

**PERIODIC REVIEW REPORT #6
FOR PERIOD OF
DECEMBER 1, 2022 THROUGH DECEMBER 1, 2023**

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 6, 2023

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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 2022), and monitoring conducted during the reporting period (September 2023), showed that chlorinated VOCs (CVOCs) in groundwater have been significantly reduced as a result of previous source removals, ISCO, and polishing phase remedial actions.
- Documentation concerning the September 2023 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 3, 2023 potentiometric groundwater contours and PCE concentrations detected in groundwater samples collected during the September 2023 groundwater monitoring event.
 - As shown on Graph I, cumulative CVOC concentrations detected in groundwater at wells MW-01, MW-02 and MW-03/MW-03A during a January 2012 pre-remediation sampling event (68,942 ug/l) have been reduced approximately 99% as of the date of the September 2023 sampling event (891 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 3, 2023. The results of this inspection are presented on a Site-Wide Inspection Form included in Attachment B. As shown, the cover system was observed to be in a condition that successfully inhibits contact with underlying Site media.

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

IV. IC/EC Compliance Report

A. IC/EC Requirements/Compliance

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

- Site Management Plan: The objective of the SMP is to manage remaining contamination above regulatory criteria in a manner that is protective of human health and the environment. The SMP is a living document and is anticipated to be revised and updated as needed to reflect the current Site conditions and applicable restrictions. The SMP includes an Institutional and Engineering Control (IC/EC) Plan and a Site Monitoring Plan. An Operation and Maintenance Plan is not included in the SMP since the Site currently does not rely on any mechanical systems to protect public health and the environment. The performance of the controls is evaluated through monitoring and periodic certification. Controls on the Site include:
 - Management of soil and historic fill material during future activities that would penetrate, encounter, or disturb remaining contamination must be conducted in accordance with provisions of the SMP, including the Excavation Work Plan (EWP);
 - A requirement for evaluation of potential soil vapor intrusion into any new enclosed structures on the Site, and designing and implementing engineering controls to address soil vapor intrusion for those structures, if deemed warranted.
 - Requirements for monitoring and repair of the cover system engineering control;
 - Requirements for inspections and notifications for various reasons associated with Site conditions, change in use, change in ownership, etc.
 - Requirements for groundwater sampling and analysis.
- Environmental Easement: Restricts use of the property; restricts use of groundwater; requires implementation of the SMP; requires evaluation of soil vapor intrusion into any new buildings, and mitigation, if needed; requires operating, maintaining and inspecting engineering controls; requires groundwater and other environmental and public health monitoring; requires monitoring, maintaining and replacing groundwater wells as necessary as set forth in the SMP; requires reporting of SMP data and information; requires implementation of the SMP for activities that would disturb the subsurface; and requires monitoring to assess the performance and effectiveness of the remedy. The performance of each control is evaluated through periodic certification.

2. Status

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

3. Corrective Measures

None Required.

4. Conclusions and Recommendations for Changes

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

B. Certification

Certification included as Attachment C.

V. Monitoring Plan Compliance Report

A. Components

- Groundwater Monitoring Plan: As identified in the 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 and September 2023.
 - On August 3, 2023, static water levels were taken from monitoring wells MW-01, MW-02, MW-03A, MW-05, MW-11, MW-15, MW-16, MW-17A, MW-18, and MW-19, and PDB samplers were deployed at monitoring wells MW-01, MW-02, MW-03A, MW-11, and MW-17A.
 - On September 6, 2023 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 3, 2023 potentiometric groundwater contours and PCE concentrations detected in groundwater samples collected during the September 2023 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 3, 2023. 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

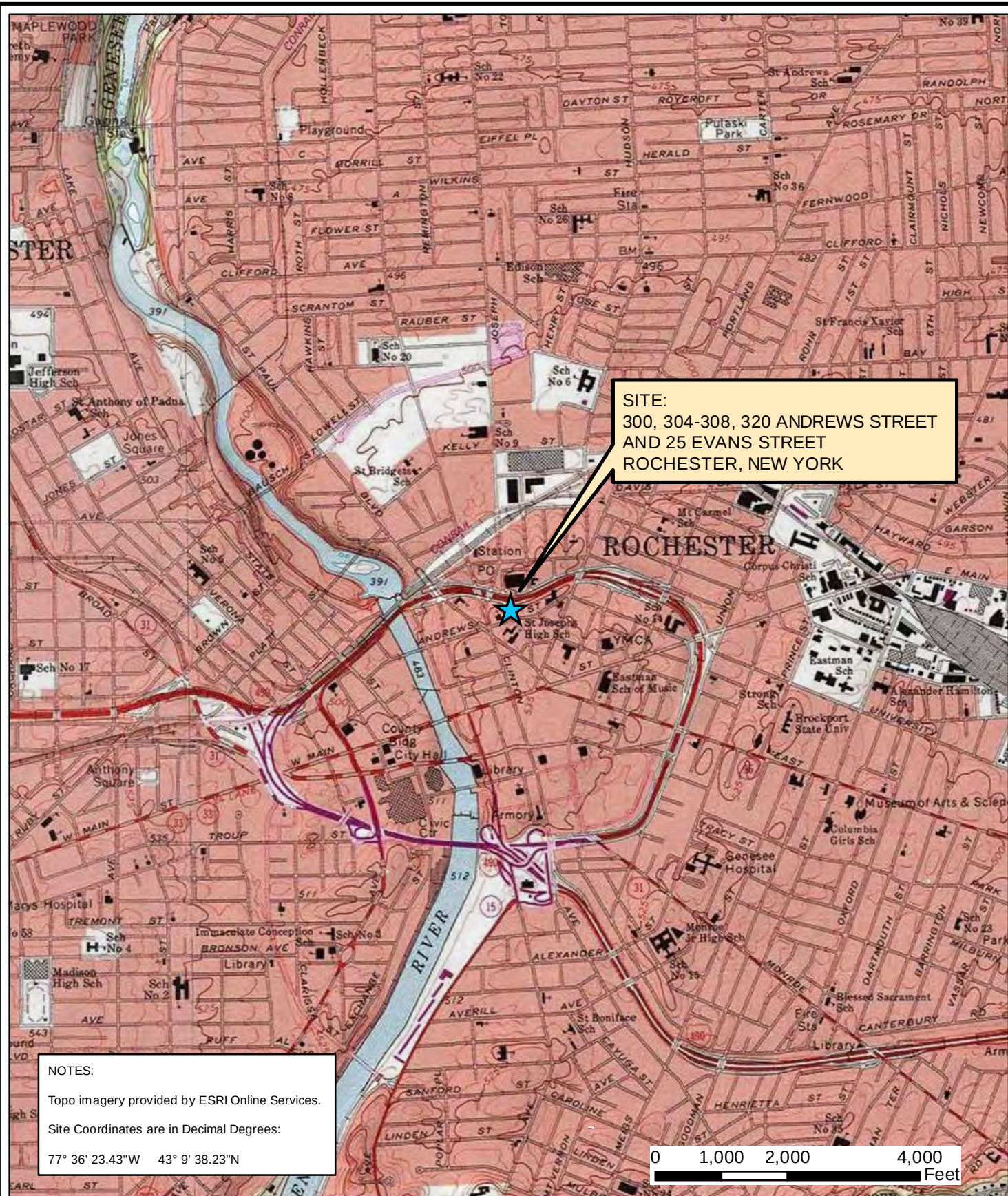
VII. Overall PRR Conclusions and Recommendations

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

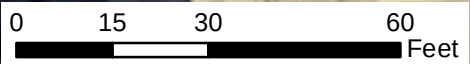
Andrews Street ERP Site



NOTES:

Base mapping data provided by City of Rochester and Monroe County. This information should be considered approximate.

Aerial imagery provided by Monroe County, dated 2018. This image may not reflect the most recent conditions on the site.



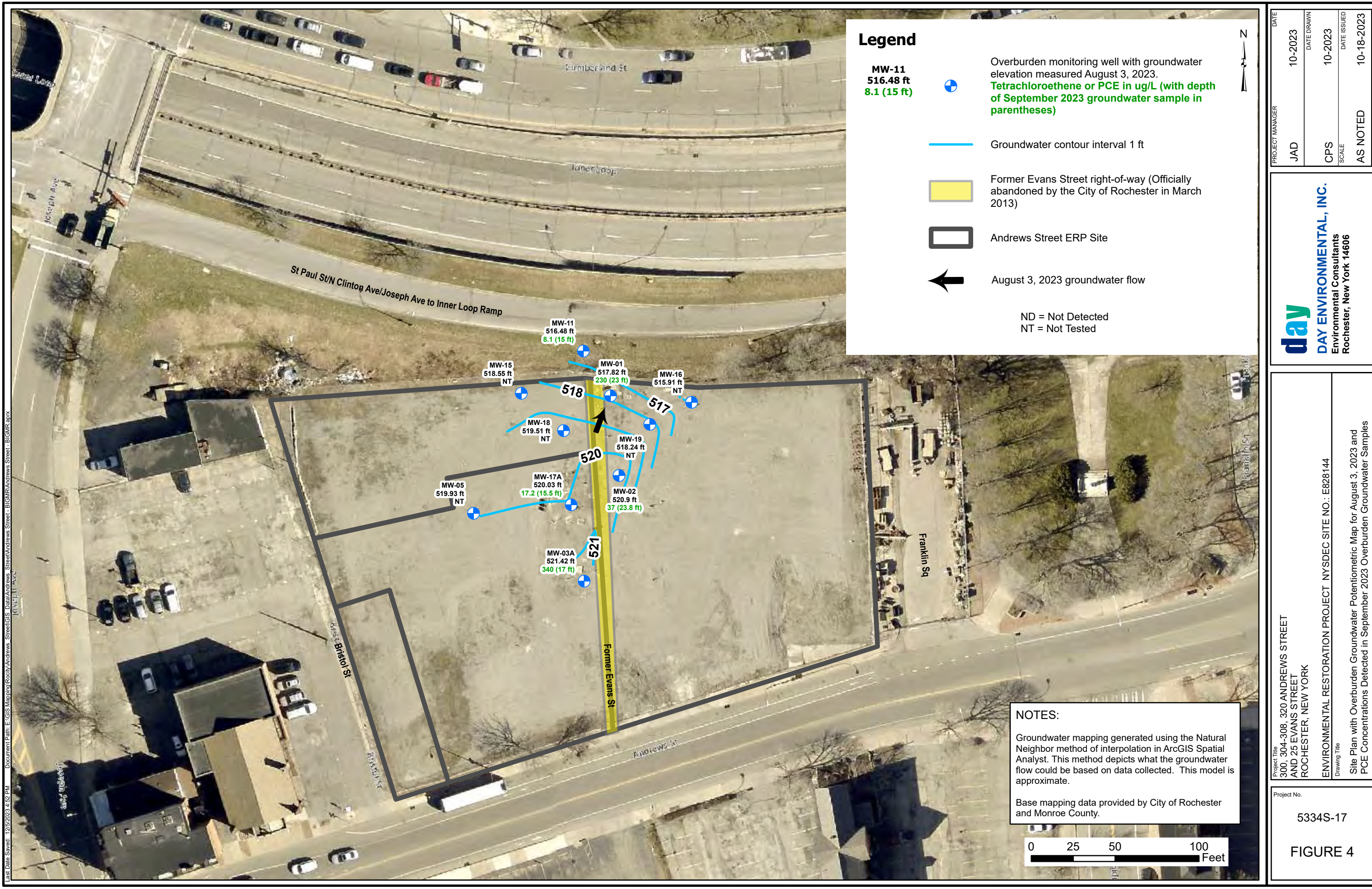
PROJECT MANAGER	DATE
JAD	01-2020
DRAWN BY	DATE DRAWN
CPS	01-2020
SCALE	DATE ISSUED
AS NOTED	01-20-2020

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	Project No. 5334S-17
Drawing Title Site Plan	ENVIRONMENTAL RESTORATION PROJECT NYSDEC SITE NO.: E828144

FIGURE 2



Legend

- MW-11**
516.48 ft
8.1 (15 ft)
- Overburden monitoring well with groundwater elevation measured August 3, 2023.
Tetrachloroethene or PCE in ug/L (with depth of September 2023 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 3, 2023 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.

PROJECT MANAGER		DATE	
JAD	10-2023	10-2023	
CPS	10-2023	10-2023	
AS NOTED	10-18-2023	10-18-2023	

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

Project Title	Drawing Title
300, 304-308, 320 ANDREWS STREET AND 25 EVANS STREET ROCHESTER, NEW YORK	Site Plan with Overburden Groundwater Potentiometric Map for August 3, 2023 and PCE Concentrations Detected in September 2023 Overburden Groundwater Samples

ENVIRONMENTAL RESTORATION PROJECT NY/SDC SITE NO.: E828144

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 #6 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
1041	MW-01	9/6/2023	9:25	Grab	23	Ground-water	No	Post-Excavation Performance Groundwater Monitoring Event	TCL VOCs and TICs
1042	MW-02	9/6/2023	9:30	Grab	23.8	Ground-water	Yes	Post-Excavation Performance Groundwater Monitoring Event	TCL VOCs and TICs
1043	MW-03A	9/6/2023	9:40	Grab	17	Ground-water	No	Post-Excavation Performance Groundwater Monitoring Event	TCL VOCs and TICs
1044	MW-11	9/6/2023	9:15	Grab	15	Ground-water	No	Post-Excavation Performance Groundwater Monitoring Event	TCL VOCs and TICs
1045	MW-17A	9/6/2023	9:45	Grab	15.5	Ground-water	No	Post-Excavation Performance Groundwater Monitoring Event	TCL VOCs and TICs
1046	FB090623	9/6/2023	9:50	Grab	NA	Water	No	QA/QC - Field Blank	TCL VOCs and TICs
1047	TB090623	9/6/2023	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 #6 Reporting Period)**

Monitoring Well ID	Ground Elevation (ft) ⁽¹⁾	TOC Elevation (ft)	8/3/2023	
			SWL (ft TOC)	Groundwater Elevation
MW-01	527.79	527.44	9.62	517.82
MW-02	528.03	529.37	10.00	520.90
MW-03A	528.41	528.43	7.01	521.42
MW-05	527.83	530.75	10.82	519.93
MW-11	520.70	520.48	4.00	516.48
MW-15	527.62	530.29	11.74	518.55
MW-16	528.31	530.81	14.90	515.91
MW-17A	527.75	529.71	9.68	520.03
MW-18	527.24	529.81	10.30	519.51
MW-19	527.82	530.31	12.07	518.24

Notes

Monitoring Wells listed are overburden groundwater monitoring wells.

Ft TOC = Feet below top of casing

Monitoring event had a 1.53' riser (repaired) added to the top of casing of MW-02.

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	1041 MW-01 9/6/23 PDB 23 ft	1042 MW-02 9/6/23 PDB 23.8 ft	1043 MW-03A 9/6/23 PDB 17.0 ft	1044 MW-11 9/6/23 PDB 15.0 ft	1045 MW-17A 9/6/23 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	6.3 JH	U
Acetone	50	10.8 JH	8.6 JH	12.8 JH	9.3 JH	10.9 JH
Methyl Acetate	NA	U	U	U	U	U
Benzene	1	U	U	U	U	U
Chloroform	7	U	U	U	U	U
Chloromethane	5	U	U	U	U	U
Bromomethane	5	U	U	U	U	U
Cis-1,2-Dichloroethene	5	23 X	25.1 X	68.4 X	0.64 J	53.6 X
Methyl tert-butyl Ether	10	U	U	U	U	U
Methylene chloride	5	U	U	U	U	U
trans-1,2-Dichloroethene	5	0.42 J	0.53 J	2.5	U	0.61 J
Tetrachloroethene	5	230 D X	37 X	340 D X	8.1 X	17.2 X
Toluene	5	U	U	U	U	U
Ethylbenzene	5	U	U	U	U	U
Xylenes (Total)	5	U	U	U	U	U
Trichloroethene	5	34.6 X	16.6 X	110 X	1.4	35 X
Trichlorofluoromethane	5	U	U	U	U	U
Vinyl Chloride	2	1.4	1.6	U	U	4.7 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		300.22	89.43	533.7	25.74	122.01
Total TICs ⁽¹⁾		U	U	U	U	U
Total VOCs and TICs ⁽¹⁾		300.22	89.43	533.7	25.74	122.01

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.

1041	Sample ID
MW-01	Sample Location
9/6/2023	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	1046 FB090623 9/6/23	1047 TB090623 9/6/23
Acetone	31	U
2-Butanone	10.5	U
4-Methyl-2-Pentanone	2.3 J	U
Total VOCs	43.8	0
Total TICs ⁽¹⁾	33.0	1.1
Total VOCs and TICs ⁽¹⁾	76.8	1.1

Notes

QA/QC = Quality Assurance/Quality Control

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

U = Not Detected

VOC = Volatile Organic Compound

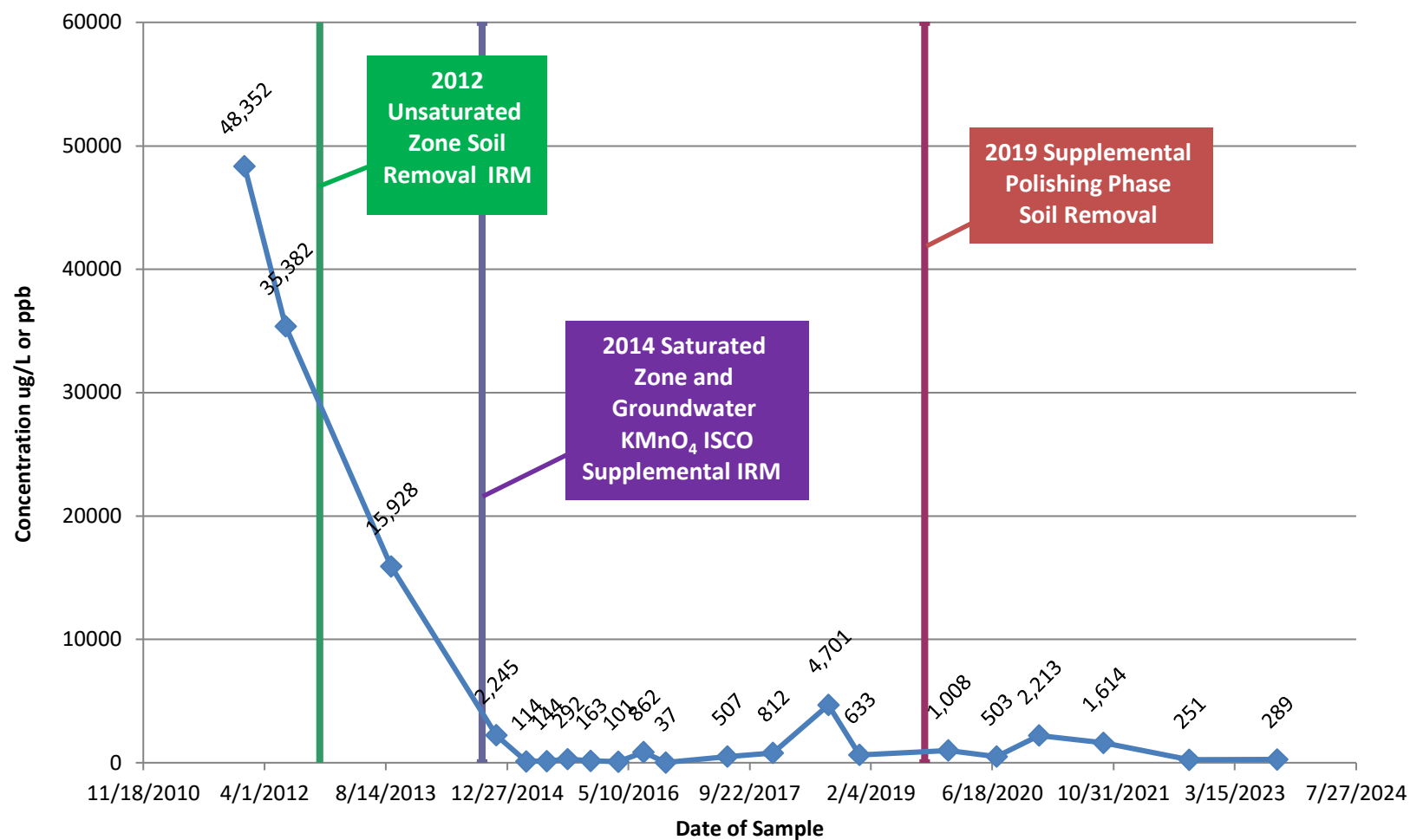
TIC = Tentatively Identified Compound

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

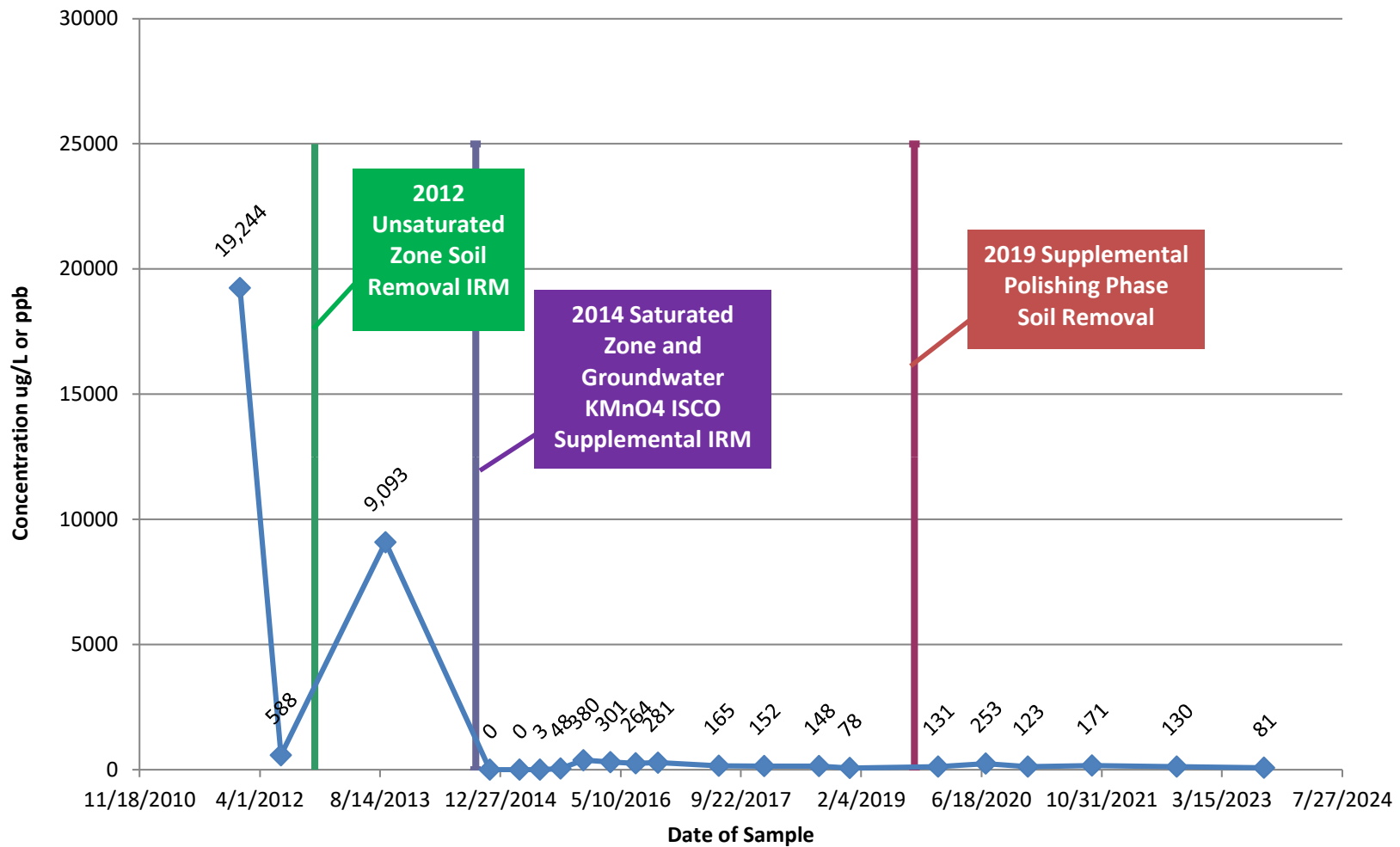
Results of DUSR incorporated on analytical laboratory data

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

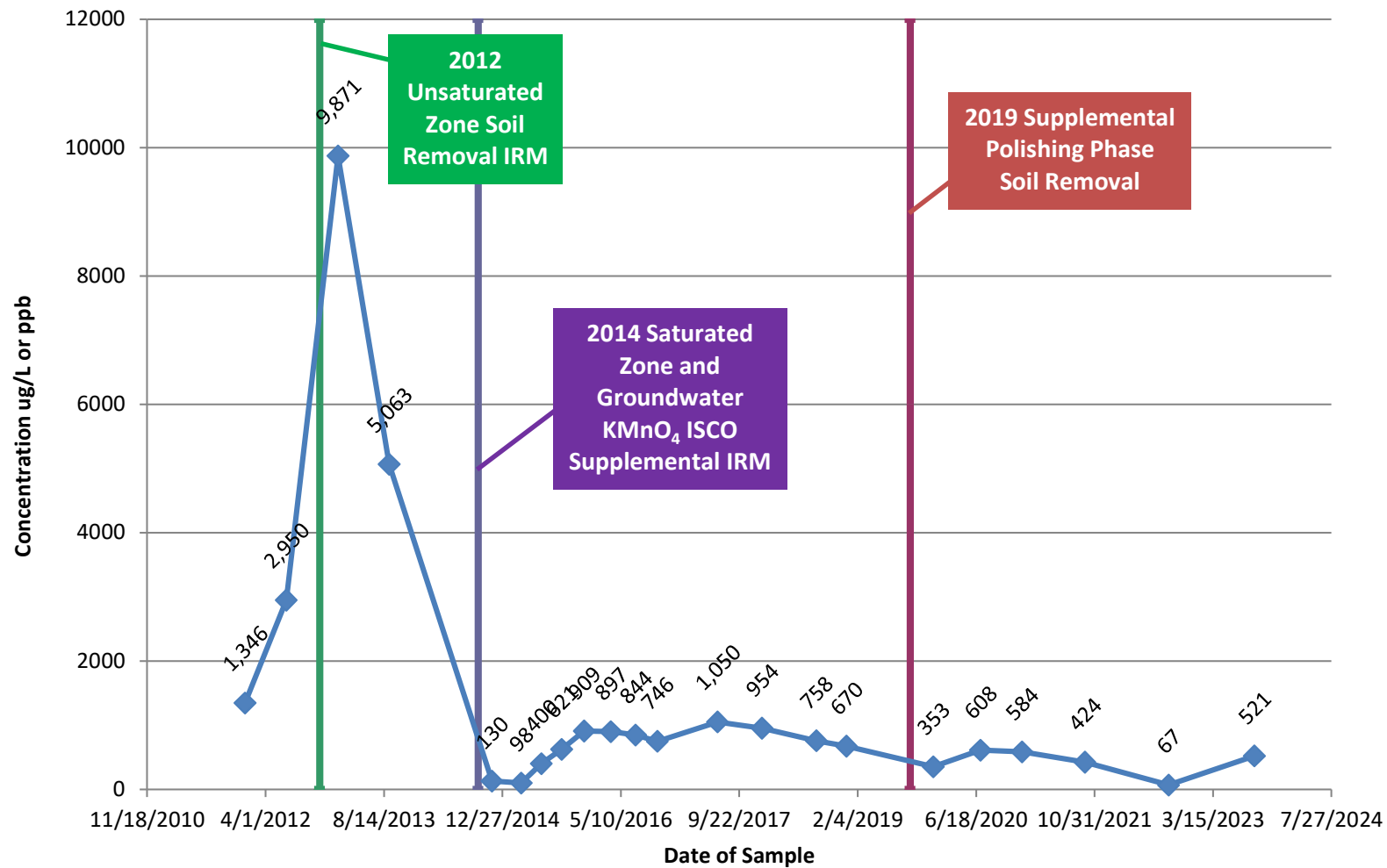
Graph A - Total PCE, TCE, DCE and VC In Groundwater at MW-01



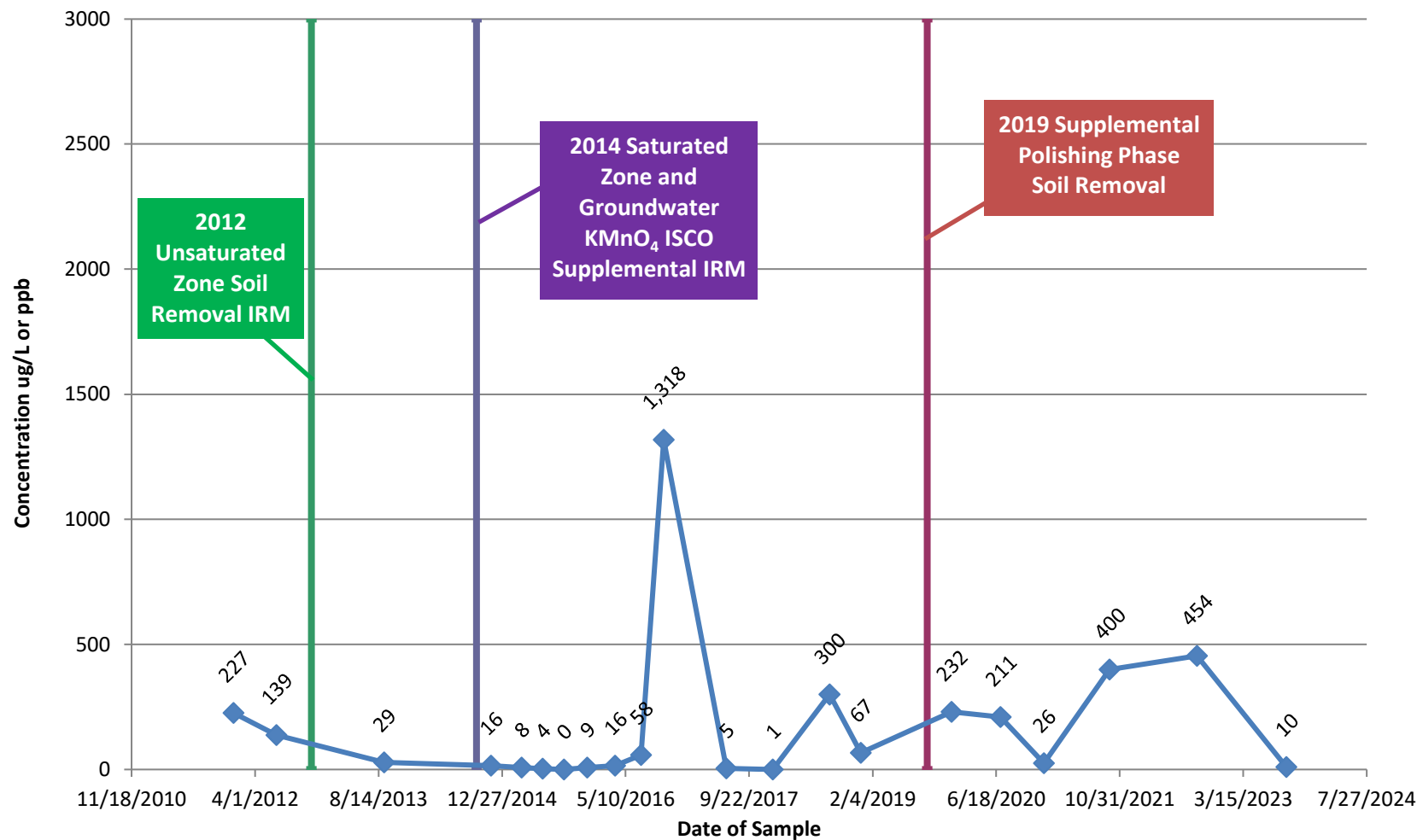
Graph B - Total PCE, TCE, DCE and VC In Groundwater at MW-02



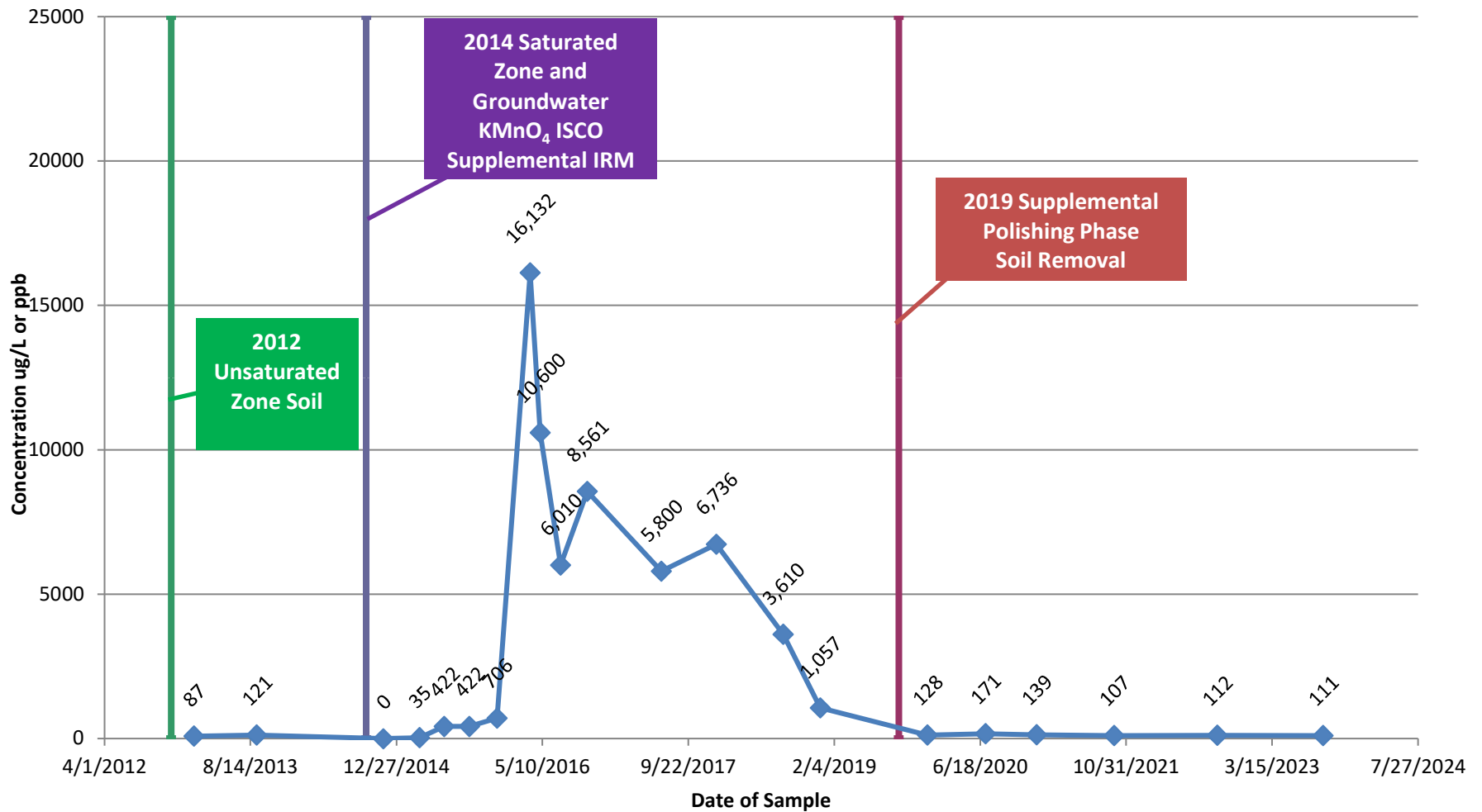
Graph C - Total PCE, TCE, DCE and VC In Groundwater at MW-03/MW-03A



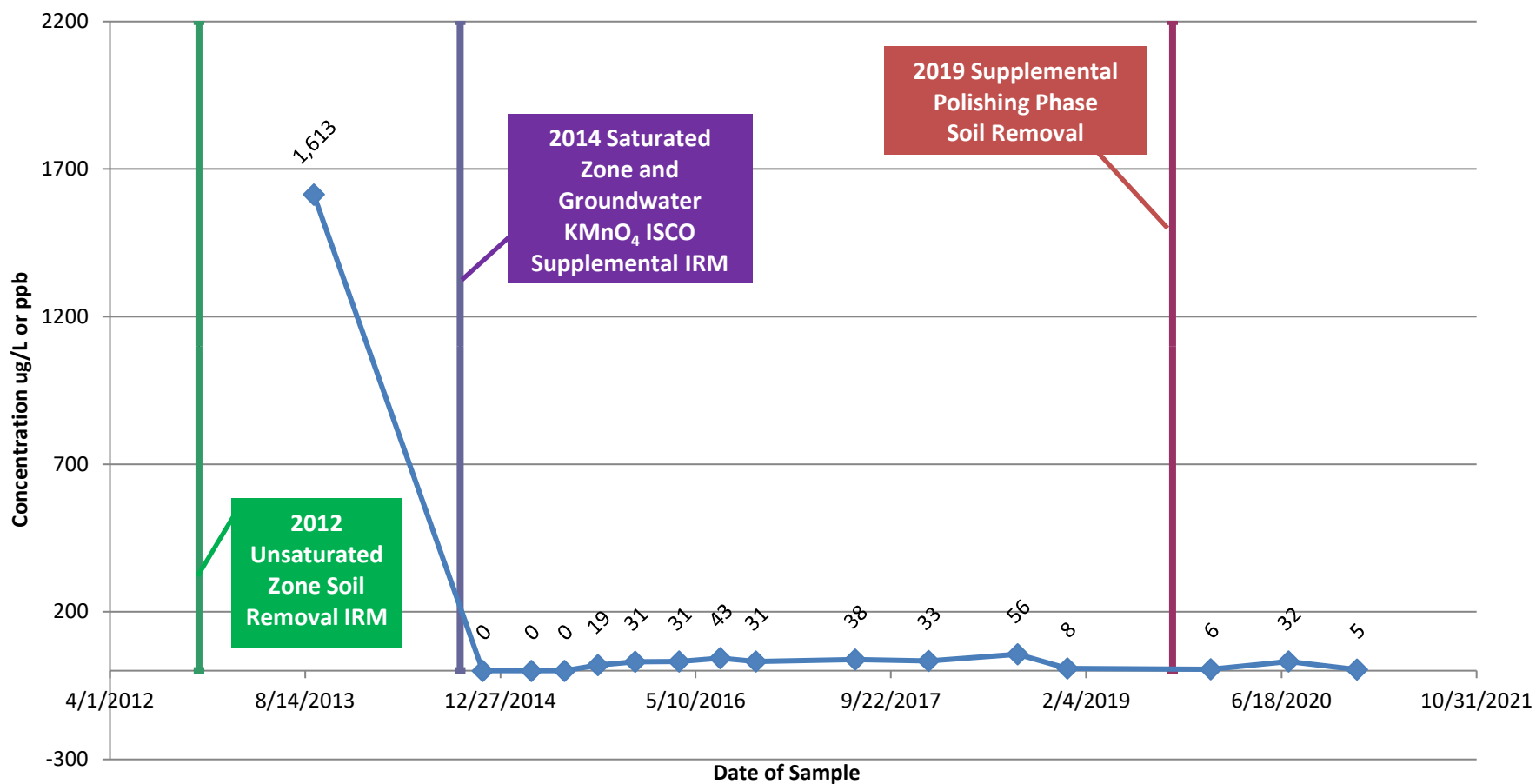
Graph D - Total PCE, TCE, DCE and VC In Groundwater at MW-11



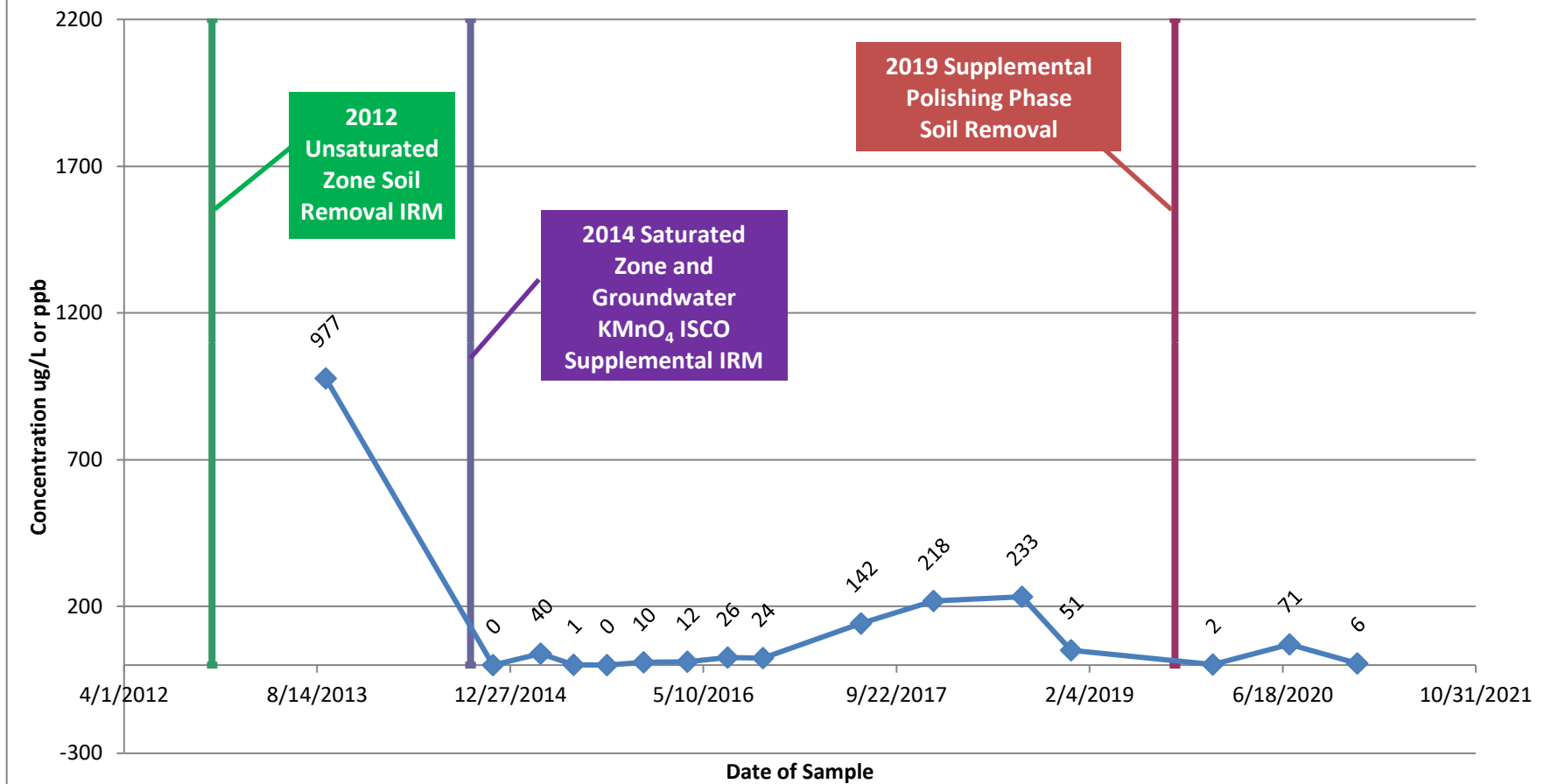
Graph E - Total PCE, TCE, DCE and VC In Groundwater at MW-17/MW-17A



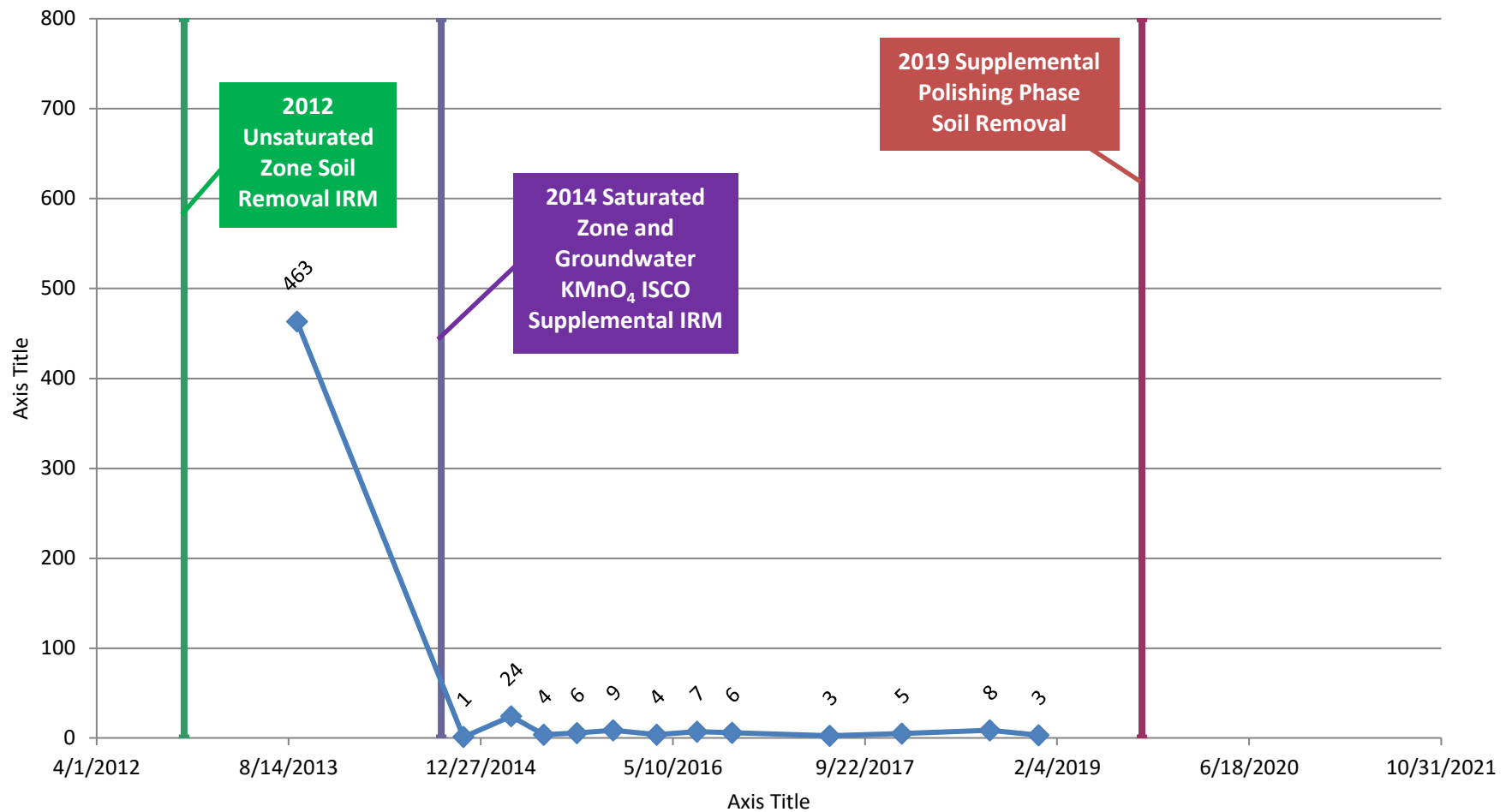
Graph F - Total PCE, TCE, DCE and VC In Groundwater at MW-18



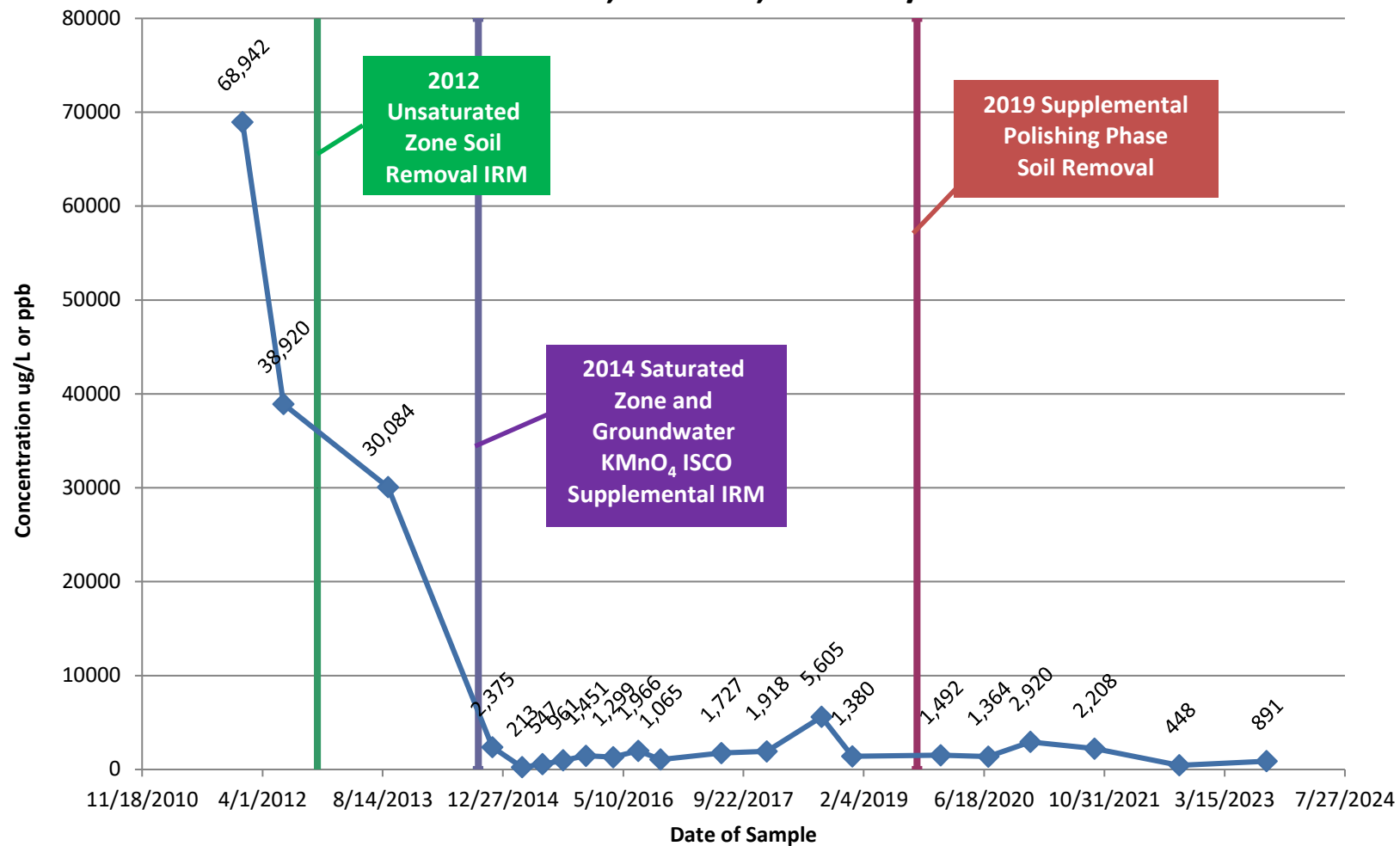
Graph G - Total PCE, TCE, DCE and VC In Groundwater at MW-19



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 : ANDREWS ST. SITE

DAY ENVIRONMENTAL, INC.

Canalside Business Center, 1563 Lyell Avenue

Rochester, NY - 14606

Phone No: 585-454-0210

ORDER ID : 04373

ATTENTION : Jeff Danzinger



Laboratory Certification ID # 20012



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Cover Page

Order ID : O4373**Project ID :** Andrews St. Site**Client :** Day Environmental, Inc.**Lab Sample Number**

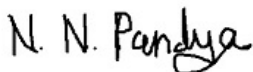
O4373-01
O4373-02
O4373-03
O4373-04
O4373-05
O4373-06
O4373-07
O4373-08
O4373-09

Client Sample Number

1041-MW-01(23)
1042-MW-02(23.8)
1043-MW-03A(17)
1044-MW-11(15)
1045-MW-17A(15.5)
1046-FB090623
1047-TB-090623
O4373-02MS
O4373-02MSD

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 :

**APPROVED**

By Nimisha Pandya QA/QC Supervisor at 10:46 am, Sep 22, 2023

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Day Environmental, Inc.

Project Name: Andrews St. Site

Project # N/A

Chemtech Project # O4373

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

9 Water samples were received on 09/08/2023.

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_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. 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 1042-MW-02(23.8)MS [1,2-Dichloroethane-d4 - 132%], 1042-MW-02(23.8)MSD [1 and 2-Dichloroethane-d4 - 134%] MS-MSD failing for surrogate but original sample is passing for that therefore no corrective action taken.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS {O4373-08MS} with File ID: VX037705.D recoveries met the requirements for all compounds except for 1,1,2-Trichloroethane[121%], 1,2-Dibromoethane[122%], 2-Butanone[138%], Acetone[141%], Bromochloromethane[133%], Chloroform[124%], cis-1,2-Dichloroethene[170%], Dibromochloromethane[122%] and Methylene Chloride[136%], due to matrix interference.

The MSD {O4373-09MSD} with File ID: VX037706.D recoveries met the acceptable requirements except for 1,1,2-Trichloroethane[121%], 1,2-Dibromoethane[121%], 2-Butanone[142%], Acetone[145%], Bromochloromethane[135%], Chloroform[123%], cis-1,2-Dichloroethene[170%], Dibromochloromethane[121%], Methylcyclohexane[62%] and Methylene Chloride[140%], due to matrix interference.

The RPD met criteria .

The Blank Spike met requirements for all samples .

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

The %RSD is greater than 20% in the Initial Calibration method (82X091123W.M) for Methylene Chloride, this compound is passing on Linear Regression.

The Continuous Calibration File ID VX037683.D met the requirements except for Bromoform failing marginally high therefore no corrective action taken.

The Tuning criteria met requirements.

Samples 1041-MW-01(23), 1043-MW-03A(17) 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.

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 10:47 am, Sep 22, 2023

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: O4373

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 %RSD is greater than 20% in the Initial Calibration method (82X091123W.M) for Methylene Chloride, this compound is passing on Linear Regression. The Continuous Calibration File ID VX037683.D met the requirements except for Bromoform failing marginally high 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 1042-MW-02(23.8)MS [1,2-Dichloroethane-d4 - 132%], 1042-MW-02(23.8)MSD [1 and 2-Dichloroethane-d4 - 134%]MS-MSD failing for surrogate but original sample is passing for that therefore no corrective action taken.		✓	

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 {O4373-08MS} with File ID: VX037705.D recoveries met the requirements for all compounds except for 1,1,2-Trichloroethane[121%], 1,2-Dibromoethane[122%], 2-Butanone[138%], Acetone[141%], Bromochloromethane[133%], Chloroform[124%], cis-1,2-Dichloroethene[170%], Dibromochloromethane[122%] and Methylene Chloride[136%], due to matrix interference.			
The MSD {O4373-09MSD} with File ID: VX037706.D recoveries met the acceptable requirements except for 1,1,2-Trichloroethane[121%], 1,2-Dibromoethane[121%], 2-Butanone[142%], Acetone[145%], Bromochloromethane[135%], Chloroform[123%], cis-1,2-Dichloroethene[170%], Dibromochloromethane[121%], Methylcyclohexane[62%] and Methylene Chloride[140%], due to matrix interference.			
The RPD met criteria .			
The Blank Spike met requirements for all samples .			
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 1041-MW-01(23), 1043-MW-03A(17) 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 10:18 am, Sep 22, 2023

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: O4373

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

1st Level QA Review Signature: SOHIL JODHANI

Date: 09/22/2023

2nd Level QA Review Signature:

N. N. Pandya

APPROVED

By Nimisha Pandya QA/QC Supervisor at 10:47 am, Sep 22, 2023



284 Sheffield Street, Mountainside, New Jersey - 07092

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

LAB CHRONICLE

OrderID: O4373
Client: Day Environmental, Inc.
Contact: Jeff Danzinger

OrderDate: 9/8/2023 2:45:00 PM
Project: Andrews St. Site
Location: VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
O4373-01	1041-MW-01(23)	Water	VOC-TCLVOA-10	8260-Low	09/06/23		09/12/23	09/08/23
O4373-01DL	1041-MW-01(23)DL	Water	VOC-TCLVOA-10	8260-Low	09/06/23		09/13/23	09/08/23
O4373-02	1042-MW-02(23.8)	Water	VOC-TCLVOA-10	8260-Low	09/06/23		09/12/23	09/08/23
O4373-03	1043-MW-03A(17)	Water	VOC-TCLVOA-10	8260-Low	09/06/23		09/12/23	09/08/23
O4373-03DL	1043-MW-03A(17)DL	Water	VOC-TCLVOA-10	8260-Low	09/06/23		09/13/23	09/08/23
O4373-04	1044-MW-11(15)	Water	VOC-TCLVOA-10	8260-Low	09/06/23		09/13/23	09/08/23
O4373-05	1045-MW-17A(15.5)	Water	VOC-TCLVOA-10	8260-Low	09/06/23		09/12/23	09/08/23
O4373-06	1046-FB090623	Water	VOC-TCLVOA-10	8260-Low	09/06/23		09/13/23	09/08/23
O4373-07	1047-TB-090623	Water	VOC-TCLVOA-10	8260-Low	09/06/23		09/12/23	09/08/23

Hit Summary Sheet SW-846

SDG No.: O4373

Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: 1041-MW-01(23)								
O4373-01	1041-MW-01(23)	Water	Vinyl Chloride	1.40		0.25	1.00	ug/L
O4373-01	1041-MW-01(23)	Water	Acetone	10.8		1.20	5.00	ug/L
O4373-01	1041-MW-01(23)	Water	trans-1,2-Dichloroethene	0.42	J	0.17	1.00	ug/L
O4373-01	1041-MW-01(23)	Water	2-Butanone	4.10	J	1.20	5.00	ug/L
O4373-01	1041-MW-01(23)	Water	cis-1,2-Dichloroethene	23.0		0.20	1.00	ug/L
O4373-01	1041-MW-01(23)	Water	Trichloroethene	34.6		0.26	1.00	ug/L
O4373-01	1041-MW-01(23)	Water	4-Methyl-2-Pentanone	2.80	J	0.74	5.00	ug/L
O4373-01	1041-MW-01(23)	Water	Tetrachloroethene	230	E	0.17	1.00	ug/L
Total Voc :				307				
Total Concentration:				307				
Client ID: 1041-MW-01(23)DL								
O4373-01DL	1041-MW-01(23)DL	Water	Acetone	31.1	JD	11.5	50.0	ug/L
O4373-01DL	1041-MW-01(23)DL	Water	cis-1,2-Dichloroethene	34.8	D	2.00	10.0	ug/L
O4373-01DL	1041-MW-01(23)DL	Water	Trichloroethene	45.7	D	2.60	10.0	ug/L
O4373-01DL	1041-MW-01(23)DL	Water	Tetrachloroethene	230	D	1.70	10.0	ug/L
Total Voc :				342				
Total Concentration:				342				
Client ID: 1042-MW-02(23.8)								
O4373-02	1042-MW-02(23.8)	Water	Vinyl Chloride	1.60		0.25	1.00	ug/L
O4373-02	1042-MW-02(23.8)	Water	Acetone	8.60		1.20	5.00	ug/L
O4373-02	1042-MW-02(23.8)	Water	trans-1,2-Dichloroethene	0.53	J	0.17	1.00	ug/L
O4373-02	1042-MW-02(23.8)	Water	2-Butanone	3.90	J	1.20	5.00	ug/L
O4373-02	1042-MW-02(23.8)	Water	cis-1,2-Dichloroethene	25.1		0.20	1.00	ug/L
O4373-02	1042-MW-02(23.8)	Water	Trichloroethene	16.6		0.26	1.00	ug/L
O4373-02	1042-MW-02(23.8)	Water	4-Methyl-2-Pentanone	4.60	J	0.74	5.00	ug/L
O4373-02	1042-MW-02(23.8)	Water	Tetrachloroethene	37.0		0.17	1.00	ug/L
Total Voc :				97.9				
Total Concentration:				97.9				
Client ID: 1043-MW-03A(17)								
O4373-03	1043-MW-03A(17)	Water	Acetone	12.8		1.20	5.00	ug/L
O4373-03	1043-MW-03A(17)	Water	trans-1,2-Dichloroethene	2.50		0.17	1.00	ug/L
O4373-03	1043-MW-03A(17)	Water	2-Butanone	3.10	J	1.20	5.00	ug/L
O4373-03	1043-MW-03A(17)	Water	cis-1,2-Dichloroethene	68.4		0.20	1.00	ug/L
O4373-03	1043-MW-03A(17)	Water	Trichloroethene	110		0.26	1.00	ug/L
O4373-03	1043-MW-03A(17)	Water	4-Methyl-2-Pentanone	2.10	J	0.74	5.00	ug/L
O4373-03	1043-MW-03A(17)	Water	Tetrachloroethene	310	E	0.17	1.00	ug/L
Total Voc :				509				
Total Concentration:				509				

Hit Summary Sheet

SW-846

SDG No.: O4373

Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: 1043-MW-03A(17)DL								
O4373-03DL	1043-MW-03A(17)	Water	Acetone	53.9	D	11.5	50.0	ug/L
O4373-03DL	1043-MW-03A(17)	Water	cis-1,2-Dichloroethene	70.9	D	2.00	10.0	ug/L
O4373-03DL	1043-MW-03A(17)	Water	Trichloroethene	120	D	2.60	10.0	ug/L
O4373-03DL	1043-MW-03A(17)	Water	Tetrachloroethene	340	D	1.70	10.0	ug/L
Total Voc :				585				
Total Concentration:				585				
Client ID: 1044-MW-11(15)								
O4373-04	1044-MW-11(15)	Water	Acetone	9.30		1.20	5.00	ug/L
O4373-04	1044-MW-11(15)	Water	2-Butanone	6.30		1.20	5.00	ug/L
O4373-04	1044-MW-11(15)	Water	cis-1,2-Dichloroethene	0.64	J	0.20	1.00	ug/L
O4373-04	1044-MW-11(15)	Water	Trichloroethene	1.40		0.26	1.00	ug/L
O4373-04	1044-MW-11(15)	Water	4-Methyl-2-Pentanone	4.80	J	0.74	5.00	ug/L
O4373-04	1044-MW-11(15)	Water	Tetrachloroethene	8.10		0.17	1.00	ug/L
Total Voc :				30.5				
Total Concentration:				30.5				
Client ID: 1045-MW-17A(15.5)								
O4373-05	1045-MW-17A(15.5)	Water	Vinyl Chloride	4.70		0.25	1.00	ug/L
O4373-05	1045-MW-17A(15.5)	Water	Acetone	10.9		1.20	5.00	ug/L
O4373-05	1045-MW-17A(15.5)	Water	trans-1,2-Dichloroethene	0.61	J	0.17	1.00	ug/L
O4373-05	1045-MW-17A(15.5)	Water	2-Butanone	4.30	J	1.20	5.00	ug/L
O4373-05	1045-MW-17A(15.5)	Water	cis-1,2-Dichloroethene	53.6		0.20	1.00	ug/L
O4373-05	1045-MW-17A(15.5)	Water	Trichloroethene	35.0		0.26	1.00	ug/L
O4373-05	1045-MW-17A(15.5)	Water	4-Methyl-2-Pentanone	4.00	J	0.74	5.00	ug/L
O4373-05	1045-MW-17A(15.5)	Water	Tetrachloroethene	17.2		0.17	1.00	ug/L
Total Voc :				130				
Total Concentration:				130				
Client ID: 1046-FB090623								
O4373-06	1046-FB090623	Water	Acetone	31.0		1.20	5.00	ug/L
O4373-06	1046-FB090623	Water	2-Butanone	10.5		1.20	5.00	ug/L
O4373-06	1046-FB090623	Water	4-Methyl-2-Pentanone	2.30	J	0.74	5.00	ug/L
Total Voc :				43.8				
O4373-06	1046-FB090623	Water	1-Hexanol, 2-ethyl-	* 10.7	J	0	0	ug/L
O4373-06	1046-FB090623	Water	Naphthalene	* 22.3	J	0.63	1.00	ug/L
Total Tics :				33.0				
Total Concentration:				76.8				
Client ID: 1047-TB-090623								
O4373-07	1047-TB-090623	Water	Naphthalene	* 1.10	J	0.63	1.00	ug/L
Total Tics :				1.10				
Total Concentration:				1.10				

Hit Summary Sheet
SW-846

SDG No.: O4373
Client: Day Environmental, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

QC SUMMARY

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Surrogate Summary

SDG No.: **O4373**

Client: **Day Environmental, Inc.**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
O4373-01	1041-MW-01(23)	1,2-Dichloroethane-d4	50	43.0	86	74	125
		Dibromofluoromethane	50	44.4	89	75	124
		Toluene-d8	50	46.2	92	86	113
		4-Bromofluorobenzene	50	41.4	83	64	133
O4373-01DL	1041-MW-01(23)DL	1,2-Dichloroethane-d4	50	42.8	86	74	125
		Dibromofluoromethane	50	45.7	91	75	124
		Toluene-d8	50	45.6	91	86	113
		4-Bromofluorobenzene	50	43.4	87	64	133
O4373-02	1042-MW-02(23.8)	1,2-Dichloroethane-d4	50	46.3	93	74	125
		Dibromofluoromethane	50	45.8	92	75	124
		Toluene-d8	50	45.9	92	86	113
		4-Bromofluorobenzene	50	42.4	85	64	133
O4373-03	1043-MW-03A(17)	1,2-Dichloroethane-d4	50	46.5	93	74	125
		Dibromofluoromethane	50	45.8	92	75	124
		Toluene-d8	50	46.0	92	86	113
		4-Bromofluorobenzene	50	42.6	85	64	133
O4373-03DL	1043-MW-03A(17)DL	1,2-Dichloroethane-d4	50	43.3	87	74	125
		Dibromofluoromethane	50	45.0	90	75	124
		Toluene-d8	50	45.4	91	86	113
		4-Bromofluorobenzene	50	43.3	87	64	133
O4373-04	1044-MW-11(15)	1,2-Dichloroethane-d4	50	43.7	87	74	125
		Dibromofluoromethane	50	45.4	91	75	124
		Toluene-d8	50	45.5	91	86	113
		4-Bromofluorobenzene	50	43.0	86	64	133
O4373-05	1045-MW-17A(15.5)	1,2-Dichloroethane-d4	50	42.8	86	74	125
		Dibromofluoromethane	50	44.6	89	75	124
		Toluene-d8	50	46.1	92	86	113
		4-Bromofluorobenzene	50	41.0	82	64	133
O4373-06	1046-FB090623	1,2-Dichloroethane-d4	50	42.4	85	74	125
		Dibromofluoromethane	50	45.0	90	75	124
		Toluene-d8	50	45.2	90	86	113
		4-Bromofluorobenzene	50	41.7	83	64	133
O4373-07	1047-TB-090623	1,2-Dichloroethane-d4	50	46.4	93	74	125
		Dibromofluoromethane	50	45.6	91	75	124
		Toluene-d8	50	46.1	92	86	113
		4-Bromofluorobenzene	50	42.5	85	64	133
O4373-08MS	1042-MW-02(23.8)MS	1,2-Dichloroethane-d4	50	66.1	132 *	74	125
		Dibromofluoromethane	50	56.0	112	75	124
		Toluene-d8	50	51.7	103	86	113
		4-Bromofluorobenzene	50	52.8	106	64	133
O4373-09MSD	1042-MW-02(23.8)MSD	1,2-Dichloroethane-d4	50	67.1	134 *	74	125
		Dibromofluoromethane	50	57.0	114	75	124
		Toluene-d8	50	51.4	103	86	113
		4-Bromofluorobenzene	50	54.1	108	64	133
VX0912WBL01	VX0912WBL01	1,2-Dichloroethane-d4	50	43.7	87	74	125
		Dibromofluoromethane	50	45.2	90	75	124
		Toluene-d8	50	45.7	91	86	113
		4-Bromofluorobenzene	50	42.5	85	64	133
VX0912WBS01	VX0912WBS01	1,2-Dichloroethane-d4	50	45.9	92	74	125
		Dibromofluoromethane	50	50.2	100	75	124
		Toluene-d8	50	53.7	107	86	113
		4-Bromofluorobenzene	50	53.9	108	64	133

Surrogate Summary

SDG No.: O4373

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VX0913WBL01	VX0913WBL01	1,2-Dichloroethane-d4	50	44.2	88	74	125
		Dibromofluoromethane	50	45.7	91	75	124
		Toluene-d8	50	45.4	91	86	113
		4-Bromofluorobenzene	50	43.5	87	64	133
VX0913WBS01	VX0913WBS01	1,2-Dichloroethane-d4	50	46.8	94	74	125
		Dibromofluoromethane	50	50.0	100	75	124
		Toluene-d8	50	49.8	100	86	113
		4-Bromofluorobenzene	50	49.8	100	64	133

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: 04373

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample	Result	Units	Rec		RPD	Limits			
		Result			Qual	RPD	Qual	Low	High	RPD	
Lab Sample ID :	O4373-08MS	Client Sample ID :	1042-MW-02(23.8)MS					Datafile :	VX037705.D		
Dichlorodifluoromethane	50	0	36.9	ug/L	74				73	120	
Chloromethane	50	0	53.2	ug/L	106				58	133	
Vinyl chloride	50	1.60	48.9	ug/L	95				69	125	
Bromomethane	50	0	46.1	ug/L	92				61	120	
Chloroethane	50	0	51.7	ug/L	103				58	134	
Trichlorofluoromethane	50	0	43.8	ug/L	88				72	124	
1,1,2-Trichlorotrifluoroethane	50	0	39.7	ug/L	79				75	117	
1,1-Dichloroethene	50	0	51.4	ug/L	103				77	118	
Acetone	250	8.60	360	ug/L	141	*			57	139	
Carbon disulfide	50	0	45.1	ug/L	90				67	118	
Methyl tert-butyl Ether	50	0	68.9	ug/L	138				60	148	
Methyl Acetate	50	0	55.6	ug/L	111				60	133	
Methylene Chloride	50	0	67.9	ug/L	136	*			79	115	
trans-1,2-Dichloroethene	50	0.53	56.1	ug/L	111				76	118	
1,1-Dichloroethane	50	0	59.9	ug/L	120				78	122	
Cyclohexane	50	0	42.9	ug/L	86				71	119	
2-Butanone	250	3.90	350	ug/L	138	*			67	137	
Carbon Tetrachloride	50	0	42.6	ug/L	85				66	133	
cis-1,2-Dichloroethene	50	25.1	110	ug/L	170	*			82	124	
Bromochloromethane	50	0	66.3	ug/L	133	*			72	130	
Chloroform	50	0	61.9	ug/L	124	*			83	119	
1,1,1-Trichloroethane	50	0	54.0	ug/L	108				83	117	
Methylcyclohexane	50	0	32.1	ug/L	64				64	120	
Benzene	50	0	51.4	ug/L	103				63	133	
1,2-Dichloroethane	50	0	54.8	ug/L	110				76	120	
Trichloroethene	50	16.6	74.5	ug/L	116				45	161	
1,2-Dichloropropane	50	0	55.1	ug/L	110				85	116	
Bromodichloromethane	50	0	56.6	ug/L	113				86	117	
4-Methyl-2-Pentanone	250	4.60	310	ug/L	122				72	137	
Toluene	50	0	50.7	ug/L	101				85	115	
t-1,3-Dichloropropene	50	0	51.4	ug/L	103				60	141	
cis-1,3-Dichloropropene	50	0	49.9	ug/L	100				77	115	
1,1,2-Trichloroethane	50	0	60.3	ug/L	121	*			87	119	
2-Hexanone	250	0	300	ug/L	120				75	131	
Dibromochloromethane	50	0	61.1	ug/L	122	*			88	118	
1,2-Dibromoethane	50	0	60.8	ug/L	122	*			85	119	
Tetrachloroethene	50	37.0	94.4	ug/L	115				48	153	
Chlorobenzene	50	0	49.6	ug/L	99				85	114	
Ethyl Benzene	50	0	45.5	ug/L	91				62	134	
m/p-Xylenes	100	0	92.7	ug/L	93				69	129	
o-Xylene	50	0	49.4	ug/L	99				75	127	
Styrene	50	0	50.9	ug/L	102				84	128	
Bromoform	50	0	60.1	ug/L	120				83	121	
Isopropylbenzene	50	0	45.9	ug/L	92				76	121	
1,1,2,2-Tetrachloroethane	50	0	57.7	ug/L	115				81	131	
1,3-Dichlorobenzene	50	0	48.1	ug/L	96				84	110	
1,4-Dichlorobenzene	50	0	48.4	ug/L	97				81	111	



Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: O4373

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample	Result	Units	Rec			RPD	Low	Limits	
		Result			Rec	Qual	RPD	Qual		High	RPD
1,2-Dichlorobenzene	50	0	53.1	ug/L	106				82	113	
1,2-Dibromo-3-Chloropropane	50	0	60.7	ug/L	121				79	137	
1,2,4-Trichlorobenzene	50	0	46.2	ug/L	92				73	120	
1,2,3-Trichlorobenzene	50	0	49.5	ug/L	99				75	119	

Matrix Spike/Matrix Spike Duplicate Summary SW-846

SDG No.: 04373

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample	Result	Units	Rec		RPD		Limits		RPD
		Result			Qual	RPD	Qual	Low	High		
Lab Sample ID :	O4373-09MSD	Client Sample ID :	1042-MW-02(23.8)MSD					Datafile :	VX037706.D		
Dichlorodifluoromethane	50	0	37.2	ug/L	74		1		73	120	20
Chloromethane	50	0	53.5	ug/L	107		1		58	133	20
Vinyl chloride	50	1.60	48.6	ug/L	94		1		69	125	20
Bromomethane	50	0	45.5	ug/L	91		1		61	120	20
Chloroethane	50	0	52.1	ug/L	104		1		58	134	20
Trichlorofluoromethane	50	0	42.4	ug/L	85		3		72	124	20
1,1,2-Trichlorotrifluoroethane	50	0	39.2	ug/L	78		1		75	117	20
1,1-Dichloroethene	50	0	50.1	ug/L	100		3		77	118	20
Acetone	250	8.60	370	ug/L	145	*	3		57	139	20
Carbon disulfide	50	0	44.8	ug/L	90		1		67	118	20
Methyl tert-butyl Ether	50	0	69.3	ug/L	139		1		60	148	20
Methyl Acetate	50	0	54.9	ug/L	110		1		60	133	20
Methylene Chloride	50	0	69.8	ug/L	140	*	3		79	115	20
trans-1,2-Dichloroethene	50	0.53	55.5	ug/L	110		1		76	118	20
1,1-Dichloroethane	50	0	59.1	ug/L	118		1		78	122	20
Cyclohexane	50	0	41.8	ug/L	84		3		71	119	20
2-Butanone	250	3.90	360	ug/L	142	*	3		67	137	20
Carbon Tetrachloride	50	0	41.2	ug/L	82		3		66	133	20
cis-1,2-Dichloroethene	50	25.1	110	ug/L	170	*	0		82	124	20
Bromochloromethane	50	0	67.7	ug/L	135	*	2		72	130	20
Chloroform	50	0	61.6	ug/L	123	*	0		83	119	20
1,1,1-Trichloroethane	50	0	53.1	ug/L	106		2		83	117	20
Methylcyclohexane	50	0	30.8	ug/L	62	*	4		64	120	20
Benzene	50	0	50.8	ug/L	102		1		63	133	20
1,2-Dichloroethane	50	0	54.7	ug/L	109		0		76	120	20
Trichloroethene	50	16.6	72.8	ug/L	112		4		45	161	20
1,2-Dichloropropane	50	0	54.3	ug/L	109		1		85	116	20
Bromodichloromethane	50	0	57.1	ug/L	114		1		86	117	20
4-Methyl-2-Pentanone	250	4.60	310	ug/L	122		0		72	137	20
Toluene	50	0	49.5	ug/L	99		2		85	115	20
t-1,3-Dichloropropene	50	0	51.0	ug/L	102		1		60	141	20
cis-1,3-Dichloropropene	50	0	49.4	ug/L	99		1		77	115	20
1,1,2-Trichloroethane	50	0	60.7	ug/L	121	*	1		87	119	20
2-Hexanone	250	0	310	ug/L	124		3		75	131	20
Dibromochloromethane	50	0	60.6	ug/L	121	*	1		88	118	20
1,2-Dibromoethane	50	0	60.6	ug/L	121	*	0		85	119	20
Tetrachloroethene	50	37.0	92.3	ug/L	111		4		48	153	20
Chlorobenzene	50	0	48.7	ug/L	97		2		85	114	20
Ethyl Benzene	50	0	44.7	ug/L	89		2		62	134	20
m/p-Xylenes	100	0	91.0	ug/L	91		2		69	129	20
o-Xylene	50	0	49.1	ug/L	98		1		75	127	20
Styrene	50	0	51.2	ug/L	102		1		84	128	20
Bromoform	50	0	59.9	ug/L	120		0		83	121	20
Isopropylbenzene	50	0	44.1	ug/L	88		4		76	121	20
1,1,2,2-Tetrachloroethane	50	0	57.4	ug/L	115		1		81	131	20
1,3-Dichlorobenzene	50	0	48.2	ug/L	96		0		84	110	20
1,4-Dichlorobenzene	50	0	47.4	ug/L	95		2		81	111	20



Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: O4373

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec		RPD		Limits		RPD
					Rec	Qual	RPD	Qual	Low	High	
1,2-Dichlorobenzene	50	0	52.7	ug/L	105		1		82	113	20
1,2-Dibromo-3-Chloropropane	50	0	59.7	ug/L	119		2		79	137	20
1,2,4-Trichlorobenzene	50	0	45.9	ug/L	92		1		73	120	20
1,2,3-Trichlorobenzene	50	0	49.6	ug/L	99		0		75	119	20

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

SDG No.: O4373

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Datafile : VX037659.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX0912WBS01	Dichlorodifluoromethane	20	19.3	ug/L	97			69	116	
	Chloromethane	20	17.8	ug/L	89			65	116	
	Vinyl chloride	20	18.4	ug/L	92			65	117	
	Bromomethane	20	18.5	ug/L	93			58	125	
	Chloroethane	20	19.1	ug/L	96			56	128	
	Trichlorofluoromethane	20	17.9	ug/L	90			73	115	
	1,1,2-Trichlorotrifluoroethane	20	18.6	ug/L	93			80	112	
	1,1-Dichloroethene	20	18.1	ug/L	91			74	110	
	Acetone	100	88.0	ug/L	88			60	125	
	Carbon disulfide	20	17.0	ug/L	85			64	112	
	Methyl tert-butyl Ether	20	17.4	ug/L	87			78	114	
	Methyl Acetate	20	16.5	ug/L	83			67	125	
	Methylene Chloride	20	18.3	ug/L	92			72	114	
	trans-1,2-Dichloroethene	20	17.6	ug/L	88			75	108	
	1,1-Dichloroethane	20	18.1	ug/L	91			78	112	
	Cyclohexane	20	19.0	ug/L	95			75	110	
	2-Butanone	100	83.1	ug/L	83			65	122	
	Carbon Tetrachloride	20	19.1	ug/L	96			77	113	
	cis-1,2-Dichloroethene	20	17.7	ug/L	89			77	110	
	Bromochloromethane	20	18.2	ug/L	91			70	124	
	Chloroform	20	18.0	ug/L	90			79	113	
	1,1,1-Trichloroethane	20	18.3	ug/L	92			80	108	
	Methylcyclohexane	20	20.0	ug/L	100			72	115	
	Benzene	20	19.1	ug/L	96			82	109	
	1,2-Dichloroethane	20	18.2	ug/L	91			80	115	
	Trichloroethene	20	19.3	ug/L	97			77	113	
	1,2-Dichloropropane	20	19.2	ug/L	96			83	111	
	Bromodichloromethane	20	18.8	ug/L	94			83	110	
	4-Methyl-2-Pentanone	100	91.8	ug/L	92			74	118	
	Toluene	20	20.3	ug/L	102			82	110	
	t-1,3-Dichloropropene	20	19.5	ug/L	98			79	110	
	cis-1,3-Dichloropropene	20	19.7	ug/L	99			82	110	
	1,1,2-Trichloroethane	20	18.7	ug/L	94			83	112	
	2-Hexanone	100	94.3	ug/L	94			73	117	
	Dibromochloromethane	20	19.0	ug/L	95			82	110	
	1,2-Dibromoethane	20	18.5	ug/L	93			81	110	
	Tetrachloroethene	20	19.6	ug/L	98			67	123	
	Chlorobenzene	20	19.4	ug/L	97			82	109	
	Ethyl Benzene	20	20.0	ug/L	100			83	109	
	m/p-Xylenes	40	40.2	ug/L	101			82	110	
	o-Xylene	20	20.2	ug/L	101			83	109	
	Styrene	20	19.8	ug/L	99			80	111	
	Bromoform	20	18.1	ug/L	91			79	109	
	Isopropylbenzene	20	20.3	ug/L	102			83	112	
	1,1,2,2-Tetrachloroethane	20	18.0	ug/L	90			76	118	
	1,3-Dichlorobenzene	20	19.7	ug/L	99			82	108	
	1,4-Dichlorobenzene	20	19.4	ug/L	97			82	107	
	1,2-Dichlorobenzene	20	19.4	ug/L	97			82	109	
	1,2-Dibromo-3-Chloropropane	20	17.3	ug/L	86			68	112	

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

SDG No.: O4373
Client: Day Environmental, Inc.
Analytical Method: SW8260-Low

Datafile : VX037659.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX0912WBS01	1,2,4-Trichlorobenzene	20	20.0	ug/L	100			55	133	
	1,2,3-Trichlorobenzene	20	19.5	ug/L	98			59	129	

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

SDG No.: O4373

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Datafile : VX037686.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX0913WBS01	Dichlorodifluoromethane	20	18.7	ug/L	94			69	116	
	Chloromethane	20	18.4	ug/L	92			65	116	
	Vinyl chloride	20	18.2	ug/L	91			65	117	
	Bromomethane	20	17.4	ug/L	87			58	125	
	Chloroethane	20	18.8	ug/L	94			56	128	
	Trichlorofluoromethane	20	18.3	ug/L	92			73	115	
	1,1,2-Trichlorotrifluoroethane	20	19.4	ug/L	97			80	112	
	1,1-Dichloroethene	20	18.9	ug/L	95			74	110	
	Acetone	100	98.8	ug/L	99			60	125	
	Carbon disulfide	20	17.1	ug/L	86			64	112	
	Methyl tert-butyl Ether	20	18.4	ug/L	92			78	114	
	Methyl Acetate	20	18.5	ug/L	93			67	125	
	Methylene Chloride	20	19.4	ug/L	97			72	114	
	trans-1,2-Dichloroethene	20	18.8	ug/L	94			75	108	
	1,1-Dichloroethane	20	18.6	ug/L	93			78	112	
	Cyclohexane	20	18.3	ug/L	92			75	110	
	2-Butanone	100	92.6	ug/L	93			65	122	
	Carbon Tetrachloride	20	19.3	ug/L	97			77	113	
	cis-1,2-Dichloroethene	20	19.1	ug/L	96			77	110	
	Bromochloromethane	20	17.8	ug/L	89			70	124	
	Chloroform	20	18.8	ug/L	94			79	113	
	1,1,1-Trichloroethane	20	18.9	ug/L	95			80	108	
	Methylcyclohexane	20	19.5	ug/L	98			72	115	
	Benzene	20	19.4	ug/L	97			82	109	
	1,2-Dichloroethane	20	18.5	ug/L	93			80	115	
	Trichloroethene	20	19.7	ug/L	99			77	113	
	1,2-Dichloropropane	20	19.4	ug/L	97			83	111	
	Bromodichloromethane	20	19.6	ug/L	98			83	110	
	4-Methyl-2-Pentanone	100	98.6	ug/L	99			74	118	
	Toluene	20	19.3	ug/L	97			82	110	
	t-1,3-Dichloropropene	20	19.2	ug/L	96			79	110	
	cis-1,3-Dichloropropene	20	19.7	ug/L	99			82	110	
	1,1,2-Trichloroethane	20	20.0	ug/L	100			83	112	
	2-Hexanone	100	99.8	ug/L	100			73	117	
	Dibromochloromethane	20	19.2	ug/L	96			82	110	
	1,2-Dibromoethane	20	19.4	ug/L	97			81	110	
	Tetrachloroethene	20	19.7	ug/L	99			67	123	
	Chlorobenzene	20	19.2	ug/L	96			82	109	
	Ethyl Benzene	20	19.5	ug/L	98			83	109	
	m/p-Xylenes	40	39.1	ug/L	98			82	110	
	o-Xylene	20	19.4	ug/L	97			83	109	
	Styrene	20	19.6	ug/L	98			80	111	
	Bromoform	20	19.5	ug/L	98			79	109	
	Isopropylbenzene	20	20.2	ug/L	101			83	112	
	1,1,2,2-Tetrachloroethane	20	19.8	ug/L	99			76	118	
	1,3-Dichlorobenzene	20	19.7	ug/L	99			82	108	
	1,4-Dichlorobenzene	20	19.2	ug/L	96			82	107	
	1,2-Dichlorobenzene	20	20.1	ug/L	101			82	109	
	1,2-Dibromo-3-Chloropropane	20	19.2	ug/L	96			68	112	



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

SDG No.: O4373
Client: Day Environmental, Inc.
Analytical Method: SW8260-Low

Datafile : VX037686.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VX0913WBS01	1,2,4-Trichlorobenzene	20	19.5	ug/L	98			55	133	
	1,2,3-Trichlorobenzene	20	19.6	ug/L	98			59	129	



VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0912WBL01

Lab Name: CHEMTECH

Contract: DAYE01

Lab Code: CHEM Case No.: O4373

SAS No.: O4373 SDG NO.: O4373

Lab File ID: VX037658.D

Lab Sample ID: VX0912WBL01

Date Analyzed: 09/12/2023

Time Analyzed: 10:46

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0912WBS01	VX0912WBS01	VX037659.D	09/12/2023
1047-TB-090623	O4373-07	VX037667.D	09/12/2023
1042-MW-02 (23.8)	O4373-02	VX037668.D	09/12/2023
1043-MW-03A (17)	O4373-03	VX037669.D	09/12/2023
1041-MW-01 (23)	O4373-01	VX037672.D	09/12/2023
1045-MW-17A (15.5)	O4373-05	VX037677.D	09/12/2023

COMMENTS:



VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0913WBL01

Lab Name: CHEMTECH

Contract: DAYE01

Lab Code: CHEM Case No.: O4373

SAS No.: O4373 SDG NO.: O4373

Lab File ID: VX037685.D

Lab Sample ID: VX0913WBL01

Date Analyzed: 09/13/2023

Time Analyzed: 11:12

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0913WBS01	VX0913WBS01	VX037686.D	09/13/2023
1041-MW-01 (23) DL	O4373-01DL	VX037688.D	09/13/2023
1043-MW-03A (17) DL	O4373-03DL	VX037689.D	09/13/2023
1044-MW-11 (15)	O4373-04	VX037690.D	09/13/2023
1046-FB090623	O4373-06	VX037692.D	09/13/2023
1042-MW-02 (23.8) MS	O4373-08MS	VX037705.D	09/13/2023
1042-MW-02 (23.8) MSD	O4373-09MSD	VX037706.D	09/13/2023

COMMENTS:



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**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name:	<u>CHEMTECH</u>	Contract:	<u>DAYE01</u>
Lab Code:	<u>CHEM</u>	Case No.:	<u>04373</u>
Lab File ID:	<u>VX037642.D</u>	SAS No.:	<u>04373</u>
Instrument ID:	<u>MSVOA_X</u>	SDG NO.:	<u>04373</u>
GC Column:	<u>DB-624UI</u>	BFB Injection Date:	<u>09/11/2023</u>
ID:	<u>0.18</u>	BFB Injection Time:	<u>15:14</u>
(mm)		Heated Purge:	<u>Y/N</u>
			<u>N</u>

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.1
75	30.0 - 60.0% of mass 95	57.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	79.4
175	5.0 - 9.0% of mass 174	5.9 (7.5) 1
176	95.0 - 101.0% of mass 174	77.9 (98.1) 1
177	5.0 - 9.0% of mass 176	5.1 (6.5) 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
VSTDICC020	VSTDICC020	VX037647.D	09/11/2023	17:48
VSTDICCC050	VSTDICCC050	VX037648.D	09/11/2023	18:13
VSTDICC100	VSTDICC100	VX037649.D	09/11/2023	18:37
VSTDICC150	VSTDICC150	VX037650.D	09/11/2023	19:01
VSTDICC005	VSTDICC005	VX037652.D	09/11/2023	20:14
VSTDICC001	VSTDICC001	VX037653.D	09/11/2023	20:38



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**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name:	<u>CHEMTECH</u>	Contract:	<u>DAYE01</u>
Lab Code:	<u>CHEM</u>	Case No.:	<u>04373</u>
Lab File ID:	<u>VX037655.D</u>	SAS No.:	<u>04373</u>
Instrument ID:	<u>MSVOA_X</u>	SDG NO.:	<u>04373</u>
GC Column:	<u>DB-624UI</u>	BFB Injection Date:	<u>09/12/2023</u>
ID:	<u>0.18</u>	BFB Injection Time:	<u>08:41</u>
(mm)		Heated Purge:	<u>Y/N</u>
			<u>N</u>

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.6
75	30.0 - 60.0% of mass 95	54.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	73.9
175	5.0 - 9.0% of mass 174	5.7 (7.7) 1
176	95.0 - 101.0% of mass 174	71.2 (96.4) 1
177	5.0 - 9.0% of mass 176	4.5 (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	VX037656.D	09/12/2023	09:54
VX0912WBL01	VX0912WBL01	VX037658.D	09/12/2023	10:46
VX0912WBS01	VX0912WBS01	VX037659.D	09/12/2023	11:18
1047-TB-090623	O4373-07	VX037667.D	09/12/2023	14:35
1042-MW-02 (23.8)	O4373-02	VX037668.D	09/12/2023	15:00
1043-MW-03A (17)	O4373-03	VX037669.D	09/12/2023	15:24
1041-MW-01 (23)	O4373-01	VX037672.D	09/12/2023	16:37
1045-MW-17A (15.5)	O4373-05	VX037677.D	09/12/2023	18:39



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**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name:	CHEMTECH		Contract:	DAYE01	
Lab Code:	CHEM	Case No.:	O4373	SAS No.:	O4373
				SDG NO.:	O4373
Lab File ID:	VX037682.D		BFB Injection Date:	09/13/2023	
Instrument ID:	MSVOA_X		BFB Injection Time:	08:35	
GC Column:	DB-624UI	ID:	0.18	(mm)	
				Heated Purge:	Y/N
					N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	53.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	76.7
175	5.0 - 9.0% of mass 174	5.9 (7.7) 1
176	95.0 - 101.0% of mass 174	72.9 (95) 1
177	5.0 - 9.0% of mass 176	4.8 (6.6) 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	VX037683.D	09/13/2023	10:19
VX0913WBL01	VX0913WBL01	VX037685.D	09/13/2023	11:12
VX0913WBS01	VX0913WBS01	VX037686.D	09/13/2023	11:36
1041-MW-01 (23) DL	O4373-01DL	VX037688.D	09/13/2023	12:27
1043-MW-03A (17) DL	O4373-03DL	VX037689.D	09/13/2023	12:51
1044-MW-11 (15)	O4373-04	VX037690.D	09/13/2023	13:16
1046-FB090623	O4373-06	VX037692.D	09/13/2023	14:04
1042-MW-02 (23.8) MS	O4373-08MS	VX037705.D	09/13/2023	19:21
1042-MW-02 (23.8) MSD	O4373-09MSD	VX037706.D	09/13/2023	19:46

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: O4373 SAS No.: O4373 SDG NO.: O4373
 Lab File ID: VX037656.D Date Analyzed: 09/12/2023
 Instrument ID: MSVOA_X Time Analyzed: 09:54
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	205524	5.55	349175	6.76	334489	10.06
UPPER LIMIT	411048	6.05	698350	7.257	668978	10.555
LOWER LIMIT	102762	5.05	174588	6.257	167245	9.555
EPA SAMPLE NO.						
1041-MW-01 (23)	202317	5.56	349546	6.76	313499	10.06
1042-MW-02 (23.8)	214733	5.55	381012	6.76	345749	10.06
1043-MW-03A (17)	210624	5.55	375968	6.76	348424	10.06
1045-MW-17A (15.5)	209064	5.56	360564	6.76	327423	10.06
1047-TB-090623	186256	5.55	336924	6.76	308251	10.06
VX0912WBL01	221506	5.55	387603	6.76	352831	10.06
VX0912WBS01	207849	5.55	353263	6.76	345854	10.06

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.: O4373 SAS No.: O4373 SDG NO.: O4373
 Lab File ID: VX037656.D Date Analyzed: 09/12/2023
 Instrument ID: MSVOA_X Time Analyzed: 09:54
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	179746	12.024				
UPPER LIMIT	359492	12.524				
LOWER LIMIT	89873	11.524				
EPA SAMPLE NO.						
1041-MW-01 (23)	130163	12.02				
1042-MW-02 (23.8)	141321	12.02				
1043-MW-03A (17)	139132	12.02				
1045-MW-17A (15.5)	129709	12.02				
1047-TB-090623	123845	12.02				
VX0912WBL01	149310	12.02				
VX0912WBS01	175090	12.02				

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.: O4373 SAS No.: O4373 SDG NO.: O4373
 Lab File ID: VX037683.D Date Analyzed: 09/13/2023
 Instrument ID: MSVOA_X Time Analyzed: 10:19
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	219077	5.55	364258	6.76	349047	10.06
UPPER LIMIT	438154	6.05	728516	7.263	698094	10.555
LOWER LIMIT	109539	5.05	182129	6.263	174524	9.555
EPA SAMPLE NO.						
1041-MW-01 (23) DL	221123	5.55	384248	6.76	358433	10.06
1043-MW-03A (17) DL	231544	5.55	406052	6.76	374905	10.06
1044-MW-11 (15)	218374	5.55	380680	6.76	350792	10.06
1046-FB090623	227637	5.56	391228	6.76	349504	10.06
1042-MW-02 (23.8) MS	131443	5.56	276377	6.76	280675	10.06
1042-MW-02 (23.8) MSD	124304	5.55	263198	6.76	269626	10.06
VX0913WBL01	213382	5.55	373412	6.76	345672	10.06
VX0913WBS01	205084	5.56	351519	6.76	336430	10.06

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.: O4373 SAS No.: O4373 SDG NO.: O4373
 Lab File ID: VX037683.D Date Analyzed: 09/13/2023
 Instrument ID: MSVOA_X Time Analyzed: 10:19
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	187103	12.024				
UPPER LIMIT	374206	12.524				
LOWER LIMIT	93551.5	11.524				
EPA SAMPLE NO.						
1041-MW-01 (23) DL	150148	12.02				
1043-MW-03A (17) DL	160981	12.02				
1044-MW-11 (15)	147548	12.02				
1046-FB090623	149380	12.02				
1042-MW-02 (23.8) MS	134397	12.02				
1042-MW-02 (23.8) MSD	131762	12.02				
VX0913WBL01	147339	12.02				
VX0913WBS01	165187	12.02				

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
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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1041-MW-01(23)	SDG No.:	O4373
Lab Sample ID:	O4373-01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037672.D	1		09/12/23 16:37	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.40		0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	10.8		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.42	J	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	4.10	J	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	23.0		0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	34.6		0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.80	J	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1041-MW-01(23)	SDG No.:	O4373
Lab Sample ID:	O4373-01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037672.D	1		09/12/23 16:37	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	230	E	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	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	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	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	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.0		74 - 125	86%	SPK: 50
1868-53-7	Dibromofluoromethane	44.4		75 - 124	89%	SPK: 50
2037-26-5	Toluene-d8	46.2		86 - 113	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.4		64 - 133	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	202000	5.556			
540-36-3	1,4-Difluorobenzene	350000	6.763			
3114-55-4	Chlorobenzene-d5	313000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	130000	12.024			



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1041-MW-01(23)	SDG No.:	O4373
Lab Sample ID:	O4373-01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037672.D	1		09/12/23 16:37	VX091223

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_X\Data\VX091223\
 Data File : VX037672.D
 Acq On : 12 Sep 2023 16:37
 Operator : JC/MD
 Sample : 04373-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1041-MW-01(23)

Quant Time: Sep 13 01:46:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

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

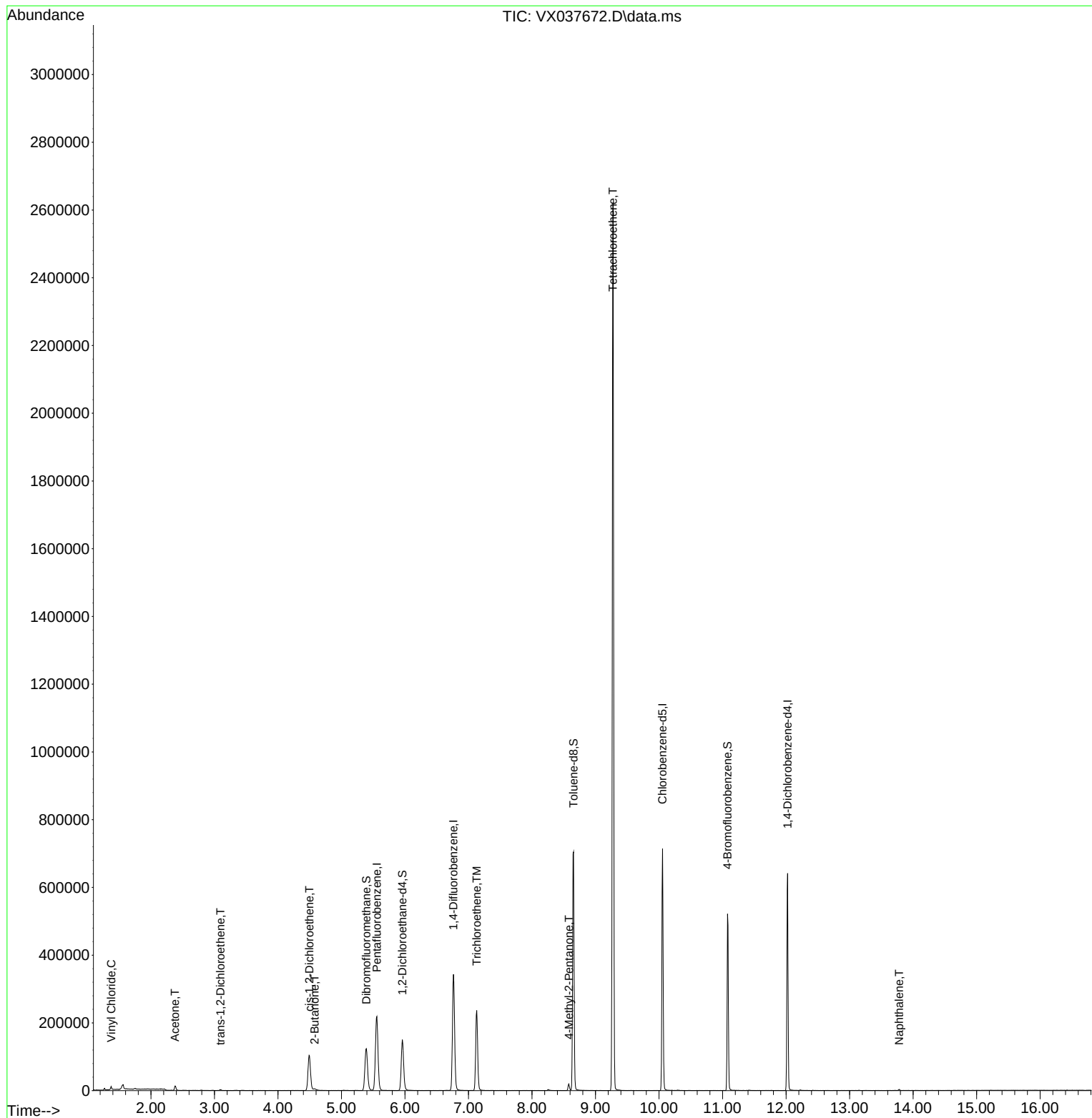
Internal Standards						
1) Pentafluorobenzene	5.556	168	202317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	349546	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	313499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	130163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	140671	42.975	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.940%		
35) Dibromofluoromethane	5.391	113	110005	44.399	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.800%		
50) Toluene-d8	8.653	98	431912	46.223	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.440%		
62) 4-Bromofluorobenzene	11.079	95	139545	41.394	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	82.780%#		
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	4104	1.444	ug/l	96
16) Acetone	2.380	43	14288	10.797	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	999	0.417	ug/l #	91
25) 2-Butanone	4.574	43	8755	4.057	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	67272	23.036	ug/l	83
44) Trichloroethene	7.129	130	88273	34.578	ug/l	98
51) 4-Methyl-2-Pentanone	8.580	43	11399	2.822	ug/l	99
64) Tetrachloroethene	9.275	164	459885	226.413	ug/l	98
95) Naphthalene	13.780	128	2424	0.253	ug/l	98

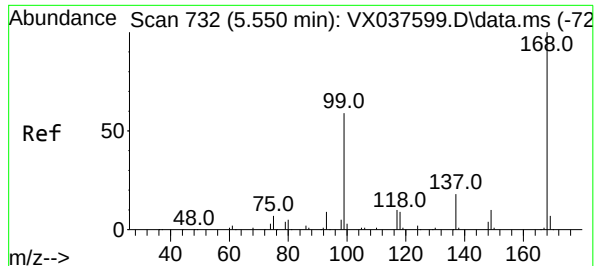
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037672.D
Acq On : 12 Sep 2023 16:37
Operator : JC/MD
Sample : 04373-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1041-MW-01(23)

Quant Time: Sep 13 01:46:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration

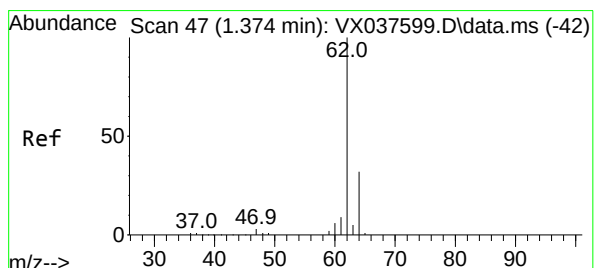
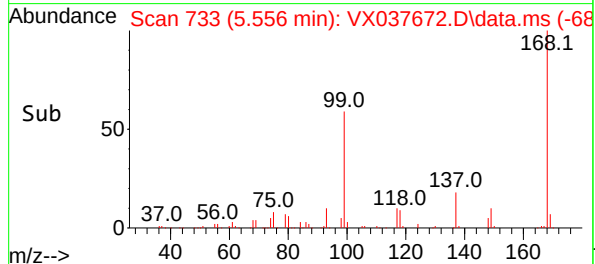
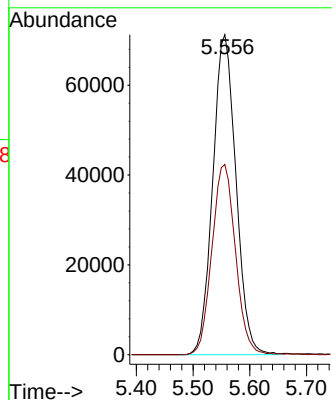
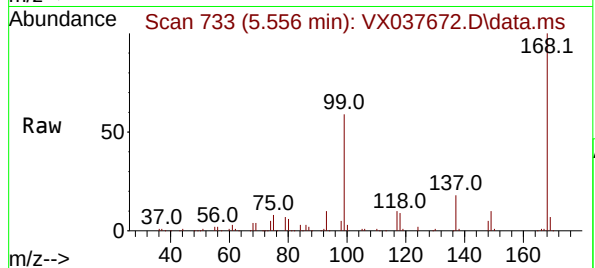




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037672.D
Acq: 12 Sep 2023 16:37

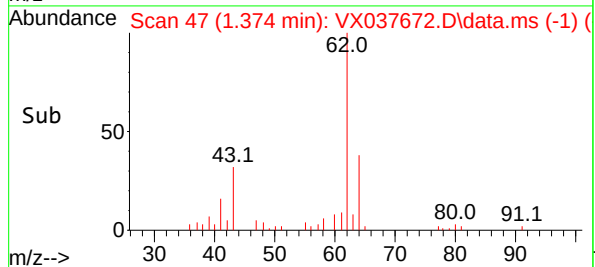
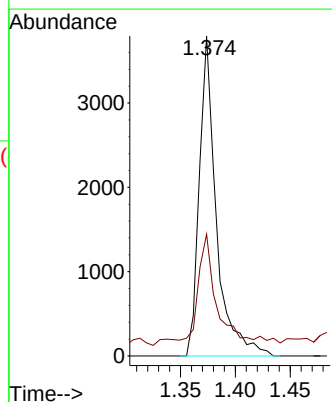
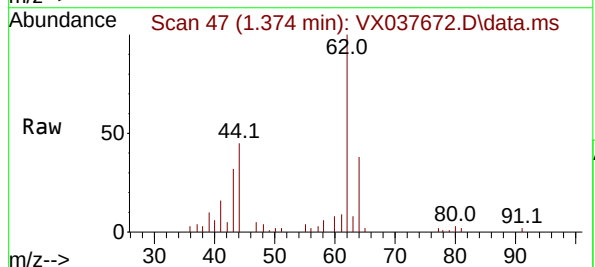
Instrument :
MSVOA_X
ClientSampleId :
1041-MW-01(23)

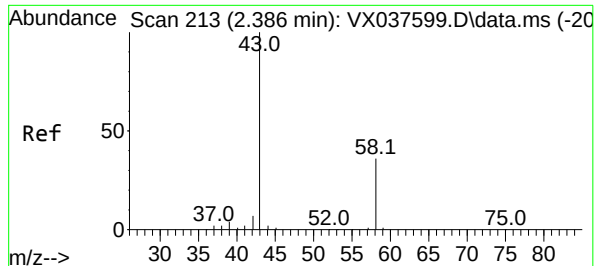
Tgt Ion:168 Resp: 202317
Ion Ratio Lower Upper
168 100
99 59.5 56.6 85.0



#4
Vinyl Chloride
Concen: 1.444 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX037672.D
Acq: 12 Sep 2023 16:37

Tgt Ion: 62 Resp: 4104
Ion Ratio Lower Upper
62 100
64 34.0 25.4 38.0





#16

Acetone

Concen: 10.797 ug/l

RT: 2.380 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX037672.D

Acq: 12 Sep 2023 16:37

Instrument :

MSVOA_X

ClientSampleId :

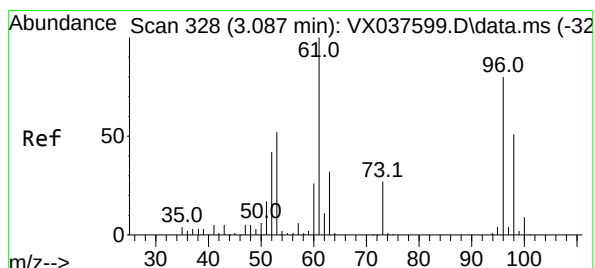
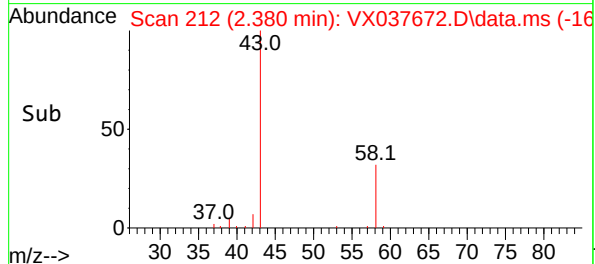
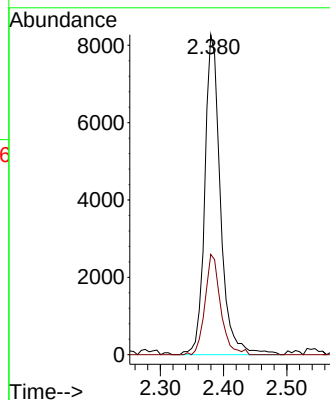
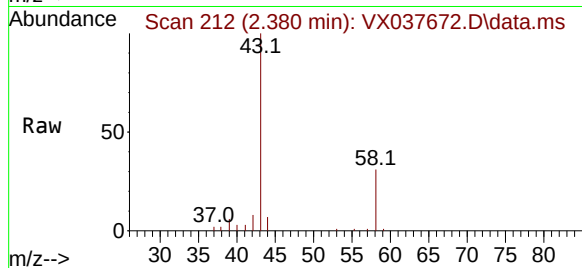
1041-MW-01(23)

Tgt Ion: 43 Resp: 14288

Ion Ratio Lower Upper

43 100

58 31.3 21.9 32.9



#21

trans-1,2-Dichloroethene

Concen: 0.417 ug/l

RT: 3.093 min Scan# 329

Delta R.T. 0.006 min

Lab File: VX037672.D

Acq: 12 Sep 2023 16:37

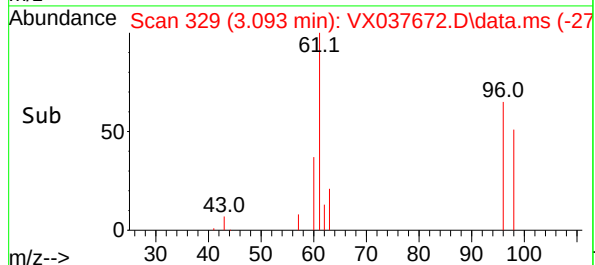
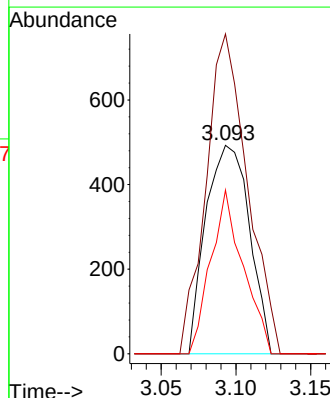
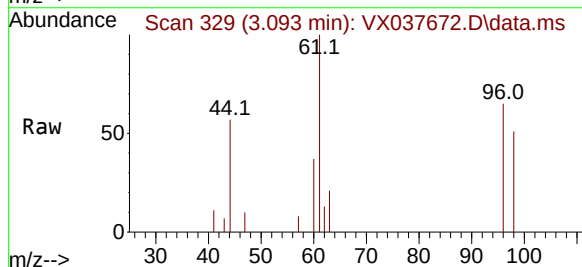
Tgt Ion: 96 Resp: 999

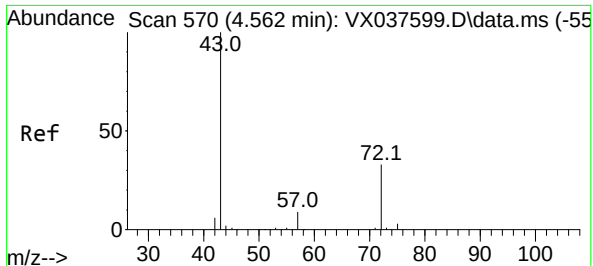
Ion Ratio Lower Upper

96 100

61 153.3 119.2 178.8

98 78.5 48.7 73.1#





#25

2-Butanone

Concen: 4.057 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX037672.D

Acq: 12 Sep 2023 16:37

Instrument :

MSVOA_X

ClientSampleId :

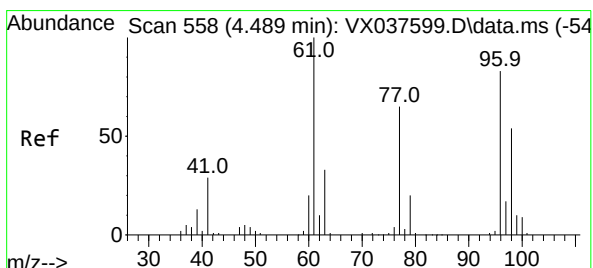
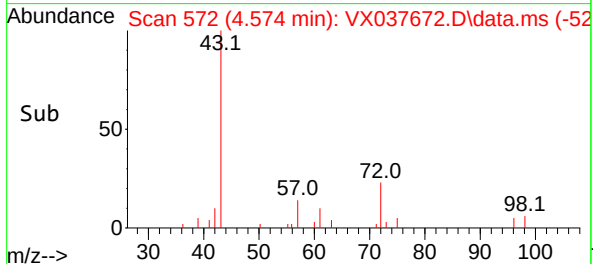
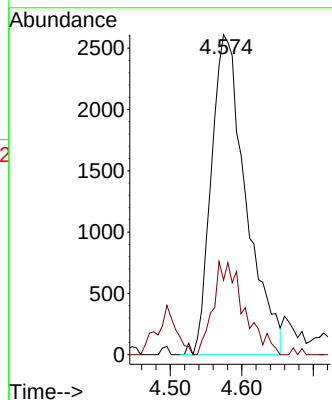
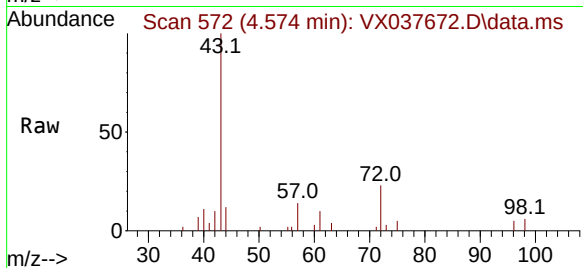
1041-MW-01(23)

Tgt Ion: 43 Resp: 8755

Ion Ratio Lower Upper

43 100

72 23.3 19.4 29.2



#27

cis-1,2-Dichloroethene

Concen: 23.036 ug/l

RT: 4.495 min Scan# 559

Delta R.T. 0.006 min

Lab File: VX037672.D

Acq: 12 Sep 2023 16:37

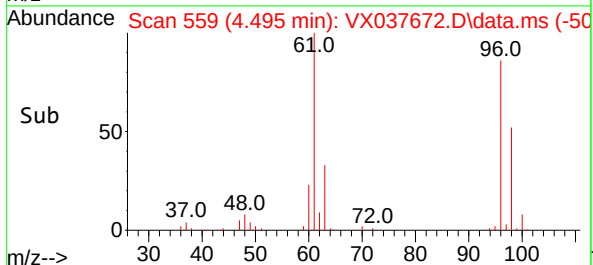
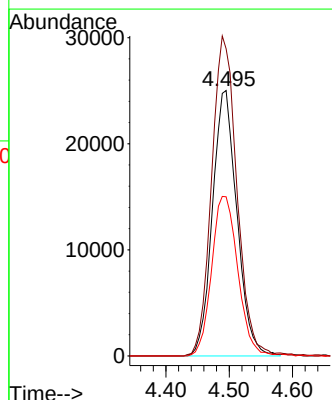
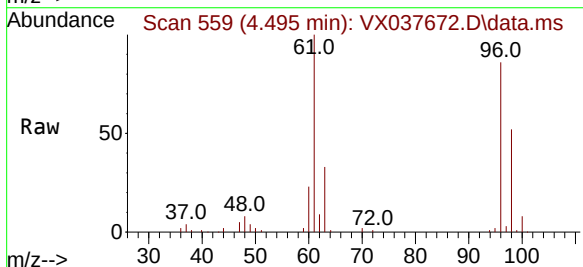
Tgt Ion: 96 Resp: 67272

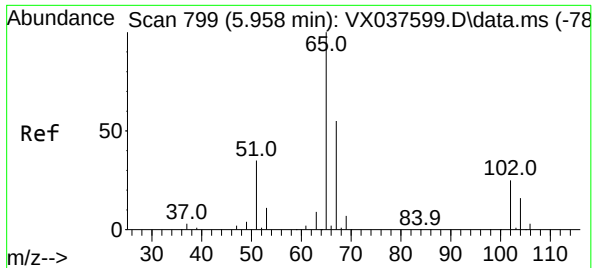
Ion Ratio Lower Upper

96 100

61 124.6 0.0 312.2

98 64.4 0.0 129.0





#33

1,2-Dichloroethane-d4

Concen: 42.975 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX037672.D

Acq: 12 Sep 2023 16:37

Instrument :

MSVOA_X

ClientSampleId :

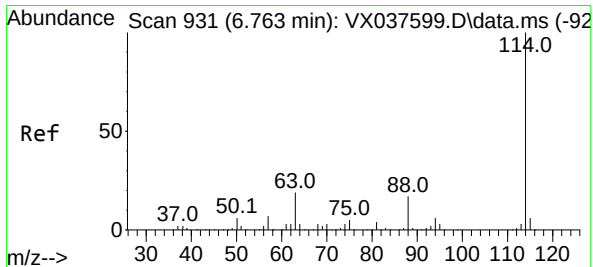
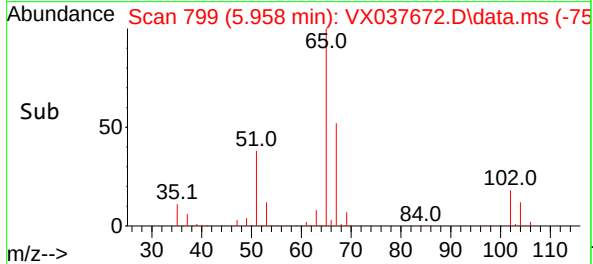
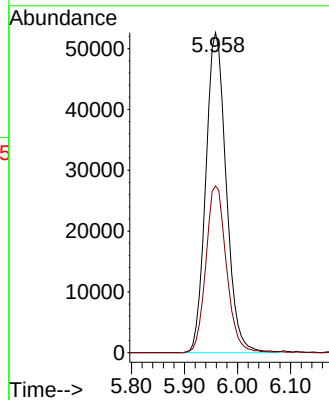
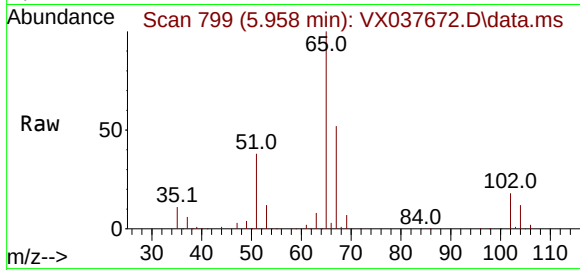
1041-MW-01(23)

Tgt Ion: 65 Resp: 140671

Ion Ratio Lower Upper

65 100

67 52.4 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX037672.D

Acq: 12 Sep 2023 16:37

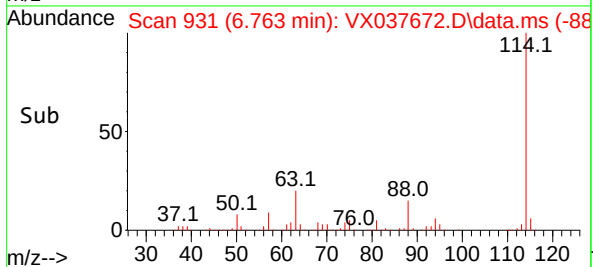
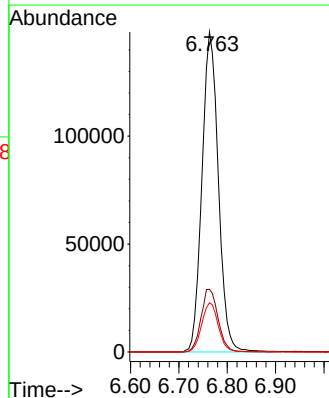
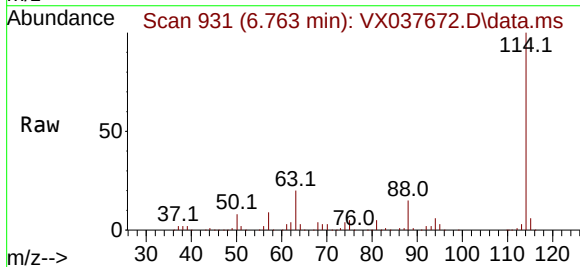
Tgt Ion: 114 Resp: 349546

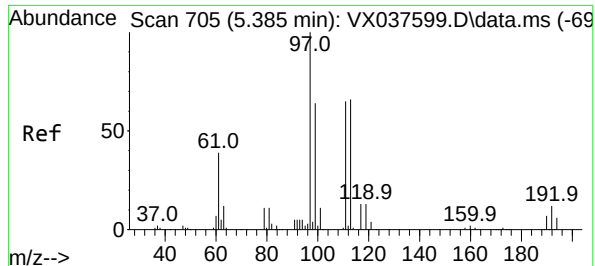
Ion Ratio Lower Upper

114 100

63 19.6 0.0 45.0

88 15.4 0.0 36.6





#35

Dibromofluoromethane

Concen: 44.399 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX037672.D

Acq: 12 Sep 2023 16:37

Instrument :

MSVOA_X

ClientSampleId :

1041-MW-01(23)

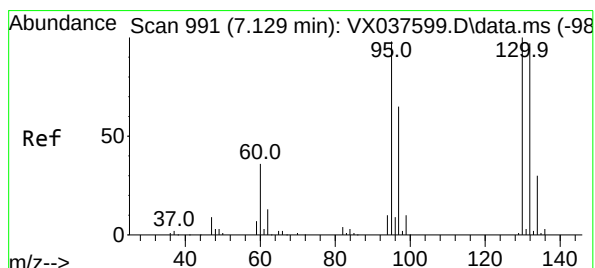
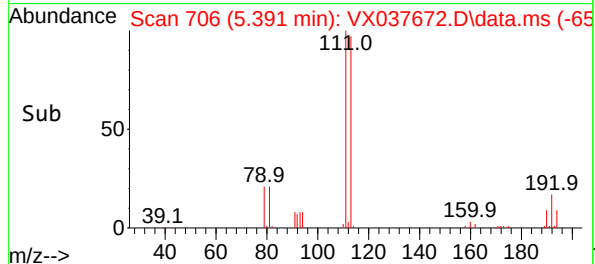
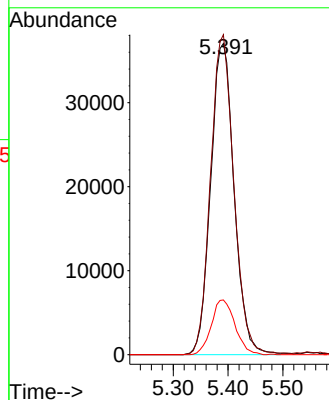
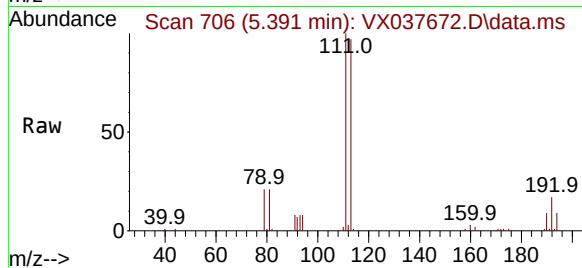
Tgt Ion:113 Resp: 110005

Ion Ratio Lower Upper

113 100

111 102.2 82.9 124.3

192 17.8 13.3 19.9



#44

Trichloroethene

Concen: 34.578 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX037672.D

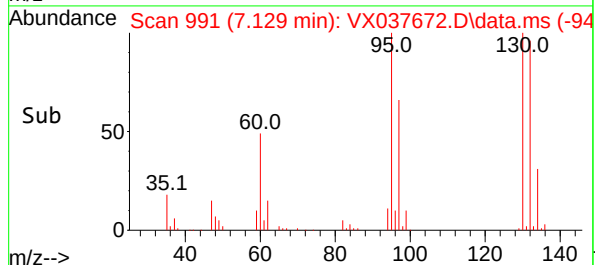
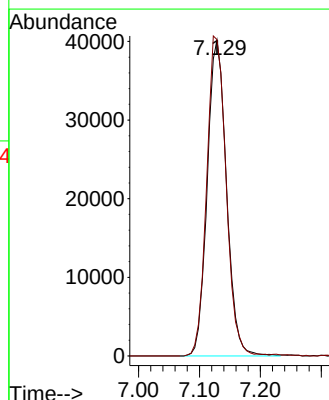
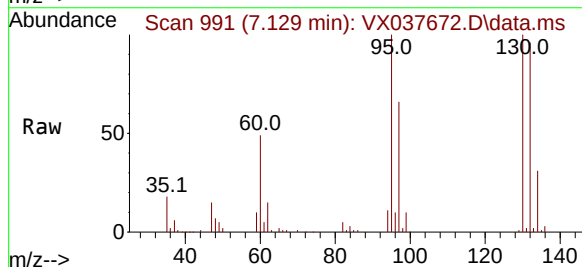
Acq: 12 Sep 2023 16:37

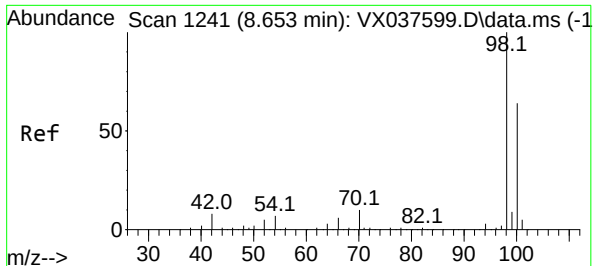
Tgt Ion:130 Resp: 88273

Ion Ratio Lower Upper

130 100

95 100.2 0.0 204.4





#50

Toluene-d8

Concen: 46.223 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037672.D

Acq: 12 Sep 2023 16:37

Instrument :

MSVOA_X

ClientSampleId :

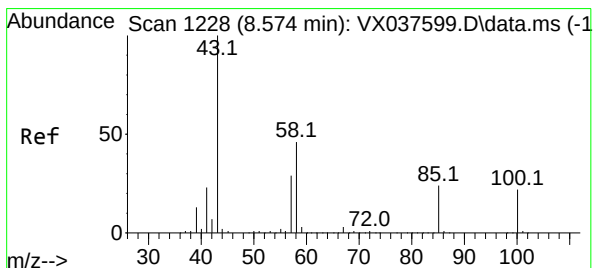
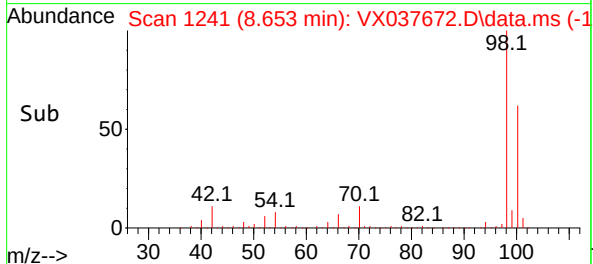
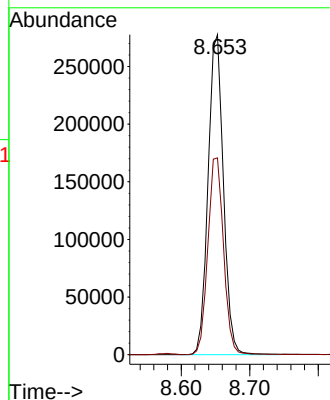
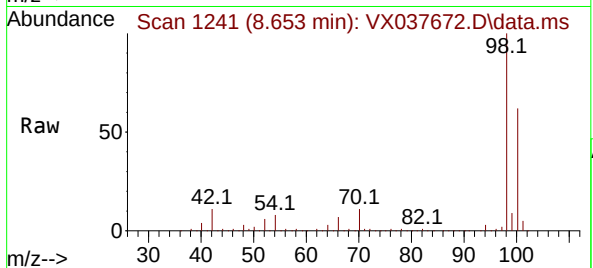
1041-MW-01(23)

Tgt Ion: 98 Resp: 431912

Ion Ratio Lower Upper

98 100

100 62.9 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 2.822 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX037672.D

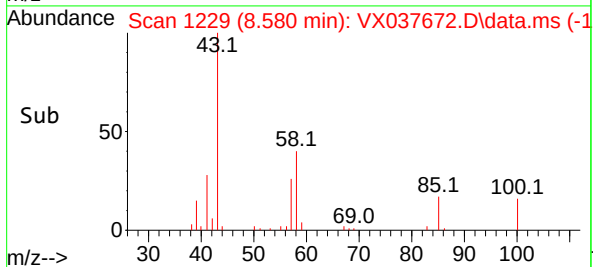
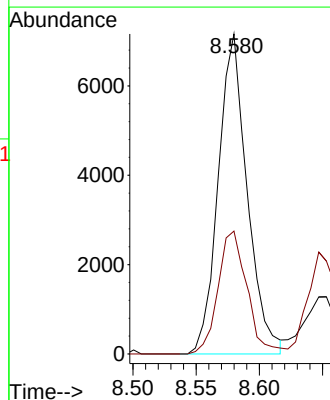
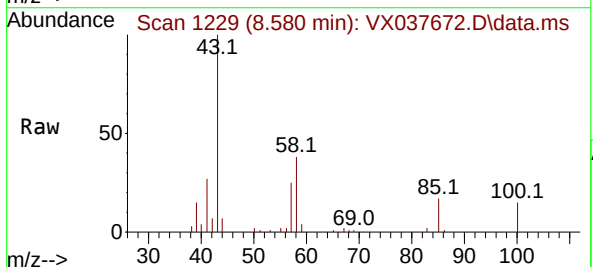
Acq: 12 Sep 2023 16:37

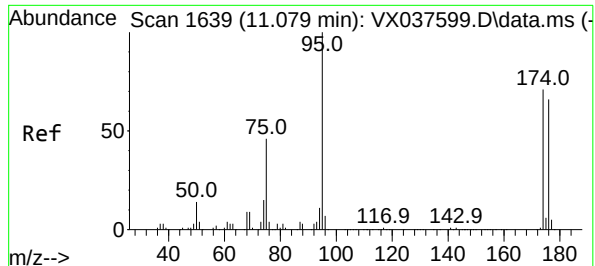
Tgt Ion: 43 Resp: 11399

Ion Ratio Lower Upper

43 100

58 38.5 30.4 45.6





#62

4-Bromofluorobenzene

Concen: 41.394 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX037672.D

Acq: 12 Sep 2023 16:37

Instrument :

MSVOA_X

ClientSampleId :

1041-MW-01(23)

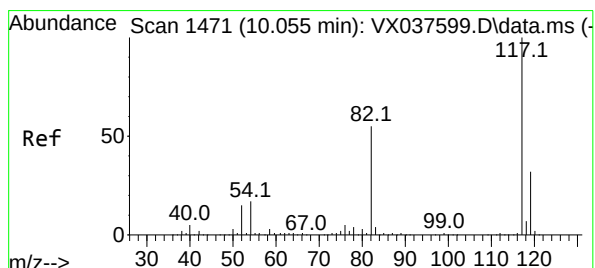
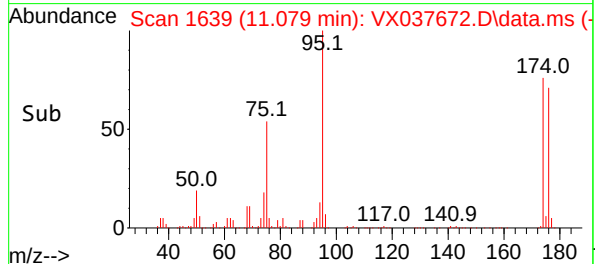
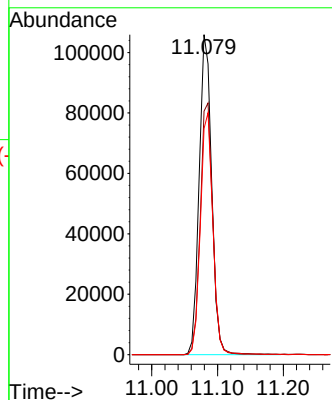
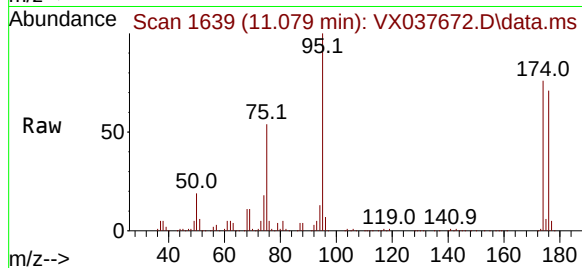
Tgt Ion: 95 Resp: 139545

Ion Ratio Lower Upper

95 100

174 78.6 0.0 135.6

176 75.4 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX037672.D

Acq: 12 Sep 2023 16:37

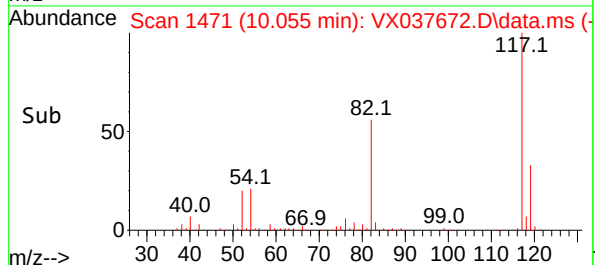
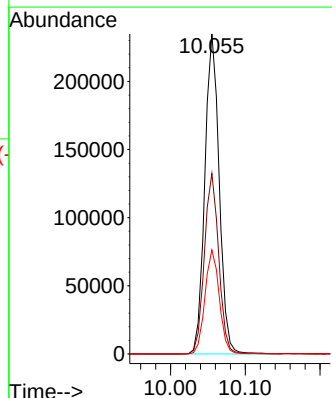
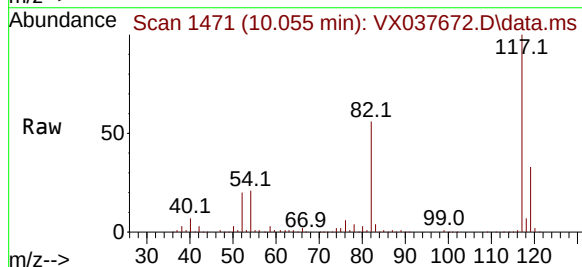
Tgt Ion: 117 Resp: 313499

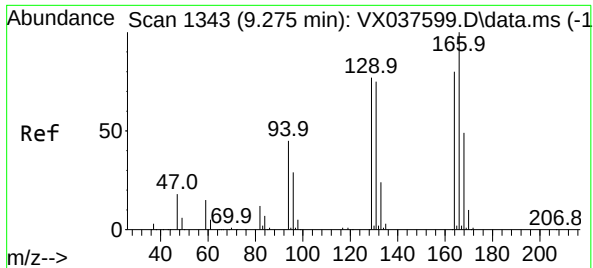
Ion Ratio Lower Upper

117 100

82 56.4 46.2 69.4

119 32.5 25.5 38.3

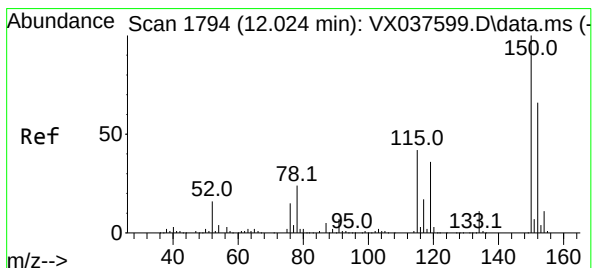
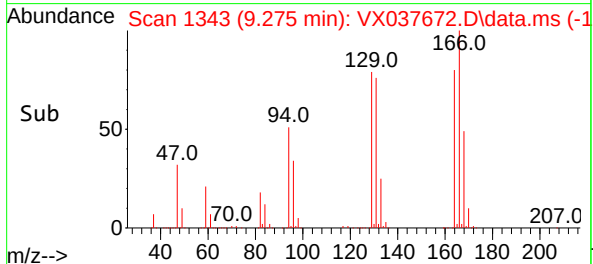
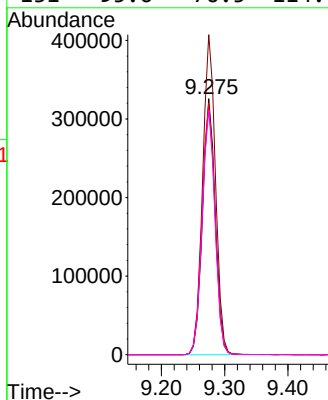
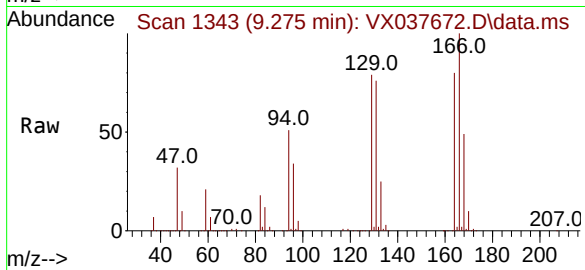




#64
Tetrachloroethene
Concen: 226.413 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037672.D
Acq: 12 Sep 2023 16:37

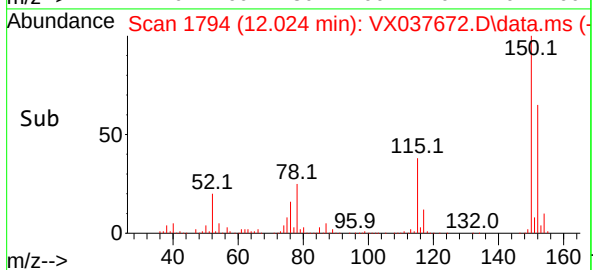
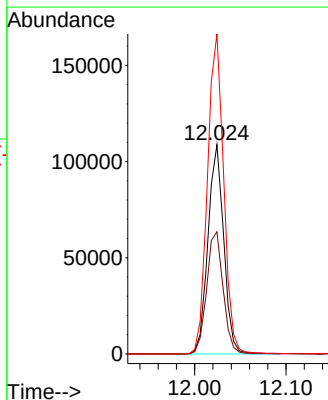
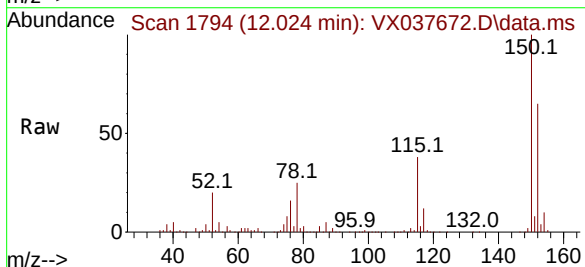
Instrument :
MSVOA_X
ClientSampleId :
1041-MW-01(23)

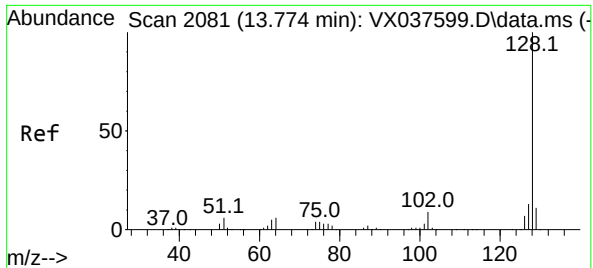
Tgt Ion:164 Resp: 459885
Ion Ratio Lower Upper
164 100
166 125.0 102.7 154.1
129 98.3 80.4 120.6
131 95.6 76.5 114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037672.D
Acq: 12 Sep 2023 16:37

Tgt Ion:152 Resp: 130163
Ion Ratio Lower Upper
152 100
115 61.0 43.3 129.9
150 157.1 0.0 345.0





#95

Naphthalene

Concen: 0.253 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX037672.D

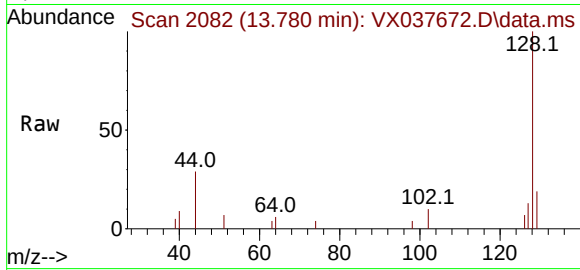
Acq: 12 Sep 2023 16:37

Instrument :

MSVOA_X

ClientSampleId :

1041-MW-01(23)



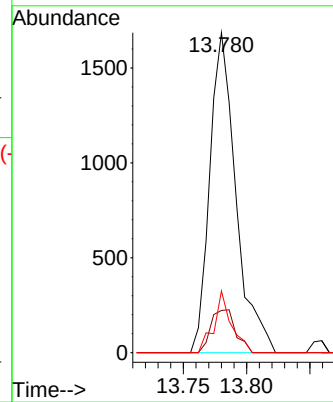
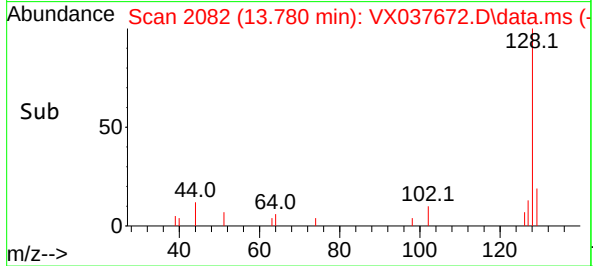
Tgt Ion:128 Resp: 2424

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 12.8 8.8 13.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037672.D
Acq On : 12 Sep 2023 16:37
Operator : JC/MD
Sample : 04373-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1041-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_X\Method\82X091123W.M
Title : SW846 8260

Signal : TIC: VX037672.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.489	546	558	568	rBV	103882	288046	7.70%	2.790%
2	5.391	693	706	719	rBV	123589	366951	9.81%	3.554%
3	5.556	722	733	750	rVB	217799	621186	16.61%	6.016%
4	5.958	788	799	814	rBV2	149659	395196	10.57%	3.827%
5	6.763	921	931	948	rBV	342979	815771	21.81%	7.900%
6	7.129	982	991	1007	rBV2	235970	508574	13.60%	4.925%
7	8.653	1234	1241	1256	rVB	703824	1125745	30.10%	10.902%
8	9.275	1336	1343	1357	rBV	2621357	3740615	100.00%	36.226%
9	10.055	1465	1471	1486	rBV	714604	961073	25.69%	9.307%
10	11.079	1634	1639	1654	rBV	521511	691979	18.50%	6.701%
11	12.024	1788	1794	1805	rBV	641018	810756	21.67%	7.852%

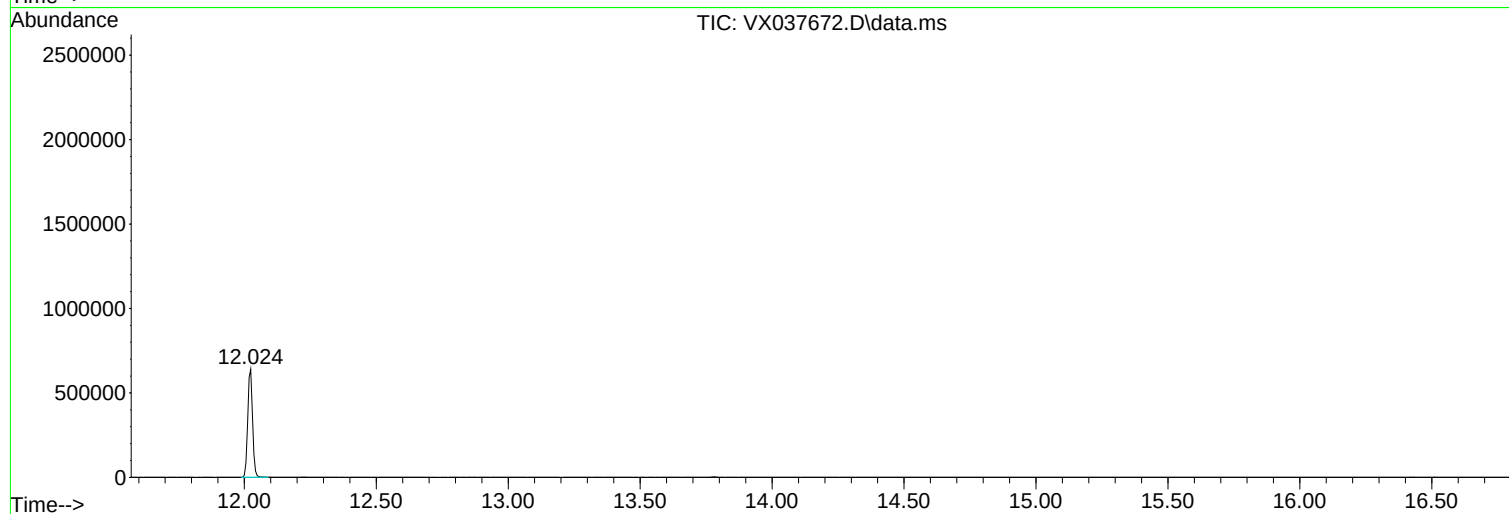
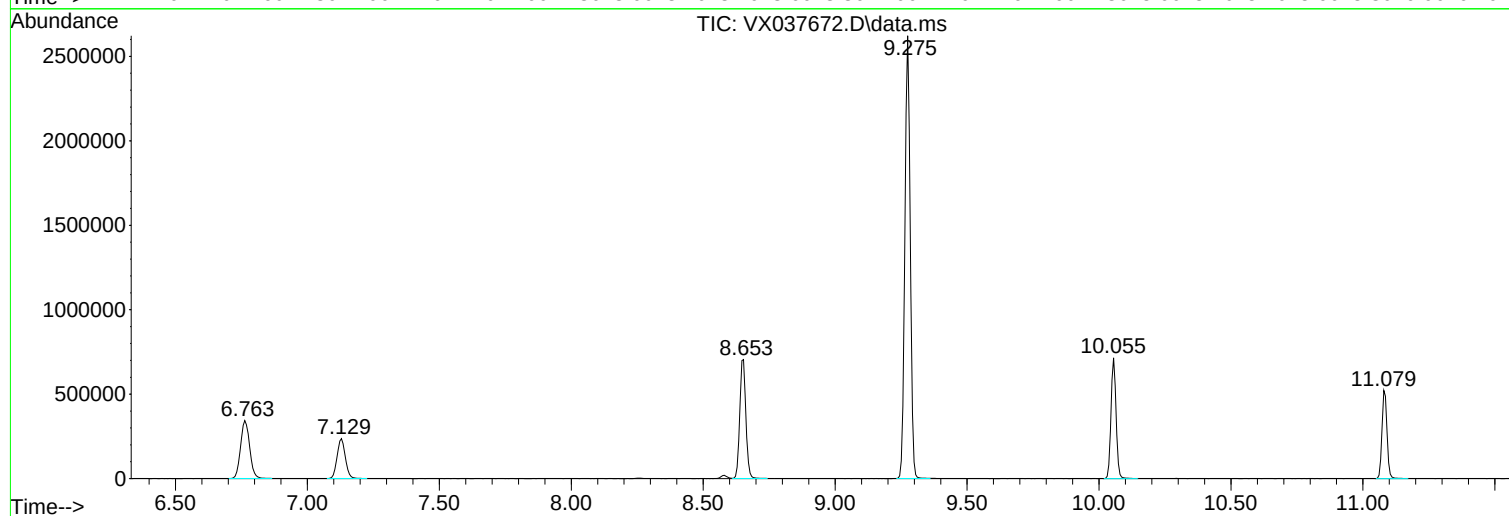
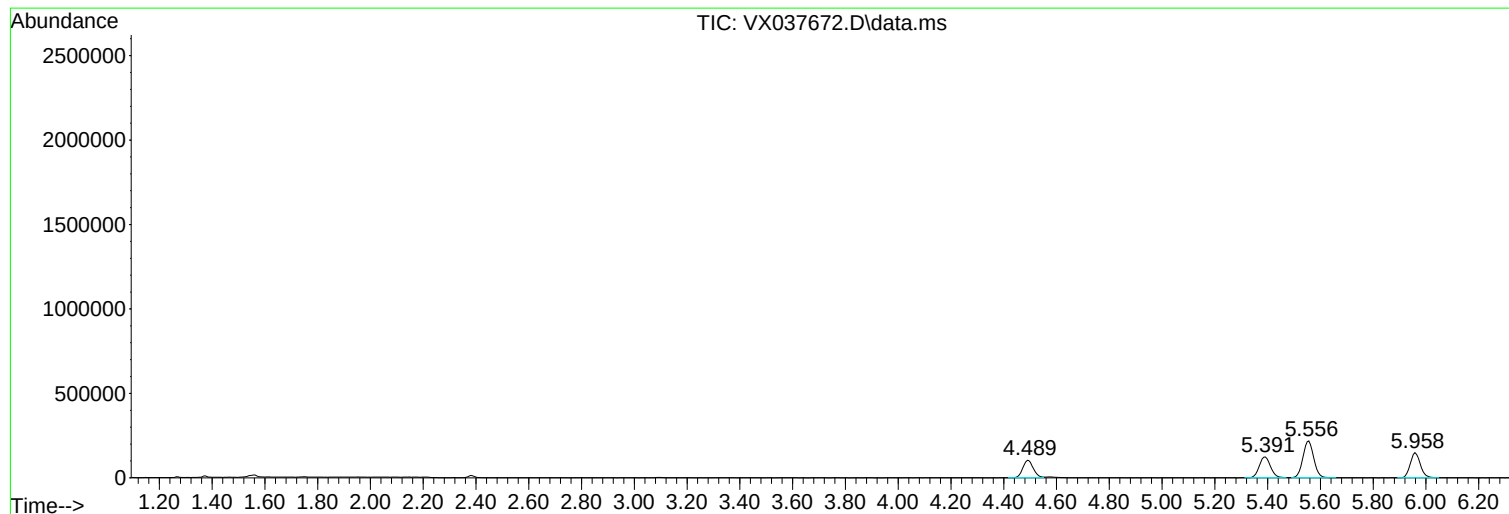
Sum of corrected areas: 10325892

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037672.D
Acq On : 12 Sep 2023 16:37
Operator : JC/MD
Sample : 04373-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1041-MW-01(23)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037672.D
Acq On : 12 Sep 2023 16:37
Operator : JC/MD
Sample : 04373-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1041-MW-01(23)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037672.D
Acq On : 12 Sep 2023 16:37
Operator : JC/MD
Sample : 04373-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1041-MW-01(23)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.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:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1041-MW-01(23)DL	SDG No.:	O4373
Lab Sample ID:	O4373-01DL	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037688.D	10		09/13/23 12:27	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	10.0	UD	1.40	10.0	ug/L
74-87-3	Chloromethane	10.0	UD	2.50	10.0	ug/L
75-01-4	Vinyl Chloride	10.0	UD	2.50	10.0	ug/L
74-83-9	Bromomethane	50.0	UD	15.5	50.0	ug/L
75-00-3	Chloroethane	10.0	UD	2.80	10.0	ug/L
75-69-4	Trichlorofluoromethane	10.0	UD	1.30	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10.0	UD	2.10	10.0	ug/L
75-35-4	1,1-Dichloroethene	10.0	UD	2.10	10.0	ug/L
67-64-1	Acetone	31.1	JD	11.5	50.0	ug/L
75-15-0	Carbon Disulfide	10.0	UD	2.70	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	10.0	UD	1.40	10.0	ug/L
79-20-9	Methyl Acetate	10.0	UD	3.60	10.0	ug/L
75-09-2	Methylene Chloride	10.0	UD	5.00	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	10.0	UD	1.70	10.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	UD	1.60	10.0	ug/L
110-82-7	Cyclohexane	50.0	UD	16.0	50.0	ug/L
78-93-3	2-Butanone	50.0	UD	12.1	50.0	ug/L
56-23-5	Carbon Tetrachloride	10.0	UD	1.30	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	34.8	D	2.00	10.0	ug/L
74-97-5	Bromochloromethane	10.0	UD	1.40	10.0	ug/L
67-66-3	Chloroform	10.0	UD	1.40	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	UD	1.40	10.0	ug/L
108-87-2	Methylcyclohexane	10.0	UD	1.60	10.0	ug/L
71-43-2	Benzene	10.0	UD	1.20	10.0	ug/L
107-06-2	1,2-Dichloroethane	10.0	UD	1.60	10.0	ug/L
79-01-6	Trichloroethene	45.7	D	2.60	10.0	ug/L
78-87-5	1,2-Dichloropropane	10.0	UD	1.50	10.0	ug/L
75-27-4	Bromodichloromethane	10.0	UD	1.50	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	50.0	UD	7.40	50.0	ug/L
108-88-3	Toluene	10.0	UD	1.40	10.0	ug/L
10061-02-6	t-1,3-Dichloropropene	10.0	UD	1.70	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	10.0	UD	1.50	10.0	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1041-MW-01(23)DL	SDG No.:	O4373
Lab Sample ID:	O4373-01DL	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037688.D	10		09/13/23 12:27	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	10.0	UD	1.30	10.0	ug/L
591-78-6	2-Hexanone	50.0	UD	9.80	50.0	ug/L
124-48-1	Dibromochloromethane	10.0	UD	1.50	10.0	ug/L
106-93-4	1,2-Dibromoethane	10.0	UD	1.30	10.0	ug/L
127-18-4	Tetrachloroethene	230	D	1.70	10.0	ug/L
108-90-7	Chlorobenzene	10.0	UD	1.20	10.0	ug/L
100-41-4	Ethyl Benzene	10.0	UD	1.30	10.0	ug/L
179601-23-1	m/p-Xylenes	20.0	UD	3.10	20.0	ug/L
95-47-6	o-Xylene	10.0	UD	1.50	10.0	ug/L
100-42-5	Styrene	10.0	UD	1.30	10.0	ug/L
75-25-2	Bromoform	10.0	UD	1.50	10.0	ug/L
98-82-8	Isopropylbenzene	10.0	UD	1.30	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.0	UD	1.50	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	10.0	UD	2.30	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	10.0	UD	2.40	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	10.0	UD	1.70	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10.0	UD	4.30	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	10.0	UD	4.30	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	10.0	UD	5.50	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.8		74 - 125	86%	SPK: 50
1868-53-7	Dibromofluoromethane	45.7		75 - 124	91%	SPK: 50
2037-26-5	Toluene-d8	45.6		86 - 113	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.4		64 - 133	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	221000	5.55			
540-36-3	1,4-Difluorobenzene	384000	6.763			
3114-55-4	Chlorobenzene-d5	358000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	150000	12.024			

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1041-MW-01(23)DL	SDG No.:	O4373
Lab Sample ID:	O4373-01DL	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037688.D	10		09/13/23 12:27	VX091323

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_X\Data\VX091323\
 Data File : VX037688.D
 Acq On : 13 Sep 2023 12:27
 Operator : JC/MD
 Sample : 04373-01DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1041-MW-01(23)DL

Quant Time: Sep 14 02:18:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

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

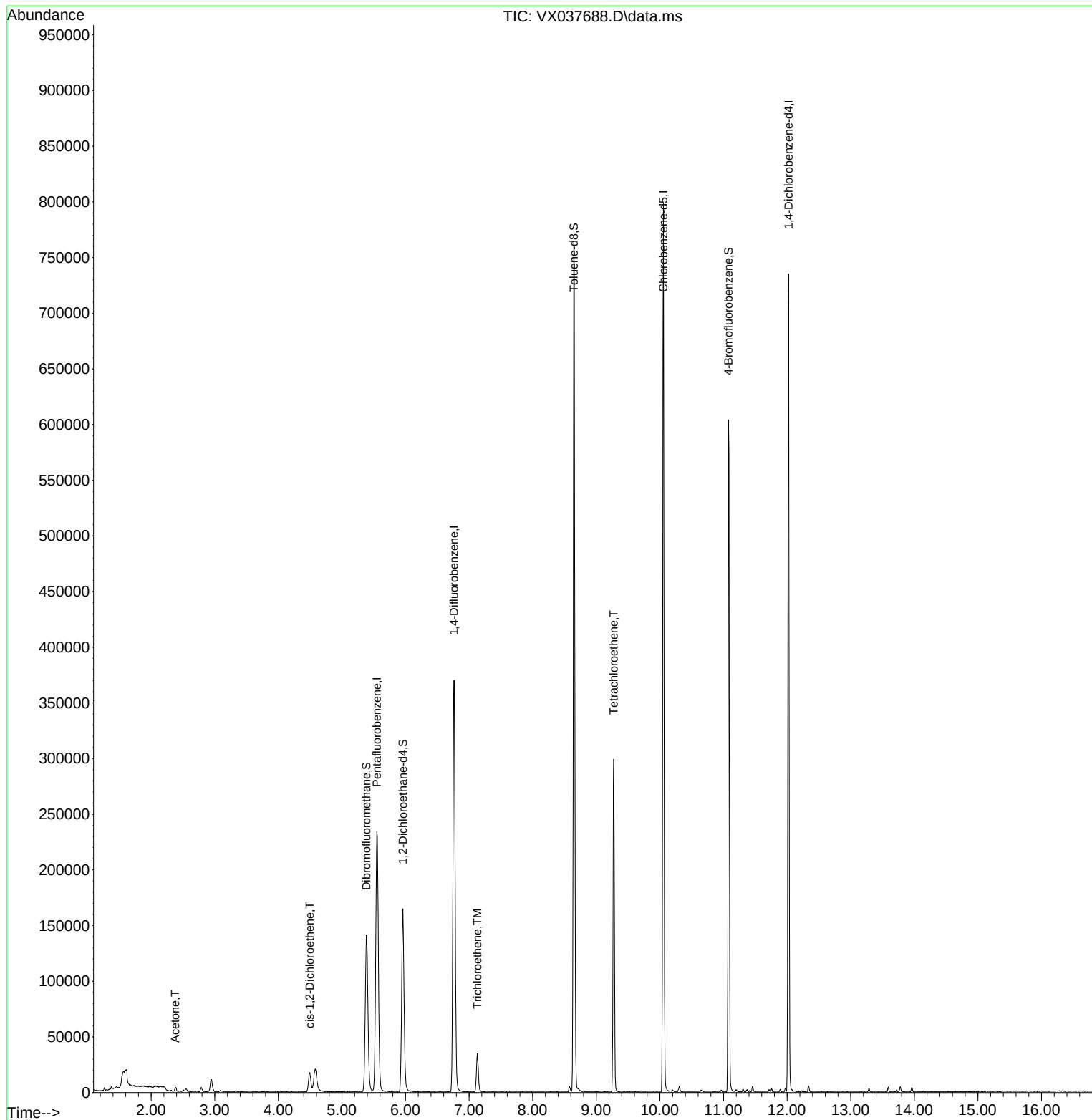
Internal Standards						
1) Pentafluorobenzene	5.550	168	221123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	384248	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	358433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	150148	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	153071	42.786	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.580%
35) Dibromofluoromethane	5.385	113	124349	45.656	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.320%
50) Toluene-d8	8.647	98	468350	45.596	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.200%#
62) 4-Bromofluorobenzene	11.079	95	160917	43.423	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.840%
Target Compounds						
					Qvalue	
16) Acetone	2.380	43	4492	3.106	ug/l	90
27) cis-1,2-Dichloroethene	4.495	96	11098	3.477	ug/l	81
44) Trichloroethene	7.129	130	12810	4.565	ug/l	97
64) Tetrachloroethene	9.275	164	53843	23.185	ug/l	98

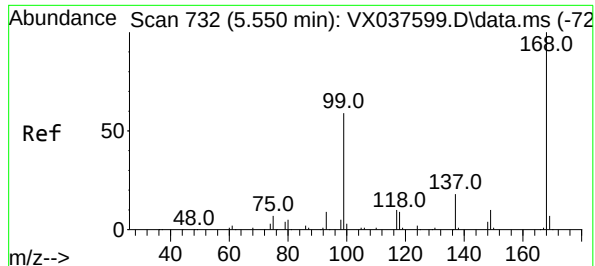
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037688.D
Acq On : 13 Sep 2023 12:27
Operator : JC/MD
Sample : 04373-01DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1041-MW-01(23)DL

Quant Time: Sep 14 02:18:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX037688.D

Acq: 13 Sep 2023 12:27

Instrument :

MSVOA_X

ClientSampleId :

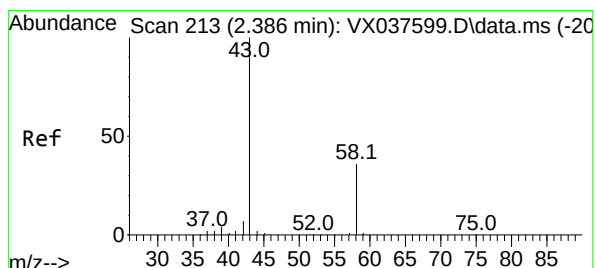
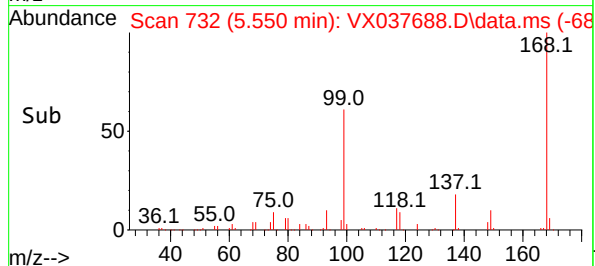
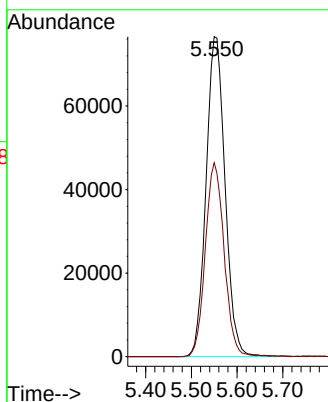
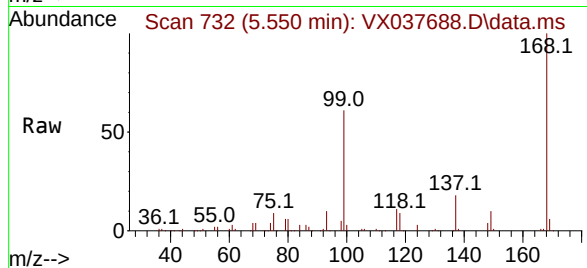
1041-MW-01(23)DL

Tgt Ion:168 Resp: 221123

Ion Ratio Lower Upper

168 100

99 60.6 56.6 85.0



#16

Acetone

Concen: 3.106 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX037688.D

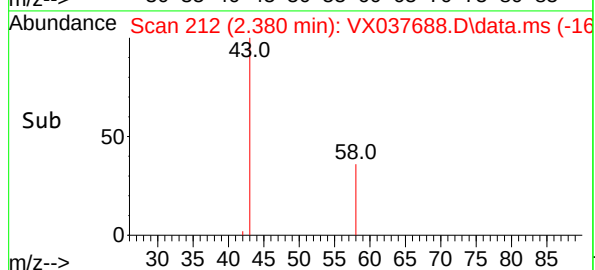
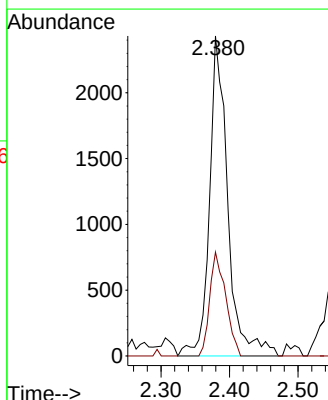
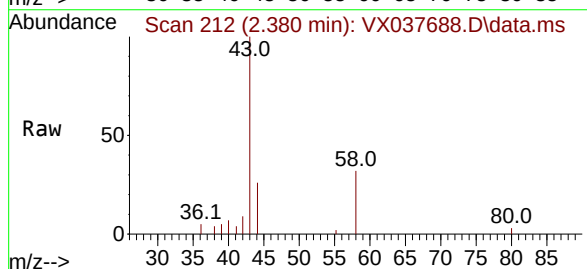
Acq: 13 Sep 2023 12:27

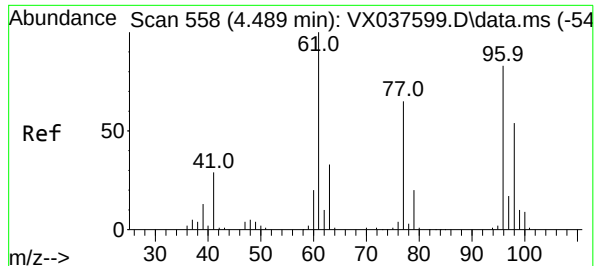
Tgt Ion: 43 Resp: 4492

Ion Ratio Lower Upper

43 100

58 32.4 21.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 3.477 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX037688.D

Acq: 13 Sep 2023 12:27

Instrument :

MSVOA_X

ClientSampleId :

1041-MW-01(23)DL

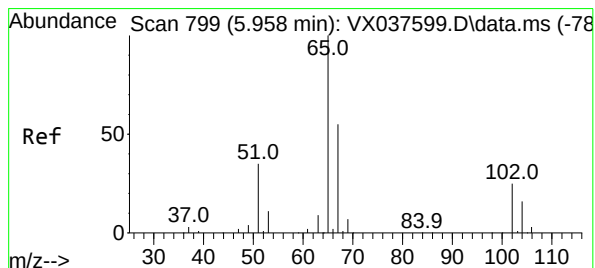
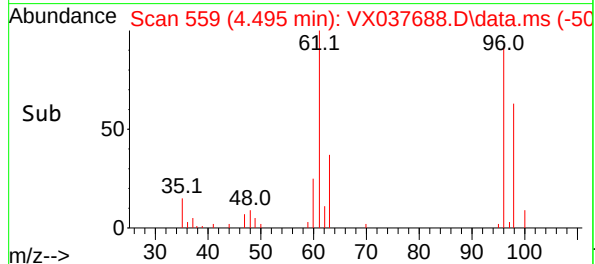
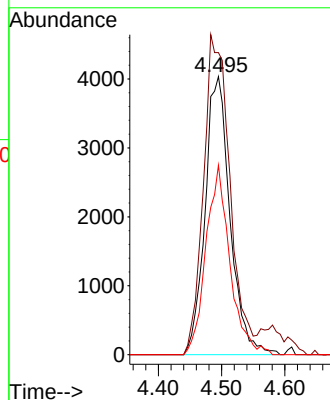
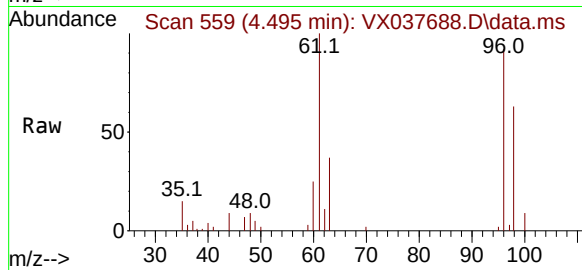
Tgt Ion: 96 Resp: 11098

Ion Ratio Lower Upper

96 100

61 121.2 0.0 312.2

98 65.4 0.0 129.0



#33

1,2-Dichloroethane-d4

Concen: 42.786 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037688.D

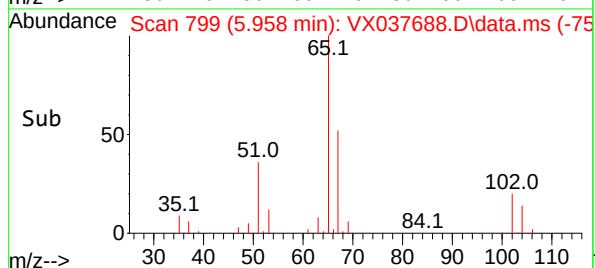
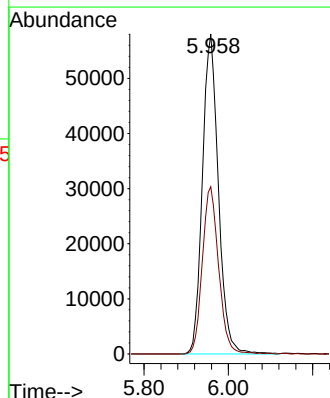
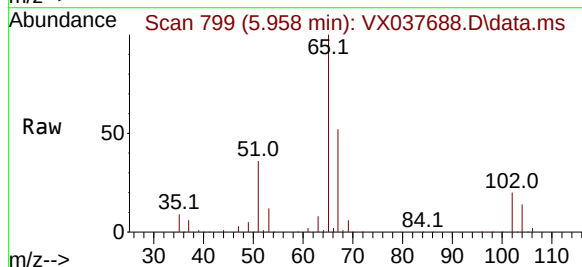
Acq: 13 Sep 2023 12:27

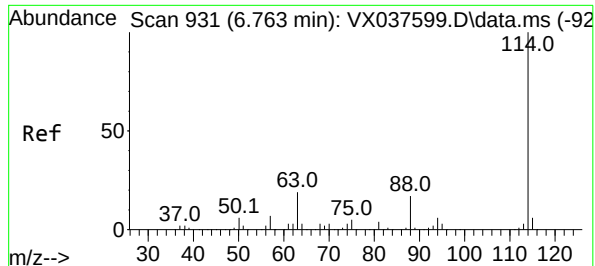
Tgt Ion: 65 Resp: 153071

Ion Ratio Lower Upper

65 100

67 53.1 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX037688.D

Acq: 13 Sep 2023 12:27

Instrument :

MSVOA_X

ClientSampleId :

1041-MW-01(23)DL

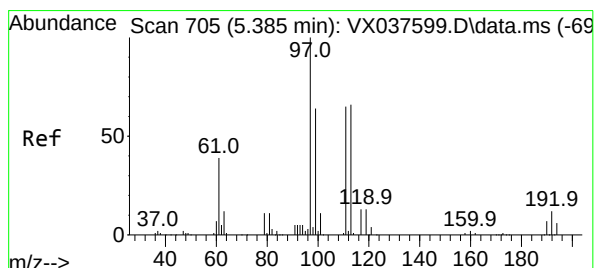
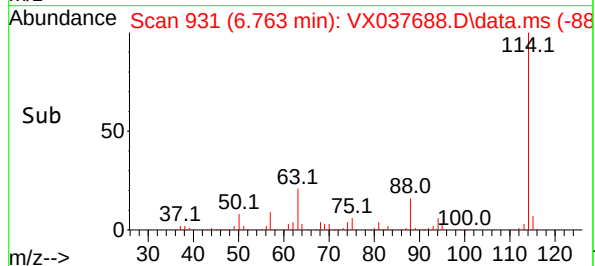
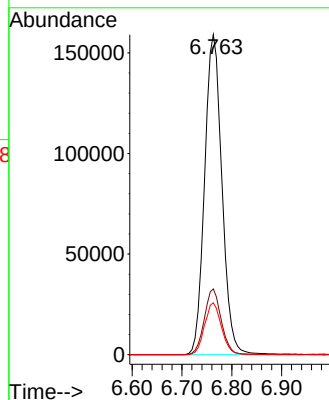
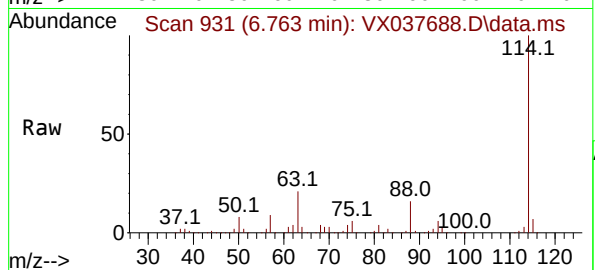
Tgt Ion:114 Resp: 384248

Ion Ratio Lower Upper

114 100

63 20.5 0.0 45.0

88 16.2 0.0 36.6



#35

Dibromofluoromethane

Concen: 45.656 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX037688.D

Acq: 13 Sep 2023 12:27

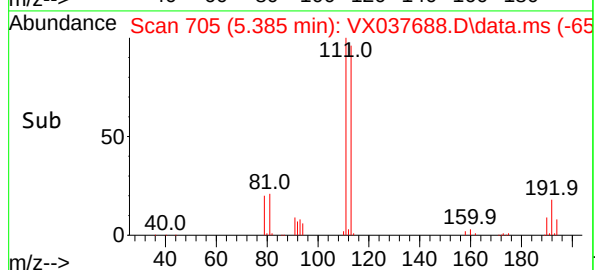
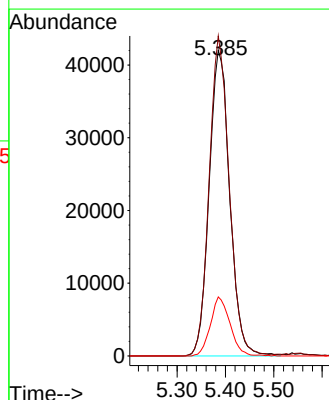
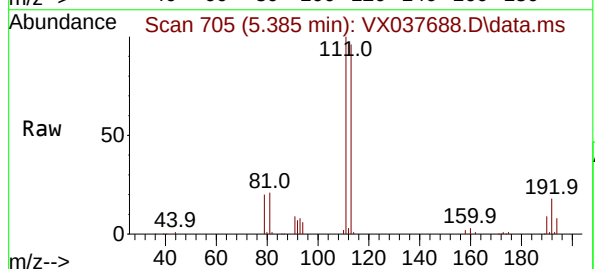
Tgt Ion:113 Resp: 124349

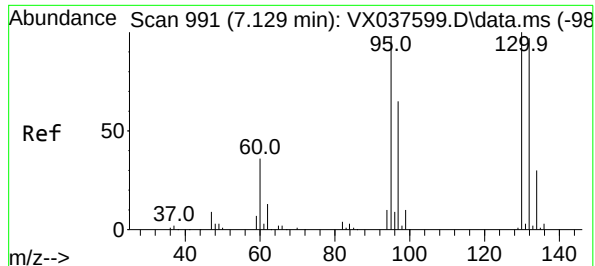
Ion Ratio Lower Upper

113 100

111 102.1 82.9 124.3

192 18.4 13.3 19.9





#44

Trichloroethene

Concen: 4.565 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX037688.D

Acq: 13 Sep 2023 12:27

Instrument :

MSVOA_X

ClientSampleId :

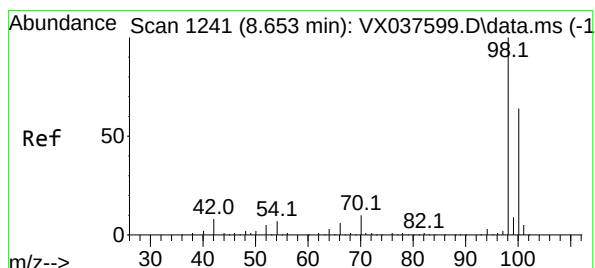
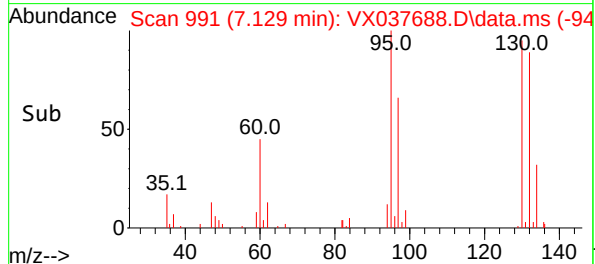
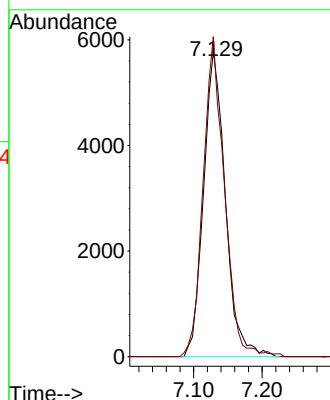
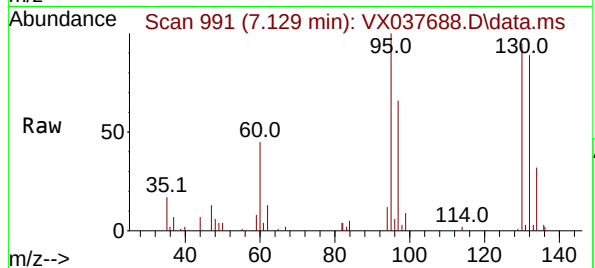
1041-MW-01(23)DL

Tgt Ion:130 Resp: 12810

Ion Ratio Lower Upper

130 100

95 104.8 0.0 204.4



#50

Toluene-d8

Concen: 45.596 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX037688.D

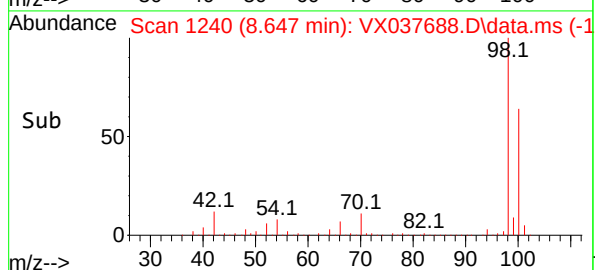
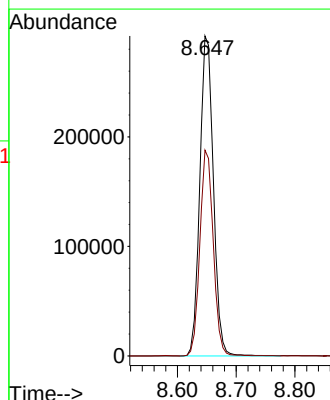
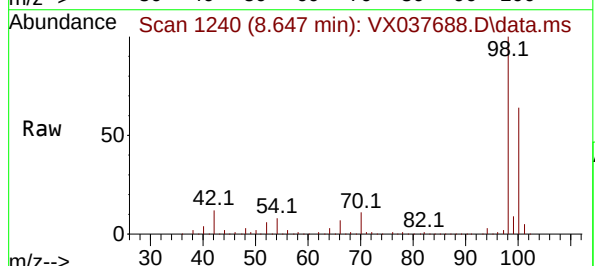
Acq: 13 Sep 2023 12:27

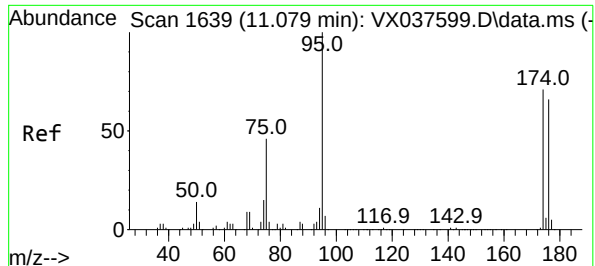
Tgt Ion: 98 Resp: 468350

Ion Ratio Lower Upper

98 100

100 63.6 53.1 79.7

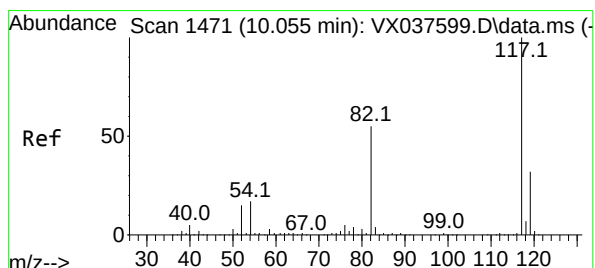
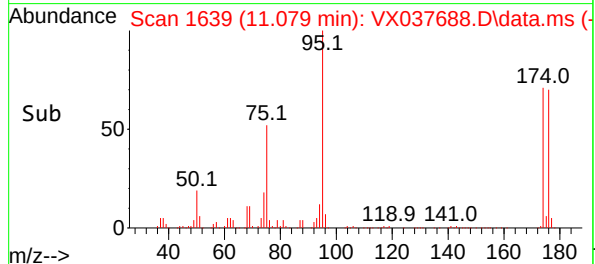
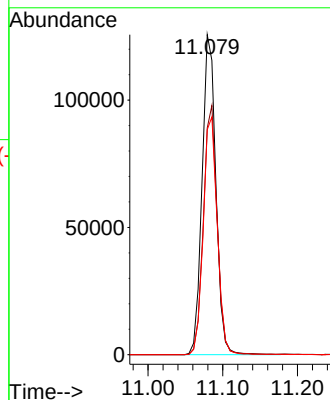
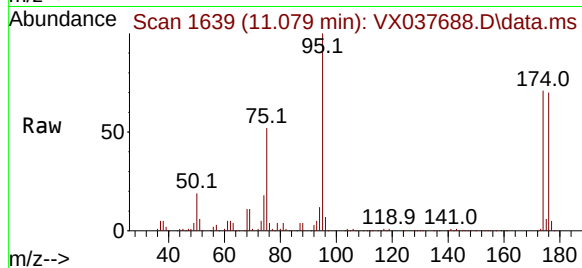




#62
4-Bromofluorobenzene
Concen: 43.423 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037688.D
Acq: 13 Sep 2023 12:27

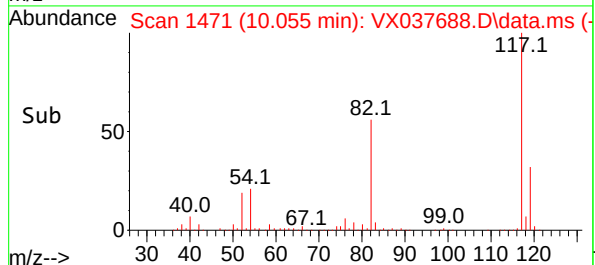
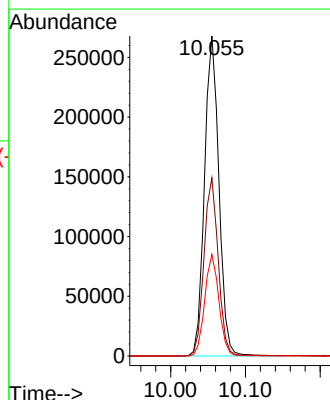
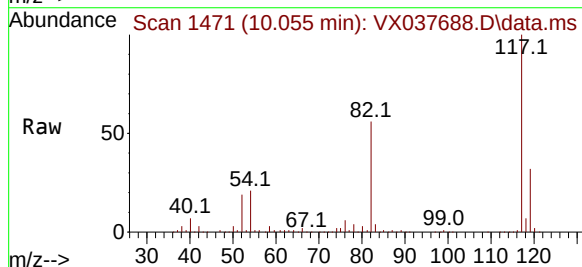
Instrument :
MSVOA_X
ClientSampleId :
1041-MW-01(23)DL

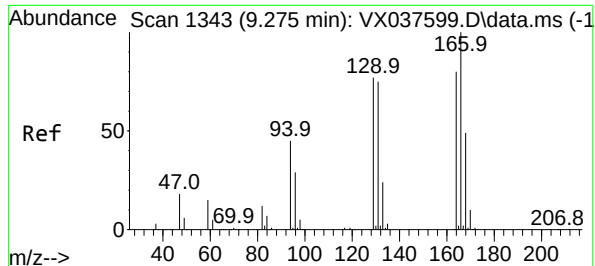
Tgt Ion: 95 Resp: 160917
Ion Ratio Lower Upper
95 100
174 77.7 0.0 135.6
176 75.7 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037688.D
Acq: 13 Sep 2023 12:27

Tgt Ion: 117 Resp: 358433
Ion Ratio Lower Upper
117 100
82 55.6 46.2 69.4
119 31.7 25.5 38.3





#64

Tetrachloroethene

Concen: 23.185 ug/l

RT: 9.275 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037688.D

Acq: 13 Sep 2023 12:27

Instrument :

MSVOA_X

ClientSampleId :

1041-MW-01(23)DL

Tgt Ion:164 Resp: 53843

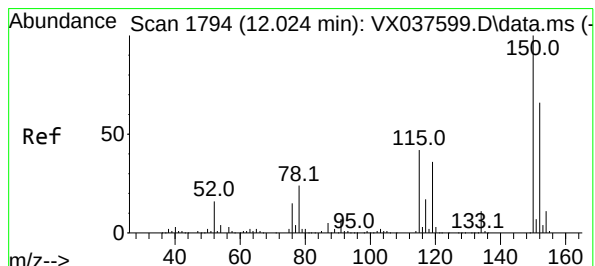
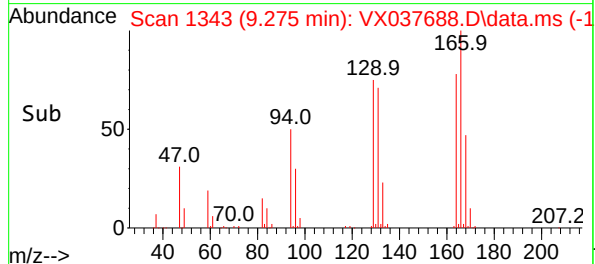
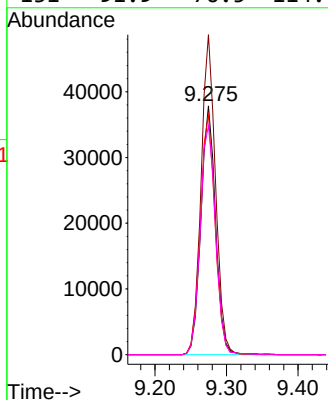
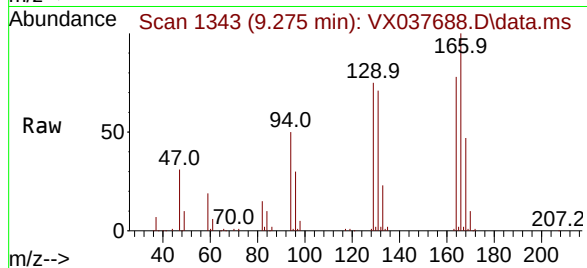
Ion Ratio Lower Upper

164 100

166 128.6 102.7 154.1

129 96.5 80.4 120.6

131 91.9 76.5 114.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX037688.D

Acq: 13 Sep 2023 12:27

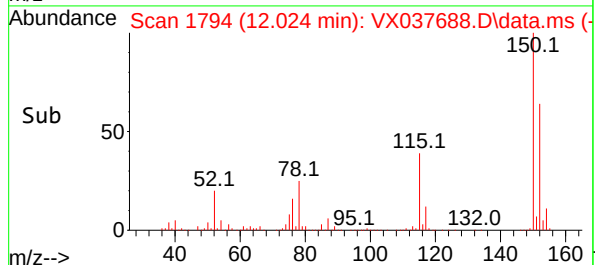
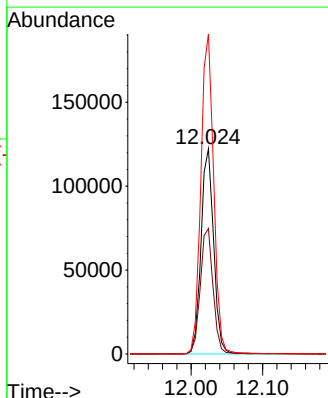
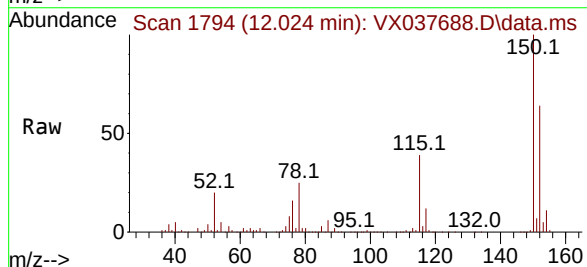
Tgt Ion:152 Resp: 150148

Ion Ratio Lower Upper

152 100

115 61.7 43.3 129.9

150 157.7 0.0 345.0





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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1042-MW-02(23.8)	SDG No.:	O4373
Lab Sample ID:	O4373-02	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037668.D	1		09/12/23 15:00	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.60		0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	8.60		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.53	J	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	3.90	J	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	25.1		0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	16.6		0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	4.60	J	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1042-MW-02(23.8)	SDG No.:	O4373
Lab Sample ID:	O4373-02	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037668.D	1		09/12/23 15:00	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	37.0		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	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	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	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	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.3		74 - 125	93%	SPK: 50
1868-53-7	Dibromofluoromethane	45.8		75 - 124	92%	SPK: 50
2037-26-5	Toluene-d8	45.9		86 - 113	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.4		64 - 133	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	215000	5.55			
540-36-3	1,4-Difluorobenzene	381000	6.763			
3114-55-4	Chlorobenzene-d5	346000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	141000	12.024			



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1042-MW-02(23.8)	SDG No.:	O4373
Lab Sample ID:	O4373-02	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037668.D	1		09/12/23 15:00	VX091223

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_X\Data\VX091223\
 Data File : VX037668.D
 Acq On : 12 Sep 2023 15:00
 Operator : JC/MD
 Sample : 04373-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1042-MW-02(23.8)

Quant Time: Sep 13 01:45:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

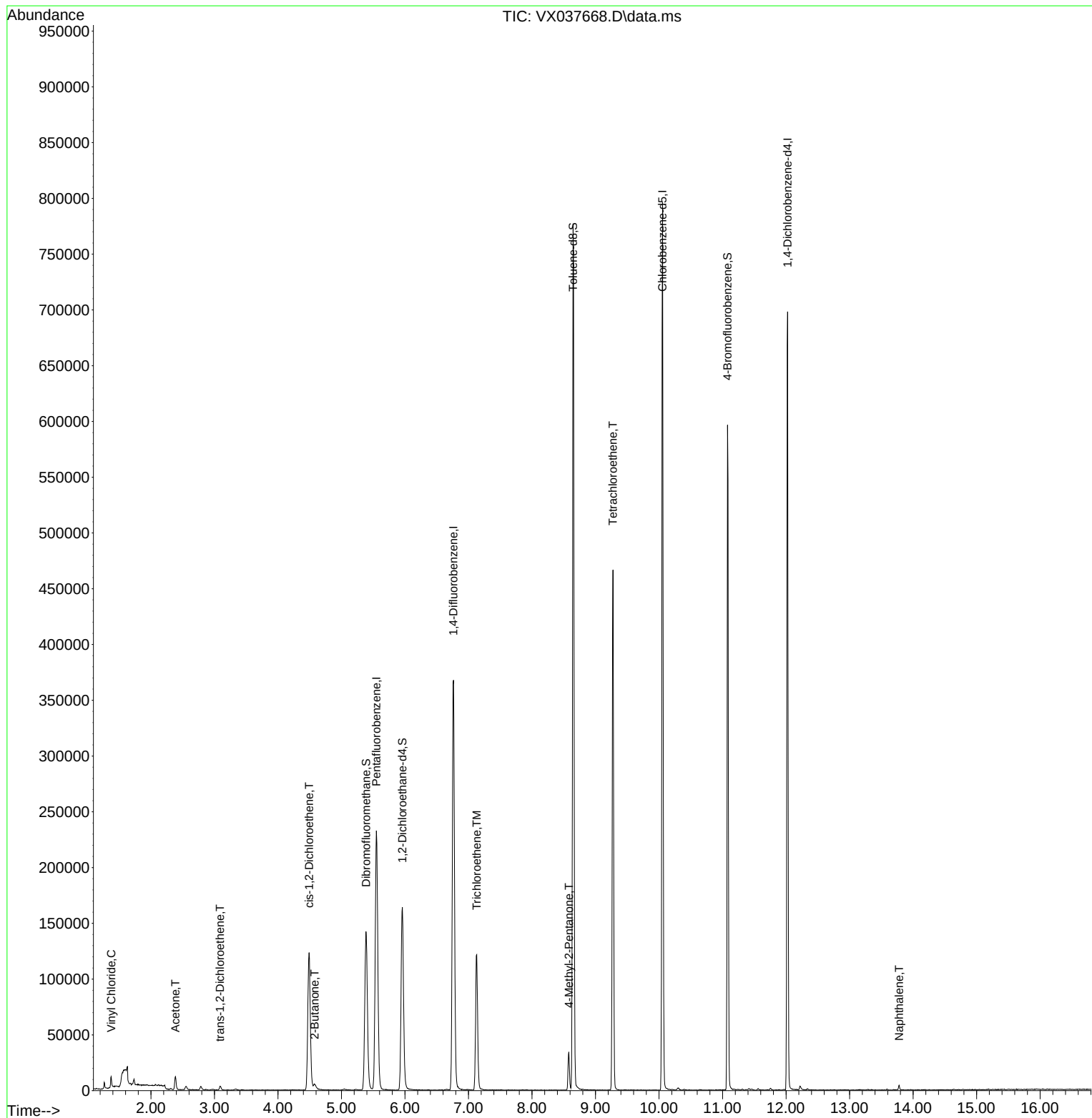
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	214733	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	381012	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	345749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	141321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	160768	46.274	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.540%
35) Dibromofluoromethane	5.385	113	123736	45.817	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.640%
50) Toluene-d8	8.647	98	467256	45.875	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.760%#
62) 4-Bromofluorobenzene	11.079	95	155776	42.393	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.780%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	4848	1.607	ug/l	96
16) Acetone	2.386	43	12034	8.568	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	1349	0.531	ug/l	82
25) 2-Butanone	4.574	43	9030	3.943	ug/l #	89
27) cis-1,2-Dichloroethene	4.489	96	77874	25.124	ug/l	84
44) Trichloroethene	7.129	130	46270	16.628	ug/l	97
51) 4-Methyl-2-Pentanone	8.580	43	20295	4.609	ug/l	98
64) Tetrachloroethene	9.275	164	82911	37.012	ug/l	99
95) Naphthalene	13.780	128	2823	0.272	ug/l #	95

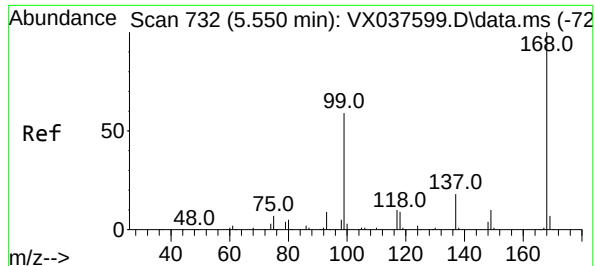
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037668.D
Acq On : 12 Sep 2023 15:00
Operator : JC/MD
Sample : 04373-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)

Quant Time: Sep 13 01:45:22 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX037668.D

Acq: 12 Sep 2023 15:00

Instrument :

MSVOA_X

ClientSampleId :

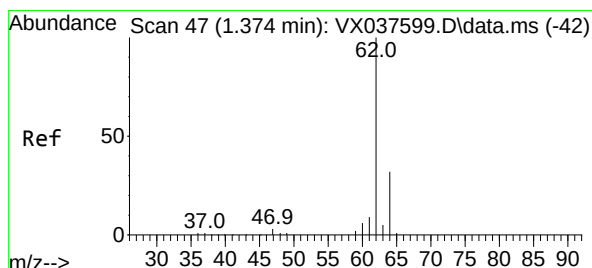
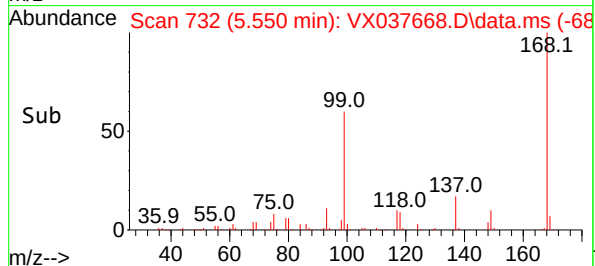
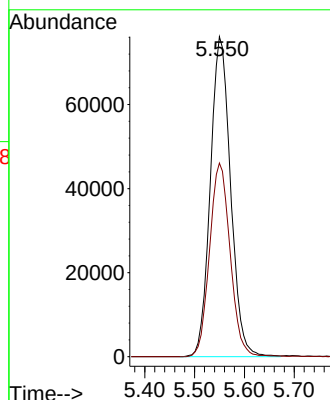
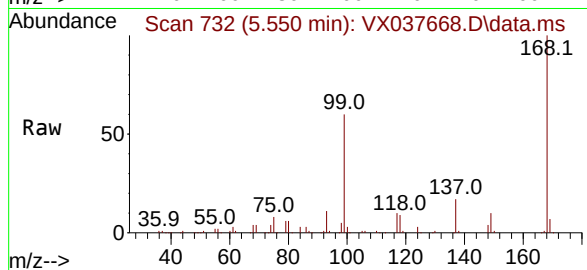
1042-MW-02(23.8)

Tgt Ion:168 Resp: 214733

Ion Ratio Lower Upper

168 100

99 60.5 56.6 85.0



#4

Vinyl Chloride

Concen: 1.607 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX037668.D

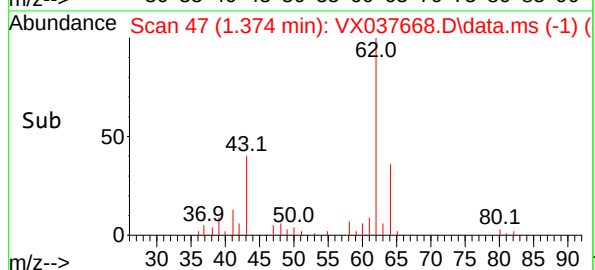
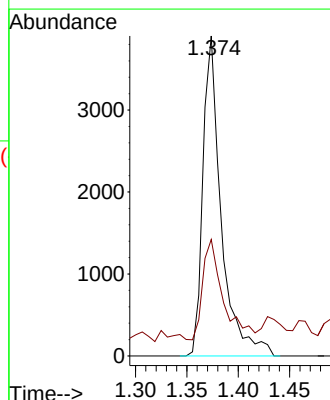
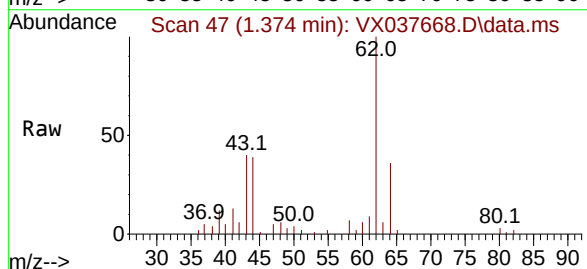
Acq: 12 Sep 2023 15:00

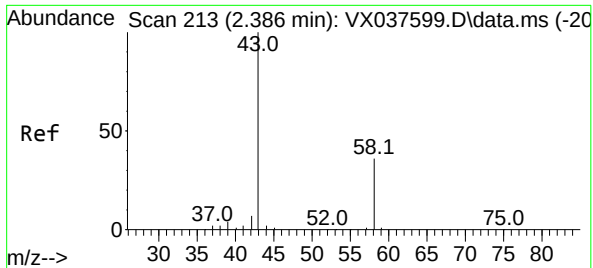
Tgt Ion: 62 Resp: 4848

Ion Ratio Lower Upper

62 100

64 29.7 25.4 38.0

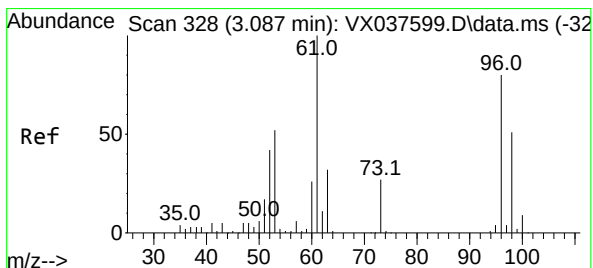
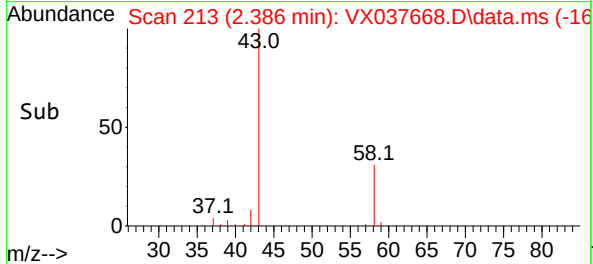
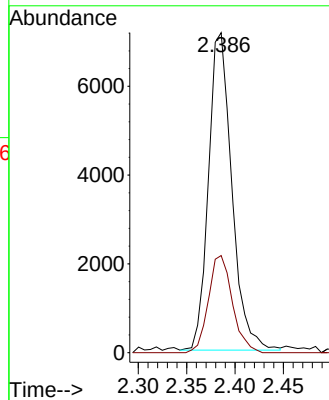
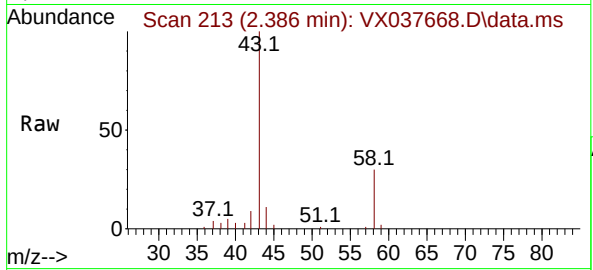




#16
Acetone
Concen: 8.568 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

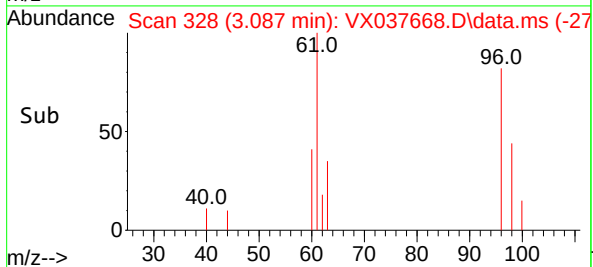
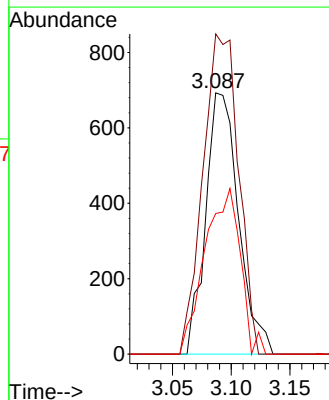
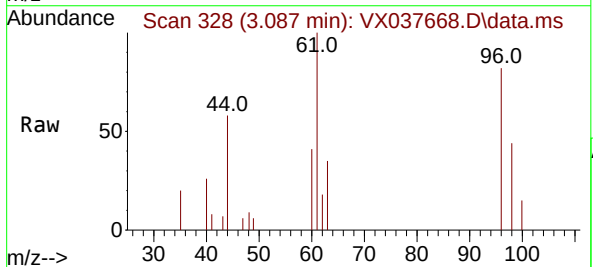
Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)

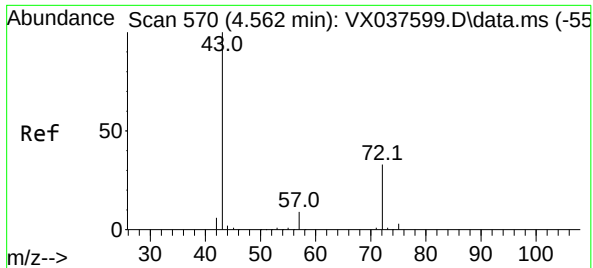
Tgt Ion: 43 Resp: 12034
Ion Ratio Lower Upper
43 100
58 30.6 21.9 32.9



#21
trans-1,2-Dichloroethene
Concen: 0.531 ug/l
RT: 3.087 min Scan# 328
Delta R.T. -0.000 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

Tgt Ion: 96 Resp: 1349
Ion Ratio Lower Upper
96 100
61 122.5 119.2 178.8
98 53.8 48.7 73.1

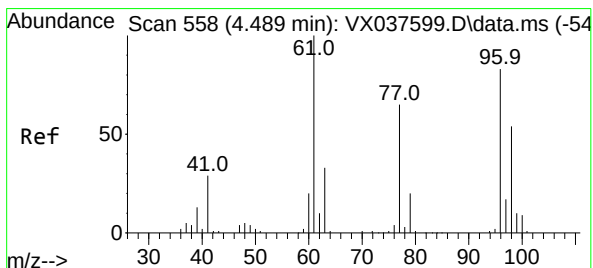
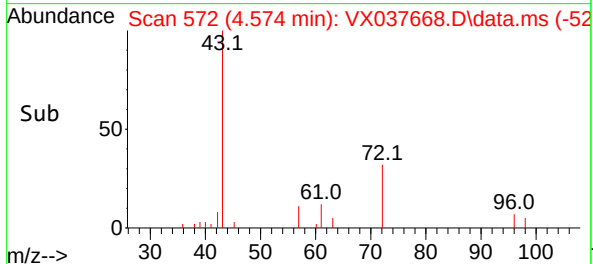
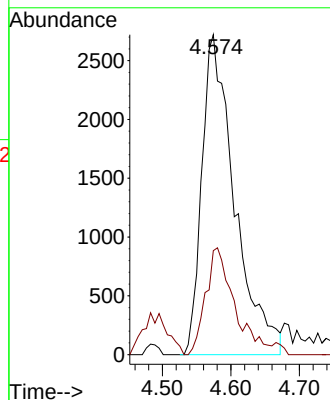
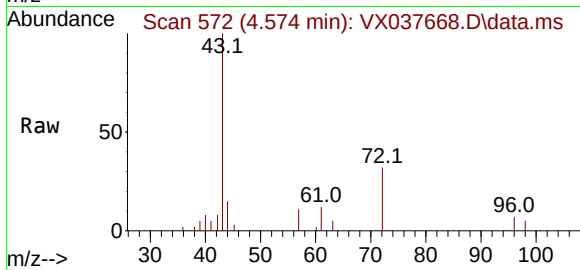




#25
2-Butanone
Concen: 3.943 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

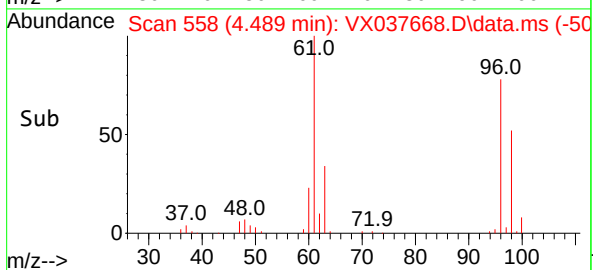
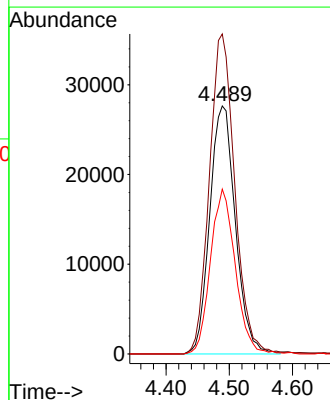
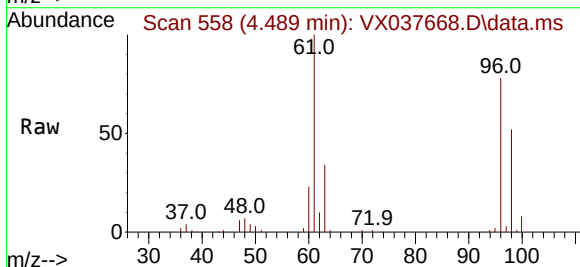
Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)

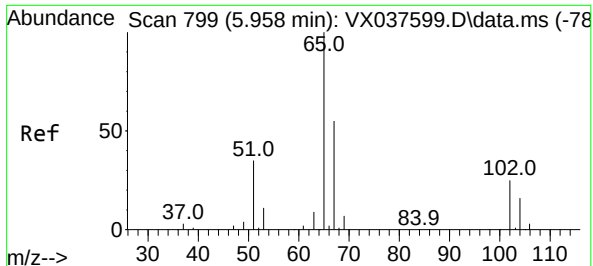
Tgt Ion: 43 Resp: 9030
Ion Ratio Lower Upper
43 100
72 29.8 19.4 29.2#



#27
cis-1,2-Dichloroethene
Concen: 25.124 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

Tgt Ion: 96 Resp: 77874
Ion Ratio Lower Upper
96 100
61 127.7 0.0 312.2
98 64.2 0.0 129.0





#33

1,2-Dichloroethane-d4

Concen: 46.274 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037668.D

Acq: 12 Sep 2023 15:00

Instrument :

MSVOA_X

ClientSampleId :

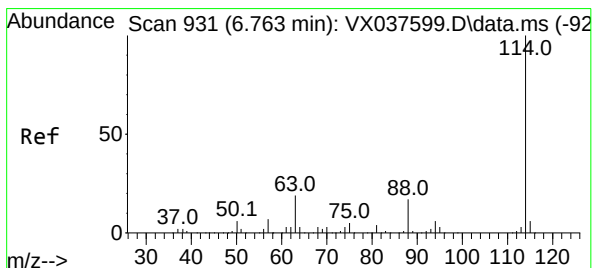
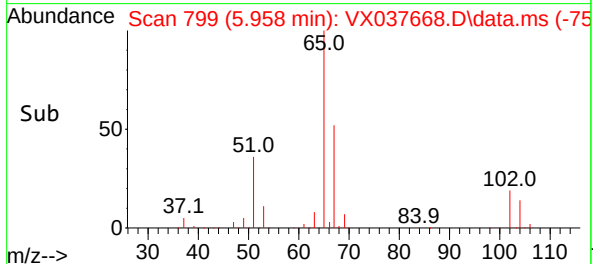
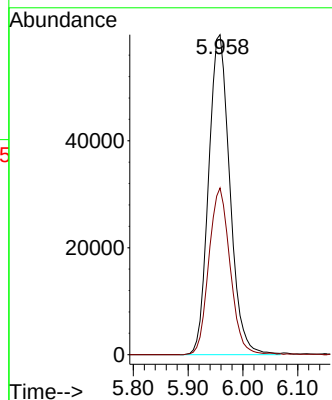
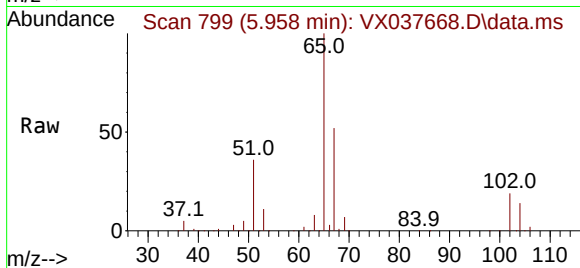
1042-MW-02(23.8)

Tgt Ion: 65 Resp: 160768

Ion Ratio Lower Upper

65 100

67 52.0 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037668.D

Acq: 12 Sep 2023 15:00

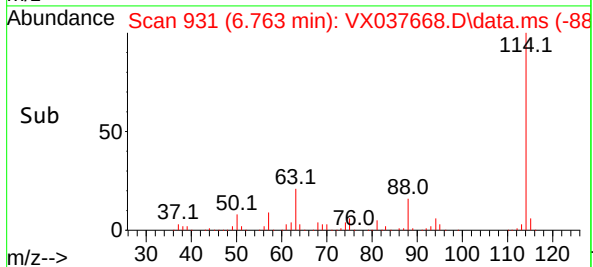
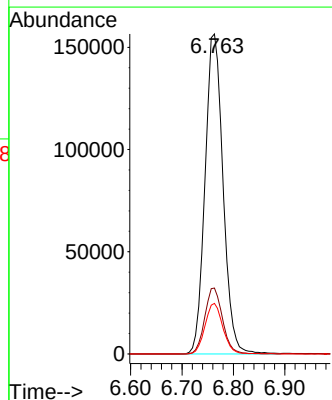
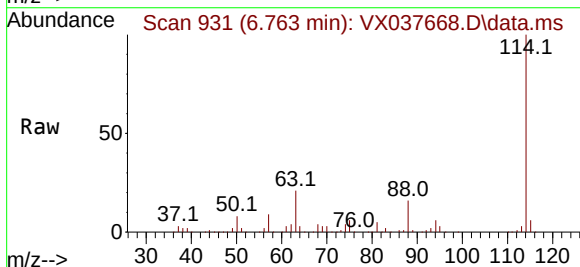
Tgt Ion: 114 Resp: 381012

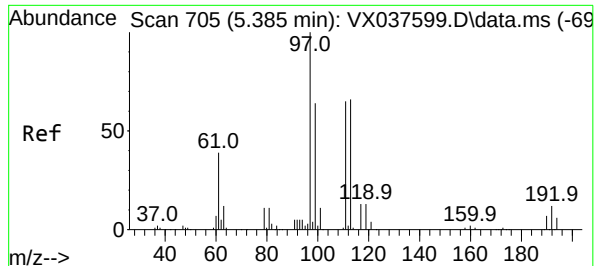
Ion Ratio Lower Upper

114 100

63 20.6 0.0 45.0

88 15.8 0.0 36.6





#35

Dibromofluoromethane

Concen: 45.817 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX037668.D

Acq: 12 Sep 2023 15:00

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)

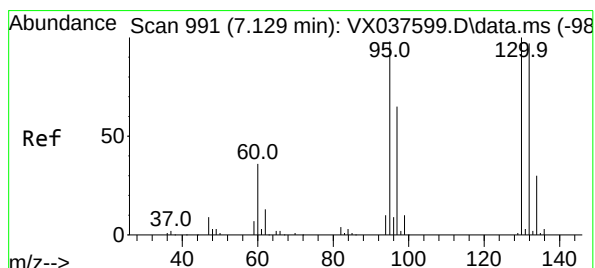
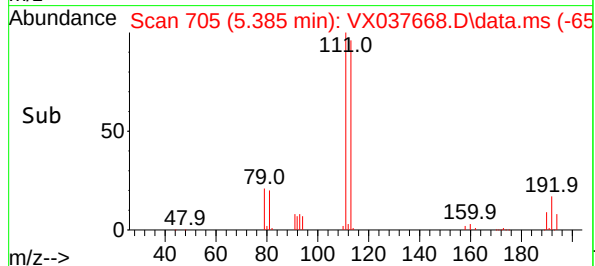
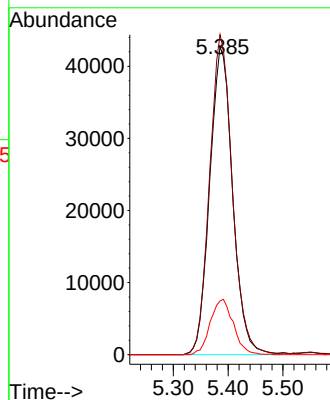
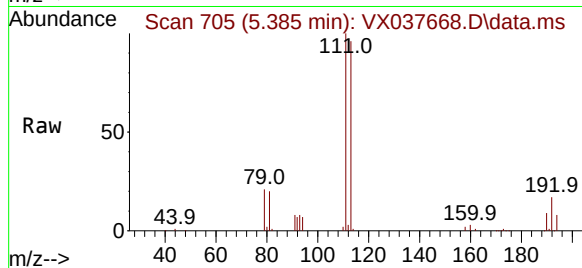
Tgt Ion:113 Resp: 123736

Ion Ratio Lower Upper

113 100

111 103.2 82.9 124.3

192 18.2 13.3 19.9



#44

Trichloroethene

Concen: 16.628 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX037668.D

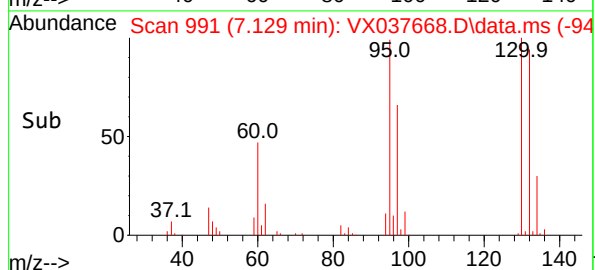
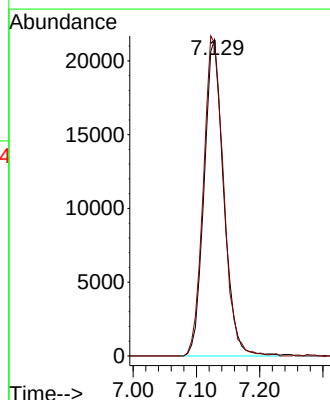
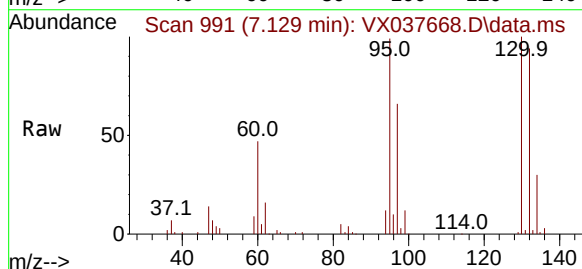
Acq: 12 Sep 2023 15:00

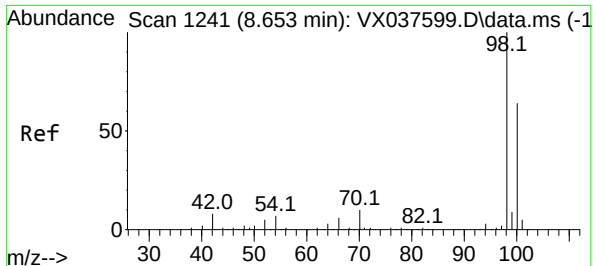
Tgt Ion:130 Resp: 46270

Ion Ratio Lower Upper

130 100

95 98.9 0.0 204.4





#50

Toluene-d8

Concen: 45.875 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX037668.D

Acq: 12 Sep 2023 15:00

Instrument :

MSVOA_X

ClientSampleId :

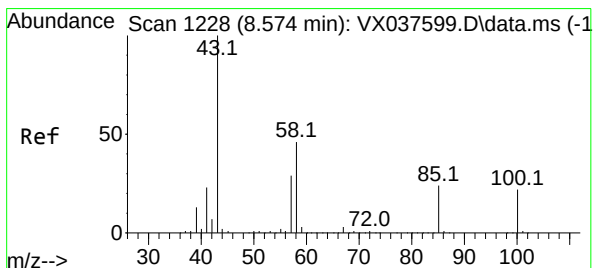
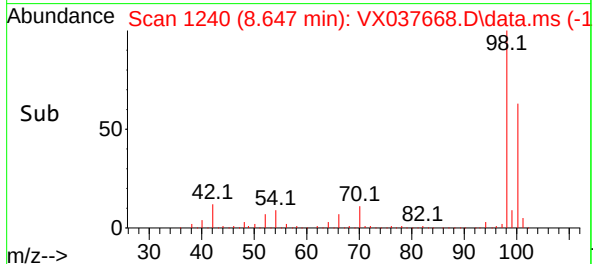
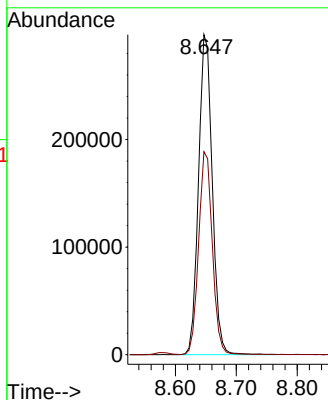
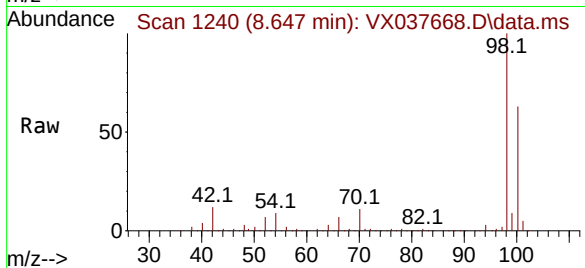
1042-MW-02(23.8)

Tgt Ion: 98 Resp: 467256

Ion Ratio Lower Upper

98 100

100 63.1 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 4.609 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX037668.D

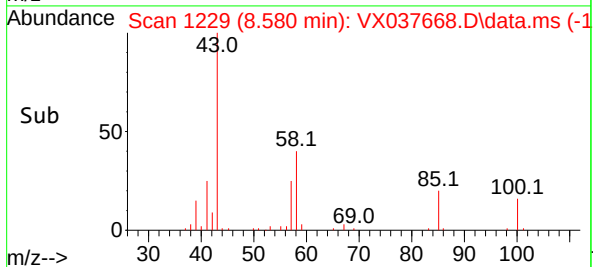
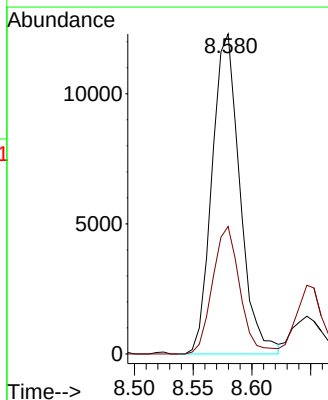
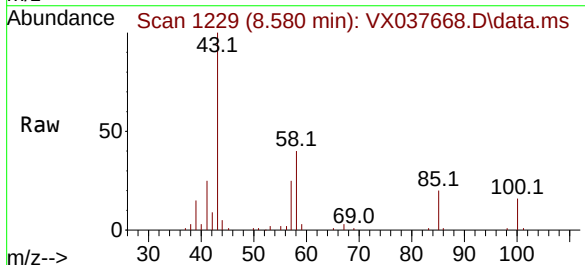
Acq: 12 Sep 2023 15:00

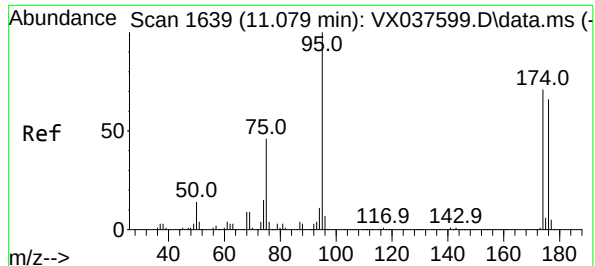
Tgt Ion: 43 Resp: 20295

Ion Ratio Lower Upper

43 100

58 39.2 30.4 45.6

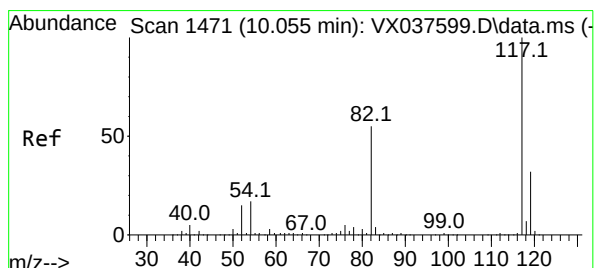
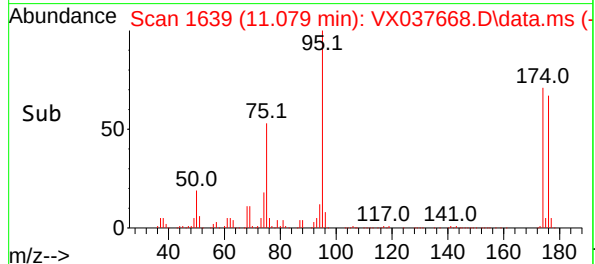
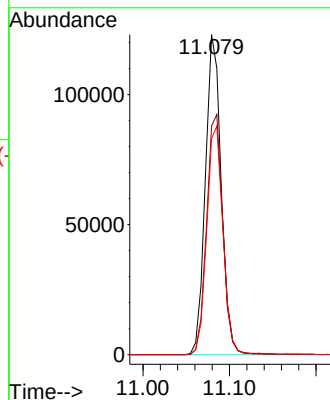
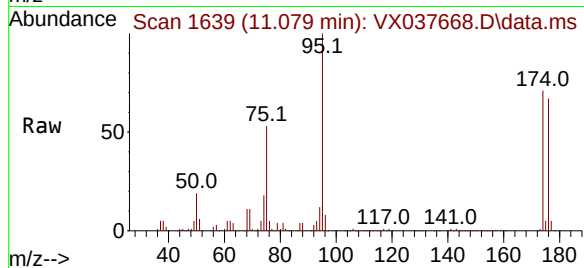




#62
4-Bromofluorobenzene
Concen: 42.393 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

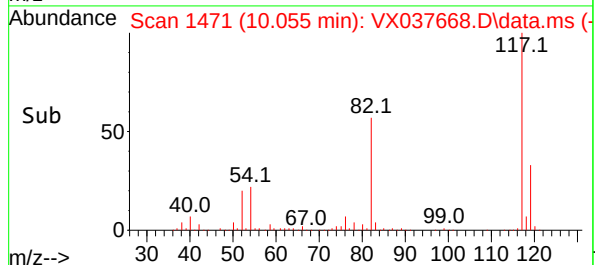
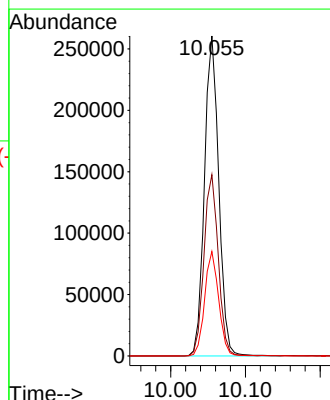
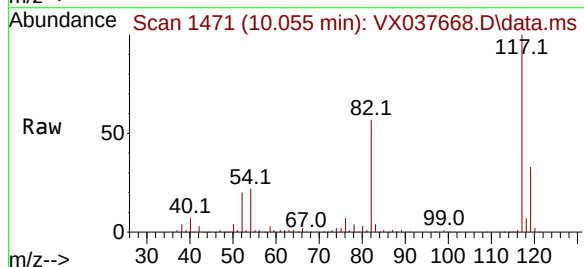
Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)

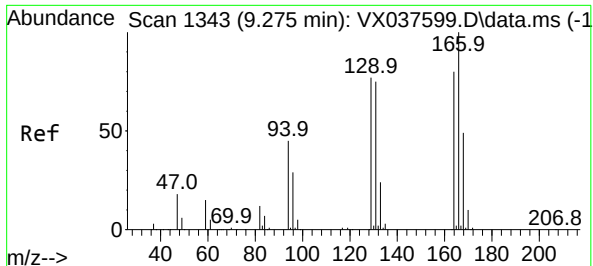
Tgt Ion: 95 Resp: 155776
Ion Ratio Lower Upper
95 100
174 77.5 0.0 135.6
176 73.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

Tgt Ion: 117 Resp: 345749
Ion Ratio Lower Upper
117 100
82 56.7 46.2 69.4
119 32.6 25.5 38.3

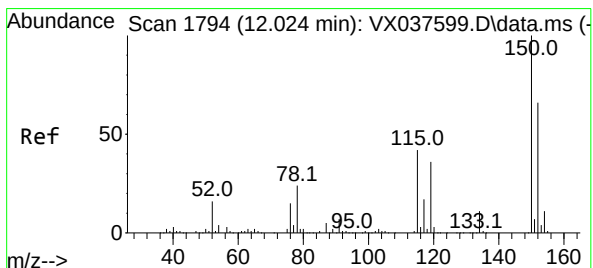
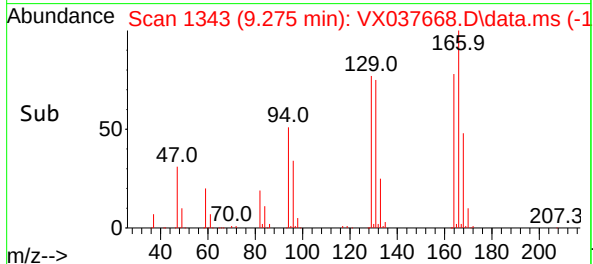
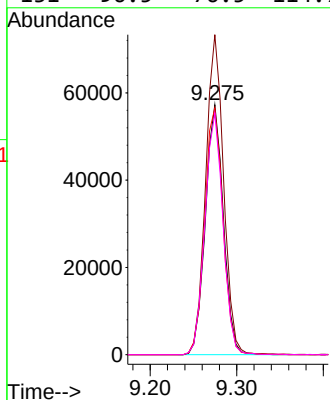
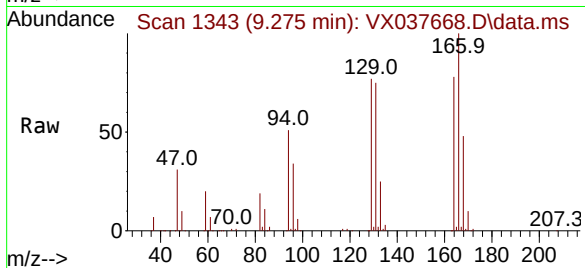




#64
Tetrachloroethene
Concen: 37.012 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

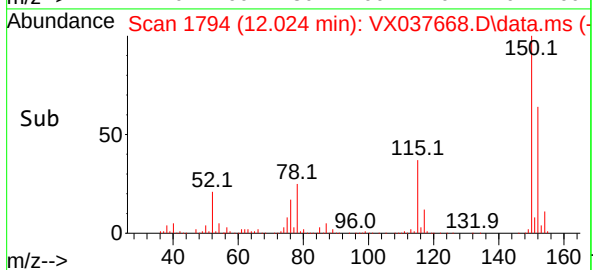
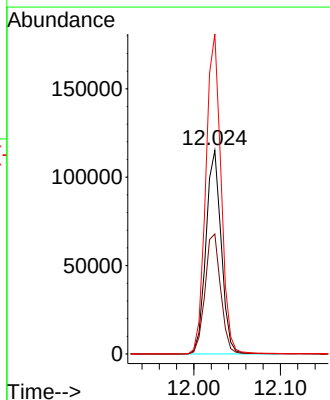
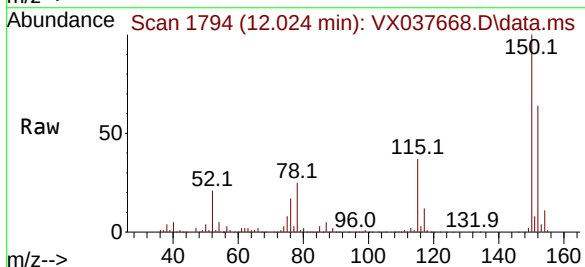
Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)

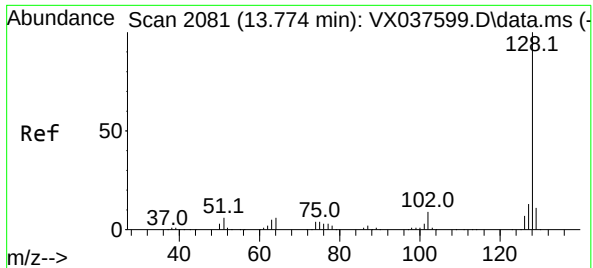
Tgt Ion:164 Resp: 82911
Ion Ratio Lower Upper
164 100
166 128.0 102.7 154.1
129 98.7 80.4 120.6
131 96.5 76.5 114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037668.D
Acq: 12 Sep 2023 15:00

Tgt Ion:152 Resp: 141321
Ion Ratio Lower Upper
152 100
115 60.7 43.3 129.9
150 157.0 0.0 345.0





#95

Naphthalene

Concen: 0.272 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX037668.D

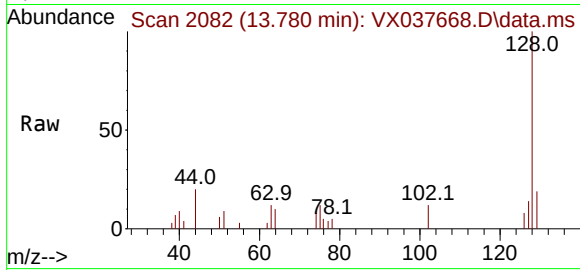
Acq: 12 Sep 2023 15:00

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)



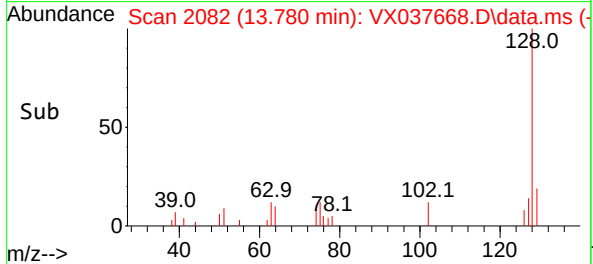
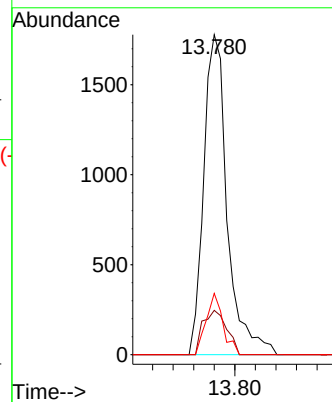
Tgt Ion:128 Resp: 2823

Ion Ratio Lower Upper

128 100

127 14.1 10.3 15.5

129 13.8 8.8 13.2#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037668.D
Acq On : 12 Sep 2023 15:00
Operator : JC/MD
Sample : 04373-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1042-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_X\Method\82X091123W.M

Title : SW846 8260

Signal : TIC: VX037668.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.374	43	47	52	rBV2	9984	12999	1.06%	0.166%
2	1.569	67	79	80	rBV5	15064	41014	3.34%	0.525%
3	1.630	86	89	94	rVB2	15532	18760	1.53%	0.240%
4	2.386	207	213	220	rBV	11696	19445	1.58%	0.249%
5	4.489	548	558	568	rBV	123334	340338	27.73%	4.355%
6	4.574	568	572	582	rVB2	4989	13992	1.14%	0.179%
7	5.385	693	705	721	rBV	142124	416150	33.91%	5.325%
8	5.550	721	732	751	rVB	232212	657967	53.61%	8.419%
9	5.958	788	799	812	rBV	163792	443465	36.13%	5.674%
10	6.763	921	931	942	rBV	367299	889335	72.46%	11.379%
11	7.129	982	991	1002	rBV	121289	268867	21.91%	3.440%
12	8.580	1221	1229	1234	rBV	34161	55634	4.53%	0.712%
13	8.647	1234	1240	1257	rVB	776246	1227320	100.00%	15.704%
14	9.275	1336	1343	1357	rBV	466450	685067	55.82%	8.766%
15	10.055	1465	1471	1486	rBV	795609	1063392	86.64%	13.607%
16	11.079	1634	1639	1649	rBV	596286	767933	62.57%	9.826%
17	12.024	1788	1794	1810	rBV	697940	893592	72.81%	11.434%

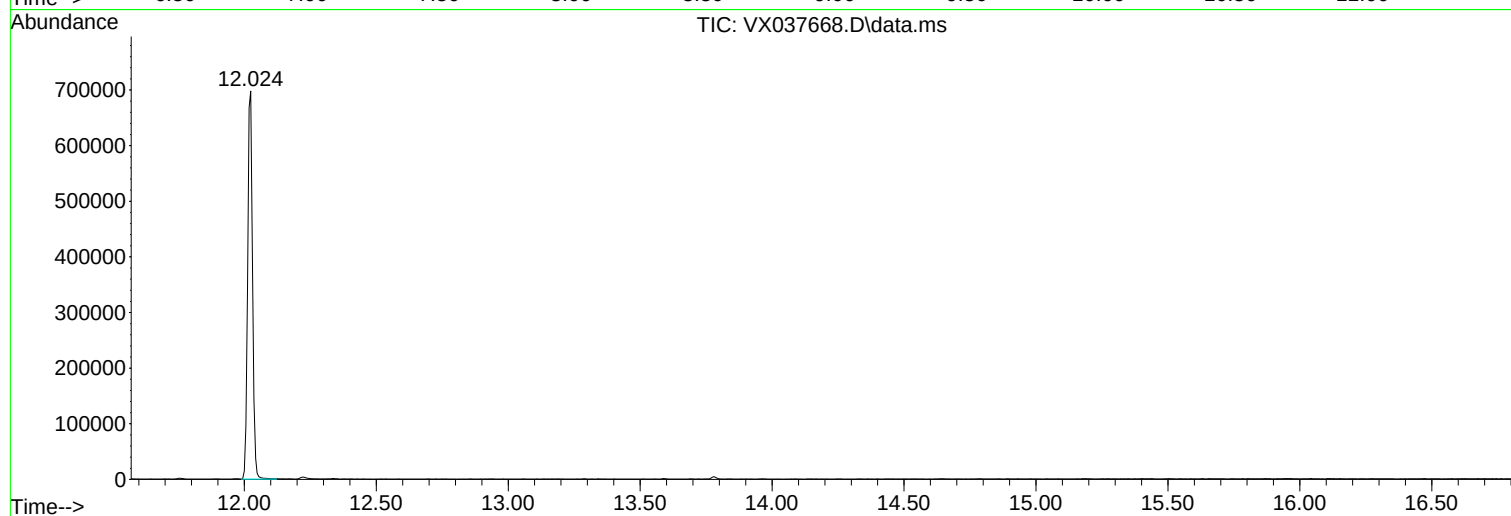
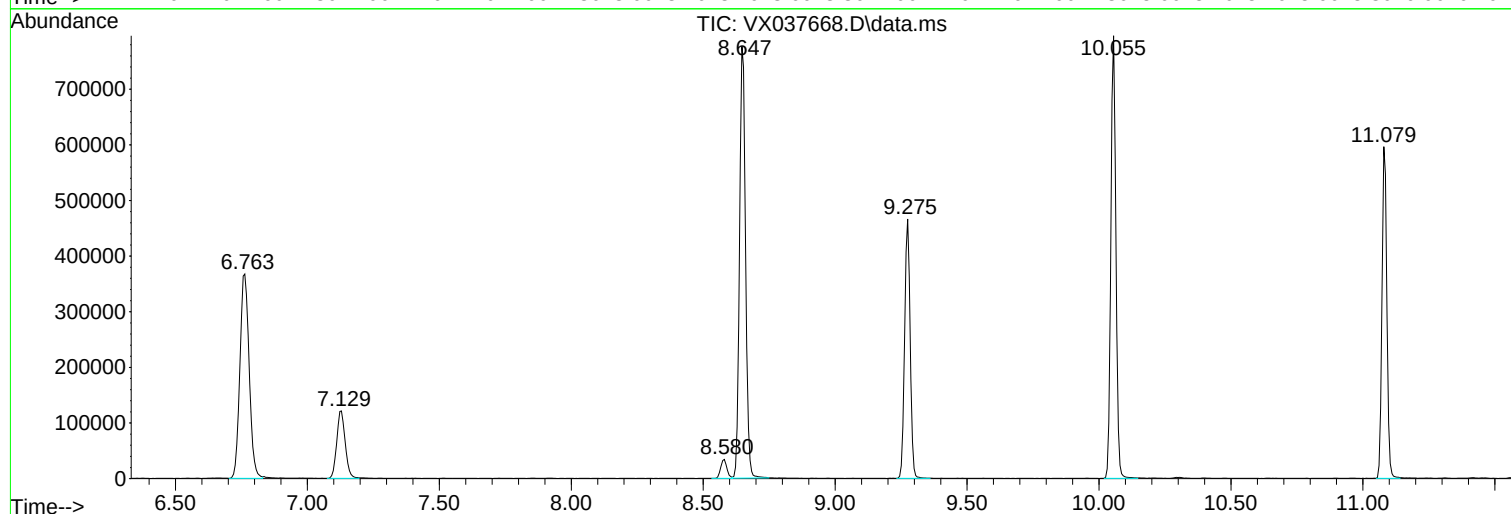
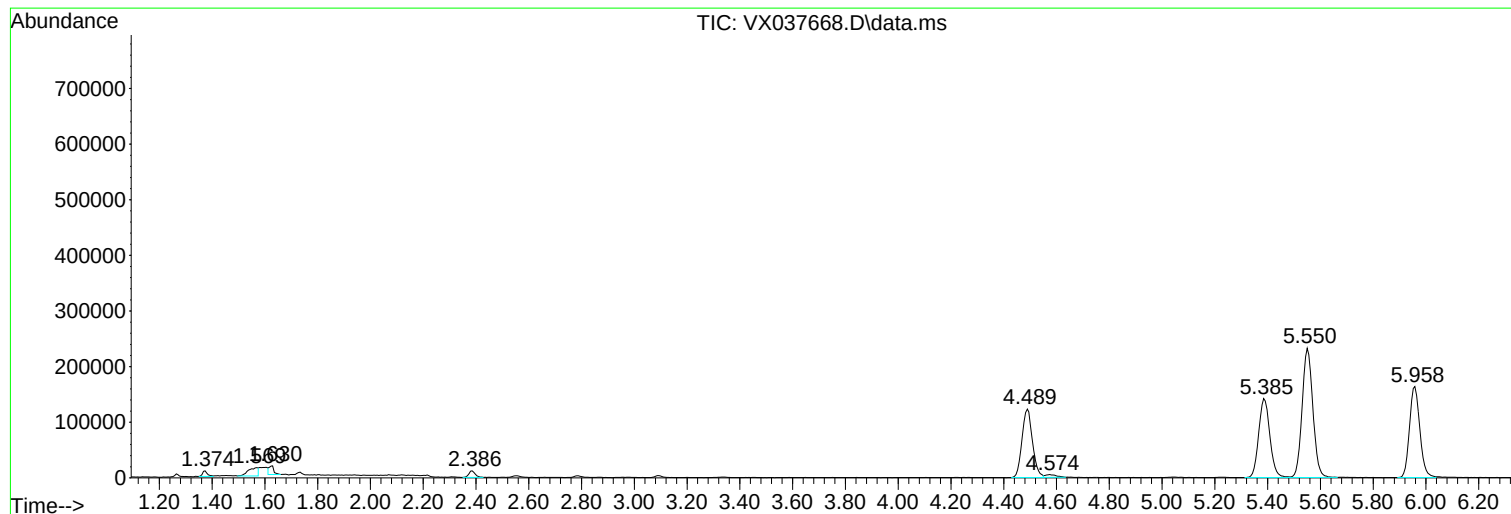
Sum of corrected areas: 7815270

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037668.D
Acq On : 12 Sep 2023 15:00
Operator : JC/MD
Sample : 04373-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037668.D
Acq On : 12 Sep 2023 15:00
Operator : JC/MD
Sample : 04373-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.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_X\Data\VX091223\
Data File : VX037668.D
Acq On : 12 Sep 2023 15:00
Operator : JC/MD
Sample : 04373-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.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



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1043-MW-03A(17)	SDG No.:	O4373
Lab Sample ID:	O4373-03	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037669.D	1		09/12/23 15:24	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	12.8		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.50		0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	3.10	J	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	68.4		0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	110		0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.10	J	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1043-MW-03A(17)	SDG No.:	O4373
Lab Sample ID:	O4373-03	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037669.D	1		09/12/23 15:24	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	310	E	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	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	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	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	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.5		74 - 125	93%	SPK: 50
1868-53-7	Dibromofluoromethane	45.8		75 - 124	92%	SPK: 50
2037-26-5	Toluene-d8	46.1		86 - 113	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.6		64 - 133	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	211000	5.55			
540-36-3	1,4-Difluorobenzene	376000	6.763			
3114-55-4	Chlorobenzene-d5	348000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	139000	12.024			



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1043-MW-03A(17)	SDG No.:	O4373
Lab Sample ID:	O4373-03	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037669.D	1		09/12/23 15:24	VX091223

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_X\Data\VX091223\
 Data File : VX037669.D
 Acq On : 12 Sep 2023 15:24
 Operator : JC/MD
 Sample : 04373-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1043-MW-03A(17)

Quant Time: Sep 13 01:45:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

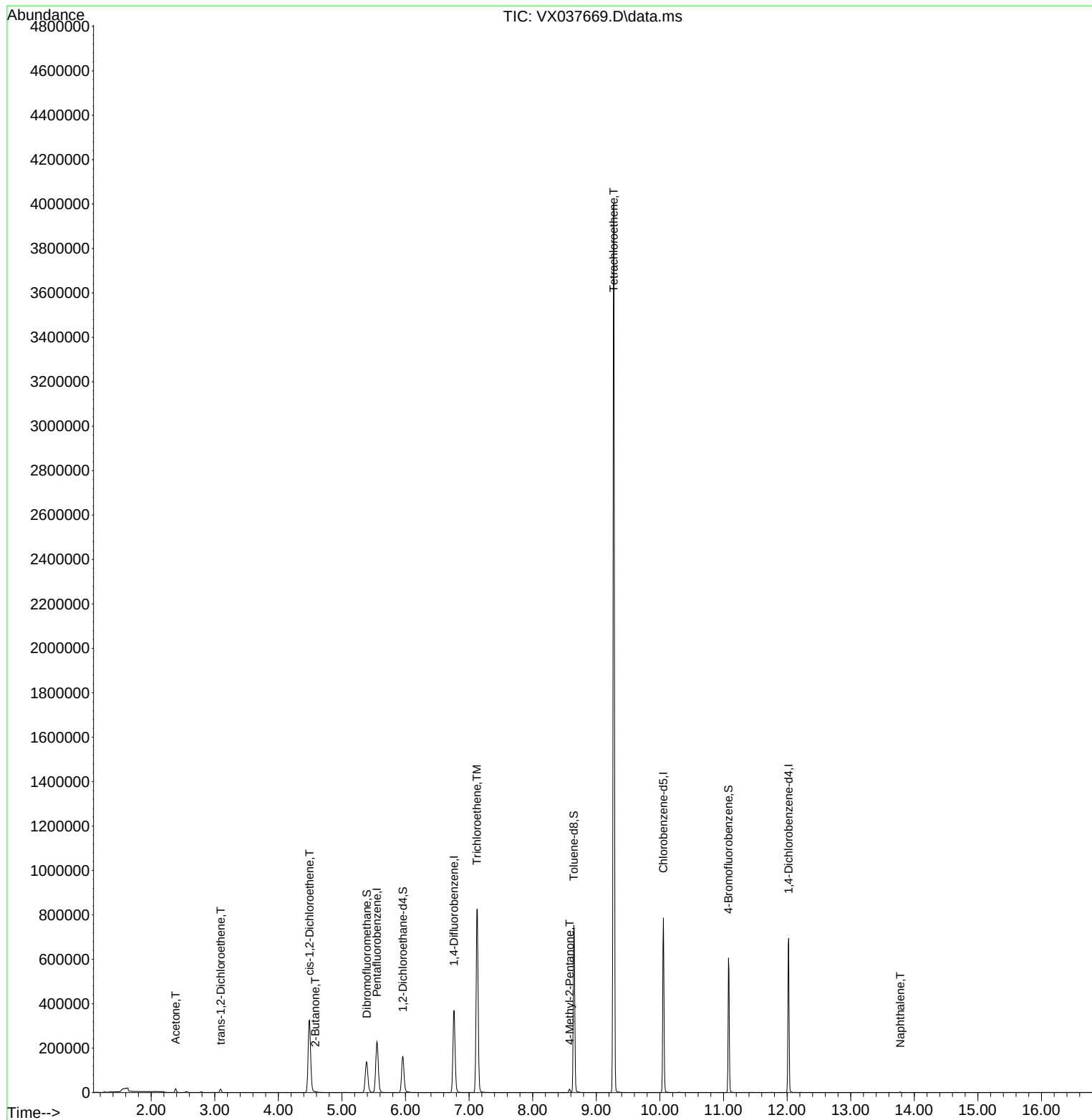
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	210624	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	375968	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	348424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	139132	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	158489	46.508	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.020%
35) Dibromofluoromethane	5.391	113	122070	45.807	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.620%
50) Toluene-d8	8.647	98	462839	46.051	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.100%
62) 4-Bromofluorobenzene	11.079	95	154402	42.582	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.160%
Target Compounds						
					Qvalue	
16) Acetone	2.386	43	17593	12.770	ug/l #	88
21) trans-1,2-Dichloroethene	3.093	96	6345	2.545	ug/l	90
25) 2-Butanone	4.580	43	7053	3.140	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	207919	68.390	ug/l	84
44) Trichloroethene	7.123	130	310884	113.219	ug/l	99
51) 4-Methyl-2-Pentanone	8.580	43	9208	2.119	ug/l	98
64) Tetrachloroethene	9.275	164	698918	309.604	ug/l	98
95) Naphthalene	13.780	128	2348	0.230	ug/l	98

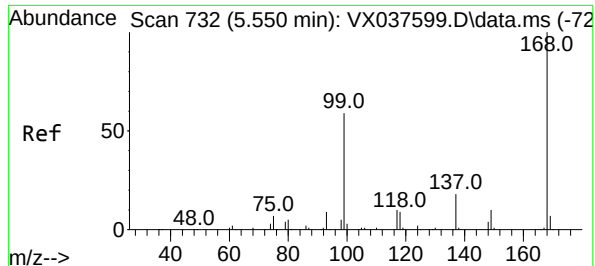
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037669.D
Acq On : 12 Sep 2023 15:24
Operator : JC/MD
Sample : 04373-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1043-MW-03A(17)

Quant Time: Sep 13 01:45:47 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.000 min

Lab File: VX037669.D

Acq: 12 Sep 2023 15:24

Instrument :

MSVOA_X

ClientSampleId :

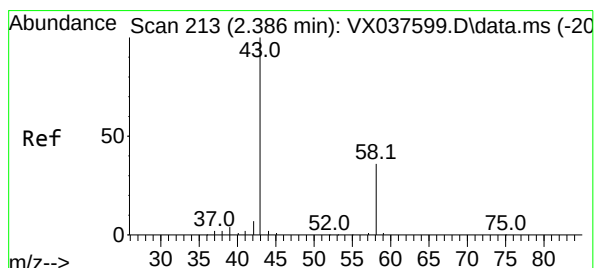
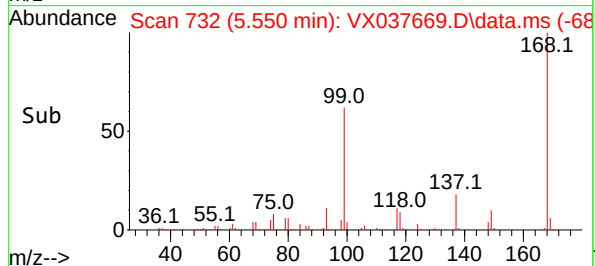
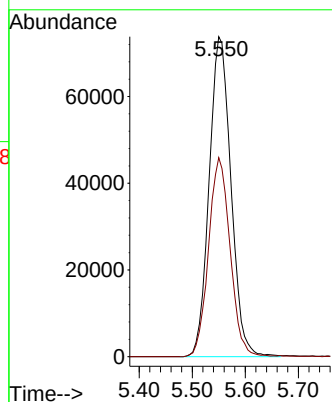
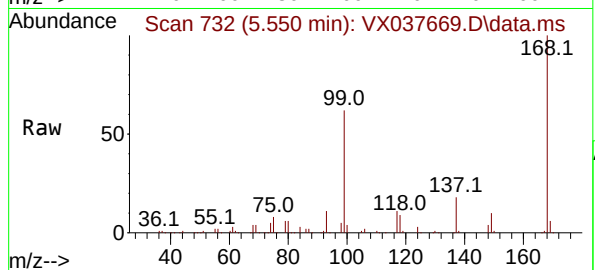
1043-MW-03A(17)

Tgt Ion:168 Resp: 210624

Ion Ratio Lower Upper

168 100

99 62.2 56.6 85.0



#16

Acetone

Concen: 12.770 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX037669.D

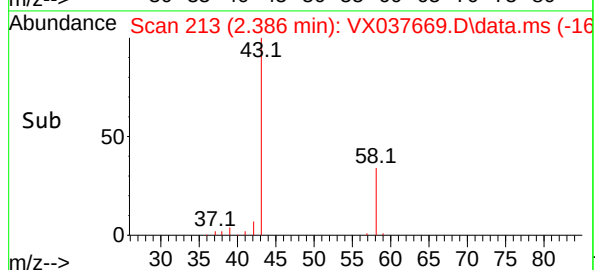
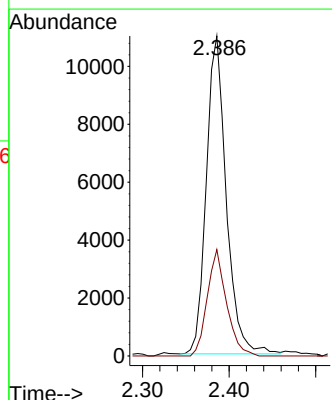
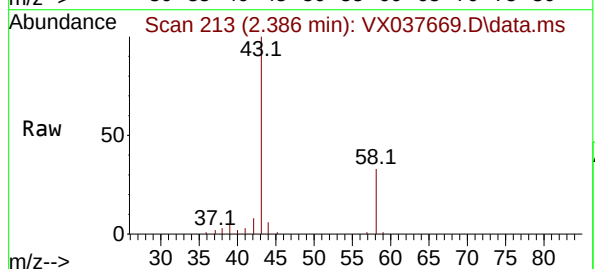
Acq: 12 Sep 2023 15:24

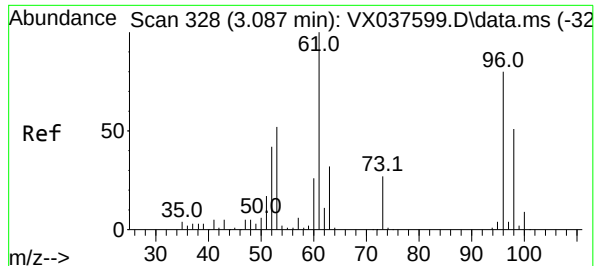
Tgt Ion: 43 Resp: 17593

Ion Ratio Lower Upper

43 100

58 33.5 21.9 32.9#





#21

trans-1,2-Dichloroethene

Concen: 2.545 ug/l

RT: 3.093 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX037669.D

Acq: 12 Sep 2023 15:24

Instrument :

MSVOA_X

ClientSampleId :

1043-MW-03A(17)

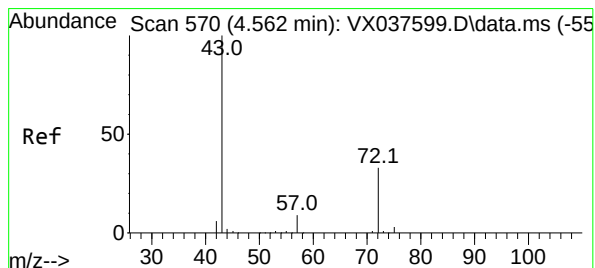
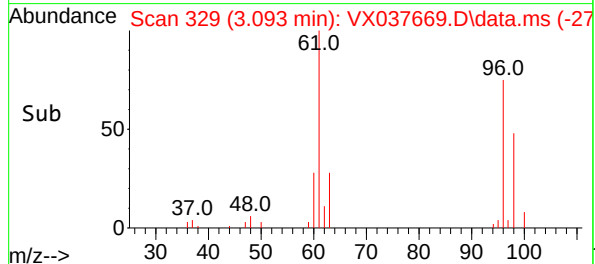
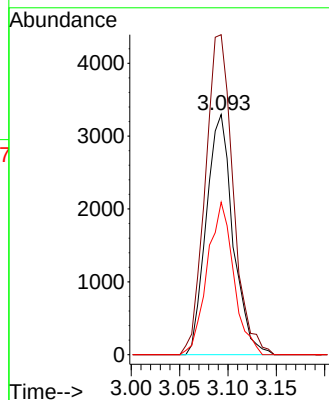
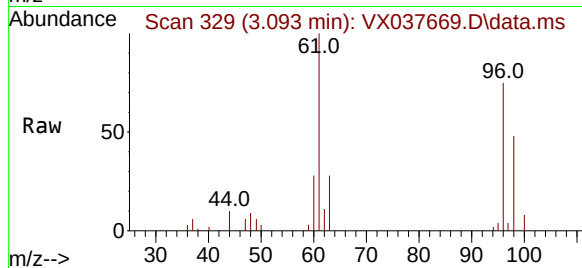
Tgt Ion: 96 Resp: 6345

Ion Ratio Lower Upper

96 100

61 133.3 119.2 178.8

98 63.5 48.7 73.1



#25

2-Butanone

Concen: 3.140 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.018 min

Lab File: VX037669.D

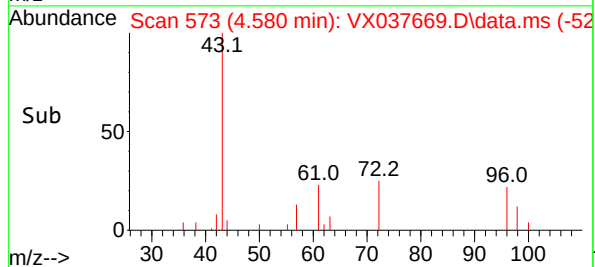
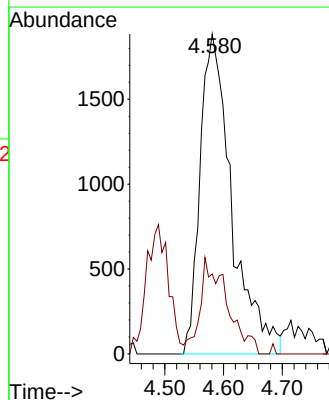
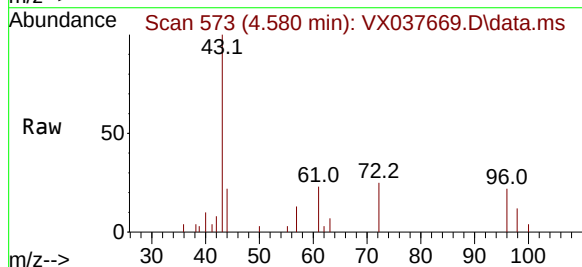
Acq: 12 Sep 2023 15:24

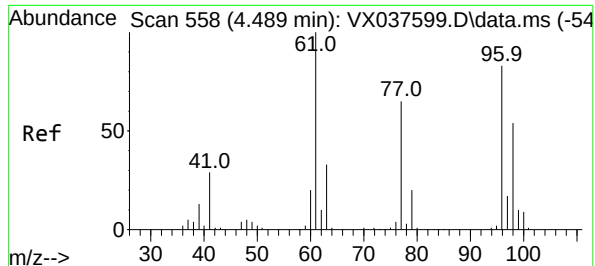
Tgt Ion: 43 Resp: 7053

Ion Ratio Lower Upper

43 100

72 25.0 19.4 29.2





#27

cis-1,2-Dichloroethene

Concen: 68.390 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX037669.D

Acq: 12 Sep 2023 15:24

Instrument :

MSVOA_X

ClientSampleId :

1043-MW-03A(17)

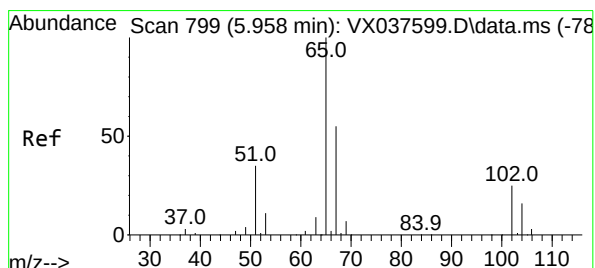
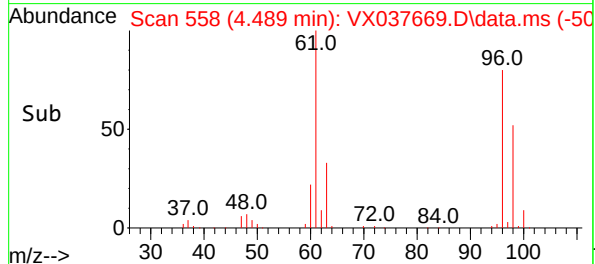
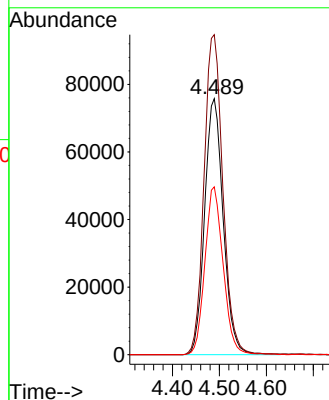
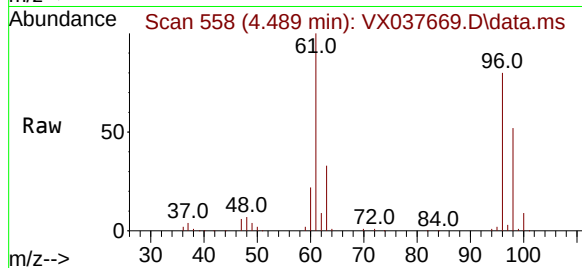
Tgt Ion: 96 Resp: 207919

Ion Ratio Lower Upper

96 100

61 126.4 0.0 312.2

98 64.1 0.0 129.0



#33

1,2-Dichloroethane-d4

Concen: 46.508 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037669.D

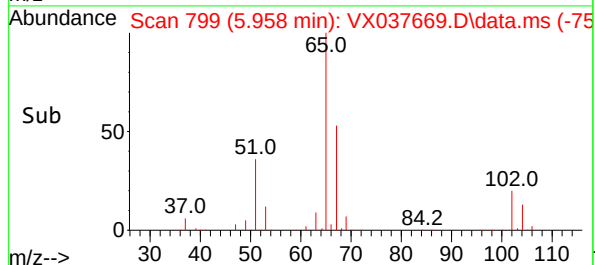
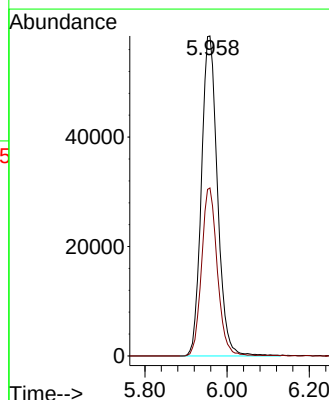
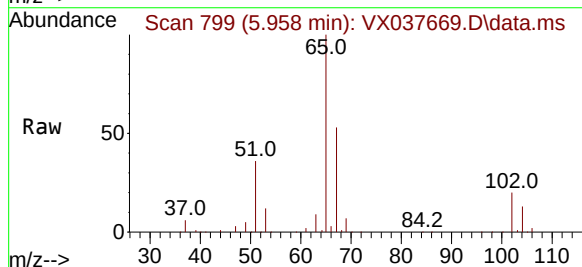
Acq: 12 Sep 2023 15:24

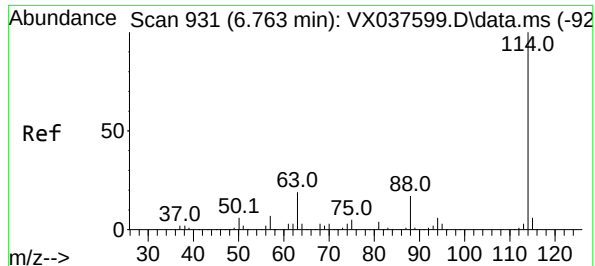
Tgt Ion: 65 Resp: 158489

Ion Ratio Lower Upper

65 100

67 51.7 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX037669.D

Acq: 12 Sep 2023 15:24

Instrument :

MSVOA_X

ClientSampleId :

1043-MW-03A(17)

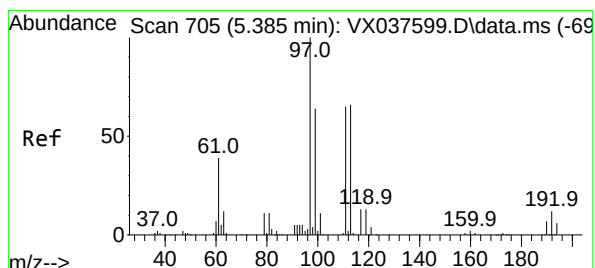
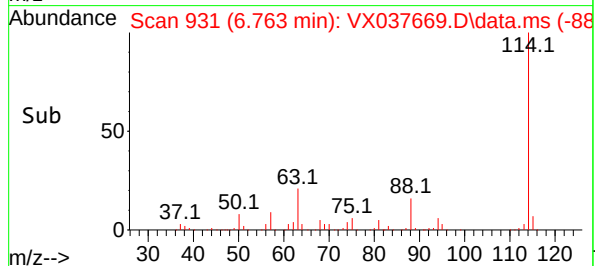
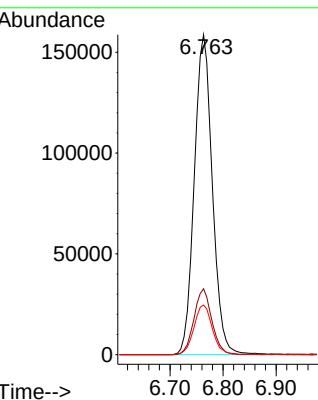
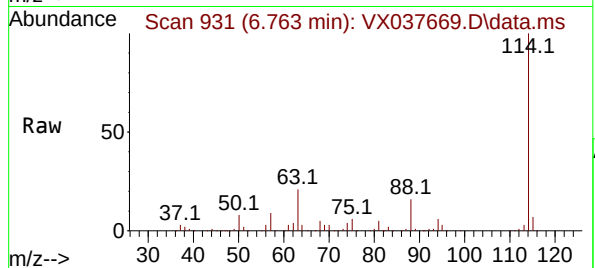
Tgt Ion:114 Resp: 375968

Ion Ratio Lower Upper

114 100

63 20.6 0.0 45.0

88 15.5 0.0 36.6



#35

Dibromofluoromethane

Concen: 45.807 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX037669.D

Acq: 12 Sep 2023 15:24

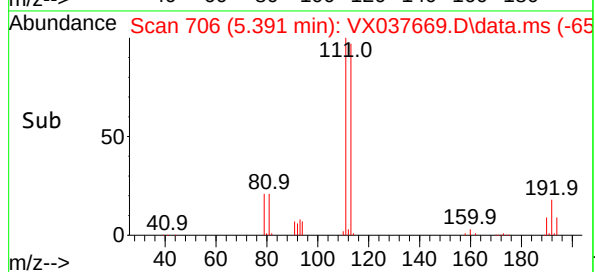
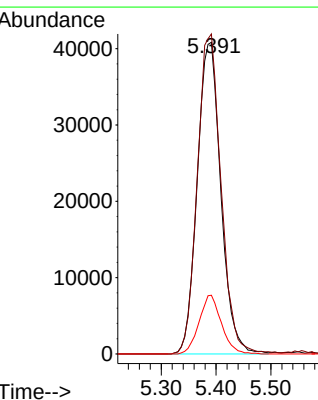
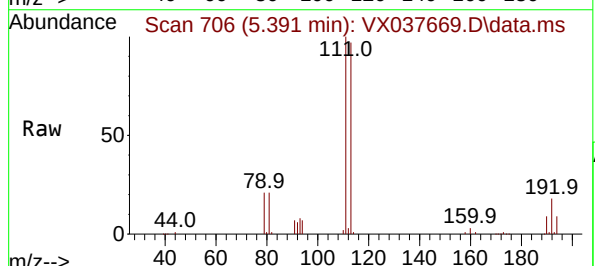
Tgt Ion:113 Resp: 122070

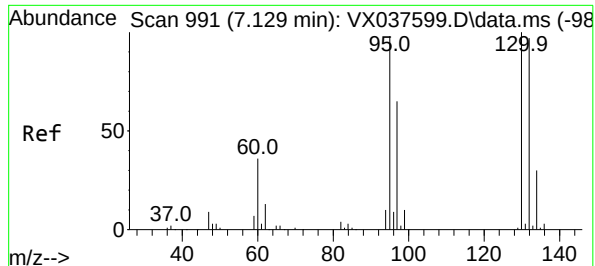
Ion Ratio Lower Upper

113 100

111 103.2 82.9 124.3

192 17.9 13.3 19.9





#44

Trichloroethene

Concen: 113.219 ug/l

RT: 7.123 min Scan# 991

Delta R.T. -0.006 min

Lab File: VX037669.D

Acq: 12 Sep 2023 15:24

Instrument :

MSVOA_X

ClientSampleId :

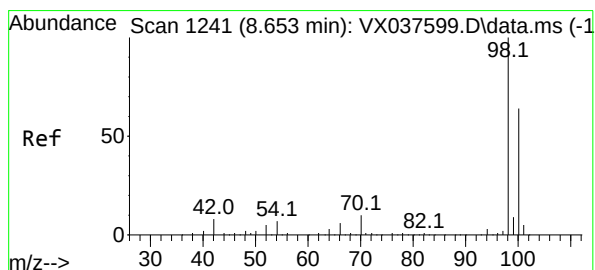
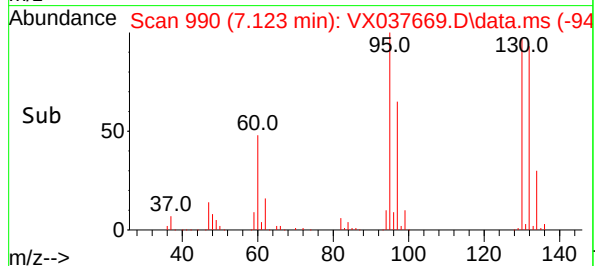
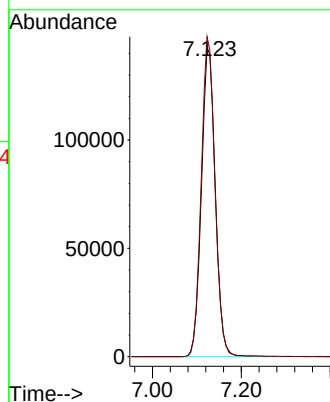
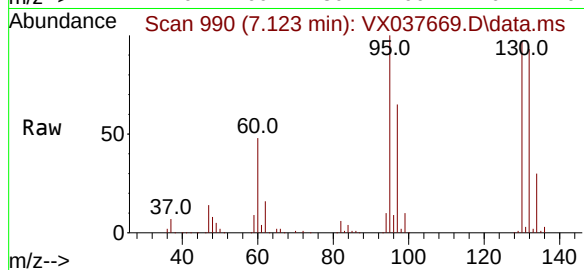
1043-MW-03A(17)

Tgt Ion:130 Resp: 310884

Ion Ratio Lower Upper

130 100

95 103.5 0.0 204.4



#50

Toluene-d8

Concen: 46.051 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX037669.D

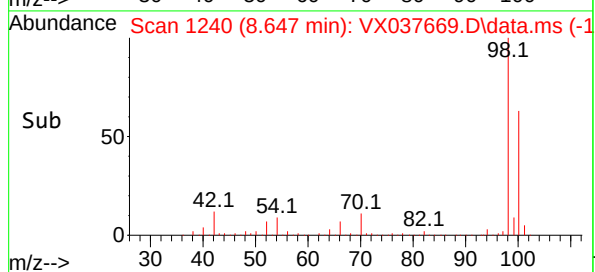
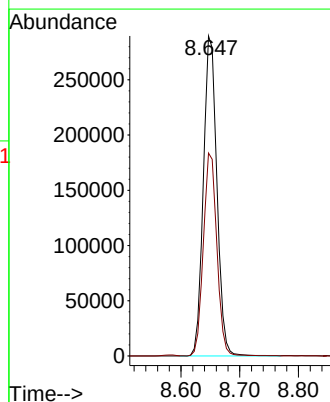
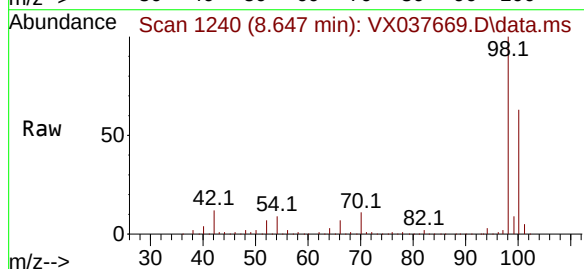
Acq: 12 Sep 2023 15:24

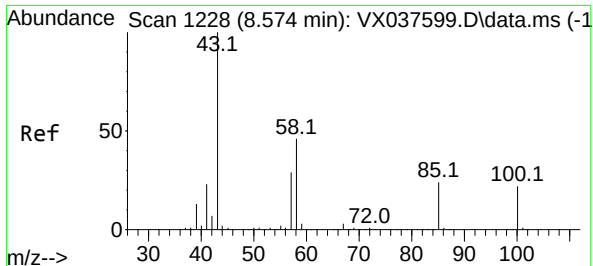
Tgt Ion: 98 Resp: 462839

Ion Ratio Lower Upper

98 100

100 63.2 53.1 79.7

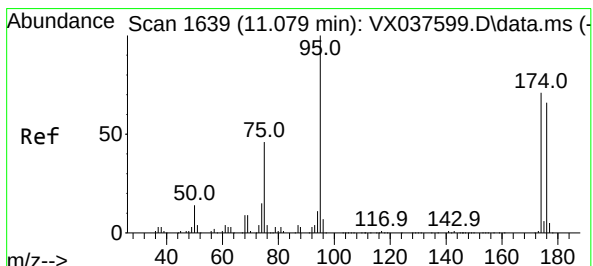
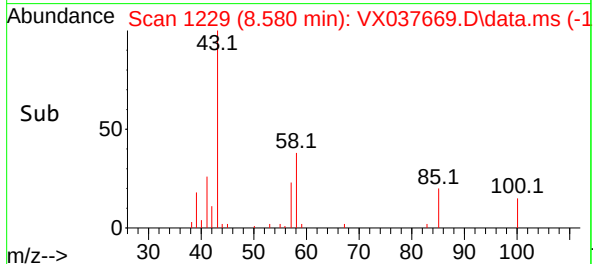
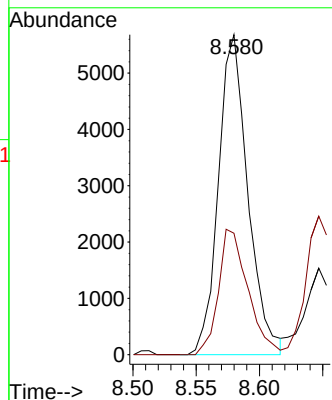
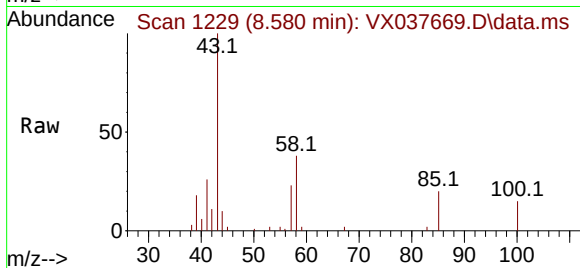




#51
4-Methyl-2-Pentanone
Concen: 2.119 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037669.D
Acq: 12 Sep 2023 15:24

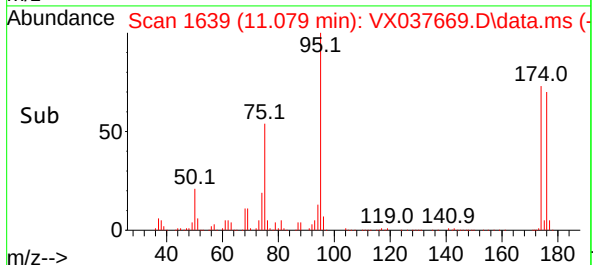
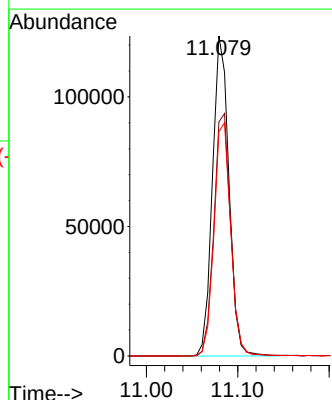
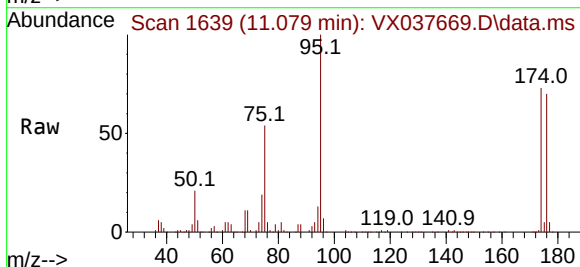
Instrument :
MSVOA_X
ClientSampleId :
1043-MW-03A(17)

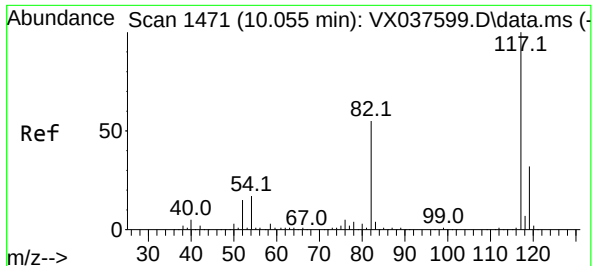
Tgt Ion: 43 Resp: 9208
Ion Ratio Lower Upper
43 100
58 39.1 30.4 45.6



#62
4-Bromofluorobenzene
Concen: 42.582 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037669.D
Acq: 12 Sep 2023 15:24

Tgt Ion: 95 Resp: 154402
Ion Ratio Lower Upper
95 100
174 77.6 0.0 135.6
176 74.0 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX037669.D

Acq: 12 Sep 2023 15:24

Instrument :

MSVOA_X

ClientSampleId :

1043-MW-03A(17)

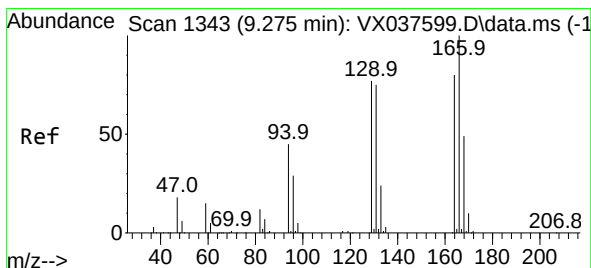
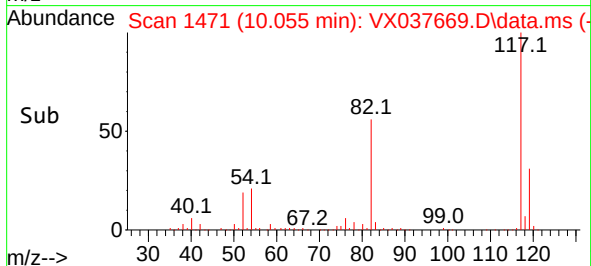
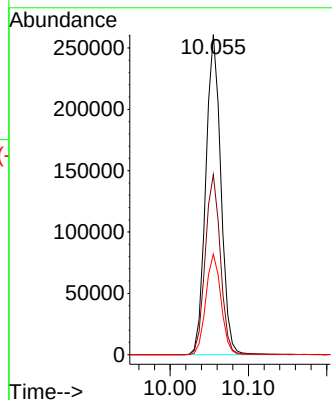
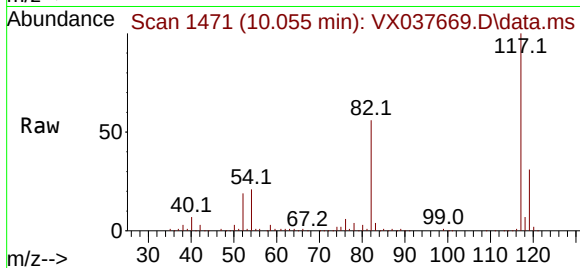
Tgt Ion:117 Resp: 348424

Ion Ratio Lower Upper

117 100

82 56.3 46.2 69.4

119 31.4 25.5 38.3



#64

Tetrachloroethene

Concen: 309.604 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VX037669.D

Acq: 12 Sep 2023 15:24

Tgt Ion:164 Resp: 698918

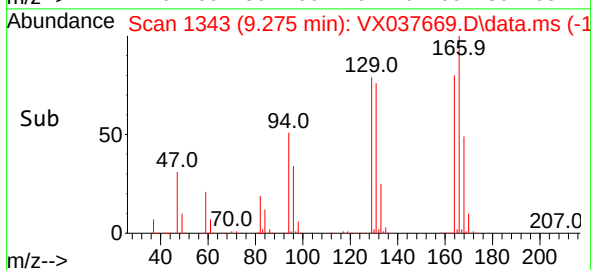
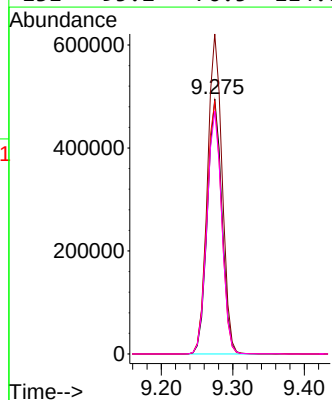
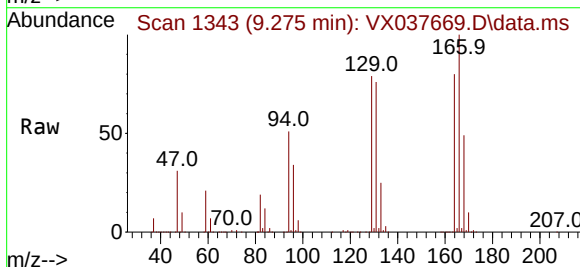
Ion Ratio Lower Upper

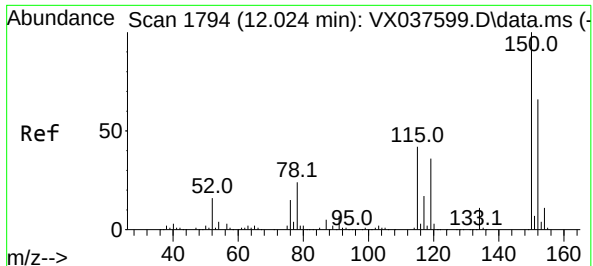
164 100

166 125.5 102.7 154.1

129 98.9 80.4 120.6

131 95.2 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037669.D

Acq: 12 Sep 2023 15:24

Instrument :

MSVOA_X

ClientSampleId :

1043-MW-03A(17)

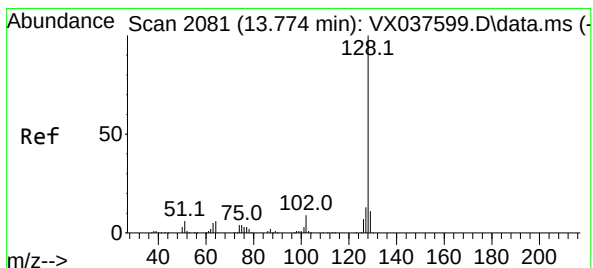
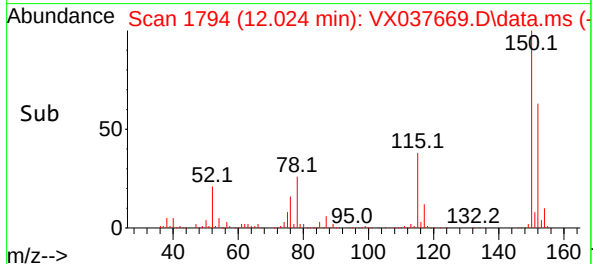
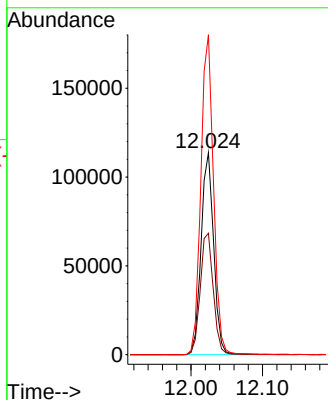
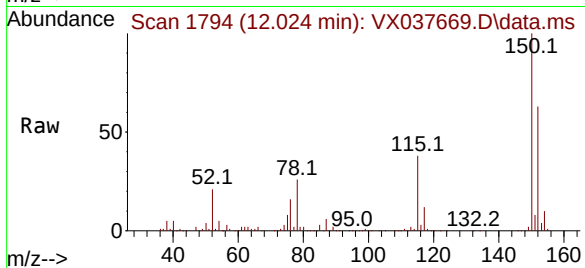
Tgt Ion:152 Resp: 139132

Ion Ratio Lower Upper

152 100

115 62.4 43.3 129.9

150 158.6 0.0 345.0



#95

Naphthalene

Concen: 0.230 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX037669.D

Acq: 12 Sep 2023 15:24

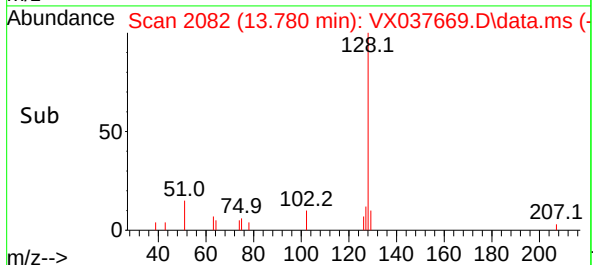
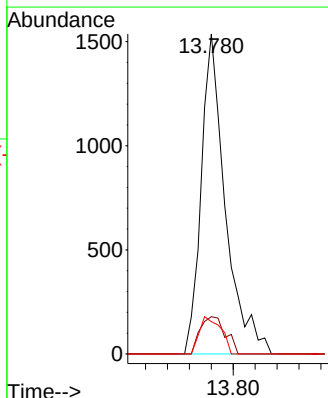
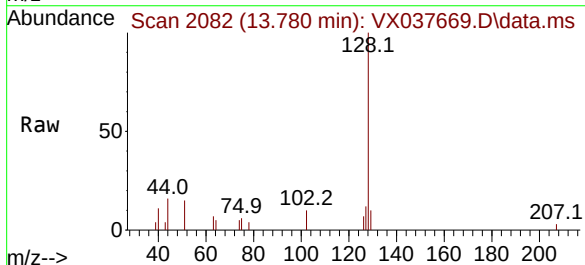
Tgt Ion:128 Resp: 2348

Ion Ratio Lower Upper

128 100

127 12.2 10.3 15.5

129 10.3 8.8 13.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037669.D
Acq On : 12 Sep 2023 15:24
Operator : JC/MD
Sample : 04373-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1043-MW-03A(17)

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Title : SW846 8260

Signal : TIC: VX037669.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.489	547	558	584	rBV	325598	908846	15.85%	6.170%
2	5.385	688	705	720	rBV	137884	408251	7.12%	2.771%
3	5.550	722	732	746	rVV	227842	641851	11.20%	4.357%
4	5.958	789	799	810	rBV	161969	435407	7.60%	2.956%
5	6.763	921	931	949	rBV	369927	881660	15.38%	5.985%
6	7.129	981	991	1011	rBV	824740	1808000	31.54%	12.274%
7	8.647	1234	1240	1258	rVB	752897	1208150	21.08%	8.202%
8	9.275	1336	1343	1357	rBV	4004408	5732456	100.00%	38.915%
9	10.055	1465	1471	1490	rBV	786058	1061042	18.51%	7.203%
10	11.079	1634	1639	1651	rBV	605559	763677	13.32%	5.184%
11	12.024	1788	1794	1807	rBV	693929	881311	15.37%	5.983%

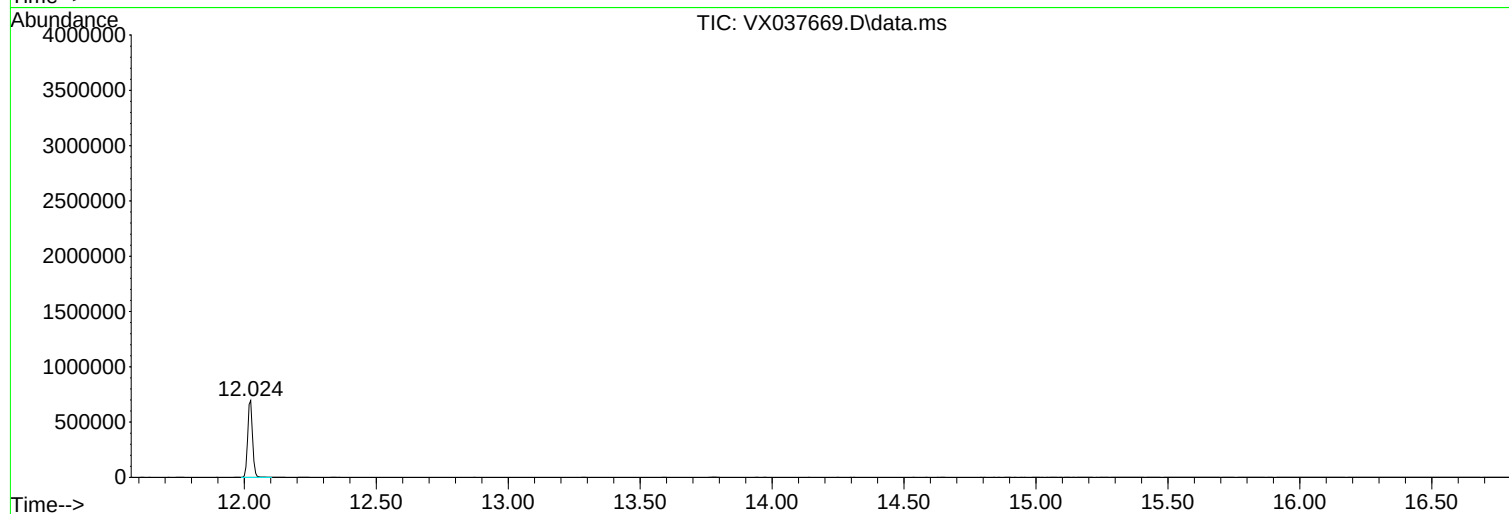
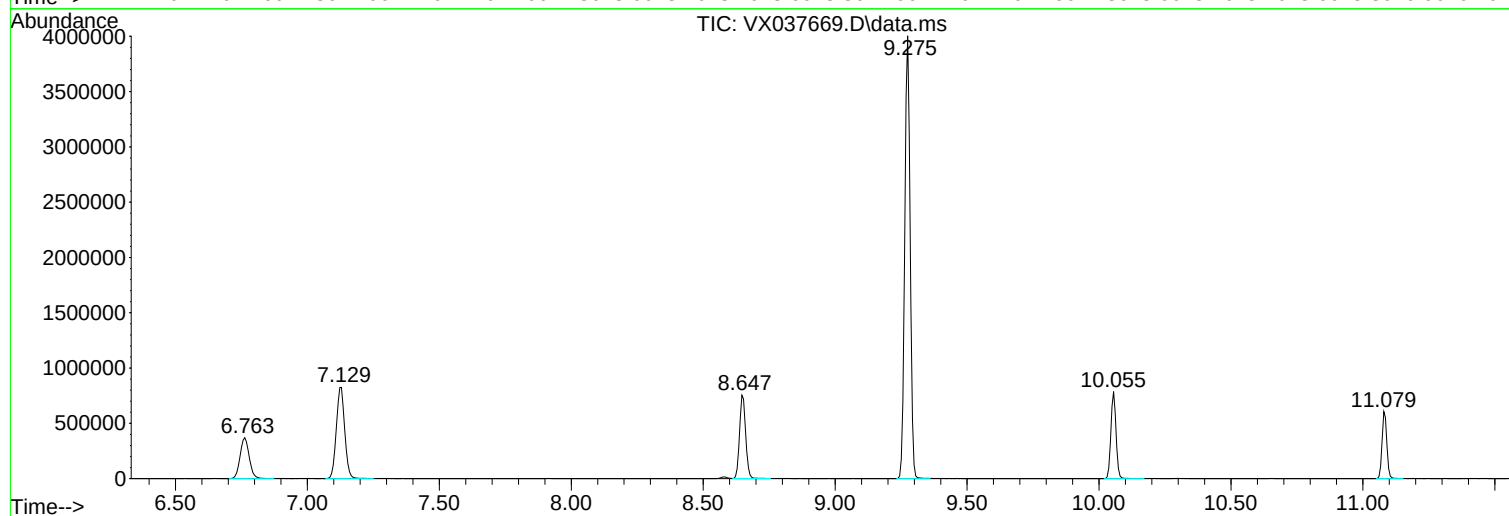
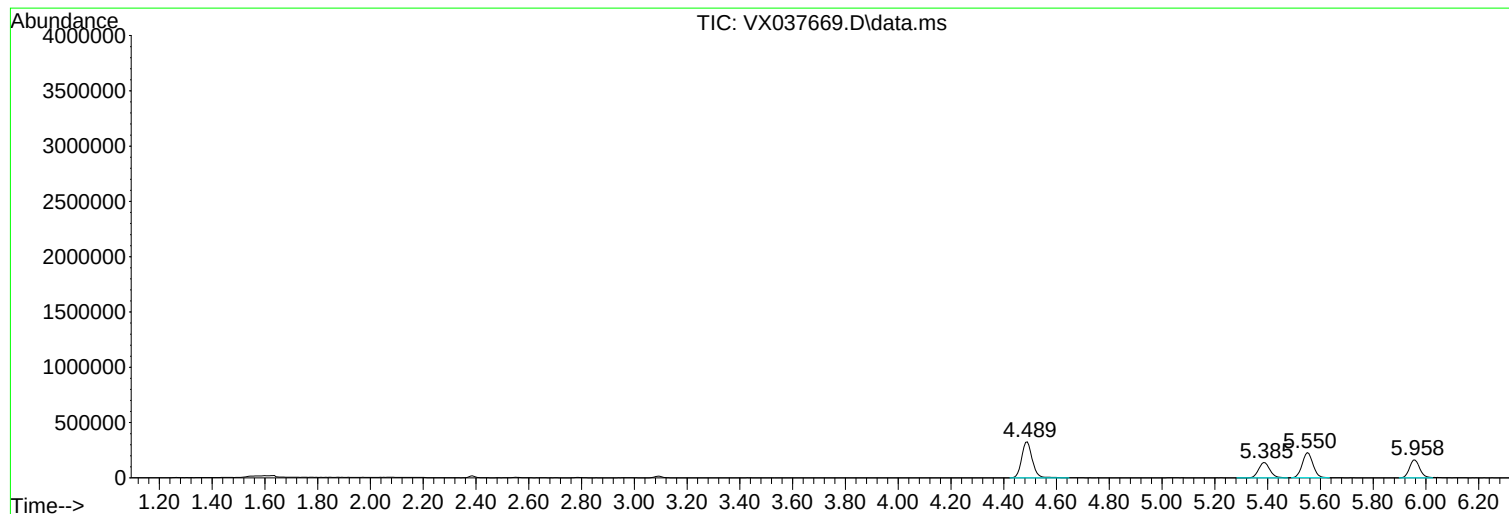
Sum of corrected areas: 14730651

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037669.D
Acq On : 12 Sep 2023 15:24
Operator : JC/MD
Sample : 04373-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1043-MW-03A(17)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037669.D
Acq On : 12 Sep 2023 15:24
Operator : JC/MD
Sample : 04373-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1043-MW-03A(17)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.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_X\Data\VX091223\
Data File : VX037669.D
Acq On : 12 Sep 2023 15:24
Operator : JC/MD
Sample : 04373-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1043-MW-03A(17)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.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



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1043-MW-03A(17)DL	SDG No.:	O4373
Lab Sample ID:	O4373-03DL	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037689.D	10		09/13/23 12:51	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	10.0	UD	1.40	10.0	ug/L
74-87-3	Chloromethane	10.0	UD	2.50	10.0	ug/L
75-01-4	Vinyl Chloride	10.0	UD	2.50	10.0	ug/L
74-83-9	Bromomethane	50.0	UD	15.5	50.0	ug/L
75-00-3	Chloroethane	10.0	UD	2.80	10.0	ug/L
75-69-4	Trichlorofluoromethane	10.0	UD	1.30	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10.0	UD	2.10	10.0	ug/L
75-35-4	1,1-Dichloroethene	10.0	UD	2.10	10.0	ug/L
67-64-1	Acetone	53.9	D	11.5	50.0	ug/L
75-15-0	Carbon Disulfide	10.0	UD	2.70	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	10.0	UD	1.40	10.0	ug/L
79-20-9	Methyl Acetate	10.0	UD	3.60	10.0	ug/L
75-09-2	Methylene Chloride	10.0	UD	5.00	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	10.0	UD	1.70	10.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	UD	1.60	10.0	ug/L
110-82-7	Cyclohexane	50.0	UD	16.0	50.0	ug/L
78-93-3	2-Butanone	50.0	UD	12.1	50.0	ug/L
56-23-5	Carbon Tetrachloride	10.0	UD	1.30	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	70.9	D	2.00	10.0	ug/L
74-97-5	Bromochloromethane	10.0	UD	1.40	10.0	ug/L
67-66-3	Chloroform	10.0	UD	1.40	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	UD	1.40	10.0	ug/L
108-87-2	Methylcyclohexane	10.0	UD	1.60	10.0	ug/L
71-43-2	Benzene	10.0	UD	1.20	10.0	ug/L
107-06-2	1,2-Dichloroethane	10.0	UD	1.60	10.0	ug/L
79-01-6	Trichloroethene	120	D	2.60	10.0	ug/L
78-87-5	1,2-Dichloropropane	10.0	UD	1.50	10.0	ug/L
75-27-4	Bromodichloromethane	10.0	UD	1.50	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	50.0	UD	7.40	50.0	ug/L
108-88-3	Toluene	10.0	UD	1.40	10.0	ug/L
10061-02-6	t-1,3-Dichloropropene	10.0	UD	1.70	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	10.0	UD	1.50	10.0	ug/L



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1043-MW-03A(17)DL	SDG No.:	O4373
Lab Sample ID:	O4373-03DL	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037689.D	10		09/13/23 12:51	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	10.0	UD	1.30	10.0	ug/L
591-78-6	2-Hexanone	50.0	UD	9.80	50.0	ug/L
124-48-1	Dibromochloromethane	10.0	UD	1.50	10.0	ug/L
106-93-4	1,2-Dibromoethane	10.0	UD	1.30	10.0	ug/L
127-18-4	Tetrachloroethene	340	D	1.70	10.0	ug/L
108-90-7	Chlorobenzene	10.0	UD	1.20	10.0	ug/L
100-41-4	Ethyl Benzene	10.0	UD	1.30	10.0	ug/L
179601-23-1	m/p-Xylenes	20.0	UD	3.10	20.0	ug/L
95-47-6	o-Xylene	10.0	UD	1.50	10.0	ug/L
100-42-5	Styrene	10.0	UD	1.30	10.0	ug/L
75-25-2	Bromoform	10.0	UD	1.50	10.0	ug/L
98-82-8	Isopropylbenzene	10.0	UD	1.30	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.0	UD	1.50	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	10.0	UD	2.30	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	10.0	UD	2.40	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	10.0	UD	1.70	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10.0	UD	4.30	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	10.0	UD	4.30	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	10.0	UD	5.50	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.3		74 - 125	87%	SPK: 50
1868-53-7	Dibromofluoromethane	45.0		75 - 124	90%	SPK: 50
2037-26-5	Toluene-d8	45.4		86 - 113	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.3		64 - 133	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	232000	5.55			
540-36-3	1,4-Difluorobenzene	406000	6.763			
3114-55-4	Chlorobenzene-d5	375000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	161000	12.024			



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1043-MW-03A(17)DL	SDG No.:	O4373
Lab Sample ID:	O4373-03DL	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037689.D	10		09/13/23 12:51	VX091323

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_X\Data\VX091323\
 Data File : VX037689.D
 Acq On : 13 Sep 2023 12:51
 Operator : JC/MD
 Sample : 04373-03DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1043-MW-03A(17)DL

Quant Time: Sep 14 02:18:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

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

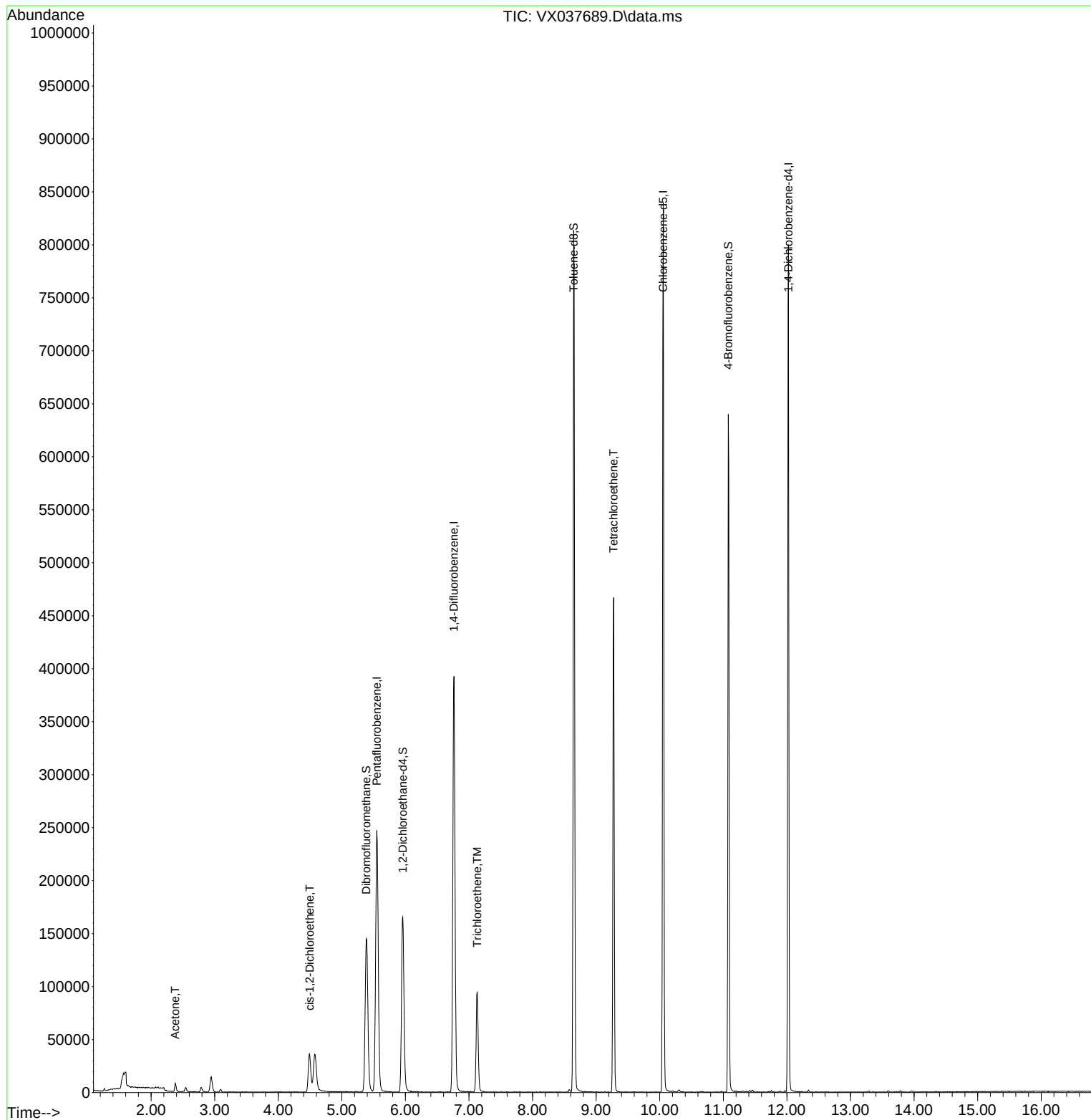
Internal Standards						
1) Pentafluorobenzene	5.550	168	231544	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	406052	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	374905	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	160981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	162142	43.282	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.560%
35) Dibromofluoromethane	5.385	113	129600	45.029	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.060%
50) Toluene-d8	8.647	98	492510	45.373	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.740%#
62) 4-Bromofluorobenzene	11.079	95	169426	43.264	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.520%
Target Compounds						
					Qvalue	
16) Acetone	2.380	43	8158	5.386	ug/l #	88
27) cis-1,2-Dichloroethene	4.495	96	23710	7.094	ug/l	82
44) Trichloroethene	7.129	130	36610	12.345	ug/l	97
64) Tetrachloroethene	9.275	164	81816	33.683	ug/l	98

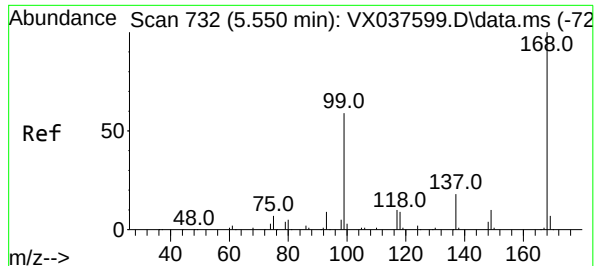
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037689.D
Acq On : 13 Sep 2023 12:51
Operator : JC/MD
Sample : 04373-03DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1043-MW-03A(17)DL

Quant Time: Sep 14 02:18:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration

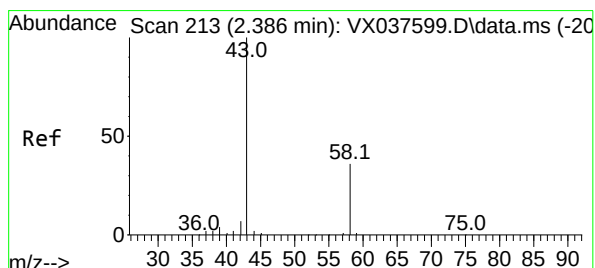
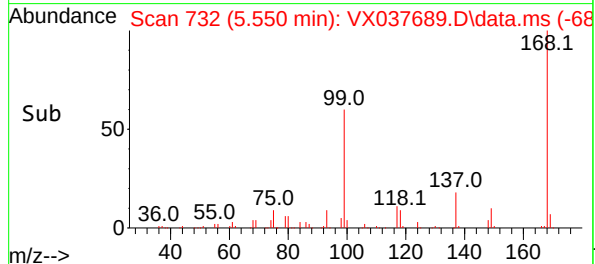
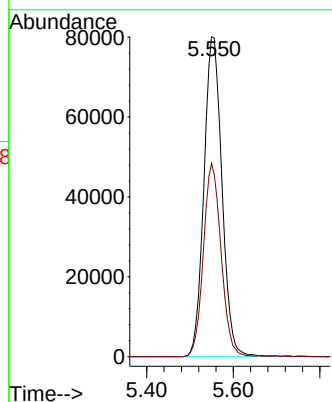
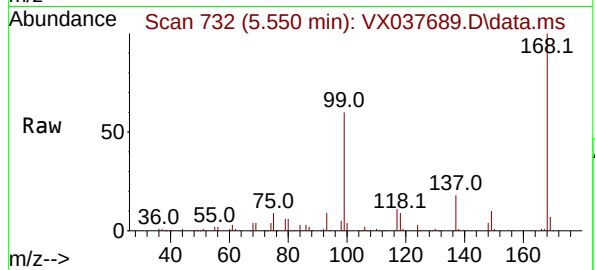




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037689.D
Acq: 13 Sep 2023 12:51

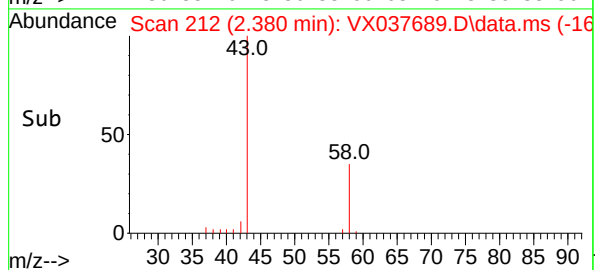
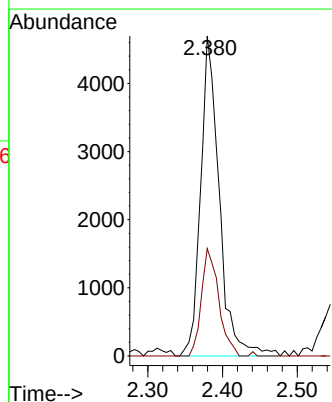
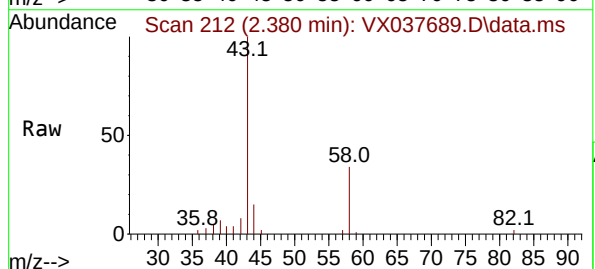
Instrument :
MSVOA_X
ClientSampleId :
1043-MW-03A(17)DL

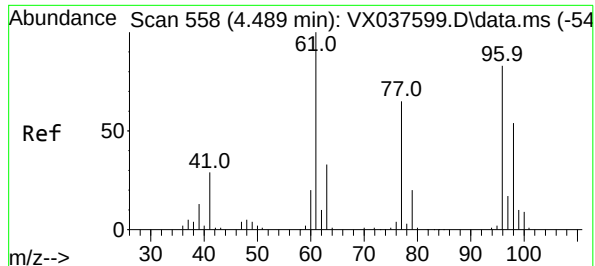
Tgt Ion:168 Resp: 231544
Ion Ratio Lower Upper
168 100
99 60.4 56.6 85.0



#16
Acetone
Concen: 5.386 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX037689.D
Acq: 13 Sep 2023 12:51

Tgt Ion: 43 Resp: 8158
Ion Ratio Lower Upper
43 100
58 33.6 21.9 32.9#





#27

cis-1,2-Dichloroethene

Concen: 7.094 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX037689.D

Acq: 13 Sep 2023 12:51

Instrument :

MSVOA_X

ClientSampleId :

1043-MW-03A(17)DL

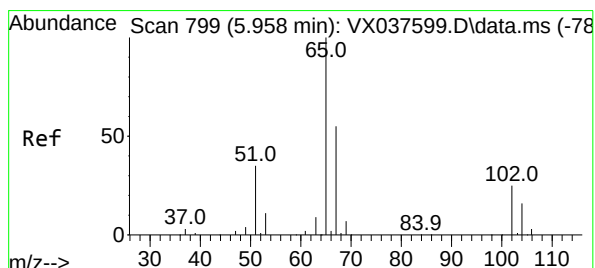
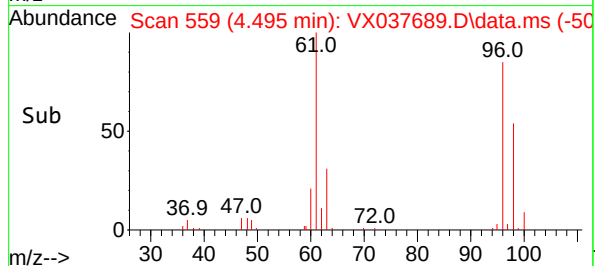
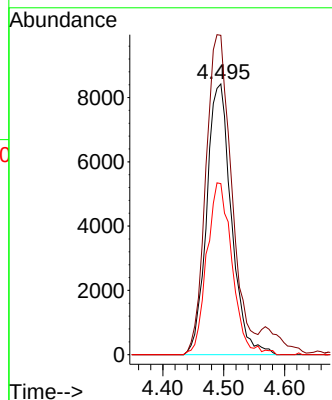
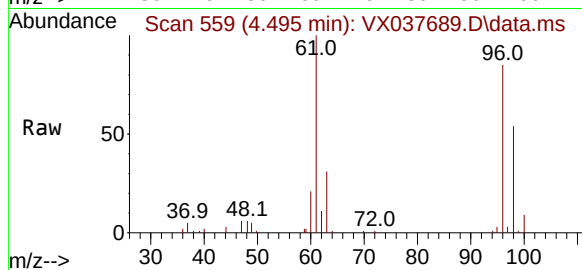
Tgt Ion: 96 Resp: 23710

Ion Ratio Lower Upper

96 100

61 123.8 0.0 312.2

98 64.9 0.0 129.0



#33

1,2-Dichloroethane-d4

Concen: 43.282 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037689.D

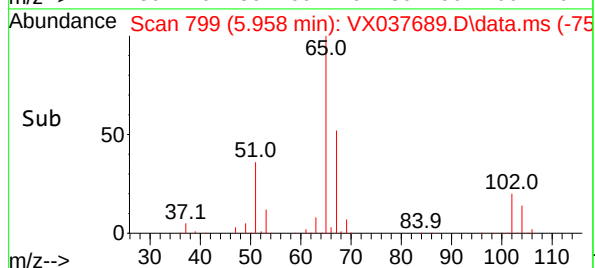
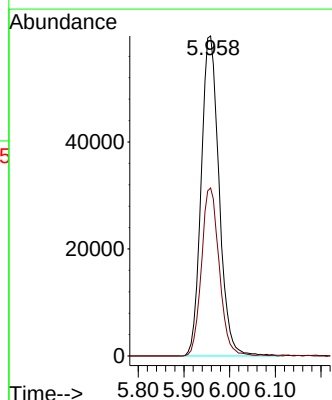
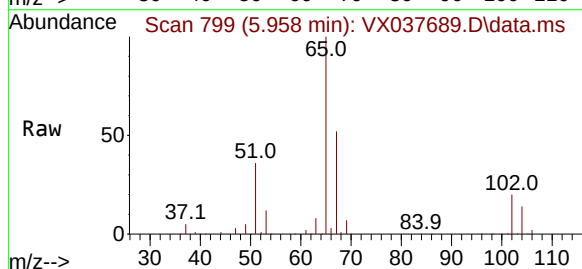
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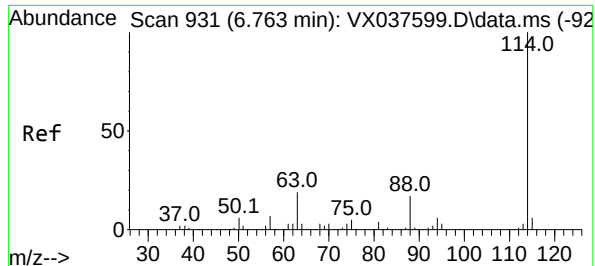
Tgt Ion: 65 Resp: 162142

Ion Ratio Lower Upper

65 100

67 52.1 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX037689.D

Acq: 13 Sep 2023 12:51

Instrument :

MSVOA_X

ClientSampleId :

1043-MW-03A(17)DL

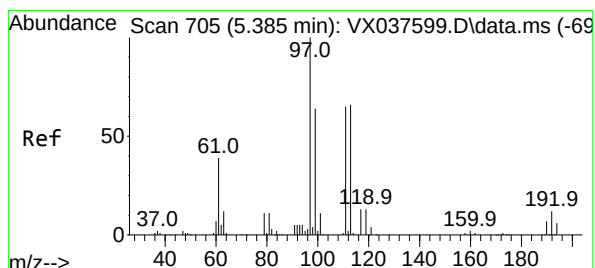
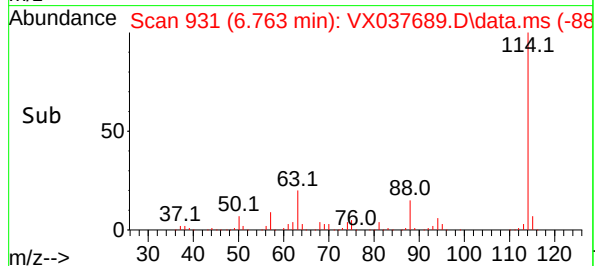
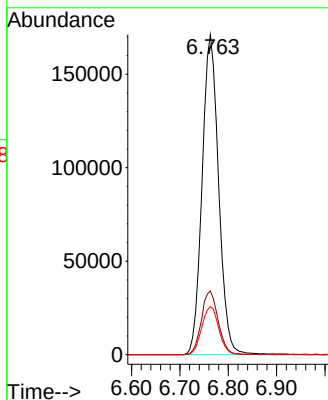
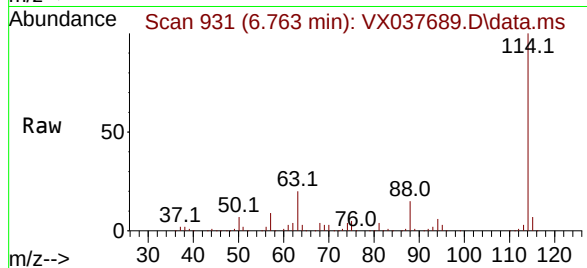
Tgt Ion:114 Resp: 406052

Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.0

88 15.0 0.0 36.6



#35

Dibromofluoromethane

Concen: 45.029 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX037689.D

Acq: 13 Sep 2023 12:51

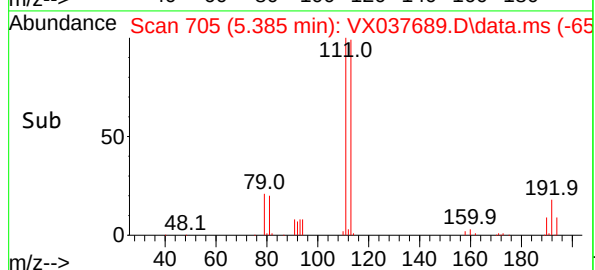
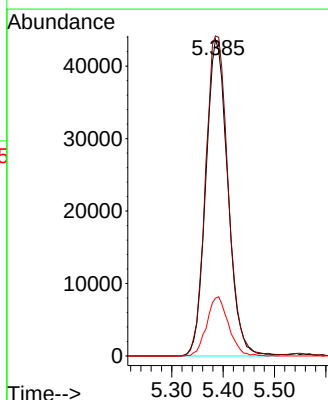
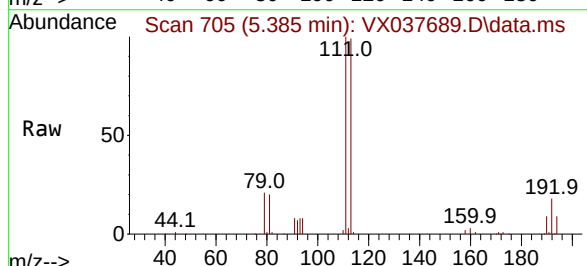
Tgt Ion:113 Resp: 129600

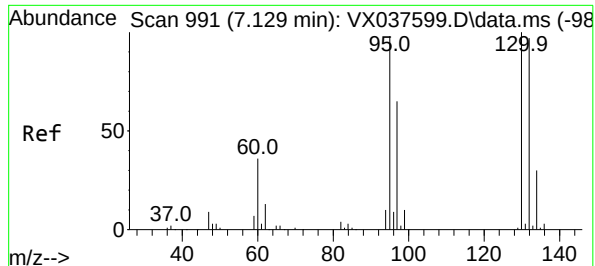
Ion Ratio Lower Upper

113 100

111 104.1 82.9 124.3

192 18.6 13.3 19.9





#44

Trichloroethene

Concen: 12.345 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX037689.D

Acq: 13 Sep 2023 12:51

Instrument :

MSVOA_X

ClientSampleId :

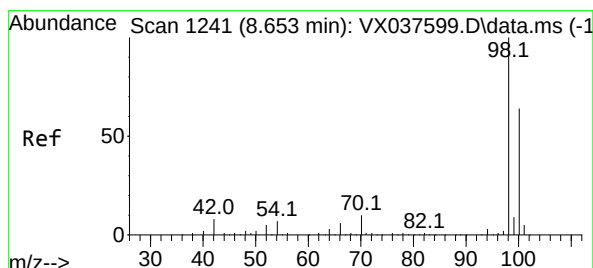
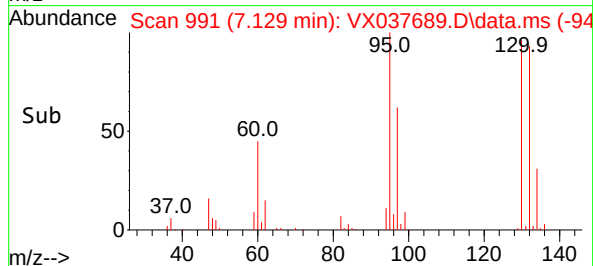
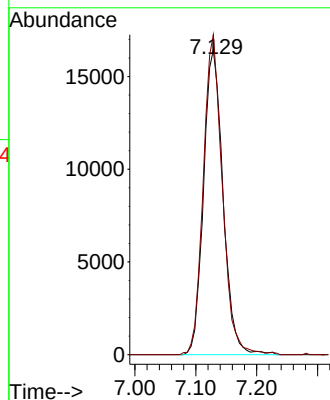
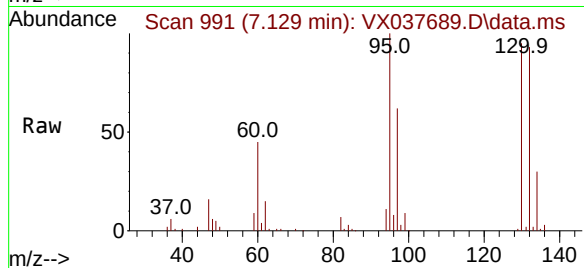
1043-MW-03A(17)DL

Tgt Ion:130 Resp: 36610

Ion Ratio Lower Upper

130 100

95 105.0 0.0 204.4



#50

Toluene-d8

Concen: 45.373 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX037689.D

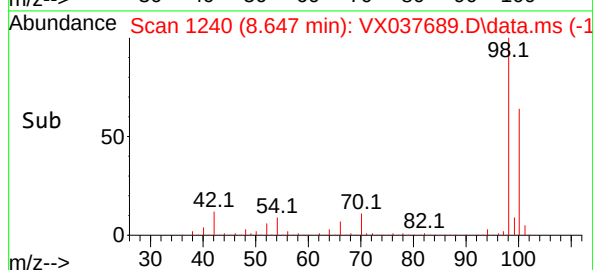
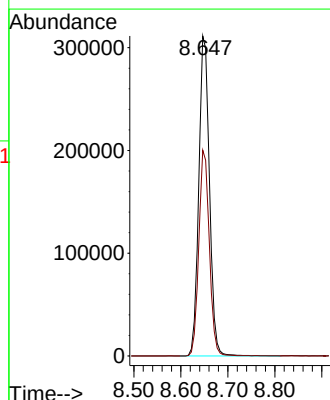
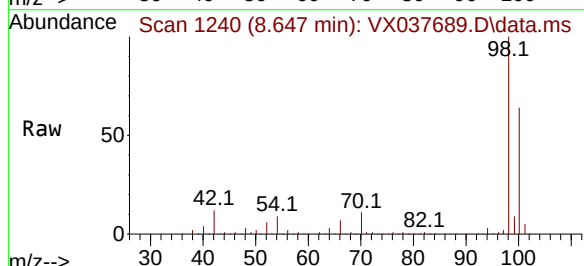
Acq: 13 Sep 2023 12:51

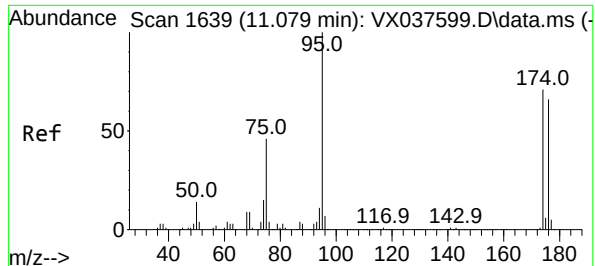
Tgt Ion: 98 Resp: 492510

Ion Ratio Lower Upper

98 100

100 63.6 53.1 79.7

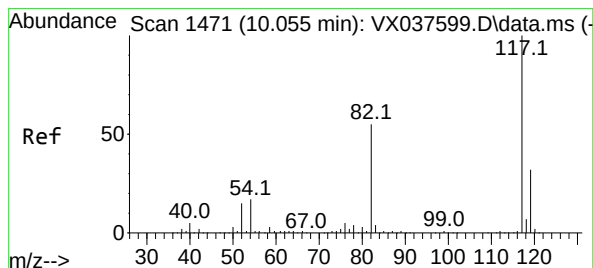
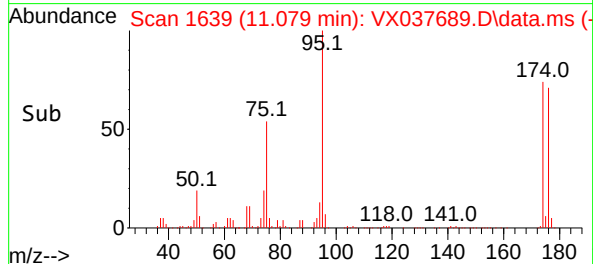
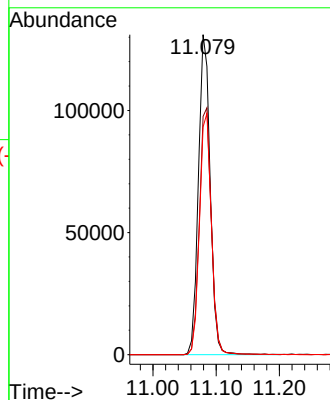
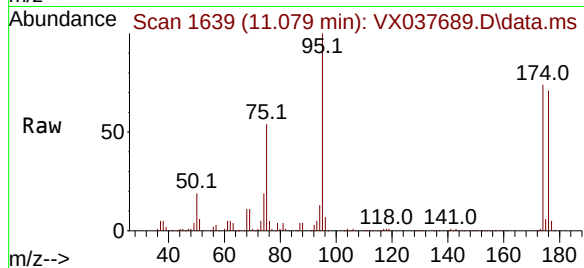




#62
4-Bromofluorobenzene
Concen: 43.264 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037689.D
Acq: 13 Sep 2023 12:51

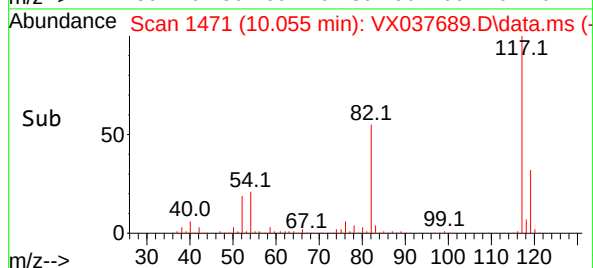
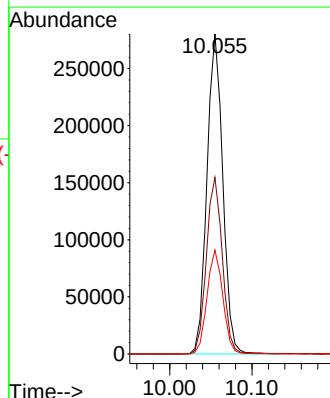
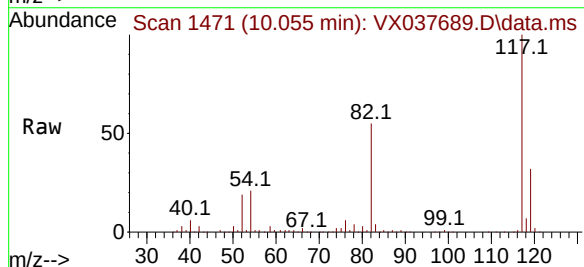
Instrument :
MSVOA_X
ClientSampleId :
1043-MW-03A(17)DL

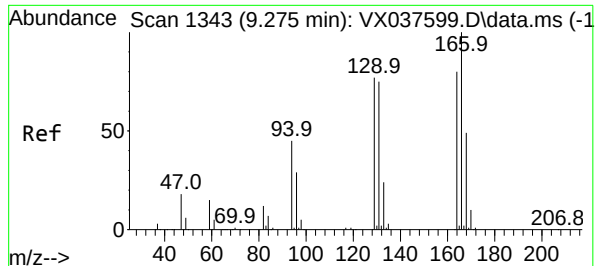
Tgt Ion: 95 Resp: 169426
Ion Ratio Lower Upper
95 100
174 78.9 0.0 135.6
176 76.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037689.D
Acq: 13 Sep 2023 12:51

Tgt Ion: 117 Resp: 374905
Ion Ratio Lower Upper
117 100
82 55.2 46.2 69.4
119 32.4 25.5 38.3





#64

Tetrachloroethene

Concen: 33.683 ug/l

RT: 9.275 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037689.D

Acq: 13 Sep 2023 12:51

Instrument :

MSVOA_X

ClientSampleId :

1043-MW-03A(17)DL

Tgt Ion:164 Resp: 81816

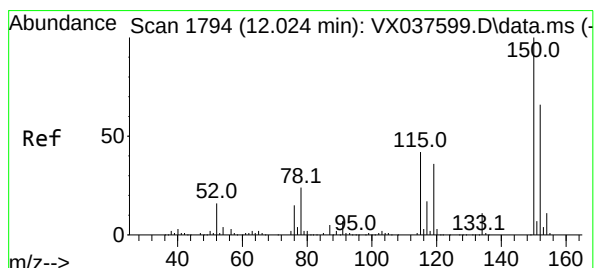
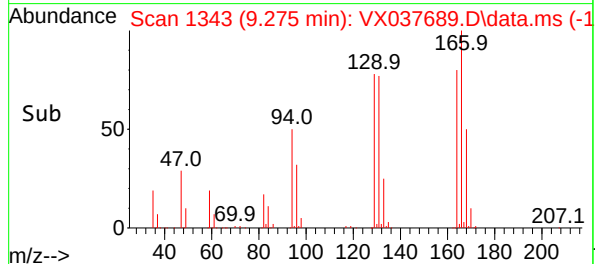
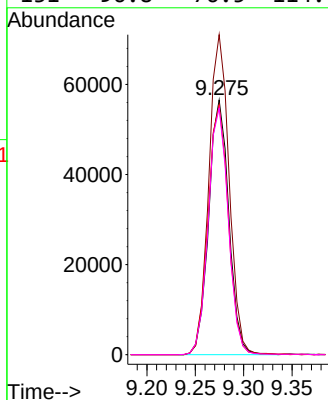
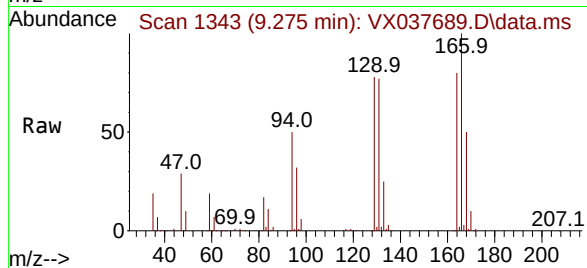
Ion Ratio Lower Upper

164 100

166 125.6 102.7 154.1

129 98.0 80.4 120.6

131 96.8 76.5 114.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX037689.D

Acq: 13 Sep 2023 12:51

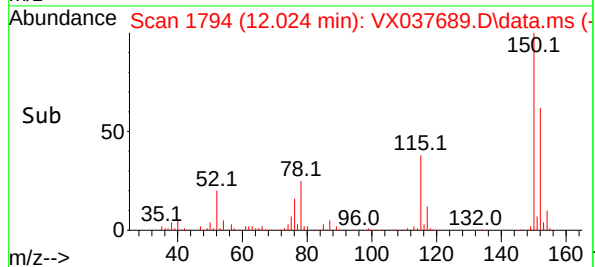
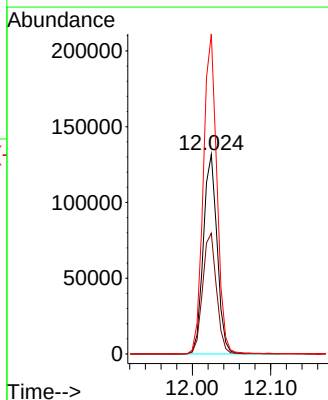
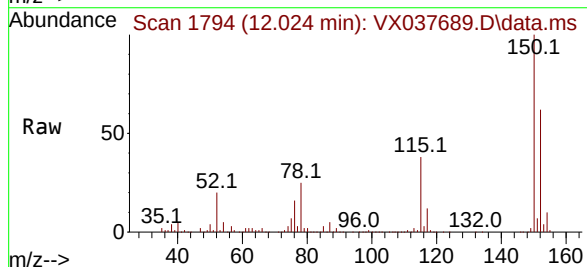
Tgt Ion:152 Resp: 160981

Ion Ratio Lower Upper

152 100

115 61.1 43.3 129.9

150 157.7 0.0 345.0





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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1044-MW-11(15)	SDG No.:	O4373
Lab Sample ID:	O4373-04	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037690.D	1		09/13/23 13:16	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	9.30		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	6.30		1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.64	J	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.40		0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	4.80	J	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1044-MW-11(15)	SDG No.:	O4373
Lab Sample ID:	O4373-04	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037690.D	1		09/13/23 13:16	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	8.10		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	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	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	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	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.7		74 - 125	87%	SPK: 50
1868-53-7	Dibromofluoromethane	45.4		75 - 124	91%	SPK: 50
2037-26-5	Toluene-d8	45.5		86 - 113	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.9		64 - 133	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	218000	5.549			
540-36-3	1,4-Difluorobenzene	381000	6.763			
3114-55-4	Chlorobenzene-d5	351000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	148000	12.024			



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1044-MW-11(15)	SDG No.:	O4373
Lab Sample ID:	O4373-04	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037690.D	1		09/13/23 13:16	VX091323

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_X\Data\VX091323\
 Data File : VX037690.D
 Acq On : 13 Sep 2023 13:16
 Operator : JC/MD
 Sample : 04373-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1044-MW-11(15)

Quant Time: Sep 14 02:19:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

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

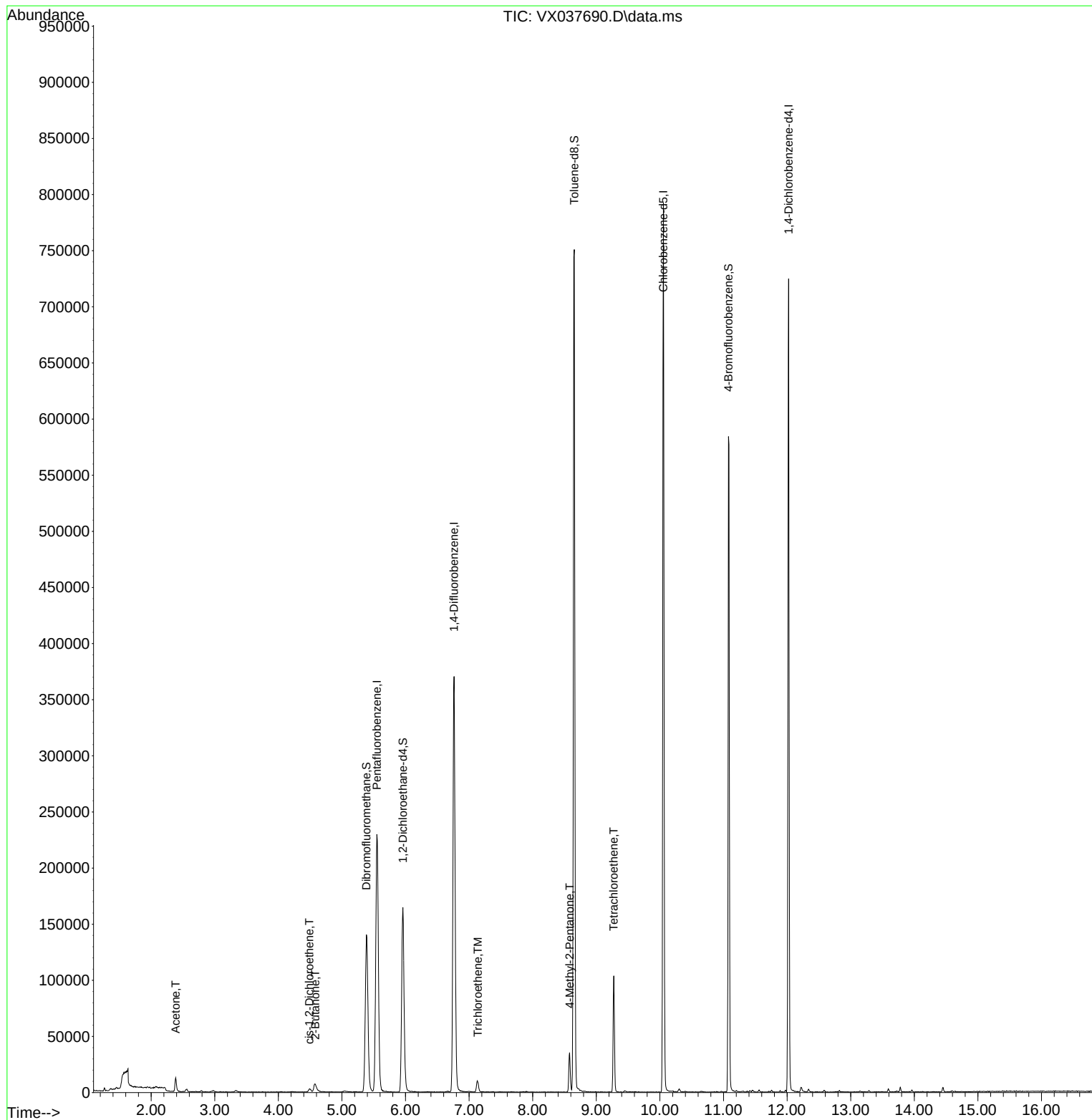
Internal Standards						
1) Pentafluorobenzene	5.549	168	218374	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	380680	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	350792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	147548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	154543	43.741	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.480%		
35) Dibromofluoromethane	5.385	113	122579	45.428	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.860%		
50) Toluene-d8	8.652	98	463052	45.502	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.000%#		
62) 4-Bromofluorobenzene	11.079	95	157675	42.947	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.900%		
Target Compounds						
					Qvalue	
16) Acetone	2.385	43	13250	9.276	ug/l	99
25) 2-Butanone	4.580	43	14743	6.330	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	2023	0.642	ug/l	77
44) Trichloroethene	7.134	130	3969	1.428	ug/l	92
51) 4-Methyl-2-Pentanone	8.579	43	21172	4.812	ug/l	97
64) Tetrachloroethene	9.274	164	18346	8.072	ug/l	99

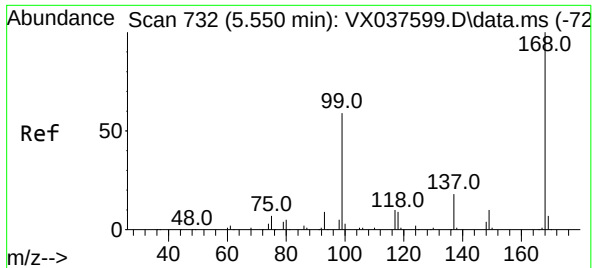
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037690.D
Acq On : 13 Sep 2023 13:16
Operator : JC/MD
Sample : 04373-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1044-MW-11(15)

Quant Time: Sep 14 02:19:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.549 min Scan# 71

Delta R.T. -0.001 min

Lab File: VX037690.D

Acq: 13 Sep 2023 13:16

Instrument :

MSVOA_X

ClientSampleId :

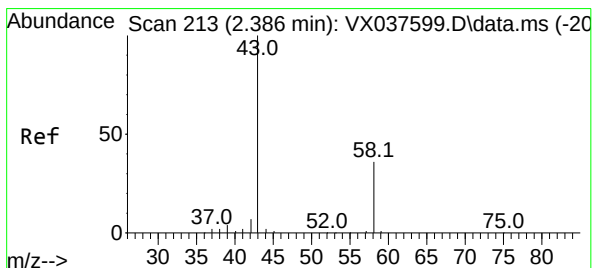
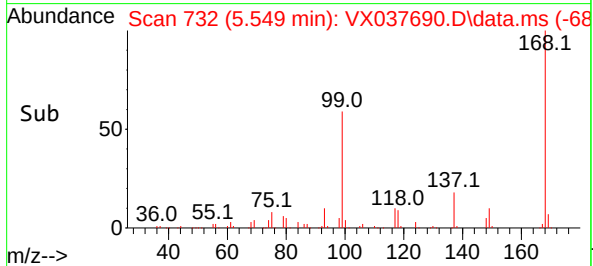
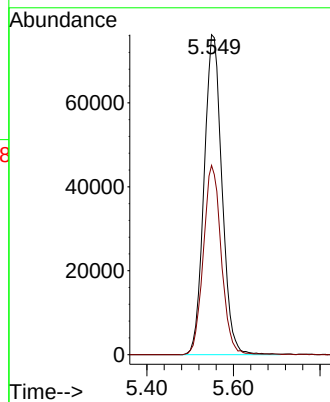
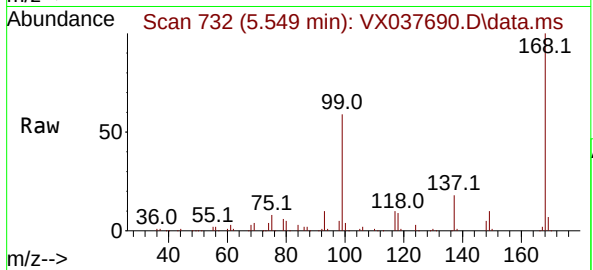
1044-MW-11(15)

Tgt Ion:168 Resp: 218374

Ion Ratio Lower Upper

168 100

99 59.2 56.6 85.0



#16

Acetone

Concen: 9.276 ug/l

RT: 2.385 min Scan# 213

Delta R.T. -0.001 min

Lab File: VX037690.D

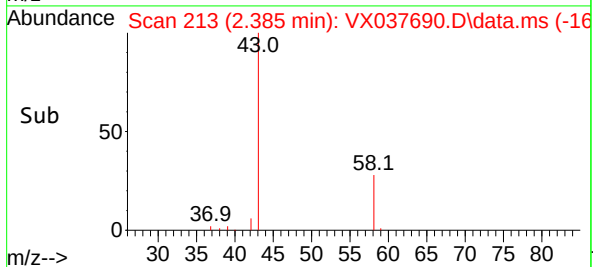
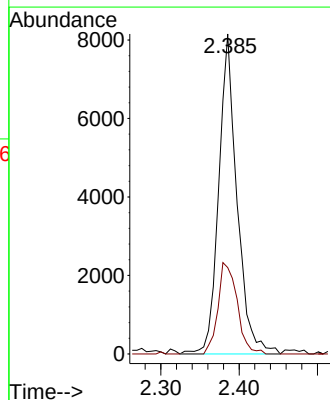
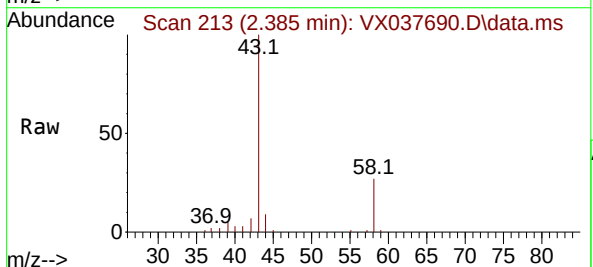
Acq: 13 Sep 2023 13:16

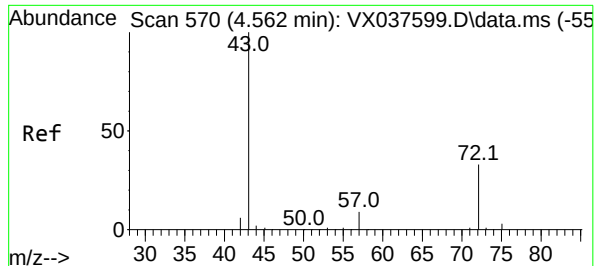
Tgt Ion: 43 Resp: 13250

Ion Ratio Lower Upper

43 100

58 27.0 21.9 32.9





#25

2-Butanone

Concen: 6.330 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX037690.D

Acq: 13 Sep 2023 13:16

Instrument :

MSVOA_X

ClientSampleId :

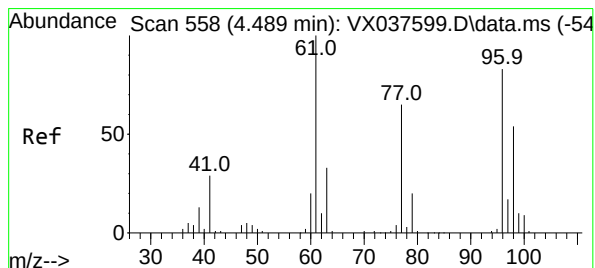
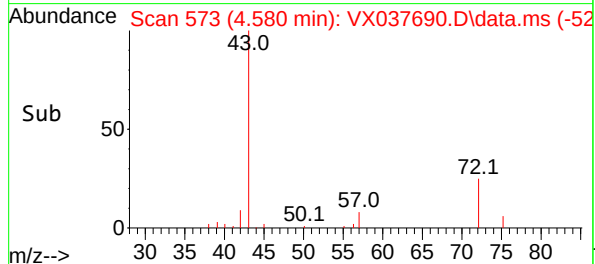
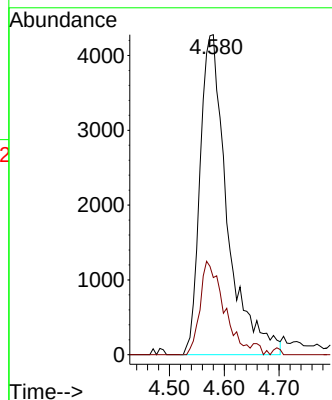
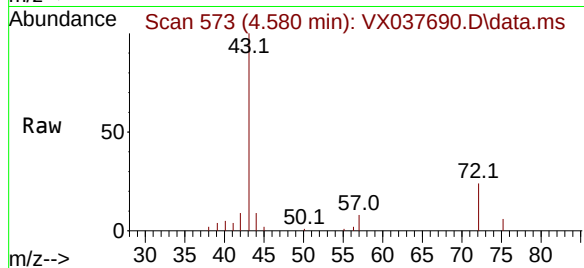
1044-MW-11(15)

Tgt Ion: 43 Resp: 14743

Ion Ratio Lower Upper

43 100

72 24.1 19.4 29.2



#27

cis-1,2-Dichloroethene

Concen: 0.642 ug/l

RT: 4.489 min Scan# 558

Delta R.T. -0.001 min

Lab File: VX037690.D

Acq: 13 Sep 2023 13:16

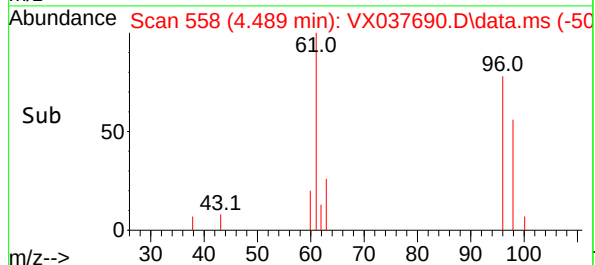
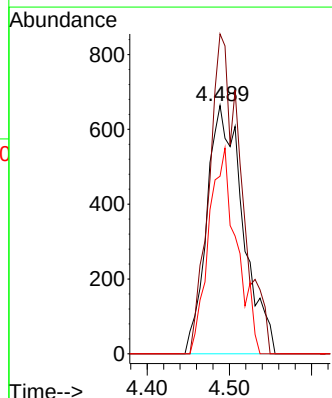
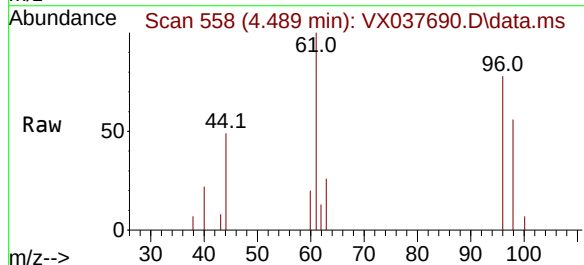
Tgt Ion: 96 Resp: 2023

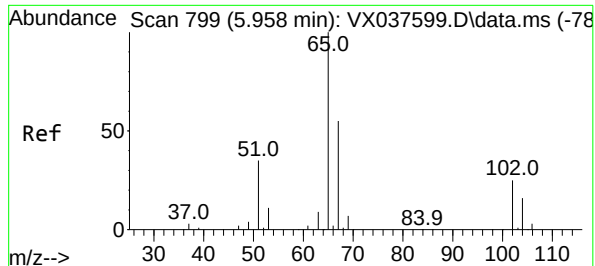
Ion Ratio Lower Upper

96 100

61 113.7 0.0 312.2

98 64.4 0.0 129.0





#33

1,2-Dichloroethane-d4

Concen: 43.741 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037690.D

Acq: 13 Sep 2023 13:16

Instrument :

MSVOA_X

ClientSampleId :

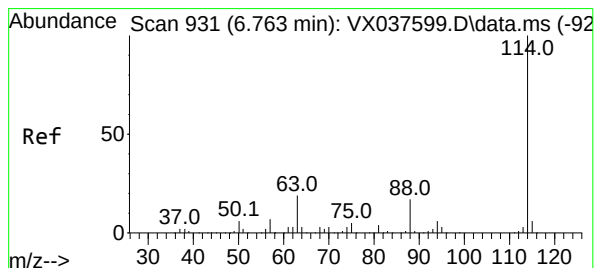
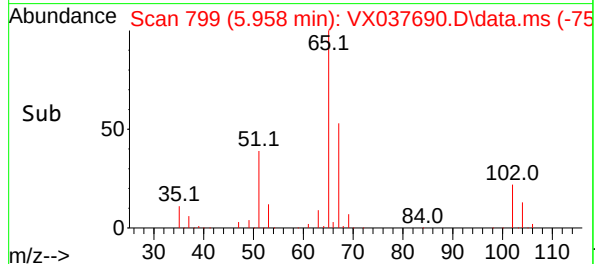
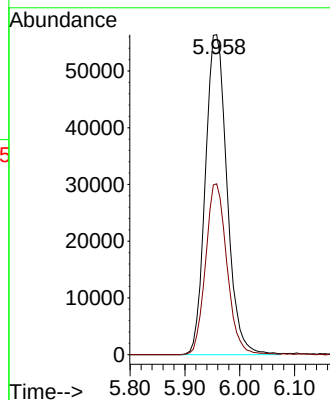
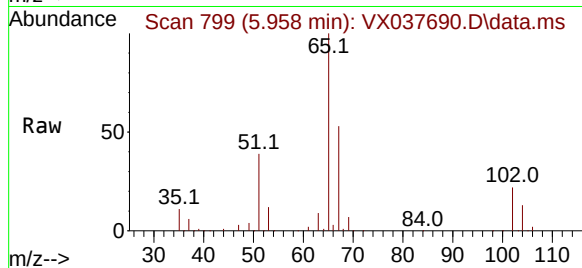
1044-MW-11(15)

Tgt Ion: 65 Resp: 154543

Ion Ratio Lower Upper

65 100

67 52.7 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037690.D

Acq: 13 Sep 2023 13:16

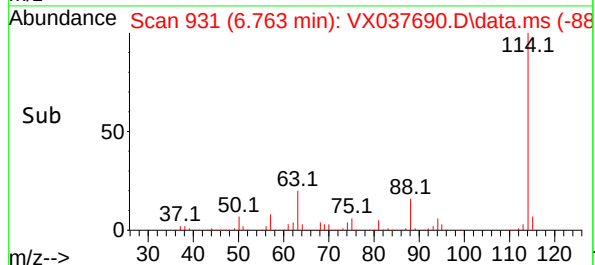
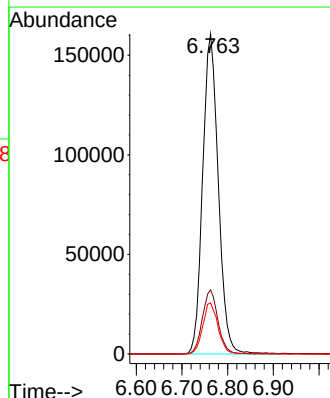
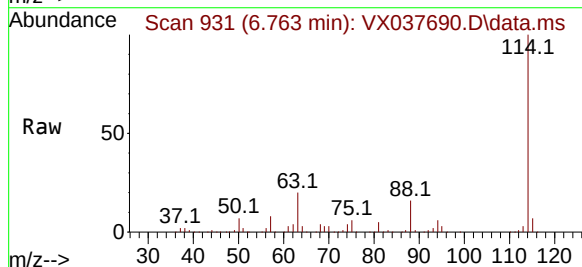
Tgt Ion: 114 Resp: 380680

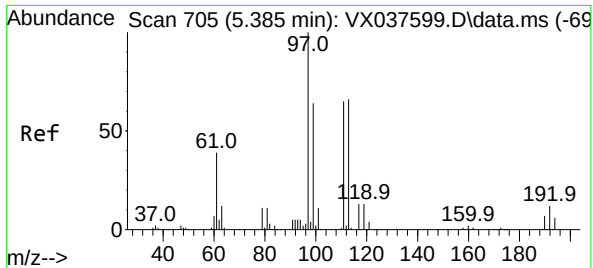
Ion Ratio Lower Upper

114 100

63 20.0 0.0 45.0

88 16.0 0.0 36.6

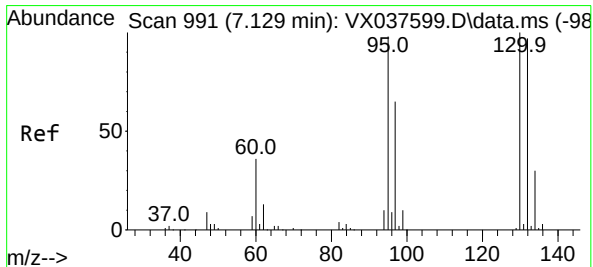
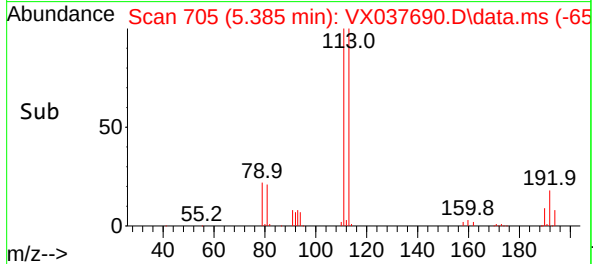
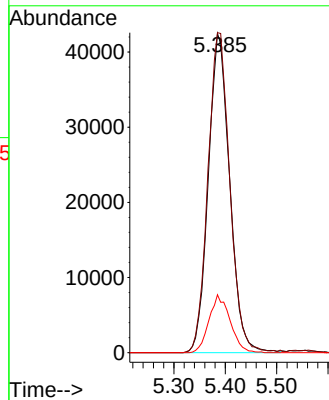
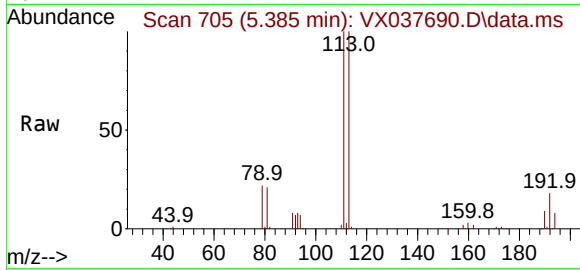




#35
Dibromofluoromethane
Concen: 45.428 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037690.D
Acq: 13 Sep 2023 13:16

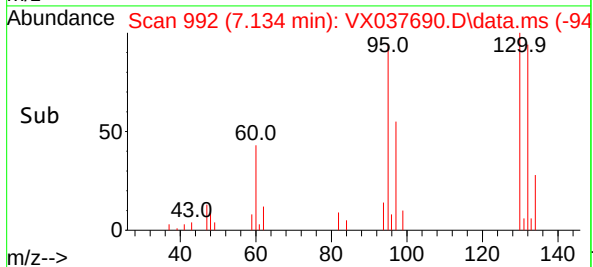
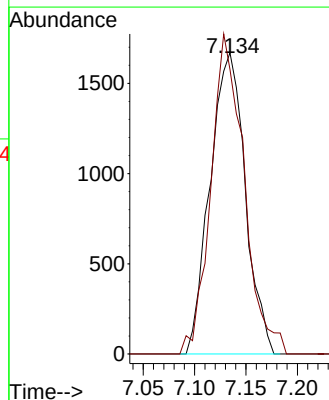
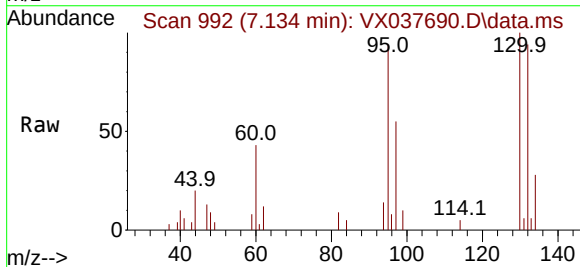
Instrument :
MSVOA_X
ClientSampleId :
1044-MW-11(15)

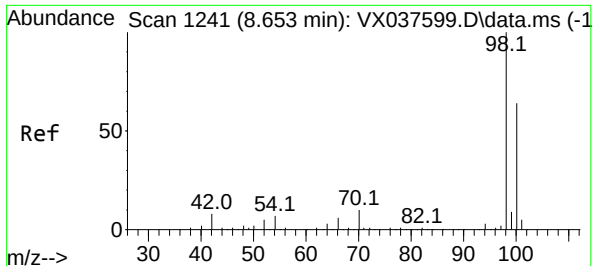
Tgt Ion:113 Resp: 122579
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 17.9 13.3 19.9



#44
Trichloroethene
Concen: 1.428 ug/l
RT: 7.134 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX037690.D
Acq: 13 Sep 2023 13:16

Tgt Ion:130 Resp: 3969
Ion Ratio Lower Upper
130 100
95 94.5 0.0 204.4





#50

Toluene-d8

Concen: 45.502 ug/l

RT: 8.652 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037690.D

Acq: 13 Sep 2023 13:16

Instrument :

MSVOA_X

ClientSampleId :

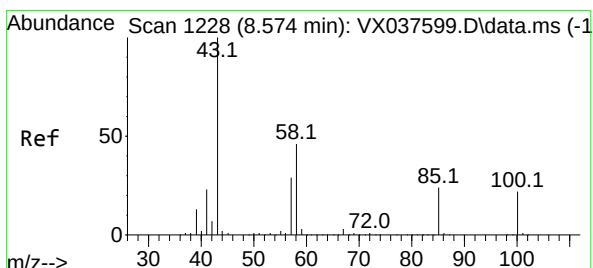
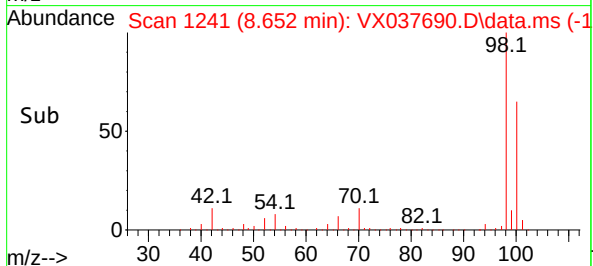
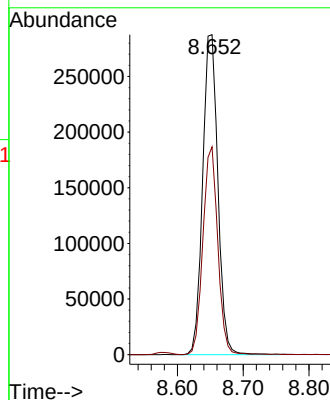
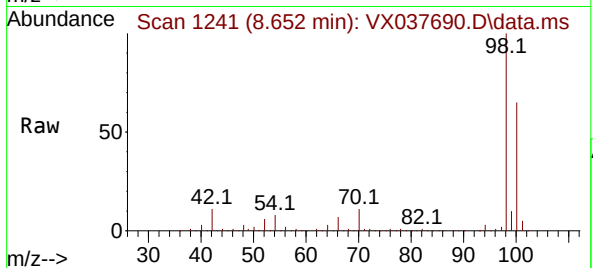
1044-MW-11(15)

Tgt Ion: 98 Resp: 463052

Ion Ratio Lower Upper

98 100

100 63.1 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 4.812 ug/l

RT: 8.579 min Scan# 1229

Delta R.T. 0.005 min

Lab File: VX037690.D

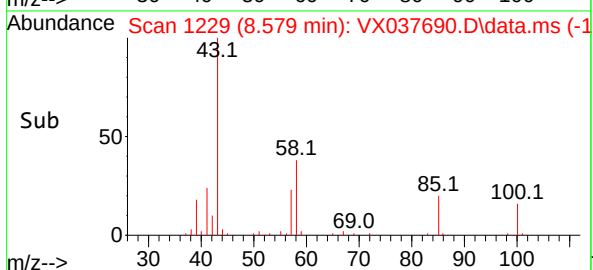
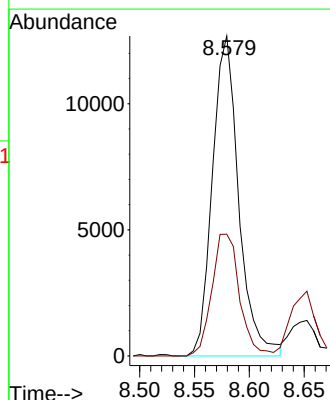
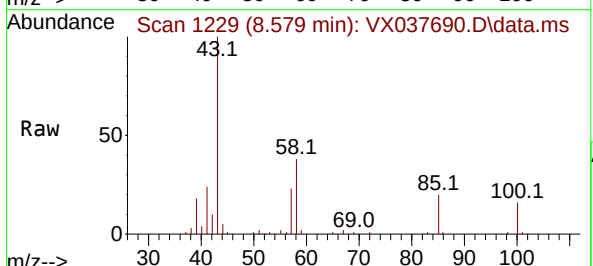
Acq: 13 Sep 2023 13:16

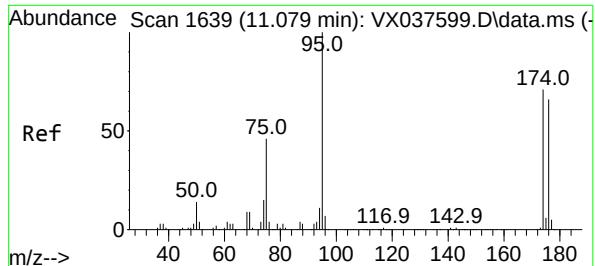
Tgt Ion: 43 Resp: 21172

Ion Ratio Lower Upper

43 100

58 40.1 30.4 45.6

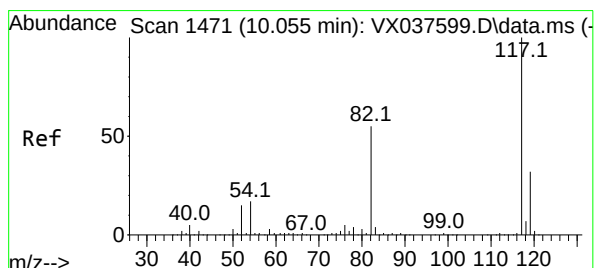
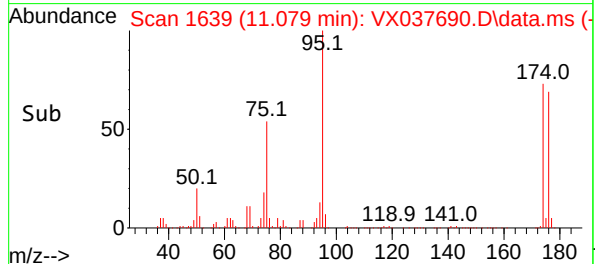
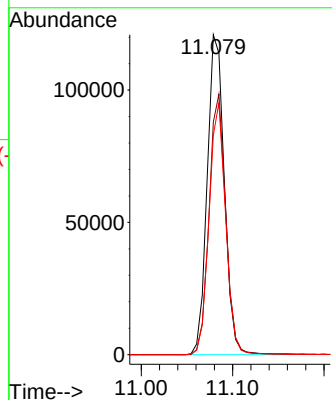
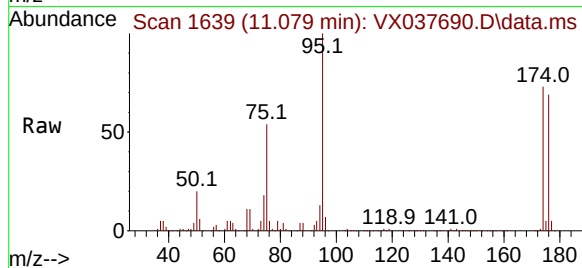




#62
4-Bromofluorobenzene
Concen: 42.947 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.001 min
Lab File: VX037690.D
Acq: 13 Sep 2023 13:16

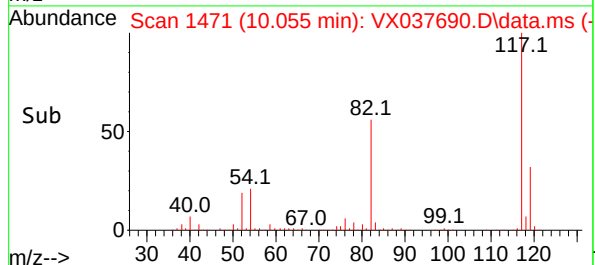
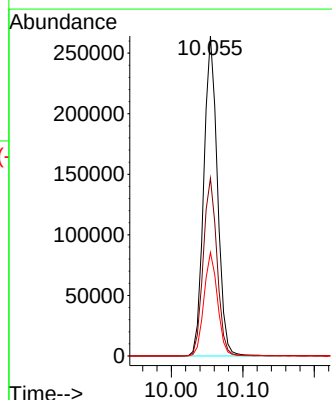
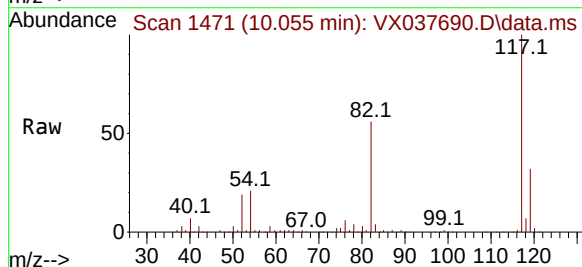
Instrument :
MSVOA_X
ClientSampleId :
1044-MW-11(15)

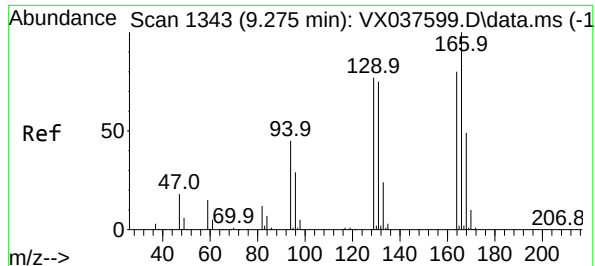
Tgt Ion: 95 Resp: 157675
Ion Ratio Lower Upper
95 100
174 79.4 0.0 135.6
176 76.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037690.D
Acq: 13 Sep 2023 13:16

Tgt Ion: 117 Resp: 350792
Ion Ratio Lower Upper
117 100
82 55.5 46.2 69.4
119 32.3 25.5 38.3





#64

Tetrachloroethene

Concen: 8.072 ug/l

RT: 9.274 min Scan# 11

Delta R.T. -0.001 min

Lab File: VX037690.D

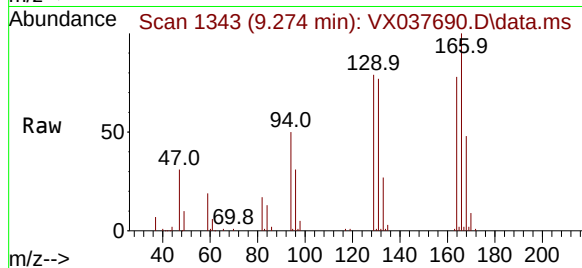
Acq: 13 Sep 2023 13:16

Instrument :

MSVOA_X

ClientSampleId :

1044-MW-11(15)



Tgt Ion:164 Resp: 18346

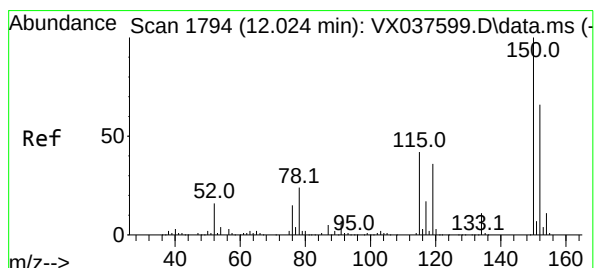
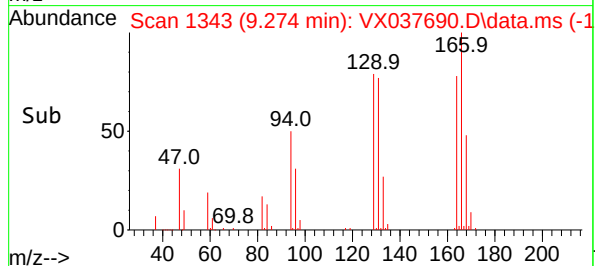
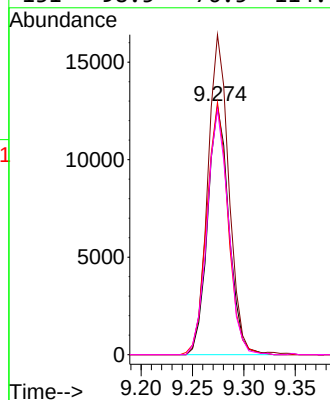
Ion Ratio Lower Upper

164 100

166 128.6 102.7 154.1

129 101.5 80.4 120.6

131 98.5 76.5 114.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.001 min

Lab File: VX037690.D

Acq: 13 Sep 2023 13:16

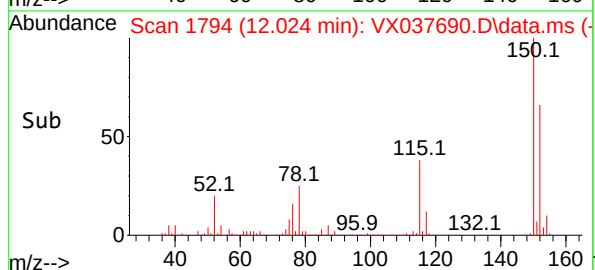
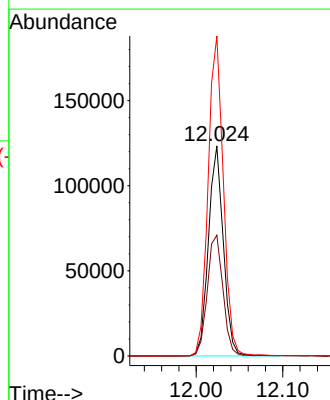
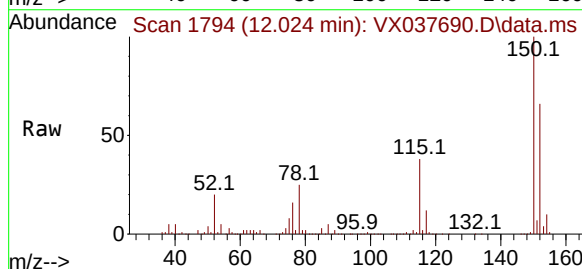
Tgt Ion:152 Resp: 147548

Ion Ratio Lower Upper

152 100

115 60.7 43.3 129.9

150 155.6 0.0 345.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037690.D
Acq On : 13 Sep 2023 13:16
Operator : JC/MD
Sample : 04373-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1044-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_X\Method\82X091123W.M
Title : SW846 8260

Signal : TIC: VX037690.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.556	69	77	78	rBV4	12315	24571	2.05%	0.371%
2	2.385	208	213	221	rVB	12216	20414	1.70%	0.308%
3	4.574	564	572	585	rVB2	6733	20287	1.69%	0.306%
4	5.385	694	705	721	rBV	140193	409019	34.10%	6.172%
5	5.549	721	732	748	rVB	229032	656124	54.70%	9.901%
6	5.958	789	799	818	rBV	164499	433459	36.14%	6.541%
7	6.763	921	931	947	rBV	369970	878460	73.24%	13.256%
8	7.128	984	991	1001	rBV3	10043	22623	1.89%	0.341%
9	8.579	1223	1229	1234	rBV	35194	58205	4.85%	0.878%
10	8.652	1234	1241	1251	rVV	748715	1199489	100.00%	18.101%
11	9.274	1337	1343	1352	rBV	103533	149519	12.47%	2.256%
12	10.055	1465	1471	1481	rBV	791993	1062015	88.54%	16.026%
13	11.079	1634	1639	1651	rBV	583907	779989	65.03%	11.770%
14	12.024	1788	1794	1805	rBV	724389	912562	76.08%	13.771%

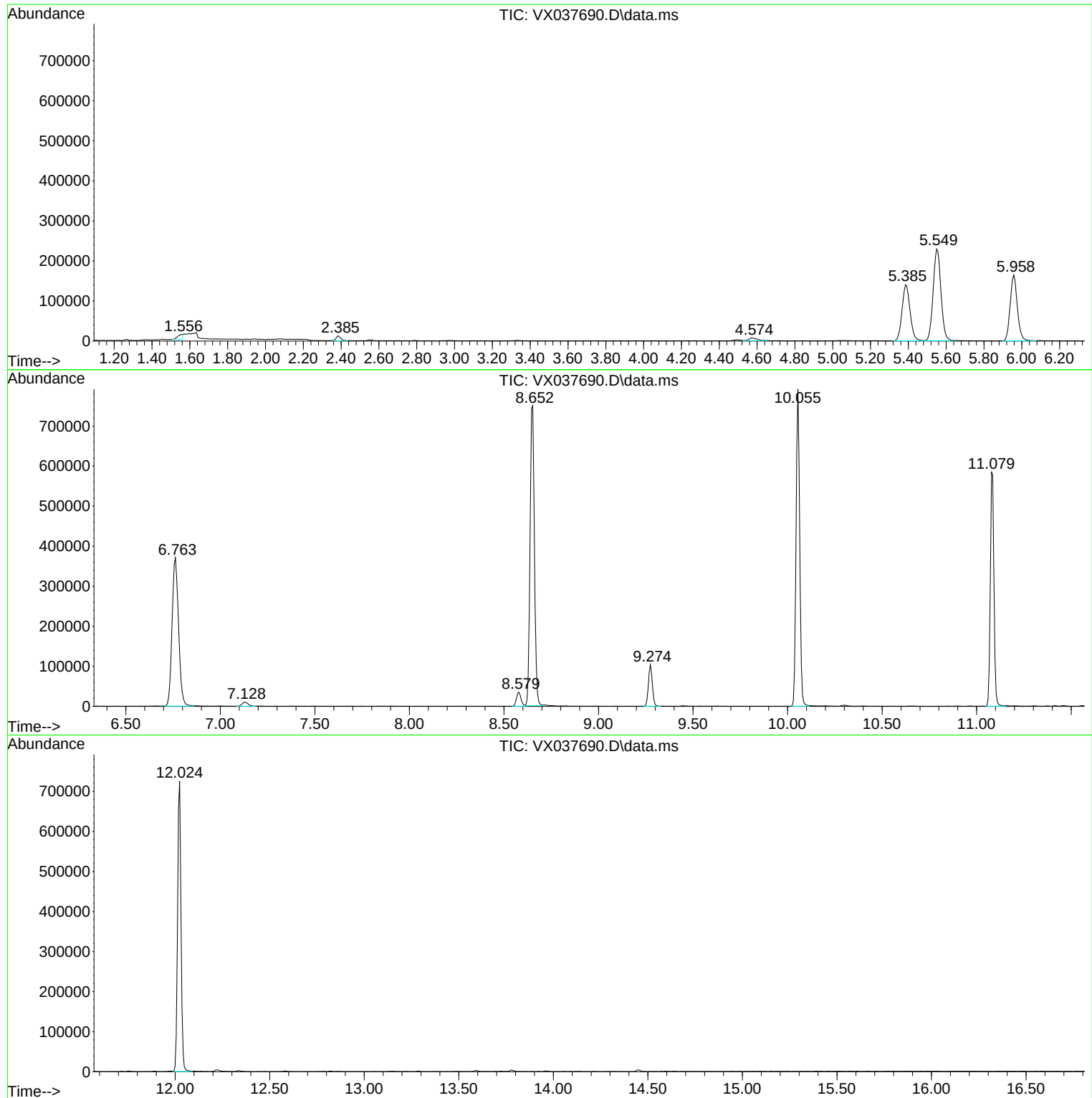
Sum of corrected areas: 6626736

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037690.D
Acq On : 13 Sep 2023 13:16
Operator : JC/MD
Sample : 04373-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1044-MW-11(15)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037690.D
Acq On : 13 Sep 2023 13:16
Operator : JC/MD
Sample : 04373-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1044-MW-11(15)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.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_X\Data\VX091323\
Data File : VX037690.D
Acq On : 13 Sep 2023 13:16
Operator : JC/MD
Sample : 04373-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1044-MW-11(15)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.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



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1045-MW-17A(15.5)	SDG No.:	O4373
Lab Sample ID:	O4373-05	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037677.D	1		09/12/23 18:39	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	4.70		0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	10.9		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.61	J	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	4.30	J	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	53.6		0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	35.0		0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	4.00	J	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1045-MW-17A(15.5)	SDG No.:	O4373
Lab Sample ID:	O4373-05	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037677.D	1		09/12/23 18:39	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	17.2		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	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	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	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	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.8		74 - 125	86%	SPK: 50
1868-53-7	Dibromofluoromethane	44.6		75 - 124	89%	SPK: 50
2037-26-5	Toluene-d8	46.1		86 - 113	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.0		64 - 133	82%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	209000	5.556			
540-36-3	1,4-Difluorobenzene	361000	6.763			
3114-55-4	Chlorobenzene-d5	327000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	130000	12.024			



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1045-MW-17A(15.5)	SDG No.:	O4373
Lab Sample ID:	O4373-05	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037677.D	1		09/12/23 18:39	VX091223

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_X\Data\VX091223\
 Data File : VX037677.D
 Acq On : 12 Sep 2023 18:39
 Operator : JC/MD
 Sample : 04373-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1045-MW-17A(15.5)

Quant Time: Sep 13 01:48:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

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

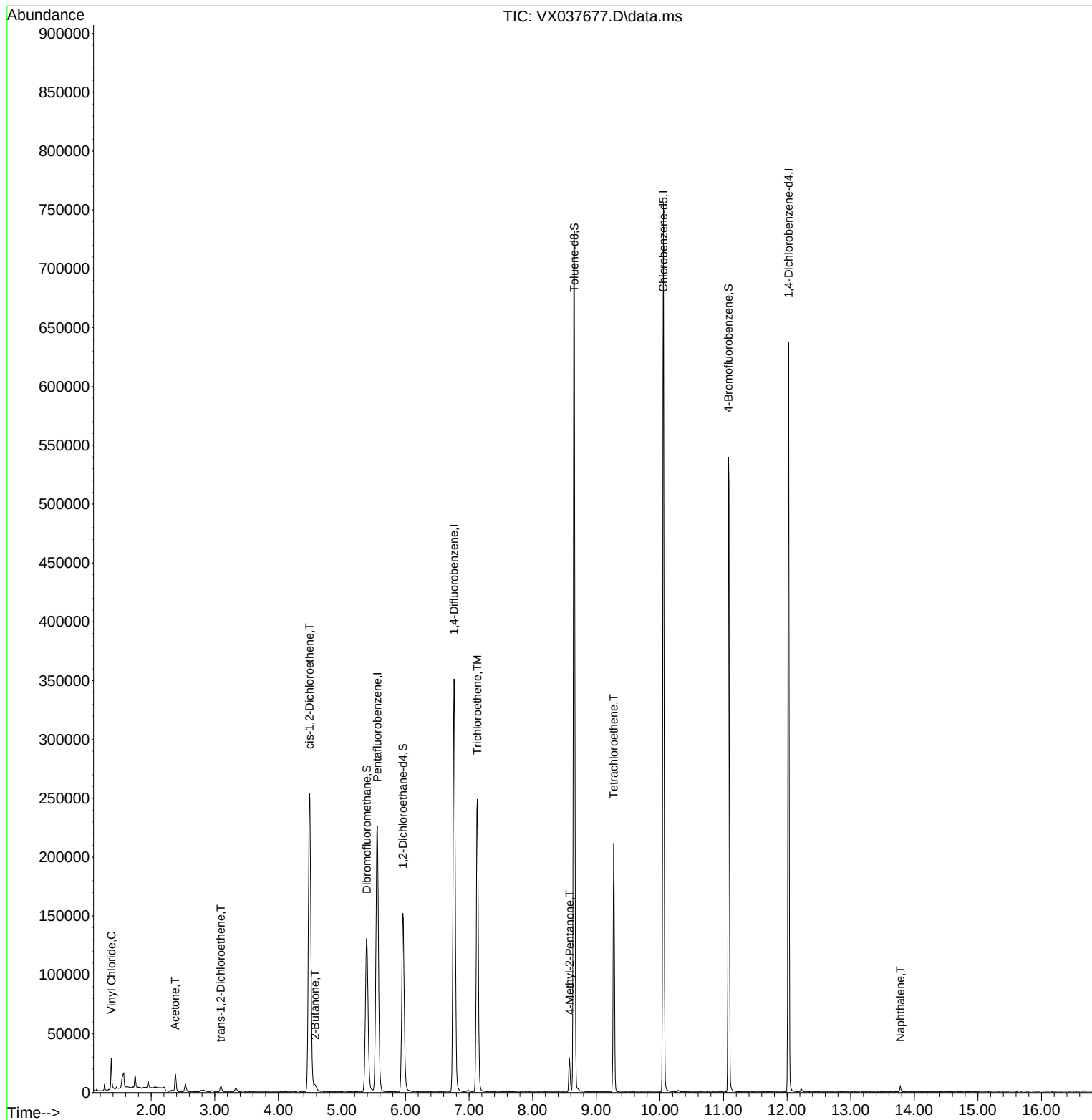
Internal Standards						
1) Pentafluorobenzene	5.556	168	209064	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	360564	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	327423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	144883	42.833	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.660%		
35) Dibromofluoromethane	5.391	113	113956	44.589	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.180%		
50) Toluene-d8	8.653	98	444334	46.099	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.200%		
62) 4-Bromofluorobenzene	11.079	95	142674	41.029	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	82.060%#		
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	13898	4.731	ug/l	97
16) Acetone	2.379	43	14862	10.868	ug/l #	88
21) trans-1,2-Dichloroethene	3.093	96	1507	0.609	ug/l	87
25) 2-Butanone	4.574	43	9654	4.330	ug/l #	88
27) cis-1,2-Dichloroethene	4.489	96	161628	53.560	ug/l	84
44) Trichloroethene	7.129	130	92045	34.953	ug/l	97
51) 4-Methyl-2-Pentanone	8.580	43	16858	4.045	ug/l	95
64) Tetrachloroethene	9.275	164	36538	17.224	ug/l	96
95) Naphthalene	13.780	128	3391	0.356	ug/l #	94

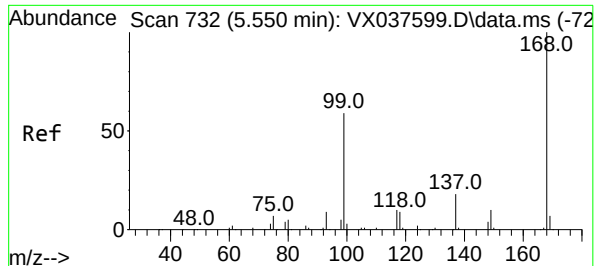
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037677.D
Acq On : 12 Sep 2023 18:39
Operator : JC/MD
Sample : 04373-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1045-MW-17A(15.5)

Quant Time: Sep 13 01:48:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration

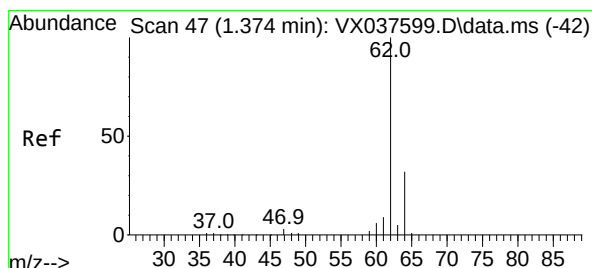
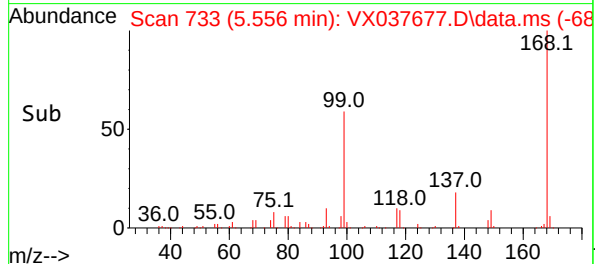
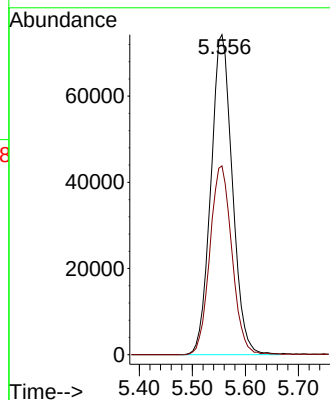
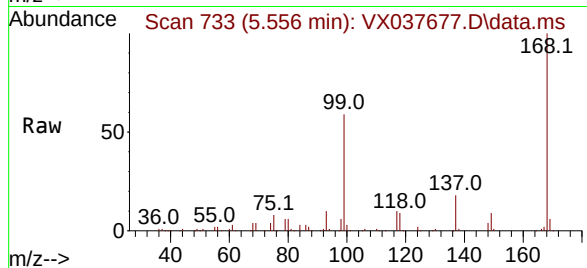




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037677.D
Acq: 12 Sep 2023 18:39

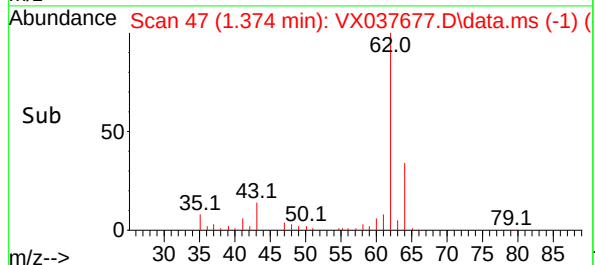
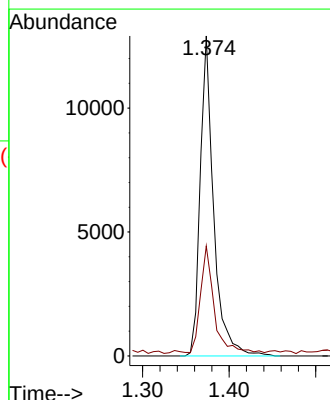
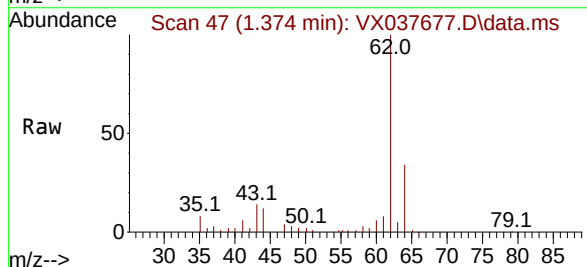
Instrument :
MSVOA_X
ClientSampleId :
1045-MW-17A(15.5)

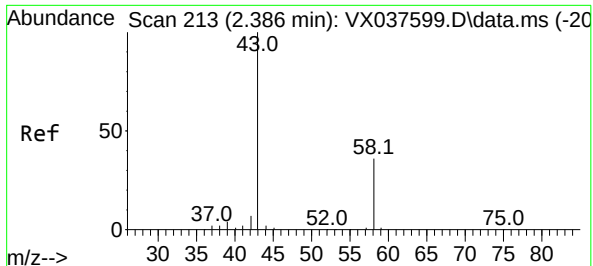
Tgt Ion:168 Resp: 209064
Ion Ratio Lower Upper
168 100
99 59.0 56.6 85.0



#4
Vinyl Chloride
Concen: 4.731 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX037677.D
Acq: 12 Sep 2023 18:39

Tgt Ion: 62 Resp: 13898
Ion Ratio Lower Upper
62 100
64 33.1 25.4 38.0

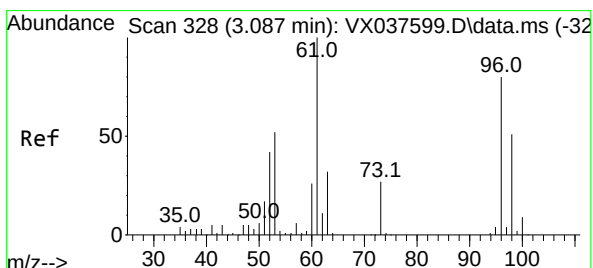
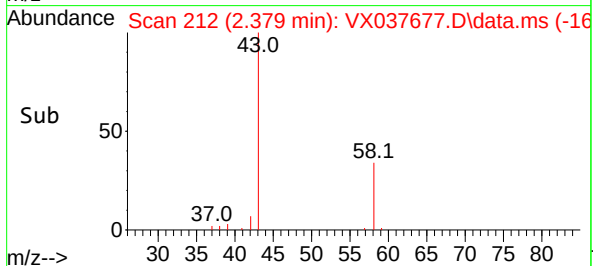
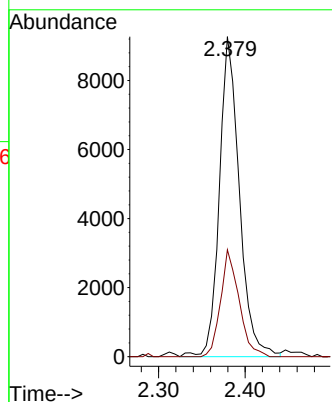
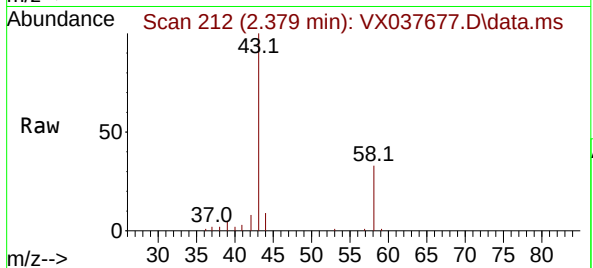




#16
Acetone
Concen: 10.868 ug/l
RT: 2.379 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX037677.D
Acq: 12 Sep 2023 18:39

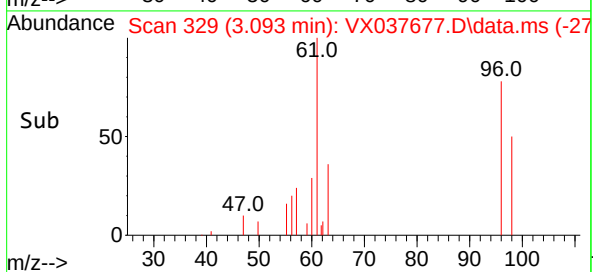
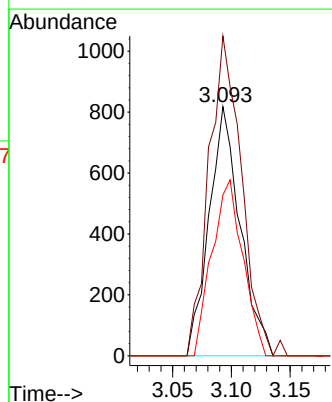
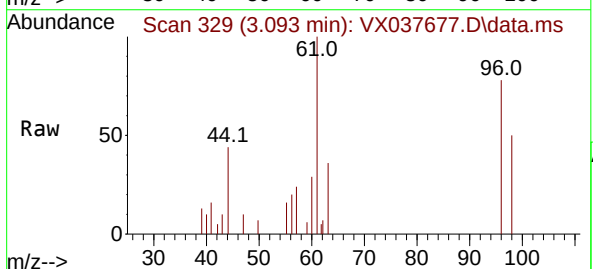
Instrument :
MSVOA_X
ClientSampleId :
1045-MW-17A(15.5)

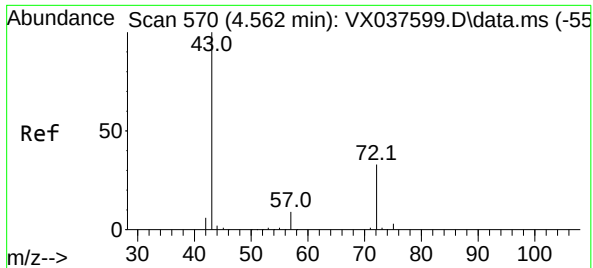
Tgt Ion: 43 Resp: 14862
Ion Ratio Lower Upper
43 100
58 33.4 21.9 32.9#



#21
trans-1,2-Dichloroethene
Concen: 0.609 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.006 min
Lab File: VX037677.D
Acq: 12 Sep 2023 18:39

Tgt Ion: 96 Resp: 1507
Ion Ratio Lower Upper
96 100
61 128.4 119.2 178.8
98 64.5 48.7 73.1





#25

2-Butanone

Concen: 4.330 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX037677.D

Acq: 12 Sep 2023 18:39

Instrument :

MSVOA_X

ClientSampleId :

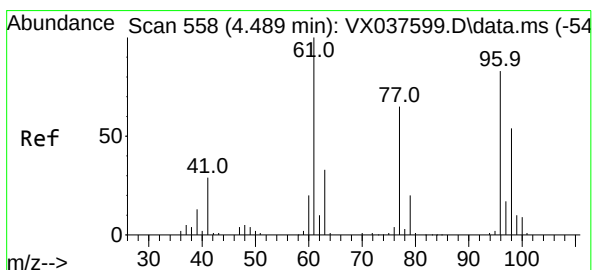
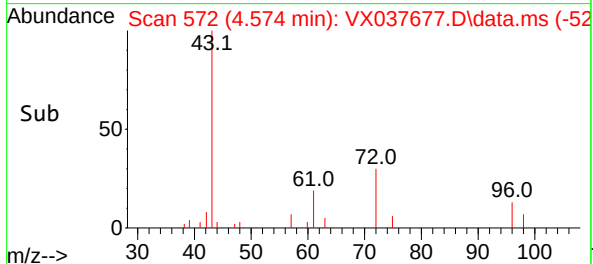
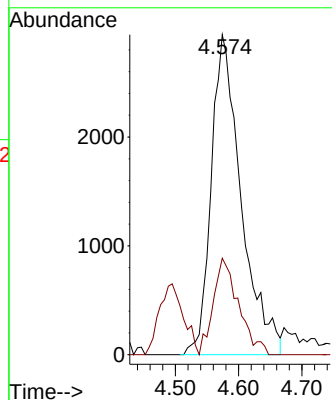
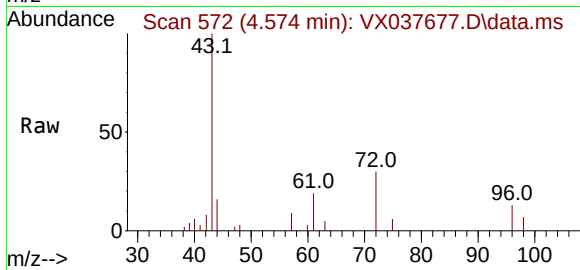
1045-MW-17A(15.5)

Tgt Ion: 43 Resp: 9654

Ion Ratio Lower Upper

43 100

72 30.1 19.4 29.2#



#27

cis-1,2-Dichloroethene

Concen: 53.560 ug/l

RT: 4.489 min Scan# 558

Delta R.T. -0.000 min

Lab File: VX037677.D

Acq: 12 Sep 2023 18:39

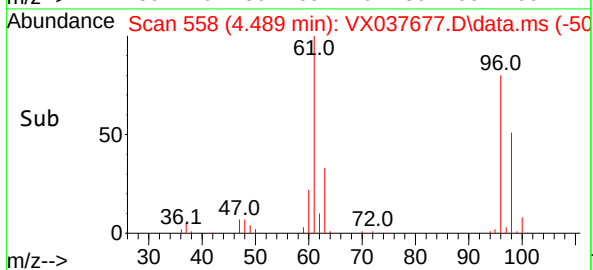
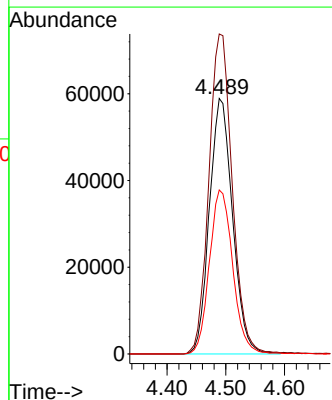
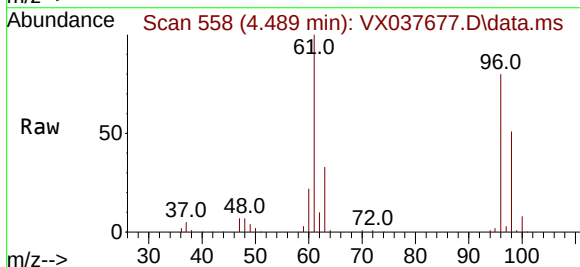
Tgt Ion: 96 Resp: 161628

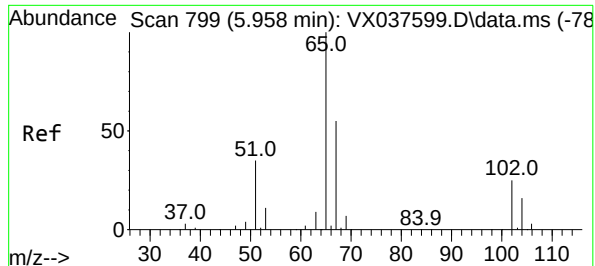
Ion Ratio Lower Upper

96 100

61 126.4 0.0 312.2

98 64.4 0.0 129.0





#33

1,2-Dichloroethane-d4

Concen: 42.833 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037677.D

Acq: 12 Sep 2023 18:39

Instrument :

MSVOA_X

ClientSampleId :

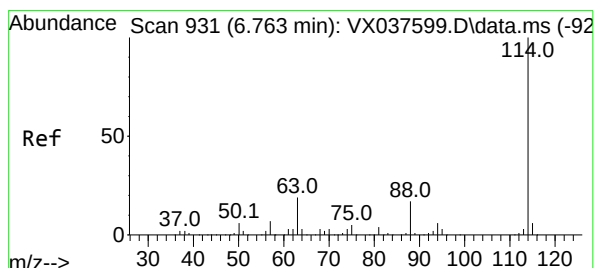
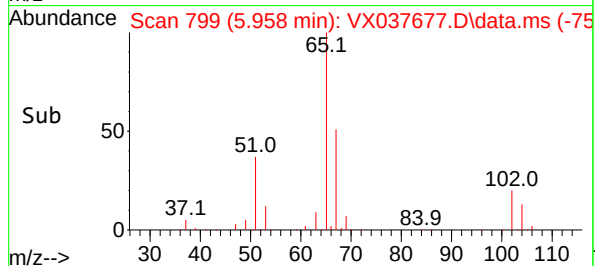
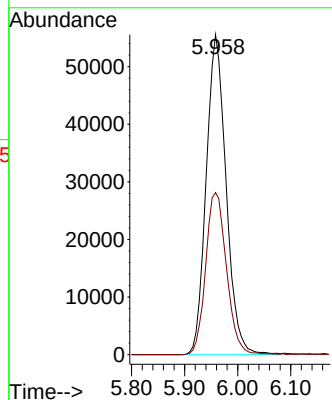
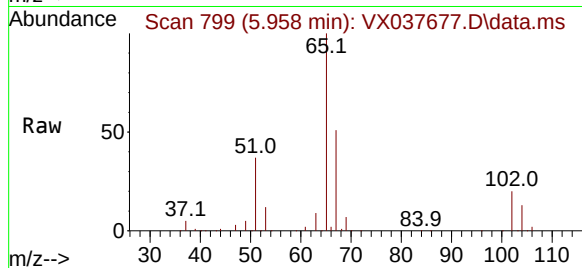
1045-MW-17A(15.5)

Tgt Ion: 65 Resp: 144883

Ion Ratio Lower Upper

65 100

67 53.1 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037677.D

Acq: 12 Sep 2023 18:39

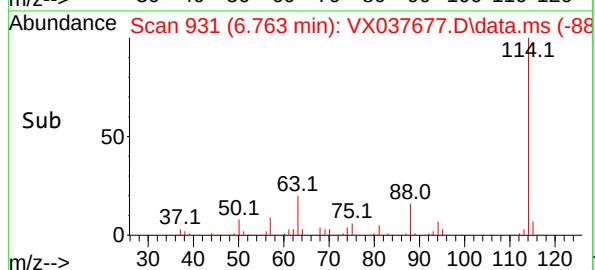
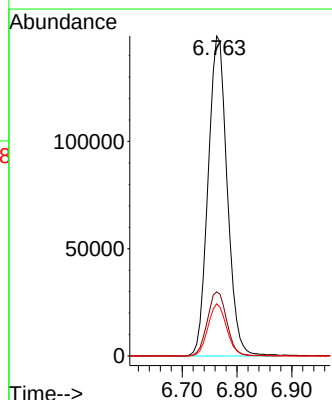
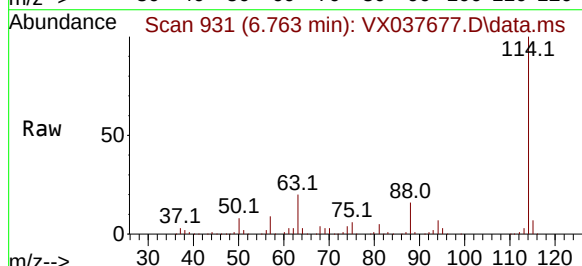
Tgt Ion: 114 Resp: 360564

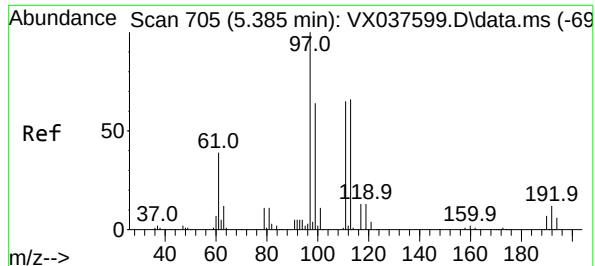
Ion Ratio Lower Upper

114 100

63 20.0 0.0 45.0

88 16.3 0.0 36.6





#35

Dibromofluoromethane

Concen: 44.589 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX037677.D

Acq: 12 Sep 2023 18:39

Instrument :

MSVOA_X

ClientSampleId :

1045-MW-17A(15.5)

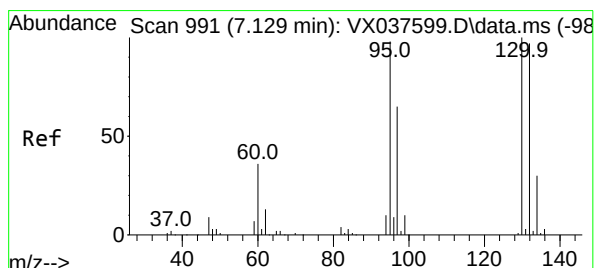
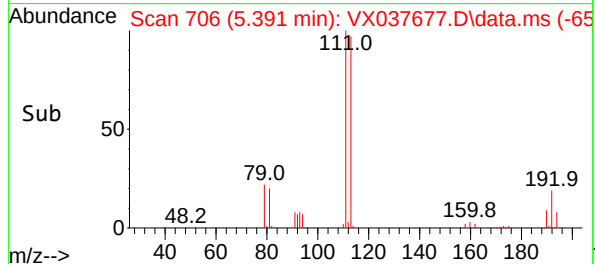
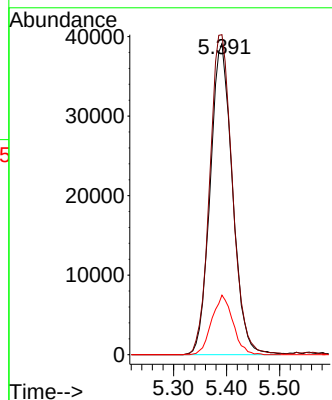
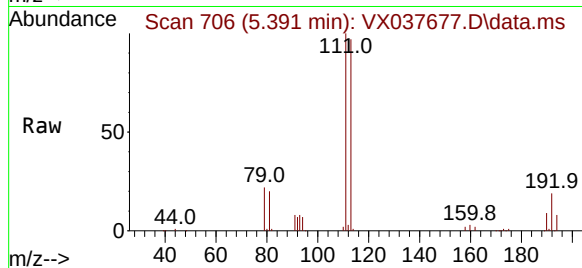
Tgt Ion:113 Resp: 113956

Ion Ratio Lower Upper

113 100

111 105.0 82.9 124.3

192 18.2 13.3 19.9



#44

Trichloroethene

Concen: 34.953 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX037677.D

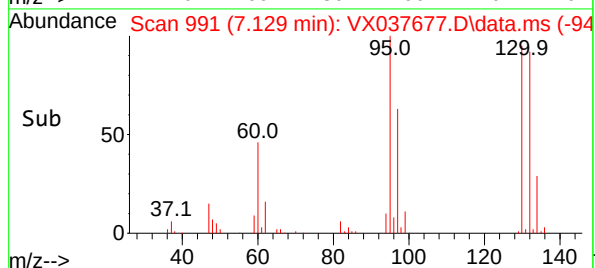
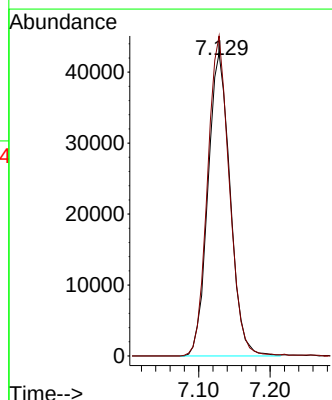
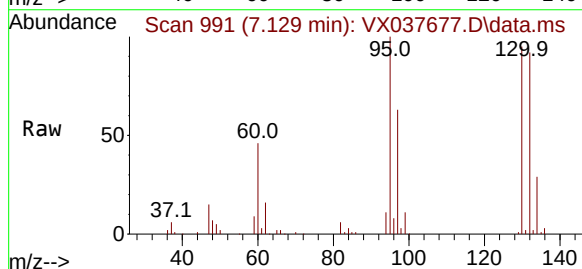
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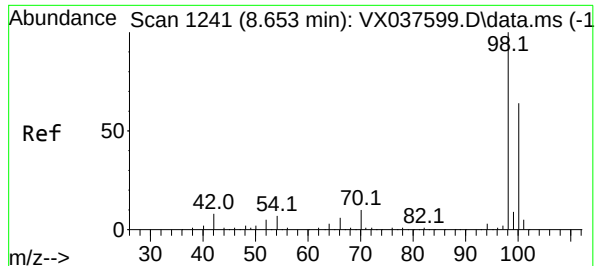
Tgt Ion:130 Resp: 92045

Ion Ratio Lower Upper

130 100

95 105.7 0.0 204.4





#50

Toluene-d8

Concen: 46.099 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX037677.D

Acq: 12 Sep 2023 18:39

Instrument :

MSVOA_X

ClientSampleId :

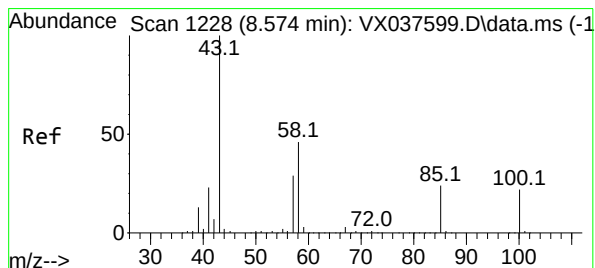
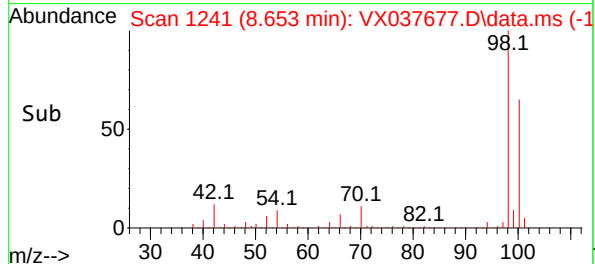
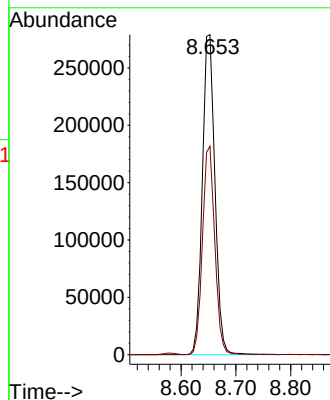
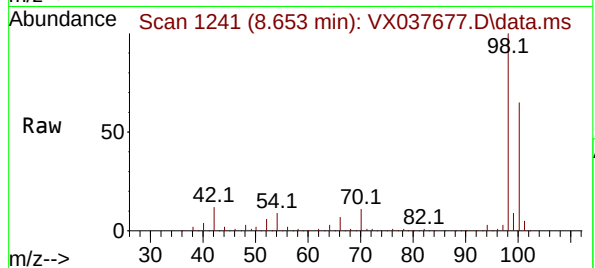
1045-MW-17A(15.5)

Tgt Ion: 98 Resp: 444334

Ion Ratio Lower Upper

98 100

100 63.9 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 4.045 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX037677.D

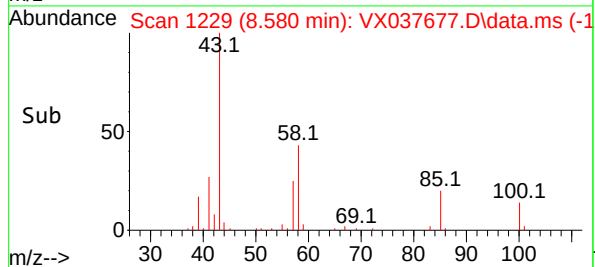
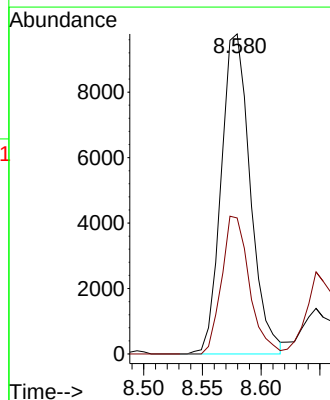
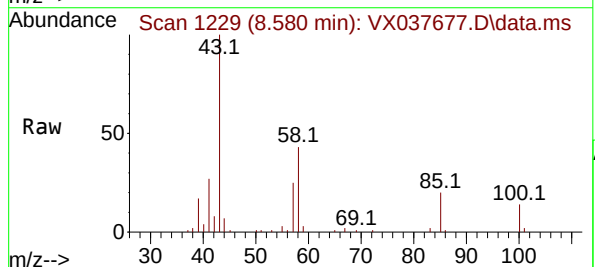
Acq: 12 Sep 2023 18:39

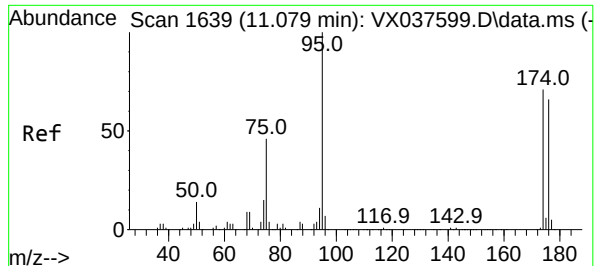
Tgt Ion: 43 Resp: 16858

Ion Ratio Lower Upper

43 100

58 40.9 30.4 45.6

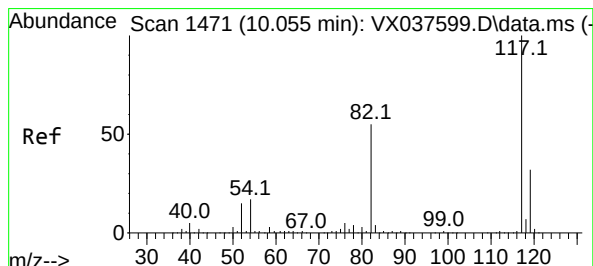
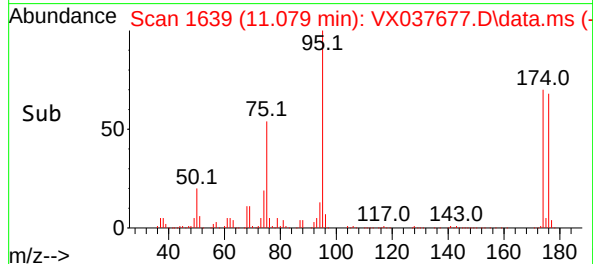
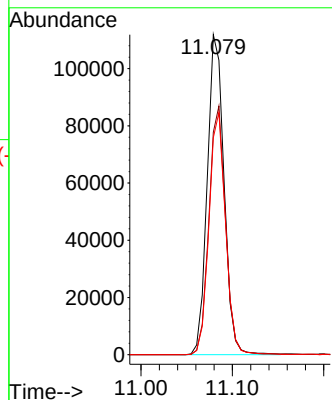
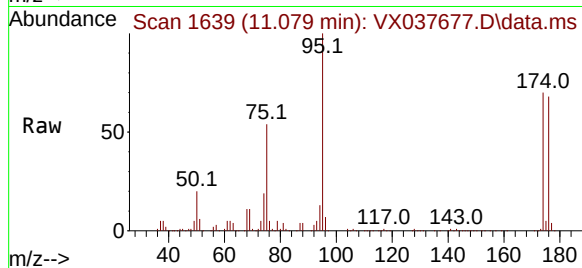




#62
4-Bromofluorobenzene
Concen: 41.029 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037677.D
Acq: 12 Sep 2023 18:39

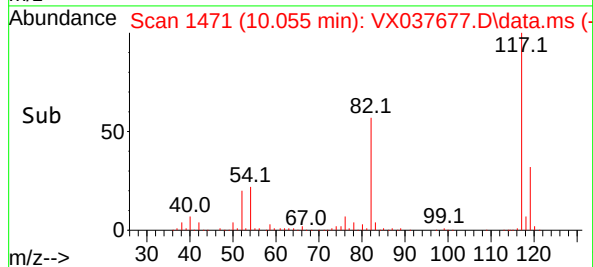
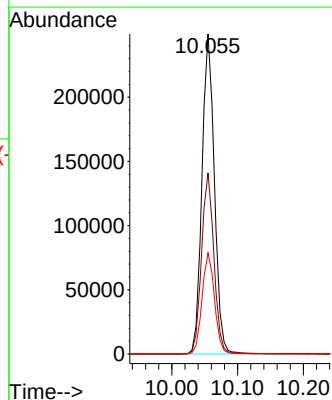
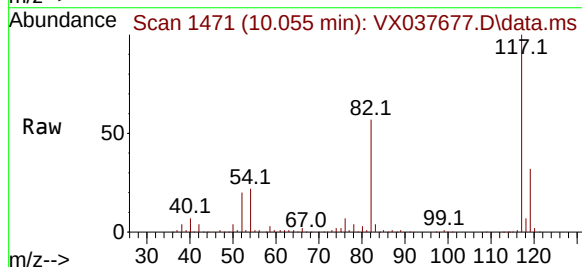
Instrument :
MSVOA_X
ClientSampleId :
1045-MW-17A(15.5)

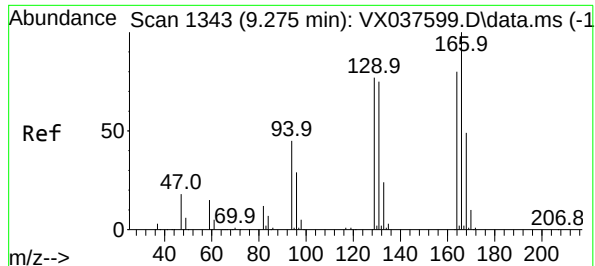
Tgt Ion: 95 Resp: 142674
Ion Ratio Lower Upper
95 100
174 76.7 0.0 135.6
176 74.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037677.D
Acq: 12 Sep 2023 18:39

Tgt Ion: 117 Resp: 327423
Ion Ratio Lower Upper
117 100
82 56.6 46.2 69.4
119 31.5 25.5 38.3





#64

Tetrachloroethene

Concen: 17.224 ug/l

RT: 9.275 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037677.D

Acq: 12 Sep 2023 18:39

Instrument :

MSVOA_X

ClientSampleId :

1045-MW-17A(15.5)

Tgt Ion:164 Resp: 36538

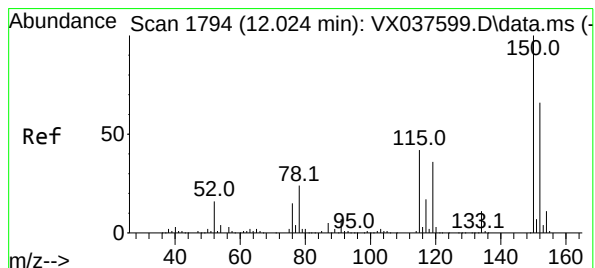
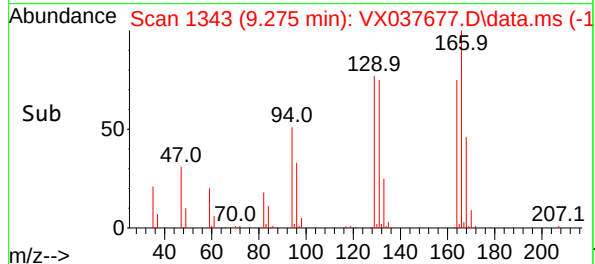
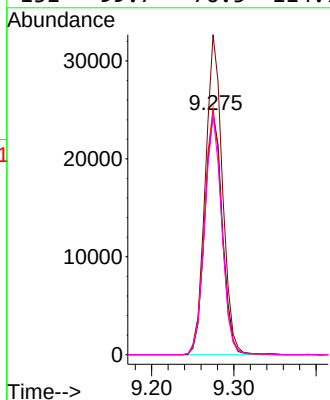
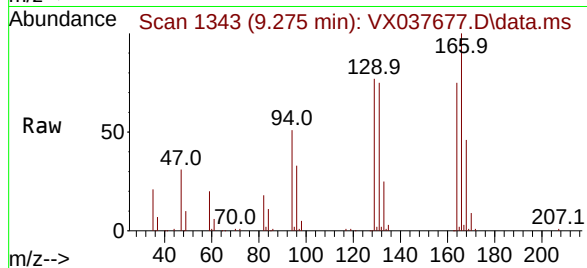
Ion Ratio Lower Upper

164 100

166 133.2 102.7 154.1

129 102.6 80.4 120.6

131 99.7 76.5 114.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX037677.D

Acq: 12 Sep 2023 18:39

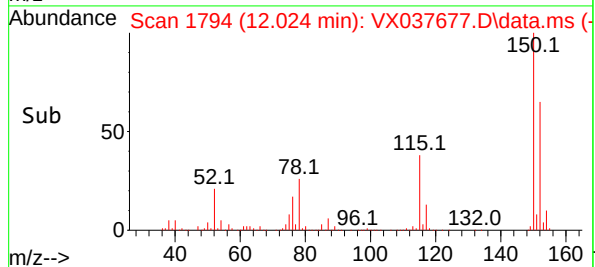
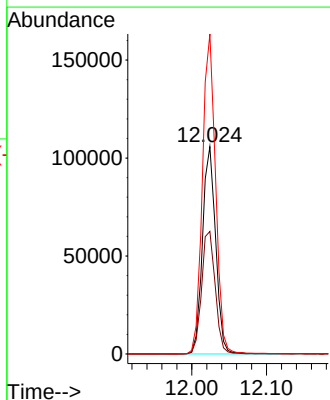
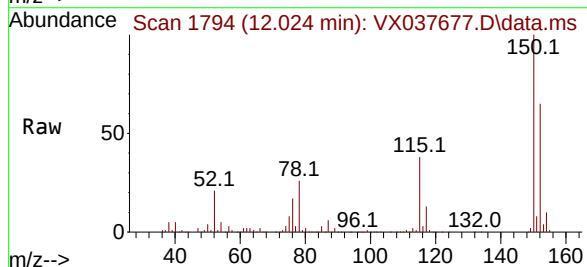
Tgt Ion:152 Resp: 129709

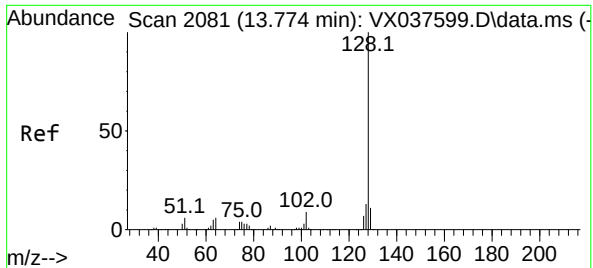
Ion Ratio Lower Upper

152 100

115 61.5 43.3 129.9

150 154.2 0.0 345.0





#95

Naphthalene

Concen: 0.356 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX037677.D

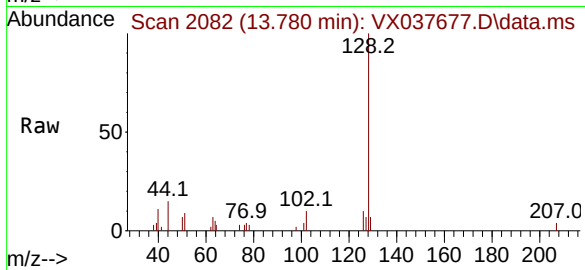
Acq: 12 Sep 2023 18:39

Instrument :

MSVOA_X

ClientSampleId :

1045-MW-17A(15.5)



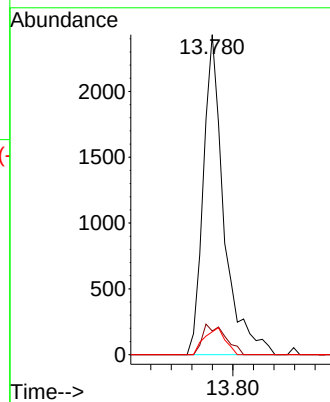
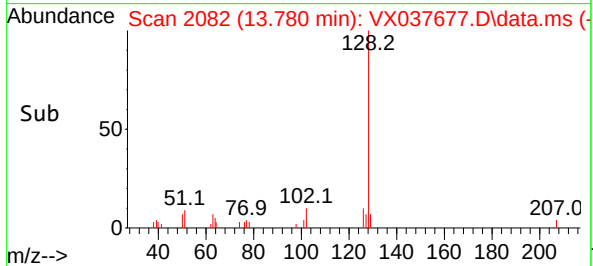
Tgt Ion:128 Resp: 3391

Ion Ratio Lower Upper

128 100

127 10.5 10.3 15.5

129 8.5 8.8 13.2#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037677.D
Acq On : 12 Sep 2023 18:39
Operator : JC/MD
Sample : 04373-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1045-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_X\Method\82X091123W.M

Title : SW846 8260

Signal : TIC: VX037677.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.374	41	47	54	rBV	26696	30557	2.64%	0.400%
2	1.569	69	79	85	rBV3	13130	32898	2.84%	0.430%
3	1.745	105	108	115	rVB3	10478	14109	1.22%	0.185%
4	2.379	206	212	221	rVB	14817	23960	2.07%	0.313%
5	2.538	231	238	248	rBV	6610	13386	1.15%	0.175%
6	4.489	547	558	569	rBV	253513	695418	60.00%	9.095%
7	5.391	693	706	721	rBV2	130856	388052	33.48%	5.075%
8	5.556	722	733	746	rVB	224604	635043	54.79%	8.306%
9	5.958	788	799	821	rBV	151754	408658	35.26%	5.345%
10	6.763	922	931	948	rBV	350853	846170	73.01%	11.067%
11	7.129	980	991	1011	rBV	248441	543709	46.91%	7.111%
12	8.580	1223	1229	1234	rBV	27651	45462	3.92%	0.595%
13	8.653	1234	1241	1250	rVV	730094	1159057	100.00%	15.159%
14	9.275	1334	1343	1354	rBV	211650	302799	26.12%	3.960%
15	10.055	1465	1471	1486	rBV	755427	998933	86.18%	13.065%
16	11.079	1634	1639	1651	rBV	539600	702397	60.60%	9.187%
17	12.024	1788	1794	1803	rBV	636608	805316	69.48%	10.533%

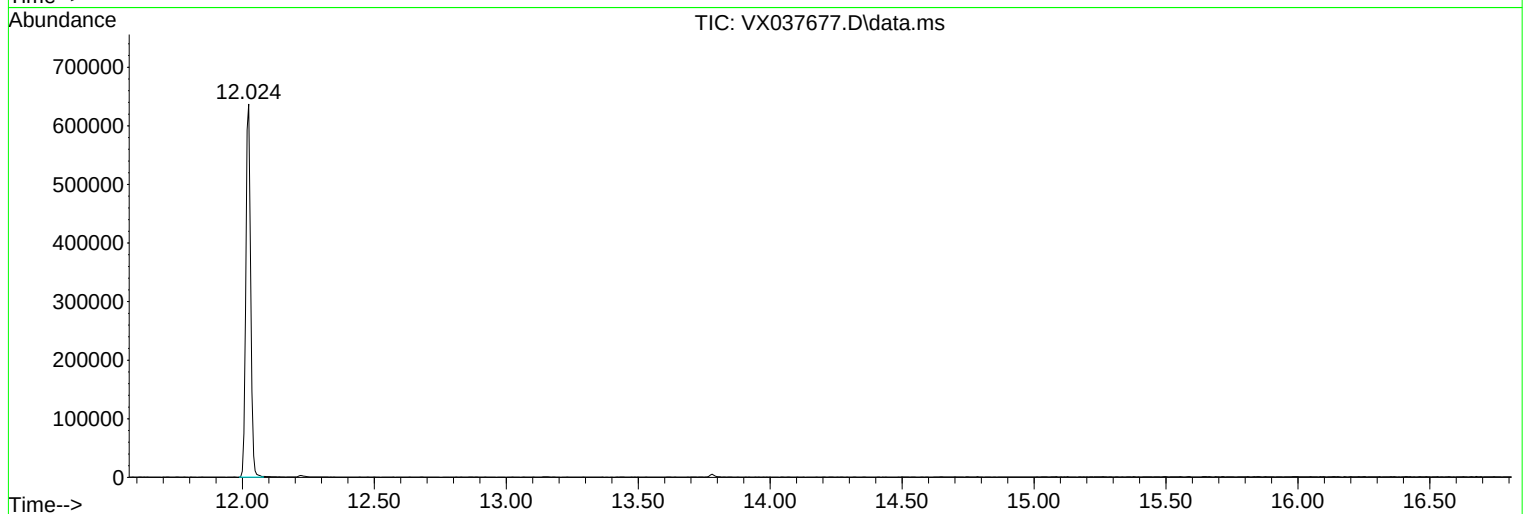
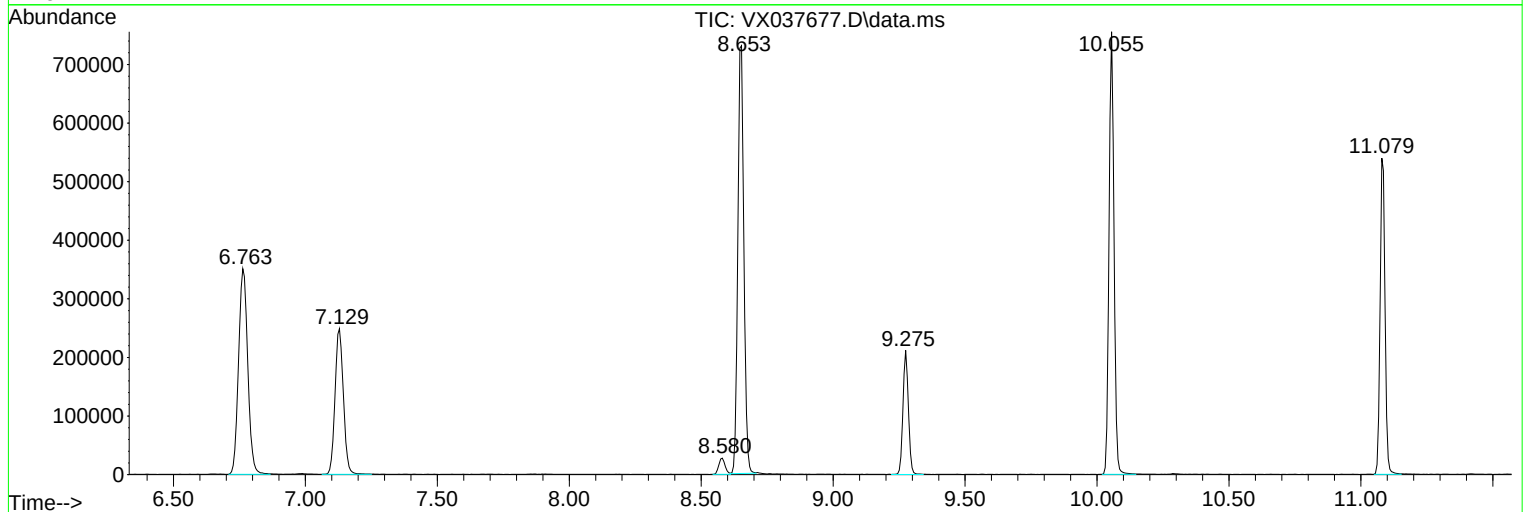
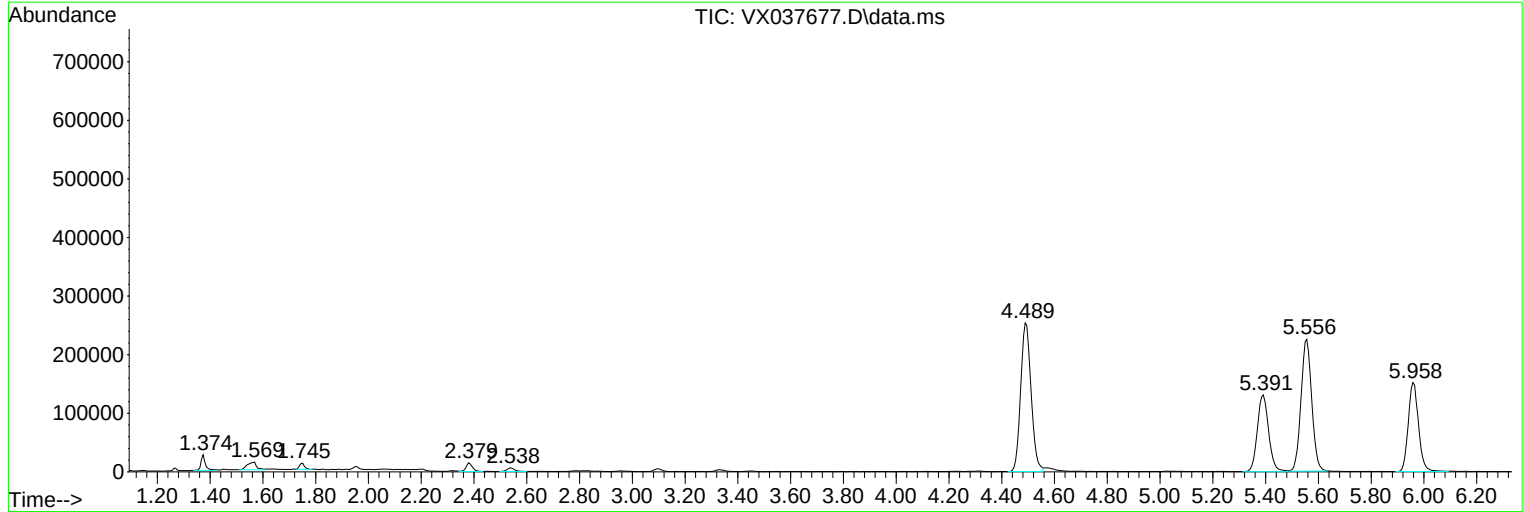
Sum of corrected areas: 7645924

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037677.D
Acq On : 12 Sep 2023 18:39
Operator : JC/MD
Sample : 04373-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1045-MW-17A(15.5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037677.D
Acq On : 12 Sep 2023 18:39
Operator : JC/MD
Sample : 04373-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1045-MW-17A(15.5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.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_X\Data\VX091223\
Data File : VX037677.D
Acq On : 12 Sep 2023 18:39
Operator : JC/MD
Sample : 04373-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1045-MW-17A(15.5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.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



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1046-FB090623	SDG No.:	O4373
Lab Sample ID:	O4373-06	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037692.D	1		09/13/23 14:04	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	31.0		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	10.5		1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.30	J	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1046-FB090623	SDG No.:	O4373
Lab Sample ID:	O4373-06	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037692.D	1		09/13/23 14:04	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	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	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	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	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.4		74 - 125	85%	SPK: 50
1868-53-7	Dibromofluoromethane	45.0		75 - 124	90%	SPK: 50
2037-26-5	Toluene-d8	45.2		86 - 113	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.7		64 - 133	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	228000	5.556			
540-36-3	1,4-Difluorobenzene	391000	6.763			
3114-55-4	Chlorobenzene-d5	350000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	149000	12.024			
TENTATIVE IDENTIFIED COMPOUNDS						
000104-76-7	1-Hexanol, 2-ethyl-	10.7	J		12.2	ug/L
91-20-3	Naphthalene	22.3	J		13.8	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1046-FB090623	SDG No.:	O4373
Lab Sample ID:	O4373-06	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037692.D	1		09/13/23 14:04	VX091323

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_X\Data\VX091323\
 Data File : VX037692.D
 Acq On : 13 Sep 2023 14:04
 Operator : JC/MD
 Sample : 04373-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1046-FB090623

Quant Time: Sep 14 02:19:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

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

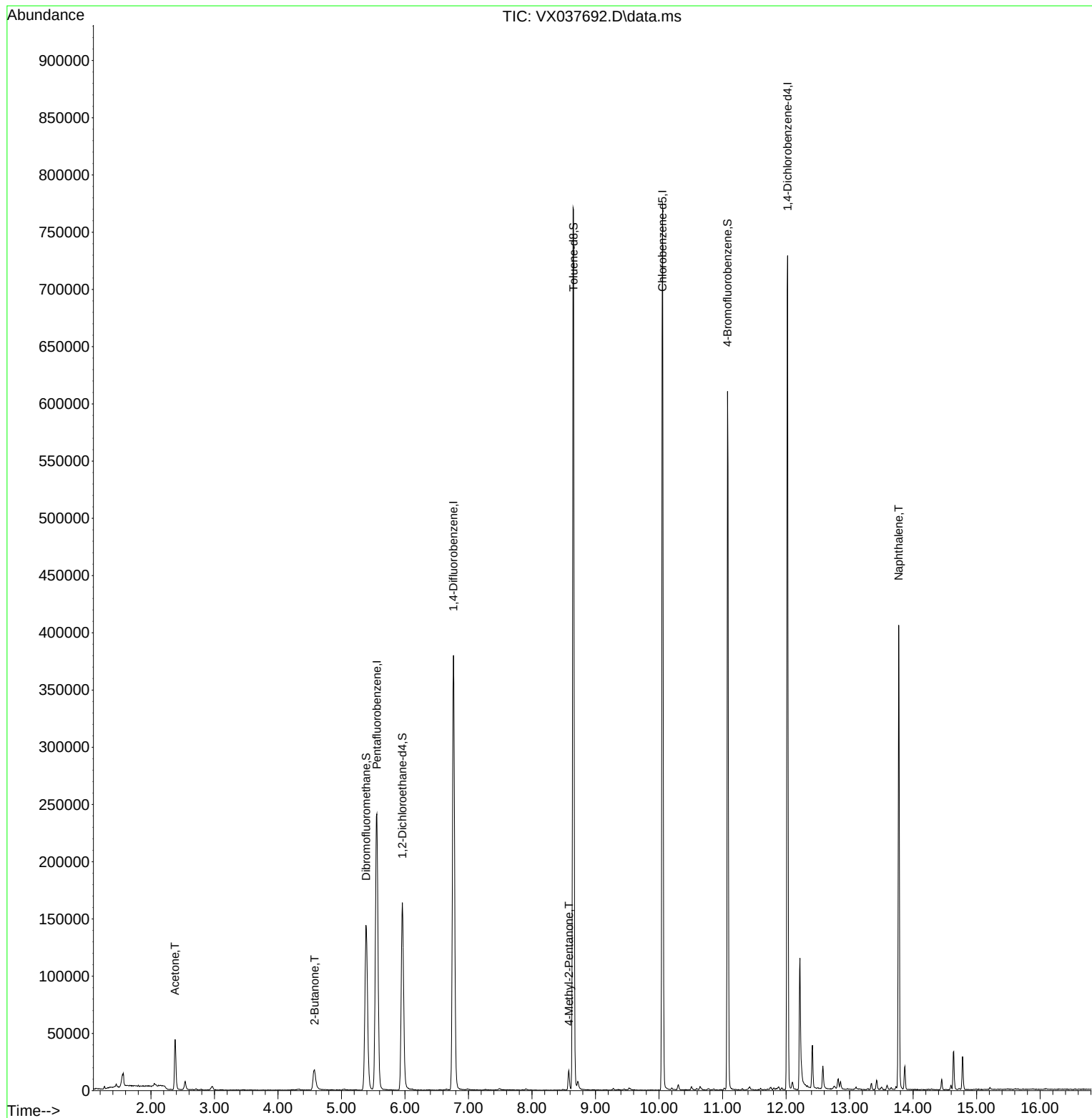
Internal Standards						
1) Pentafluorobenzene	5.556	168	227637	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	391228	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	349504	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	149380	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	156128	42.391	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.780%		
35) Dibromofluoromethane	5.385	113	124848	45.022	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.040%		
50) Toluene-d8	8.653	98	472418	45.171	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.340%#		
62) 4-Bromofluorobenzene	11.079	95	157212	41.666	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	83.340%		
Target Compounds						
					Qvalue	
16) Acetone	2.380	43	46149	30.994	ug/l	92
25) 2-Butanone	4.574	43	25524	10.513	ug/l	92
51) 4-Methyl-2-Pentanone	8.580	43	10253	2.267	ug/l	97
95) Naphthalene	13.774	128	244401	22.251	ug/l	98

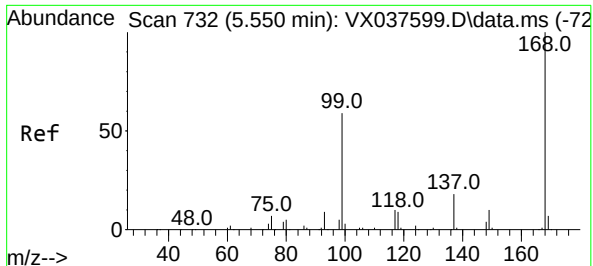
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037692.D
Acq On : 13 Sep 2023 14:04
Operator : JC/MD
Sample : 04373-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1046-FB090623

Quant Time: Sep 14 02:19:59 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX037692.D

Acq: 13 Sep 2023 14:04

Instrument :

MSVOA_X

ClientSampleId :

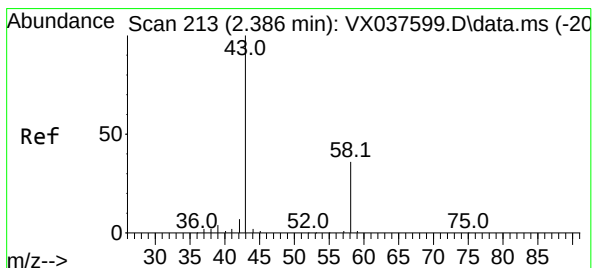
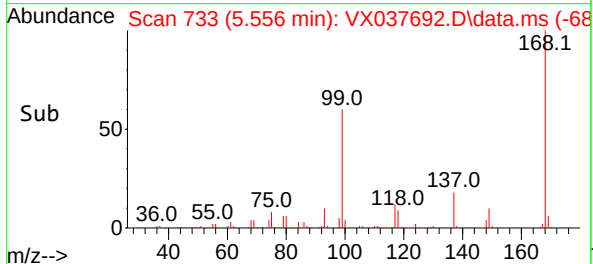
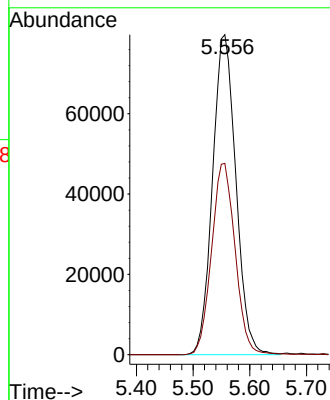
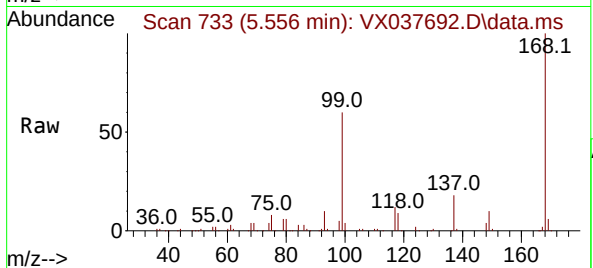
1046-FB090623

Tgt Ion:168 Resp: 227637

Ion Ratio Lower Upper

168 100

99 59.8 56.6 85.0



#16

Acetone

Concen: 30.994 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX037692.D

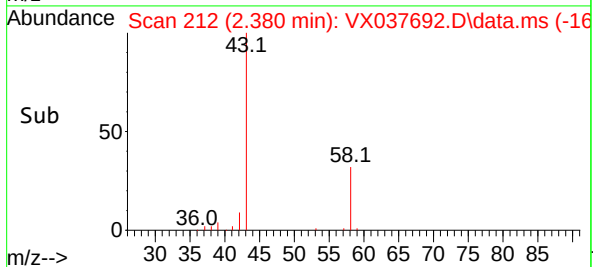
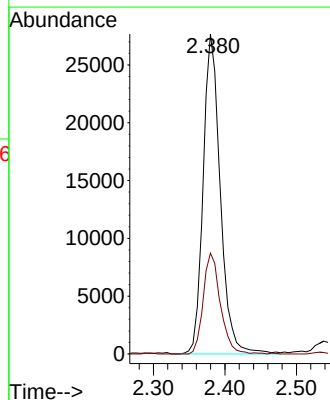
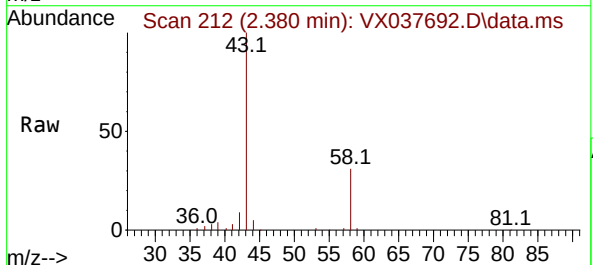
Acq: 13 Sep 2023 14:04

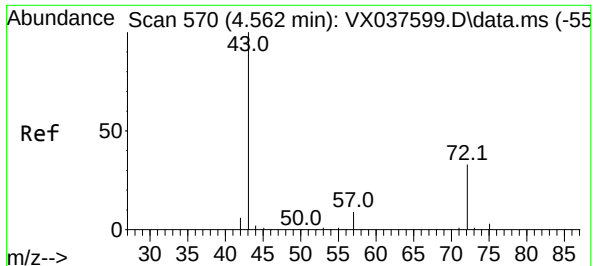
Tgt Ion: 43 Resp: 46149

Ion Ratio Lower Upper

43 100

58 31.5 21.9 32.9





#25

2-Butanone

Concen: 10.513 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX037692.D

Acq: 13 Sep 2023 14:04

Instrument :

MSVOA_X

ClientSampleId :

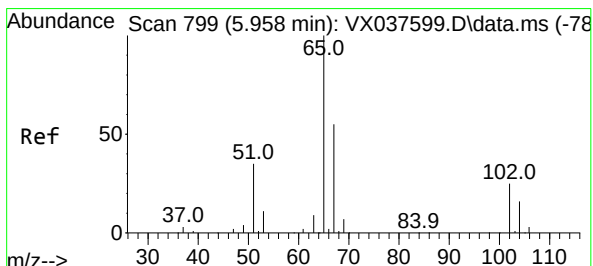
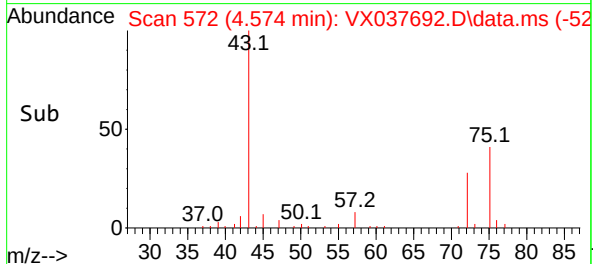
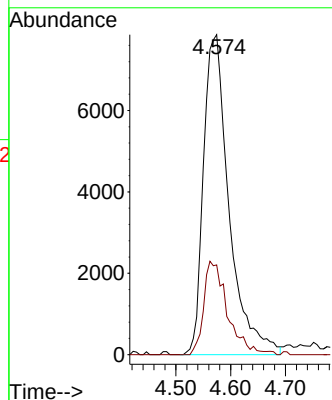
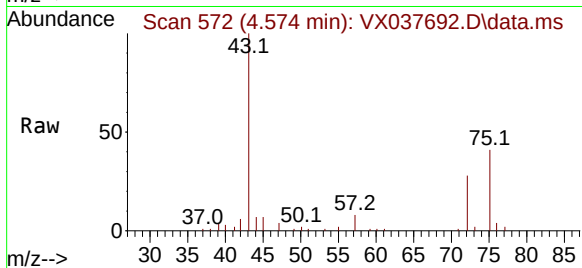
1046-FB090623

Tgt Ion: 43 Resp: 25524

Ion Ratio Lower Upper

43 100

72 28.0 19.4 29.2



#33

1,2-Dichloroethane-d4

Concen: 42.391 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037692.D

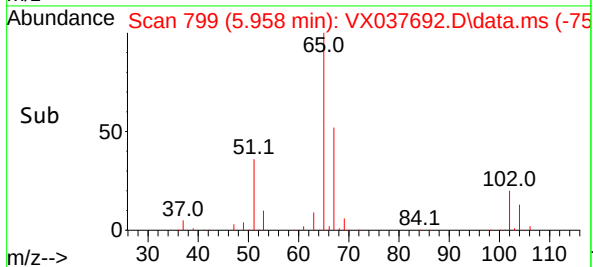
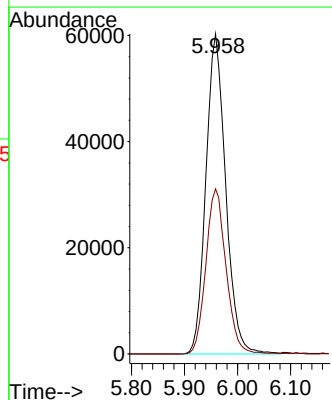
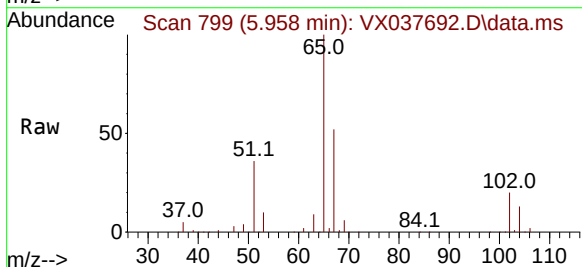
Acq: 13 Sep 2023 14:04

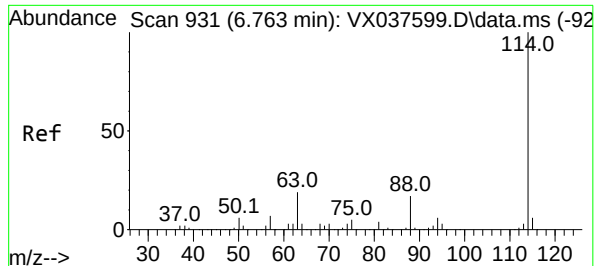
Tgt Ion: 65 Resp: 156128

Ion Ratio Lower Upper

65 100

67 52.6 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX037692.D

Acq: 13 Sep 2023 14:04

Instrument :

MSVOA_X

ClientSampleId :

1046-FB090623

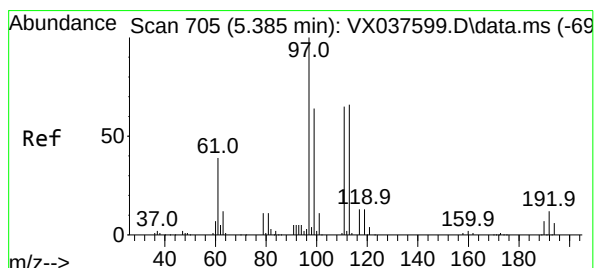
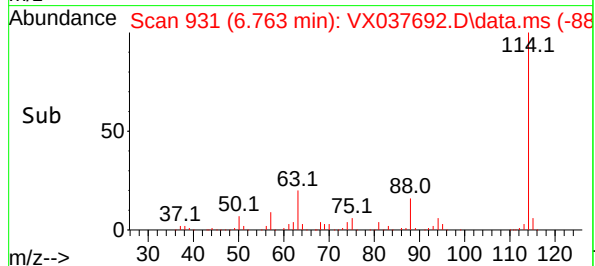
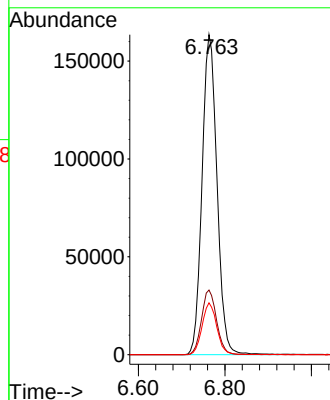
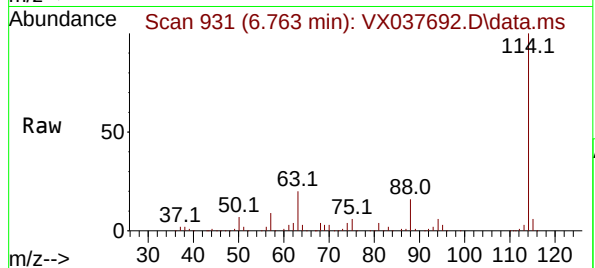
Tgt Ion:114 Resp: 391228

Ion Ratio Lower Upper

114 100

63 20.2 0.0 45.0

88 16.2 0.0 36.6



#35

Dibromofluoromethane

Concen: 45.022 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX037692.D

Acq: 13 Sep 2023 14:04

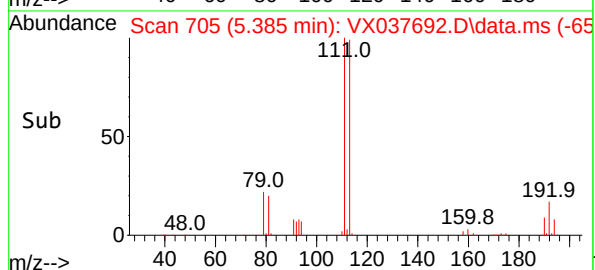
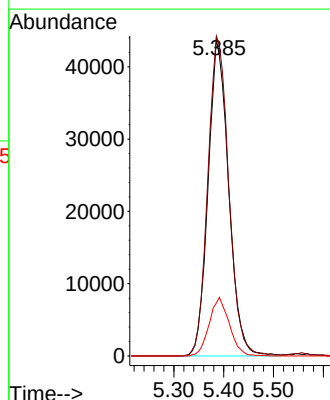
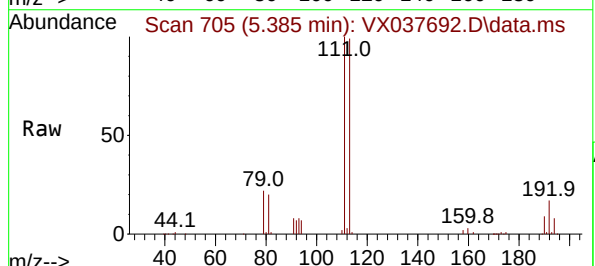
Tgt Ion:113 Resp: 124848

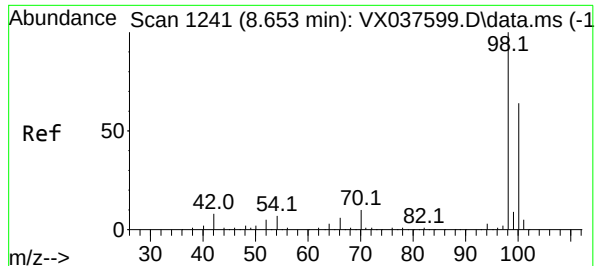
Ion Ratio Lower Upper

113 100

111 103.4 82.9 124.3

192 18.2 13.3 19.9





#50

Toluene-d8

Concen: 45.171 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX037692.D

Acq: 13 Sep 2023 14:04

Instrument :

MSVOA_X

ClientSampleId :

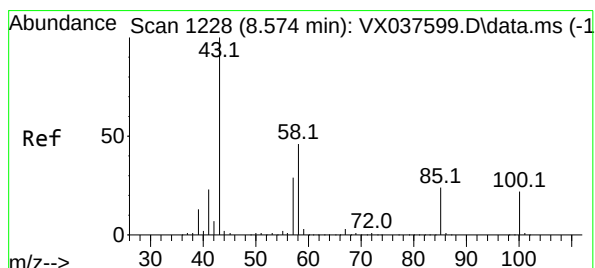
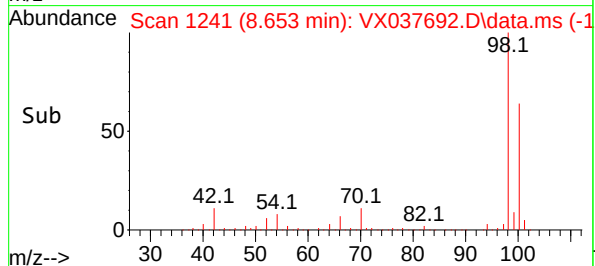
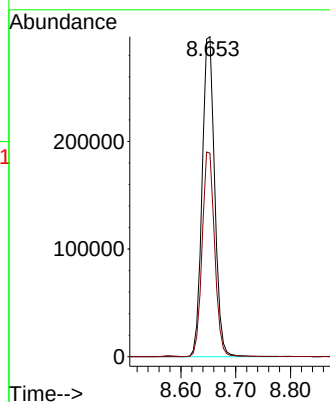
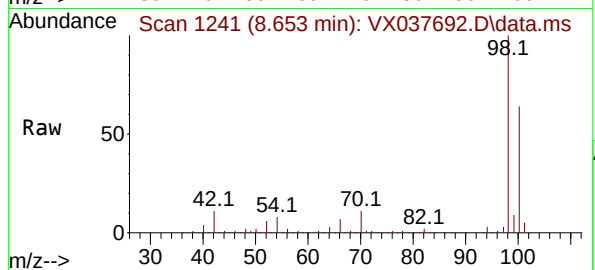
1046-FB090623

Tgt Ion: 98 Resp: 472418

Ion Ratio Lower Upper

98 100

100 63.7 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 2.267 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX037692.D

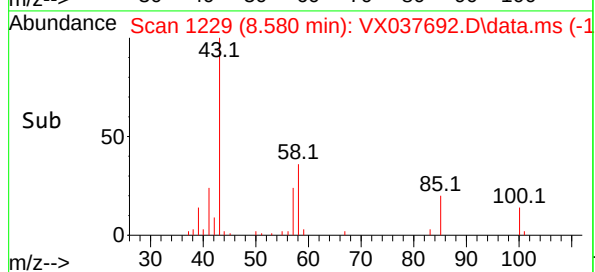
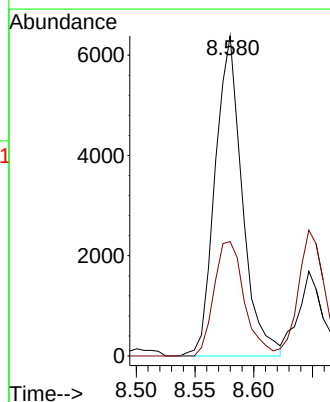
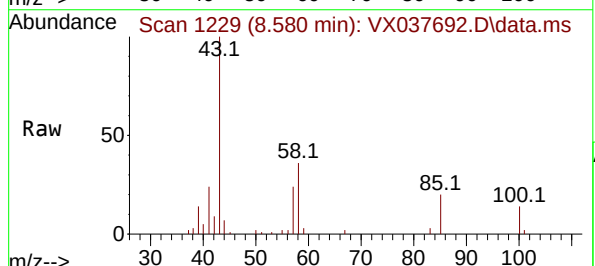
Acq: 13 Sep 2023 14:04

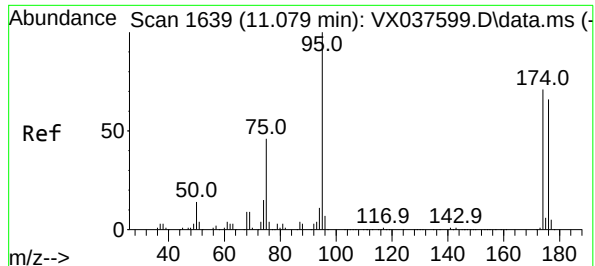
Tgt Ion: 43 Resp: 10253

Ion Ratio Lower Upper

43 100

58 39.7 30.4 45.6

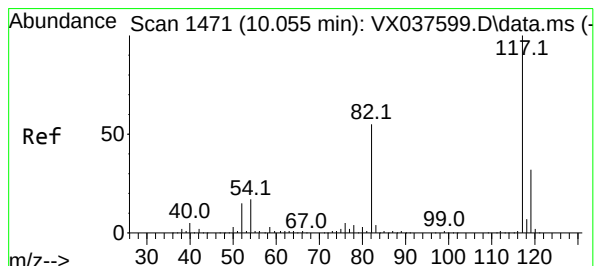
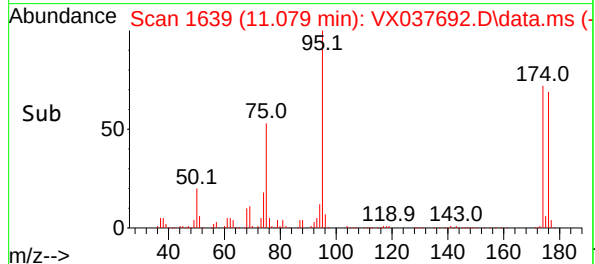
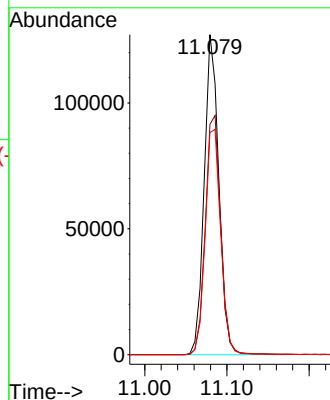
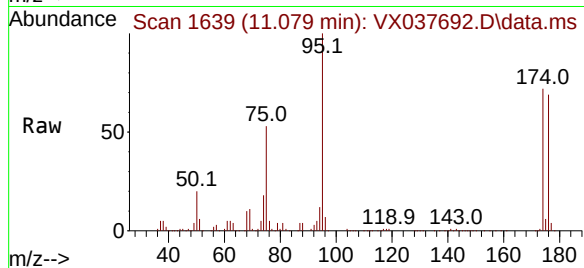




#62
4-Bromofluorobenzene
Concen: 41.666 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037692.D
Acq: 13 Sep 2023 14:04

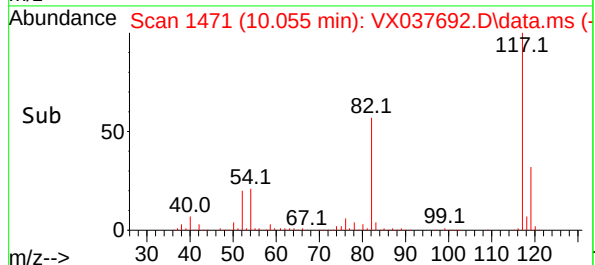
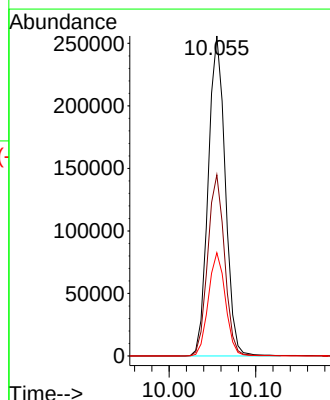
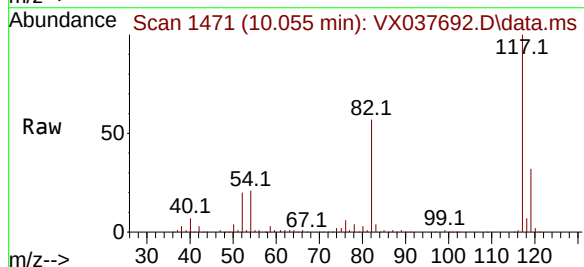
Instrument :
MSVOA_X
ClientSampleId :
1046-FB090623

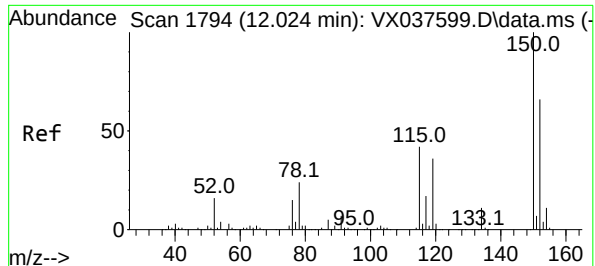
Tgt Ion: 95 Resp: 157212
Ion Ratio Lower Upper
95 100
174 78.9 0.0 135.6
176 74.7 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037692.D
Acq: 13 Sep 2023 14:04

Tgt Ion: 117 Resp: 349504
Ion Ratio Lower Upper
117 100
82 56.6 46.2 69.4
119 32.3 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037692.D

Acq: 13 Sep 2023 14:04

Instrument :

MSVOA_X

ClientSampleId :

1046-FB090623

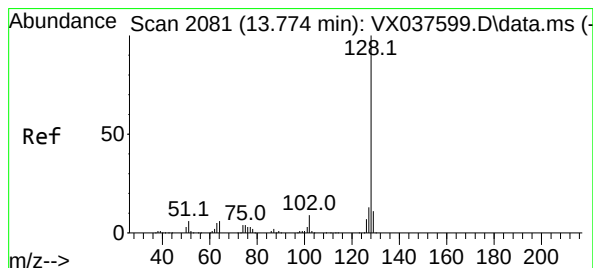
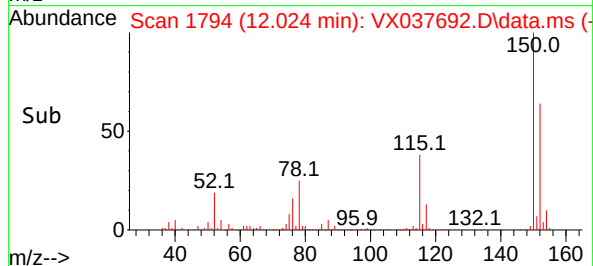
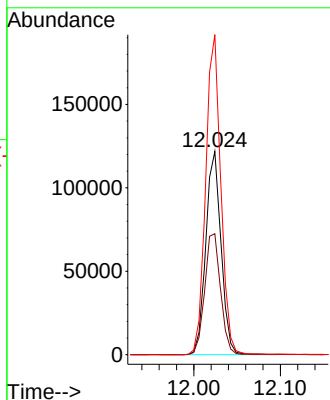
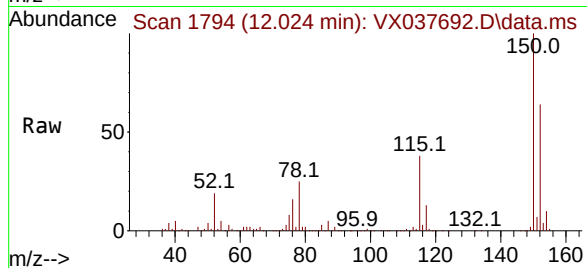
Tgt Ion:152 Resp: 149380

Ion Ratio Lower Upper

152 100

115 61.9 43.3 129.9

150 155.8 0.0 345.0



#95

Naphthalene

Concen: 22.251 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX037692.D

Acq: 13 Sep 2023 14:04

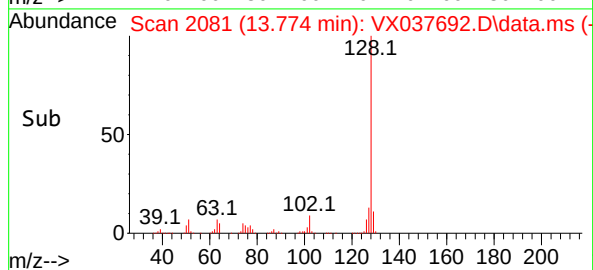
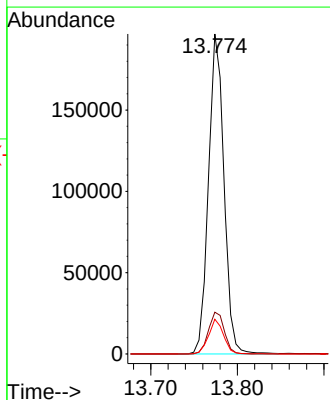
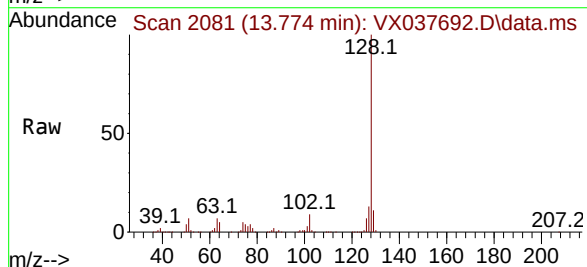
Tgt Ion:128 Resp: 244401

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

129 10.4 8.8 13.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037692.D
Acq On : 13 Sep 2023 14:04
Operator : JC/MD
Sample : 04373-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1046-FB090623

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_X\Method\82X091123W.M
Title : SW846 8260

Signal : TIC: VX037692.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.563	67	78	83	rBV	12389	30653	2.49%	0.405%
2	2.380	205	212	227	rBV	44010	73201	5.94%	0.967%
3	2.538	229	238	244	rBV	7163	13248	1.08%	0.175%
4	4.574	561	572	591	rBV2	17750	59008	4.79%	0.780%
5	5.385	693	705	722	rBV	144009	419417	34.05%	5.541%
6	5.556	722	733	749	rVB	240750	691132	56.10%	9.130%
7	5.958	787	799	818	rBV	163785	436944	35.47%	5.772%
8	6.763	921	931	947	rBV	379499	906647	73.60%	11.978%
9	8.580	1222	1229	1234	rBV	17214	27954	2.27%	0.369%
10	8.647	1234	1240	1249	rVV	770830	1231893	100.00%	16.274%
11	8.720	1249	1252	1262	rVB	6993	13594	1.10%	0.180%
12	10.055	1465	1471	1487	rBV	775212	1064136	86.38%	14.058%
13	11.079	1634	1639	1649	rBV	609852	774215	62.85%	10.228%
14	12.024	1788	1794	1801	rBV	728650	925305	75.11%	12.224%
15	12.219	1821	1826	1843	rBV	114960	197828	16.06%	2.613%
16	12.414	1853	1858	1865	rVB	37138	48357	3.93%	0.639%
17	12.579	1880	1885	1898	rVB2	20236	29688	2.41%	0.392%
18	12.823	1919	1925	1928	rBV5	8304	13288	1.08%	0.176%
19	13.774	2076	2081	2092	rVB	405289	501298	40.69%	6.623%
20	13.872	2092	2097	2104	rVB	20198	27371	2.22%	0.362%
21	14.640	2219	2223	2232	rVB	33407	45940	3.73%	0.607%
22	14.780	2241	2246	2254	rVB2	28913	38426	3.12%	0.508%

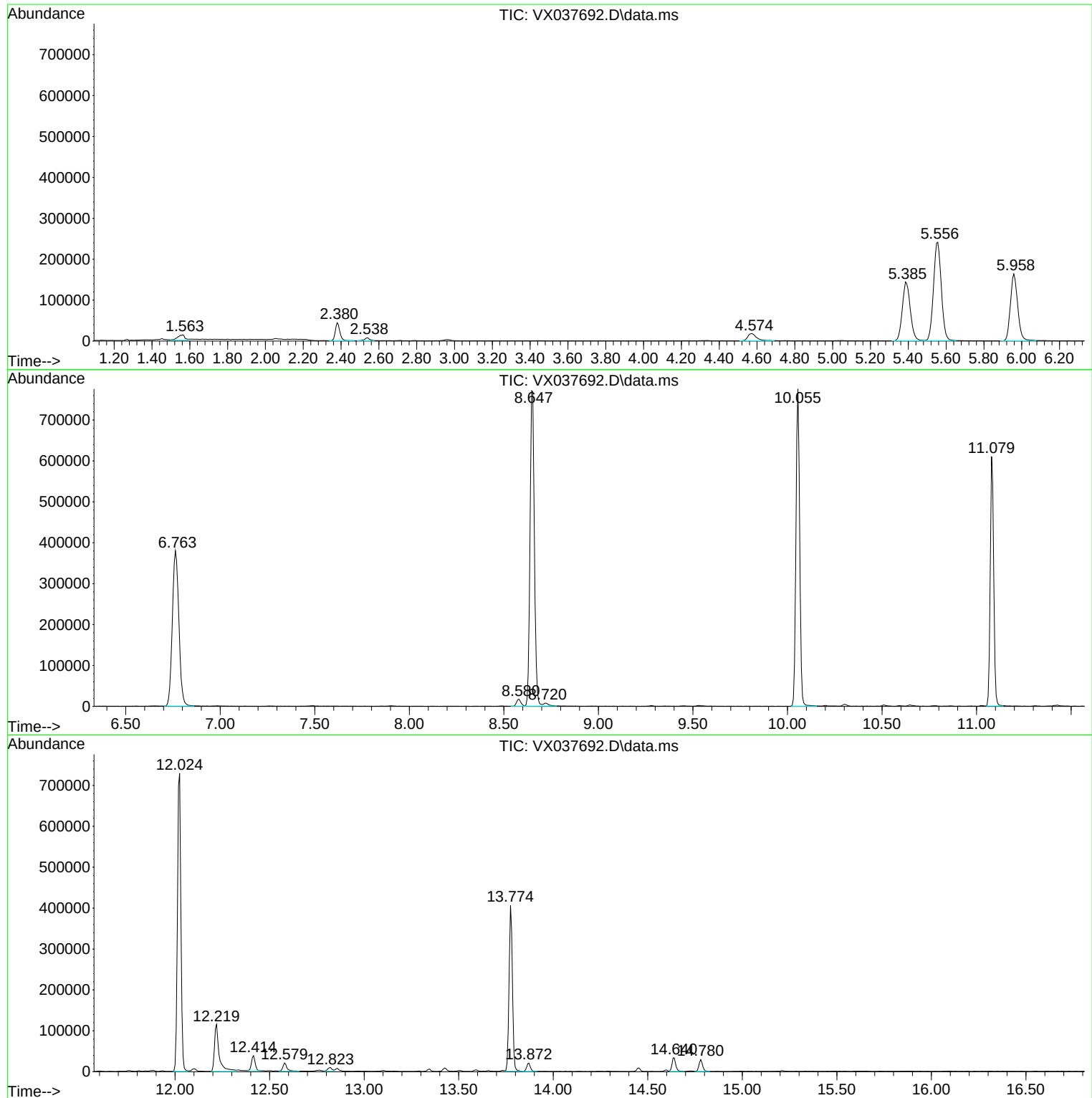
Sum of corrected areas: 7569543

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037692.D
Acq On : 13 Sep 2023 14:04
Operator : JC/MD
Sample : 04373-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1046-FB090623

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037692.D
Acq On : 13 Sep 2023 14:04
Operator : JC/MD
Sample : 04373-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1046-FB090623

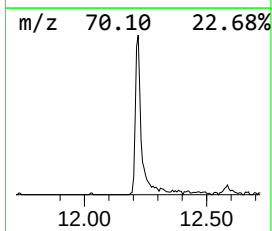
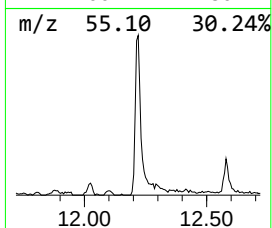
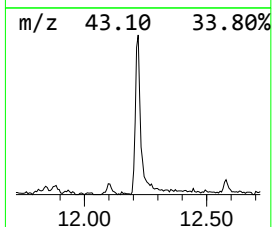
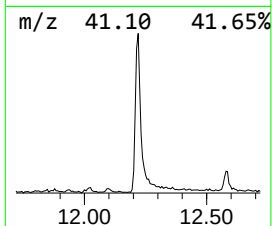
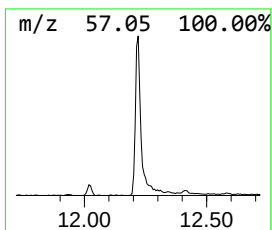
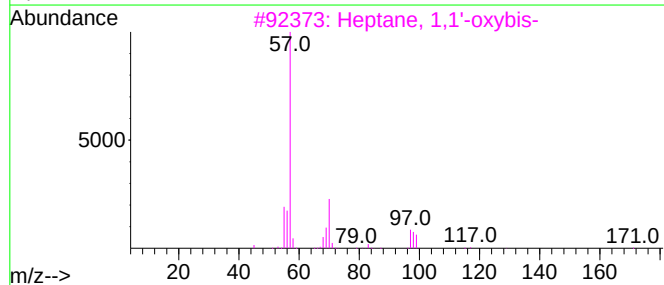
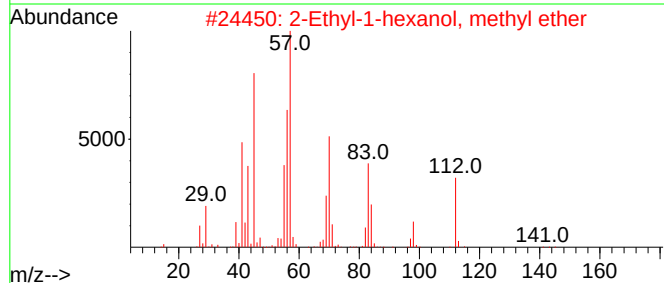
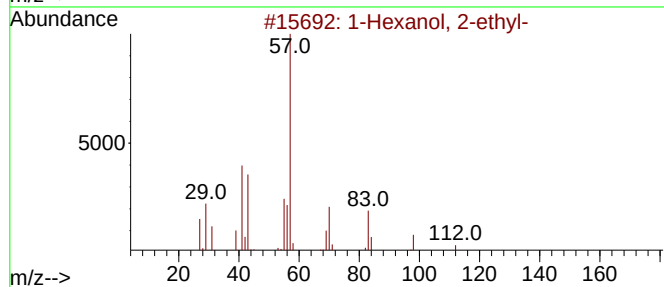
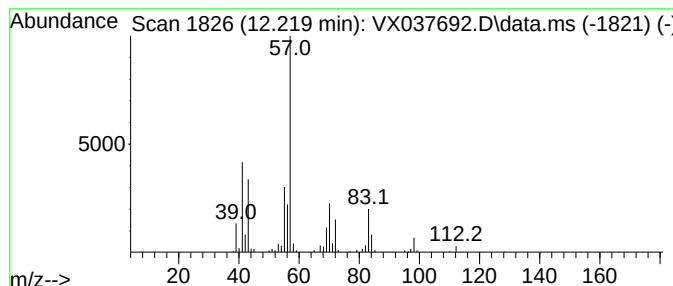
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.219	10.69 ug/l	197828	1,4-Dichlorobenzene-d4	12.024

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	86
2		2-Ethyl-1-hexanol, methyl ether	144	C9H20O	1000365-10-2	50
3		Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	50
4		1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	50
5		2-Propyl-1-pentanol	130	C8H18O	058175-57-8	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037692.D
Acq On : 13 Sep 2023 14:04
Operator : JC/MD
Sample : 04373-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1046-FB090623

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.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
1-Hexanol, 2-et...	12.219	10.7	ug/l	197828	4	12.024	925305	50.0



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1047-TB-090623	SDG No.:	O4373
Lab Sample ID:	O4373-07	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037667.D	1		09/12/23 14:35	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	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	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1047-TB-090623	SDG No.:	O4373
Lab Sample ID:	O4373-07	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037667.D	1		09/12/23 14:35	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	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	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	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	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.4		74 - 125	93%	SPK: 50
1868-53-7	Dibromofluoromethane	45.6		75 - 124	91%	SPK: 50
2037-26-5	Toluene-d8	46.1		86 - 113	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.5		64 - 133	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	186000	5.55			
540-36-3	1,4-Difluorobenzene	337000	6.763			
3114-55-4	Chlorobenzene-d5	308000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	124000	12.024			
TENTATIVE IDENTIFIED COMPOUNDS						
91-20-3	Naphthalene	1.10	J		13.8	ug/L



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Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037667.D	1		09/12/23 14:35	VX091223

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_X\Data\VX091223\
Data File : VX037667.D
Acq On : 12 Sep 2023 14:35
Operator : JC/MD
Sample : 04373-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1047-TB-090623

Quant Time: Sep 13 01:45:04 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration

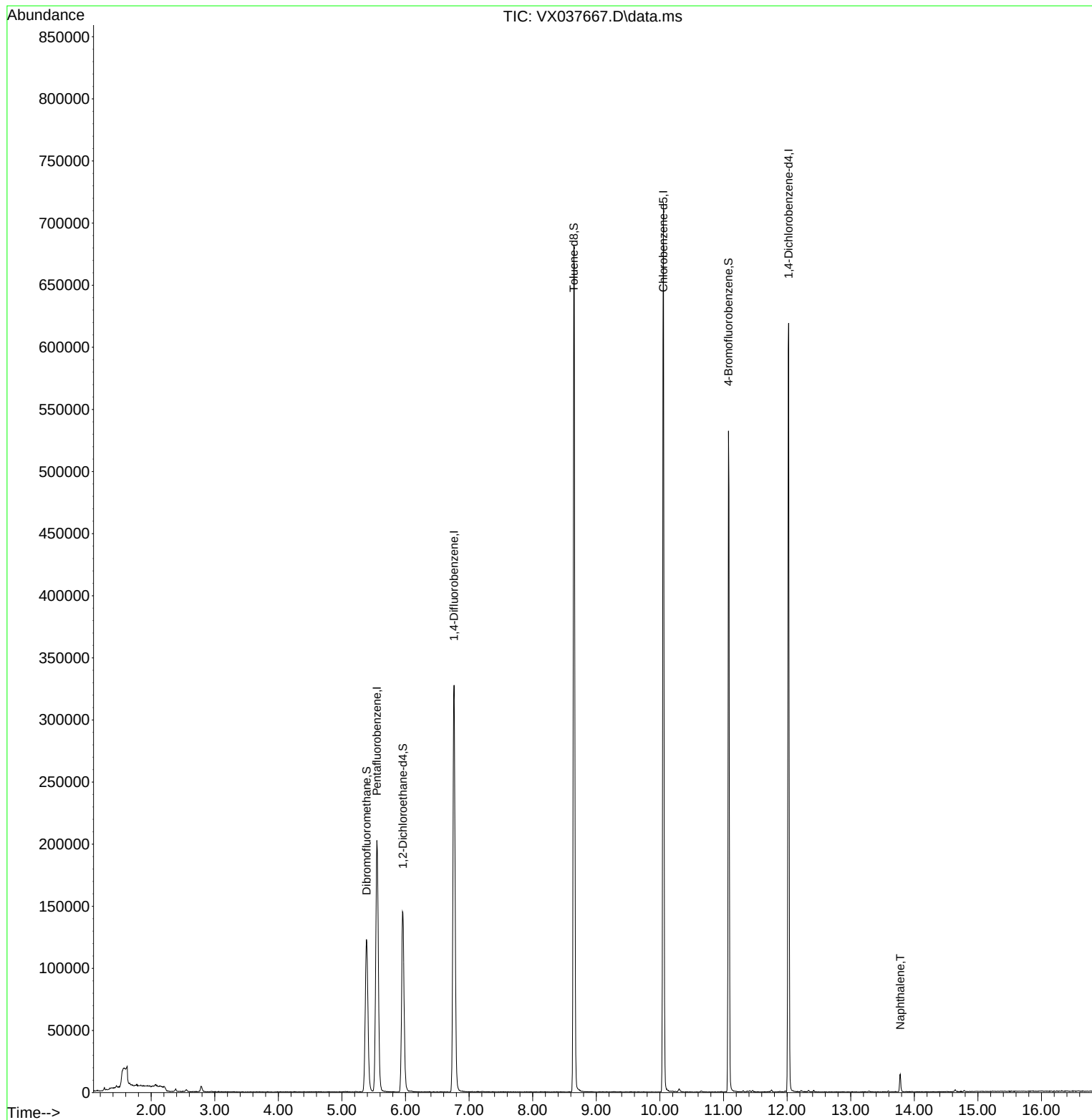
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	186256	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	336924	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	308251	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	123845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	139861	46.412	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	92.820%	
35) Dibromofluoromethane	5.385	113	108871	45.588	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	91.180%	
50) Toluene-d8	8.647	98	415461	46.128	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	92.260%	
62) 4-Bromofluorobenzene	11.079	95	138237	42.542	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	85.080%	
Target Compounds						
95) Naphthalene	13.780	128	9861	1.083	ug/l	Qvalue 99

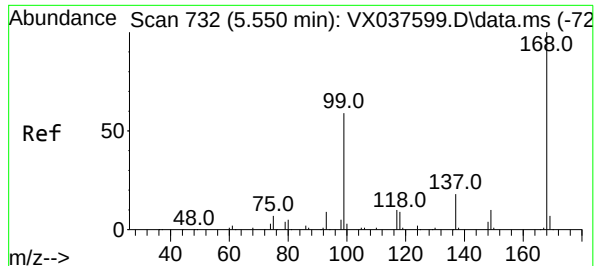
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037667.D
Acq On : 12 Sep 2023 14:35
Operator : JC/MD
Sample : 04373-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1047-TB-090623

Quant Time: Sep 13 01:45:04 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration

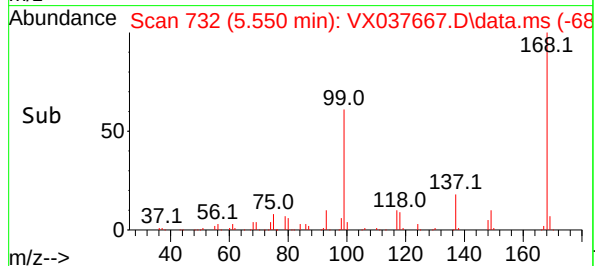
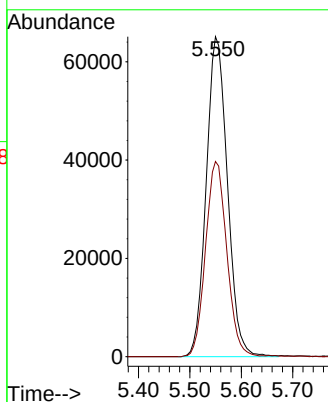
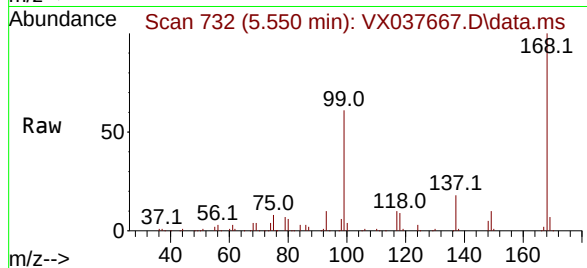




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.000 min
Lab File: VX037667.D
Acq: 12 Sep 2023 14:35

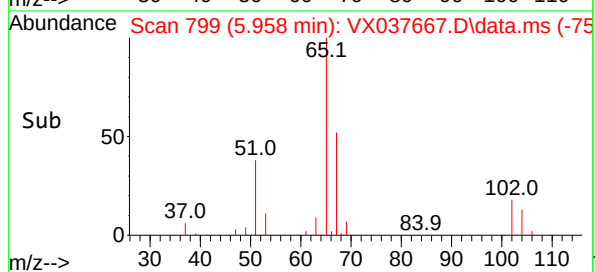
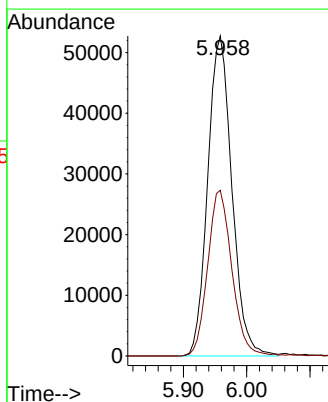
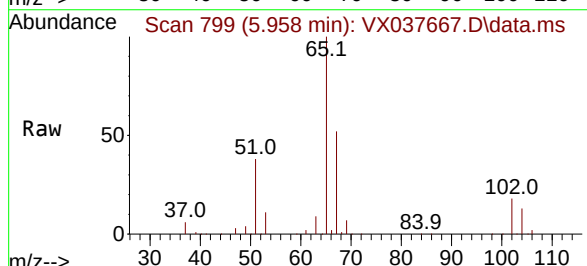
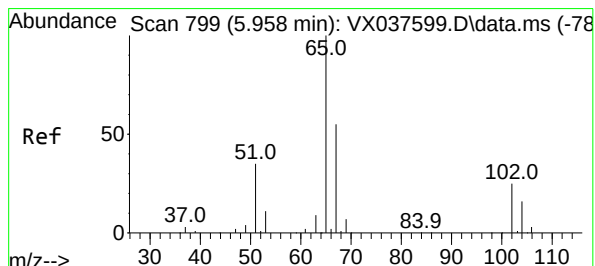
Instrument :
MSVOA_X
ClientSampleId :
1047-TB-090623

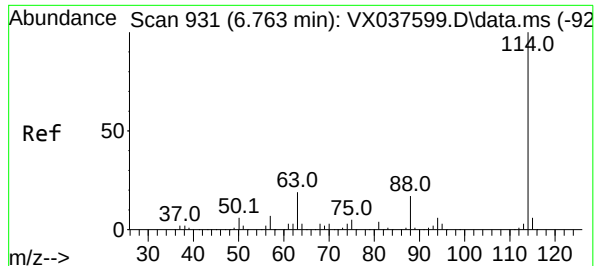
Tgt Ion:168 Resp: 186256
Ion Ratio Lower Upper
168 100
99 61.0 56.6 85.0



#33
1,2-Dichloroethane-d4
Concen: 46.412 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037667.D
Acq: 12 Sep 2023 14:35

Tgt Ion: 65 Resp: 139861
Ion Ratio Lower Upper
65 100
67 51.9 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX037667.D

Acq: 12 Sep 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

1047-TB-090623

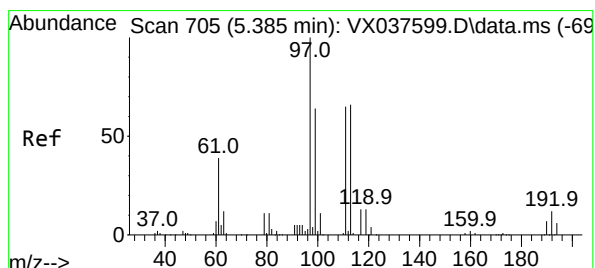
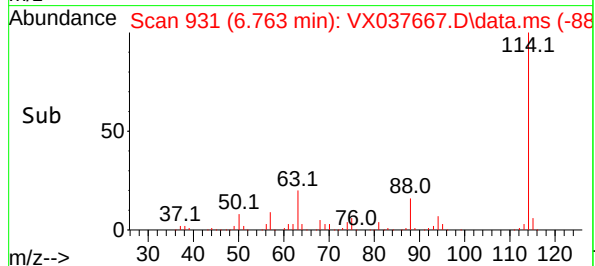
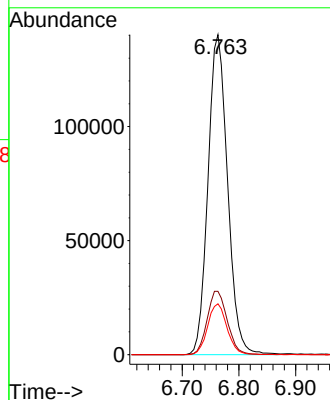
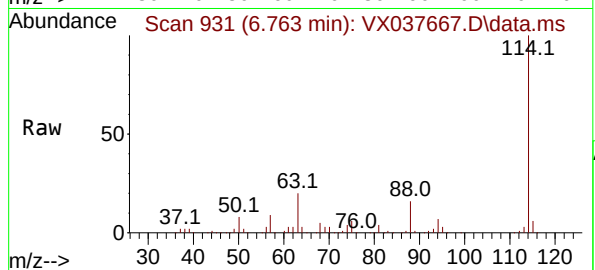
Tgt Ion:114 Resp: 336924

Ion Ratio Lower Upper

114 100

63 19.8 0.0 45.0

88 15.9 0.0 36.6



#35

Dibromofluoromethane

Concen: 45.588 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX037667.D

Acq: 12 Sep 2023 14:35

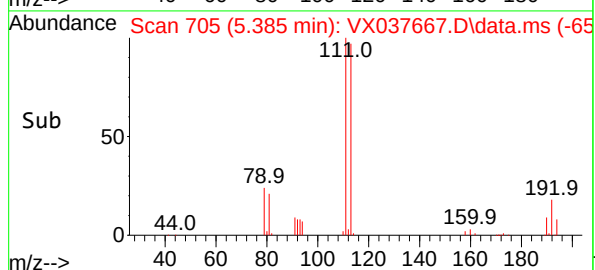
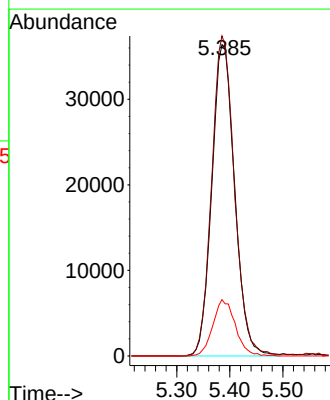
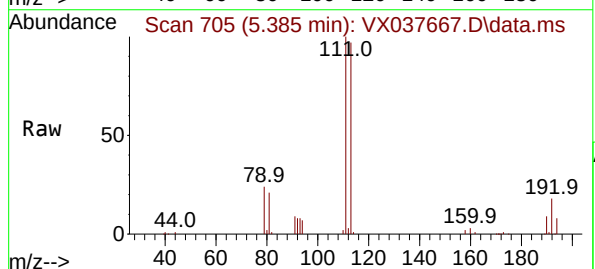
Tgt Ion:113 Resp: 108871

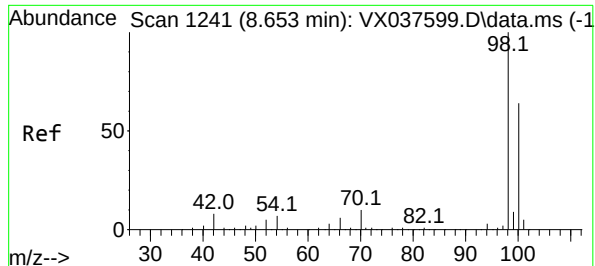
Ion Ratio Lower Upper

113 100

111 102.6 82.9 124.3

192 17.8 13.3 19.9





#50

Toluene-d8

Concen: 46.128 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX037667.D

Acq: 12 Sep 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

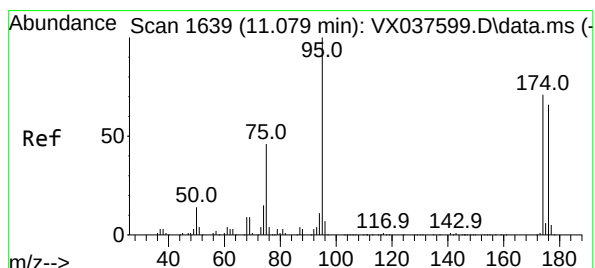
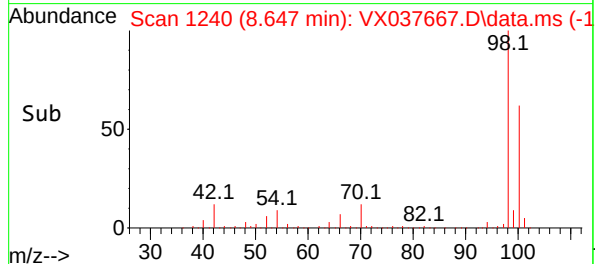
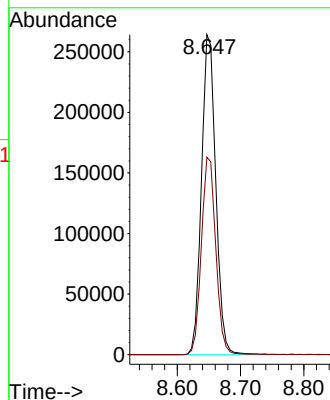
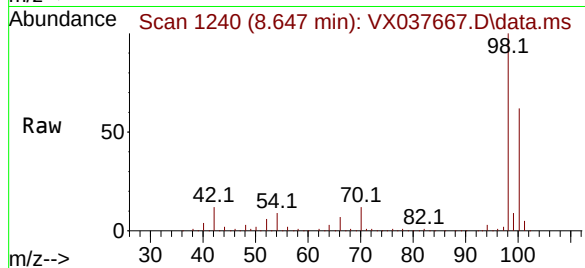
1047-TB-090623

Tgt Ion: 98 Resp: 415461

Ion Ratio Lower Upper

98 100

100 62.5 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 42.542 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX037667.D

Acq: 12 Sep 2023 14:35

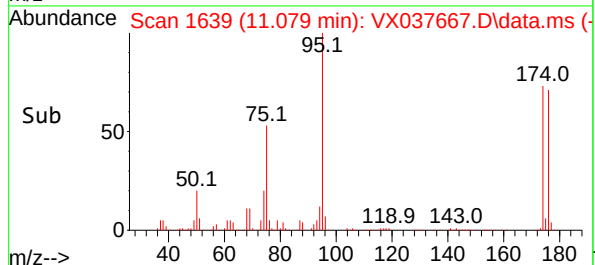
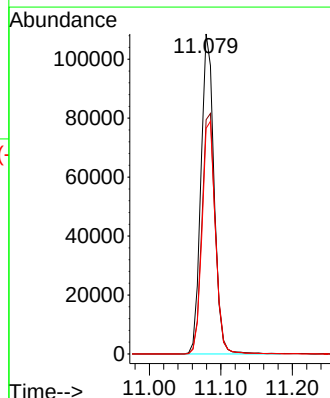
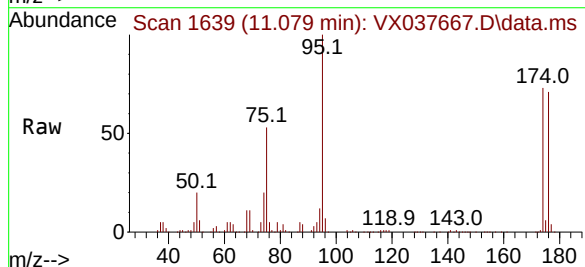
Tgt Ion: 95 Resp: 138237

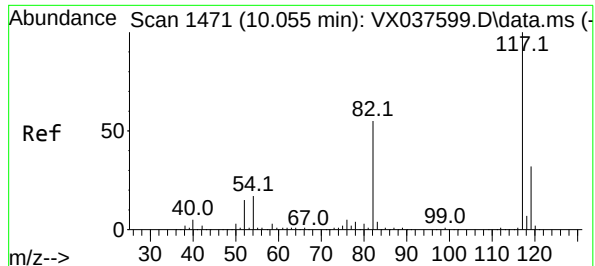
Ion Ratio Lower Upper

95 100

174 76.9 0.0 135.6

176 74.2 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX037667.D

Acq: 12 Sep 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

1047-TB-090623

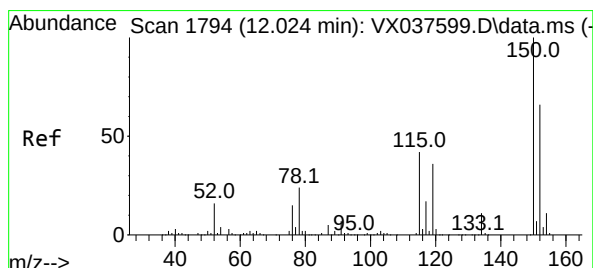
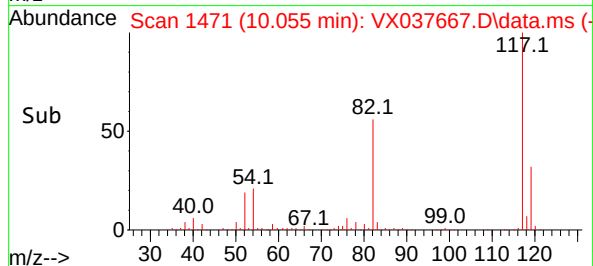
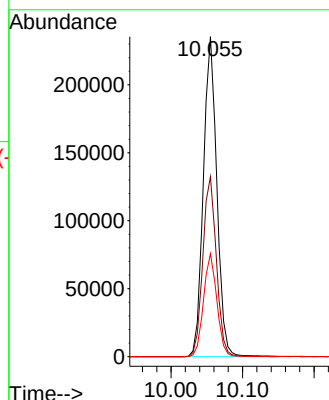
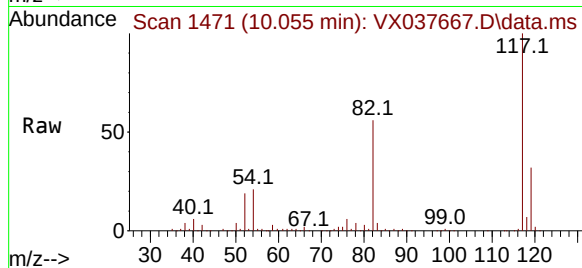
Tgt Ion:117 Resp: 308251

Ion Ratio Lower Upper

117 100

82 56.3 46.2 69.4

119 32.2 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX037667.D

Acq: 12 Sep 2023 14:35

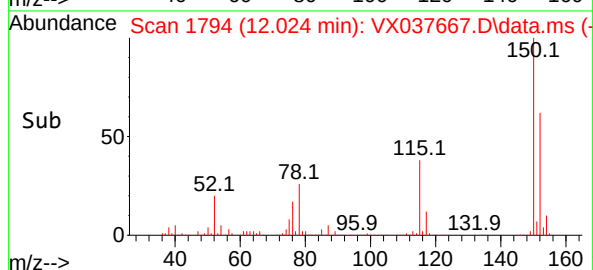
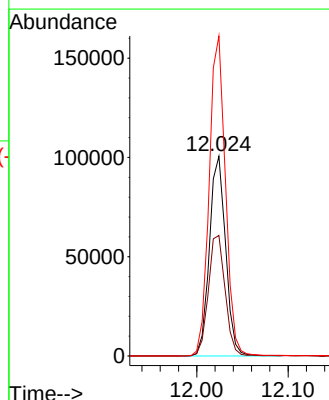
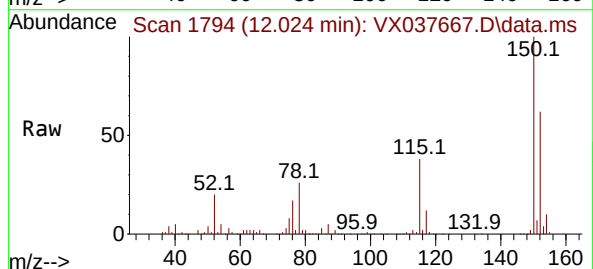
Tgt Ion:152 Resp: 123845

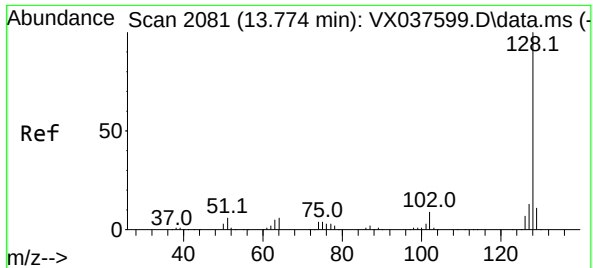
Ion Ratio Lower Upper

152 100

115 62.8 43.3 129.9

150 160.8 0.0 345.0





#95

Naphthalene

Concen: 1.083 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX037667.D

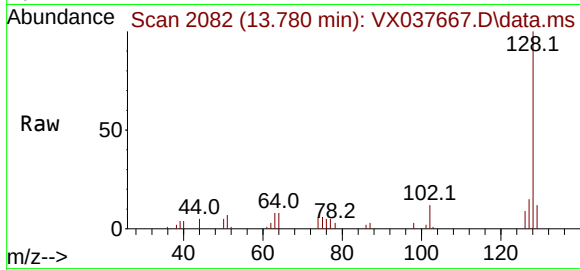
Acq: 12 Sep 2023 14:35

Instrument :

MSVOA_X

ClientSampleId :

1047-TB-090623



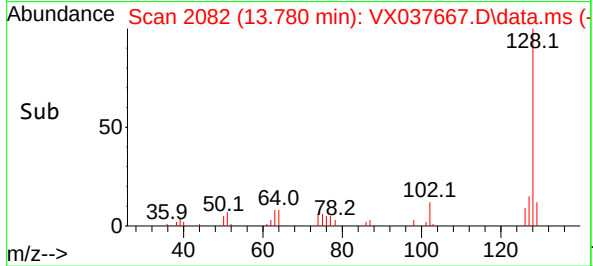
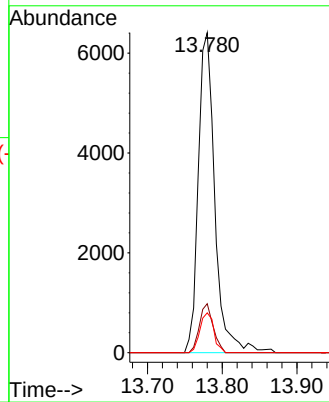
Tgt Ion:128 Resp: 9861

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 10.5 8.8 13.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037667.D
Acq On : 12 Sep 2023 14:35
Operator : JC/MD
Sample : 04373-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1047-TB-090623

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_X\Method\82X091123W.M
Title : SW846 8260

Signal : TIC: VX037667.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.575	68	80	81	rBV5	15575	48126	4.43%	0.845%
2	5.385	694	705	722	rBV	122834	365008	33.64%	6.410%
3	5.550	722	732	751	rVB	202200	576915	53.16%	10.132%
4	5.952	787	798	814	rBV	145199	390003	35.94%	6.849%
5	6.763	921	931	944	rBV	327488	784727	72.31%	13.781%
6	8.647	1234	1240	1260	rBV	681856	1085182	100.00%	19.058%
7	10.055	1465	1471	1483	rBV	715671	946450	87.22%	16.621%
8	11.079	1634	1639	1652	rBV	532236	682206	62.87%	11.981%
9	12.024	1788	1794	1808	rBV	618820	794888	73.25%	13.960%
10	13.780	2075	2082	2089	rBV	14431	20700	1.91%	0.364%

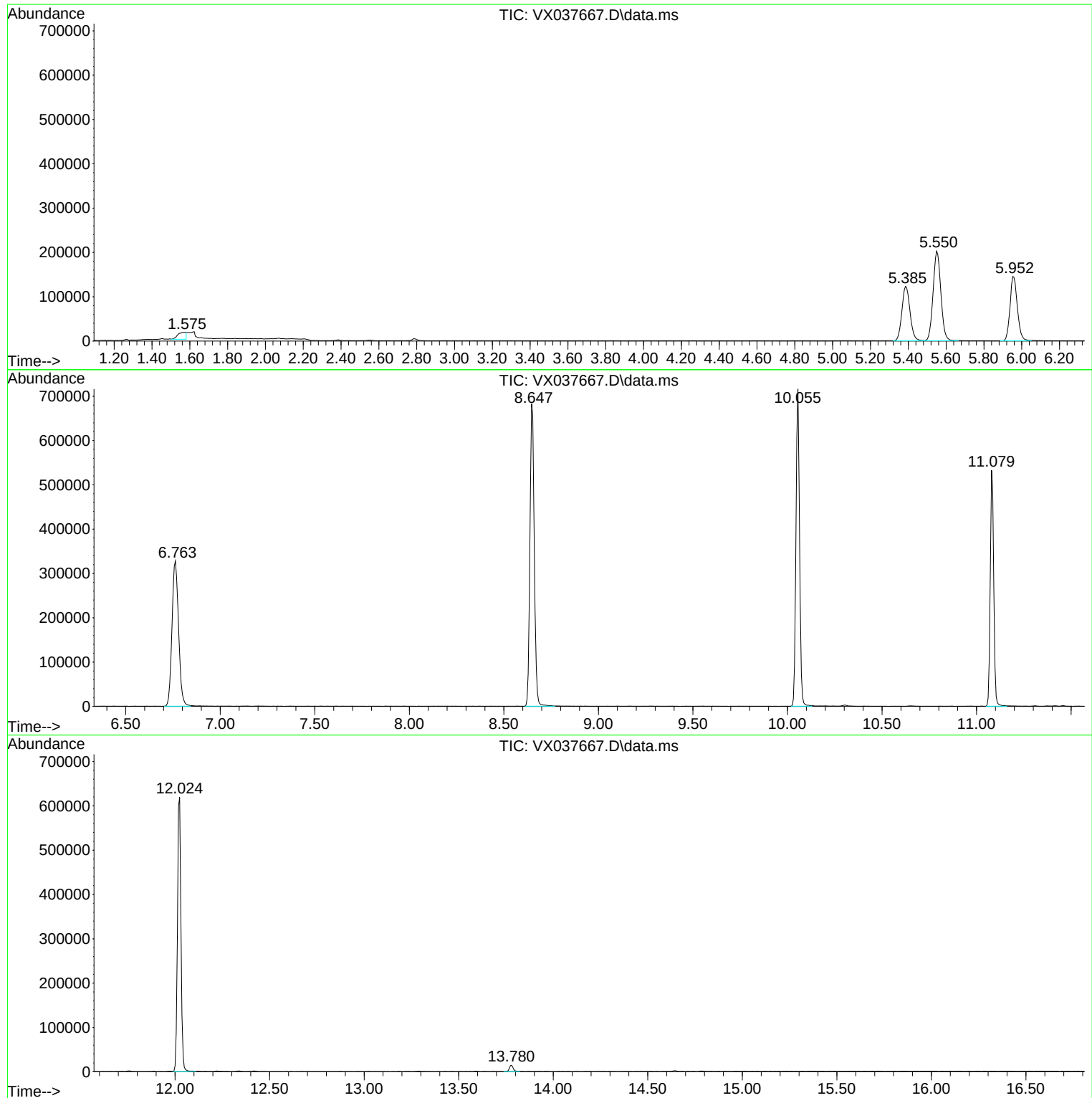
Sum of corrected areas: 5694205

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037667.D
Acq On : 12 Sep 2023 14:35
Operator : JC/MD
Sample : 04373-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1047-TB-090623

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037667.D
Acq On : 12 Sep 2023 14:35
Operator : JC/MD
Sample : 04373-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1047-TB-090623

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.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_X\Data\VX091223\
Data File : VX037667.D
Acq On : 12 Sep 2023 14:35
Operator : JC/MD
Sample : 04373-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
1047-TB-090623

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.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
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16



VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01

Lab Code: CHEM Case No.: O4373 SAS No.: O4373 SDG No.: O4373

Instrument ID: MSVOA_X Calibration Date(s): 09/11/2023 09/11/2023

Heated Purge: (Y/N) N Calibration Time(s): 17:48 20:38

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF020 = VX037647.D		RRF050 = VX037648.D		RRF100 = VX037649.D		
		RRF150 = VX037650.D		RRF005 = VX037652.D		RRF001 = VX037653.D		
COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	RRF	% RSD
Dichlorodifluoromethane	0.542	0.548	0.502	0.512	0.576	0.610	0.548	7.3
Chloromethane	0.629	0.604	0.531	0.555	0.673	0.756	0.625	13.1
Vinyl Chloride	0.706	0.686	0.625	0.617	0.738	0.844	0.703	11.9
Bromomethane	0.615	0.596	0.560	0.513	0.654		0.588	9.1
Chloroethane	0.533	0.447	0.440	0.393	0.498	0.587	0.483	14.6
Trichlorofluoromethane	1.235	1.203	1.102	0.936	1.264	1.234	1.162	10.7
1,1,2-Trichlorotrifluoroethane	0.510	0.512	0.486	0.475	0.551	0.593	0.521	8.4
1,1-Dichloroethene	0.499	0.495	0.483	0.488	0.534	0.588	0.514	7.8
Acetone	0.337	0.315	0.299	0.296	0.347	0.368	0.327	8.7
Carbon Disulfide	1.215	1.238	1.235	1.258	1.352	1.547	1.308	9.7
Methyl tert-butyl Ether	1.960	2.029	2.055	1.962	2.152	2.028	2.031	3.5
Methyl Acetate	1.398	1.369	1.349	1.294	1.452	1.425	1.381	4.1
Methylene Chloride	0.651	0.642	0.625	0.620	0.789	1.097	0.738	25.4
trans-1,2-Dichloroethene	0.571	0.582	0.584	0.570	0.626	0.617	0.592	4
1,1-Dichloroethane	1.131	1.127	1.128	1.087	1.232	1.159	1.144	4.3
Cyclohexane	0.907	0.941	0.909	0.889	1.012		0.932	5.2
2-Butanone	0.538	0.528	0.508	0.497	0.553	0.576	0.533	5.4
Carbon Tetrachloride	0.475	0.499	0.499	0.506	0.480	0.497	0.493	2.5
cis-1,2-Dichloroethene	0.701	0.710	0.720	0.701	0.766	0.732	0.722	3.4
Bromochloromethane	0.562	0.578	0.556	0.534	0.643	0.595	0.578	6.6
Chloroform	1.231	1.241	1.246	1.196	1.280	1.219	1.236	2.3
1,1,1-Trichloroethane	1.017	1.054	1.070	1.041	1.045	0.942	1.028	4.5
Methylcyclohexane	0.559	0.579	0.567	0.570	0.572	0.576	0.571	1.2
Benzene	1.466	1.476	1.470	1.433	1.538	1.387	1.462	3.4
1,2-Dichloroethane	0.568	0.575	0.563	0.537	0.605	0.579	0.571	3.9
Trichloroethene	0.357	0.359	0.365	0.364	0.362	0.385	0.365	2.8
1,2-Dichloropropane	0.396	0.393	0.388	0.378	0.405	0.354	0.386	4.6
Bromodichloromethane	0.507	0.530	0.548	0.540	0.483	0.431	0.507	8.7
4-Methyl-2-Pentanone	0.606	0.617	0.567	0.572	0.605	0.501	0.578	7.4
Toluene	0.932	0.956	0.944	0.948	0.958	0.899	0.940	2.3
t-1,3-Dichloropropene	0.496	0.560	0.588	0.600	0.457	0.379	0.514	16.7
cis-1,3-Dichloropropene	0.553	0.600	0.621	0.619	0.522	0.465	0.564	11
1,1,2-Trichloroethane	0.400	0.413	0.403	0.404	0.397	0.358	0.396	4.9

* 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.



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: O4373 SAS No.: O4373 SDG No.: O4373
 Instrument ID: MSVOA_X Calibration Date(s): 09/11/2023 09/11/2023
 Heated Purge: (Y/N) N Calibration Time(s): 17:48 20:38
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:	RRF020 = VX037647.D	RRF050 = VX037648.D	RRF100 = VX037649.D					
	RRF150 = VX037650.D	RRF005 = VX037652.D	RRF001 = VX037653.D					
COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	RRF	% RSD
2-Hexanone	0.473	0.488	0.440	0.446	0.449	0.380	0.446	8.3
Dibromochloromethane	0.380	0.416	0.431	0.444	0.354	0.307	0.389	13.4
1,2-Dibromoethane	0.421	0.441	0.436	0.444	0.418	0.390	0.425	4.7
Tetrachloroethene	0.308	0.309	0.318	0.312	0.334	0.363	0.324	6.6
Chlorobenzene	1.051	1.063	1.048	1.050	1.117	1.066	1.066	2.5
Ethyl Benzene	1.898	1.934	1.906	1.892	1.941	1.808	1.897	2.5
m/p-Xylenes	0.721	0.746	0.735	0.737	0.725	0.674	0.723	3.5
o-Xylene	0.711	0.736	0.735	0.739	0.721	0.683	0.721	3
Styrene	1.186	1.251	1.224	1.245	1.161	0.991	1.176	8.3
Bromoform	0.272	0.314	0.325	0.346	0.237	0.230	0.287	16.8
Isopropylbenzene	3.778	3.644	3.692	3.525	4.053	3.768	3.743	4.8
1,1,2,2-Tetrachloroethane	1.456	1.388	1.361	1.305	1.518	1.377	1.401	5.4
1,3-Dichlorobenzene	1.648	1.674	1.666	1.645	1.798	1.789	1.703	4.2
1,4-Dichlorobenzene	1.696	1.694	1.694	1.676	1.809	1.935	1.751	5.8
1,2-Dichlorobenzene	1.720	1.707	1.687	1.671	1.775	1.666	1.704	2.4
1,2-Dibromo-3-Chloropropane	0.300	0.299	0.310	0.311	0.280	0.226	0.288	11.3
1,2,4-Trichlorobenzene	0.969	0.998	1.064	1.085	0.976	0.998	1.015	4.7
1,2,3-Trichlorobenzene	0.985	1.009	1.082	1.080	1.043	1.049	1.041	3.7
1,2-Dichloroethane-d4	0.770	0.796	0.805	0.750	0.924		0.809	8.4
Dibromofluoromethane	0.332	0.351	0.363	0.356	0.369		0.354	4.1
Toluene-d8	1.247	1.347	1.354	1.324	1.411		1.337	4.4
4-Bromofluorobenzene	0.434	0.504	0.486	0.507	0.480		0.482	6.1

* 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_X\Method\
 Method File : 82X091123W.M
 Title : SW846 8260
 Last Update : Tue Sep 12 10:10:04 2023
 Response Via : Initial Calibration

Calibration Files

1 =VX037653.D 5 =VX037652.D 20 =VX037647.D 50 =VX037648.D 100 =VX037649.D 150 =VX037650.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.610	0.576	0.542	0.548	0.502	0.512	0.548	7.34
3) P	Chloromethane	0.756	0.673	0.629	0.604	0.531	0.555	0.625	13.14
4) C	Vinyl Chloride	0.844	0.738	0.706	0.686	0.625	0.617	0.703	11.92#
5) T	Bromomethane		0.654	0.615	0.596	0.560	0.513	0.588	9.12
6) T	Chloroethane	0.587	0.498	0.533	0.447	0.440	0.393	0.483	14.56
7) T	Trichlorofluor...	1.234	1.264	1.235	1.203	1.102	0.936	1.162	10.69
8) T	Diethyl Ether	0.465	0.480	0.475	0.469	0.453	0.426	0.461	4.22
9) T	1,1,2-Trichlor...	0.593	0.551	0.510	0.512	0.486	0.475	0.521	8.44
10) T	Methyl Iodide		0.628	0.607	0.631	0.615	0.595	0.615	2.43
11) T	Tert butyl alc...		0.254	0.171	0.171	0.161	0.164	0.184	21.42
12) CM	1,1-Dichloroet...	0.588	0.534	0.499	0.495	0.483	0.488	0.514	7.81#
13) T	Acrolein		0.148	0.132	0.133	0.125	0.122	0.132	7.75
14) T	Allyl chloride	0.997	0.923	0.887	0.890	0.878	0.831	0.901	6.16
15) T	Acrylonitrile	0.362	0.393	0.379	0.374	0.361	0.358	0.371	3.65
16) T	Acetone	0.368	0.347	0.337	0.315	0.299	0.296	0.327	8.74
17) T	Carbon Disulfide	1.547	1.352	1.215	1.238	1.235	1.258	1.308	9.69
18) T	Methyl Acetate	1.425	1.452	1.398	1.369	1.349	1.294	1.381	4.12
19) T	Methyl tert-bu...	2.028	2.152	1.960	2.029	2.055	1.962	2.031	3.48
20) T	Methylene Chlo...	1.097	0.789	0.651	0.642	0.625	0.620	0.738	25.37
21) T	trans-1,2-Dich...	0.617	0.626	0.571	0.582	0.584	0.570	0.592	4.03
22) T	Diisopropyl ether	1.930	2.058	1.950	1.969	1.984	1.889	1.963	2.91
23) T	Vinyl Acetate	1.237	1.448	1.462	1.501	1.514	1.430	1.432	7.01
24) P	1,1-Dichloroet...	1.159	1.232	1.131	1.127	1.128	1.087	1.144	4.27
25) T	2-Butanone	0.576	0.553	0.538	0.528	0.508	0.497	0.533	5.41
26) T	2,2-Dichloropr...	0.733	0.783	0.799	0.820	0.831	0.809	0.796	4.41
27) T	cis-1,2-Dichlo...	0.732	0.766	0.701	0.710	0.720	0.701	0.722	3.42
28) T	Bromochloromet...	0.595	0.643	0.562	0.578	0.556	0.534	0.578	6.56
29) T	Tetrahydrofuran	0.336	0.352	0.343	0.339	0.340	0.328	0.340	2.31
30) C	Chloroform	1.219	1.280	1.231	1.241	1.246	1.196	1.236	2.26#
31) T	Cyclohexane		1.012	0.907	0.941	0.909	0.889	0.932	5.24
32) T	1,1,1-Trichlor...	0.942	1.045	1.017	1.054	1.070	1.041	1.028	4.46
33) S	1,2-Dichloroet...		0.924	0.770	0.796	0.805	0.750	0.809	8.39
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.369	0.332	0.351	0.363	0.356	0.354	4.06
36) T	1,1-Dichloropr...	0.523	0.482	0.467	0.479	0.471	0.470	0.482	4.30
37) T	Ethyl Acetate	0.462	0.579	0.563	0.580	0.569	0.557	0.552	8.16
38) T	Carbon Tetrach...	0.497	0.480	0.475	0.499	0.499	0.506	0.493	2.48
39) T	Methylcyclohexane	0.576	0.572	0.559	0.579	0.567	0.570	0.570	1.24
40) TM	Benzene	1.387	1.538	1.466	1.476	1.470	1.433	1.462	3.43
41) T	Methacrylonitrile	0.252	0.288	0.294	0.307	0.301	0.300	0.291	6.82
42) TM	1,2-Dichloroet...	0.579	0.605	0.568	0.575	0.563	0.537	0.571	3.92
43) T	Isopropyl Acetate	0.760	0.873	0.893	0.919	0.914	0.922	0.880	7.03
44) TM	Trichloroethene	0.385	0.362	0.357	0.359	0.365	0.364	0.365	2.78
45) C	1,2-Dichloropr...	0.354	0.405	0.396	0.393	0.388	0.378	0.386	4.62#
46) T	Dibromomethane	0.267	0.288	0.281	0.281	0.285	0.281	0.281	2.59
47) T	Bromodichlorom...	0.431	0.483	0.507	0.530	0.548	0.540	0.507	8.71
48) T	Methyl methacr...	0.385	0.410	0.437	0.445	0.438	0.437	0.425	5.43
49) T	1,4-Dioxane	0.010	0.010	0.011	0.011	0.010	0.011	0.011	4.20
50) S	Toluene-d8		1.411	1.247	1.347	1.354	1.324	1.337	4.44
51) T	4-Methyl-2-Pen...	0.501	0.605	0.606	0.617	0.567	0.572	0.578	7.40
52) CM	Toluene	0.899	0.958	0.932	0.956	0.944	0.948	0.940	2.34#
53) T	t-1,3-Dichloro...	0.379	0.457	0.496	0.560	0.588	0.600	0.514	16.69
54) T	cis-1,3-Dichlo...	0.465	0.522	0.553	0.600	0.621	0.619	0.564	11.00
55) T	1,1,2-Trichlor...	0.358	0.397	0.400	0.413	0.403	0.404	0.396	4.87
56) T	Ethyl methacry...	0.494	0.587	0.614	0.642	0.639	0.658	0.605	9.88

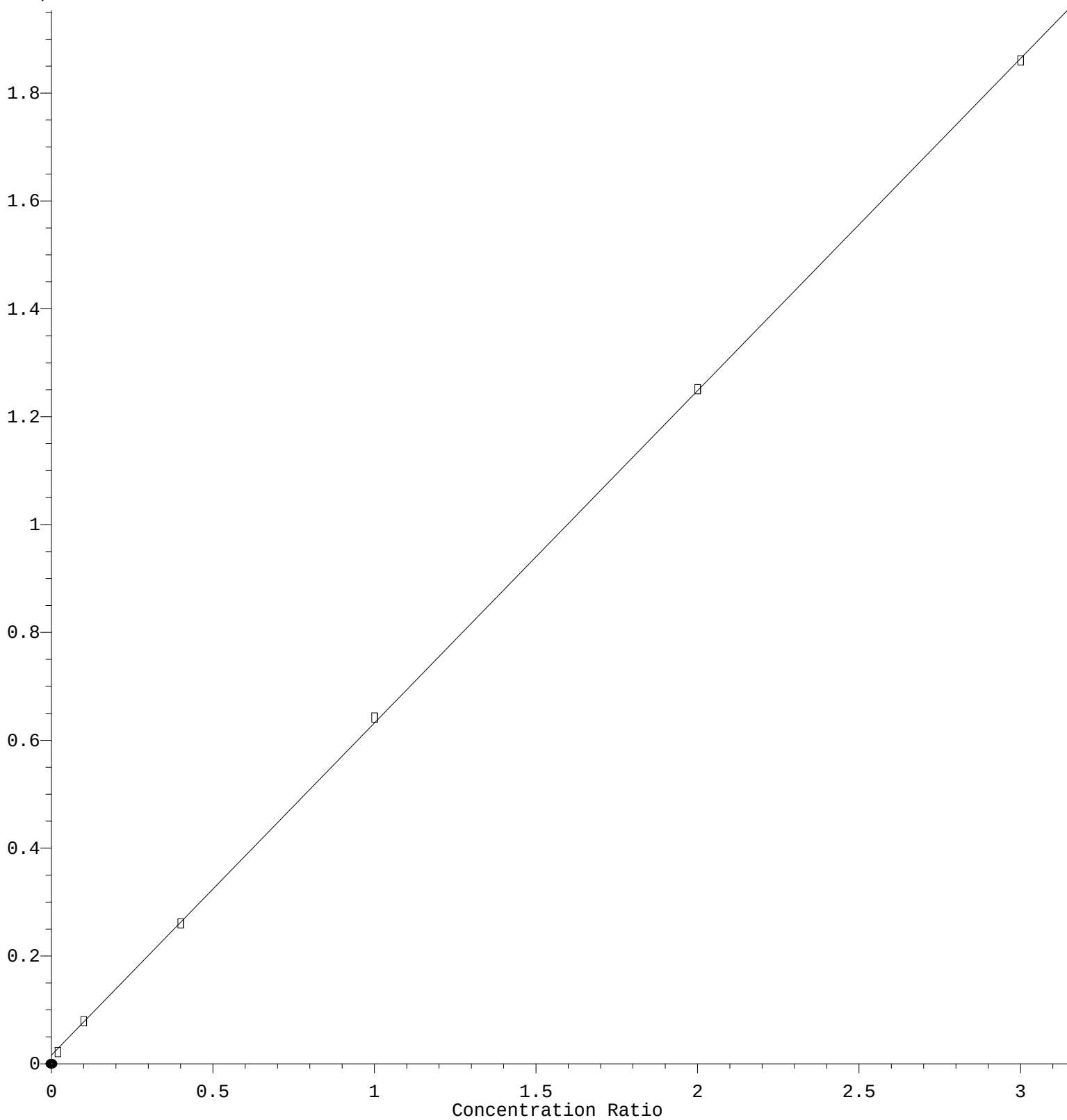
Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X091123W.M

57)	T	1,3-Dichloropr...	0.650	0.681	0.661	0.673	0.659	0.659	0.664	1.68
58)	T	2-Chloroethyl ...	0.279	0.304	0.258	0.292	0.314	0.314	0.294	7.52
59)	T	2-Hexanone	0.380	0.449	0.473	0.488	0.440	0.446	0.446	8.30
60)	T	Dibromochlorom...	0.307	0.354	0.380	0.416	0.431	0.444	0.389	13.36
61)	T	1,2-Dibromoethane	0.390	0.418	0.421	0.441	0.436	0.444	0.425	4.74
62)	S	4-Bromofluorob...	0.480	0.434	0.504	0.486	0.507	0.482		6.09
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.363	0.334	0.308	0.309	0.318	0.312	0.324	6.57
65)	PM	Chlorobenzene	1.066	1.117	1.051	1.063	1.048	1.050	1.066	2.47
66)	T	1,1,1,2-Tetrac...	0.305	0.354	0.366	0.381	0.396	0.402	0.367	9.69
67)	C	Ethyl Benzene	1.808	1.941	1.898	1.934	1.906	1.892	1.897	2.52#
68)	T	m/p-Xylenes	0.674	0.725	0.721	0.746	0.735	0.737	0.723	3.54
69)	T	o-Xylene	0.683	0.721	0.711	0.736	0.735	0.739	0.721	2.97
70)	T	Styrene	0.991	1.161	1.186	1.251	1.224	1.245	1.176	8.25
71)	P	Bromoform	0.230	0.237	0.272	0.314	0.325	0.346	0.287	16.76
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.768	4.053	3.778	3.644	3.692	3.524	3.743	4.75
74)	T	N-amyl acetate	1.505	1.621	1.651	1.686	1.698	1.633	1.632	4.23
75)	P	1,1,2,2-Tetrac...	1.377	1.518	1.456	1.388	1.361	1.305	1.401	5.37
76)	T	1,2,3-Trichlor...	1.139	1.187	1.130	1.086	1.045	1.010	1.099	5.93
77)	T	Bromobenzene	0.903	0.908	0.878	0.871	0.890	0.872	0.887	1.80
78)	T	n-propylbenzene	4.251	4.431	4.364	4.321	4.287	4.187	4.307	1.99
79)	T	2-Chlorotoluene	2.796	2.819	2.657	2.595	2.560	2.479	2.651	5.07
80)	T	1,3,5-Trimethy...	2.985	3.253	3.211	3.164	3.181	3.084	3.146	3.07
81)	T	trans-1,4-Dich...	0.273	0.324	0.381	0.414	0.416	0.362		17.10
82)	T	4-Chlorotoluene	3.115	3.137	3.047	2.974	2.985	2.912	3.028	2.87
83)	T	tert-Butylbenzene	3.068	3.210	3.209	3.189	3.174	3.114	3.161	1.82
84)	T	1,2,4-Trimethy...	3.004	3.336	3.233	3.212	3.189	3.058	3.172	3.83
85)	T	sec-Butylbenzene	3.759	4.014	3.937	3.960	3.914	3.827	3.902	2.39
86)	T	p-Isopropyltol...	2.937	3.205	3.226	3.292	3.283	3.242	3.197	4.12
87)	T	1,3-Dichlorobe...	1.789	1.798	1.648	1.674	1.666	1.645	1.703	4.16
88)	T	1,4-Dichlorobe...	1.935	1.809	1.696	1.694	1.694	1.676	1.751	5.85
89)	T	n-Butylbenzene	2.630	2.849	2.904	2.996	2.990	3.006	2.896	4.98
90)	T	Hexachloroethane	0.448	0.500	0.535	0.566	0.586	0.602	0.540	10.72
91)	T	1,2-Dichlorobe...	1.666	1.775	1.720	1.707	1.687	1.671	1.704	2.35
92)	T	1,2-Dibromo-3-...	0.226	0.280	0.300	0.299	0.310	0.311	0.288	11.26
93)	T	1,2,4-Trichlor...	0.998	0.976	0.969	0.998	1.064	1.085	1.015	4.73
94)	T	Hexachlorobuta...	0.378	0.430	0.430	0.429	0.427	0.449	0.424	5.65
95)	T	Naphthalene	3.462	3.481	3.640	3.762	3.878	3.836	3.676	4.85
96)	T	1,2,3-Trichlor...	1.049	1.043	0.985	1.009	1.082	1.080	1.041	3.69

(#) = Out of Range

Methylene Chloride

Response Ratio



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091123\
 Data File : VX037647.D
 Acq On : 11 Sep 2023 17:48
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Quant Time: Sep 12 09:10:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 09:09:12 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/12/2023
 Supervised By : Mahesh Dadoda 09/12/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	153452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	271110	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	258147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	128648	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	47261	18.180	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	36.360%#		
35) Dibromofluoromethane	5.391	113	35978	18.924	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	37.840%#		
50) Toluene-d8	8.653	98	135230	18.768	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	37.540%#		
62) 4-Bromofluorobenzene	11.079	95	47041	18.979	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	37.960%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	33239	19.740	ug/l	98
3) Chloromethane	1.301	50	38579	18.195	ug/l	95
4) Vinyl Chloride	1.374	62	43336	19.139	ug/l	98
5) Bromomethane	1.593	94	37777	19.399	ug/l	97
6) Chloroethane	1.685	64	32692	20.824	ug/l	100
7) Trichlorofluoromethane	1.886	101	75798	19.599	ug/l	99
8) Diethyl Ether	2.136	74	29182	19.152	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.325	101	31300	18.731	ug/l	98
10) Methyl Iodide	2.453	142	37266	19.656	ug/l	95
11) Tert butyl alcohol	2.965	59	52509	100.000	ug/l #	90
12) 1,1-Dichloroethene	2.319	96	30601	18.873	ug/l	90
13) Acrolein	2.233	56	40648	94.346	ug/l	99
14) Allyl chloride	2.660	41	54456	18.812	ug/l	97
15) Acrylonitrile	3.062	53	116222	95.466	ug/l	99
16) Acetone	2.380	43	103525	92.303	ug/l	93
17) Carbon Disulfide	2.508	76	74596	17.642	ug/l	100
18) Methyl Acetate	2.703	43	85831	19.075	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	120297	18.751	ug/l	99
20) Methylene Chloride	2.788	84	39960	19.943	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	35056	18.216	ug/l	92
22) Diisopropyl ether	3.764	45	119712	19.474	ug/l	94
23) Vinyl Acetate	3.727	43	448559	103.174	ug/l	97
24) 1,1-Dichloroethane	3.611	63	69405	18.895	ug/l	99
25) 2-Butanone	4.556	43	165151	95.595	ug/l	95
26) 2,2-Dichloropropane	4.471	77	49067	20.494	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	43039	19.165	ug/l	94
28) Bromochloromethane	4.904	49	34511	18.256	ug/l	94
29) Tetrahydrofuran	5.007	42	105219	96.051	ug/l	92
30) Chloroform	5.093	83	75555	19.264	ug/l	100
31) Cyclohexane	5.477	56	55649	18.902	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	62452	19.391	ug/l	100
36) 1,1-Dichloropropene	5.696	75	50697	18.550	ug/l	98
37) Ethyl Acetate	4.721	43	61020	20.155	ug/l	97
38) Carbon Tetrachloride	5.678	117	51465	19.978	ug/l	99
39) Methylcyclohexane	7.379	83	60618	19.353	ug/l	96
40) Benzene	6.037	78	159010	19.388	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091123\
 Data File : VX037647.D
 Acq On : 11 Sep 2023 17:48
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023

Quant Time: Sep 12 09:10:12 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M

Quant Title : SW846 8260

QLast Update : Tue Sep 12 09:09:12 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	31924	19.889	ug/l	91
42) 1,2-Dichloroethane	6.086	62	61639	19.157	ug/l	99
43) Isopropyl Acetate	6.342	43	96832	20.678	ug/l	98
44) Trichloroethene	7.129	130	38715	19.668	ug/l	99
45) 1,2-Dichloropropane	7.434	63	42905	20.108	ug/l	99
46) Dibromomethane	7.586	93	30513	19.633	ug/l	99
47) Bromodichloromethane	7.824	83	54969	21.115	ug/l	100
48) Methyl methacrylate	7.696	41	47400	20.321	ug/l	88
49) 1,4-Dioxane	7.659	88	23936	399.725	ug/l #	92
51) 4-Methyl-2-Pentanone	8.574	43	328744	102.801	ug/l	98
52) Toluene	8.720	92	101088	20.026	ug/l	94
53) t-1,3-Dichloropropene	8.982	75	53840	22.169	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	59998	21.672	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	43387	19.895	ug/l	96
56) Ethyl methacrylate	9.116	69	66539	21.557	ug/l	94
57) 1,3-Dichloropropane	9.311	76	71669	19.364	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	139826	92.192	ug/l	98
59) 2-Hexanone	9.433	43	256254	106.627	ug/l	97
60) Dibromochloromethane	9.525	129	41160	21.409	ug/l	98
61) 1,2-Dibromoethane	9.610	107	45698	20.456	ug/l	99
64) Tetrachloroethene	9.275	164	31836	18.821	ug/l	98
65) Chlorobenzene	10.079	112	108474	19.060	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	37801	20.371	ug/l	97
67) Ethyl Benzene	10.195	91	196027	19.744	ug/l	98
68) m/p-Xylenes	10.305	106	148989	40.009	ug/l	100
69) o-Xylene	10.640	106	73378	19.972	ug/l	98
70) Styrene	10.659	104	122508	20.635	ug/l	97
71) Bromoform	10.799	173	28060	22.030	ug/l #	99
73) Isopropylbenzene	10.963	105	194436	19.350	ug/l	100
74) N-amyl acetate	10.842	43	84958	20.015	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	74919	19.387	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	58124m	18.613	ug/l	
77) Bromobenzene	11.201	156	45162	18.911	ug/l	95
78) n-propylbenzene	11.305	91	224586	19.745	ug/l	99
79) 2-Chlorotoluene	11.366	91	136744	19.003	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	165213	19.976	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	16694	21.727	ug/l	94
82) 4-Chlorotoluene	11.457	91	156801	19.519	ug/l	99
83) tert-Butylbenzene	11.713	119	165129	20.184	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	166374	20.007	ug/l	99
85) sec-Butylbenzene	11.890	105	202601	19.903	ug/l	99
86) p-Isopropyltoluene	12.012	119	166010	20.179	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	84796	18.622	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	87254	18.784	ug/l	99
89) n-Butylbenzene	12.335	91	149450	20.788	ug/l	95
90) Hexachloroethane	12.536	117	27549	21.028	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	88487	19.095	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	15443	20.522	ug/l	89
93) 1,2,4-Trichlorobenzene	13.585	180	49847	19.811	ug/l	98
94) Hexachlorobutadiene	13.725	225	22129	19.404	ug/l	99
95) Naphthalene	13.774	128	187328	20.735	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	50694	19.073	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091123\
Data File : VX037647.D
Acq On : 11 Sep 2023 17:48
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

Quant Time: Sep 12 09:10:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 09:09:12 2023
Response via : Initial Calibration

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

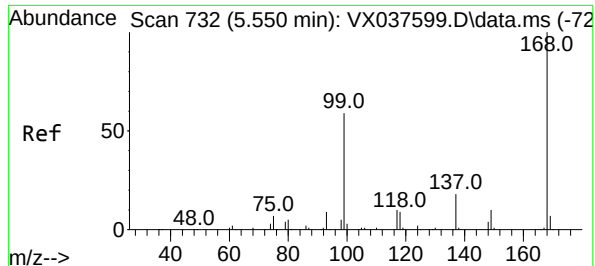
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations

Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023





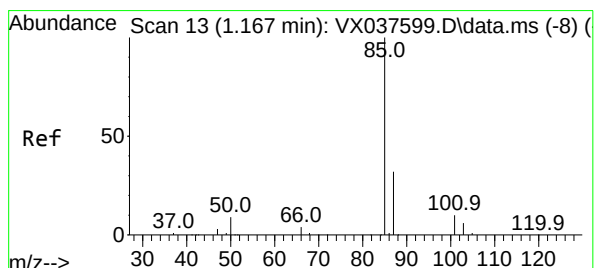
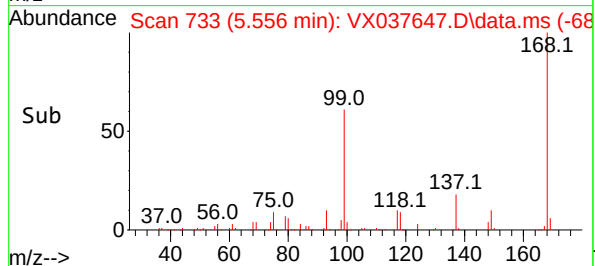
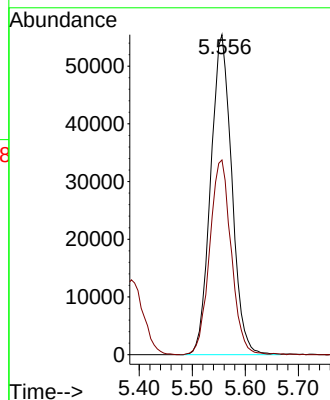
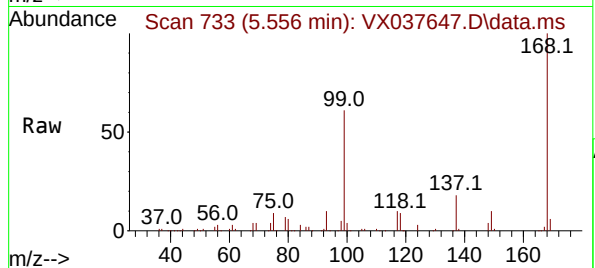
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037647.D
Acq: 11 Sep 2023 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 15345
Ion Ratio Lower Upper
168 100
99 60.9 56.6 85.0

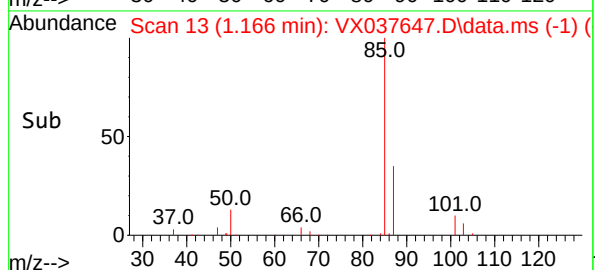
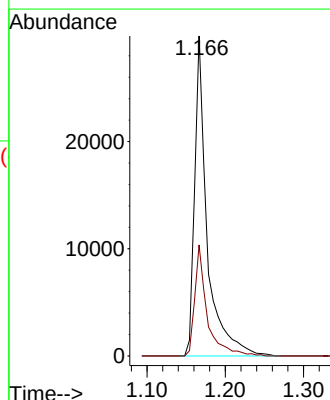
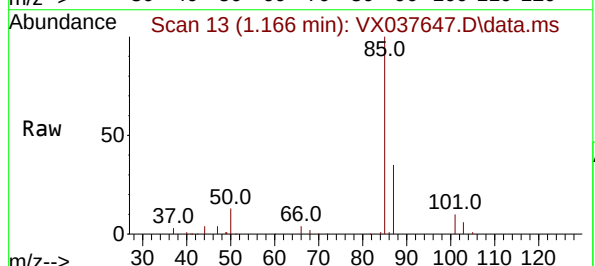
Manual Integrations
APPROVED

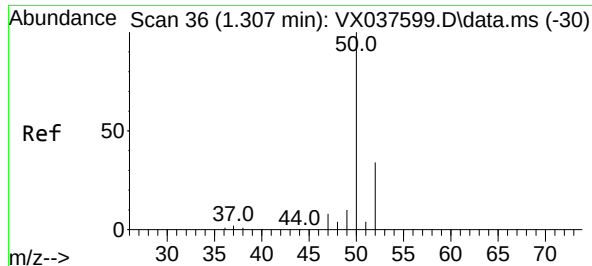
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#2
Dichlorodifluoromethane
Concen: 19.740 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX037647.D
Acq: 11 Sep 2023 17:48

Tgt Ion: 85 Resp: 33239
Ion Ratio Lower Upper
85 100
87 34.7 16.7 50.1





#3

Chloromethane

Concen: 18.195 ug/l

RT: 1.301 min Scan# 35

Delta R.T. -0.006 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 50 Resp: 38579

Ion Ratio Lower Upper

50 100

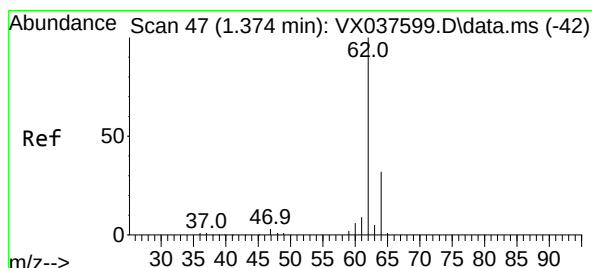
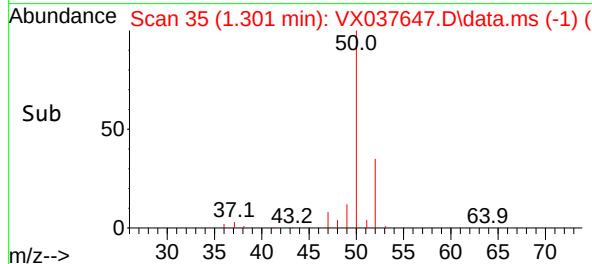
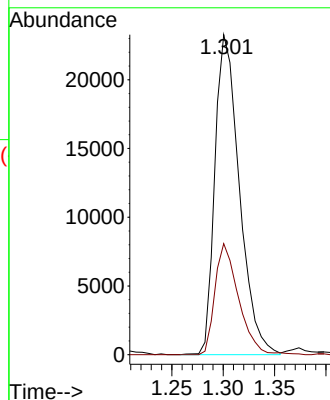
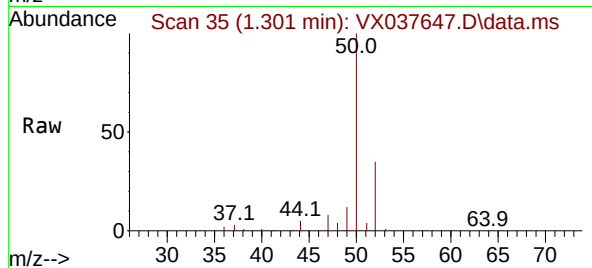
52 34.7 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#4

Vinyl Chloride

Concen: 19.139 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX037647.D

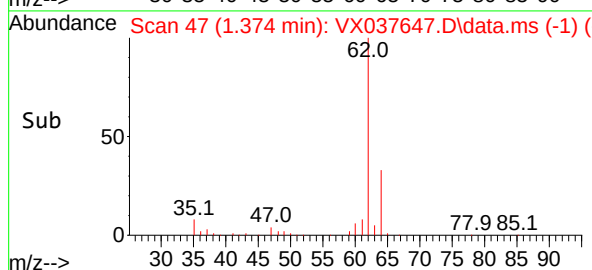
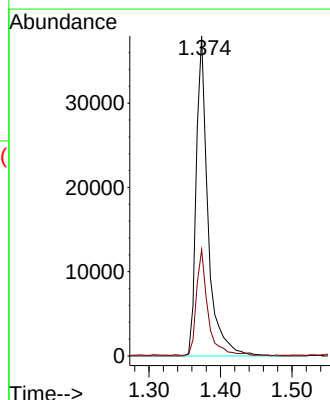
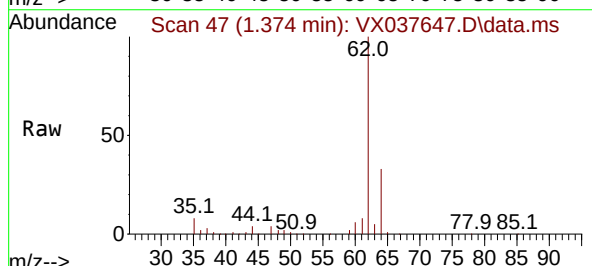
Acq: 11 Sep 2023 17:48

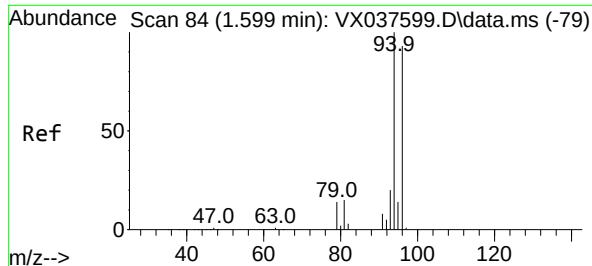
Tgt Ion: 62 Resp: 43336

Ion Ratio Lower Upper

62 100

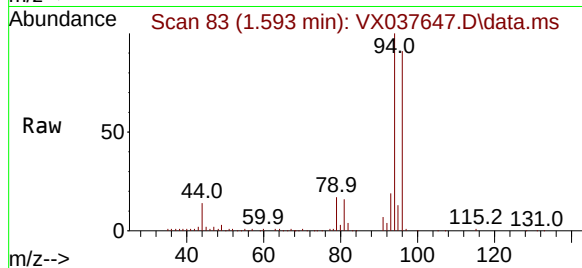
64 33.0 25.4 38.0





#5
Bromomethane
Concen: 19.399 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX037647.D
Acq: 11 Sep 2023 17:48

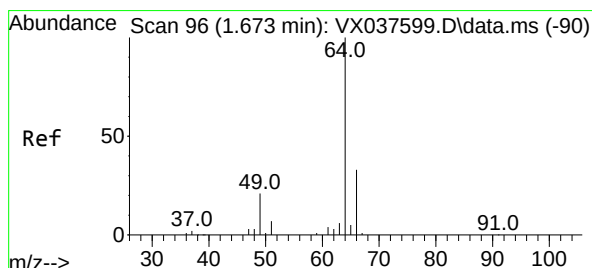
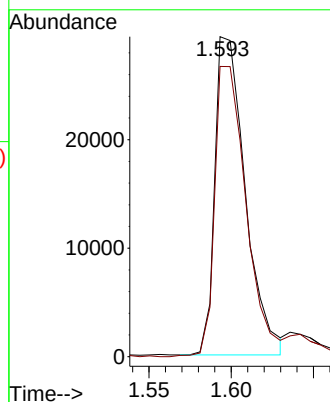
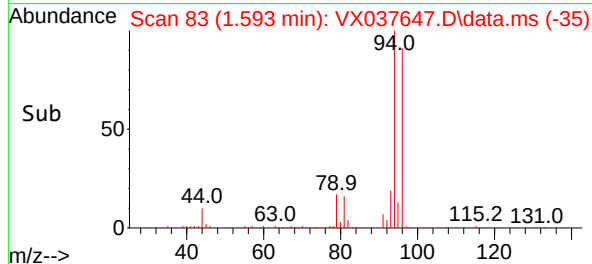
Instrument :
MSVOA_X
Client Sample Id :
VSTDICC020



Tgt Ion: 94 Resp: 3777
Ion Ratio Lower Upper
94 100
96 90.8 74.6 111.8

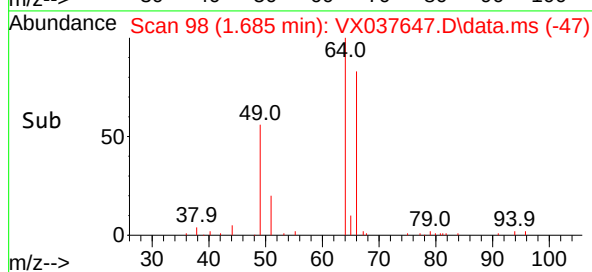
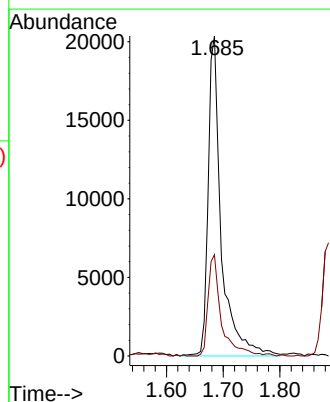
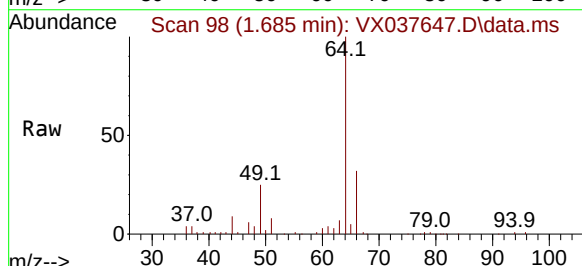
Manual Integrations
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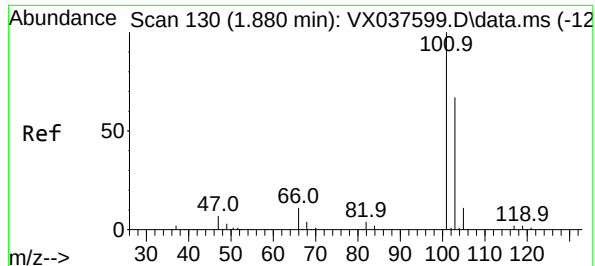
Reviewed By : John Carlone 09/12/2023
Supervised By : Mahesh Dadoda 09/12/2023



#6
Chloroethane
Concen: 20.824 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.012 min
Lab File: VX037647.D
Acq: 11 Sep 2023 17:48

Tgt Ion: 64 Resp: 32692
Ion Ratio Lower Upper
64 100
66 31.7 25.1 37.7





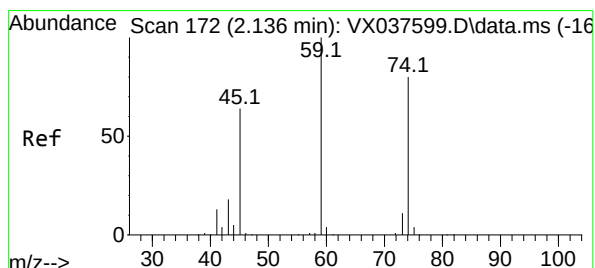
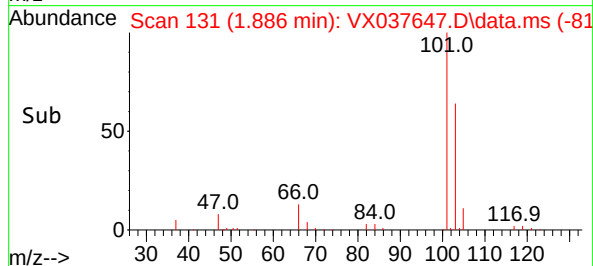
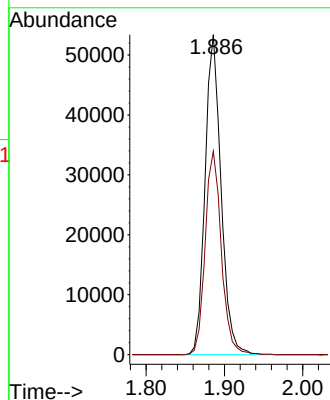
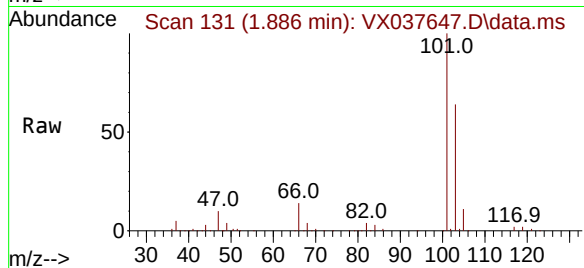
#7
Trichlorofluoromethane
Concen: 19.599 ug/l
RT: 1.886 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037647.D
Acq: 11 Sep 2023 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 75798
Ion Ratio Lower Upper
101 100
103 63.6 51.4 77.2

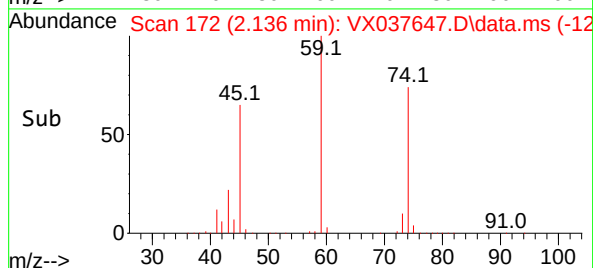
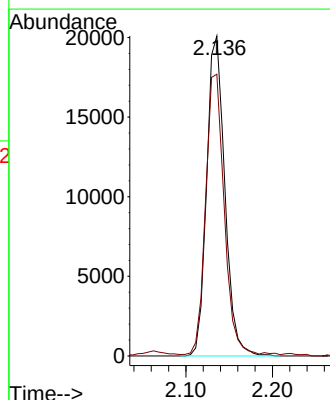
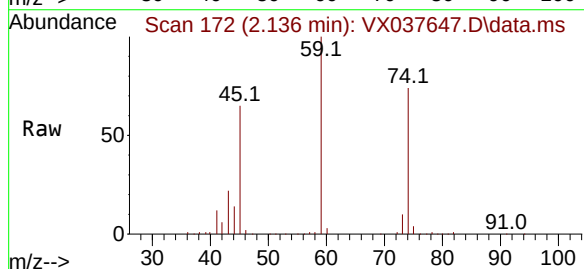
Manual Integrations
APPROVED

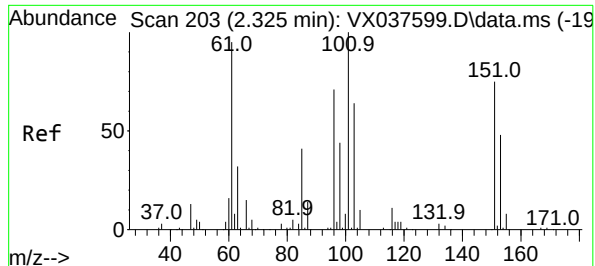
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#8
Diethyl Ether
Concen: 19.152 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX037647.D
Acq: 11 Sep 2023 17:48

Tgt Ion: 74 Resp: 29182
Ion Ratio Lower Upper
74 100
45 89.4 53.3 159.8





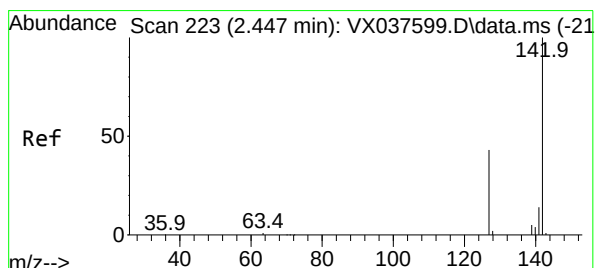
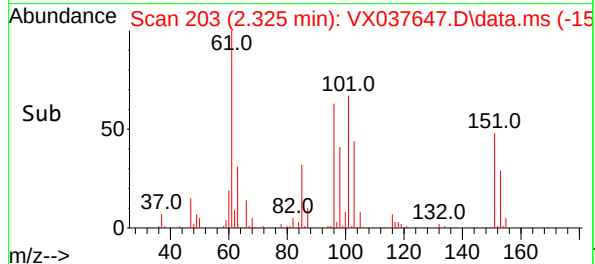
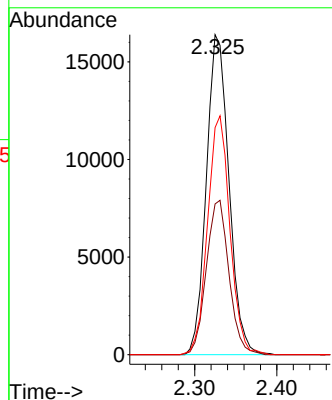
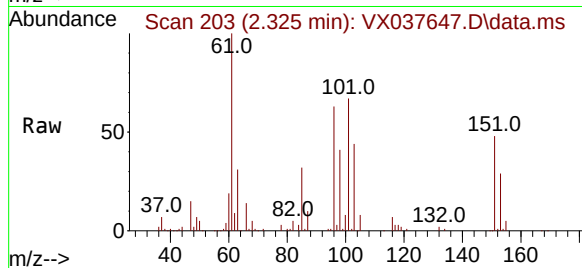
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.731 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX037647.D
Acq: 11 Sep 2023 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 31300
Ion Ratio Lower Upper
101 100
85 48.4 37.0 55.6
151 73.8 58.6 87.8

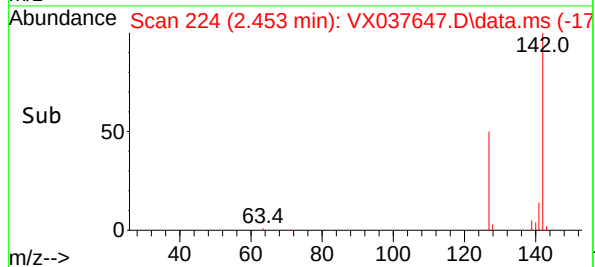
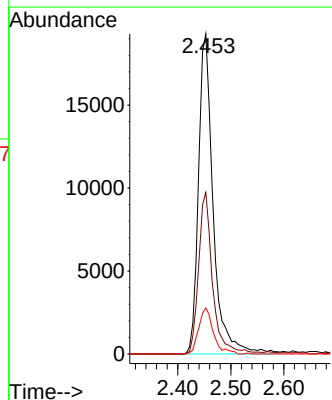
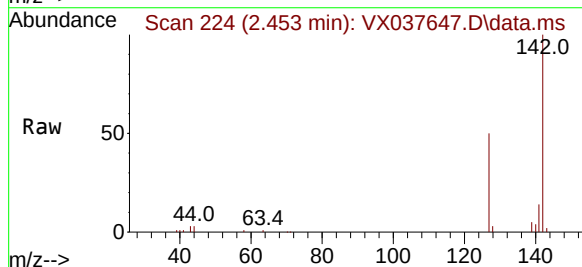
Manual Integrations
APPROVED

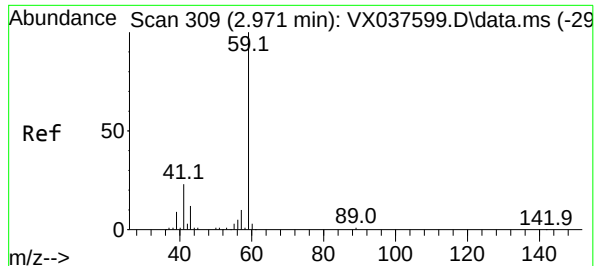
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#10
Methyl Iodide
Concen: 19.656 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.006 min
Lab File: VX037647.D
Acq: 11 Sep 2023 17:48

Tgt Ion:142 Resp: 37266
Ion Ratio Lower Upper
142 100
127 48.0 41.6 62.4
141 14.3 11.6 17.4





#11

Tert butyl alcohol

Concen: 100.000 ug/l

RT: 2.965 min Scan# 309

Delta R.T. -0.006 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 59 Resp: 52509

Ion Ratio Lower Upper

59 100

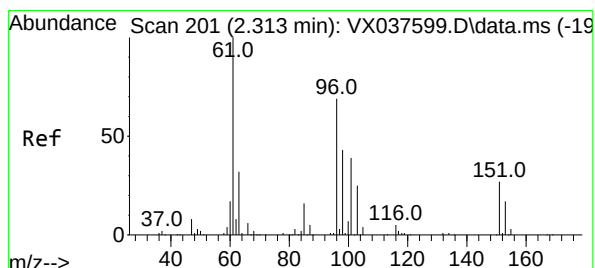
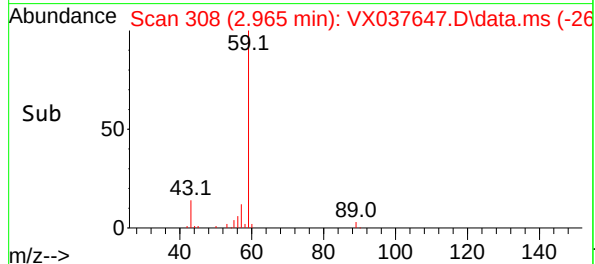
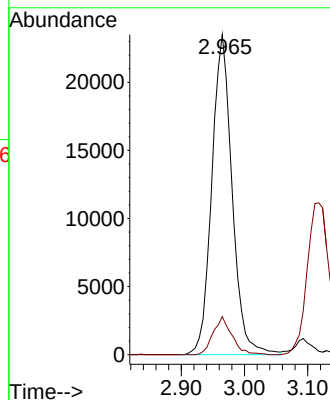
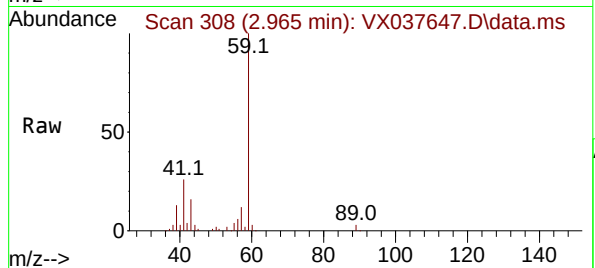
57 11.0 6.0 9.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#12

1,1-Dichloroethene

Concen: 18.873 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

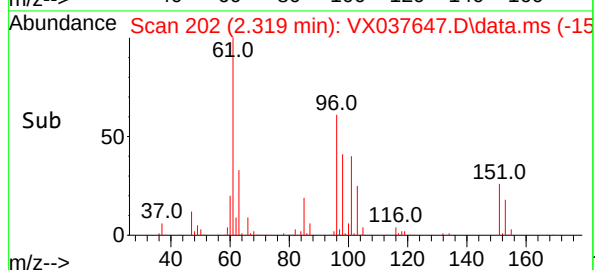
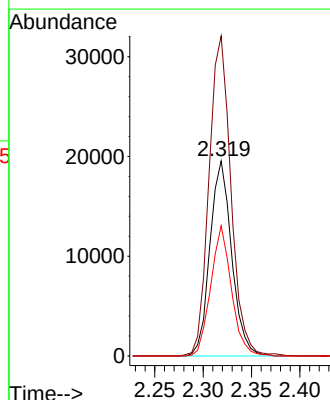
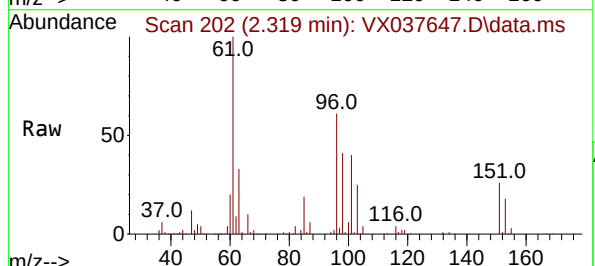
Tgt Ion: 96 Resp: 30601

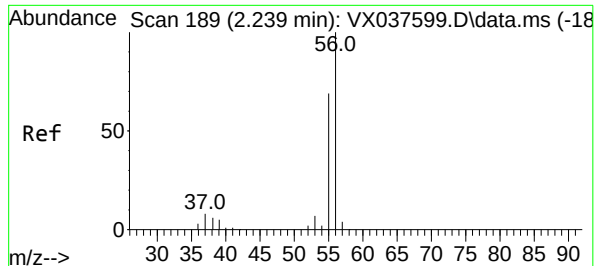
Ion Ratio Lower Upper

96 100

61 164.0 144.6 216.8

98 66.7 50.4 75.6





#13

Acrolein

Concen: 94.346 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 4064

Ion Ratio Lower Upper

56 100

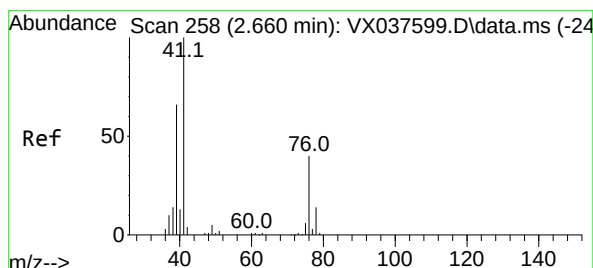
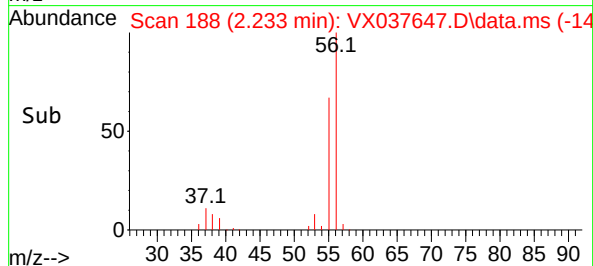
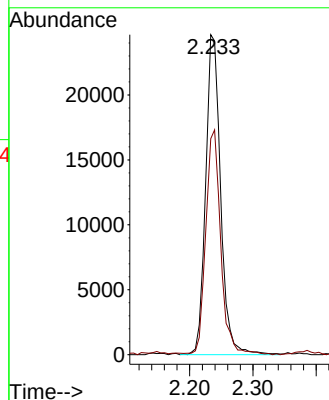
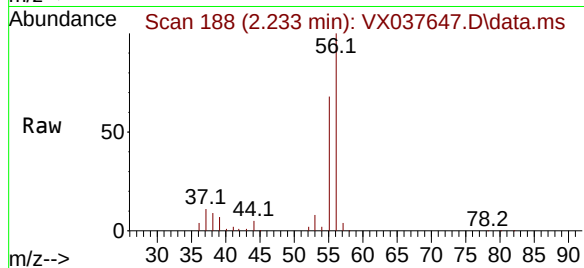
55 70.3 57.1 85.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#14

Allyl chloride

Concen: 18.812 ug/l

RT: 2.660 min Scan# 258

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

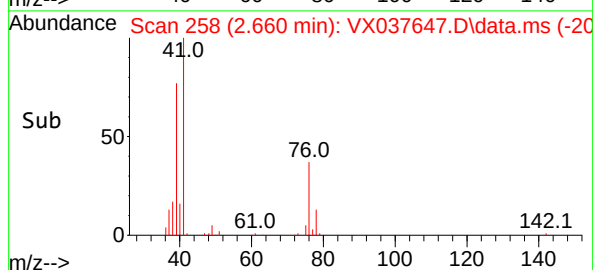
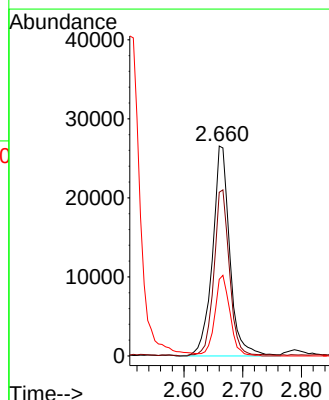
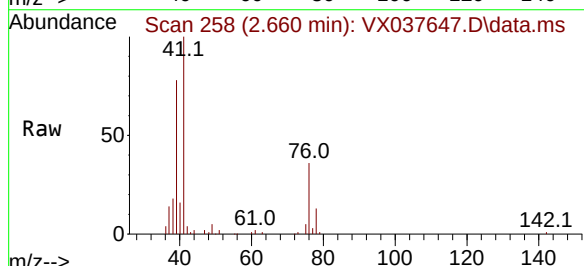
Tgt Ion: 41 Resp: 54456

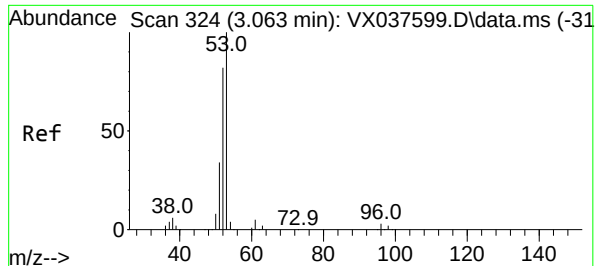
Ion Ratio Lower Upper

41 100

39 71.3 55.8 83.6

76 33.6 24.3 36.5





#15

Acrylonitrile

Concen: 95.466 ug/l

RT: 3.062 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

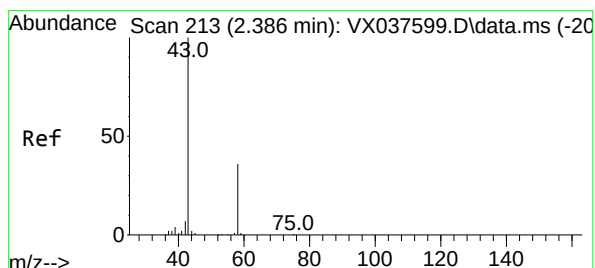
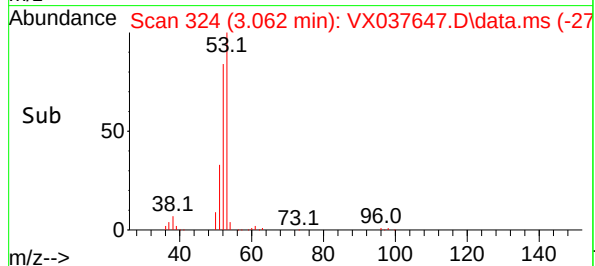
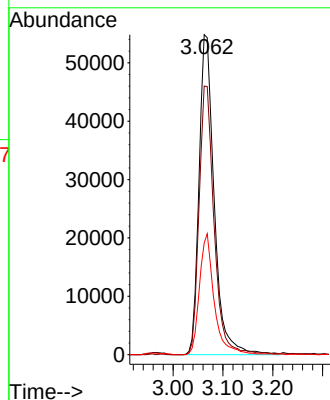
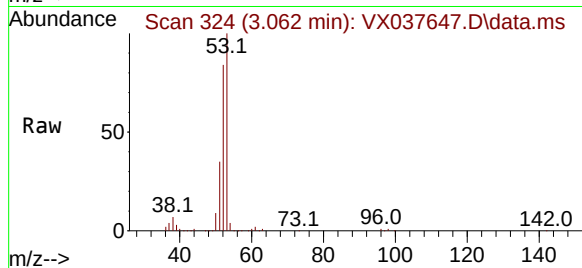
ClientSampleId :

VSTDICC020

Tgt Ion:	53	Resp:	11622
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.0	99.0
51	36.6	29.8	44.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#16

Acetone

Concen: 92.303 ug/l

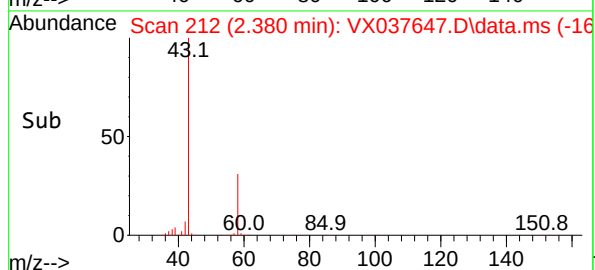
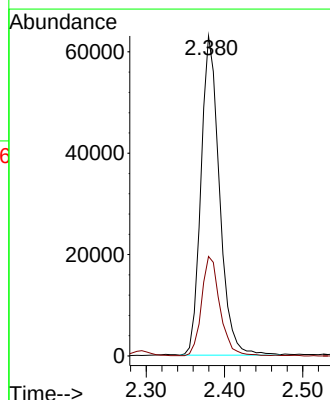
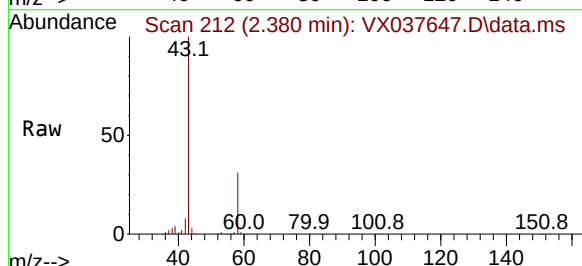
RT: 2.380 min Scan# 212

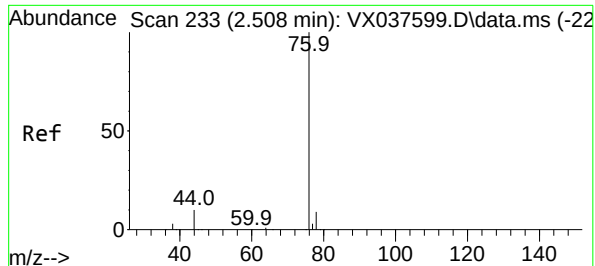
Delta R.T. -0.006 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Tgt Ion:	43	Resp:	103525
Ion	Ratio	Lower	Upper
43	100		
58	31.1	21.9	32.9





#17

Carbon Disulfide

Concen: 17.642 ug/l

RT: 2.508 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 74590

Ion Ratio Lower Upper

76 100

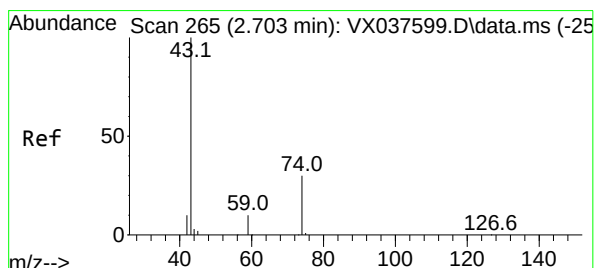
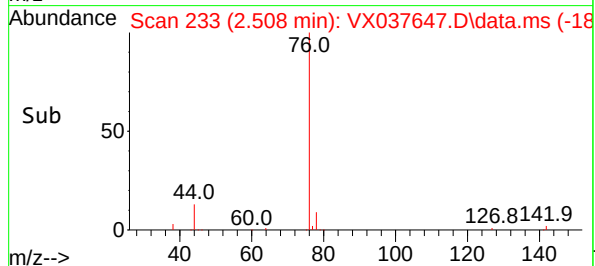
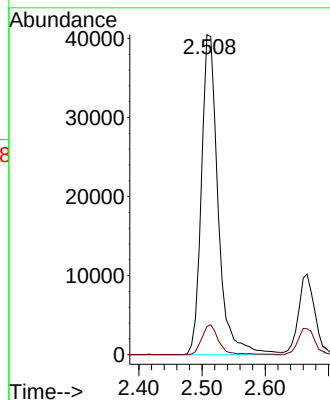
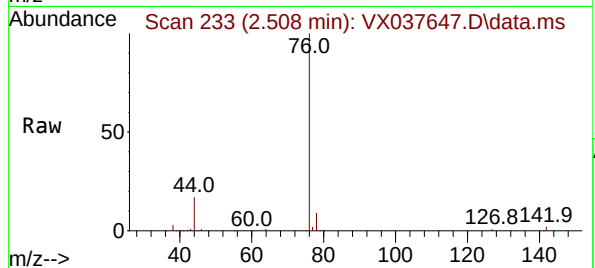
78 8.8 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#18

Methyl Acetate

Concen: 19.075 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX037647.D

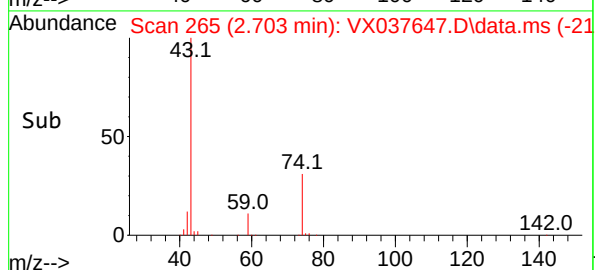
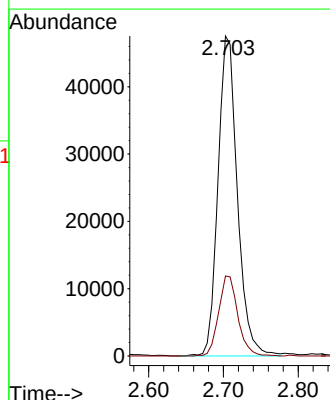
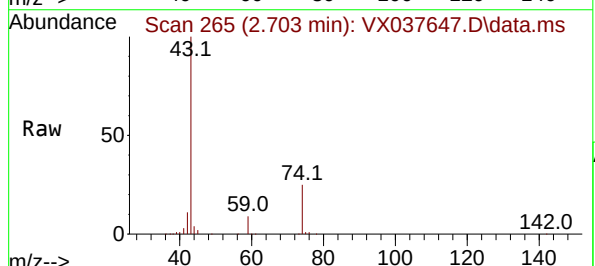
Acq: 11 Sep 2023 17:48

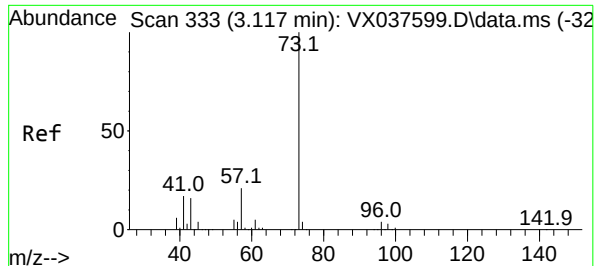
Tgt Ion: 43 Resp: 85831

Ion Ratio Lower Upper

43 100

74 24.8 17.8 26.8





#19

Methyl tert-butyl Ether

Concen: 18.751 ug/l

RT: 3.117 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 73 Resp: 12029

Ion Ratio Lower Upper

73 100

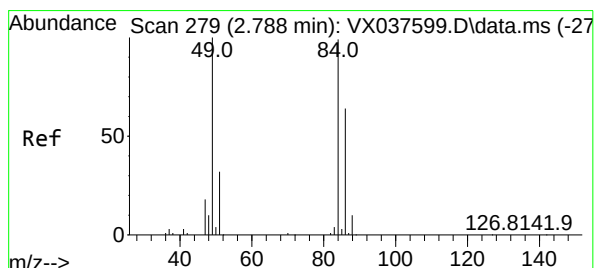
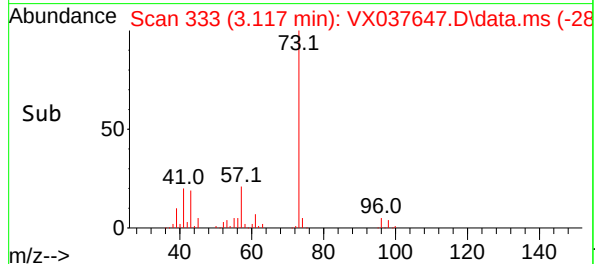
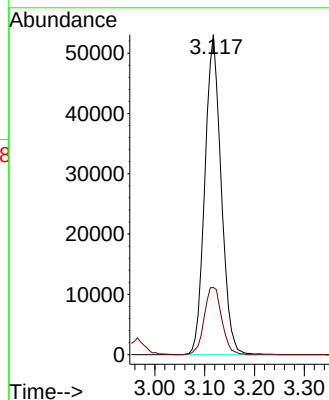
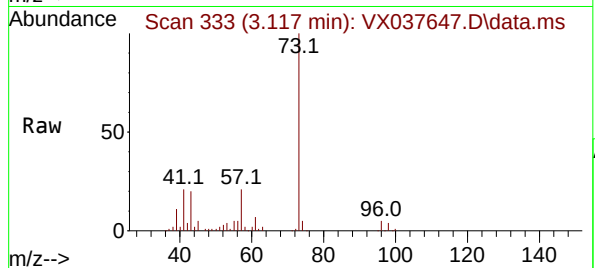
57 21.0 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#20

Methylene Chloride

Concen: 19.943 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Tgt Ion: 84 Resp: 39960

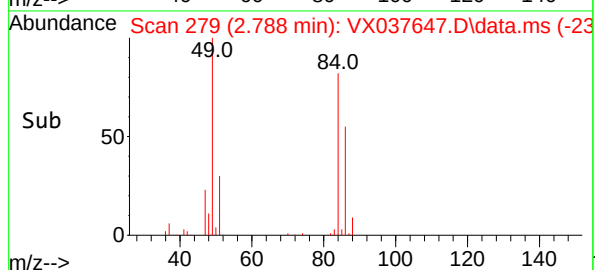
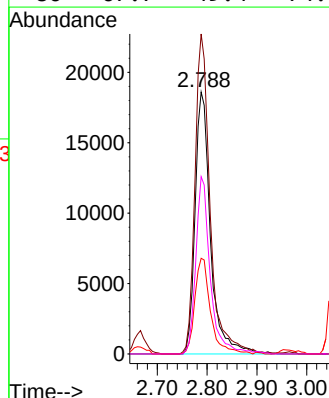
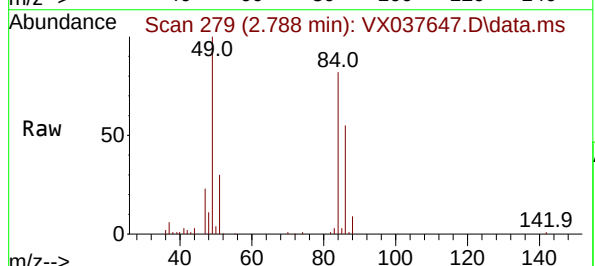
Ion Ratio Lower Upper

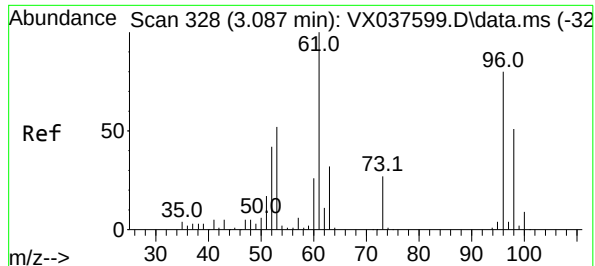
84 100

49 122.1 103.6 155.4

51 36.5 33.8 50.6

86 67.7 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 18.216 ug/l

RT: 3.093 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX037647.D

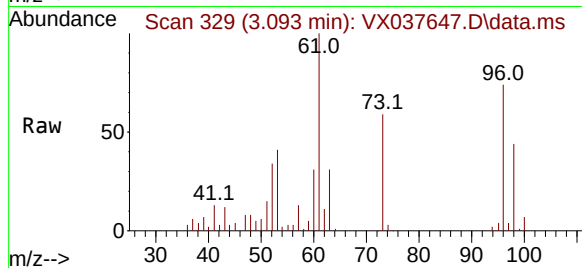
Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020



Tgt Ion: 96 Resp: 3505

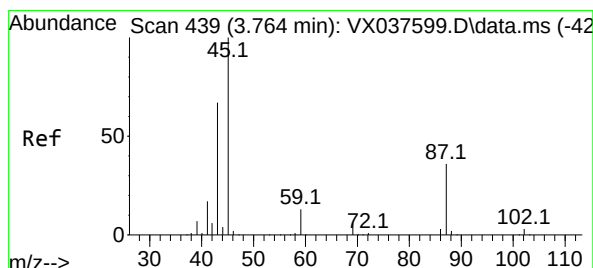
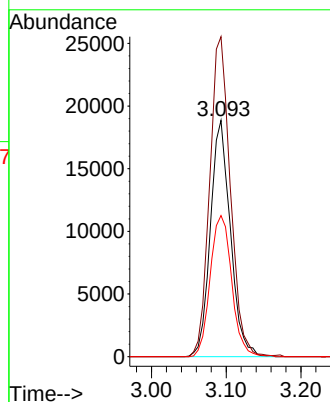
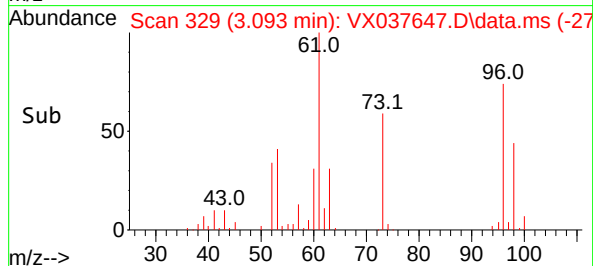
Ion	Ratio	Lower	Upper
96	100		
61	135.4	119.2	178.8
98	59.7	48.7	73.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#22

Diisopropyl ether

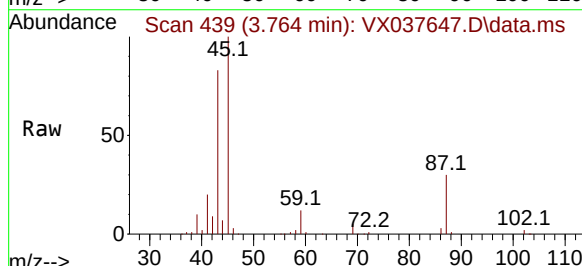
Concen: 19.474 ug/l

RT: 3.764 min Scan# 439

Delta R.T. -0.000 min

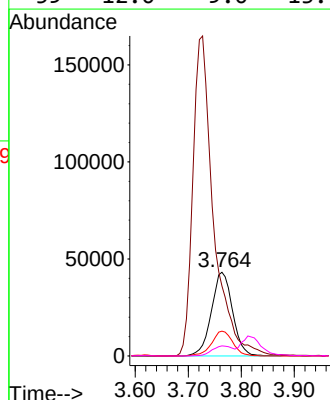
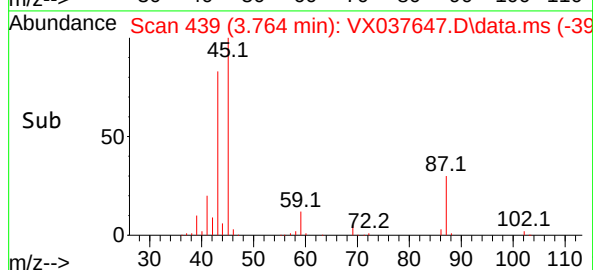
Lab File: VX037647.D

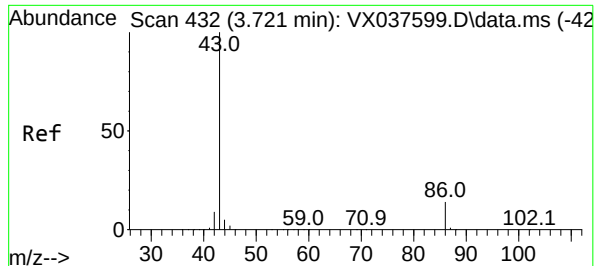
Acq: 11 Sep 2023 17:48



Tgt Ion: 45 Resp: 119712

Ion	Ratio	Lower	Upper
45	100		
43	81.8	69.7	104.5
87	29.7	20.8	31.2
59	12.0	9.0	13.4





#23

Vinyl Acetate

Concen: 103.174 ug/l

RT: 3.727 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 44855

Ion Ratio Lower Upper

43 100

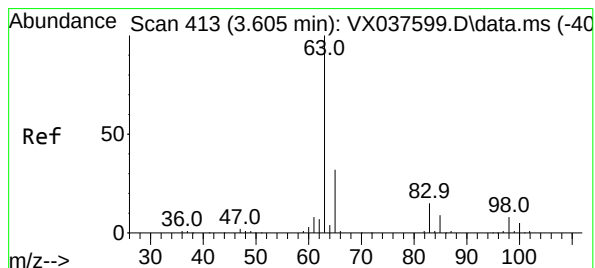
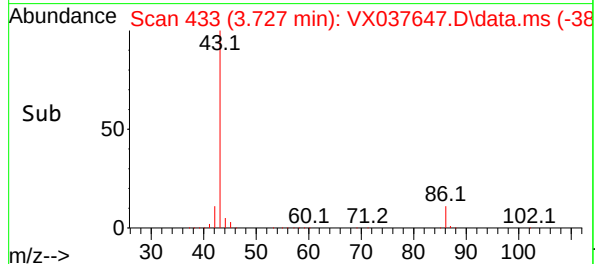
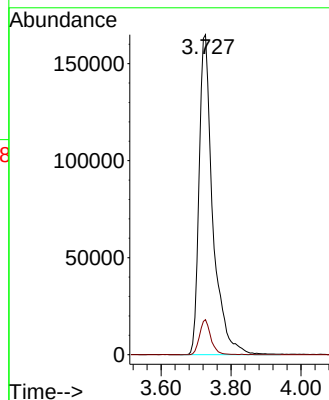
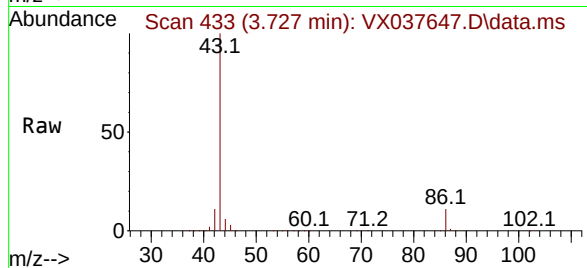
86 11.0 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#24

1,1-Dichloroethane

Concen: 18.895 ug/l

RT: 3.611 min Scan# 414

Delta R.T. 0.006 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

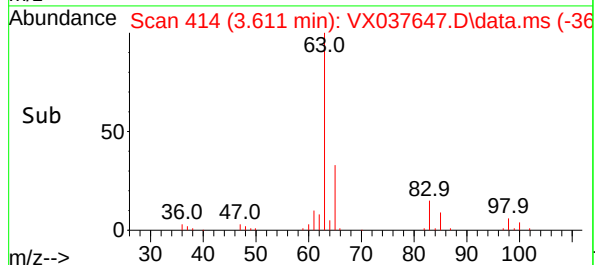
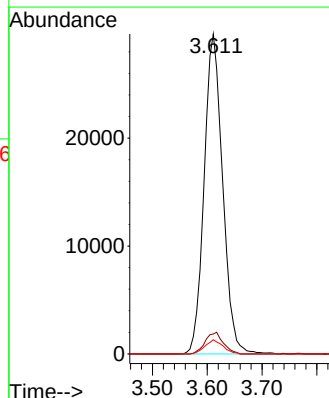
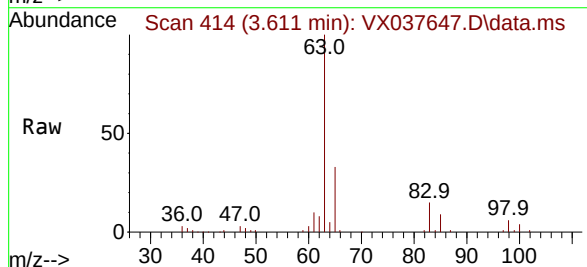
Tgt Ion: 63 Resp: 69405

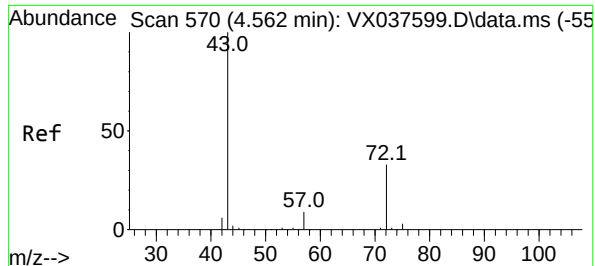
Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.8

100 4.5 2.1 6.5





#25

2-Butanone

Concen: 95.595 ug/l

RT: 4.556 min Scan# 5

Delta R.T. -0.006 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 16515

Ion Ratio Lower Upper

43 100

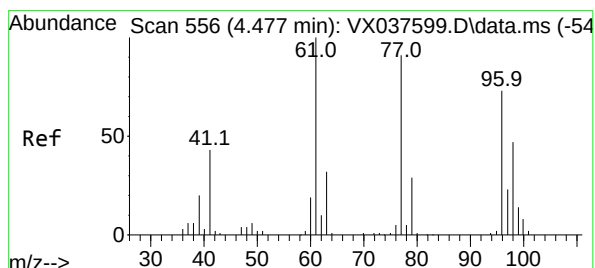
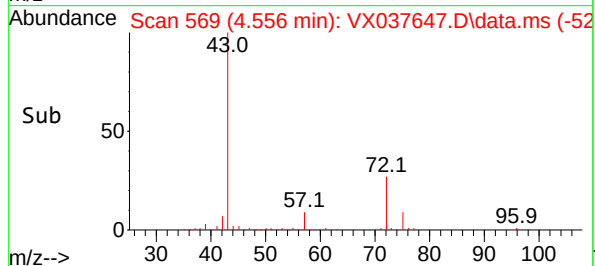
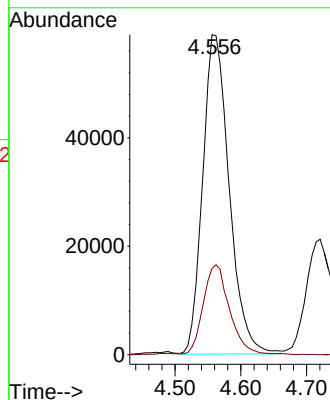
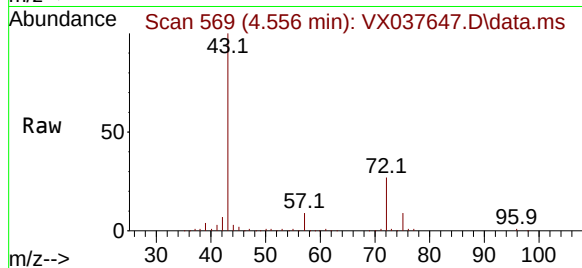
72 26.7 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#26

2,2-Dichloropropane

Concen: 20.494 ug/l

RT: 4.471 min Scan# 555

Delta R.T. -0.006 min

Lab File: VX037647.D

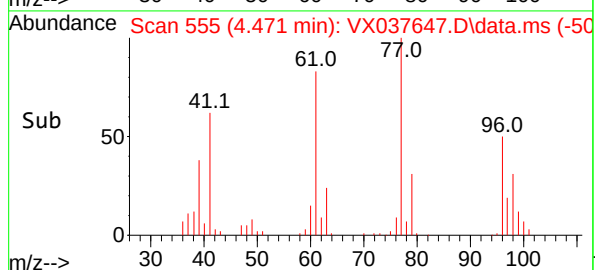
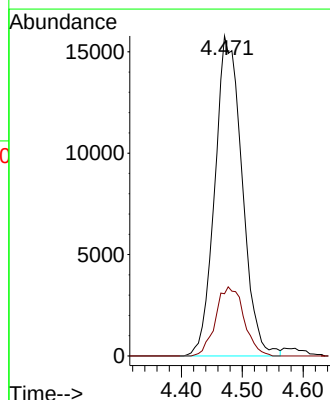
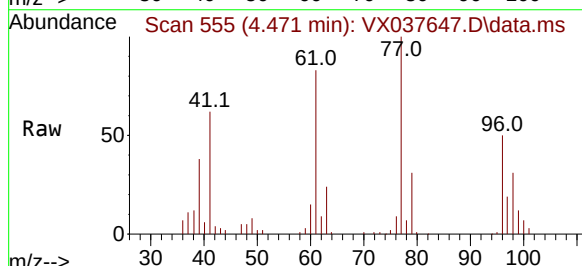
Acq: 11 Sep 2023 17:48

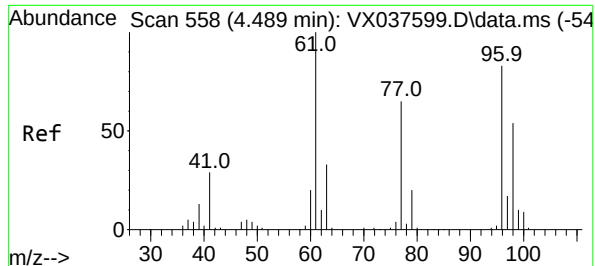
Tgt Ion: 77 Resp: 49067

Ion Ratio Lower Upper

77 100

97 22.4 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 19.165 ug/l

RT: 4.489 min Scan# 558

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 96 Resp: 43039

Ion Ratio Lower Upper

96 100

61 146.1 0.0 312.2

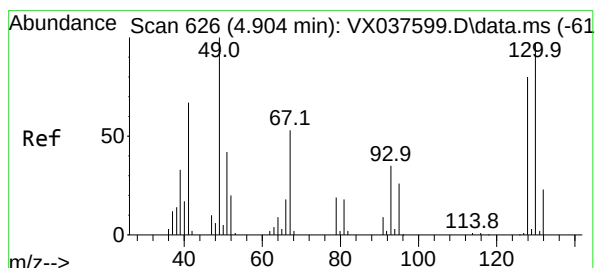
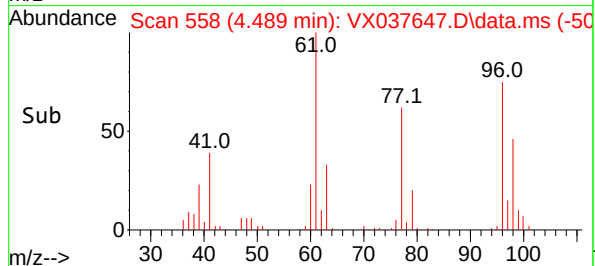
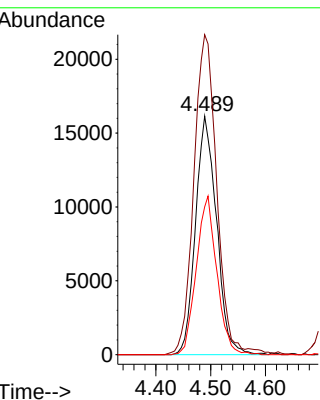
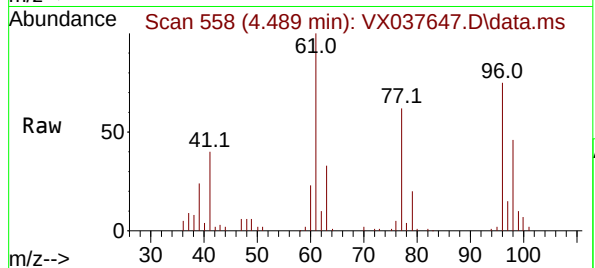
98 64.8 0.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#28

Bromochloromethane

Concen: 18.256 ug/l

RT: 4.904 min Scan# 626

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

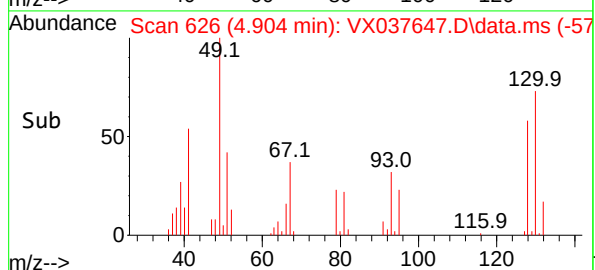
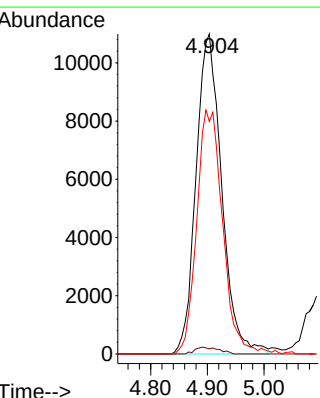
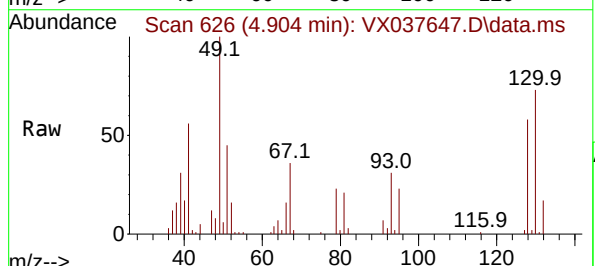
Tgt Ion: 49 Resp: 34511

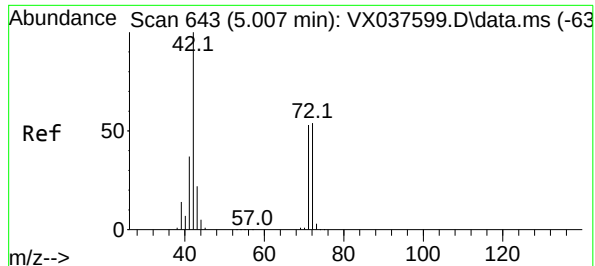
Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

130 77.1 57.5 86.3





#29

Tetrahydrofuran

Concen: 96.051 ug/l

RT: 5.007 min Scan# 643

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 42 Resp: 105219

Ion Ratio Lower Upper

42 100

72 48.3 34.2 51.4

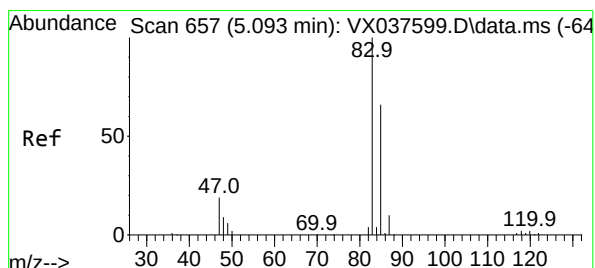
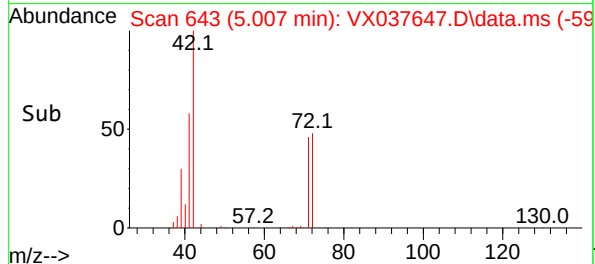
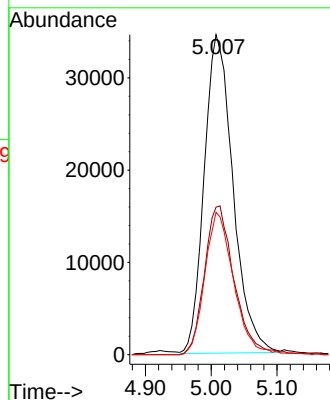
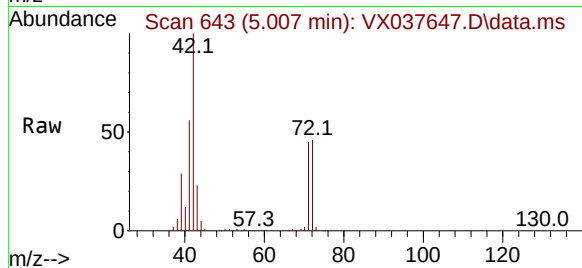
71 44.9 32.2 48.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#30

Chloroform

Concen: 19.264 ug/l

RT: 5.093 min Scan# 657

Delta R.T. -0.000 min

Lab File: VX037647.D

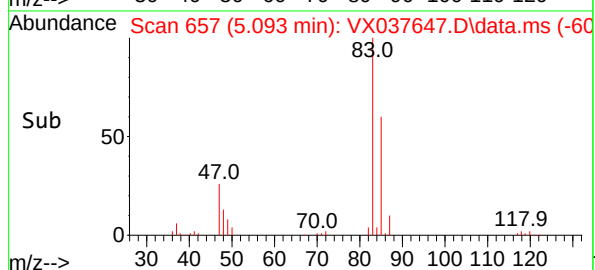
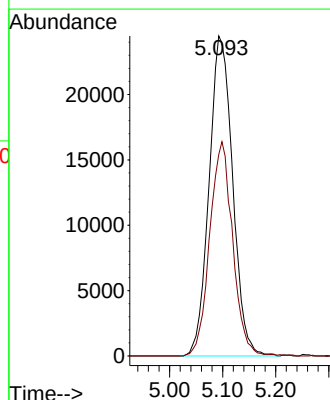
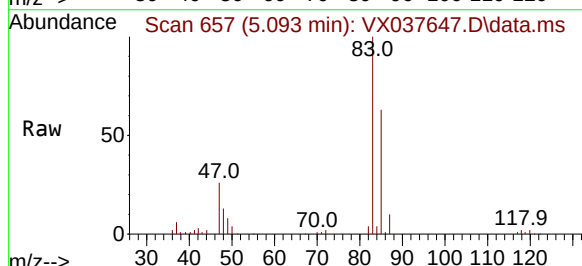
Acq: 11 Sep 2023 17:48

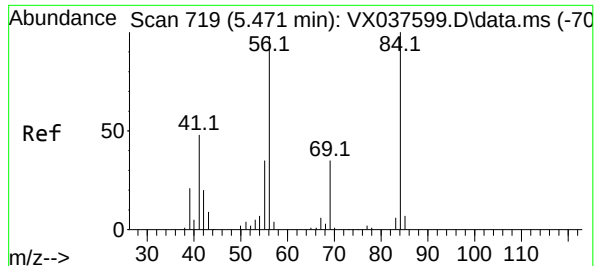
Tgt Ion: 83 Resp: 75555

Ion Ratio Lower Upper

83 100

85 62.9 50.3 75.5





#31

Cyclohexane

Concen: 18.902 ug/l

RT: 5.477 min Scan# 719

Delta R.T. 0.006 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 55649

Ion Ratio Lower Upper

56 100

69 30.1 23.4 35.2

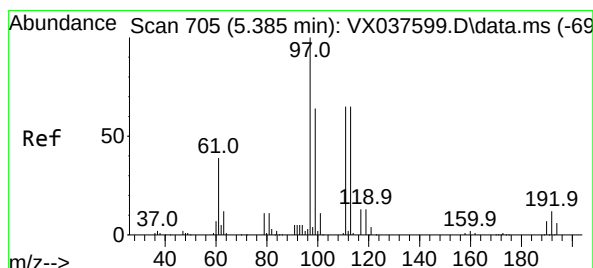
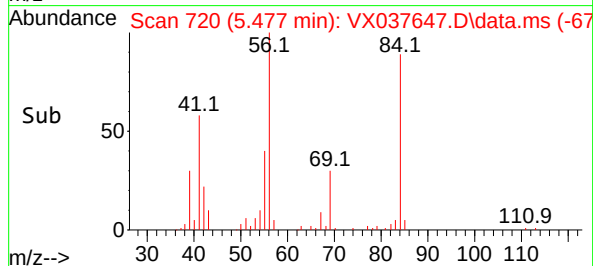
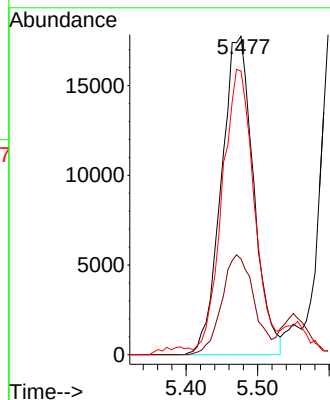
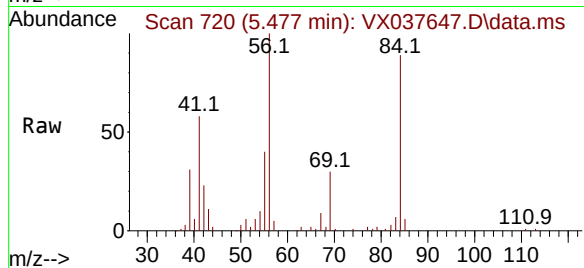
84 86.6 65.9 98.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#32

1,1,1-Trichloroethane

Concen: 19.391 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

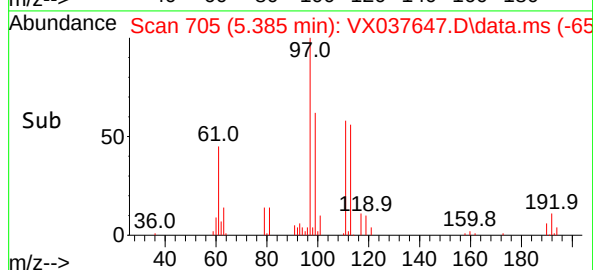
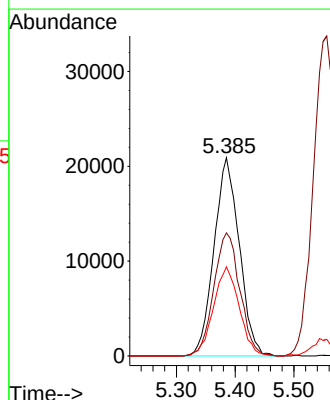
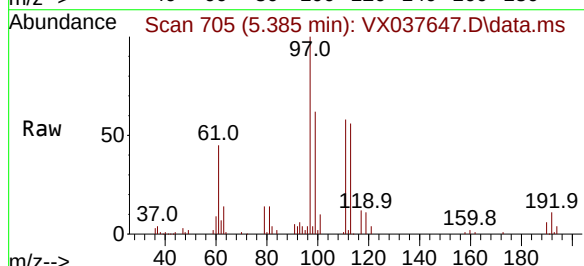
Tgt Ion: 97 Resp: 62452

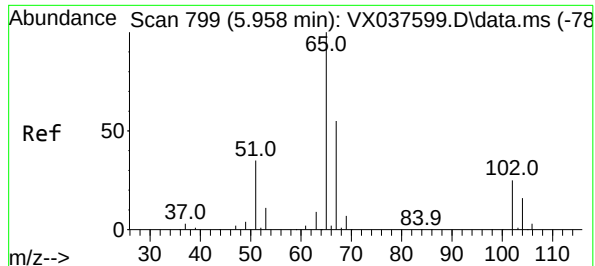
Ion Ratio Lower Upper

97 100

99 63.8 51.1 76.7

61 45.8 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 18.180 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 4726

Ion Ratio Lower Upper

65 100

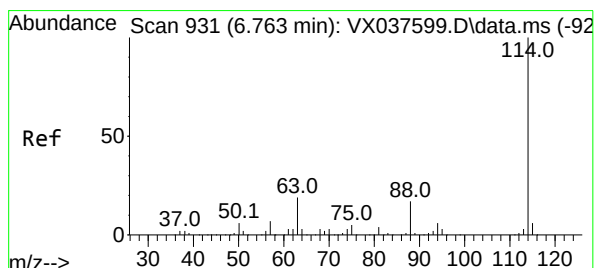
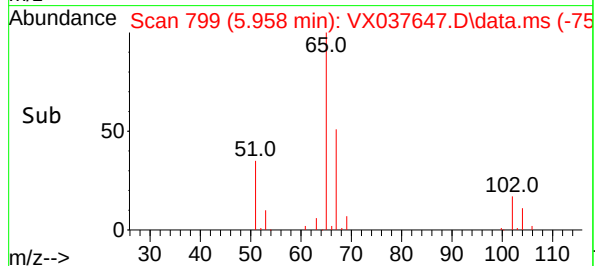
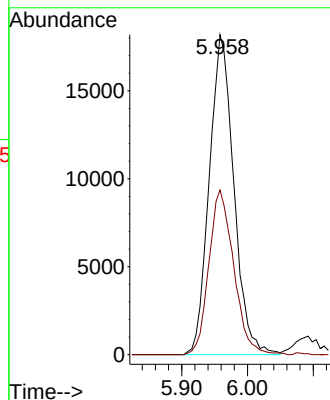
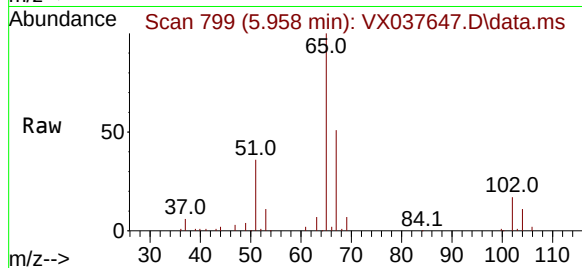
67 52.1 0.0 100.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

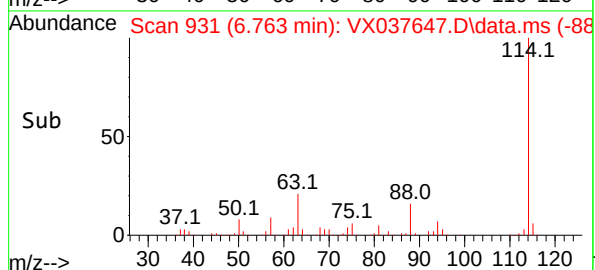
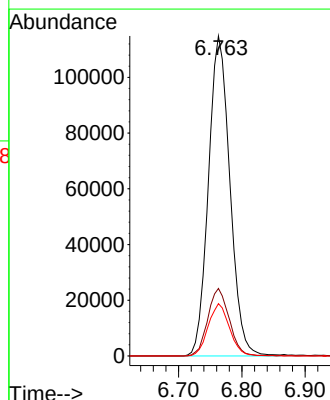
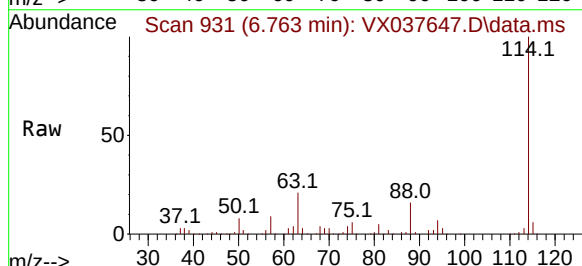
Tgt Ion:114 Resp: 271110

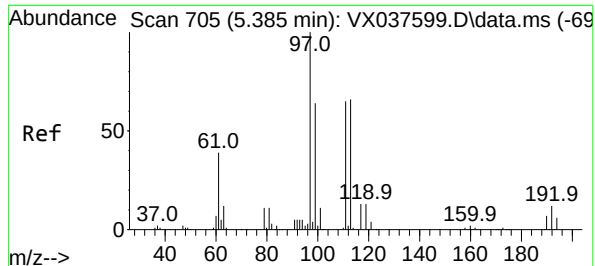
Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.0

88 16.3 0.0 36.6





#35

Dibromofluoromethane

Concen: 18.924 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

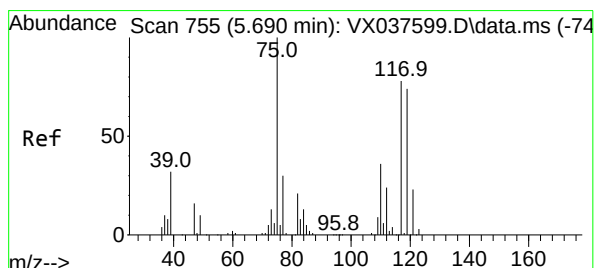
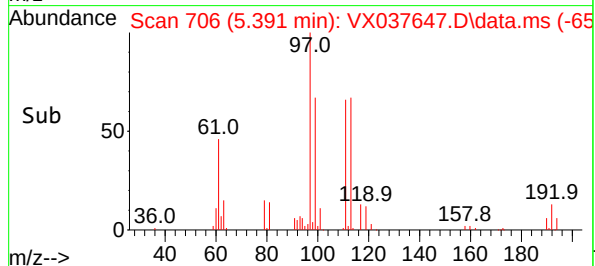
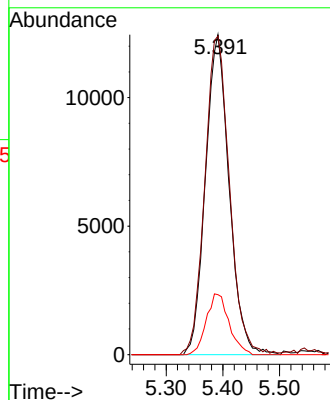
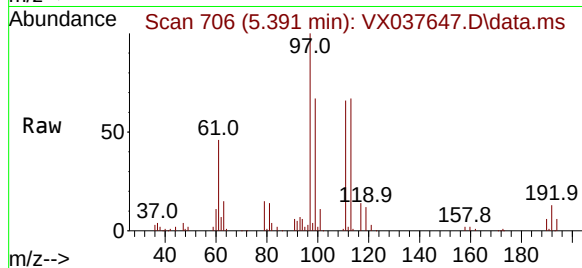
Tgt Ion:	113	Resp:	35978
Ion Ratio	Lower	Upper	
113	100		
111	103.9	82.9	124.3
192	18.3	13.3	19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#36

1,1-Dichloropropene

Concen: 18.550 ug/l

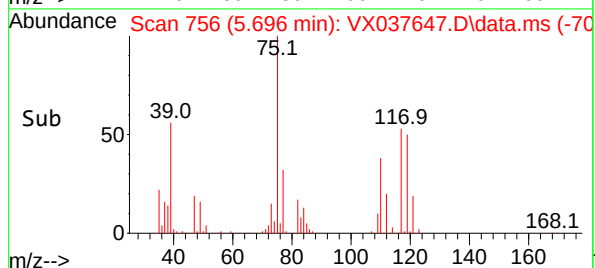
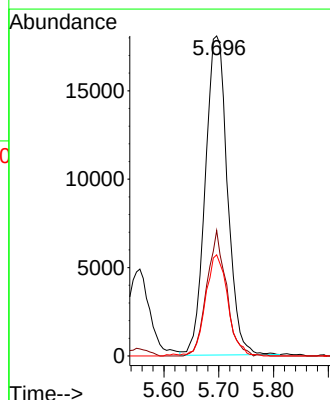
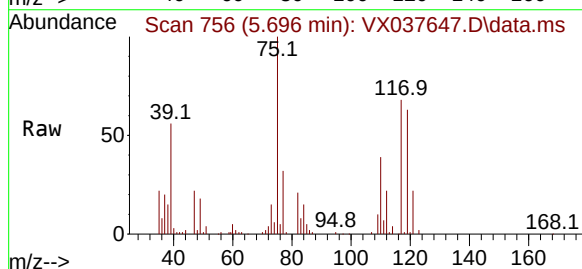
RT: 5.696 min Scan# 756

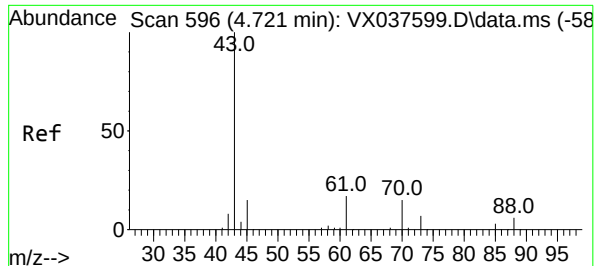
Delta R.T. 0.006 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Tgt Ion:	75	Resp:	50697
Ion Ratio	Lower	Upper	
75	100		
110	34.8	17.0	50.9
77	31.8	24.7	37.1





#37

Ethyl Acetate

Concen: 20.155 ug/l

RT: 4.721 min Scan# 596

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

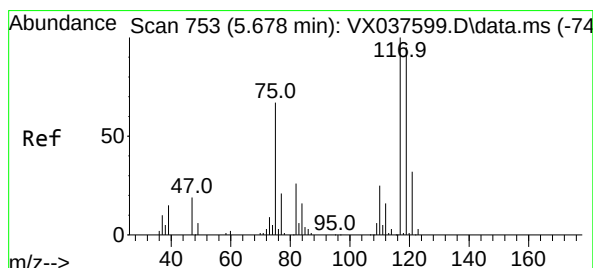
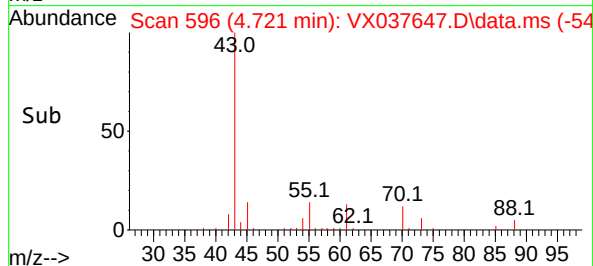
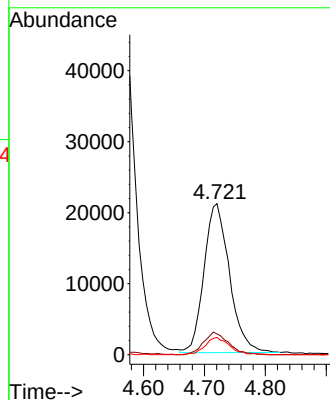
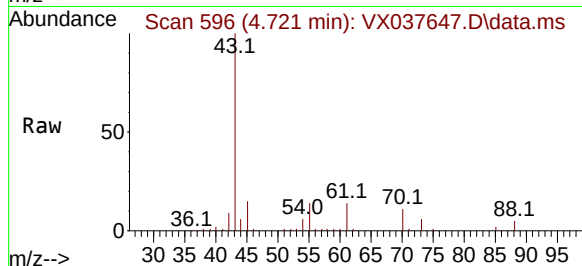
ClientSampleId :

VSTDIC020

Tgt Ion:	43	Resp:	61020
Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.6	16.0
70	11.1	8.3	12.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#38

Carbon Tetrachloride

Concen: 19.978 ug/l

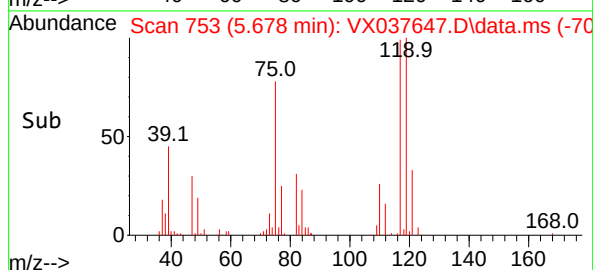
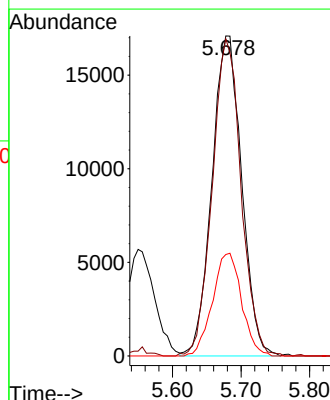
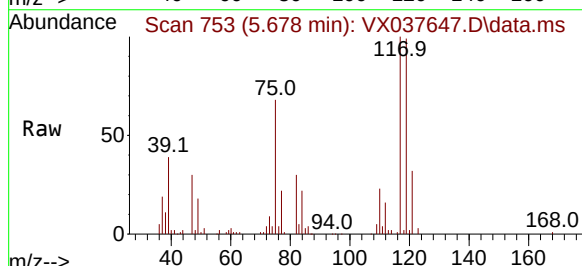
RT: 5.678 min Scan# 753

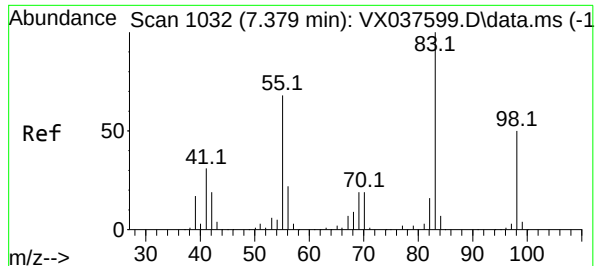
Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Tgt Ion:	117	Resp:	51465
Ion	Ratio	Lower	Upper
117	100		
119	98.4	78.2	117.2
121	31.7	24.4	36.6





#39

Methylcyclohexane

Concen: 19.353 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 83 Resp: 60618

Ion Ratio Lower Upper

83 100

55 76.1 64.6 97.0

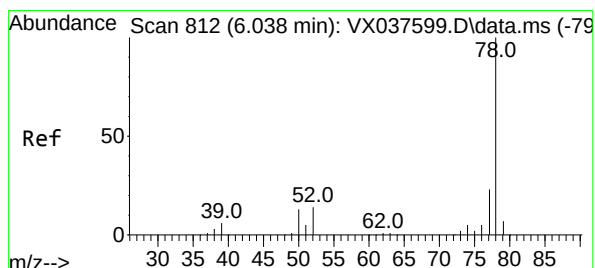
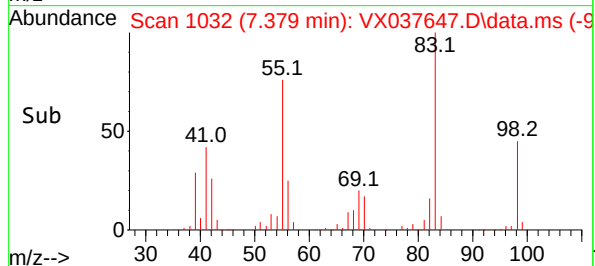
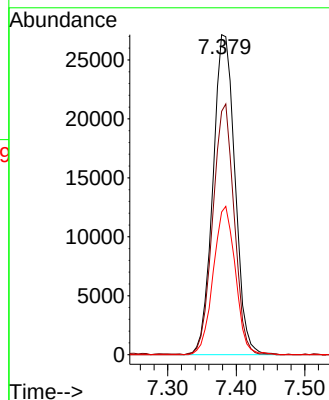
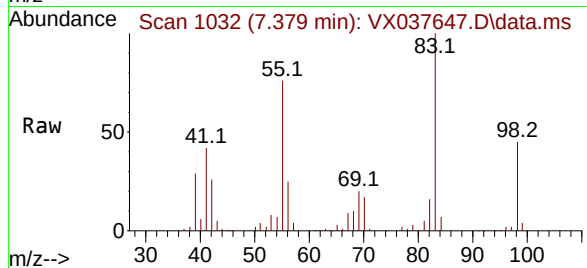
98 44.6 36.7 55.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#40

Benzene

Concen: 19.388 ug/l

RT: 6.037 min Scan# 812

Delta R.T. -0.000 min

Lab File: VX037647.D

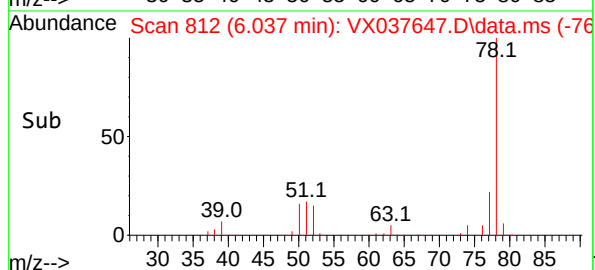
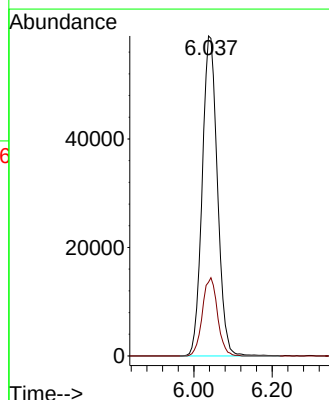
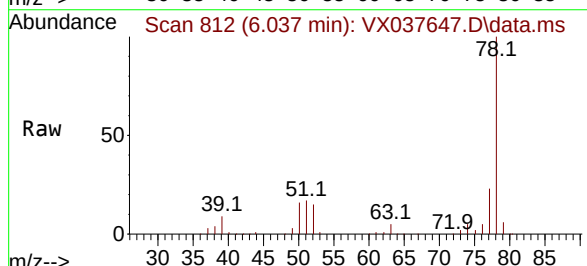
Acq: 11 Sep 2023 17:48

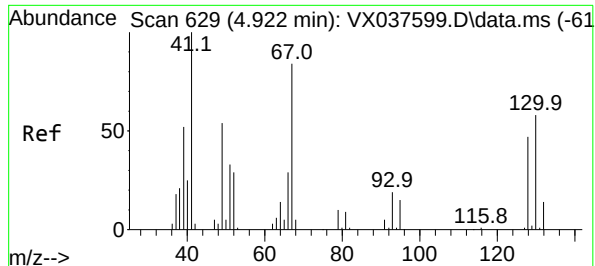
Tgt Ion: 78 Resp: 159010

Ion Ratio Lower Upper

78 100

77 23.1 19.3 28.9





#41

Methacrylonitrile

Concen: 19.889 ug/l

RT: 4.928 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 41 Resp: 31924

Ion Ratio Lower Upper

41 100

39 56.0 45.2 67.8

67 77.8 52.6 78.8

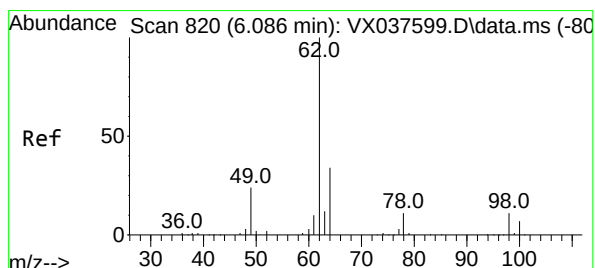
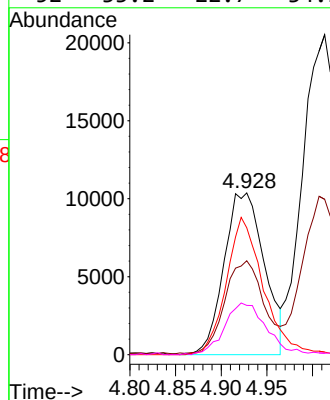
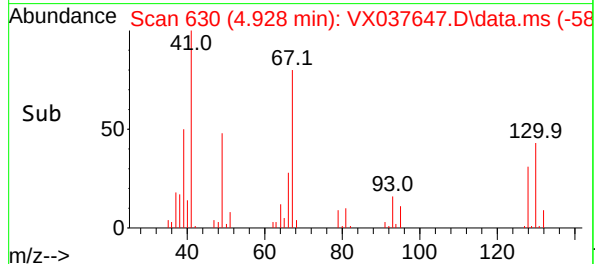
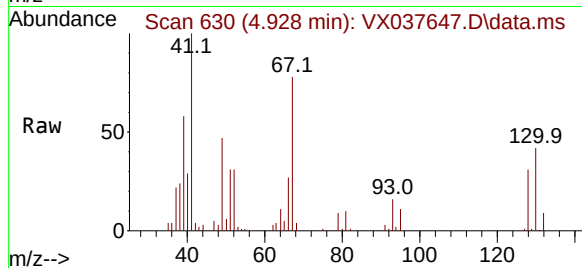
52 33.2 22.7 34.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#42

1,2-Dichloroethane

Concen: 19.157 ug/l

RT: 6.086 min Scan# 820

Delta R.T. -0.000 min

Lab File: VX037647.D

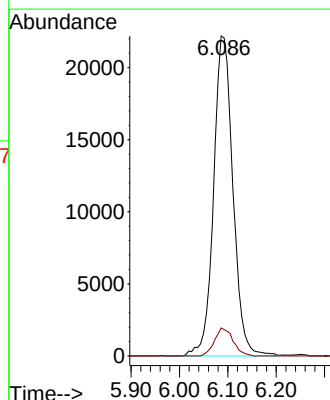
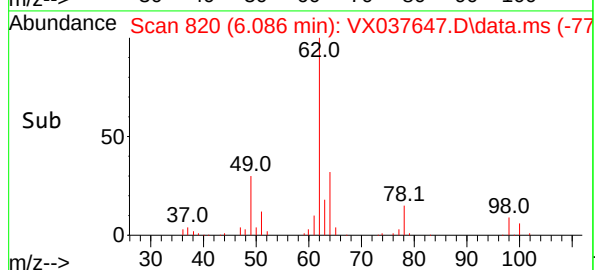
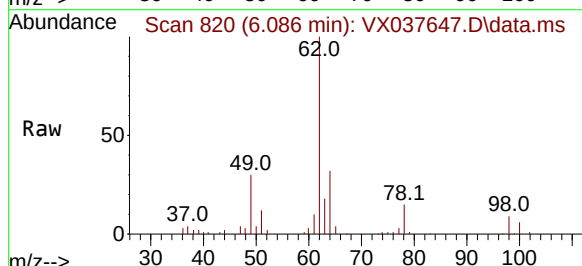
Acq: 11 Sep 2023 17:48

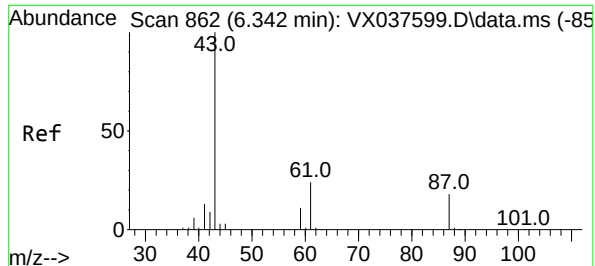
Tgt Ion: 62 Resp: 61639

Ion Ratio Lower Upper

62 100

98 8.4 0.0 16.0





#43

Isopropyl Acetate

Concen: 20.678 ug/l

RT: 6.342 min Scan# 862

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

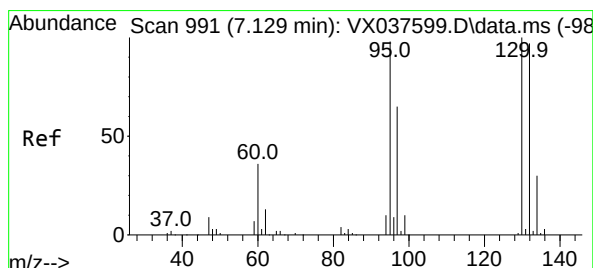
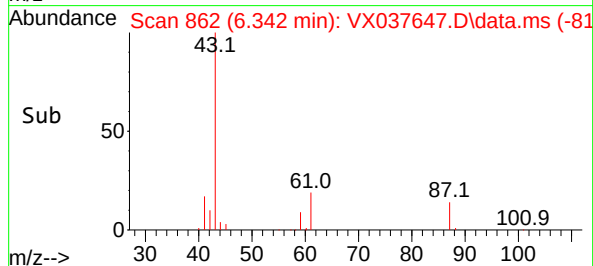
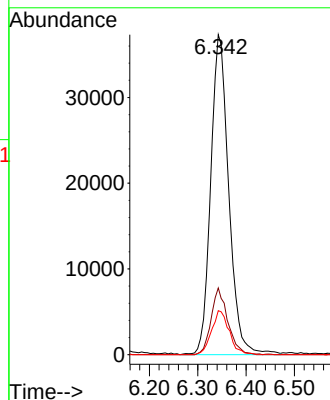
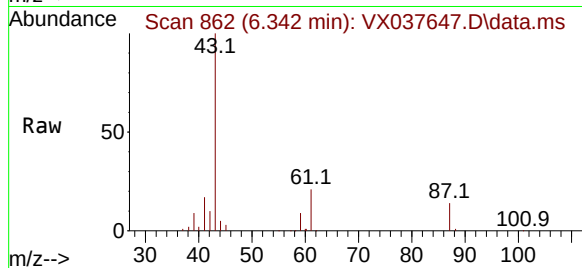
VSTDIC020

Tgt Ion:	43	Resp:	9683
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.2	22.8
87	13.5	9.8	14.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#44

Trichloroethene

Concen: 19.668 ug/l

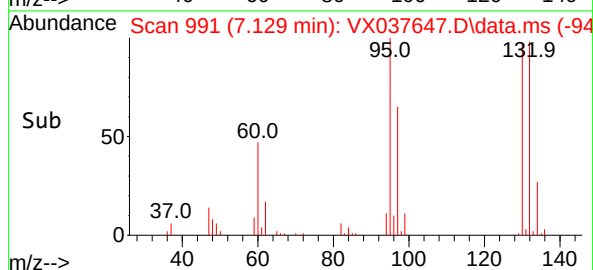
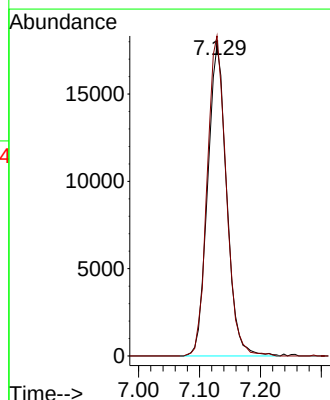
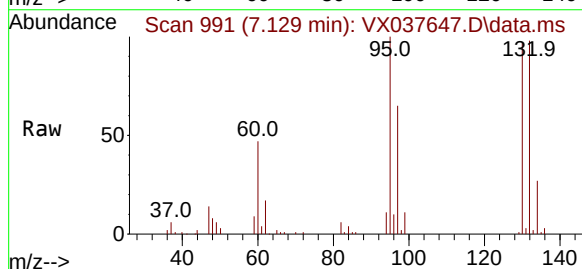
RT: 7.129 min Scan# 991

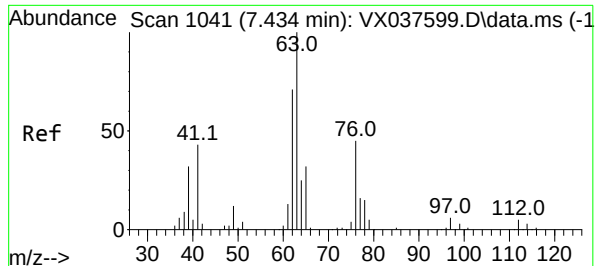
Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Tgt Ion:	130	Resp:	38715
Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	204.4





#45

1,2-Dichloropropane

Concen: 20.108 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 4290

Ion Ratio Lower Upper

63 100

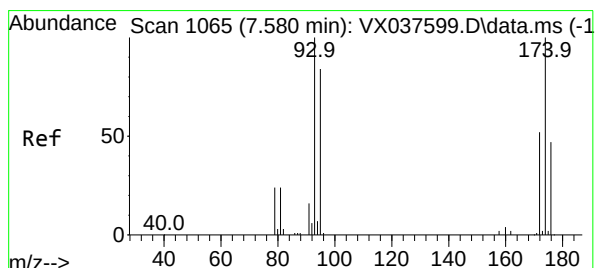
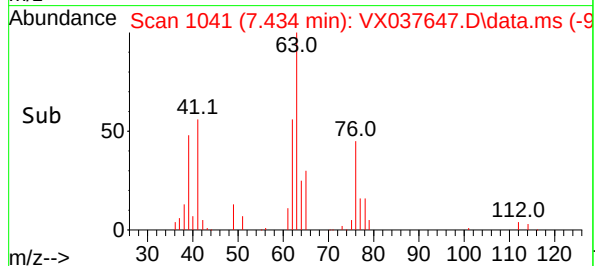
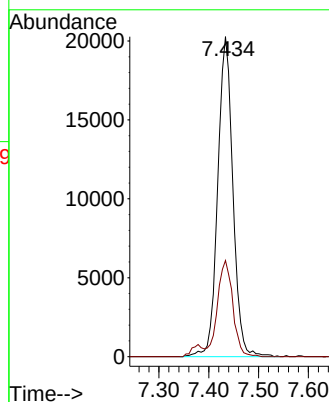
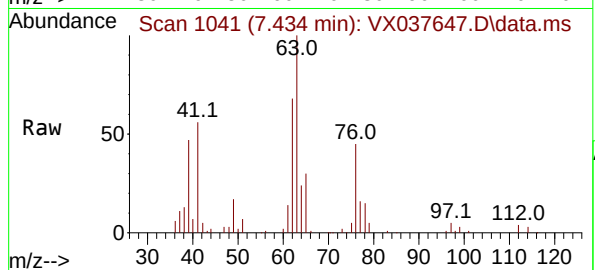
65 30.1 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#46

Dibromomethane

Concen: 19.633 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

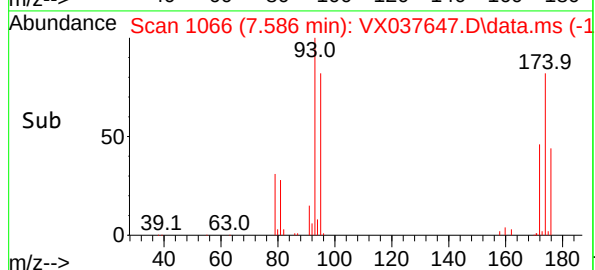
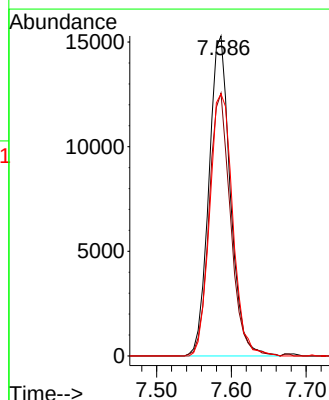
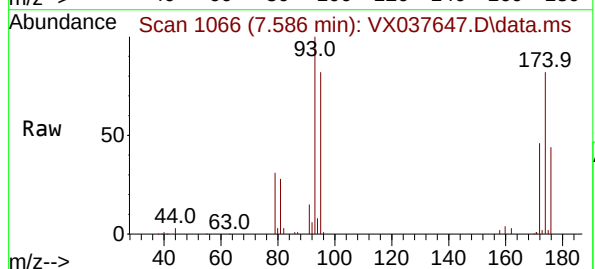
Tgt Ion: 93 Resp: 30513

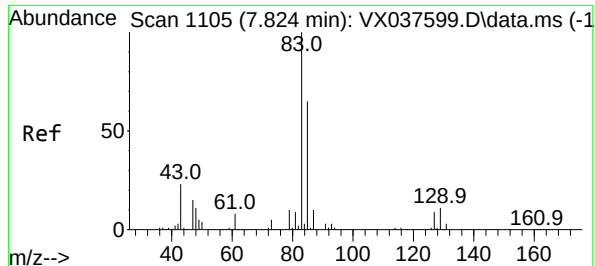
Ion Ratio Lower Upper

93 100

95 81.9 66.6 100.0

174 87.7 69.4 104.0





#47

Bromodichloromethane

Concen: 21.115 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

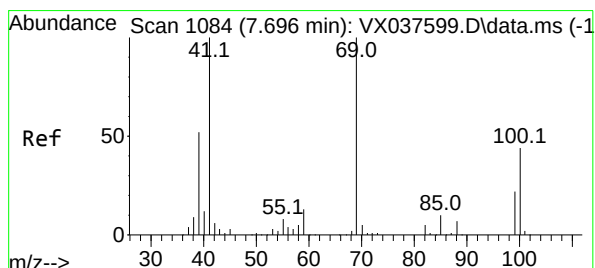
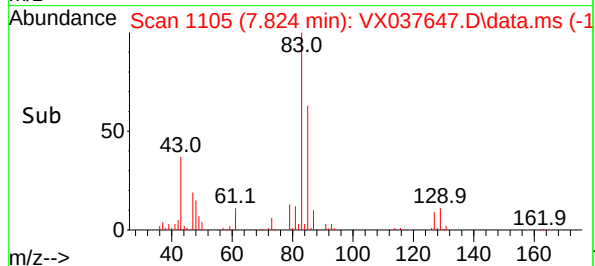
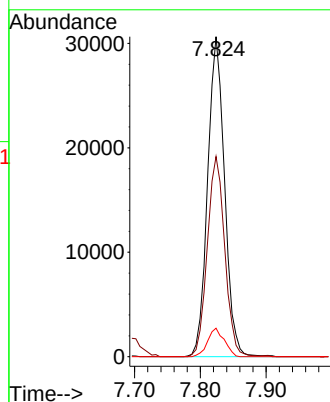
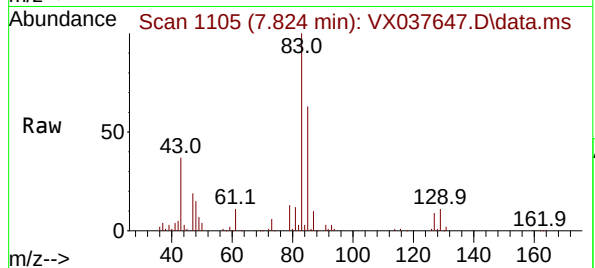
VSTDIC020

Tgt Ion: 83	Resp: 5496
Ion Ratio	Lower Upper
83 100	
85 62.5	49.8 74.6
127 8.9	7.1 10.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#48

Methyl methacrylate

Concen: 20.321 ug/l

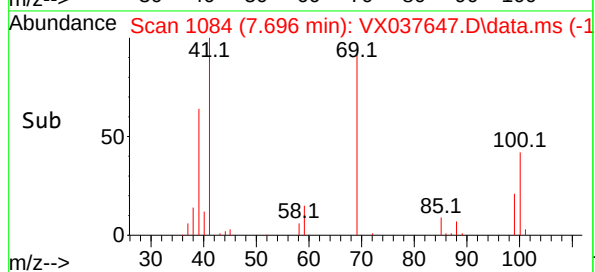
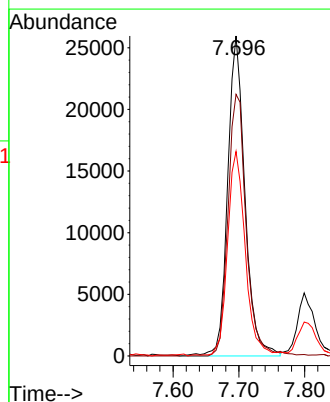
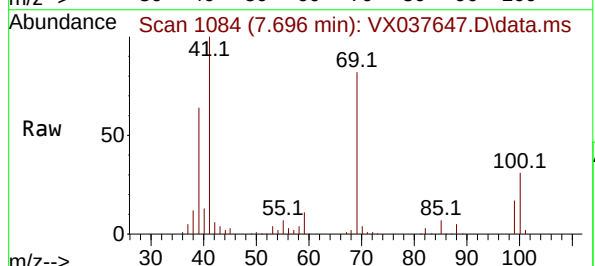
RT: 7.696 min Scan# 1084

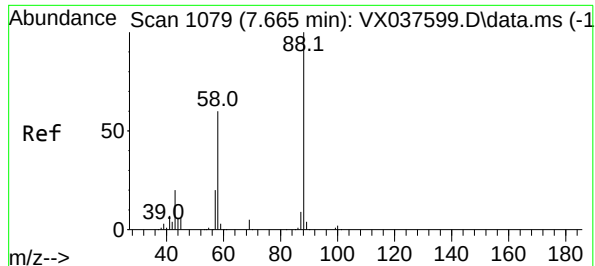
Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Tgt Ion: 41	Resp: 47400
Ion Ratio	Lower Upper
41 100	
69 86.6	59.2 88.8
39 65.1	47.7 71.5





#49

1,4-Dioxane

Concen: 399.725 ug/l

RT: 7.659 min Scan# 1079

Delta R.T. -0.006 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

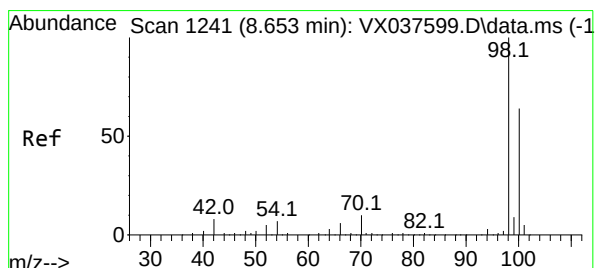
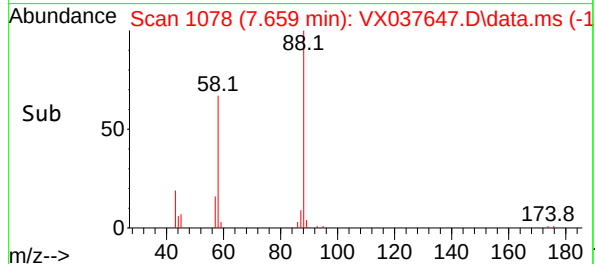
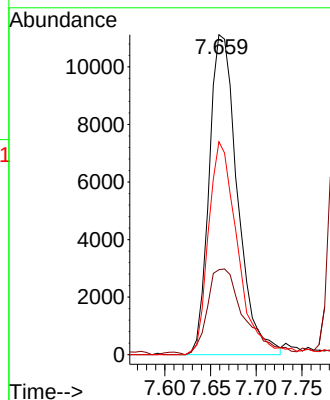
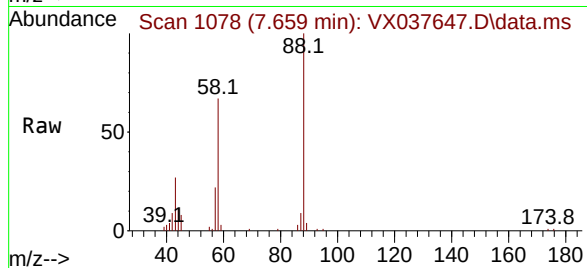
VSTDICC020

Tgt Ion: 88 Resp: 23930
Ion Ratio Lower Upper
88 100
43 34.8 0.0 0.0
58 68.5 60.1 90.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#50

Toluene-d8

Concen: 18.768 ug/l

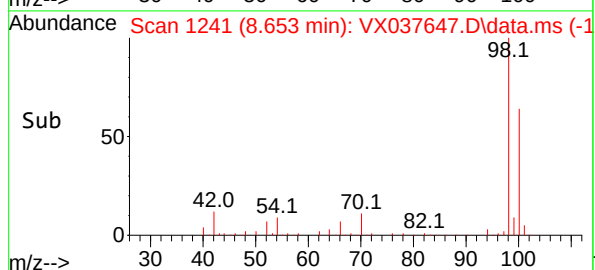
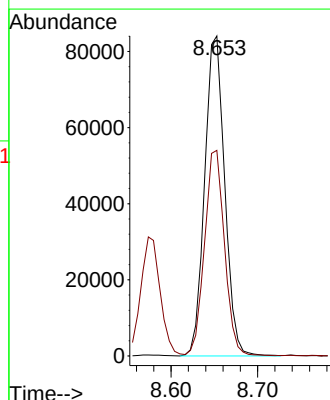
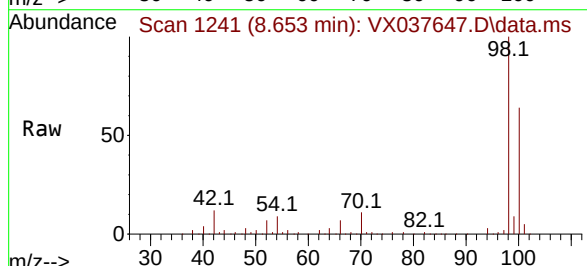
RT: 8.653 min Scan# 1241

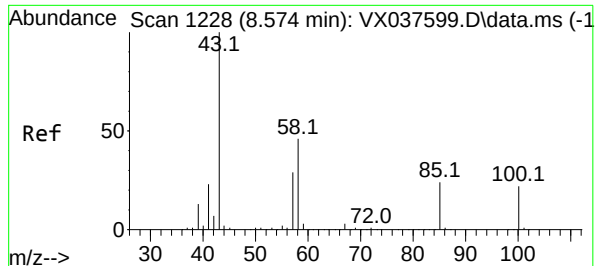
Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Tgt Ion: 98 Resp: 135230
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7





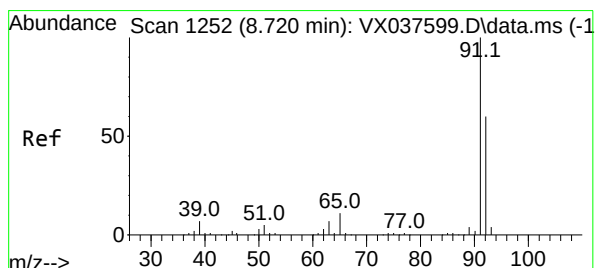
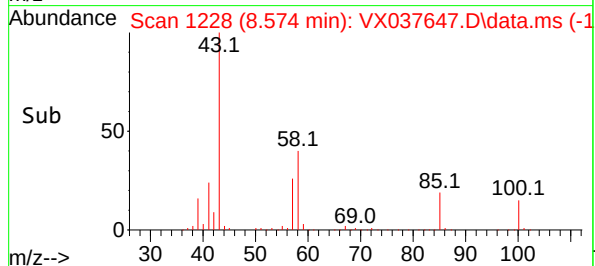
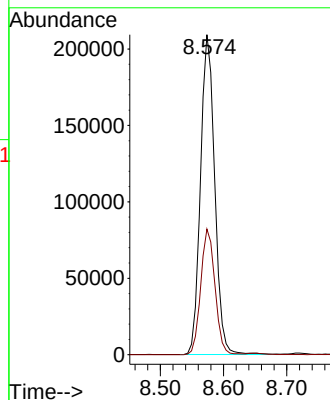
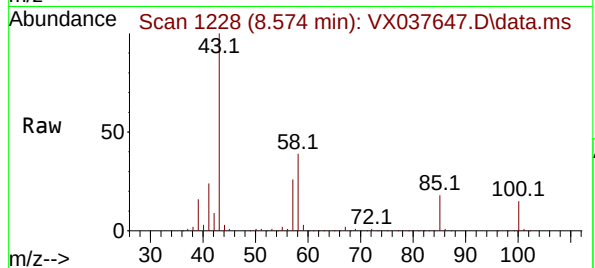
#51
4-Methyl-2-Pentanone
Concen: 102.801 ug/l
RT: 8.574 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037647.D
Acq: 11 Sep 2023 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 328744
Ion Ratio Lower Upper
43 100
58 39.3 30.4 45.6

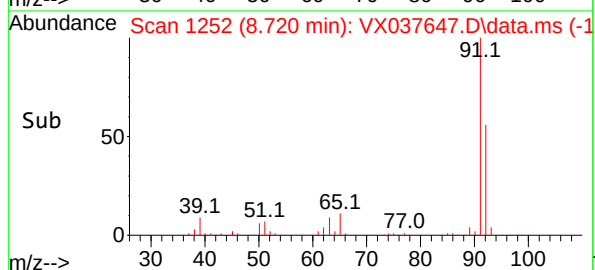
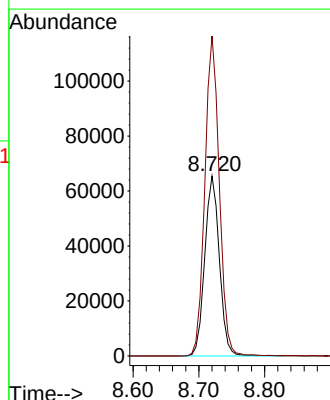
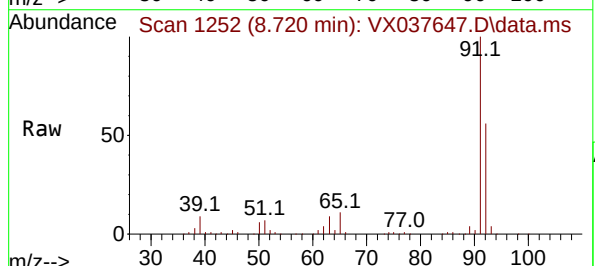
Manual Integrations
APPROVED

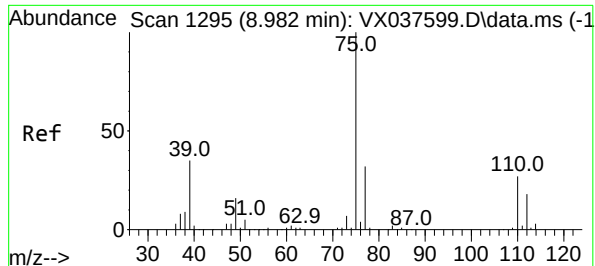
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#52
Toluene
Concen: 20.026 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX037647.D
Acq: 11 Sep 2023 17:48

Tgt Ion: 92 Resp: 101088
Ion Ratio Lower Upper
92 100
91 175.6 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 22.169 ug/l

RT: 8.982 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 75 Resp: 53840

Ion Ratio Lower Upper

75 100

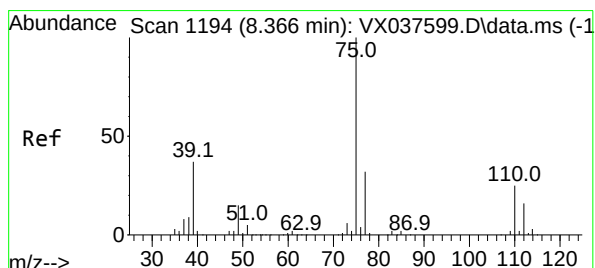
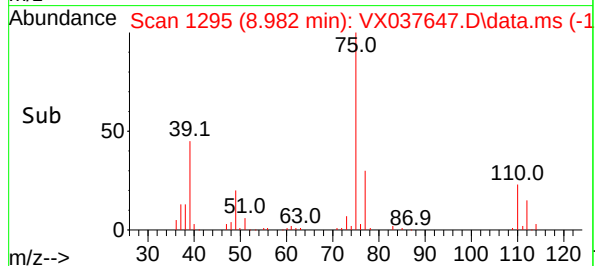
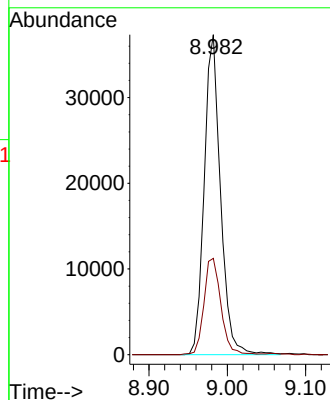
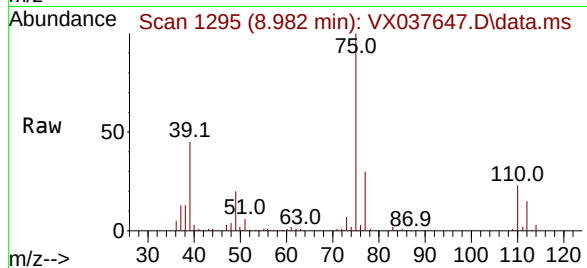
77 30.1 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#54

cis-1,3-Dichloropropene

Concen: 21.672 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

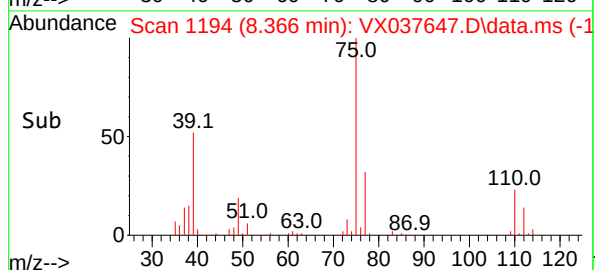
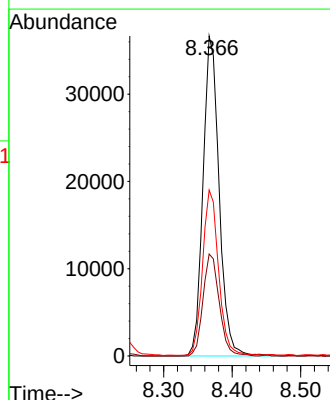
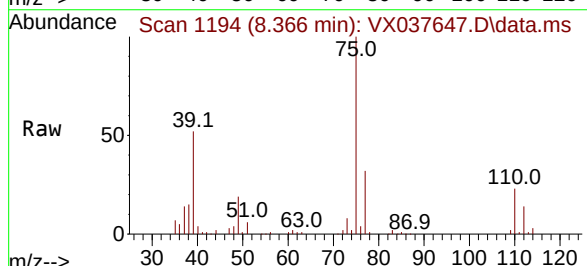
Tgt Ion: 75 Resp: 59998

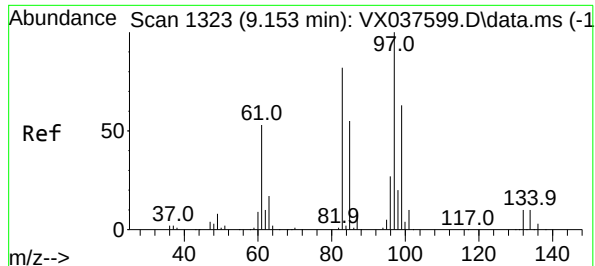
Ion Ratio Lower Upper

75 100

77 31.8 25.3 37.9

39 51.7 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 19.895 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 4338

Ion Ratio Lower Upper

97 100

83 85.1 65.8 98.8

85 57.0 41.6 62.4

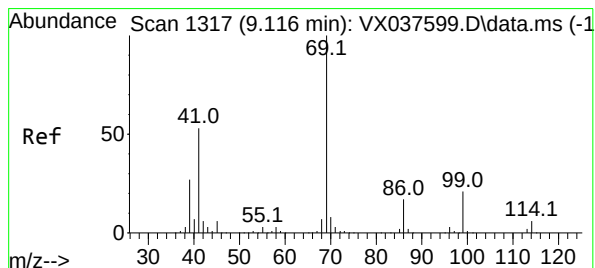
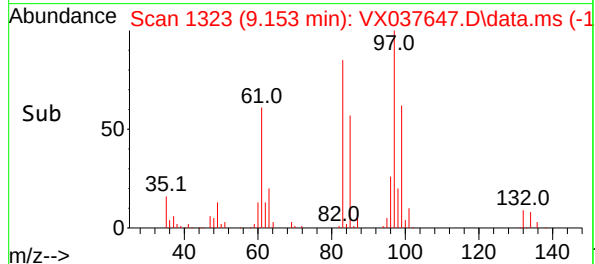
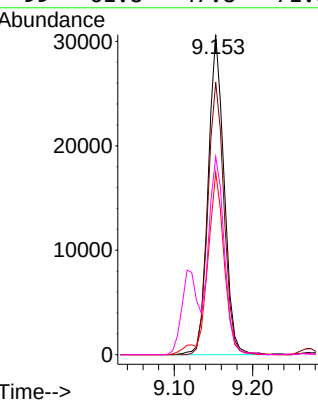
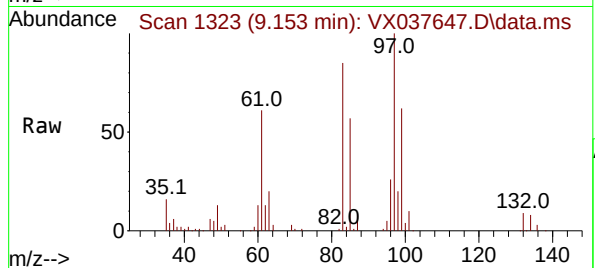
99 61.8 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#56

Ethyl methacrylate

Concen: 21.557 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

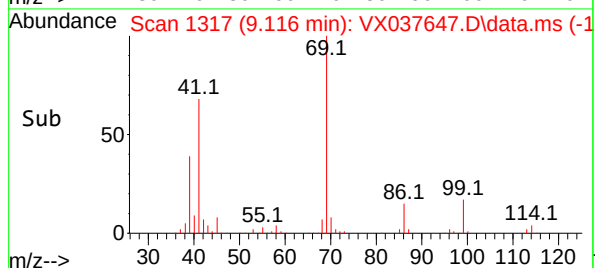
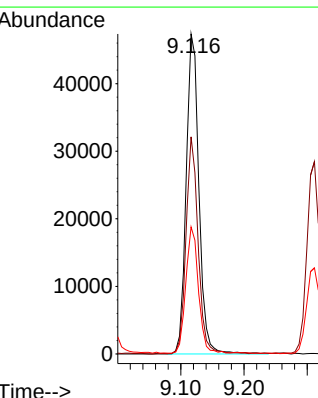
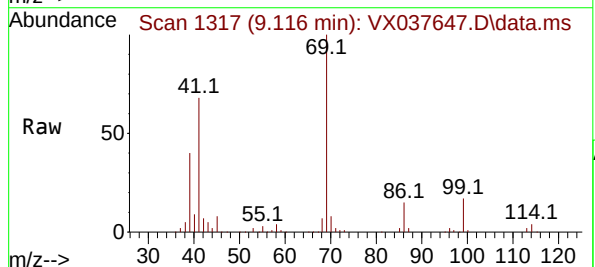
Tgt Ion: 69 Resp: 66539

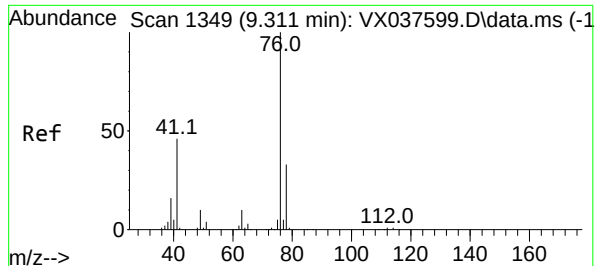
Ion Ratio Lower Upper

69 100

41 64.8 56.8 85.2

39 38.8 32.0 48.0





#57

1,3-Dichloropropane

Concen: 19.364 ug/l

RT: 9.311 min Scan# 1174

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 71669

Ion Ratio Lower Upper

76 100

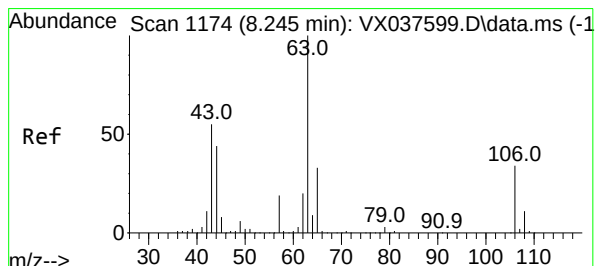
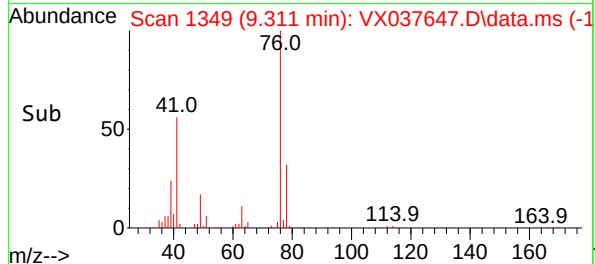
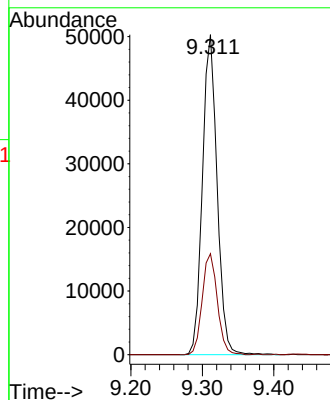
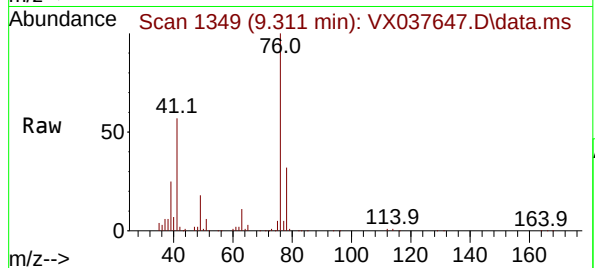
78 32.4 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#58

2-Chloroethyl Vinyl ether

Concen: 92.192 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. -0.000 min

Lab File: VX037647.D

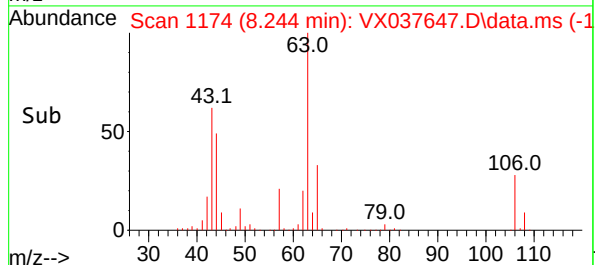
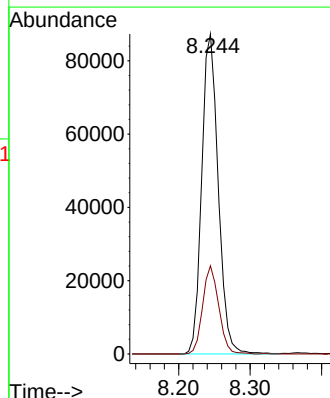
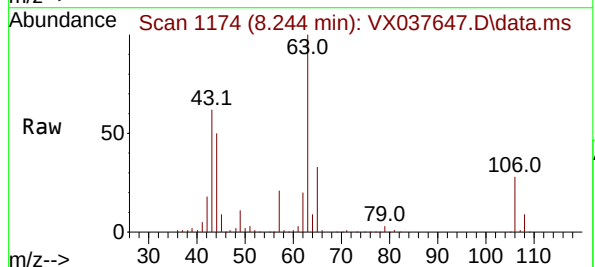
Acq: 11 Sep 2023 17:48

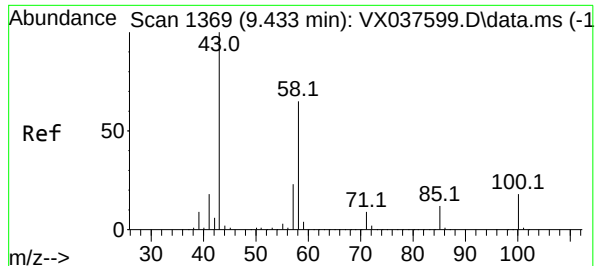
Tgt Ion: 63 Resp: 139826

Ion Ratio Lower Upper

63 100

106 26.8 22.5 33.7





#59

2-Hexanone

Concen: 106.627 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 256254

Ion Ratio Lower Upper

43 100

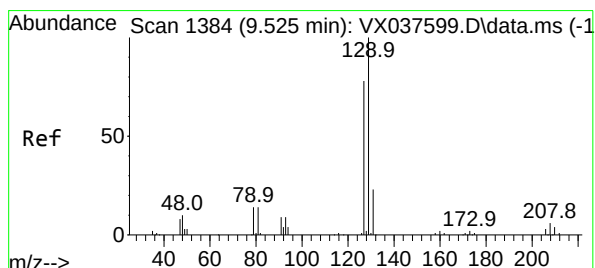
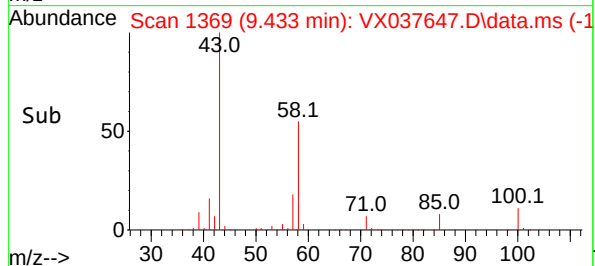
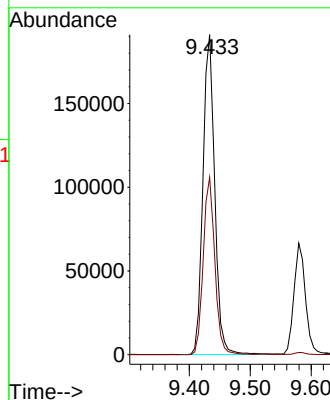
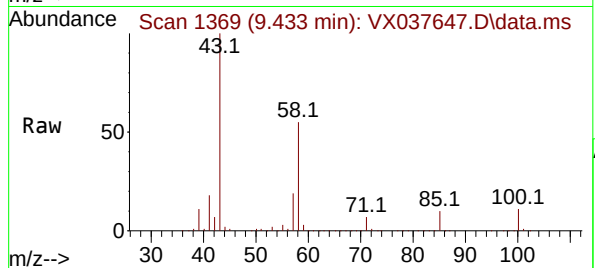
58 54.7 26.2 78.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#60

Dibromochloromethane

Concen: 21.409 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VX037647.D

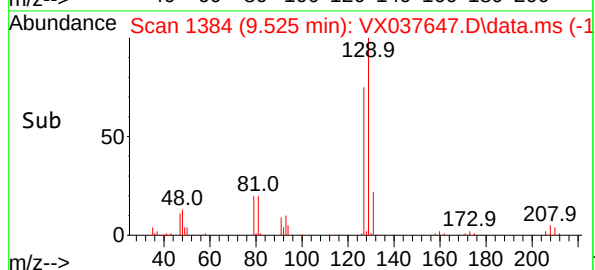
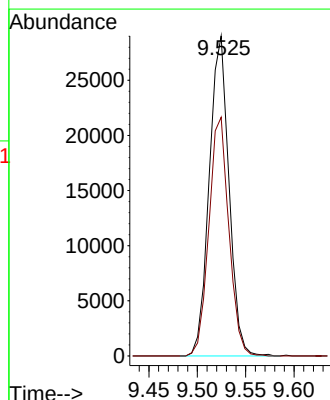
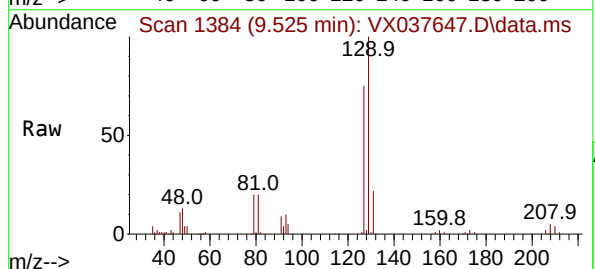
Acq: 11 Sep 2023 17:48

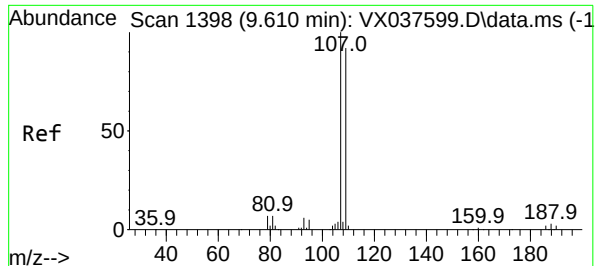
Tgt Ion:129 Resp: 41160

Ion Ratio Lower Upper

129 100

127 75.6 38.8 116.4





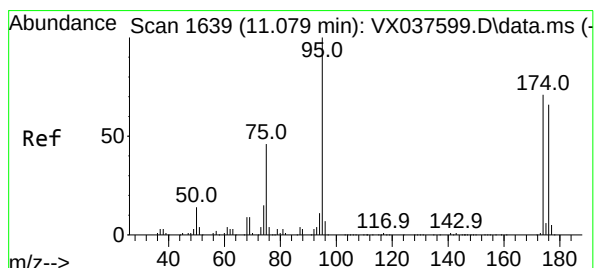
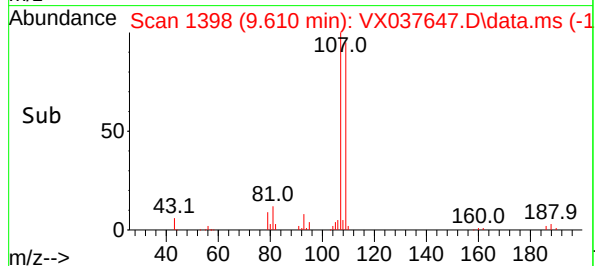
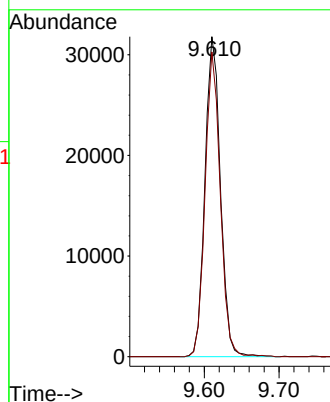
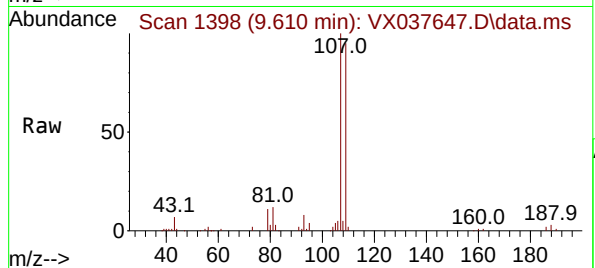
#61
1,2-Dibromoethane
Concen: 20.456 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. -0.000 min
Lab File: VX037647.D
Acq: 11 Sep 2023 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 45698
Ion Ratio Lower Upper
107 100
109 93.5 75.2 112.8

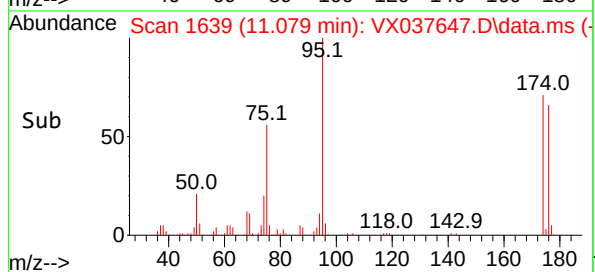
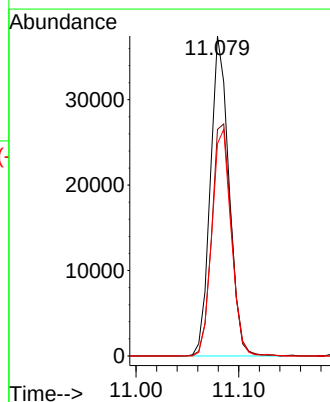
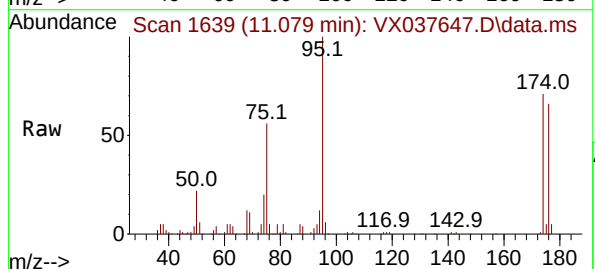
Manual Integrations
APPROVED

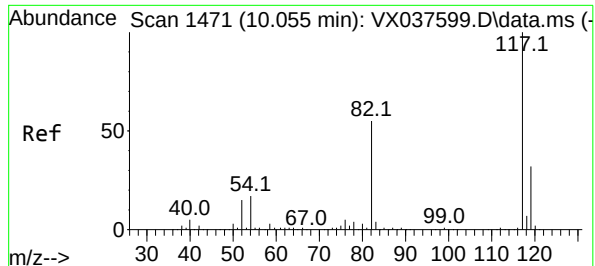
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#62
4-Bromofluorobenzene
Concen: 18.979 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037647.D
Acq: 11 Sep 2023 17:48

Tgt Ion: 95 Resp: 47041
Ion Ratio Lower Upper
95 100
174 76.9 0.0 135.6
176 73.4 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

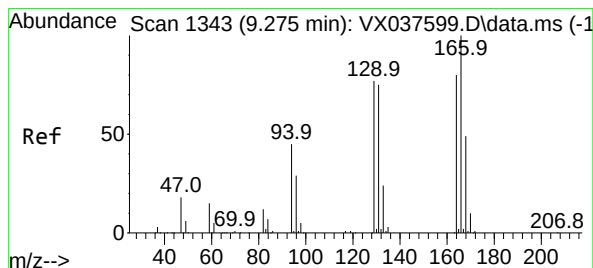
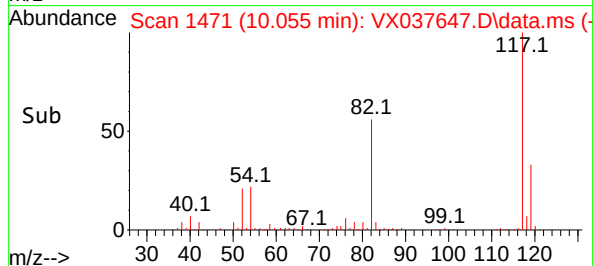
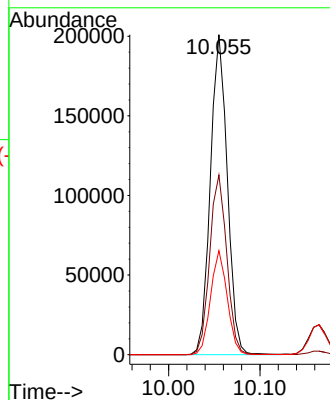
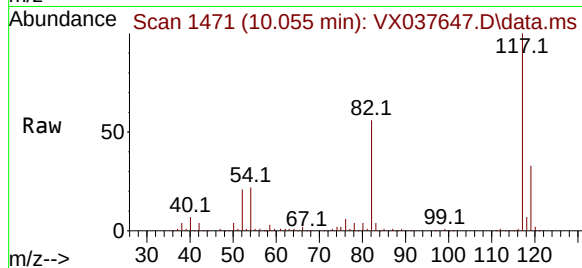
VSTDIC020

Tgt Ion:117	Resp: 25814
Ion Ratio	Lower Upper
117 100	
82 56.2	46.2 69.4
119 32.5	25.5 38.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#64

Tetrachloroethene

Concen: 18.821 ug/l

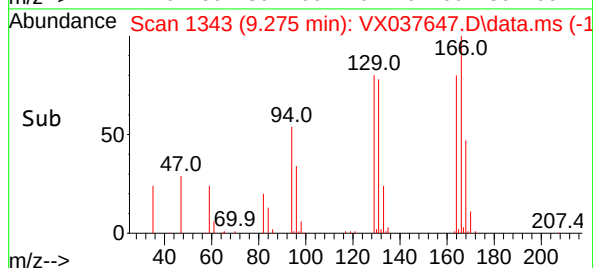
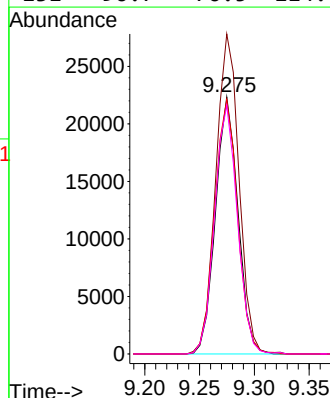
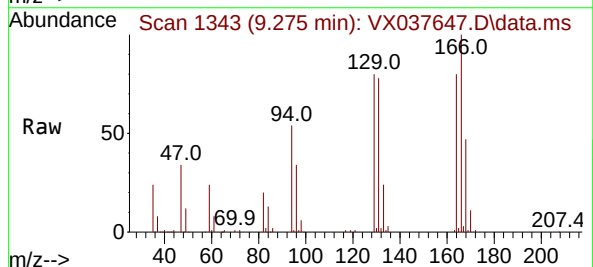
RT: 9.275 min Scan# 1343

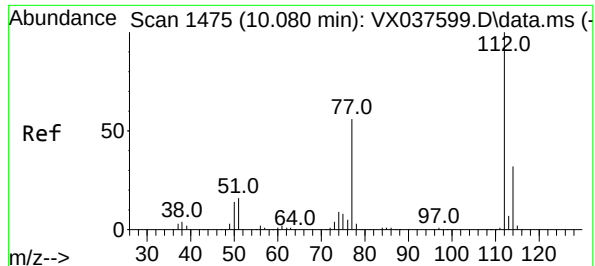
Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Tgt Ion:164	Resp: 31836
Ion Ratio	Lower Upper
164 100	
166 124.5	102.7 154.1
129 99.0	80.4 120.6
131 96.7	76.5 114.7





#65

Chlorobenzene

Concen: 19.060 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:112 Resp: 108474

Ion Ratio Lower Upper

112 100

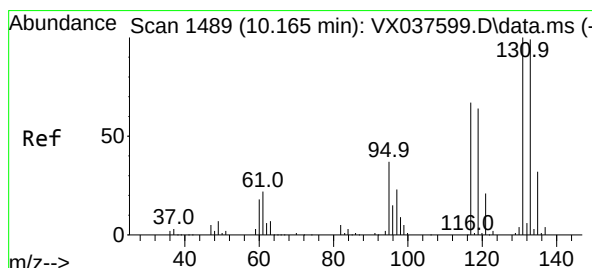
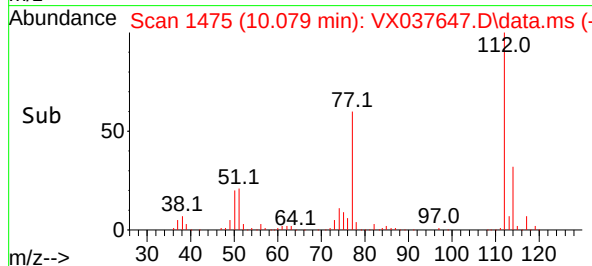
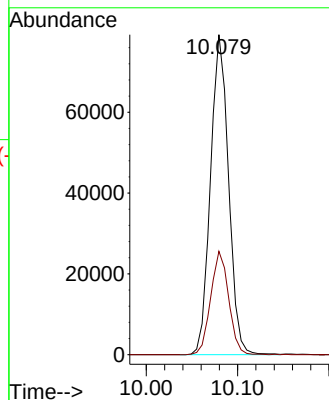
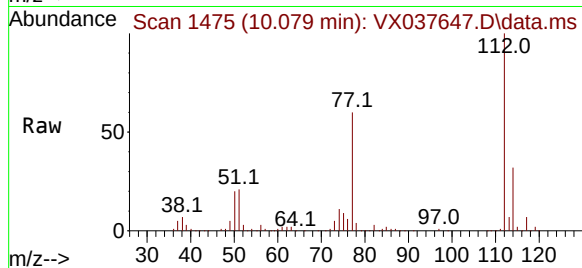
114 32.3 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#66

1,1,1,2-Tetrachloroethane

Concen: 20.371 ug/l

RT: 10.165 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

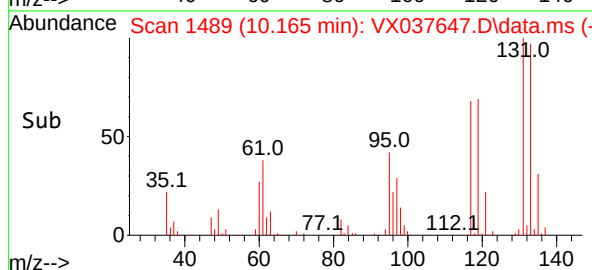
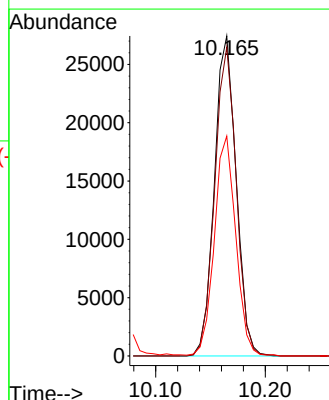
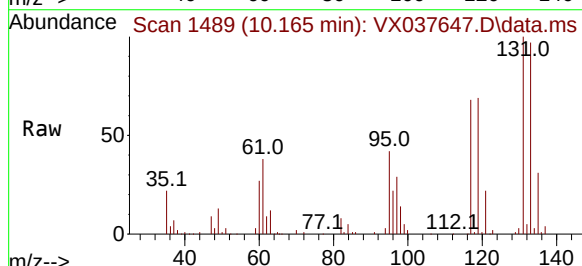
Tgt Ion:131 Resp: 37801

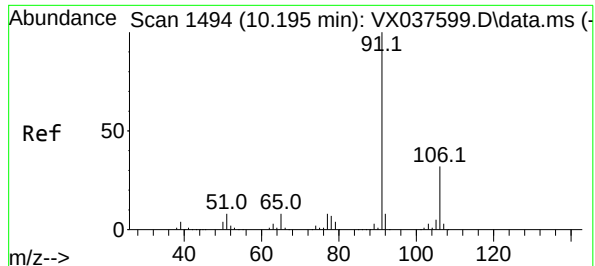
Ion Ratio Lower Upper

131 100

133 96.1 47.1 141.4

119 68.0 32.2 96.6





#67

Ethyl Benzene

Concen: 19.744 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 19602

Ion Ratio Lower Upper

91 100

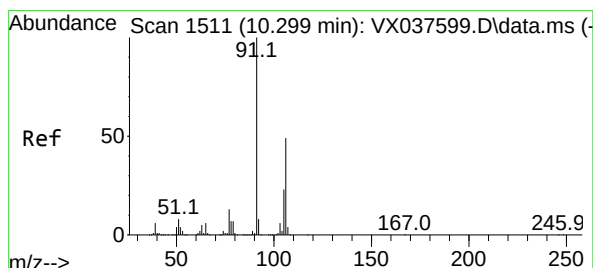
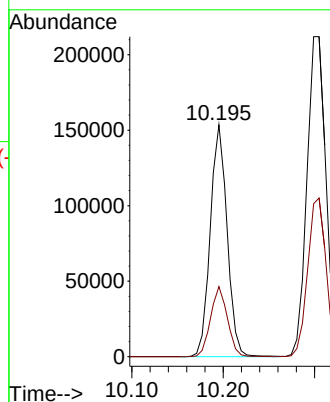
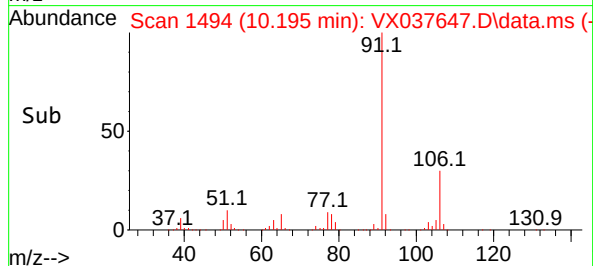
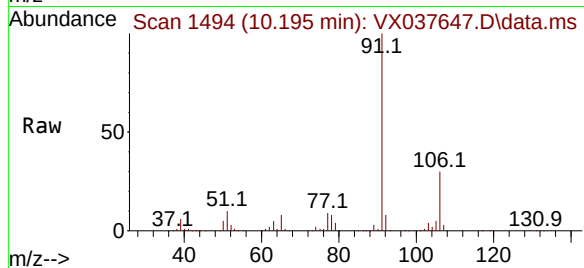
106 30.3 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#68

m/p-Xylenes

Concen: 40.009 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX037647.D

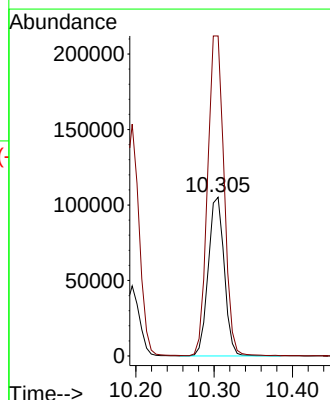
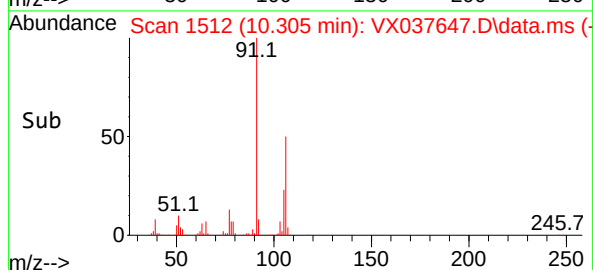
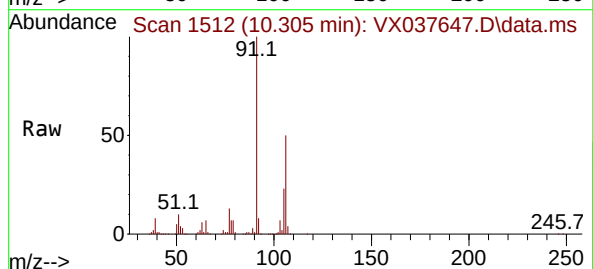
Acq: 11 Sep 2023 17:48

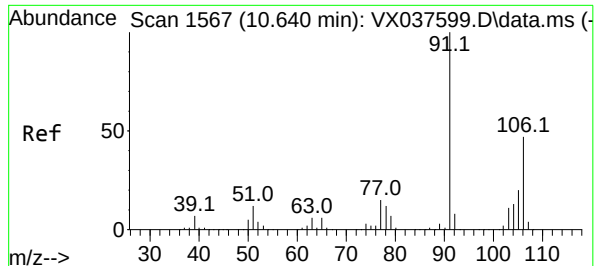
Tgt Ion:106 Resp: 148989

Ion Ratio Lower Upper

106 100

91 207.0 165.5 248.3





#69

o-Xylene

Concen: 19.972 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:106 Resp: 73378

Ion Ratio Lower Upper

106 100

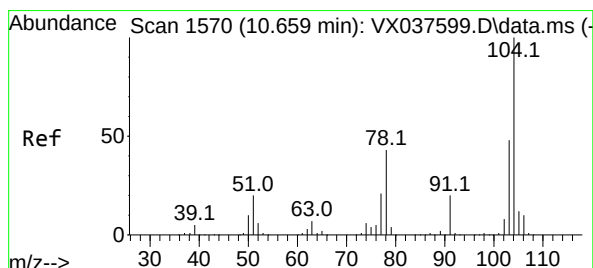
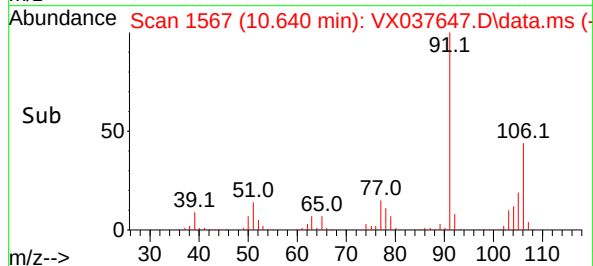
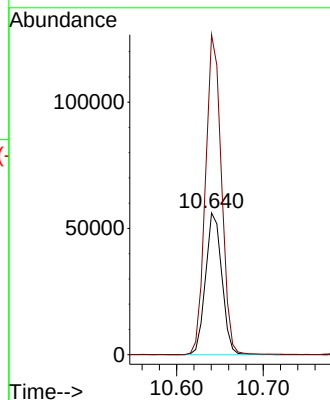
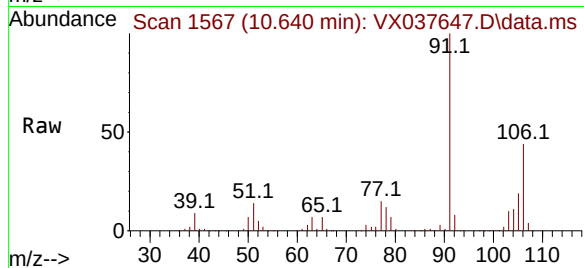
91 221.8 108.9 326.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#70

Styrene

Concen: 20.635 ug/l

RT: 10.659 min Scan# 1570

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

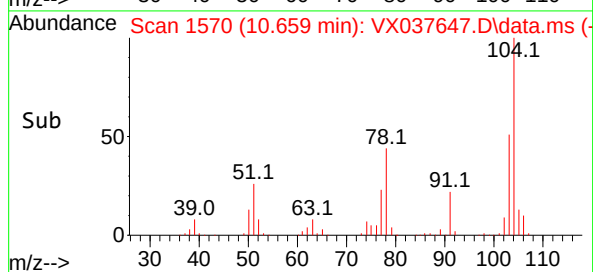
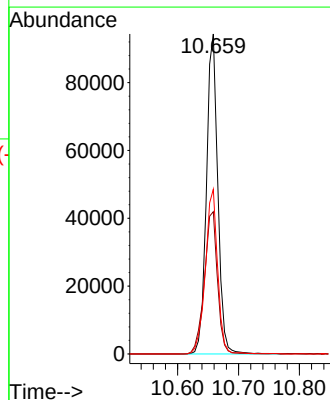
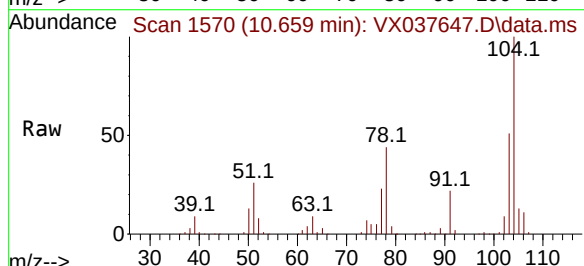
Tgt Ion:104 Resp: 122508

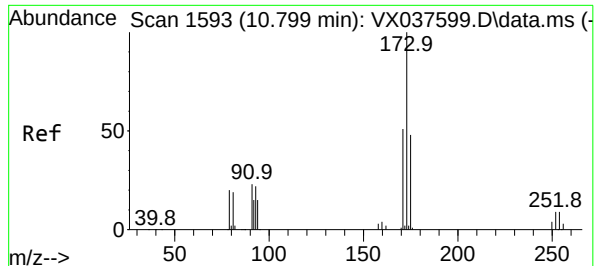
Ion Ratio Lower Upper

104 100

78 51.5 43.6 65.4

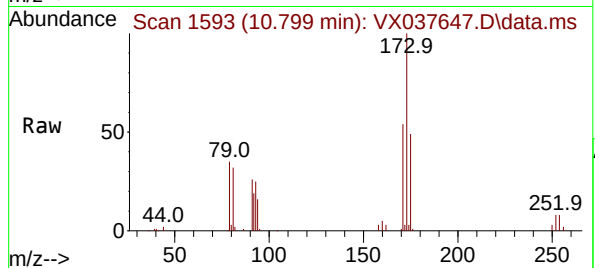
103 55.2 43.6 65.4





#71
Bromoform
Concen: 22.030 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX037647.D
Acq: 11 Sep 2023 17:48

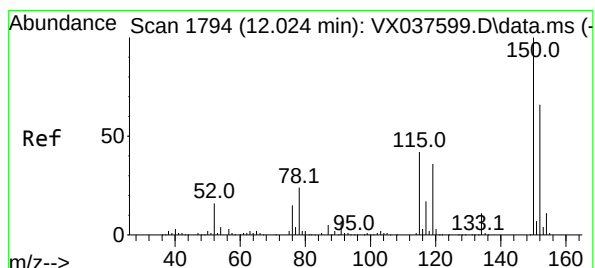
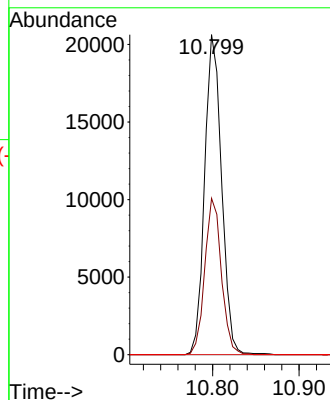
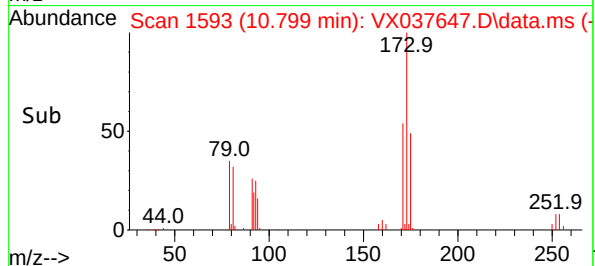
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



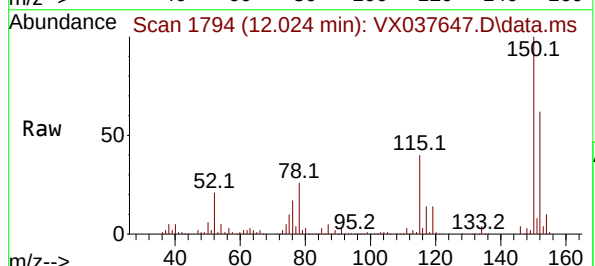
Tgt Ion:173 Resp: 28060
Ion Ratio Lower Upper
173 100
175 47.9 24.1 72.4
254 0.0 0.0 0.0

Manual Integrations
APPROVED

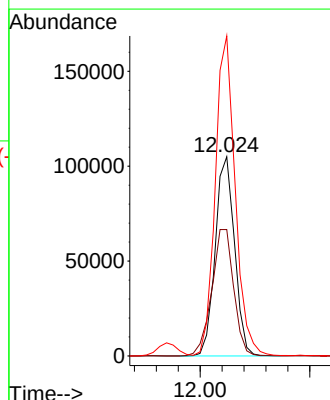
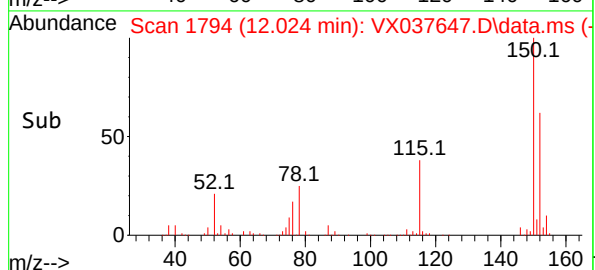
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

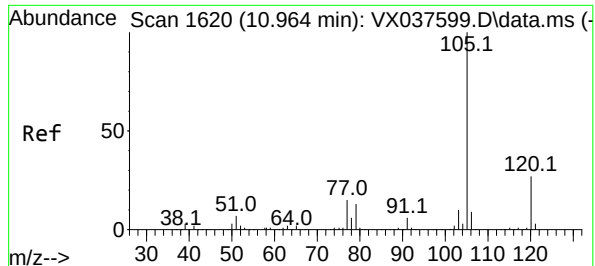


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037647.D
Acq: 11 Sep 2023 17:48



Tgt Ion:152 Resp: 128648
Ion Ratio Lower Upper
152 100
115 72.1 43.3 129.9
150 165.0 0.0 345.0





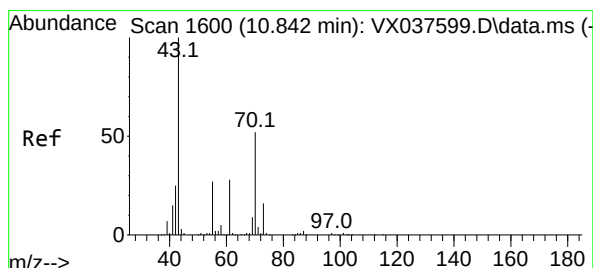
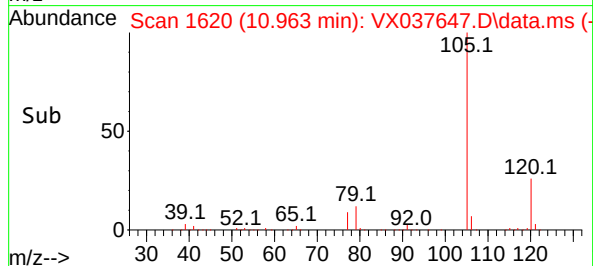
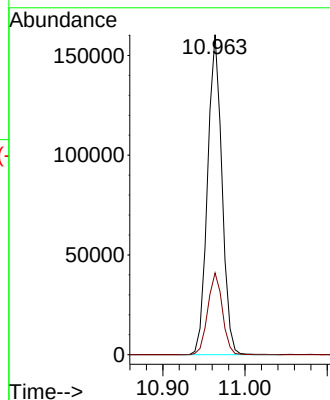
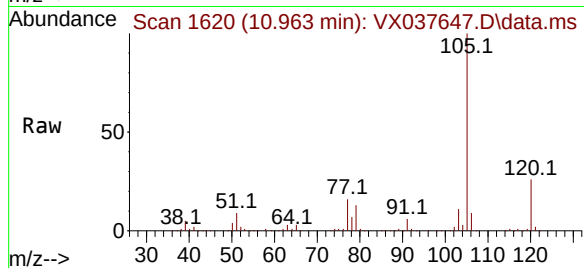
#73
Isopropylbenzene
Concen: 19.350 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX037647.D
Acq: 11 Sep 2023 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 194436
Ion Ratio Lower Upper
105 100
120 25.9 12.9 38.6

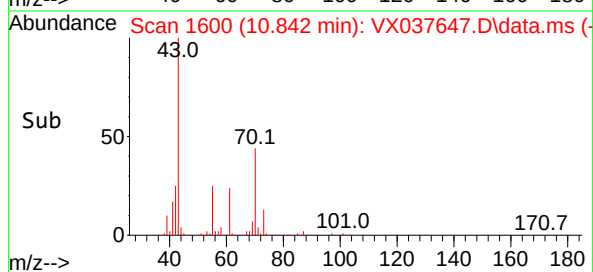
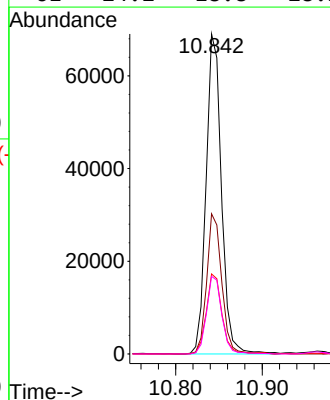
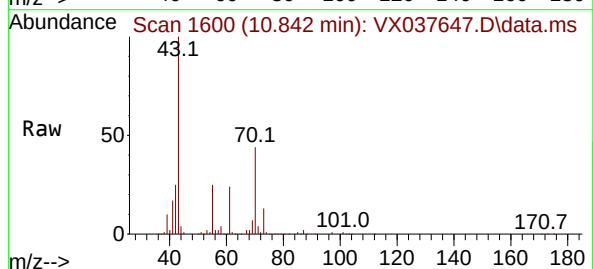
Manual Integrations
APPROVED

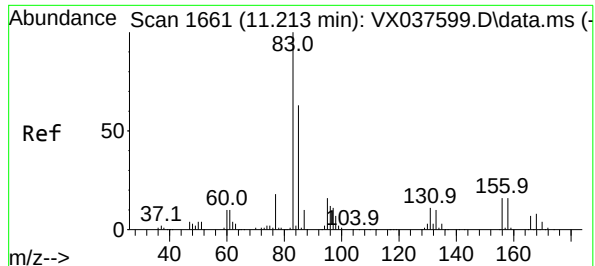
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#74
N-ethyl acetate
Concen: 20.015 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX037647.D
Acq: 11 Sep 2023 17:48

Tgt Ion: 43 Resp: 84958
Ion Ratio Lower Upper
43 100
70 42.9 32.9 49.3
55 25.7 19.3 28.9
61 24.2 18.8 28.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.387 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

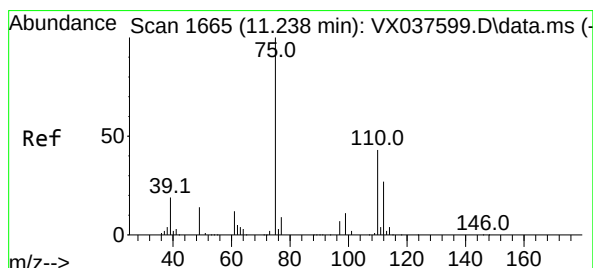
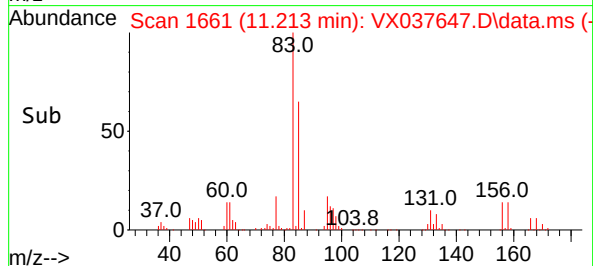
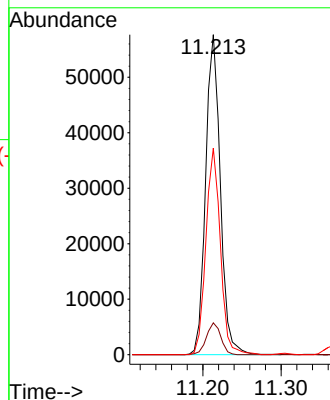
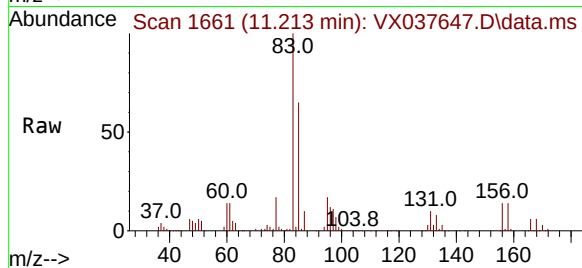
Tgt Ion:	83	Resp:	74919
Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.3	15.8
85	63.5	32.0	96.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#76

1,2,3-Trichloropropane

Concen: 18.613 ug/l m

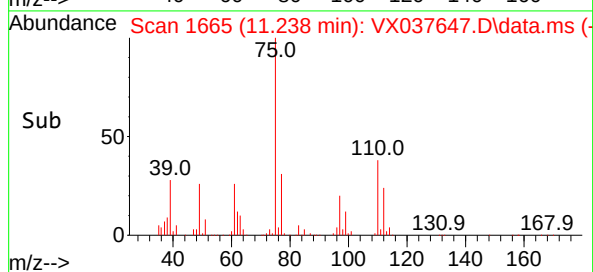
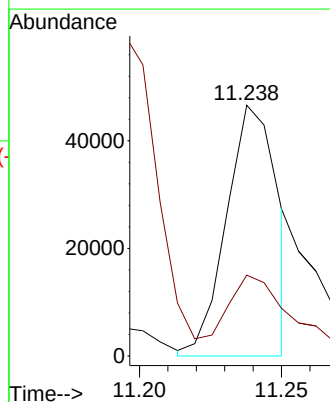
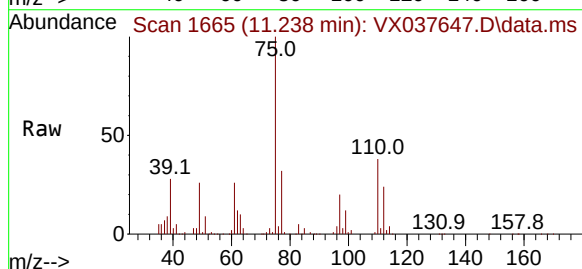
RT: 11.238 min Scan# 1665

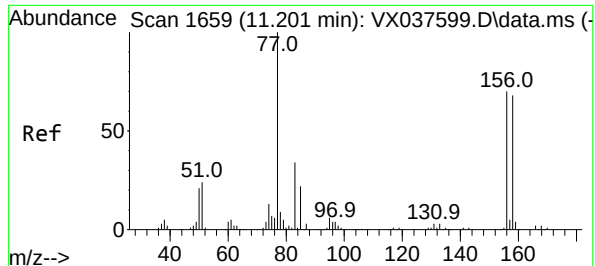
Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Tgt Ion:	75	Resp:	58124
Ion	Ratio	Lower	Upper
75	100		
77	42.2	19.1	57.5





#77

Bromobenzene

Concen: 18.911 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

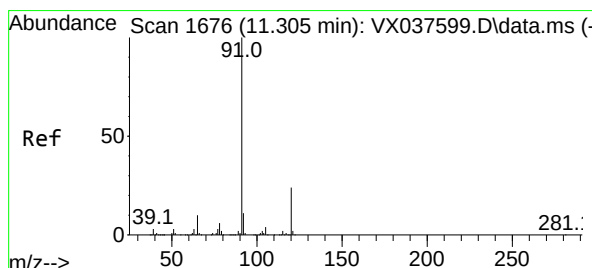
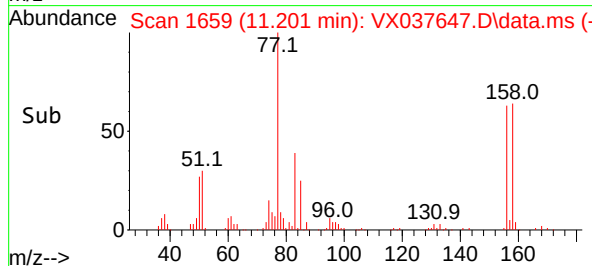
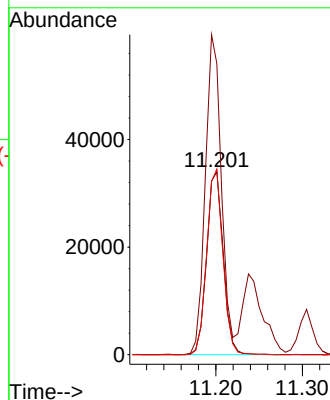
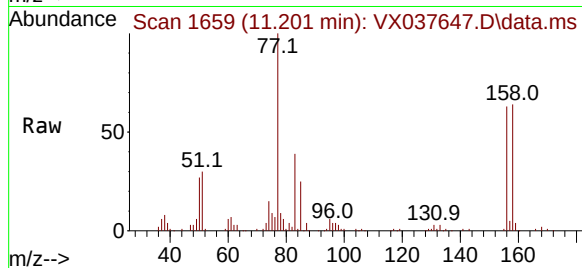
Tgt Ion:	156	Resp:	45162
Ion Ratio	Lower	Upper	
156	100		
77	168.9	88.4	265.3
158	99.1	48.0	144.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#78

n-propylbenzene

Concen: 19.745 ug/l

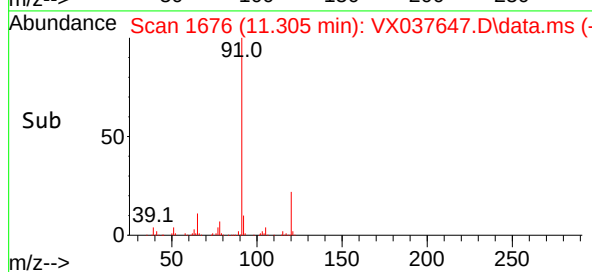
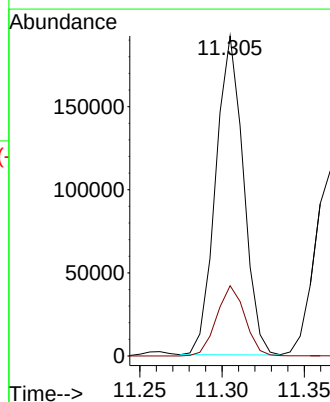
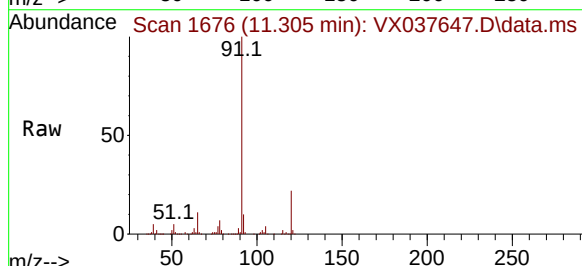
RT: 11.305 min Scan# 1676

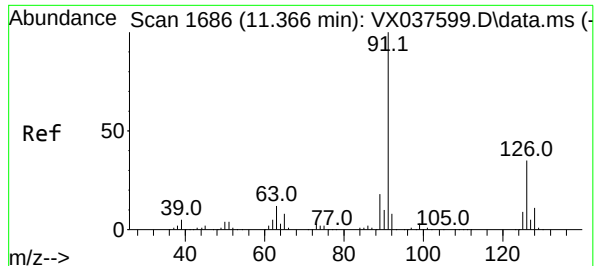
Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Tgt Ion:	91	Resp:	224586
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.5	34.4





#79

2-Chlorotoluene

Concen: 19.003 ug/l

RT: 11.366 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 136744

Ion Ratio Lower Upper

91 100

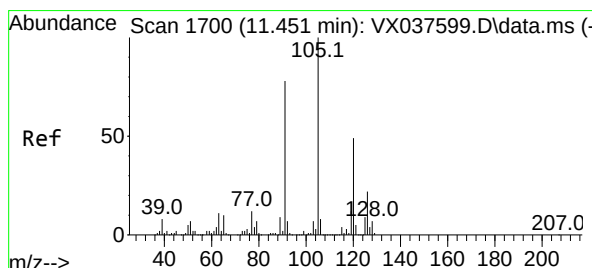
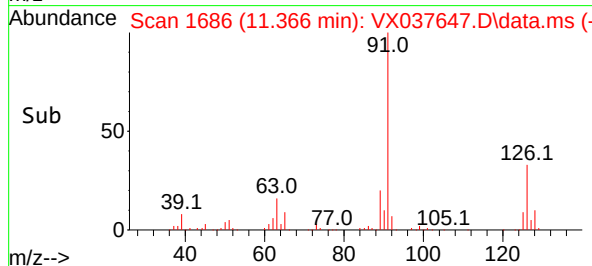
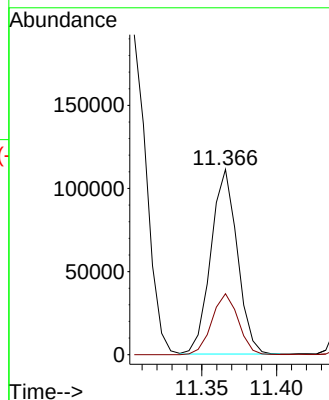
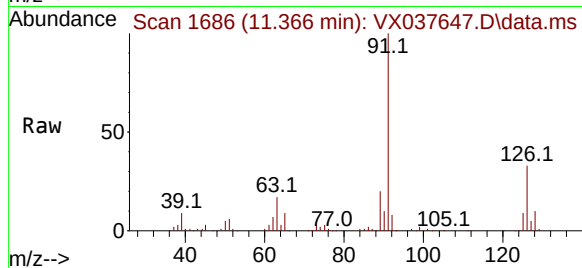
126 32.9 16.3 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#80

1,3,5-Trimethylbenzene

Concen: 19.976 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX037647.D

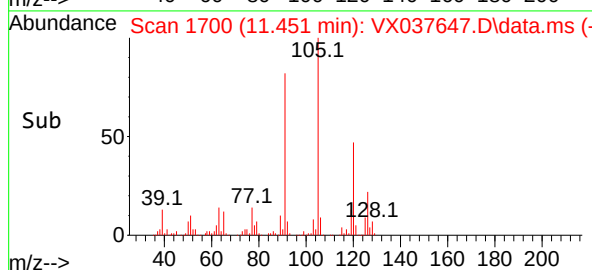
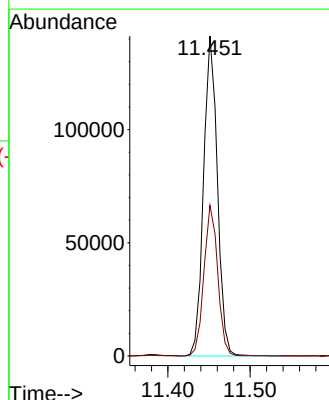
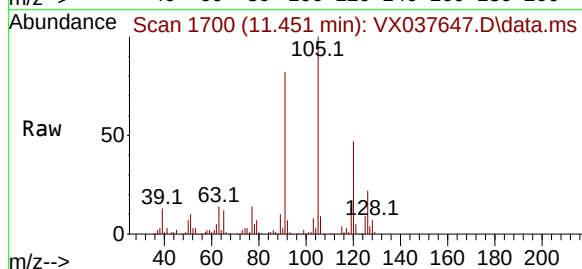
Acq: 11 Sep 2023 17:48

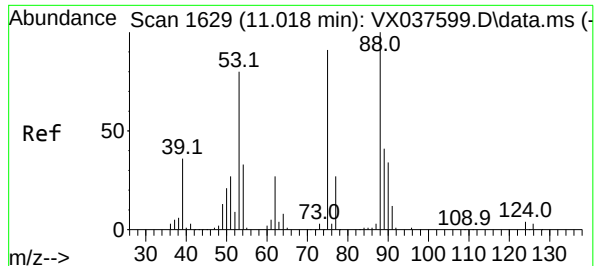
Tgt Ion:105 Resp: 165213

Ion Ratio Lower Upper

105 100

120 47.0 24.1 72.3





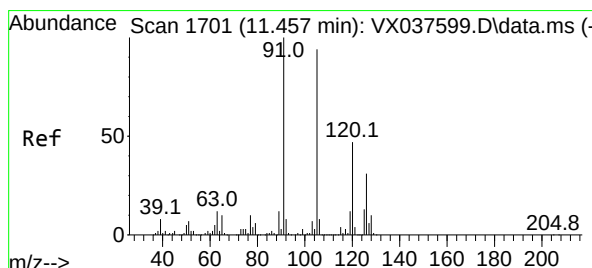
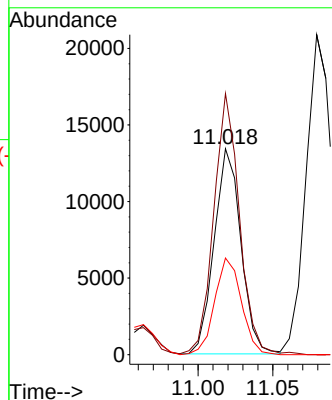
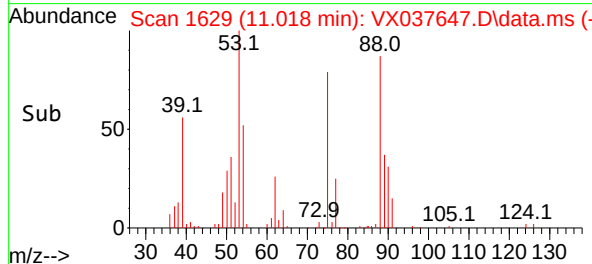
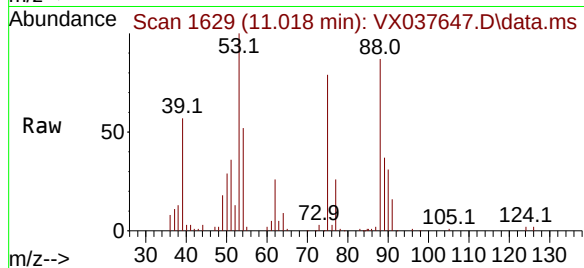
#81
trans-1,4-Dichloro-2-butene
Concen: 21.727 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX037647.D
Acq: 11 Sep 2023 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 16694
Ion Ratio Lower Upper
75 100
53 122.1 90.5 135.7
89 47.0 36.9 55.3

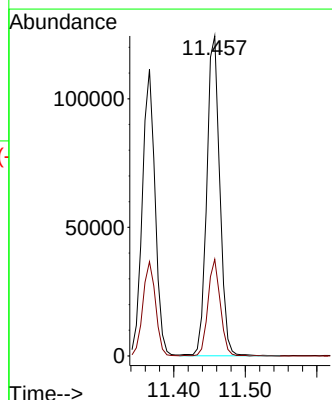
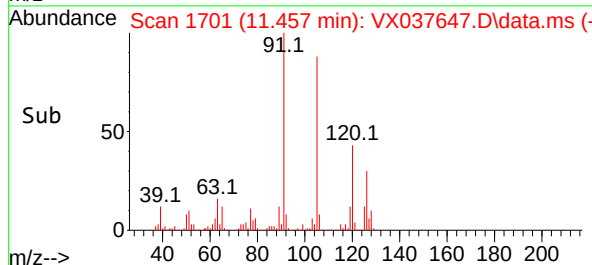
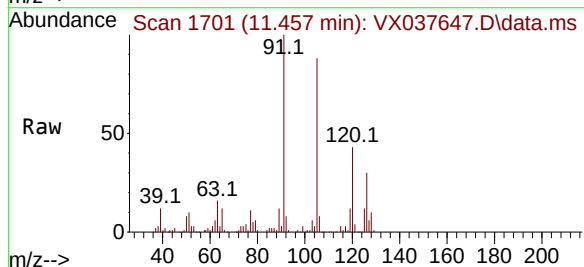
Manual Integrations
APPROVED

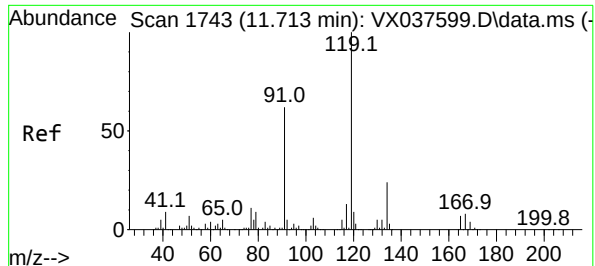
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#82
4-Chlorotoluene
Concen: 19.519 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VX037647.D
Acq: 11 Sep 2023 17:48

Tgt Ion: 91 Resp: 156801
Ion Ratio Lower Upper
91 100
126 28.8 14.2 42.6





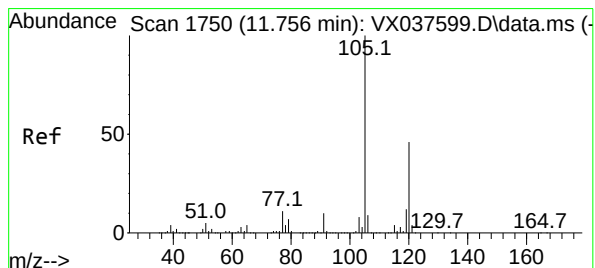
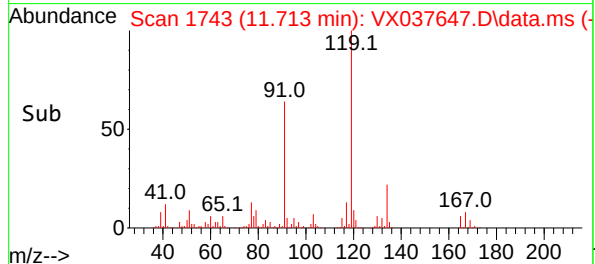
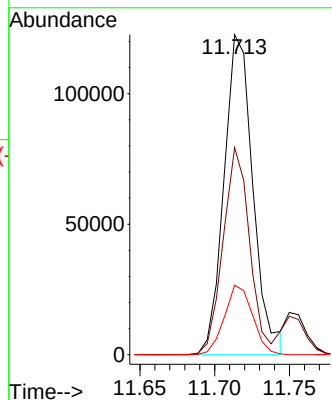
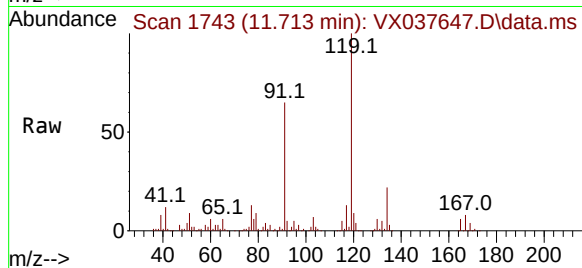
#83
tert-Butylbenzene
Concen: 20.184 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX037647.D
Acq: 11 Sep 2023 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 165129
Ion Ratio Lower Upper
119 100
91 59.4 31.2 93.6
134 21.2 11.7 35.0

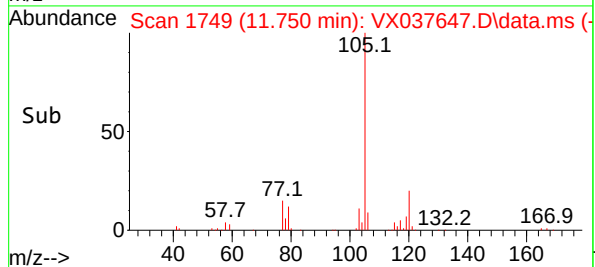
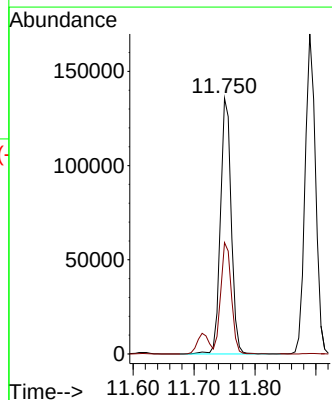
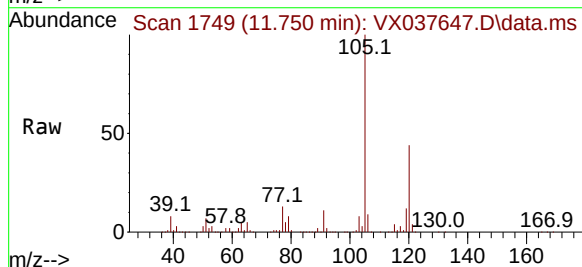
Manual Integrations
APPROVED

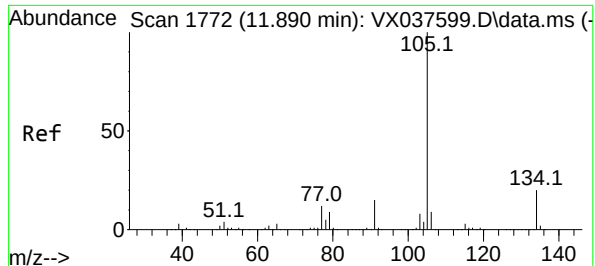
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#84
1,2,4-Trimethylbenzene
Concen: 20.007 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VX037647.D
Acq: 11 Sep 2023 17:48

Tgt Ion:105 Resp: 166374
Ion Ratio Lower Upper
105 100
120 42.9 21.2 63.6





#85

sec-Butylbenzene

Concen: 19.903 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:105 Resp: 20260

Ion Ratio Lower Upper

105 100

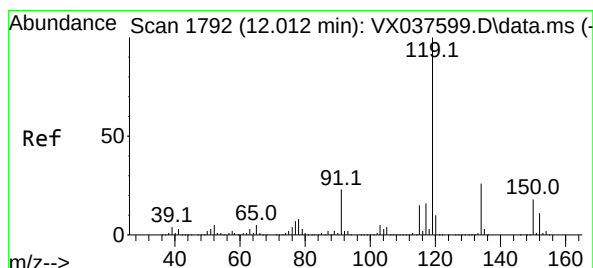
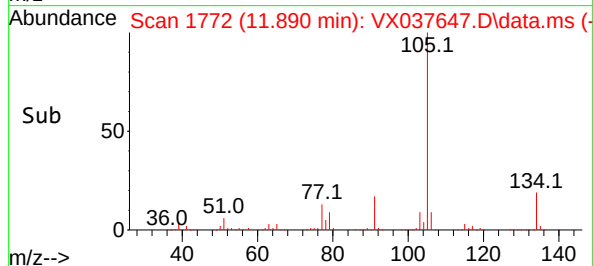
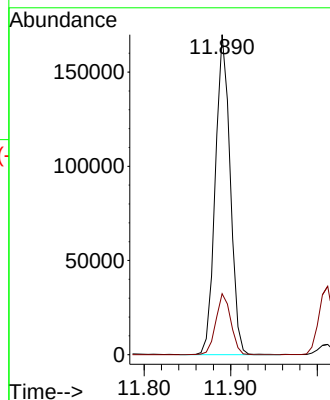
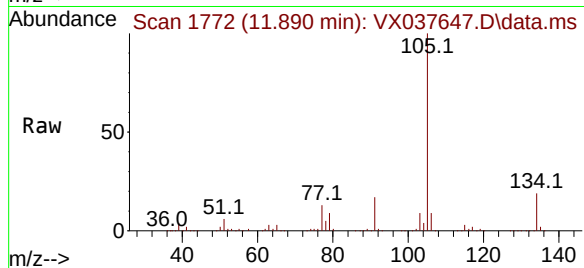
134 19.2 9.8 29.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#86

p-Isopropyltoluene

Concen: 20.179 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

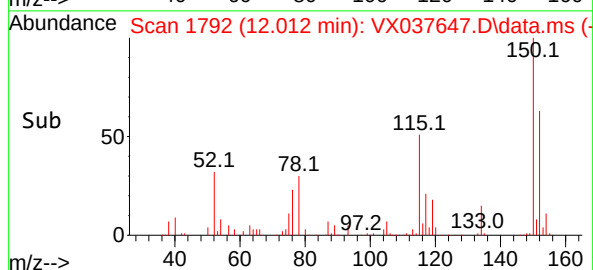
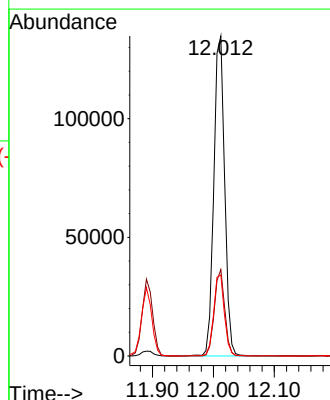
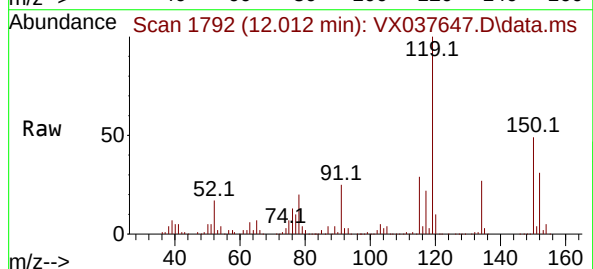
Tgt Ion:119 Resp: 166010

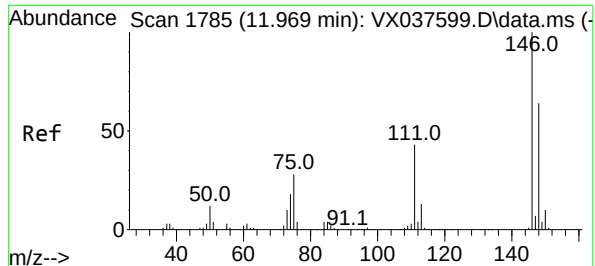
Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.3

91 25.2 13.1 39.3





#87

1,3-Dichlorobenzene

Concen: 18.622 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:146 Resp: 84790

Ion Ratio Lower Upper

146 100

111 41.5 22.1 66.1

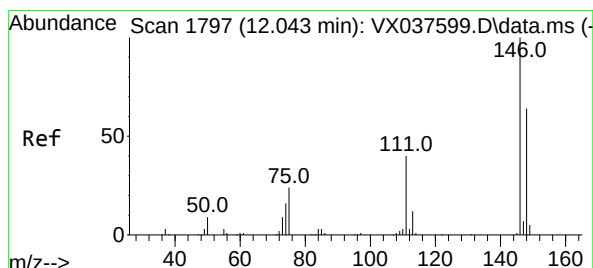
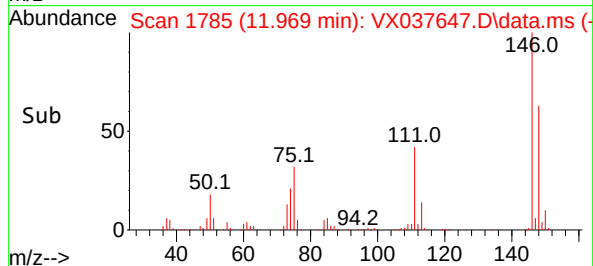
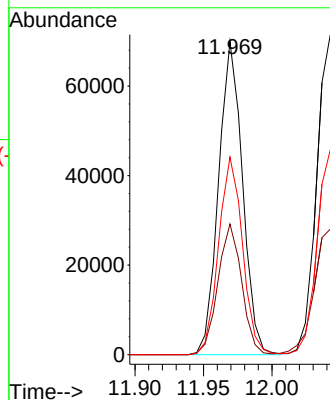
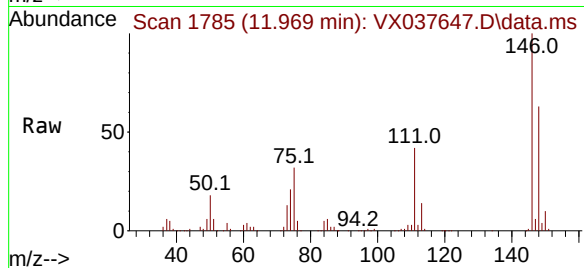
148 63.2 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#88

1,4-Dichlorobenzene

Concen: 18.784 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

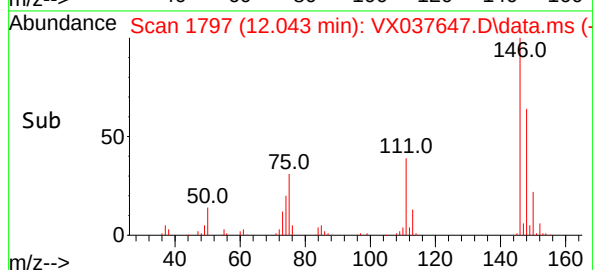
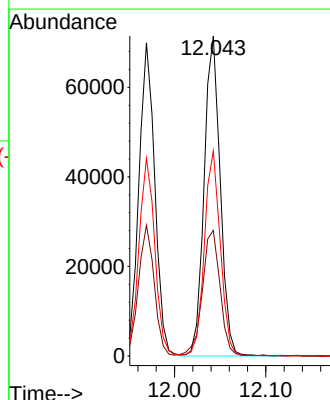
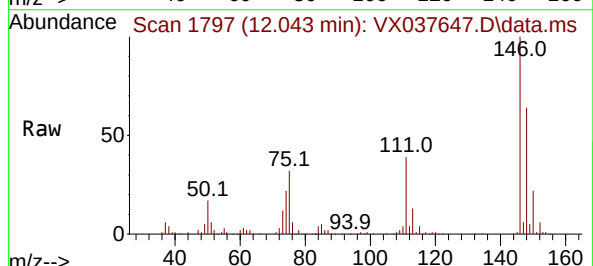
Tgt Ion:146 Resp: 87254

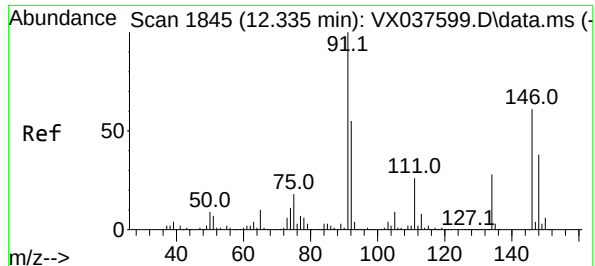
Ion Ratio Lower Upper

146 100

111 43.4 21.3 63.7

148 63.2 31.8 95.4





#89

n-Butylbenzene

Concen: 20.788 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 149450

Ion Ratio Lower Upper

91 100

92 50.8 27.4 82.0

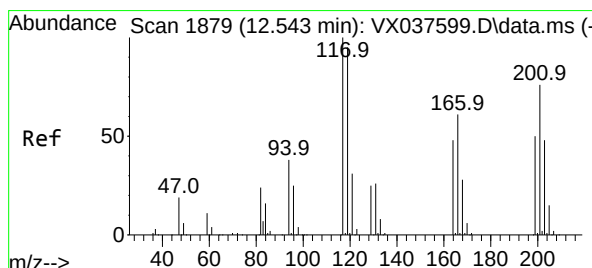
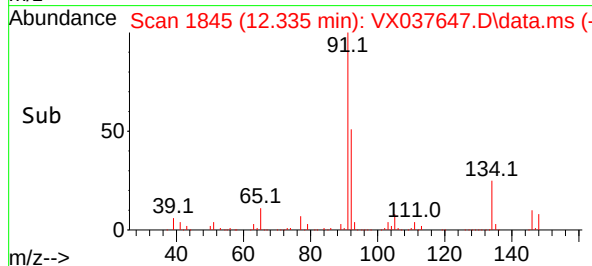
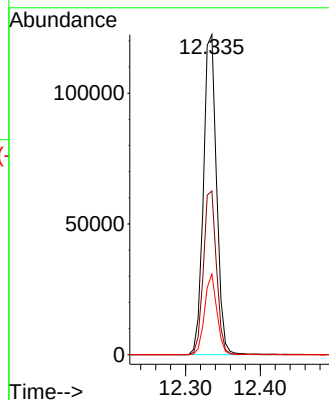
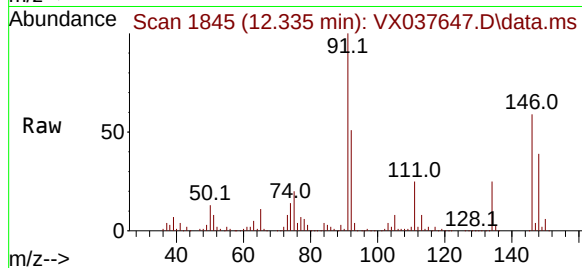
134 23.7 12.6 37.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#90

Hexachloroethane

Concen: 21.028 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.006 min

Lab File: VX037647.D

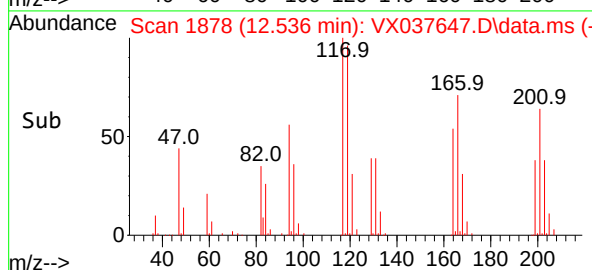
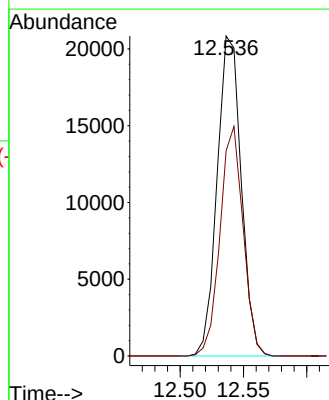
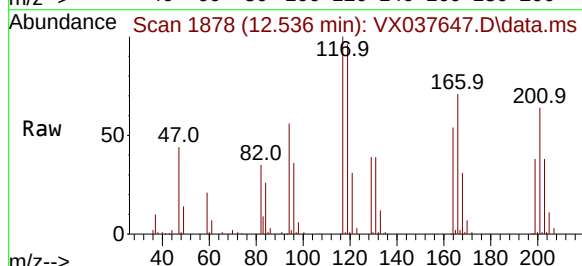
Acq: 11 Sep 2023 17:48

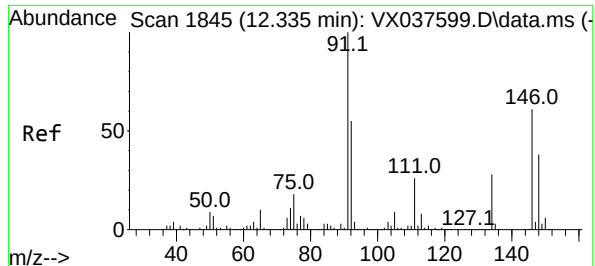
Tgt Ion:117 Resp: 27549

Ion Ratio Lower Upper

117 100

201 68.8 32.9 98.6





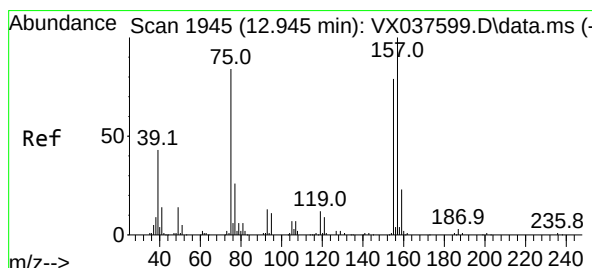
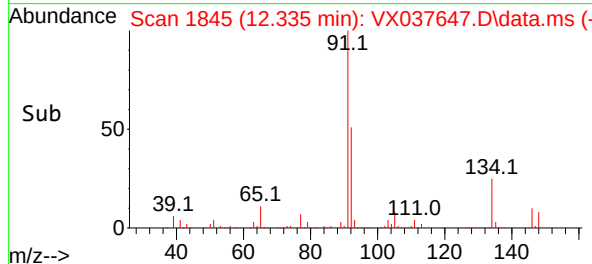
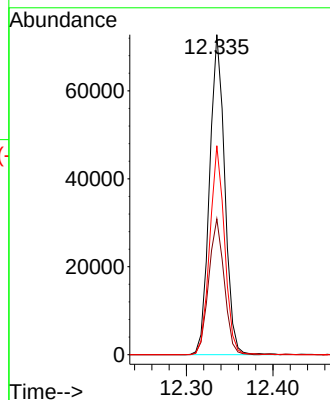
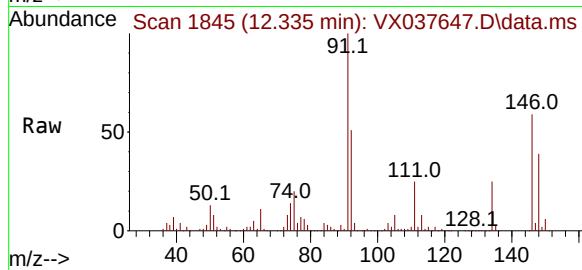
#91
1,2-Dichlorobenzene
Concen: 19.095 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX037647.D
Acq: 11 Sep 2023 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 8848
Ion Ratio Lower Upper
146 100
111 43.2 22.4 67.0
148 63.7 31.6 95.0

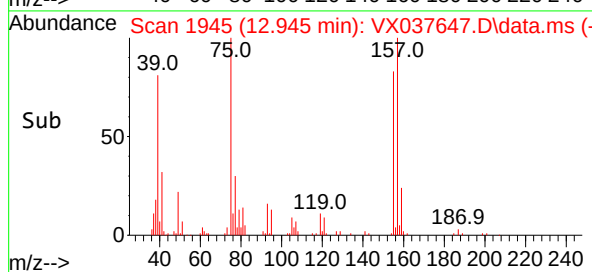
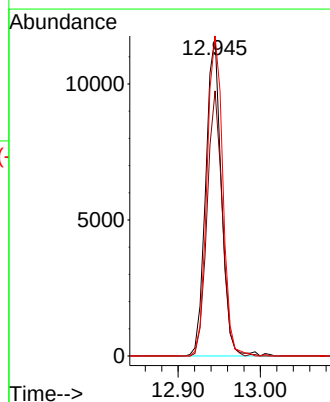
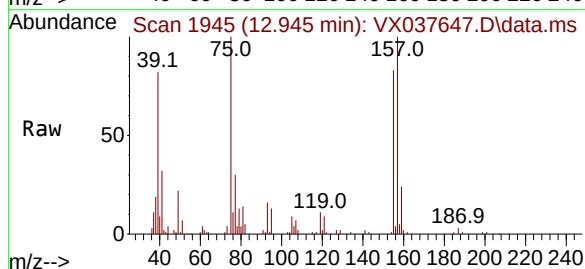
Manual Integrations
APPROVED

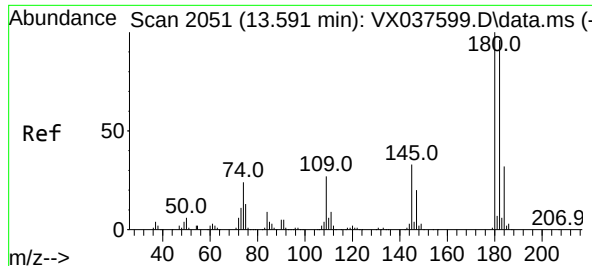
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.522 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX037647.D
Acq: 11 Sep 2023 17:48

Tgt Ion: 75 Resp: 15443
Ion Ratio Lower Upper
75 100
155 80.5 36.1 108.5
157 101.6 44.9 134.7





#93

1,2,4-Trichlorobenzene

Concen: 19.811 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.006 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

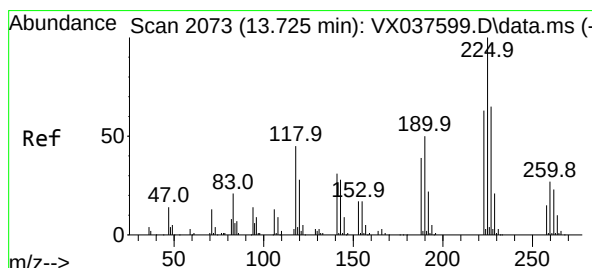
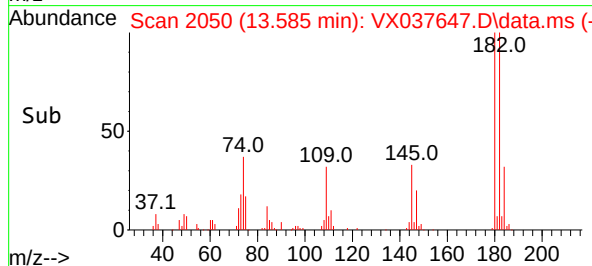
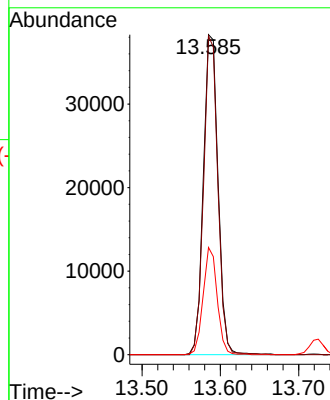
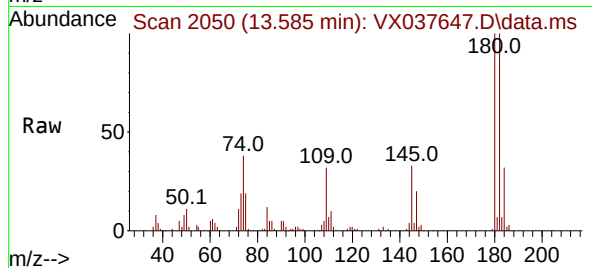
Tgt Ion:	180	Resp:	4984
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.3	144.8
145	32.1	18.0	54.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#94

Hexachlorobutadiene

Concen: 19.404 ug/l

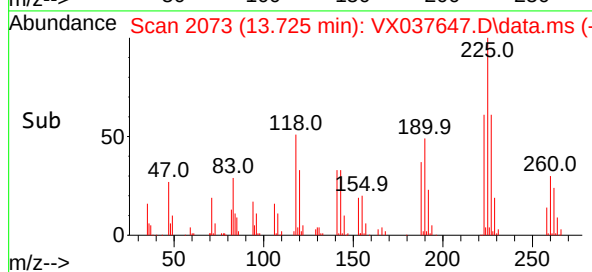
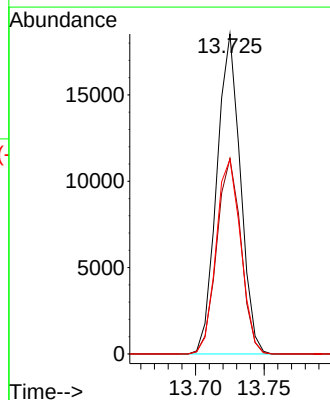
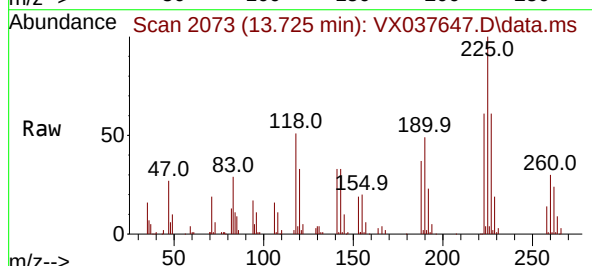
RT: 13.725 min Scan# 2073

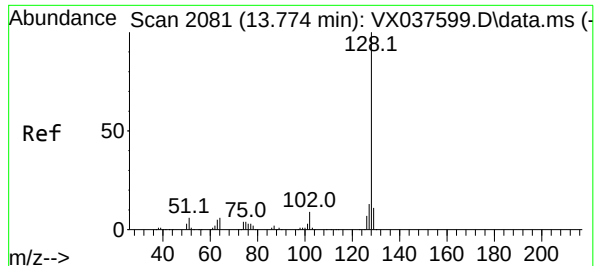
Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Tgt Ion:	225	Resp:	22129
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.1	93.2
227	63.6	32.5	97.5





#95

Naphthalene

Concen: 20.735 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Instrument :

MSVOA_X

ClientSampleId :

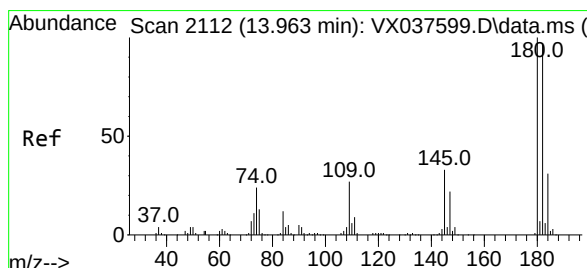
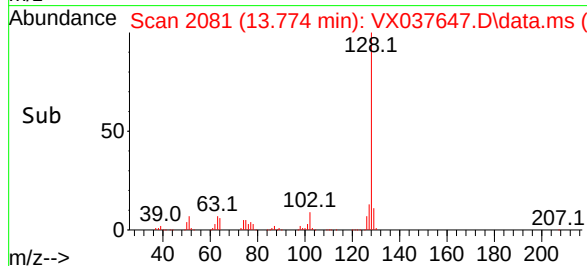
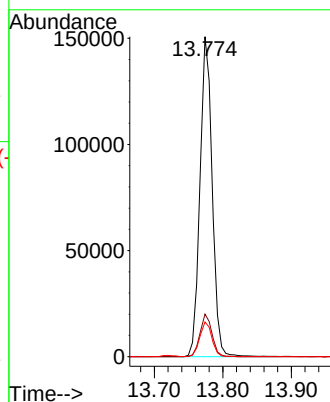
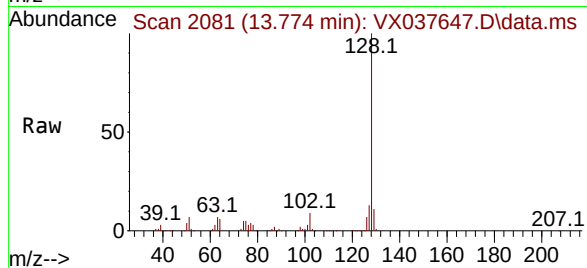
VSTDIC020

Tgt Ion:128	Resp: 187328
Ion Ratio	Lower Upper
128 100	
127 13.0	10.3 15.5
129 10.8	8.8 13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#96

1,2,3-Trichlorobenzene

Concen: 19.073 ug/l

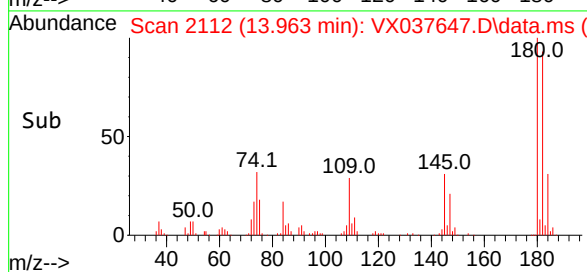
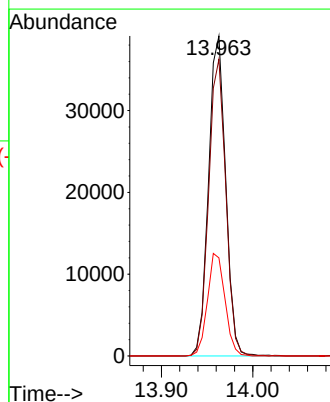
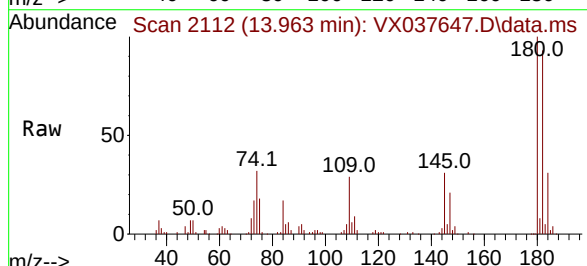
RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX037647.D

Acq: 11 Sep 2023 17:48

Tgt Ion:180	Resp: 50694
Ion Ratio	Lower Upper
180 100	
182 93.0	46.9 140.6
145 32.9	17.8 53.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091123\
 Data File : VX037648.D
 Acq On : 11 Sep 2023 18:13
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Sep 12 08:52:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 08:46:29 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/12/2023
 Supervised By : Mahesh Dadoda 09/12/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	160688	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	284909	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	278027	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	147667	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	127918	49.203	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.400%		
35) Dibromofluoromethane	5.385	113	100127	49.581	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.160%		
50) Toluene-d8	8.653	98	383734	50.383	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.760%		
62) 4-Bromofluorobenzene	11.079	95	143668	52.286	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.580%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	88059	51.255	ug/l	99
3) Chloromethane	1.300	50	97003	48.140	ug/l	98
4) Vinyl Chloride	1.374	62	110154	49.672	ug/l	99
5) Bromomethane	1.599	94	95755	50.859	ug/l	99
6) Chloroethane	1.678	64	71815	47.506	ug/l	96
7) Trichlorofluoromethane	1.880	101	193310	52.159	ug/l	99
8) Diethyl Ether	2.136	74	75363	49.584	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.325	101	82291	49.467	ug/l	98
10) Methyl Iodide	2.447	142	101435	51.295	ug/l	95
11) Tert butyl alcohol	2.965	59	137436	255.623	ug/l #	92
12) 1,1-Dichloroethene	2.318	96	79462	48.623	ug/l	90
13) Acrolein	2.239	56	107126	253.046	ug/l	98
14) Allyl chloride	2.660	41	143030	49.183	ug/l	95
15) Acrylonitrile	3.062	53	300487	245.762	ug/l	99
16) Acetone	2.379	43	253355	235.739	ug/l	90
17) Carbon Disulfide	2.507	76	198993	47.235	ug/l	99
18) Methyl Acetate	2.703	43	219950	48.831	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	326081	49.427	ug/l	100
20) Methylene Chloride	2.788	84	103164	50.761	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	93569	48.282	ug/l	97
22) Diisopropyl ether	3.763	45	316342	49.838	ug/l	88
23) Vinyl Acetate	3.721	43	1205659	258.894	ug/l	97
24) 1,1-Dichloroethane	3.611	63	181052	48.756	ug/l	99
25) 2-Butanone	4.556	43	423866	245.641	ug/l	94
26) 2,2-Dichloropropane	4.477	77	131812	51.264	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	114126	49.246	ug/l	93
28) Bromochloromethane	4.903	49	92802	49.285	ug/l	92
29) Tetrahydrofuran	5.007	42	272526	245.562	ug/l	91
30) Chloroform	5.092	83	199406	49.528	ug/l	97
31) Cyclohexane	5.470	56	151253	50.523	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	169359	50.081	ug/l	99
36) 1,1-Dichloropropene	5.696	75	136572	49.040	ug/l	99
37) Ethyl Acetate	4.714	43	165375	51.412	ug/l	98
38) Carbon Tetrachloride	5.678	117	142200	51.126	ug/l	99
39) Methylcyclohexane	7.379	83	164964	50.362	ug/l	93
40) Benzene	6.037	78	420664	49.677	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091123\
 Data File : VX037648.D
 Acq On : 11 Sep 2023 18:13
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Sep 12 08:52:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 08:46:29 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 09/12/2023
 Supervised By :Mahesh Dadoda 09/12/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	87559	51.314	ug/l	93
42) 1,2-Dichloroethane	6.086	62	163937	49.960	ug/l	99
43) Isopropyl Acetate	6.342	43	261819	51.569	ug/l	97
44) Trichloroethene	7.129	130	102289	49.493	ug/l	99
45) 1,2-Dichloropropane	7.433	63	112013	50.412	ug/l	99
46) Dibromomethane	7.580	93	80083	49.401	ug/l	98
47) Bromodichloromethane	7.824	83	151093	52.003	ug/l	96
48) Methyl methacrylate	7.696	41	126730	51.109	ug/l	88
49) 1,4-Dioxane	7.659	88	62938	1019.054	ug/l #	91
51) 4-Methyl-2-Pentanone	8.573	43	878745	262.508	ug/l	97
52) Toluene	8.720	92	272447	50.847	ug/l	95
53) t-1,3-Dichloropropene	8.982	75	159522	54.424	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	171068	53.413	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	117531	51.012	ug/l	95
56) Ethyl methacrylate	9.116	69	182911	52.827	ug/l	94
57) 1,3-Dichloropropane	9.311	76	191781	50.002	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	415989	248.923	ug/l	98
59) 2-Hexanone	9.433	43	695736	270.963	ug/l	95
60) Dibromochloromethane	9.525	129	118580	53.024	ug/l	100
61) 1,2-Dibromoethane	9.610	107	125783	51.773	ug/l	99
64) Tetrachloroethene	9.275	164	85926	48.246	ug/l	99
65) Chlorobenzene	10.079	112	295508	49.303	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	105832	50.595	ug/l	97
67) Ethyl Benzene	10.195	91	537771	50.454	ug/l	99
68) m/p-Xylenes	10.305	106	414993	102.182	ug/l	99
69) o-Xylene	10.640	106	204758	50.844	ug/l	99
70) Styrene	10.658	104	347810	52.349	ug/l	97
71) Bromoform	10.799	173	87391	54.654	ug/l #	100
73) Isopropylbenzene	10.963	105	538168	48.428	ug/l	99
74) N-amyl acetate	10.841	43	248991	50.969	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	204967	48.647	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	160365m	48.916	ug/l	
77) Bromobenzene	11.201	156	128634	48.232	ug/l	93
78) n-propylbenzene	11.305	91	638099	49.751	ug/l	99
79) 2-Chlorotoluene	11.366	91	383212	48.584	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	467167	49.765	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	56323	52.737	ug/l	94
82) 4-Chlorotoluene	11.457	91	439232	48.927	ug/l	97
83) tert-Butylbenzene	11.713	119	470881	50.307	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	474251	50.300	ug/l	98
85) sec-Butylbenzene	11.890	105	584740	50.402	ug/l	100
86) p-Isopropyltoluene	12.012	119	486143	50.886	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	247264	48.797	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	250169	48.244	ug/l	99
89) n-Butylbenzene	12.335	91	442369	51.726	ug/l	97
90) Hexachloroethane	12.536	117	83595	51.756	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	252080	48.921	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	44206	49.955	ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	147335	49.228	ug/l	96
94) Hexachlorobutadiene	13.725	225	63379	48.861	ug/l	98
95) Naphthalene	13.774	128	555497	51.274	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	149027	48.286	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091123\
Data File : VX037648.D
Acq On : 11 Sep 2023 18:13
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

Quant Time: Sep 12 08:52:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 08:46:29 2023
Response via : Initial Calibration

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

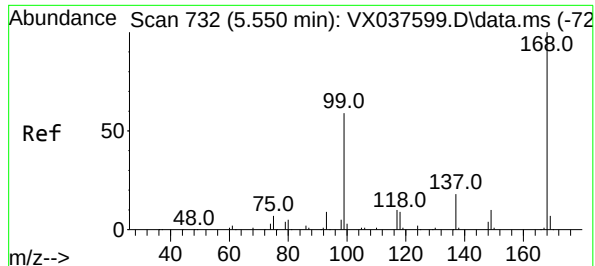
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations

Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023





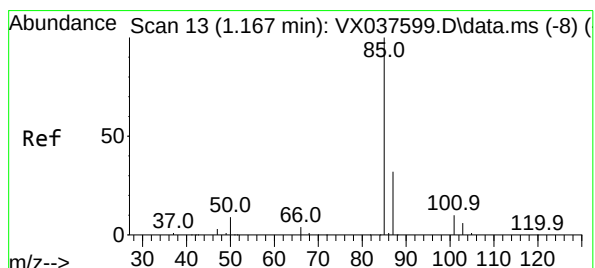
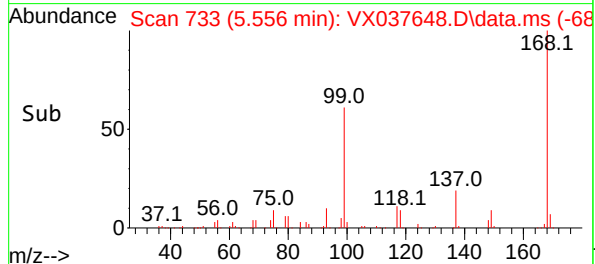
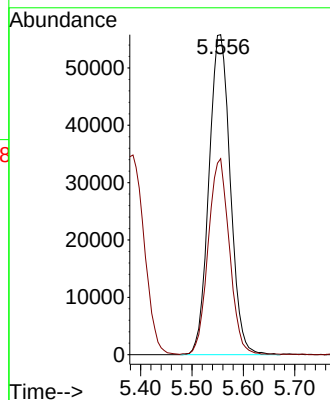
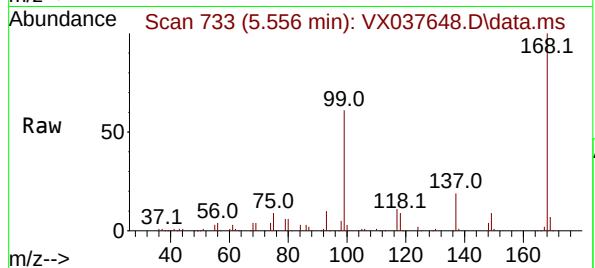
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037648.D
Acq: 11 Sep 2023 18:13

Instrument :
MSVOA_X
Client Sample Id :
VSTDICCC050

Tgt Ion:168 Resp: 16068
Ion Ratio Lower Upper
168 100
99 61.1 56.6 85.0

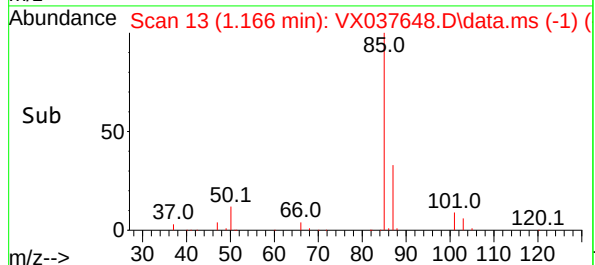
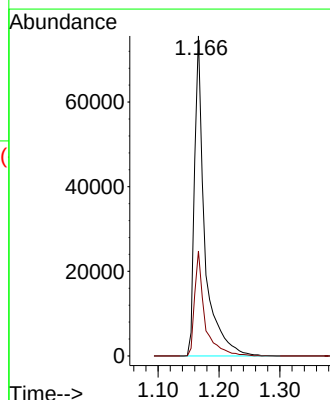
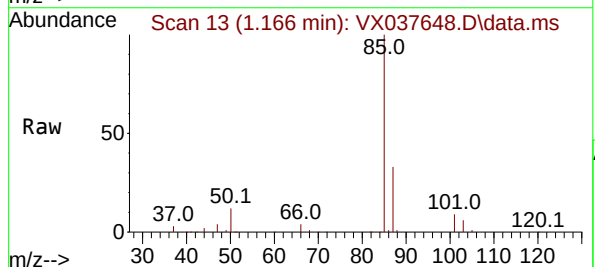
Manual Integrations
APPROVED

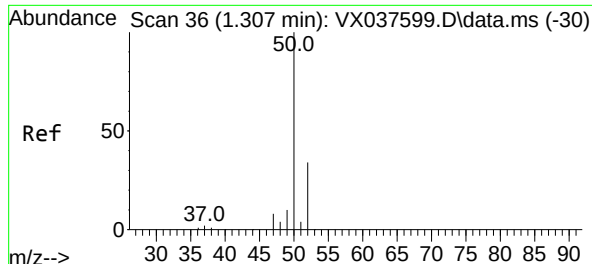
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#2
Dichlorodifluoromethane
Concen: 51.255 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX037648.D
Acq: 11 Sep 2023 18:13

Tgt Ion: 85 Resp: 88059
Ion Ratio Lower Upper
85 100
87 32.8 16.7 50.1





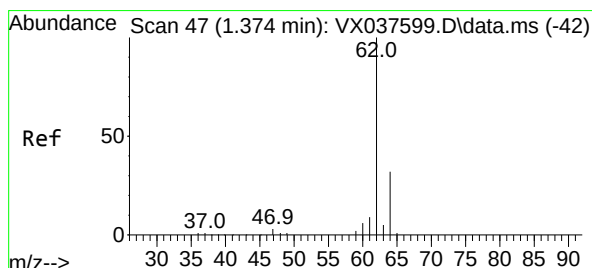
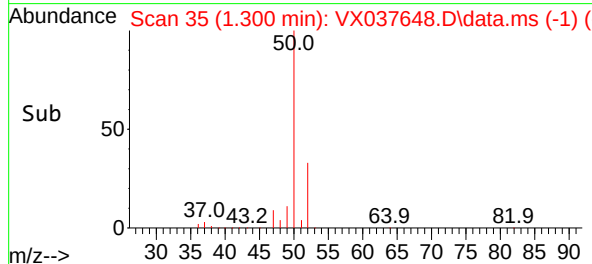
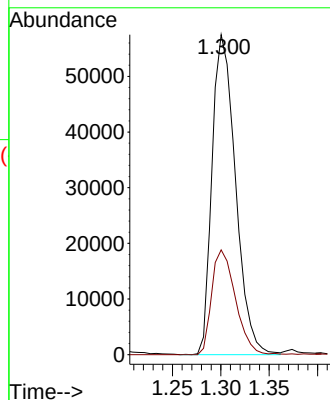
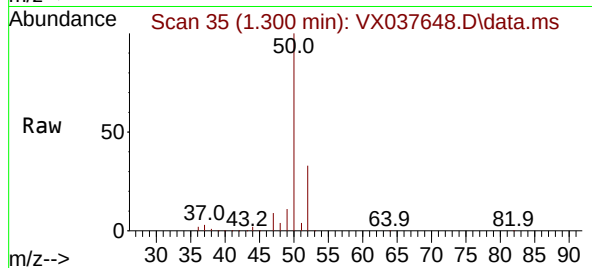
#3
Chloromethane
Concen: 48.140 ug/l
RT: 1.300 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX037648.D
Acq: 11 Sep 2023 18:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 9700
Ion Ratio Lower Upper
50 100
52 32.7 25.5 38.3

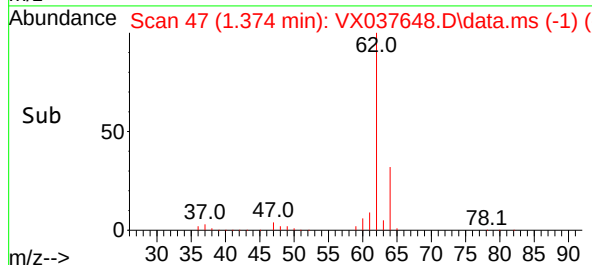
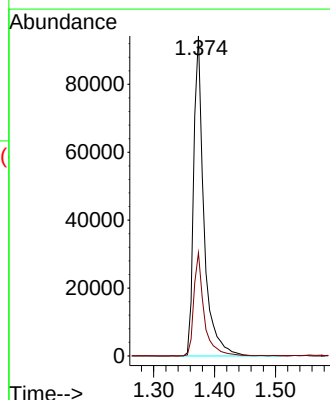
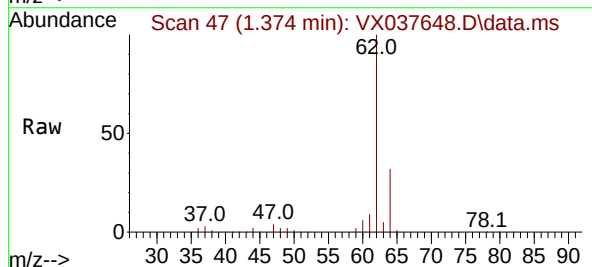
Manual Integrations
APPROVED

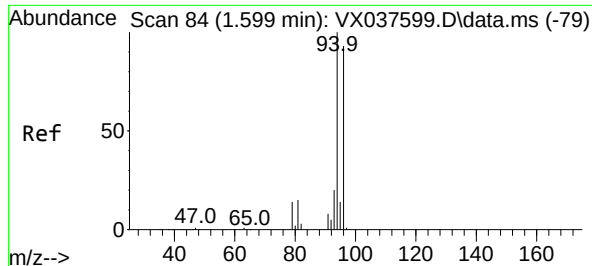
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#4
Vinyl Chloride
Concen: 49.672 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX037648.D
Acq: 11 Sep 2023 18:13

Tgt Ion: 62 Resp: 110154
Ion Ratio Lower Upper
62 100
64 32.2 25.4 38.0





#5

Bromomethane

Concen: 50.859 ug/l

RT: 1.599 min Scan# 84

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 94 Resp: 9575

Ion Ratio Lower Upper

94 100

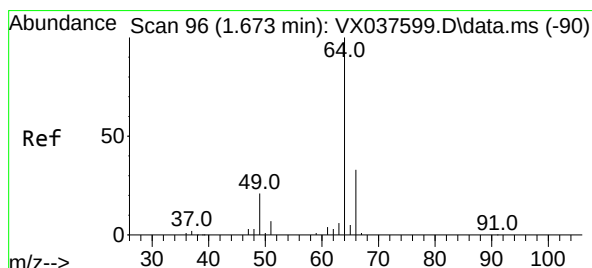
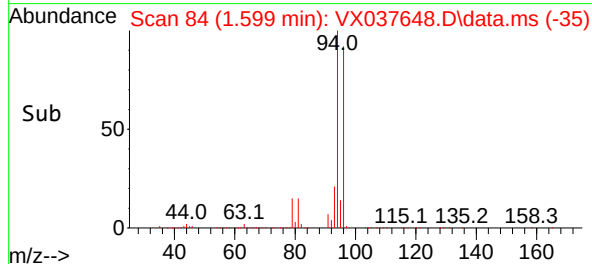
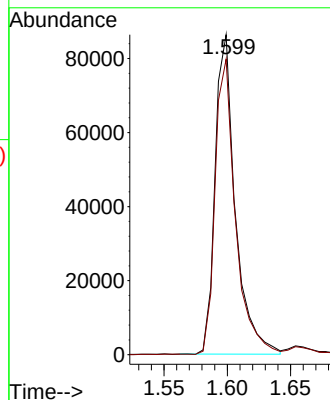
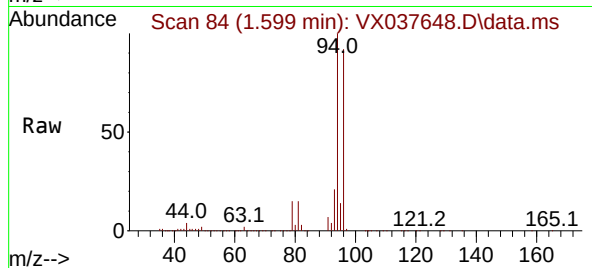
96 92.4 74.6 111.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#6

Chloroethane

Concen: 47.506 ug/l

RT: 1.678 min Scan# 97

Delta R.T. 0.005 min

Lab File: VX037648.D

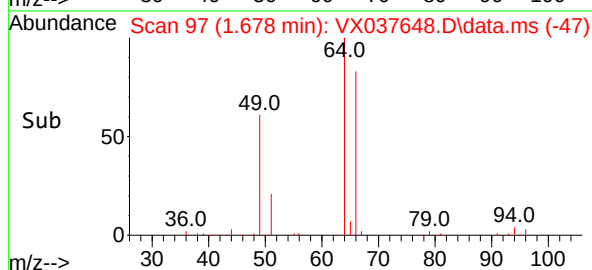
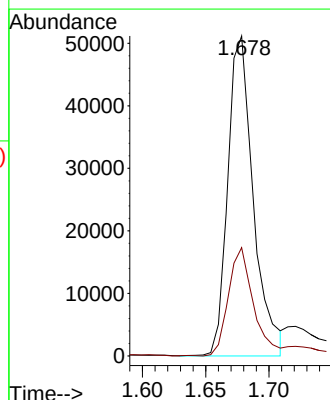
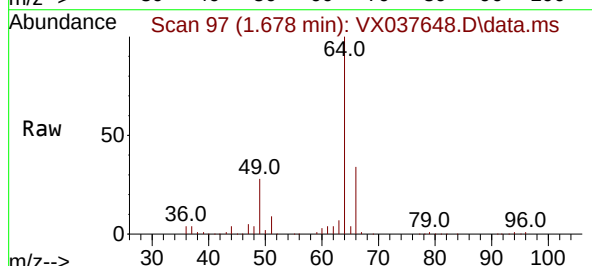
Acq: 11 Sep 2023 18:13

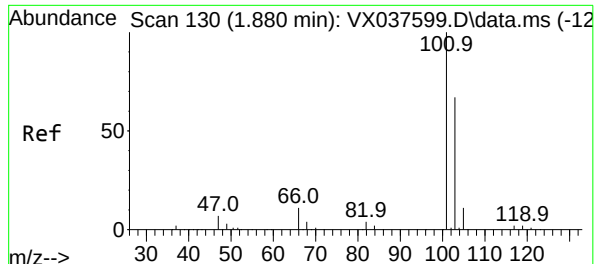
Tgt Ion: 64 Resp: 71815

Ion Ratio Lower Upper

64 100

66 33.7 25.1 37.7





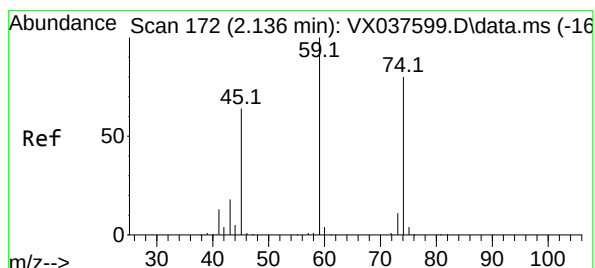
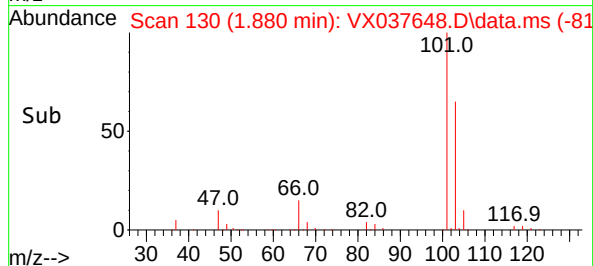
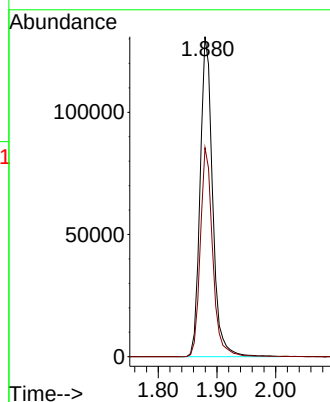
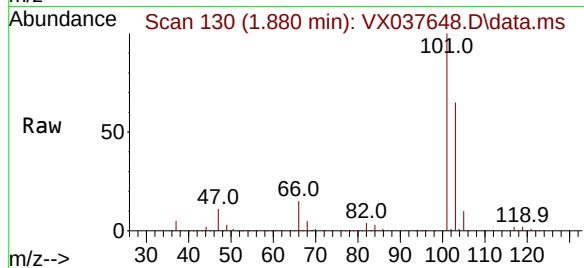
#7
Trichlorofluoromethane
Concen: 52.159 ug/l
RT: 1.880 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037648.D
Acq: 11 Sep 2023 18:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 193310
Ion Ratio Lower Upper
101 100
103 65.3 51.4 77.2

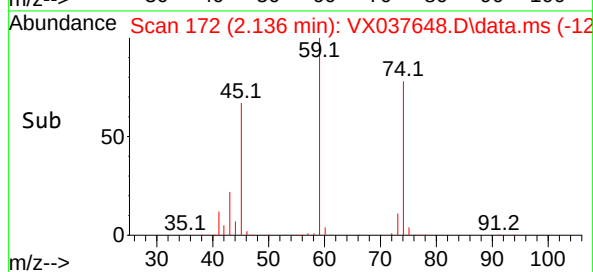
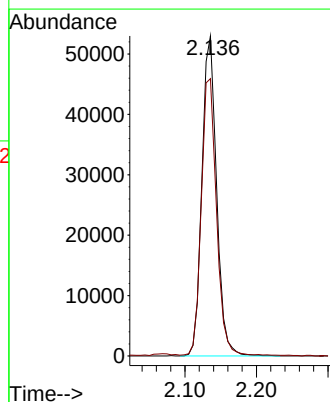
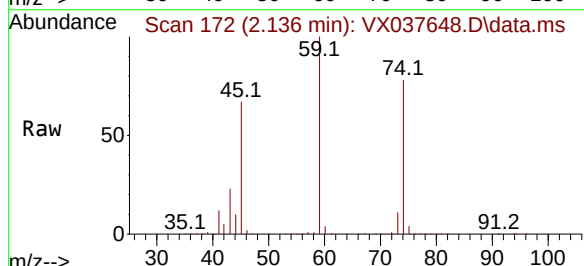
Manual Integrations
APPROVED

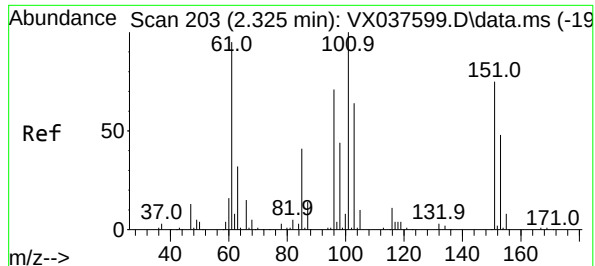
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#8
Diethyl Ether
Concen: 49.584 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX037648.D
Acq: 11 Sep 2023 18:13

Tgt Ion: 74 Resp: 75363
Ion Ratio Lower Upper
74 100
45 89.1 53.3 159.8





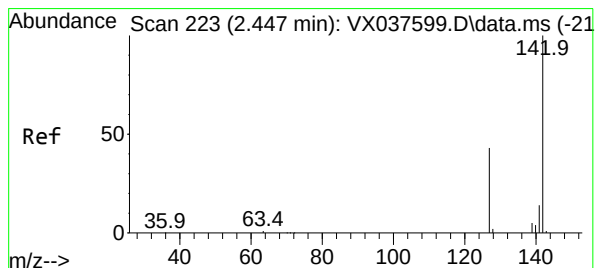
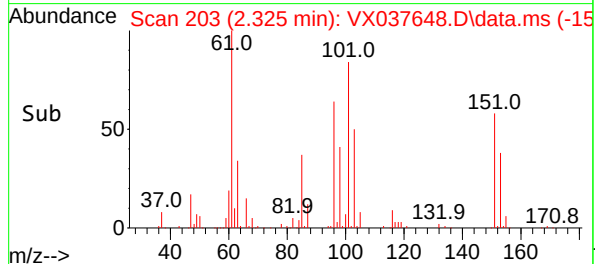
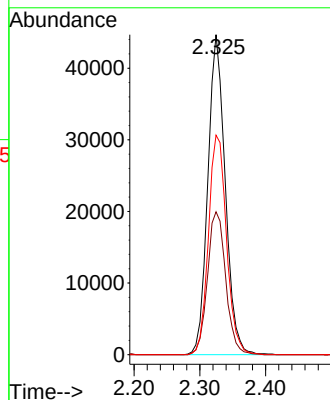
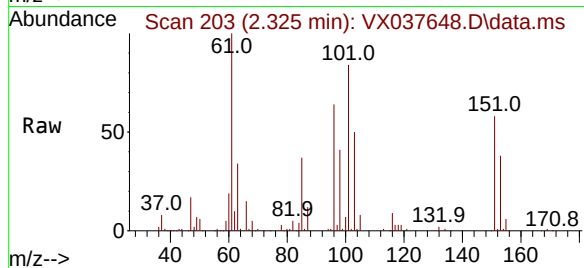
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.467 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX037648.D
Acq: 11 Sep 2023 18:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 8229
Ion Ratio Lower Upper
101 100
85 46.9 37.0 55.6
151 71.2 58.6 87.8

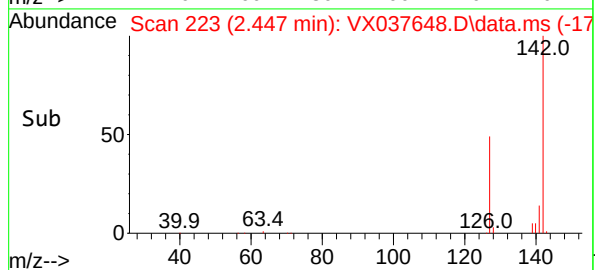
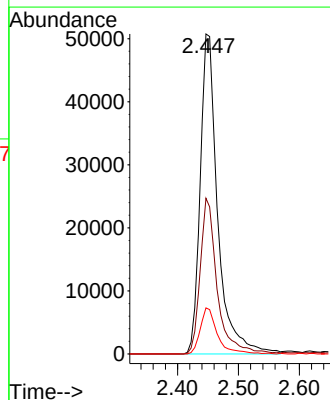
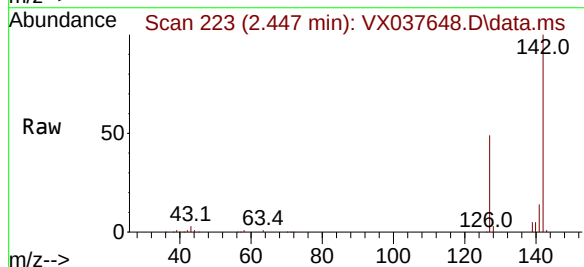
Manual Integrations
APPROVED

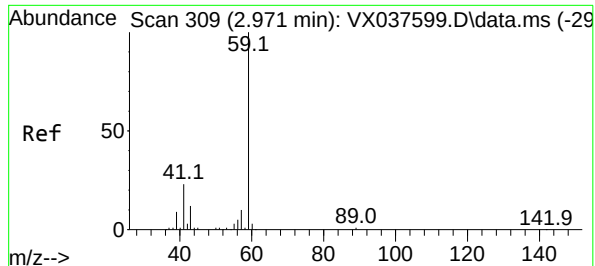
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#10
Methyl Iodide
Concen: 51.295 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX037648.D
Acq: 11 Sep 2023 18:13

Tgt Ion:142 Resp: 101435
Ion Ratio Lower Upper
142 100
127 47.5 41.6 62.4
141 14.1 11.6 17.4





#11

Tert butyl alcohol

Concen: 255.623 ug/l

RT: 2.965 min Scan# 309

Delta R.T. -0.006 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 137430

Ion Ratio Lower Upper

59 100

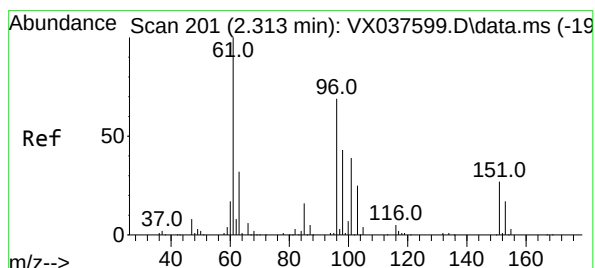
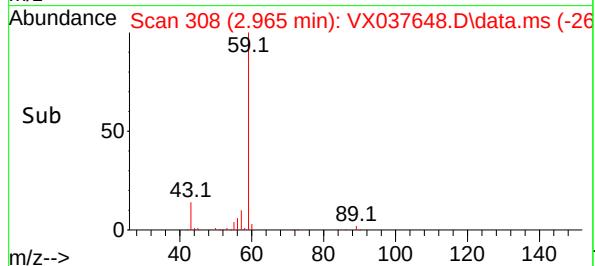
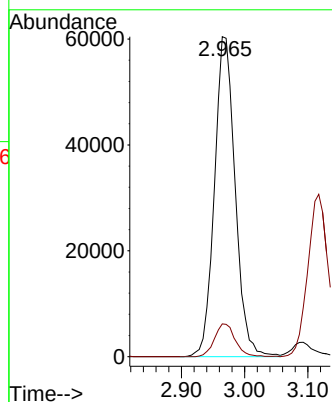
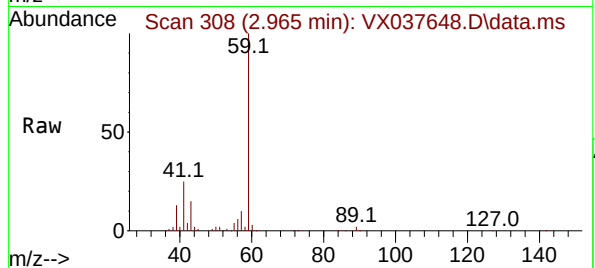
57 10.3 6.0 9.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#12

1,1-Dichloroethene

Concen: 48.623 ug/l

RT: 2.318 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

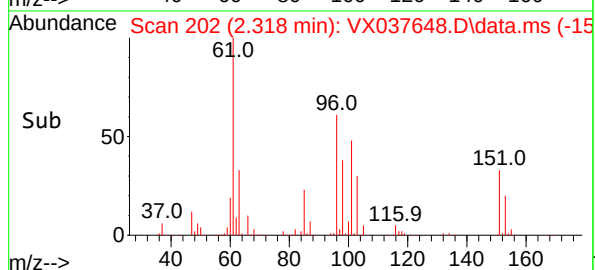
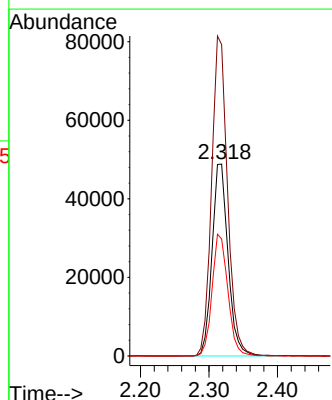
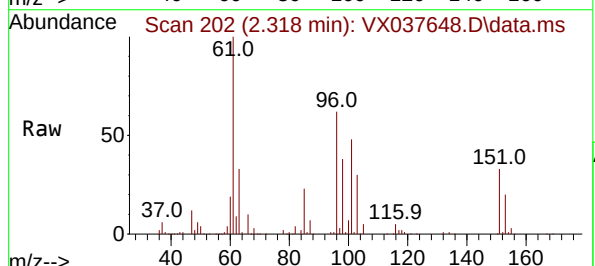
Tgt Ion: 96 Resp: 79462

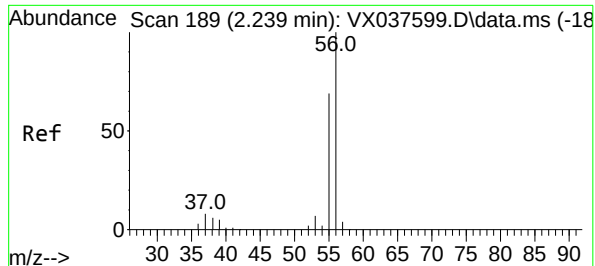
Ion Ratio Lower Upper

96 100

61 162.4 144.6 216.8

98 61.0 50.4 75.6





#13

Acrolein

Concen: 253.046 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 107120

Ion Ratio Lower Upper

56 100

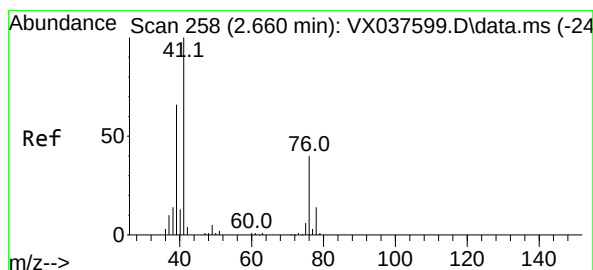
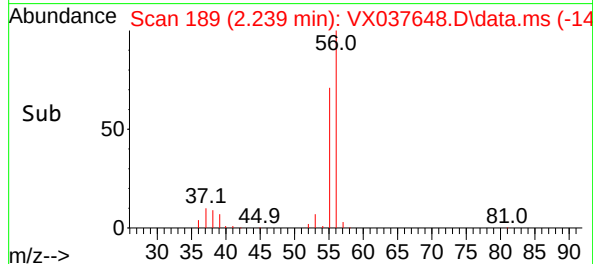
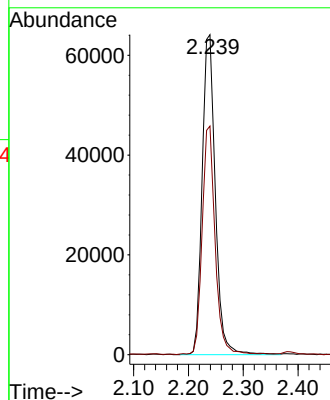
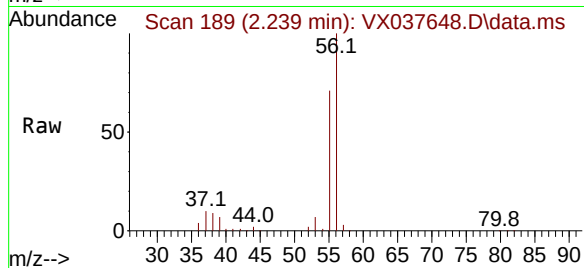
55 69.8 57.1 85.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#14

Allyl chloride

Concen: 49.183 ug/l

RT: 2.660 min Scan# 258

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

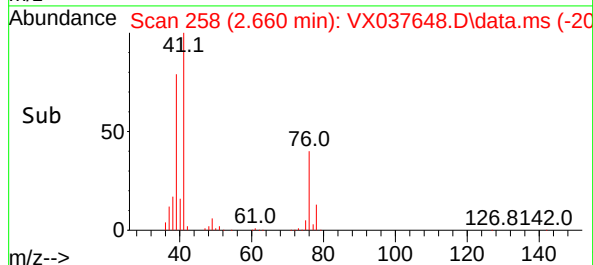
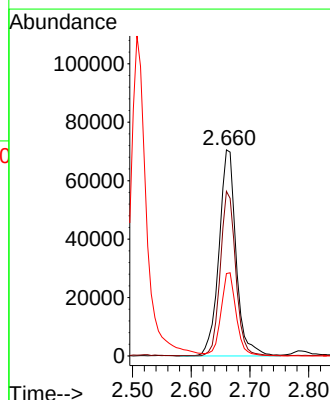
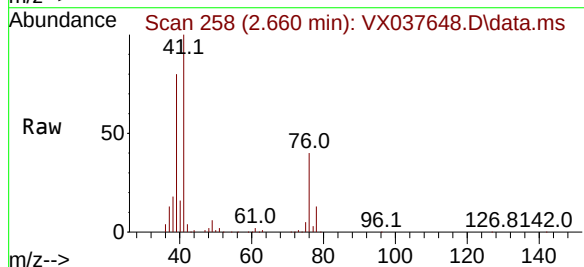
Tgt Ion: 41 Resp: 143030

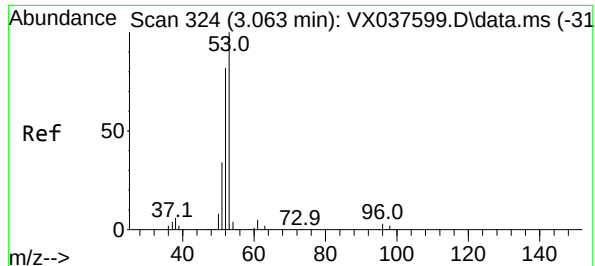
Ion Ratio Lower Upper

41 100

39 71.7 55.8 83.6

76 35.7 24.3 36.5





#15

Acrylonitrile

Concen: 245.762 ug/l

RT: 3.062 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

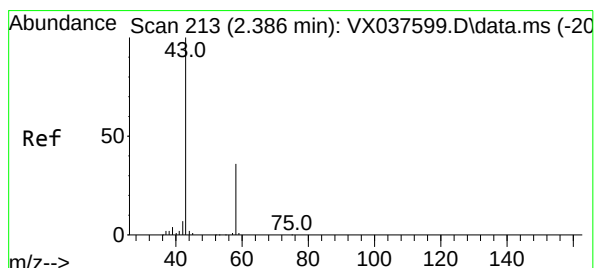
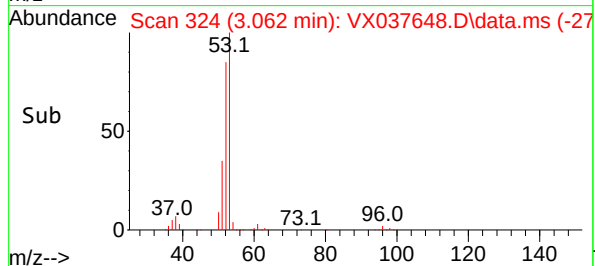
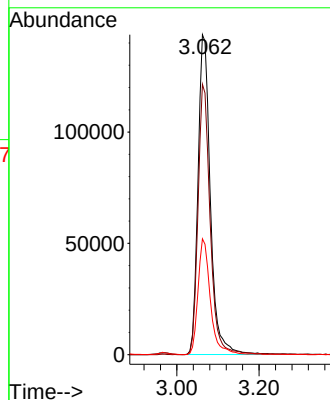
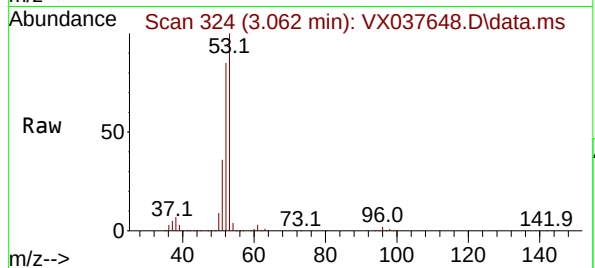
VSTDICCC050

Tgt Ion:	53	Resp:	30048
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.0	99.0
51	36.3	29.8	44.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#16

Acetone

Concen: 235.739 ug/l

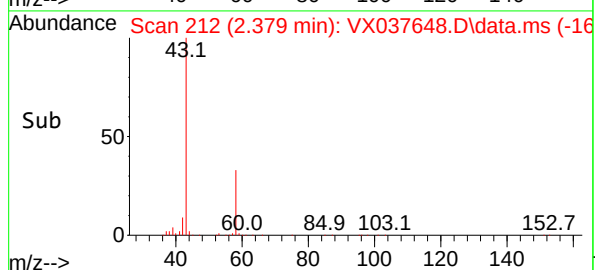
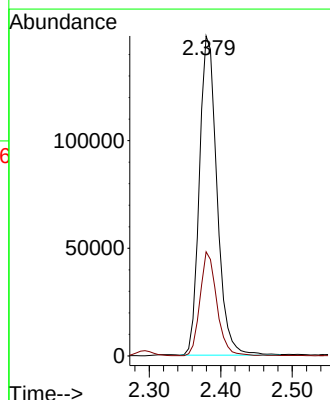
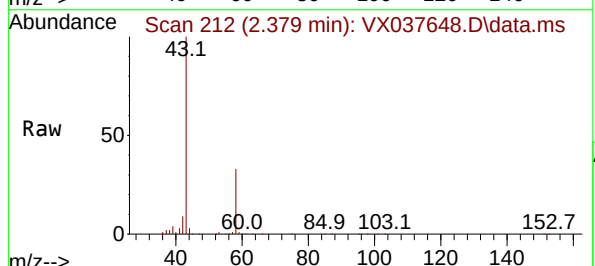
RT: 2.379 min Scan# 212

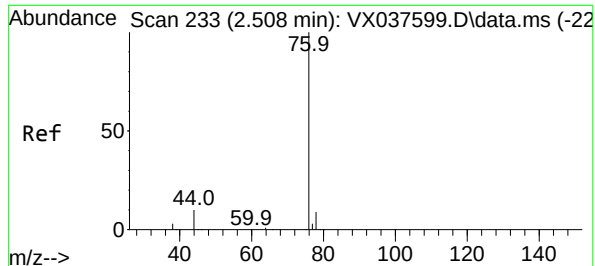
Delta R.T. -0.006 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Tgt Ion:	43	Resp:	253355
Ion	Ratio	Lower	Upper
43	100		
58	32.6	21.9	32.9





#17

Carbon Disulfide

Concen: 47.235 ug/l

RT: 2.507 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 19899

Ion Ratio Lower Upper

76 100

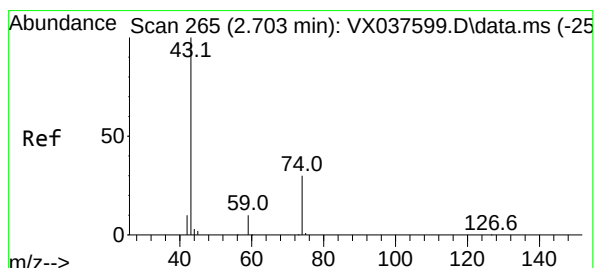
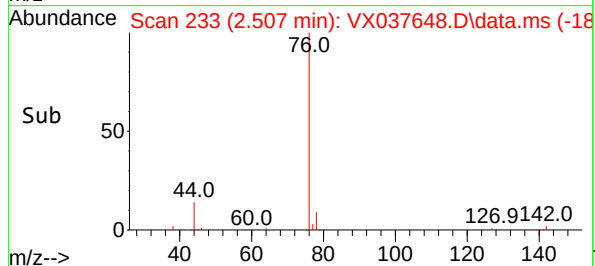
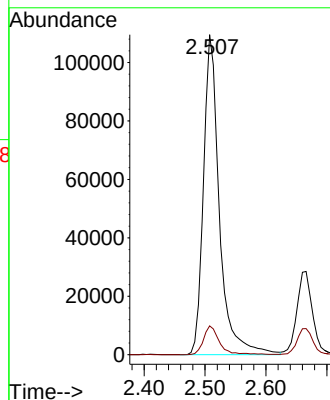
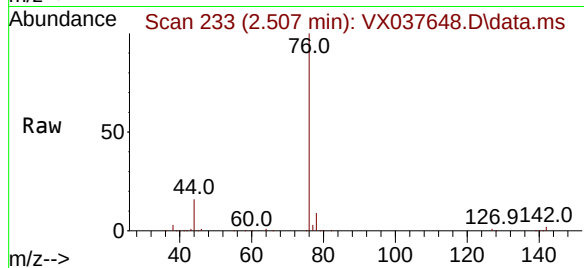
78 9.0 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#18

Methyl Acetate

Concen: 48.831 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX037648.D

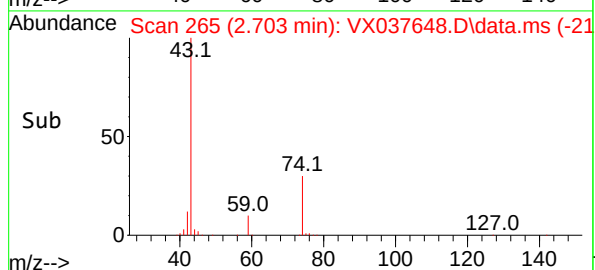
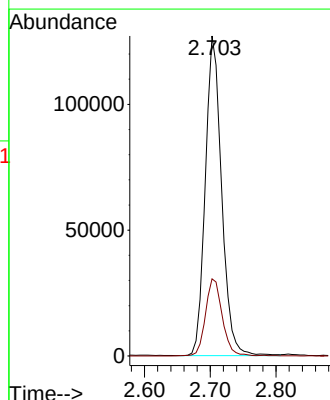
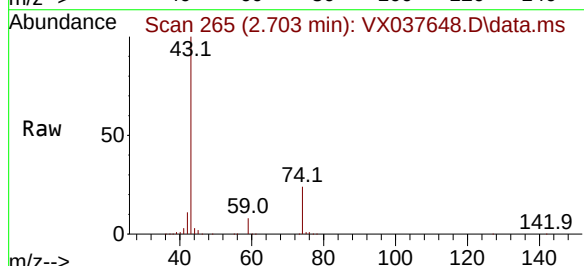
Acq: 11 Sep 2023 18:13

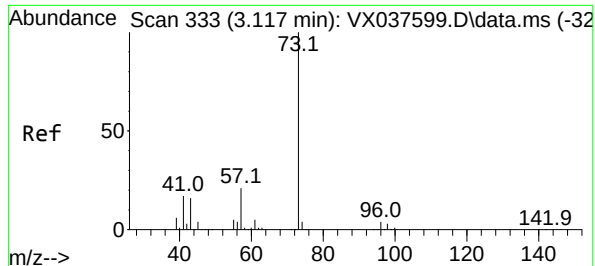
Tgt Ion: 43 Resp: 219950

Ion Ratio Lower Upper

43 100

74 24.7 17.8 26.8





#19

Methyl tert-butyl Ether

Concen: 49.427 ug/l

RT: 3.117 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 32608

Ion Ratio Lower Upper

73 100

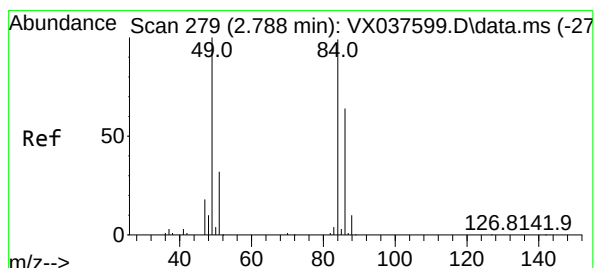
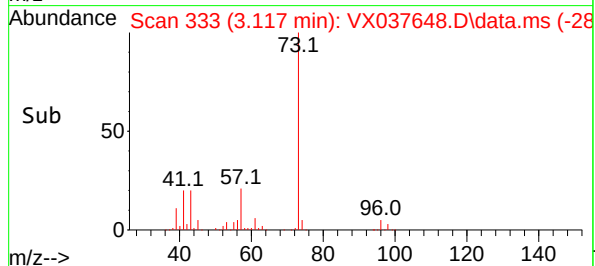
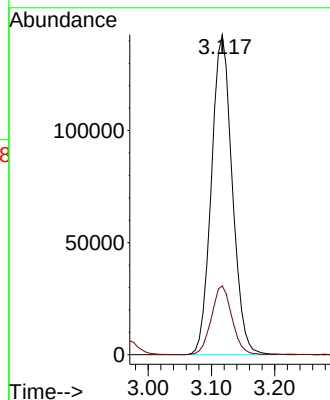
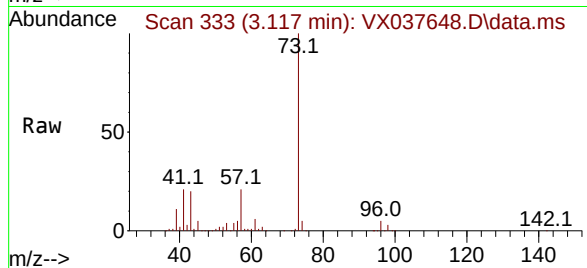
57 21.4 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#20

Methylene Chloride

Concen: 50.761 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Tgt Ion: 84 Resp: 103164

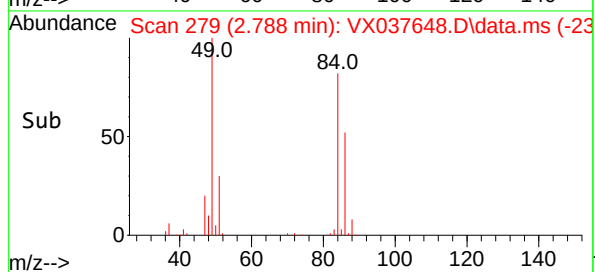
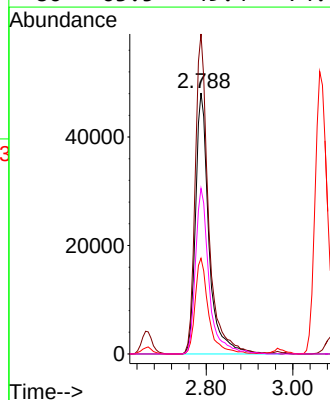
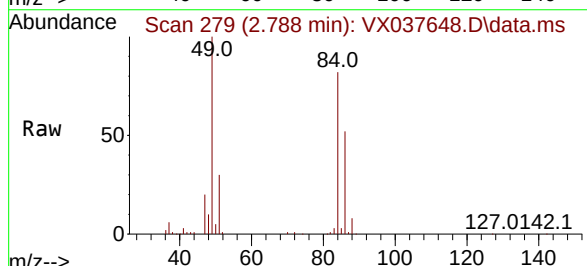
Ion Ratio Lower Upper

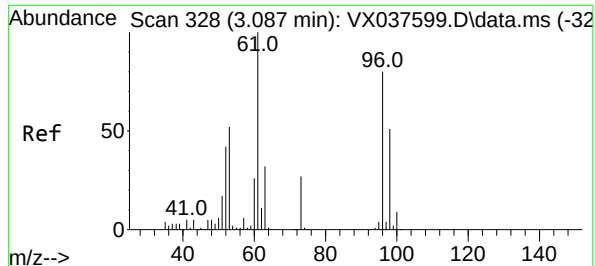
84 100

49 122.6 103.6 155.4

51 36.7 33.8 50.6

86 63.5 49.4 74.0





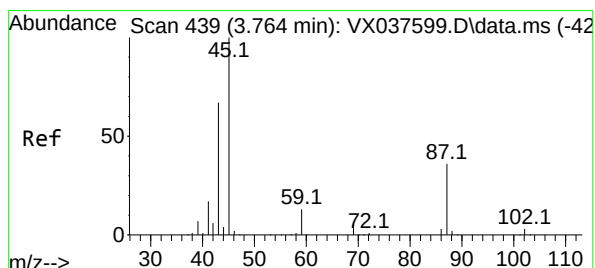
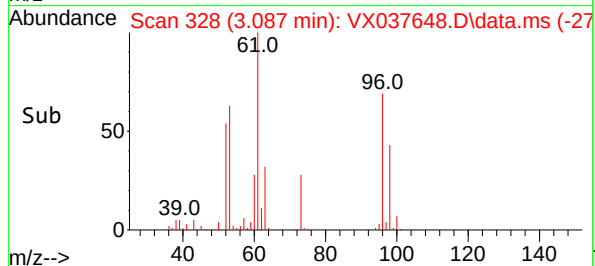
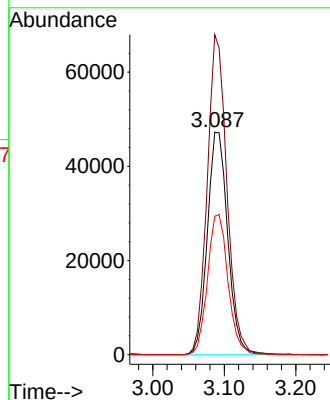
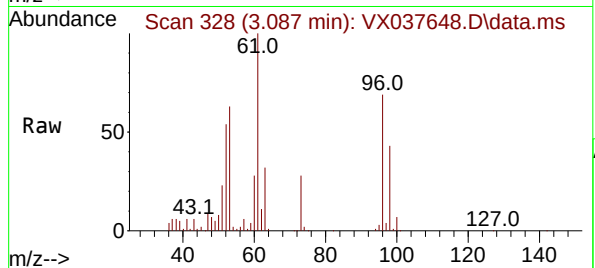
#21
trans-1,2-Dichloroethene
Concen: 48.282 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX037648.D
Acq: 11 Sep 2023 18:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 93569
Ion Ratio Lower Upper
96 100
61 143.9 119.2 178.8
98 62.2 48.7 73.1

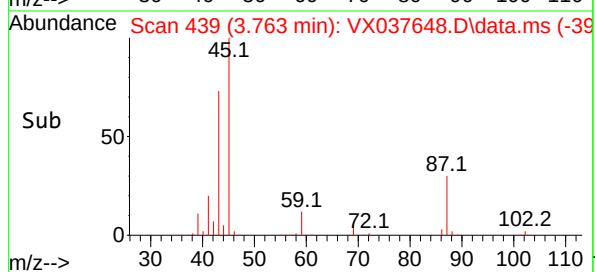
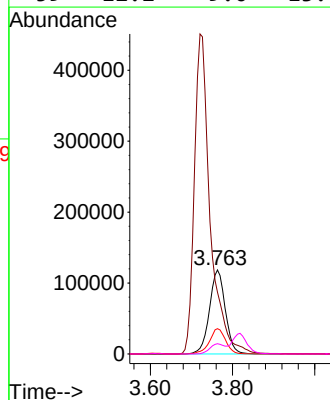
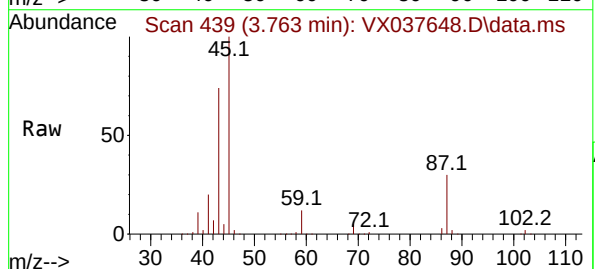
Manual Integrations
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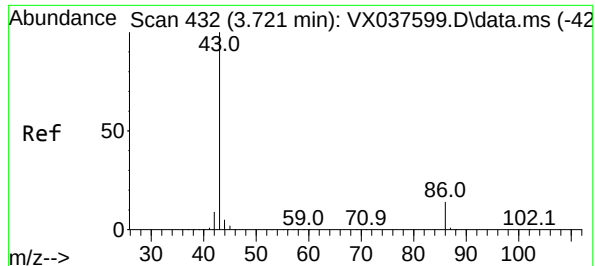
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#22
Diisopropyl ether
Concen: 49.838 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX037648.D
Acq: 11 Sep 2023 18:13

Tgt Ion: 45 Resp: 316342
Ion Ratio Lower Upper
45 100
43 73.4 69.7 104.5
87 30.0 20.8 31.2
59 12.2 9.0 13.4





#23

Vinyl Acetate

Concen: 258.894 ug/l

RT: 3.721 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Tgt Ion: 43 Resp: 120565

Ion Ratio Lower Upper

43 100

86 11.0 7.8 11.8

Instrument :

MSVOA_X

ClientSampleId :

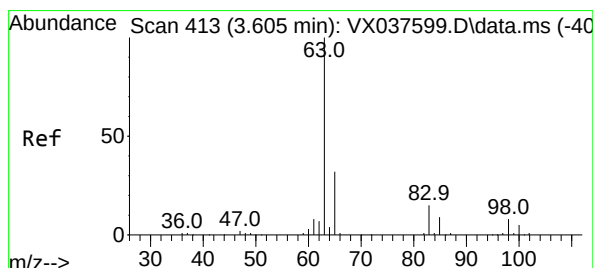
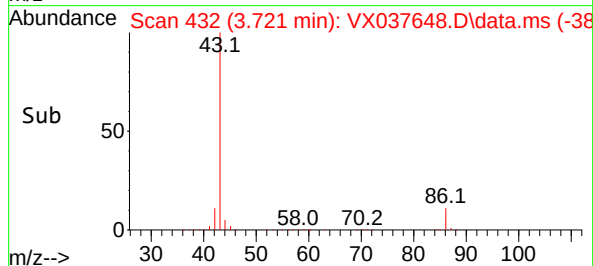
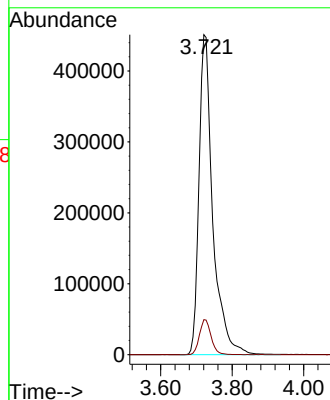
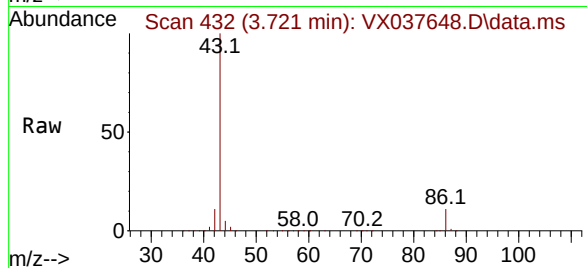
VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#24

1,1-Dichloroethane

Concen: 48.756 ug/l

RT: 3.611 min Scan# 414

Delta R.T. 0.006 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

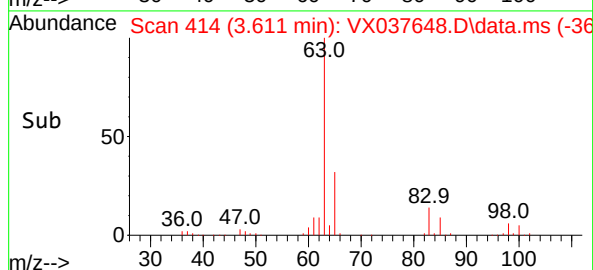
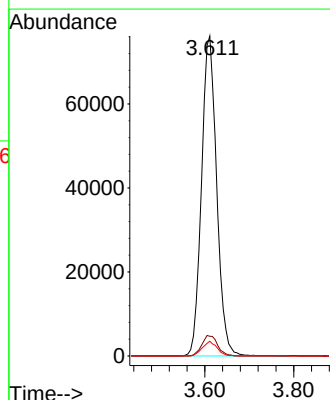
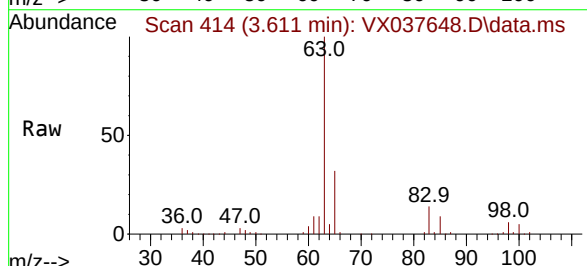
Tgt Ion: 63 Resp: 181052

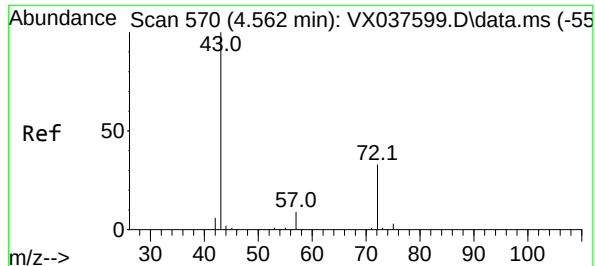
Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.8

100 4.6 2.1 6.5





#25

2-Butanone

Concen: 245.641 ug/l

RT: 4.556 min Scan# 50

Delta R.T. -0.006 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 42386

Ion Ratio Lower Upper

43 100

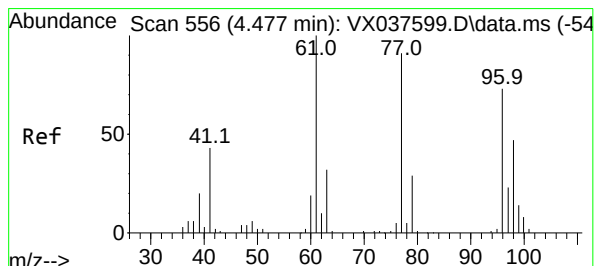
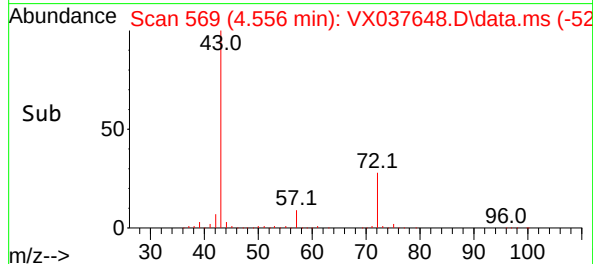
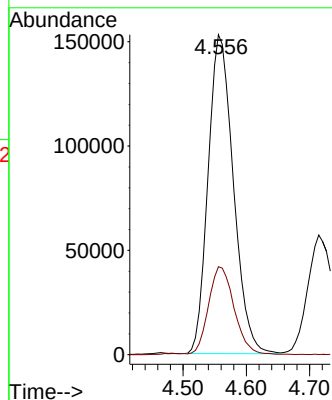
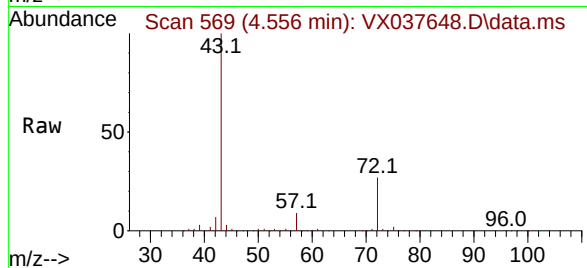
72 27.4 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#26

2,2-Dichloropropane

Concen: 51.264 ug/l

RT: 4.477 min Scan# 556

Delta R.T. -0.000 min

Lab File: VX037648.D

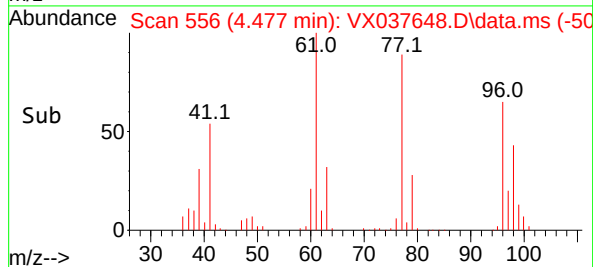
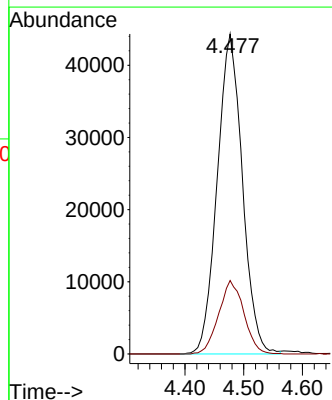
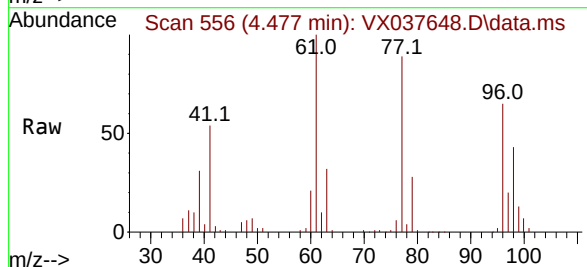
Acq: 11 Sep 2023 18:13

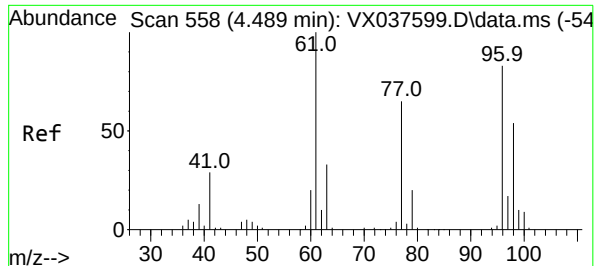
Tgt Ion: 77 Resp: 131812

Ion Ratio Lower Upper

77 100

97 23.0 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 49.246 ug/l

RT: 4.489 min Scan# 558

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 114120

Ion Ratio Lower Upper

96 100

61 143.7 0.0 312.2

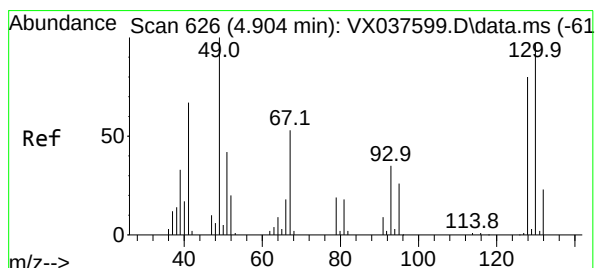
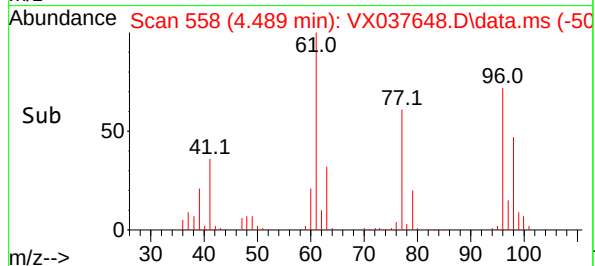
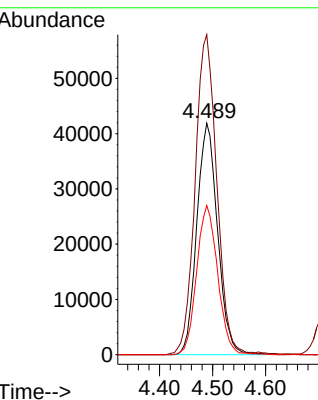
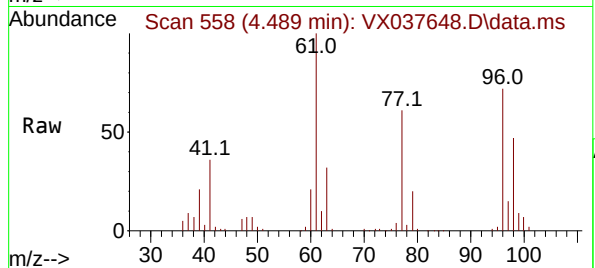
98 65.2 0.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#28

Bromochloromethane

Concen: 49.285 ug/l

RT: 4.903 min Scan# 626

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

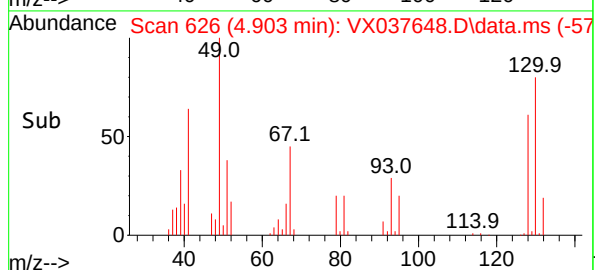
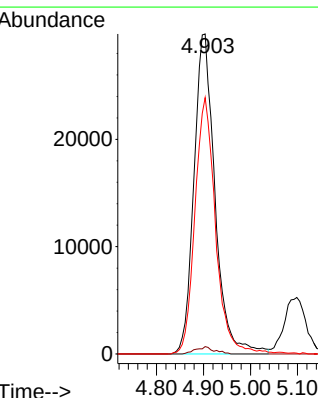
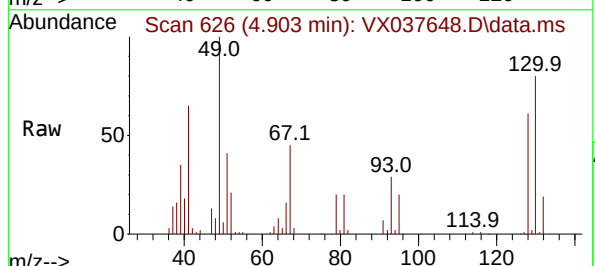
Tgt Ion: 49 Resp: 92802

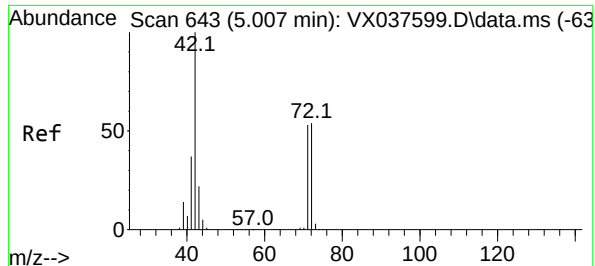
Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

130 78.4 57.5 86.3





#29

Tetrahydrofuran

Concen: 245.562 ug/l

RT: 5.007 min Scan# 643

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 272520

Ion Ratio Lower Upper

42 100

72 49.2 34.2 51.4

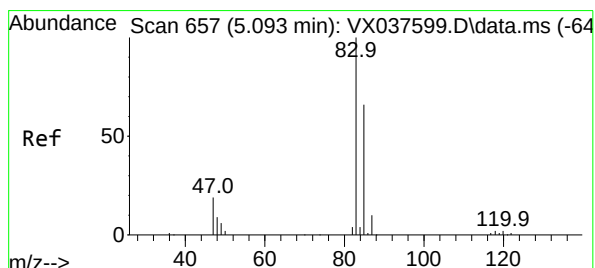
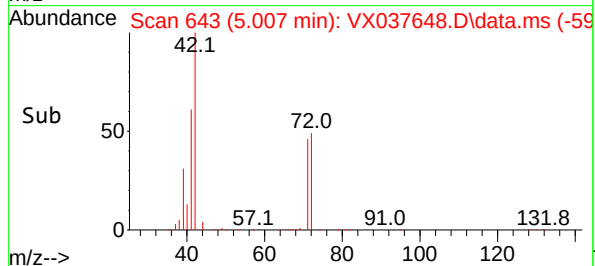
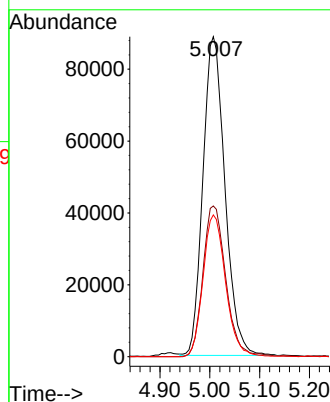
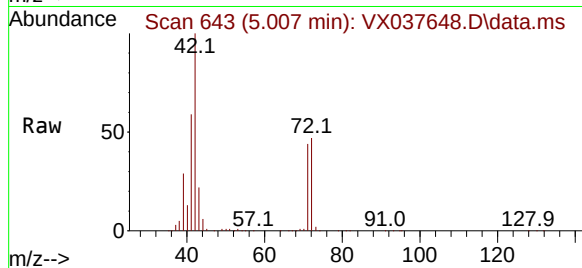
71 45.5 32.2 48.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#30

Chloroform

Concen: 49.528 ug/l

RT: 5.092 min Scan# 657

Delta R.T. -0.000 min

Lab File: VX037648.D

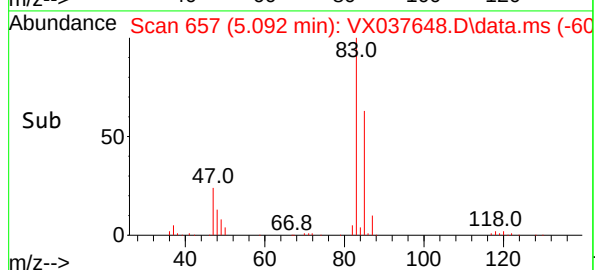
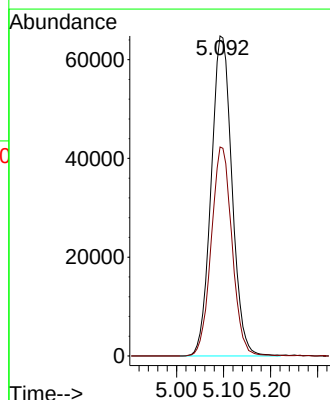
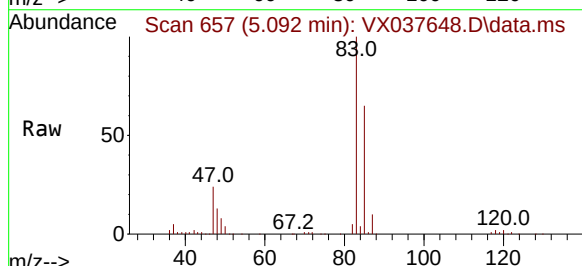
Acq: 11 Sep 2023 18:13

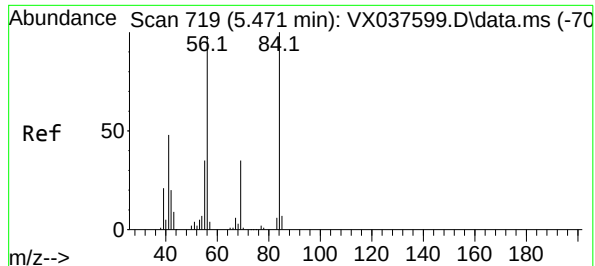
Tgt Ion: 83 Resp: 199406

Ion Ratio Lower Upper

83 100

85 65.3 50.3 75.5





#31

Cyclohexane

Concen: 50.523 ug/l

RT: 5.470 min Scan# 719

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 15125

Ion Ratio Lower Upper

56 100

69 30.1 23.4 35.2

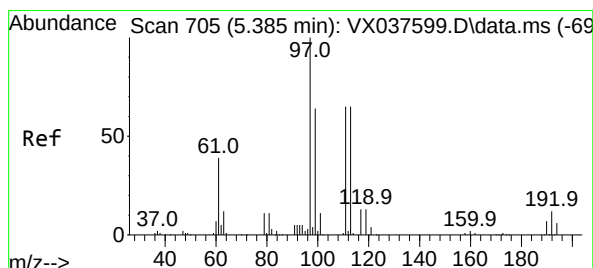
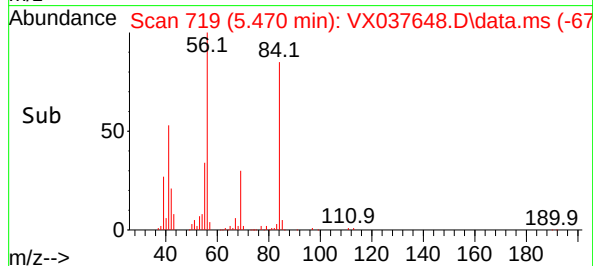
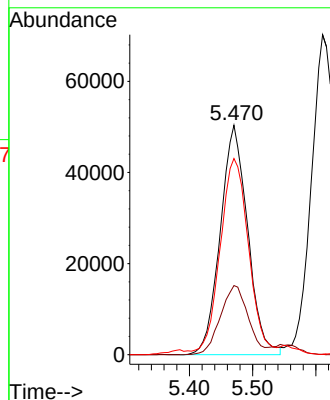
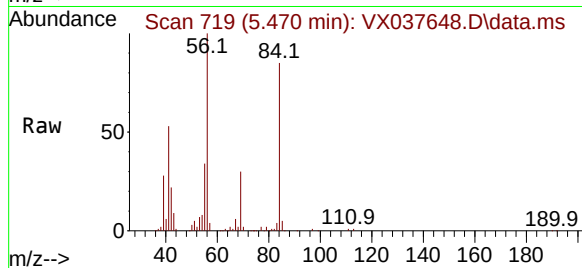
84 83.3 65.9 98.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#32

1,1,1-Trichloroethane

Concen: 50.081 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

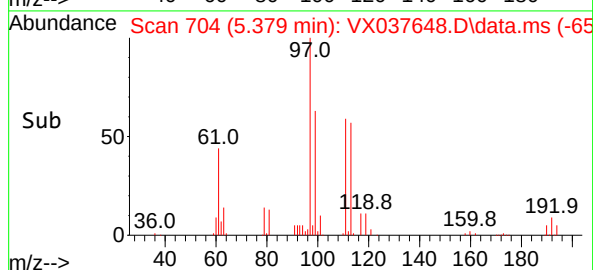
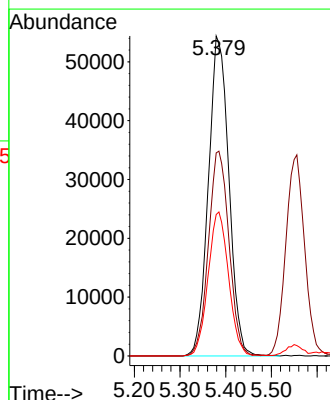
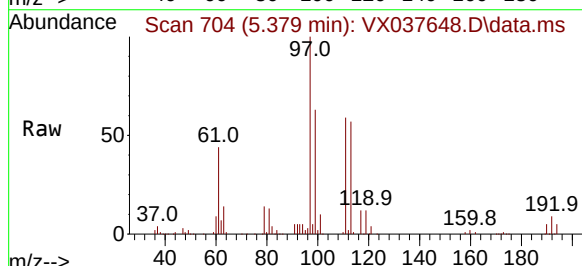
Tgt Ion: 97 Resp: 169359

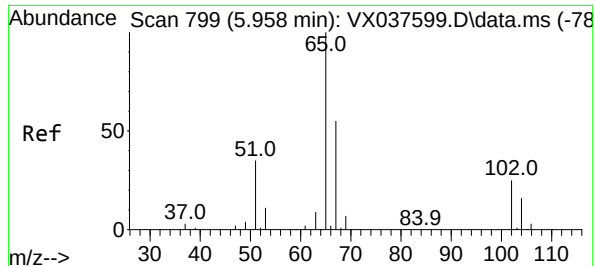
Ion Ratio Lower Upper

97 100

99 64.4 51.1 76.7

61 45.3 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 49.203 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 127918

Ion Ratio Lower Upper

65 100

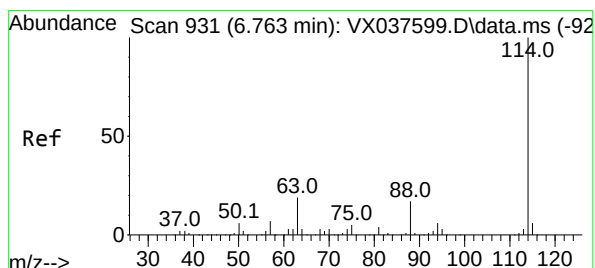
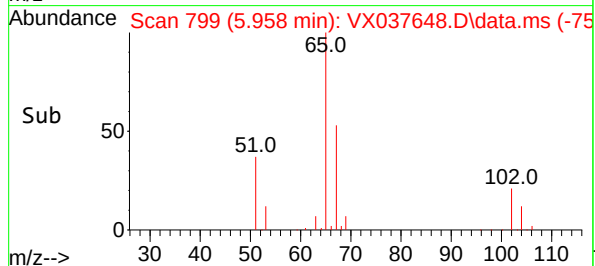
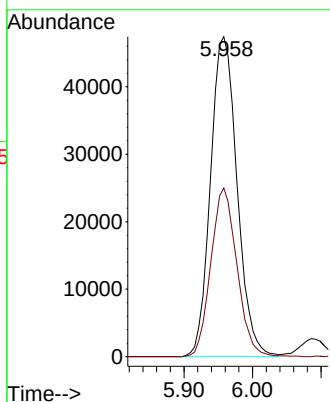
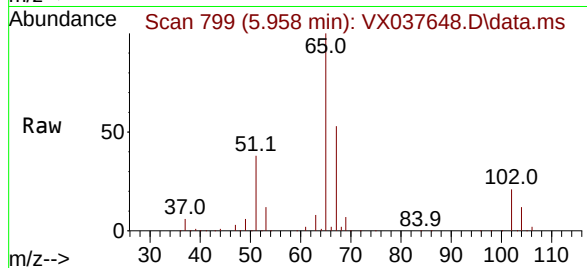
67 51.6 0.0 100.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

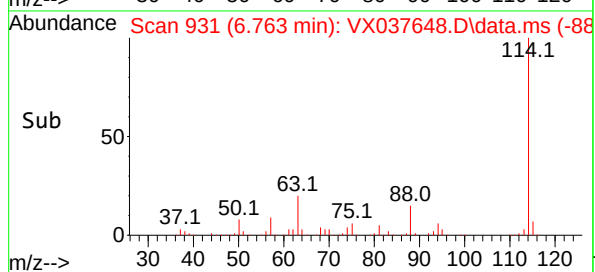
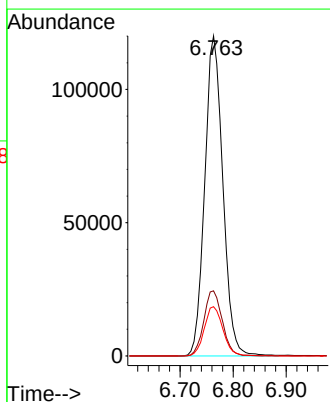
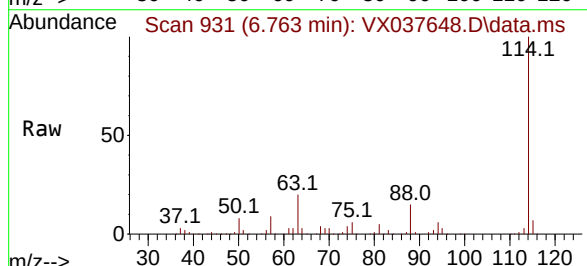
Tgt Ion:114 Resp: 284909

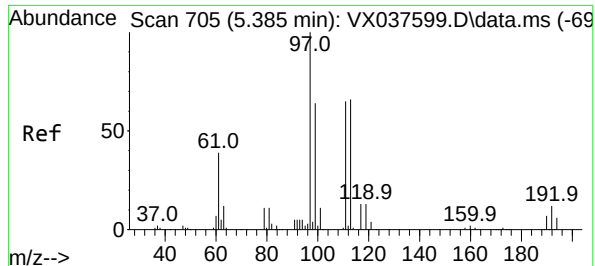
Ion Ratio Lower Upper

114 100

63 20.4 0.0 45.0

88 15.4 0.0 36.6





#35

Dibromofluoromethane

Concen: 49.581 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:113 Resp: 10012

Ion Ratio Lower Upper

113 100

111 102.1 82.9 124.3

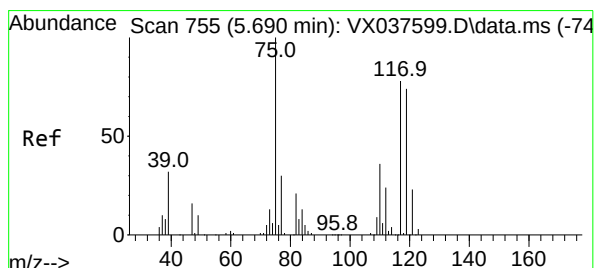
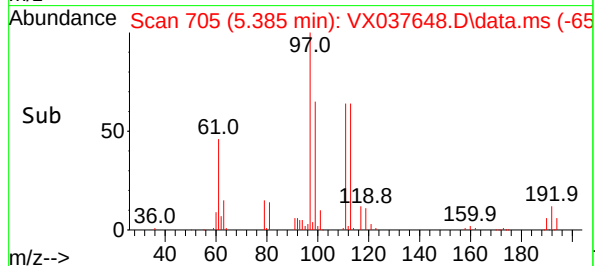
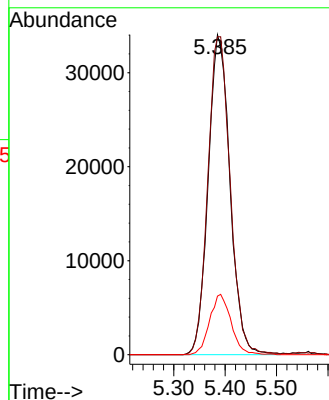
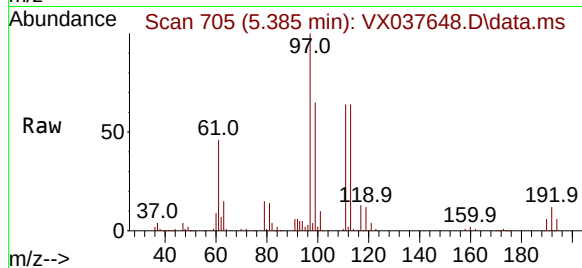
192 18.5 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#36

1,1-Dichloropropene

Concen: 49.040 ug/l

RT: 5.696 min Scan# 756

Delta R.T. 0.006 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

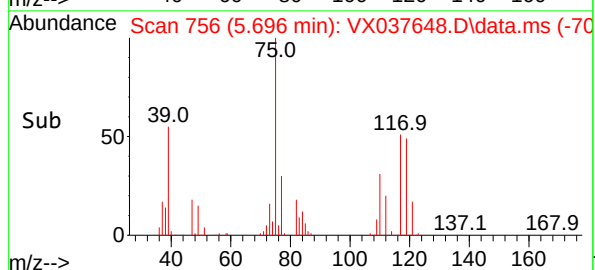
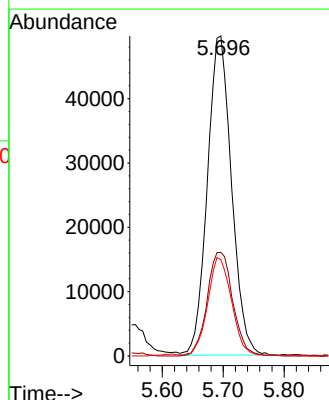
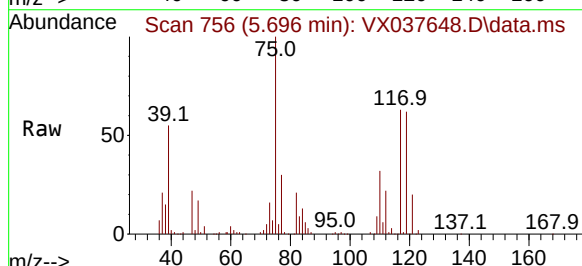
Tgt Ion: 75 Resp: 136572

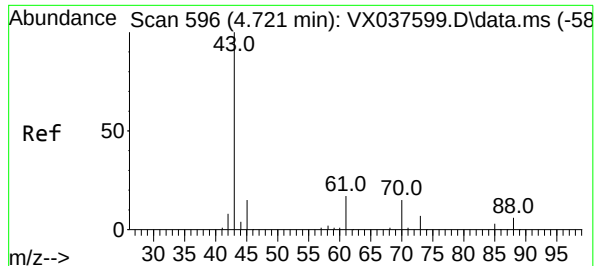
Ion Ratio Lower Upper

75 100

110 34.5 17.0 50.9

77 30.8 24.7 37.1





#37

Ethyl Acetate

Concen: 51.412 ug/l

RT: 4.714 min Scan# 596

Delta R.T. -0.006 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

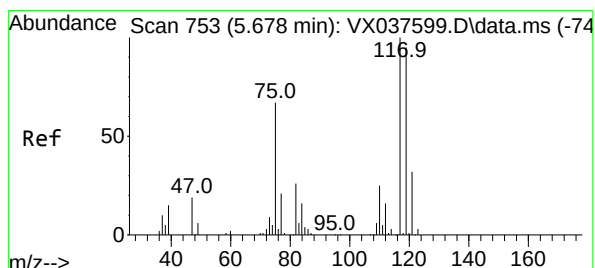
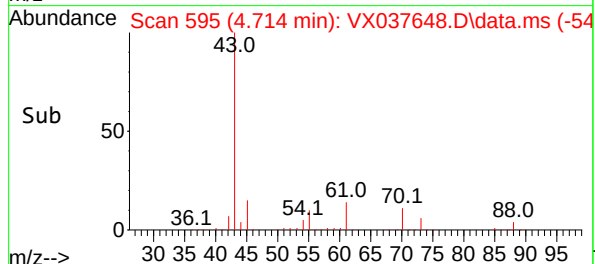
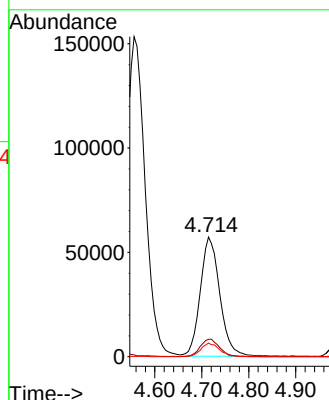
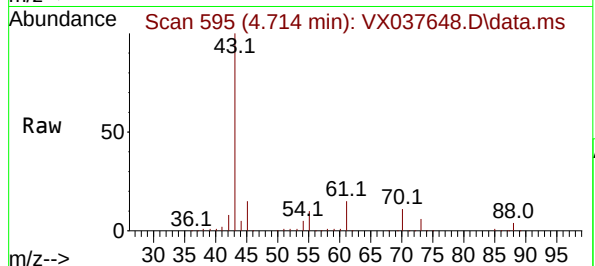
VSTDICCC050

Tgt Ion:	43	Resp:	16537
Ion Ratio	Lower	Upper	
43	100		
61	14.7	10.6	16.0
70	10.7	8.3	12.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#38

Carbon Tetrachloride

Concen: 51.126 ug/l

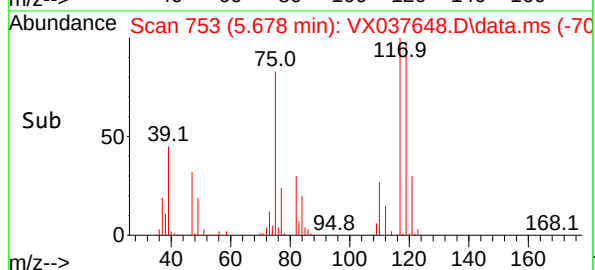
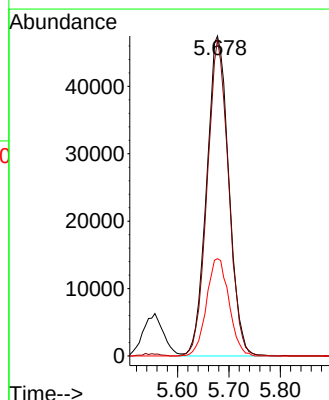
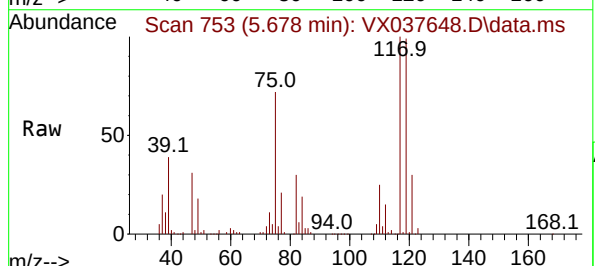
RT: 5.678 min Scan# 753

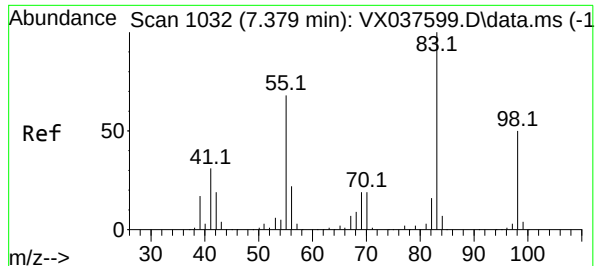
Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Tgt Ion:	117	Resp:	142200
Ion Ratio	Lower	Upper	
117	100		
119	98.8	78.2	117.2
121	30.4	24.4	36.6





#39

Methylcyclohexane

Concen: 50.362 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 164964

Ion Ratio Lower Upper

83 100

55 72.7 64.6 97.0

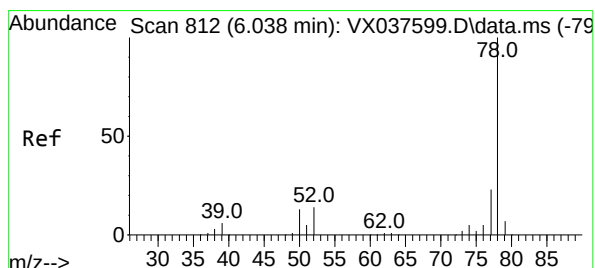
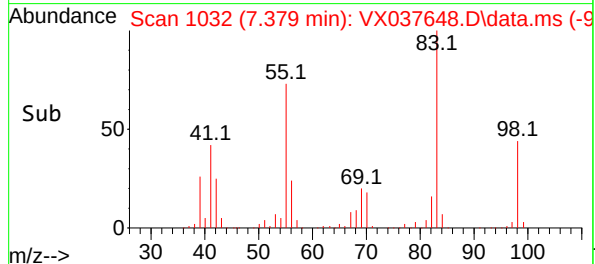
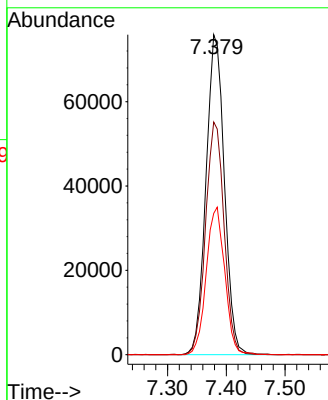
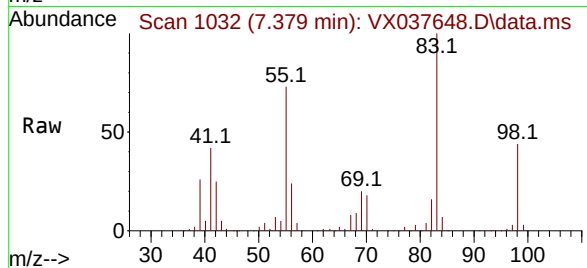
98 44.2 36.7 55.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#40

Benzene

Concen: 49.677 ug/l

RT: 6.037 min Scan# 812

Delta R.T. -0.000 min

Lab File: VX037648.D

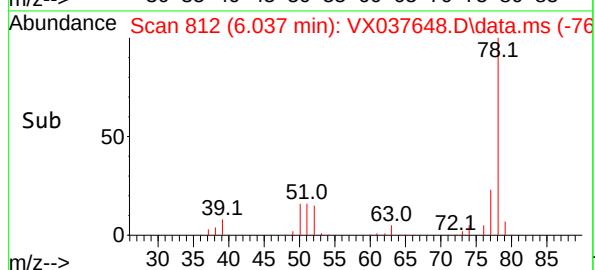
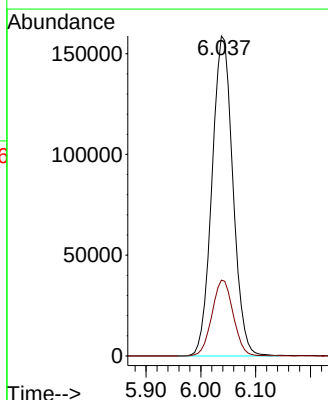
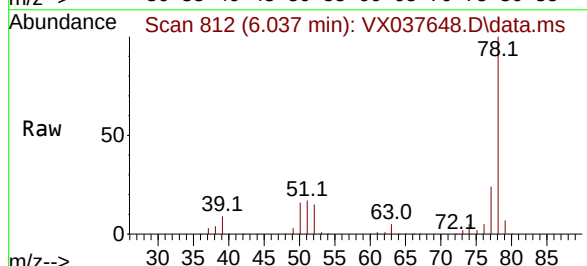
Acq: 11 Sep 2023 18:13

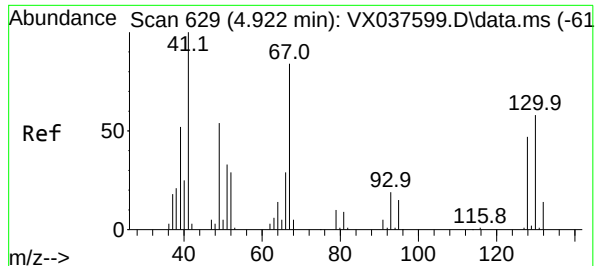
Tgt Ion: 78 Resp: 420664

Ion Ratio Lower Upper

78 100

77 23.7 19.3 28.9





#41

Methacrylonitrile

Concen: 51.314 ug/l

RT: 4.922 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 41 Resp: 87559

Ion Ratio Lower Upper

41 100

39 55.9 45.2 67.8

67 76.5 52.6 78.8

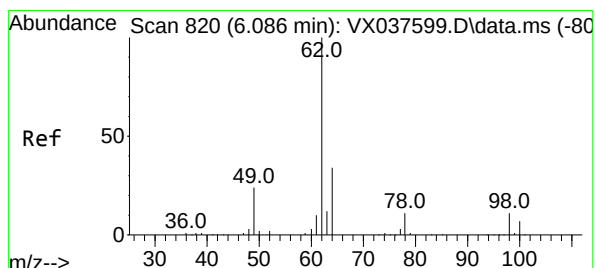
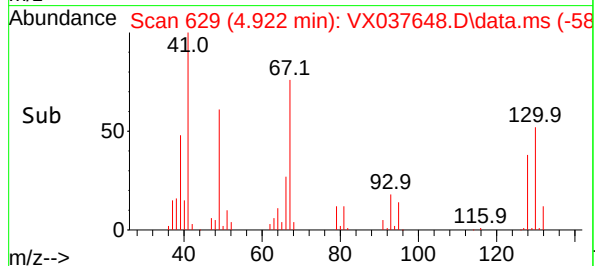
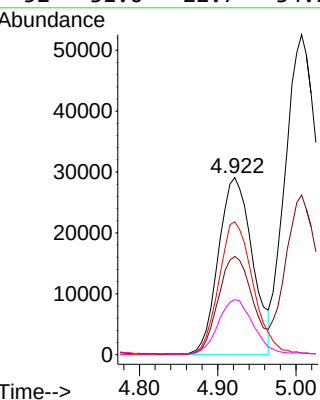
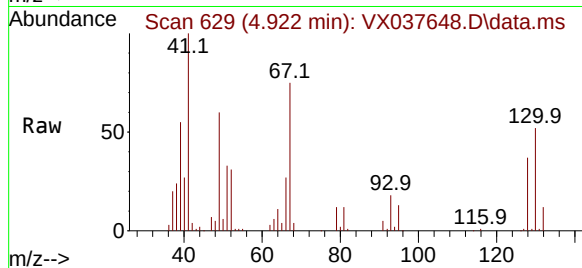
52 31.6 22.7 34.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#42

1,2-Dichloroethane

Concen: 49.960 ug/l

RT: 6.086 min Scan# 820

Delta R.T. -0.000 min

Lab File: VX037648.D

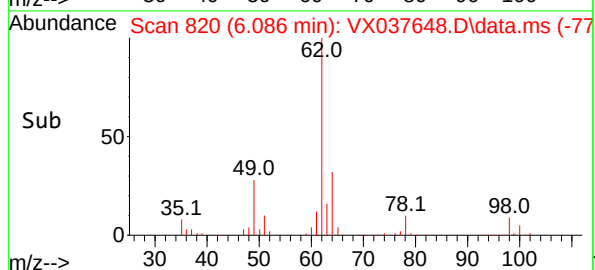
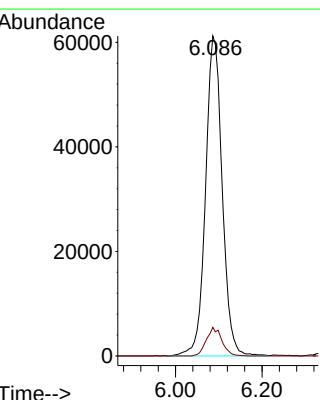
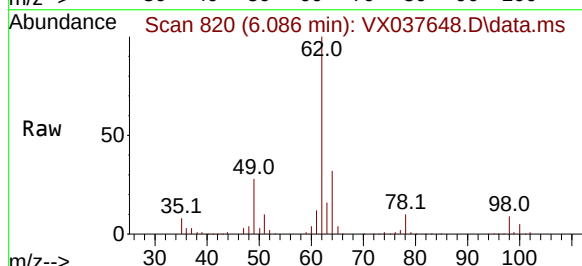
Acq: 11 Sep 2023 18:13

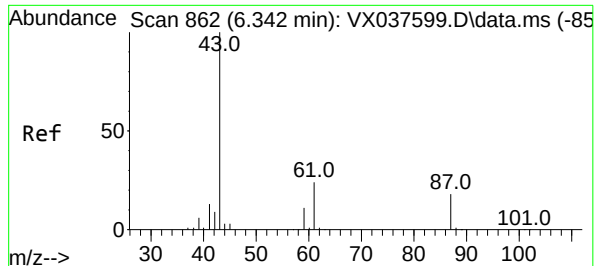
Tgt Ion: 62 Resp: 163937

Ion Ratio Lower Upper

62 100

98 8.3 0.0 16.0





#43

Isopropyl Acetate

Concen: 51.569 ug/l

RT: 6.342 min Scan# 862

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

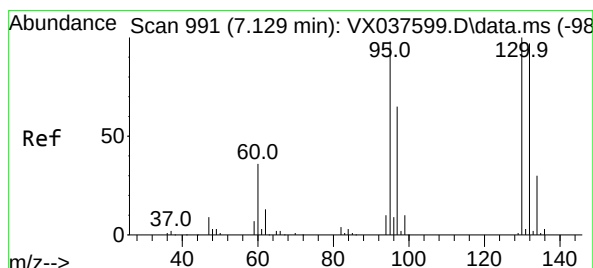
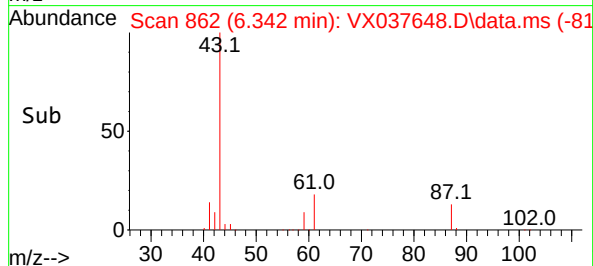
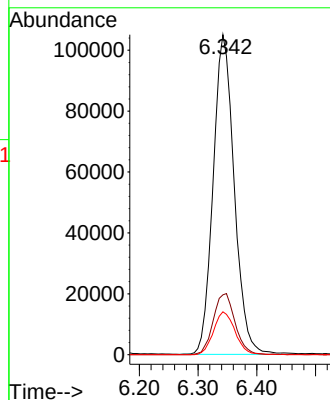
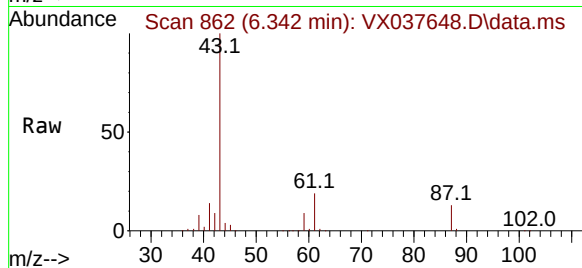
VSTDICCC050

Tgt Ion:	43	Resp:	261819
Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.2	22.8
87	13.8	9.8	14.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#44

Trichloroethene

Concen: 49.493 ug/l

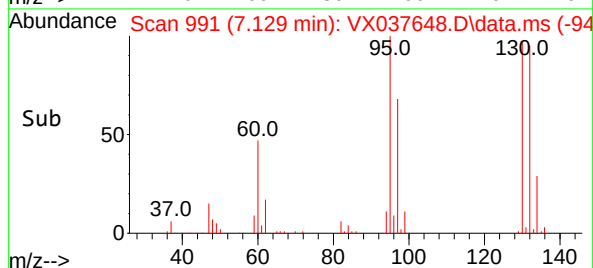
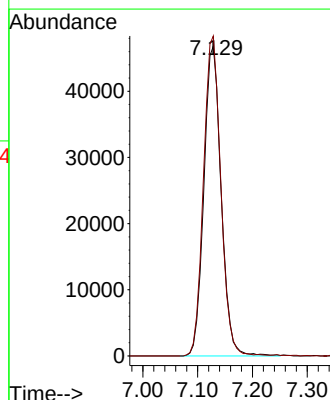
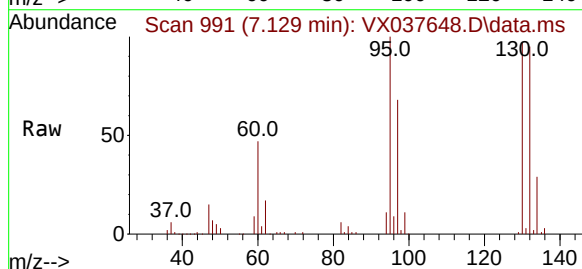
RT: 7.129 min Scan# 991

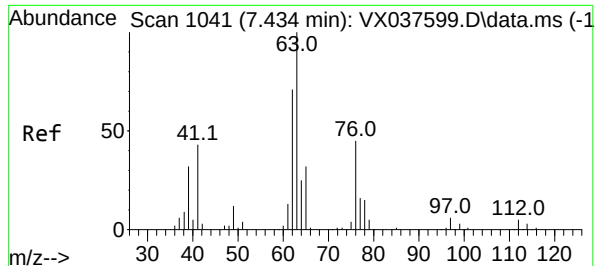
Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Tgt Ion:	130	Resp:	102289
Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	204.4





#45

1,2-Dichloropropane

Concen: 50.412 ug/l

RT: 7.433 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 11201

Ion Ratio Lower Upper

63 100

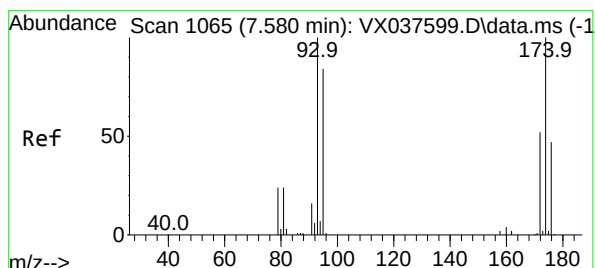
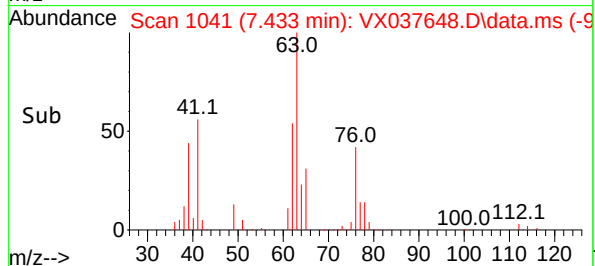
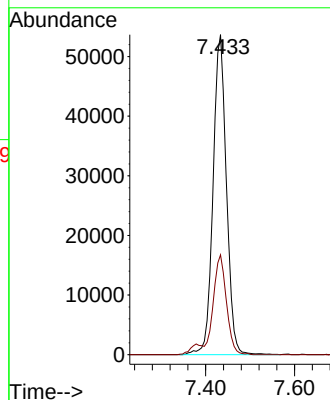
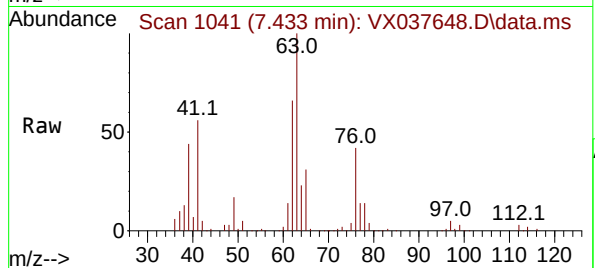
65 31.2 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#46

Dibromomethane

Concen: 49.401 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

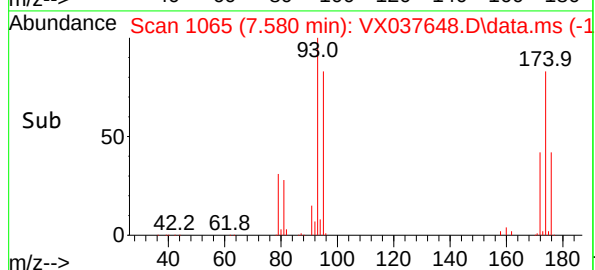
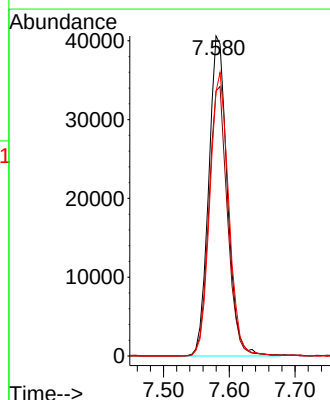
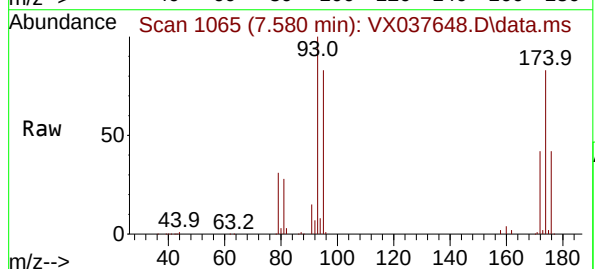
Tgt Ion: 93 Resp: 80083

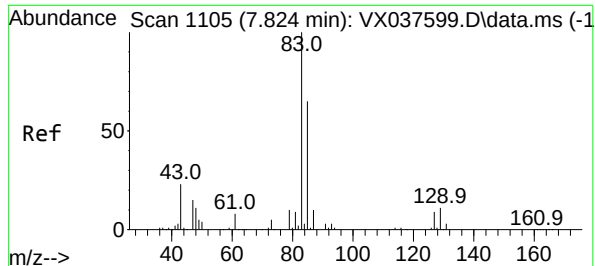
Ion Ratio Lower Upper

93 100

95 84.0 66.6 100.0

174 89.5 69.4 104.0





#47

Bromodichloromethane

Concen: 52.003 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

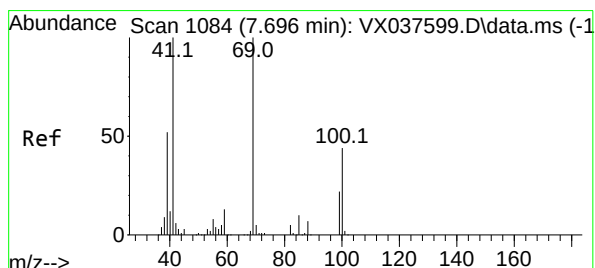
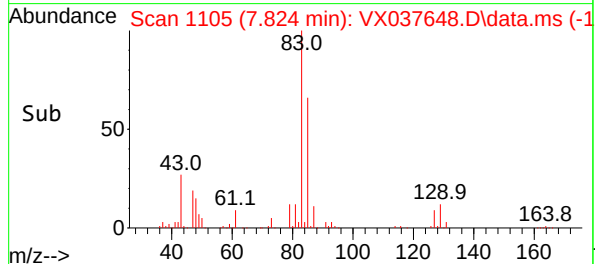
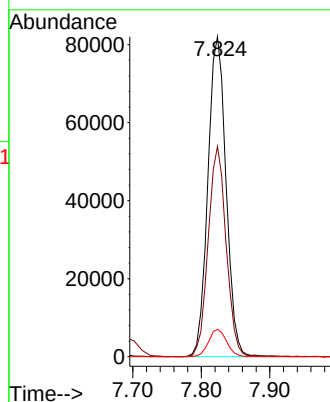
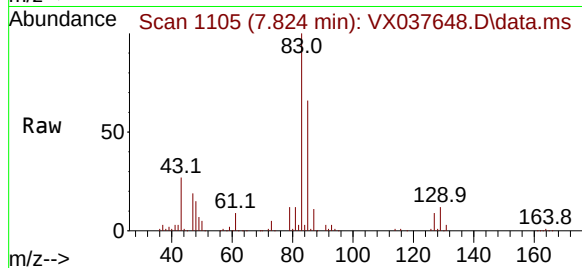
VSTDICCC050

Tgt Ion: 83	Resp: 15109
Ion Ratio	Lower Upper
83 100	
85 65.7	49.8 74.6
127 8.5	7.1 10.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#48

Methyl methacrylate

Concen: 51.109 ug/l

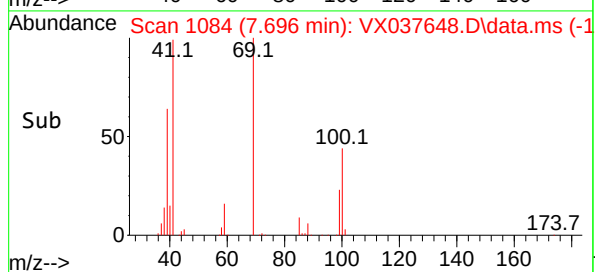
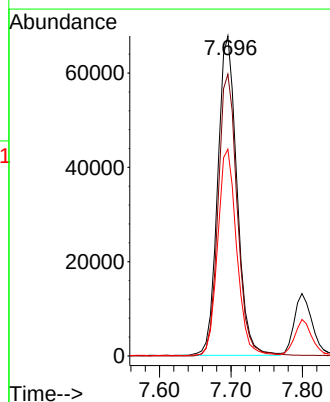
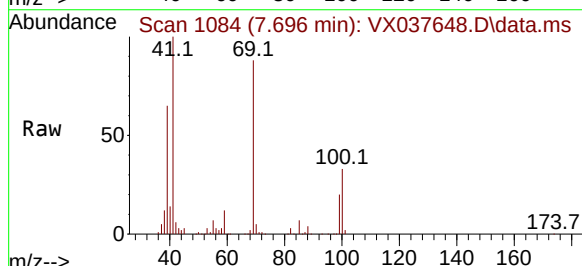
RT: 7.696 min Scan# 1084

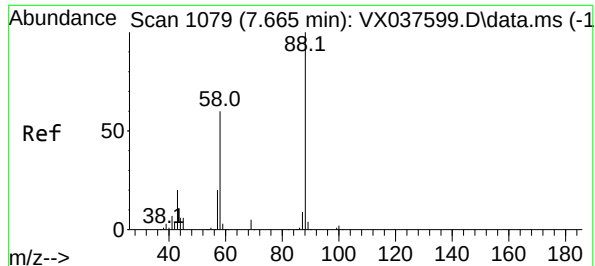
Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Tgt Ion: 41	Resp: 126730
Ion Ratio	Lower Upper
41 100	
69 87.9	59.2 88.8
39 63.8	47.7 71.5





#49

1,4-Dioxane

Concen: 1019.054 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. -0.006 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 88 Resp: 62938

Ion Ratio Lower Upper

88 100

43 31.0 0.0 0.0

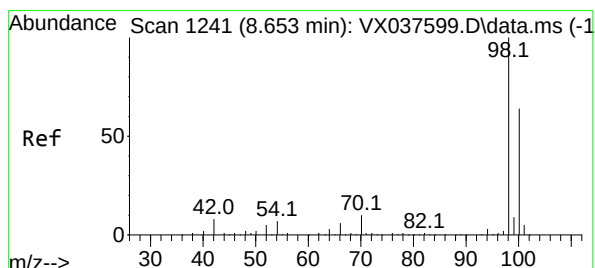
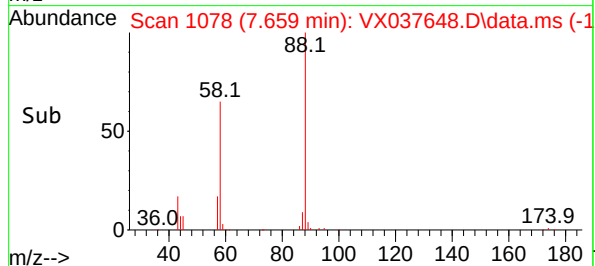
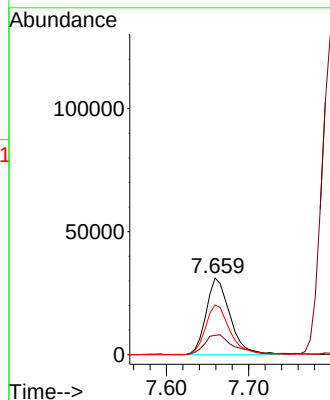
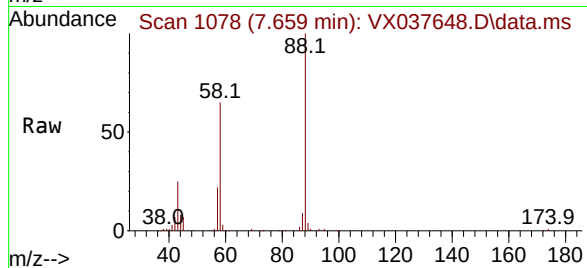
58 67.2 60.1 90.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#50

Toluene-d8

Concen: 50.383 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX037648.D

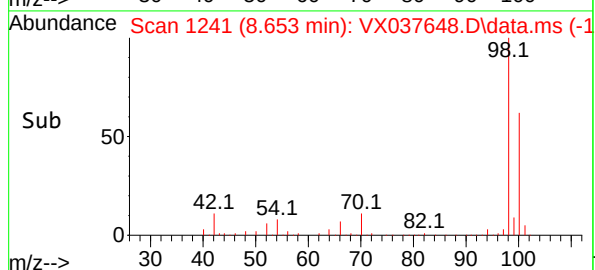
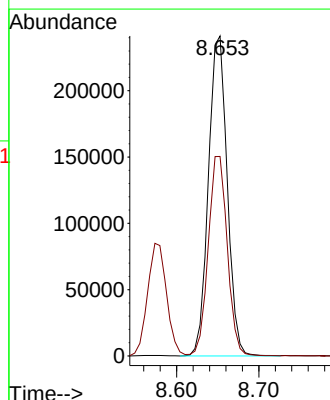
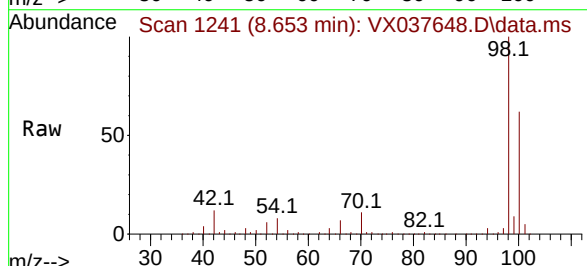
Acq: 11 Sep 2023 18:13

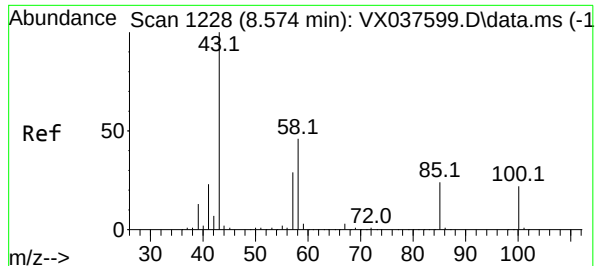
Tgt Ion: 98 Resp: 383734

Ion Ratio Lower Upper

98 100

100 63.1 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 262.508 ug/l

RT: 8.573 min Scan# 1228

Delta R.T. -0.001 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Tgt Ion: 43 Resp: 878749

Ion Ratio Lower Upper

43 100

58 40.1 30.4 45.6

Instrument :

MSVOA_X

ClientSampleId :

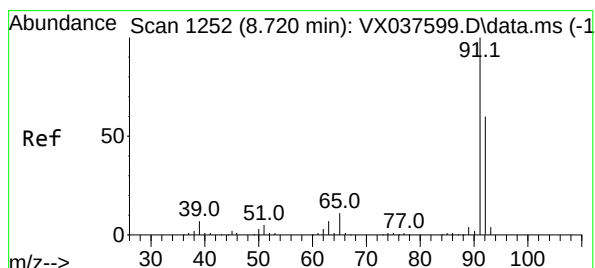
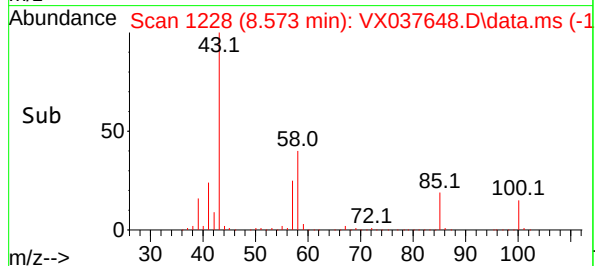
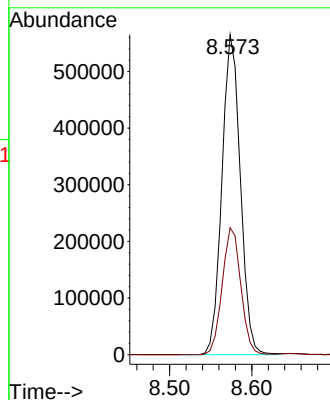
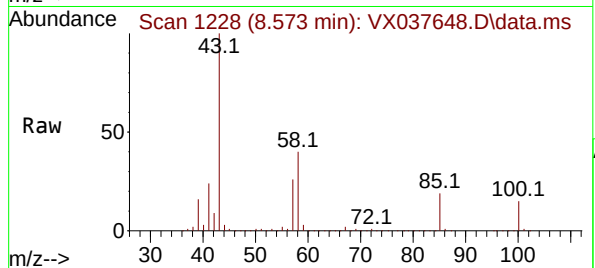
VSTDICCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#52

Toluene

Concen: 50.847 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX037648.D

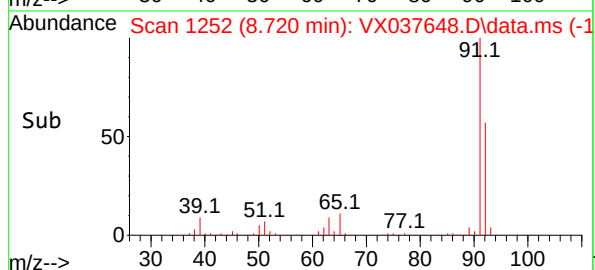
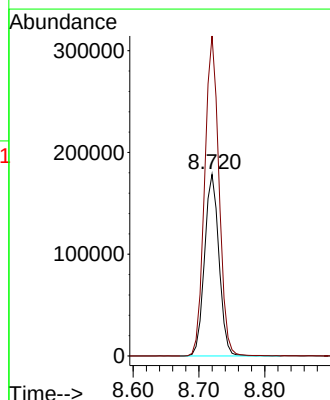
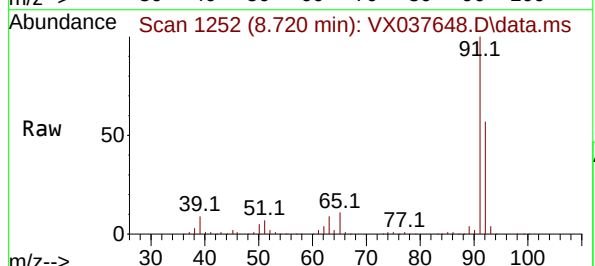
Acq: 11 Sep 2023 18:13

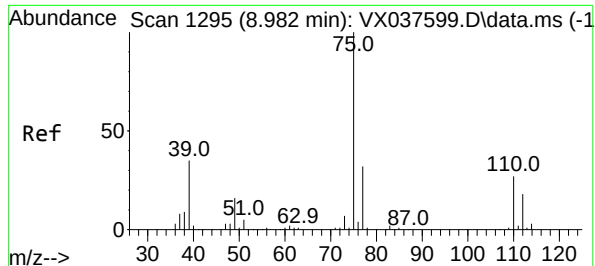
Tgt Ion: 92 Resp: 272447

Ion Ratio Lower Upper

92 100

91 175.2 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 54.424 ug/l

RT: 8.982 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 75 Resp: 15952

Ion Ratio Lower Upper

75 100

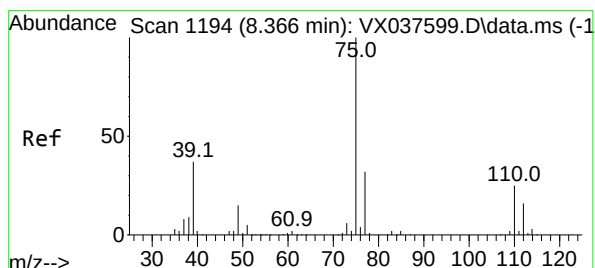
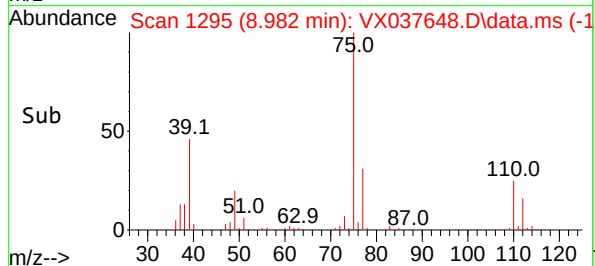
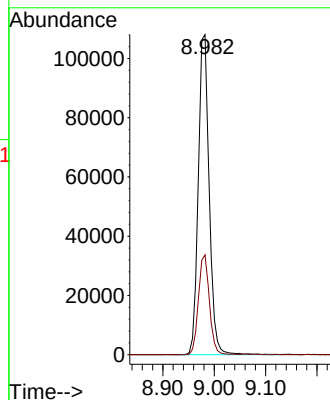
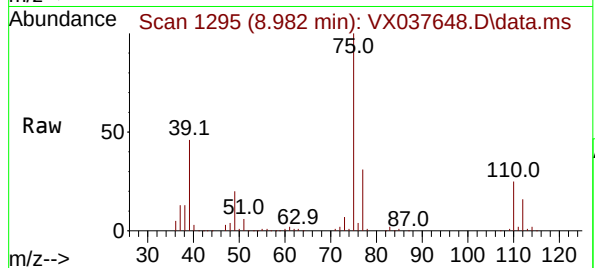
77 31.2 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#54

cis-1,3-Dichloropropene

Concen: 53.413 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

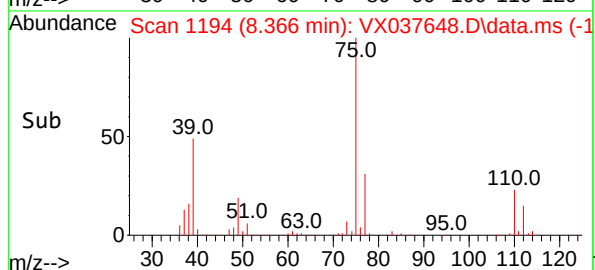
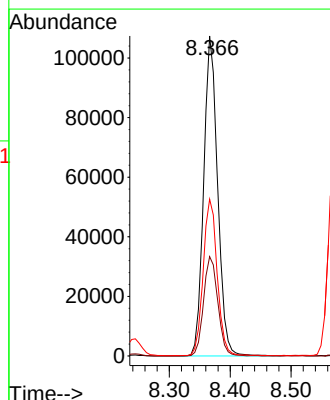
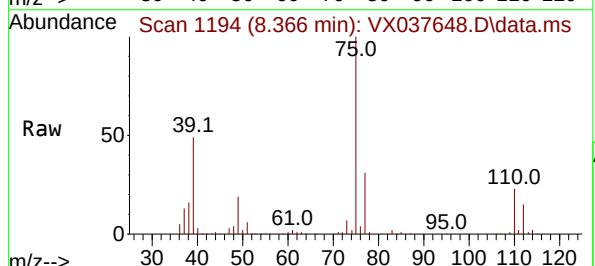
Tgt Ion: 75 Resp: 171068

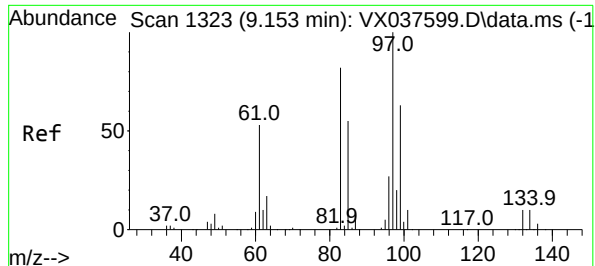
Ion Ratio Lower Upper

75 100

77 31.1 25.3 37.9

39 48.9 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 51.012 ug/l

RT: 9.153 min Scan# 11753

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 11753

Ion Ratio Lower Upper

97 100

83 86.6 65.8 98.8

85 56.3 41.6 62.4

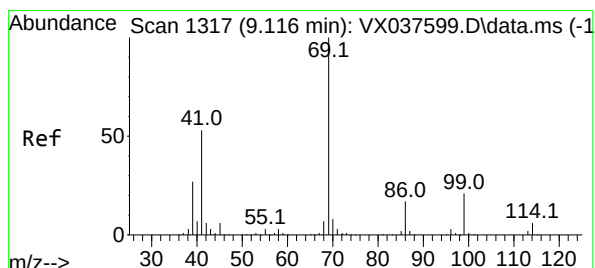
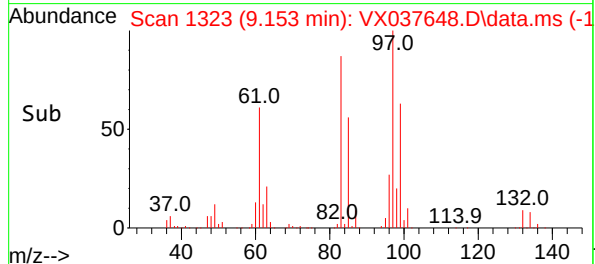
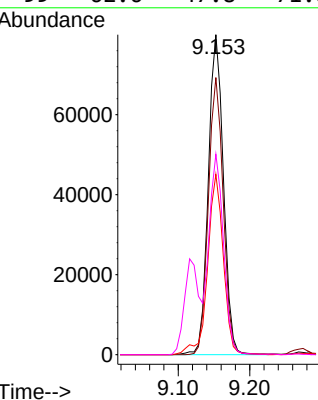
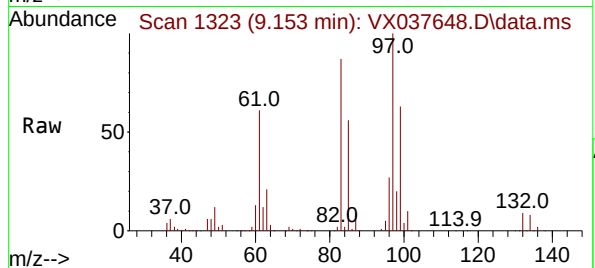
99 62.6 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#56

Ethyl methacrylate

Concen: 52.827 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

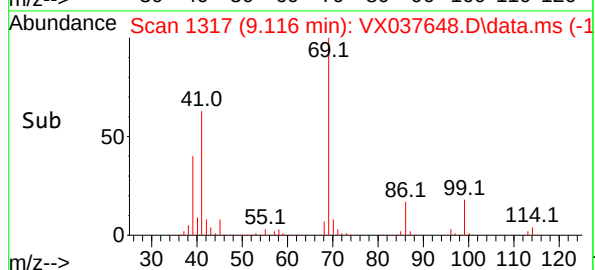
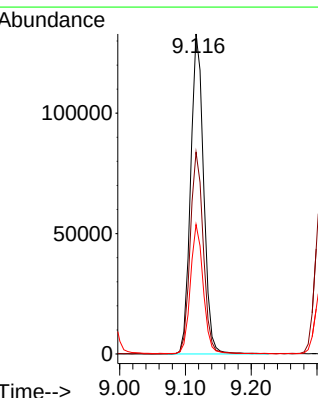
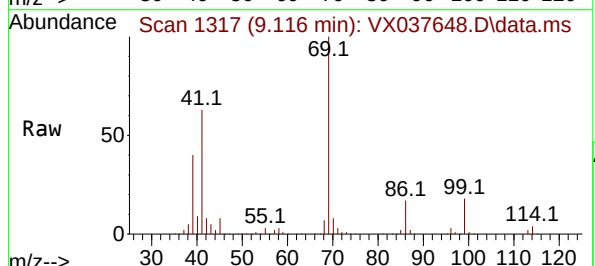
Tgt Ion: 69 Resp: 182911

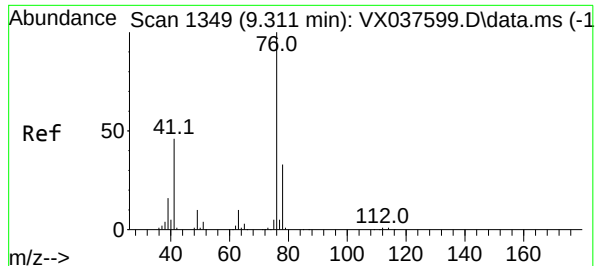
Ion Ratio Lower Upper

69 100

41 63.2 56.8 85.2

39 39.6 32.0 48.0





#57

1,3-Dichloropropane

Concen: 50.002 ug/l

RT: 9.311 min Scan# 1174

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 19178

Ion Ratio Lower Upper

76 100

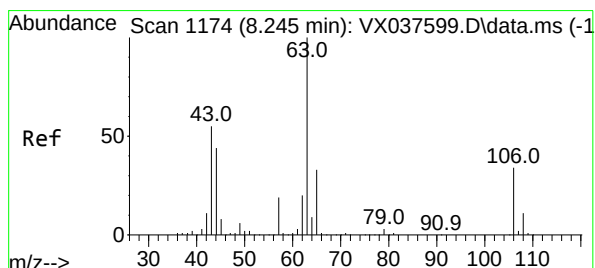
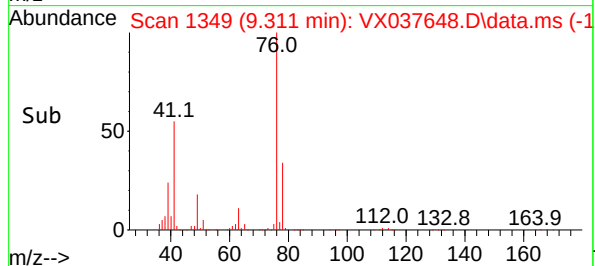
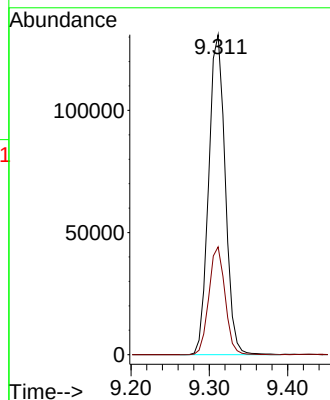
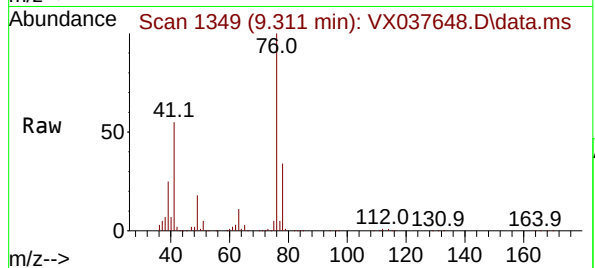
78 33.0 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#58

2-Chloroethyl Vinyl ether

Concen: 248.923 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. -0.000 min

Lab File: VX037648.D

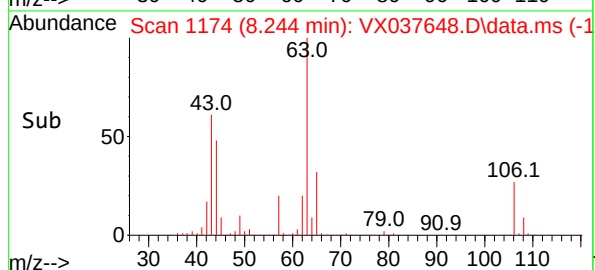
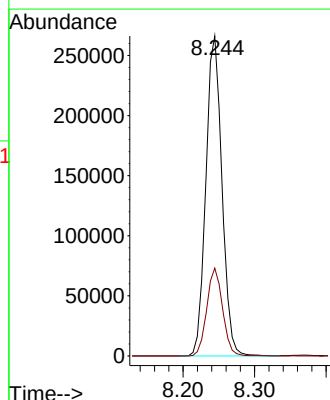
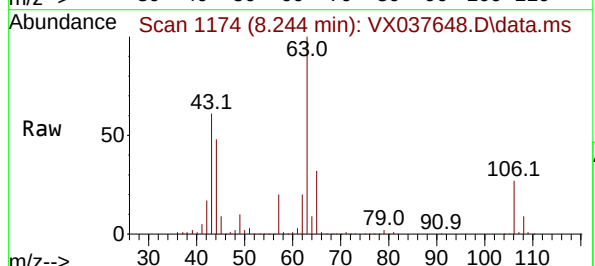
Acq: 11 Sep 2023 18:13

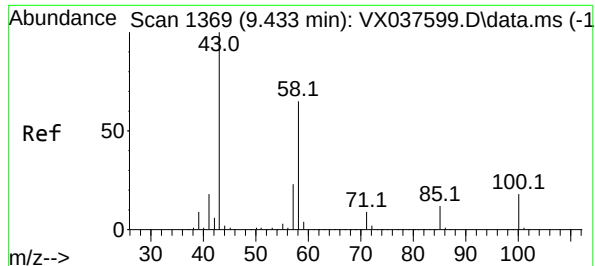
Tgt Ion: 63 Resp: 415989

Ion Ratio Lower Upper

63 100

106 27.0 22.5 33.7





#59

2-Hexanone

Concen: 270.963 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 695730

Ion Ratio Lower Upper

43 100

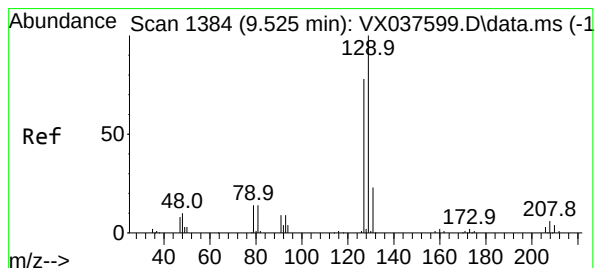
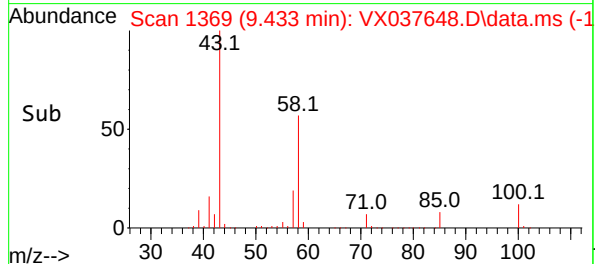
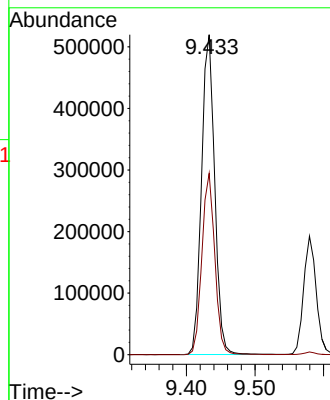
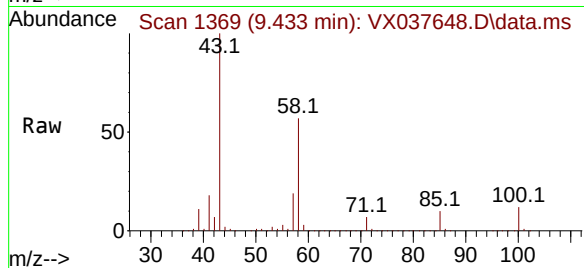
58 55.7 26.2 78.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#60

Dibromochloromethane

Concen: 53.024 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VX037648.D

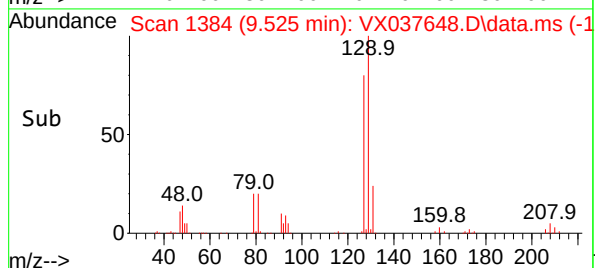
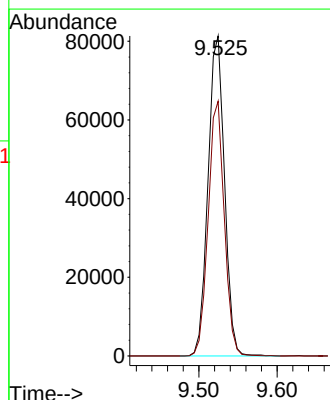
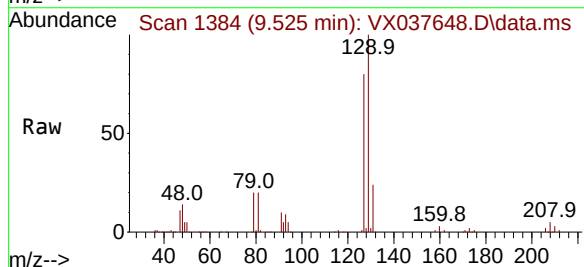
Acq: 11 Sep 2023 18:13

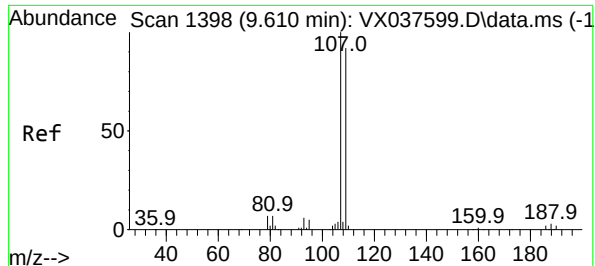
Tgt Ion:129 Resp: 118580

Ion Ratio Lower Upper

129 100

127 78.0 38.8 116.4





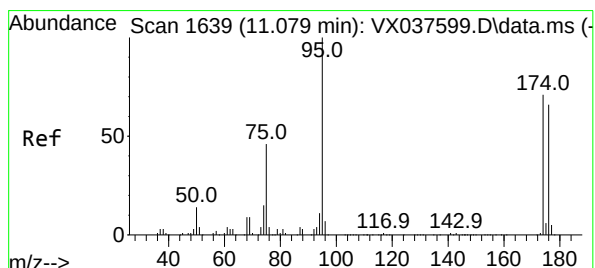
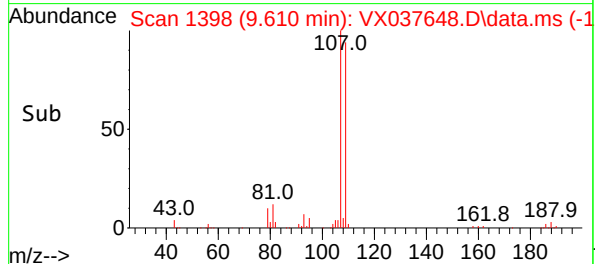
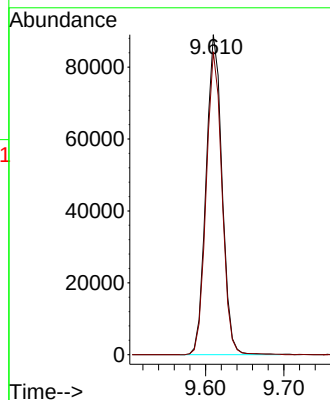
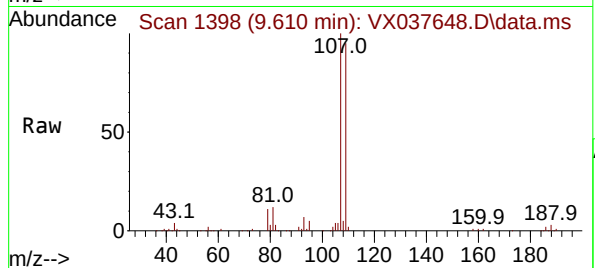
#61
1,2-Dibromoethane
Concen: 51.773 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. -0.000 min
Lab File: VX037648.D
Acq: 11 Sep 2023 18:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 107 Resp: 12578
Ion Ratio Lower Upper
107 100
109 93.3 75.2 112.8

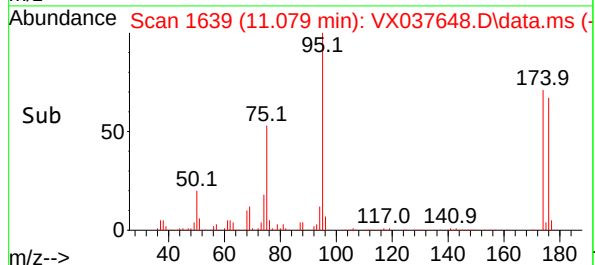
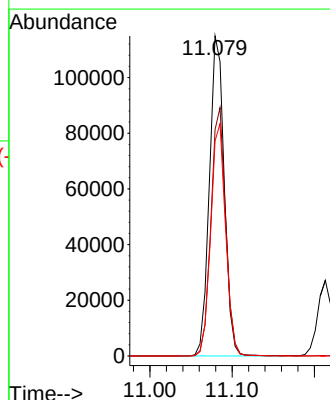
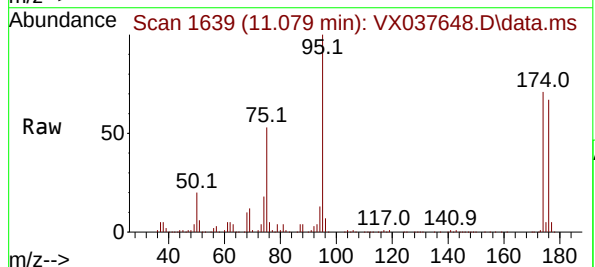
Manual Integrations
APPROVED

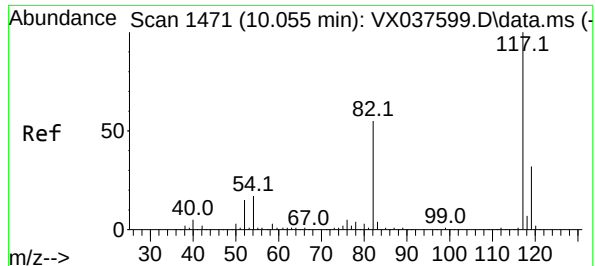
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#62
4-Bromofluorobenzene
Concen: 52.286 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037648.D
Acq: 11 Sep 2023 18:13

Tgt Ion: 95 Resp: 143668
Ion Ratio Lower Upper
95 100
174 77.3 0.0 135.6
176 73.0 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

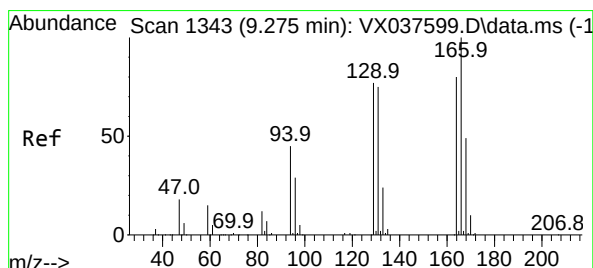
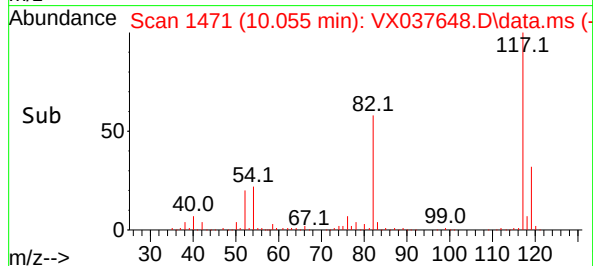
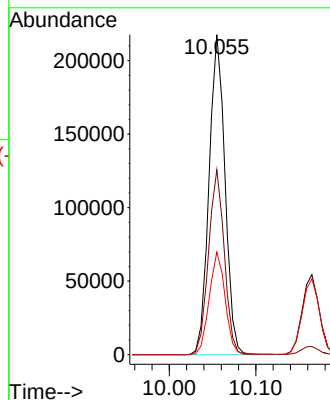
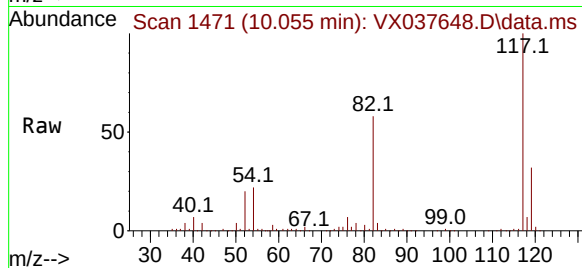
VSTDICCC050

Tgt Ion:117	Resp: 27802
Ion Ratio	Lower Upper
117 100	
82 57.8	46.2 69.4
119 32.0	25.5 38.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#64

Tetrachloroethene

Concen: 48.246 ug/l

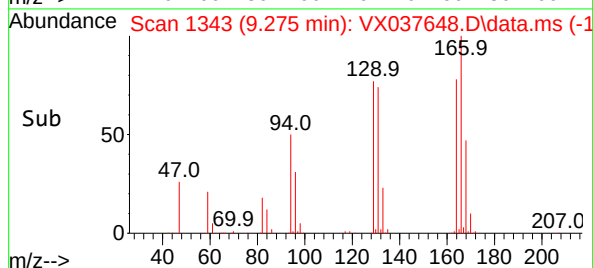
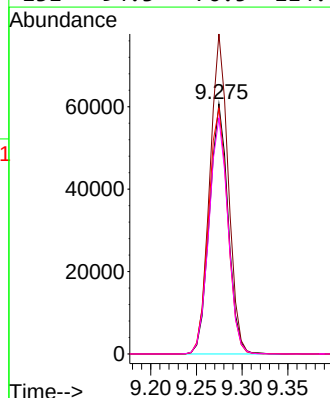
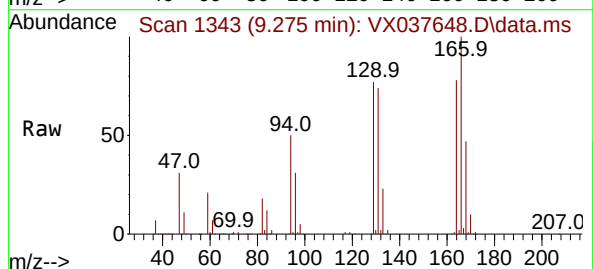
RT: 9.275 min Scan# 1343

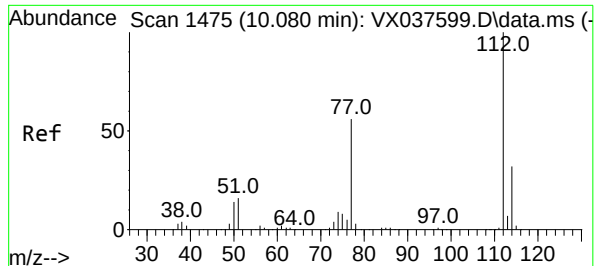
Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Tgt Ion:164	Resp: 85926
Ion Ratio	Lower Upper
164 100	
166 128.0	102.7 154.1
129 98.2	80.4 120.6
131 94.3	76.5 114.7





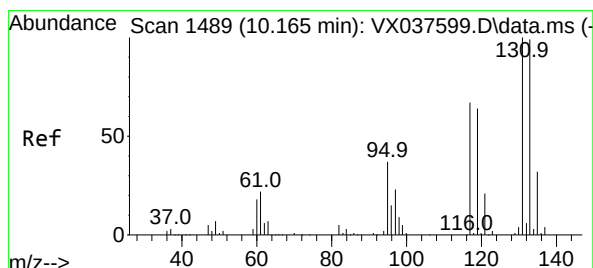
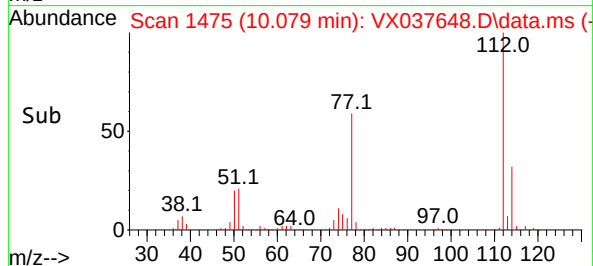
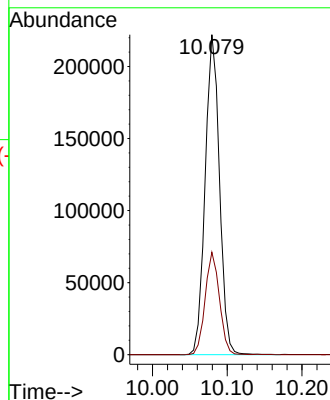
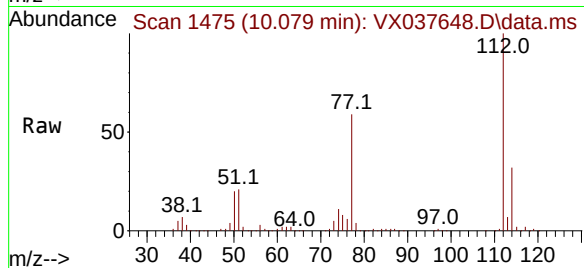
#65
Chlorobenzene
Concen: 49.303 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX037648.D
Acq: 11 Sep 2023 18:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 295508
Ion Ratio Lower Upper
112 100
114 32.0 25.7 38.5

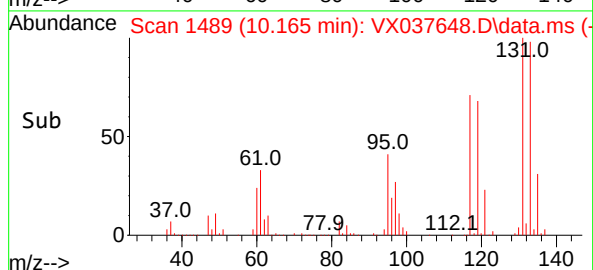
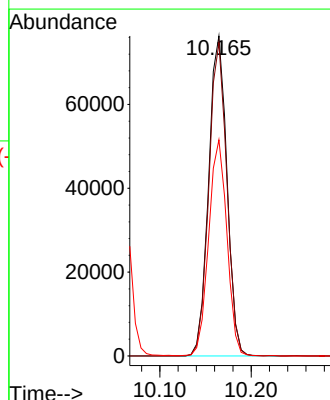
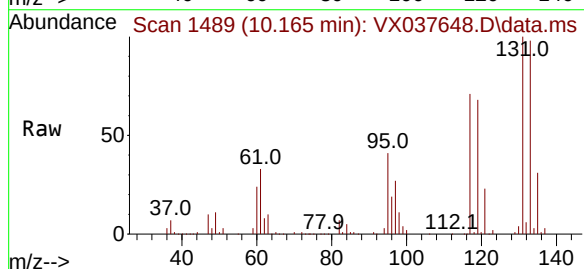
Manual Integrations
APPROVED

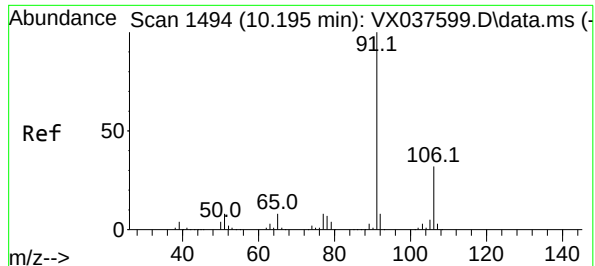
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 50.595 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VX037648.D
Acq: 11 Sep 2023 18:13

Tgt Ion:131 Resp: 105832
Ion Ratio Lower Upper
131 100
133 96.4 47.1 141.4
119 67.3 32.2 96.6





#67

Ethyl Benzene

Concen: 50.454 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 53777

Ion Ratio Lower Upper

91 100

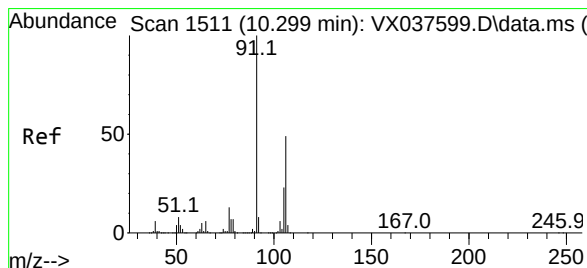
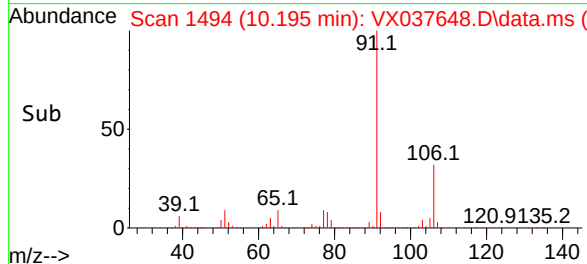
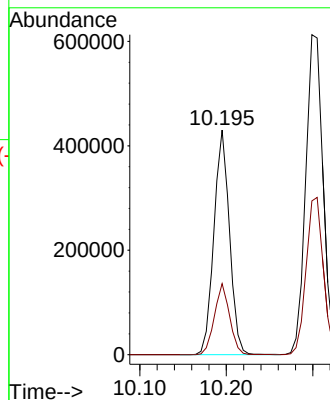
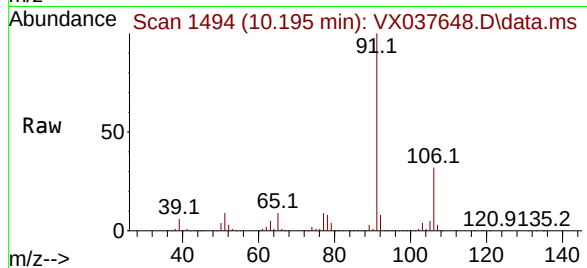
106 31.6 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#68

m/p-Xylenes

Concen: 102.182 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX037648.D

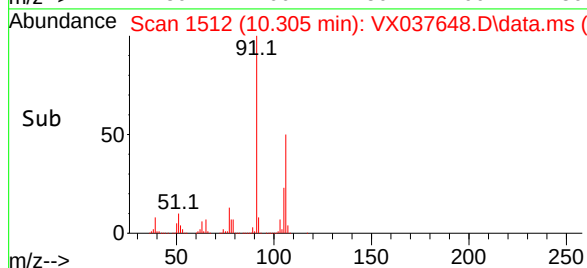
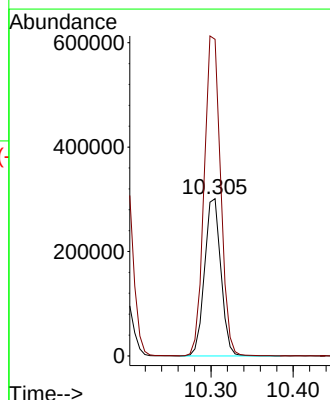
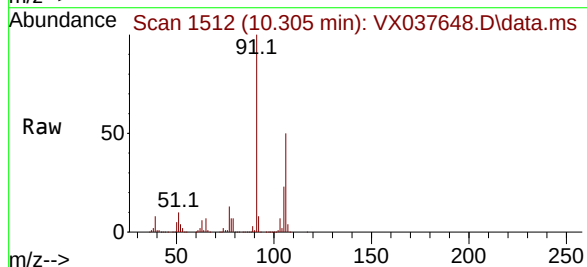
Acq: 11 Sep 2023 18:13

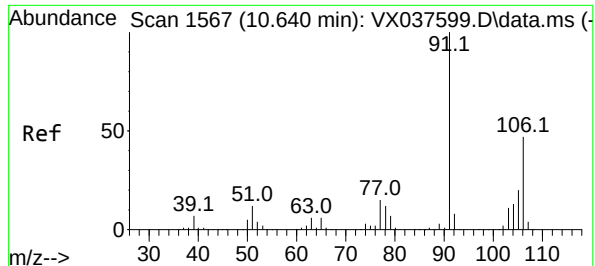
Tgt Ion:106 Resp: 414993

Ion Ratio Lower Upper

106 100

91 205.3 165.5 248.3





#69

o-Xylene

Concen: 50.844 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:106 Resp: 204758

Ion Ratio Lower Upper

106 100

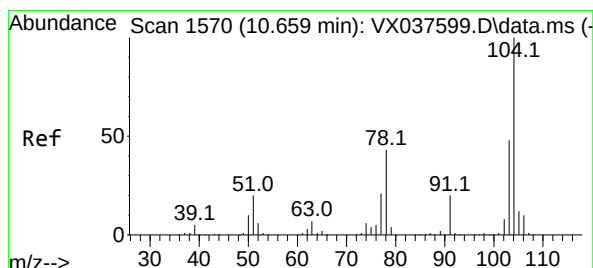
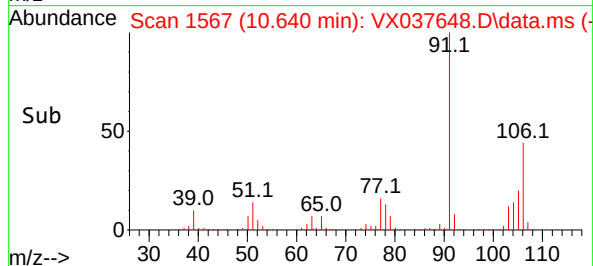
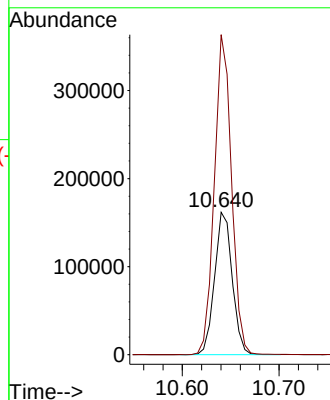
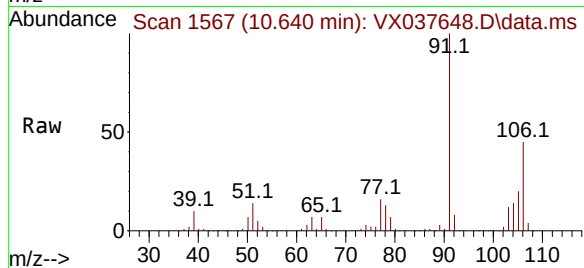
91 218.8 108.9 326.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#70

Styrene

Concen: 52.349 ug/l

RT: 10.658 min Scan# 1570

Delta R.T. -0.001 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

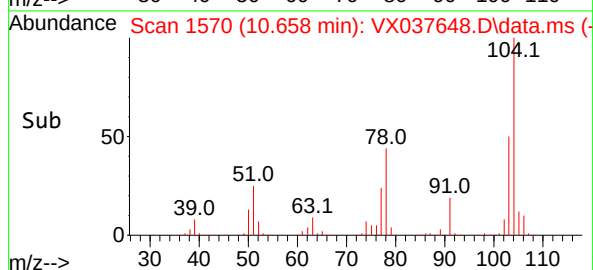
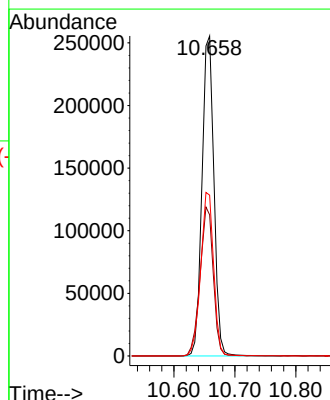
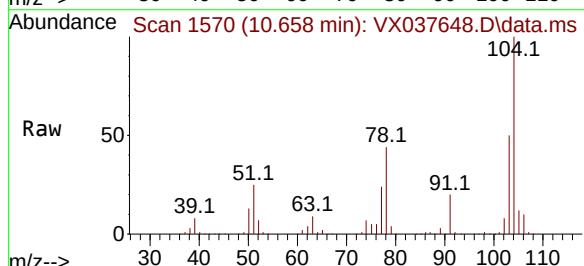
Tgt Ion:104 Resp: 347810

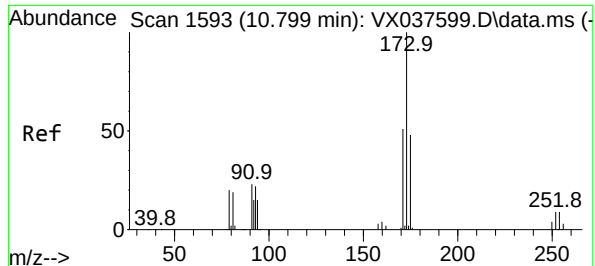
Ion Ratio Lower Upper

104 100

78 51.5 43.6 65.4

103 55.5 43.6 65.4





#71

Bromoform

Concen: 54.654 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

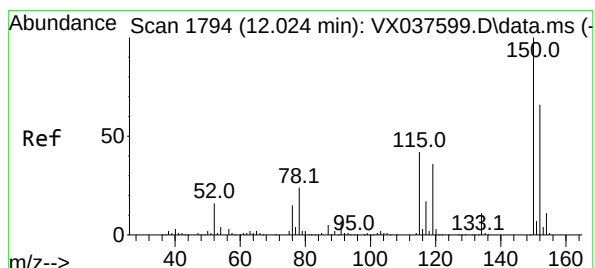
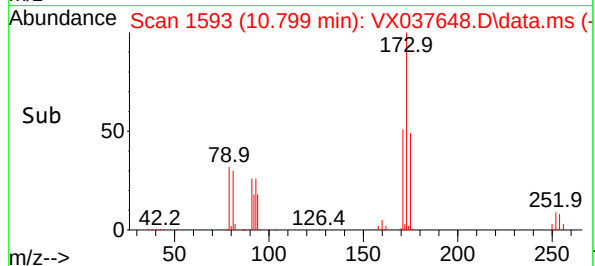
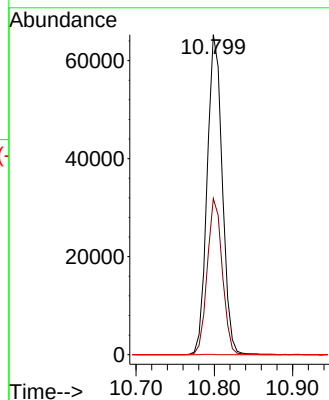
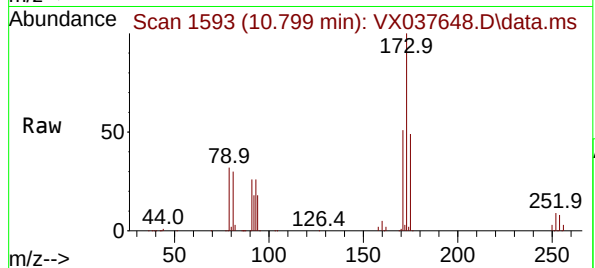
ClientSampleId :

VSTDICCC050

Tgt Ion:173	Resp:	8739
Ion Ratio	Lower	Upper
173	100	
175	48.4	24.1 72.4
254	0.1	0.0 0.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

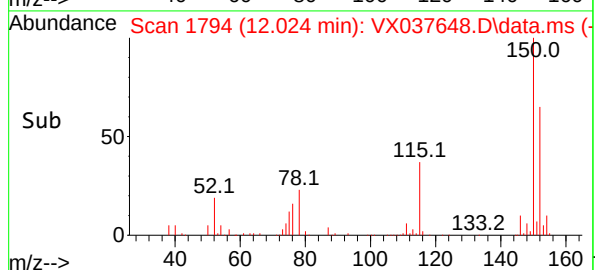
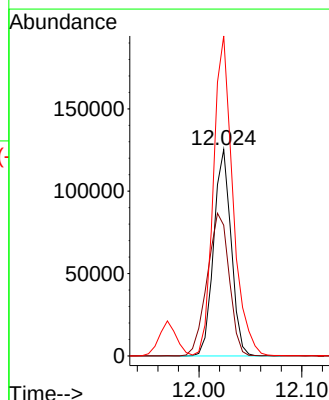
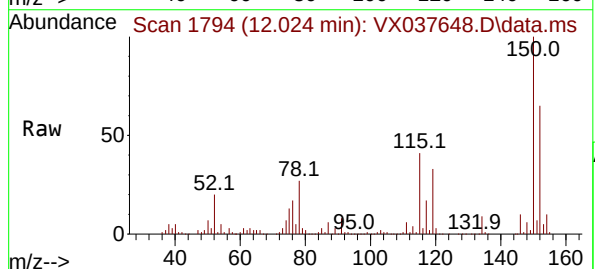
RT: 12.024 min Scan# 1794

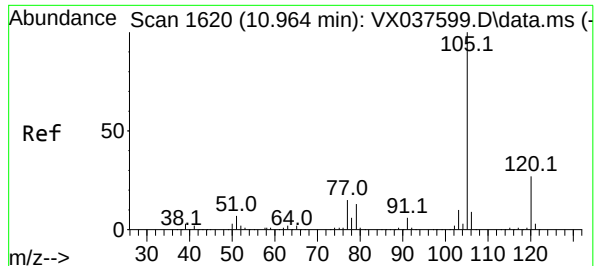
Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Tgt Ion:152	Resp:	147667
Ion Ratio	Lower	Upper
152	100	
115	87.6	43.3 129.9
150	173.2	0.0 345.0





#73

Isopropylbenzene

Concen: 48.428 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:105 Resp: 53816

Ion Ratio Lower Upper

105 100

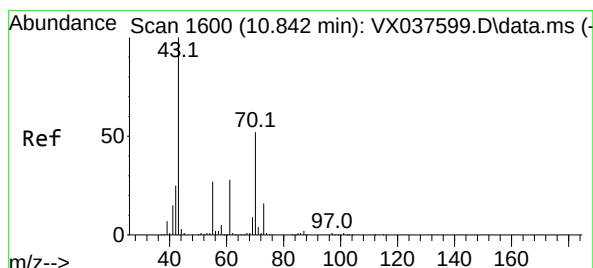
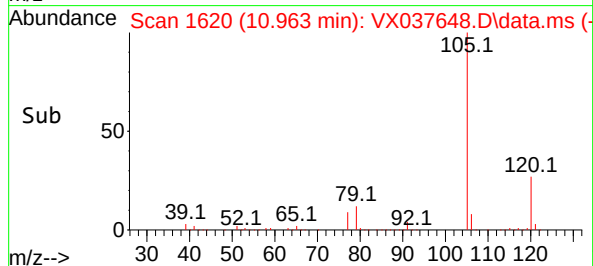
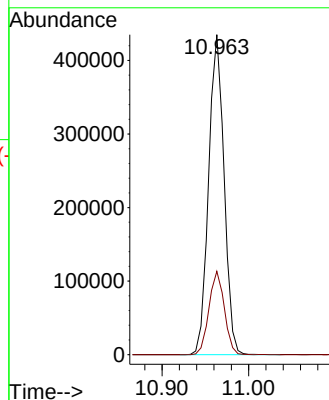
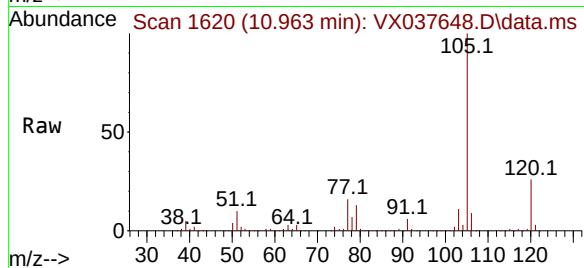
120 26.0 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#74

N-ethyl acetate

Concen: 50.969 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Tgt Ion: 43 Resp: 248991

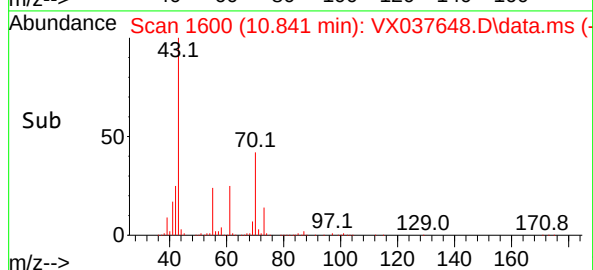
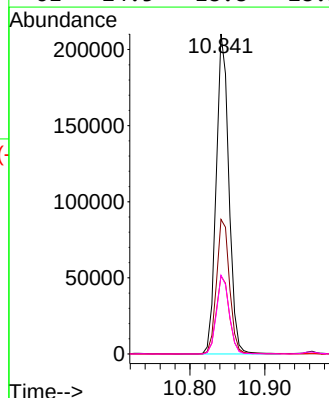
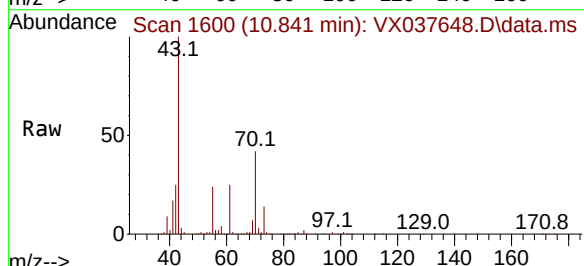
Ion Ratio Lower Upper

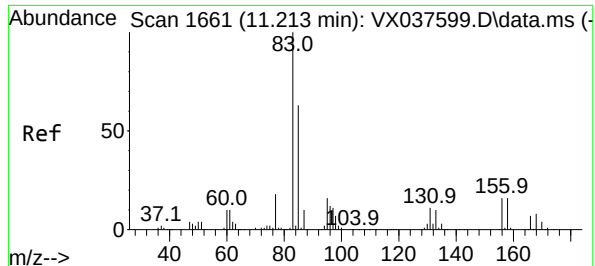
43 100

70 43.1 32.9 49.3

55 24.9 19.3 28.9

61 24.5 18.8 28.2





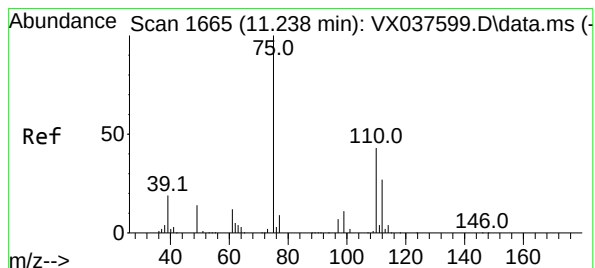
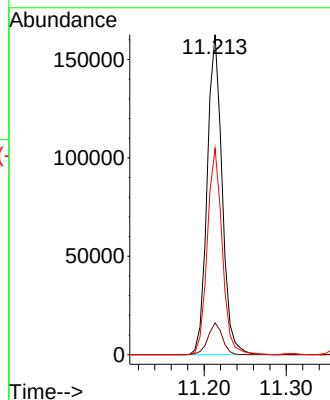
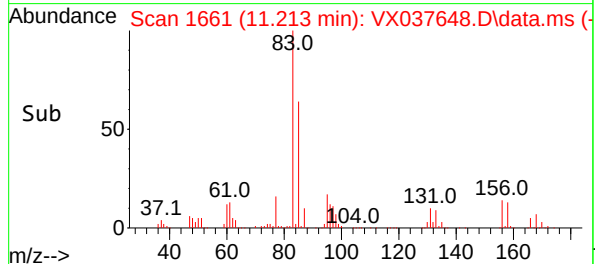
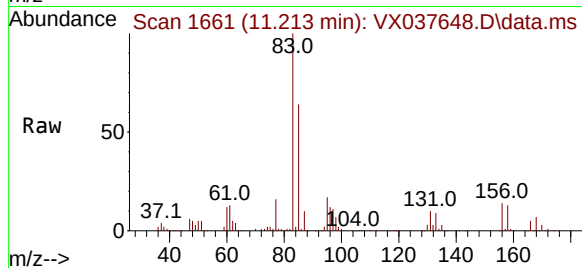
#75
1,1,2,2-Tetrachloroethane
Concen: 48.647 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX037648.D
Acq: 11 Sep 2023 18:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 20496
Ion Ratio Lower Upper
83 100
131 9.6 5.3 15.8
85 64.4 32.0 96.2

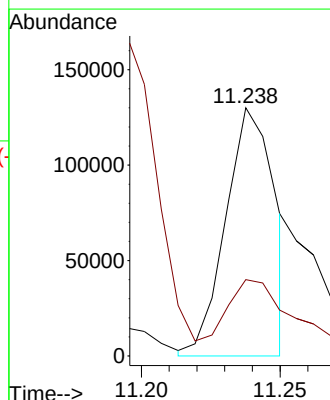
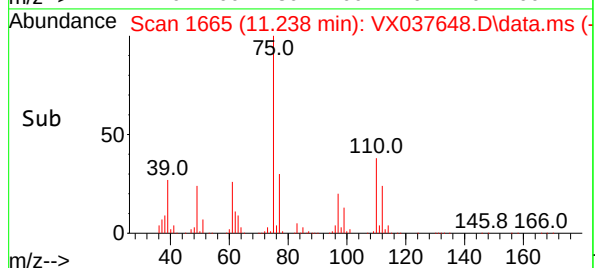
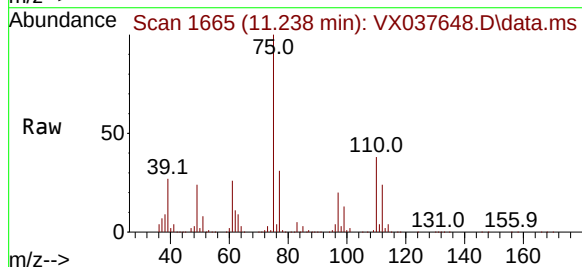
Manual Integrations
APPROVED

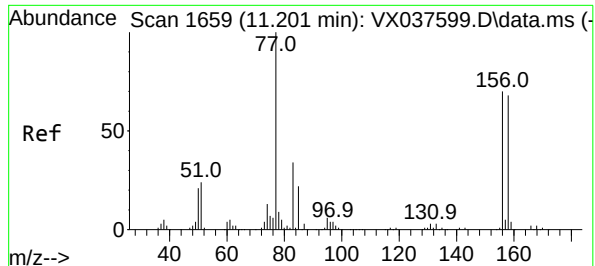
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#76
1,2,3-Trichloropropane
Concen: 48.916 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX037648.D
Acq: 11 Sep 2023 18:13

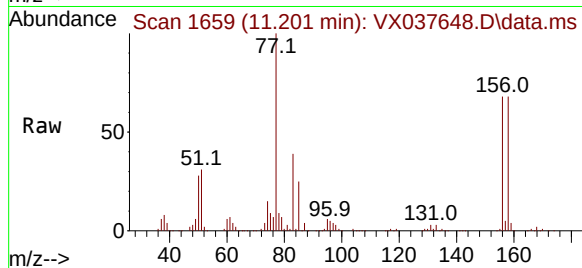
Tgt Ion: 75 Resp: 160365
Ion Ratio Lower Upper
75 100
77 43.6 19.1 57.5





#77
Bromobenzene
Concen: 48.232 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. -0.000 min
Lab File: VX037648.D
Acq: 11 Sep 2023 18:13

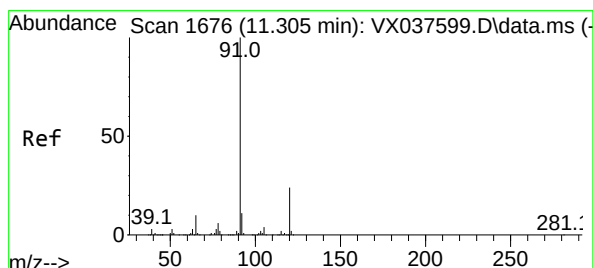
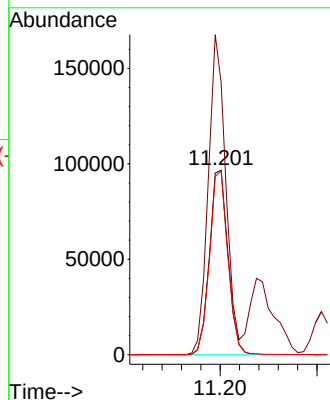
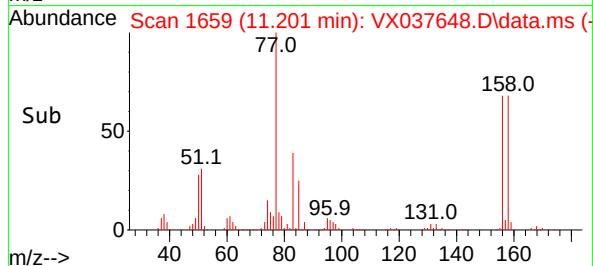
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



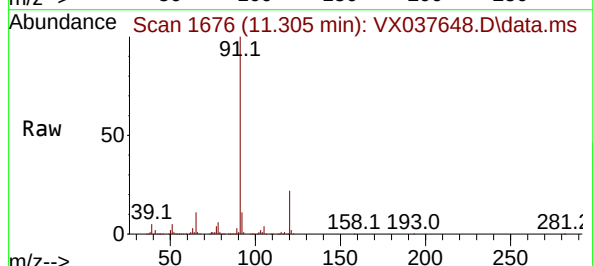
Tgt Ion:156 Resp: 128634
Ion Ratio Lower Upper
156 100
77 163.3 88.4 265.3
158 98.3 48.0 144.0

Manual Integrations
APPROVED

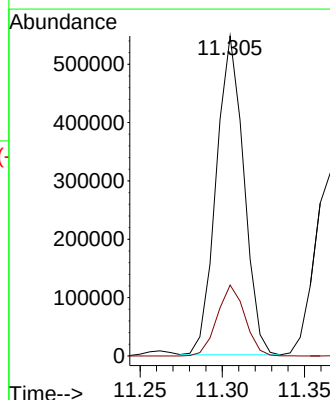
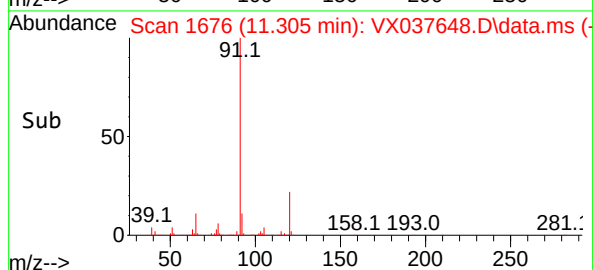
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

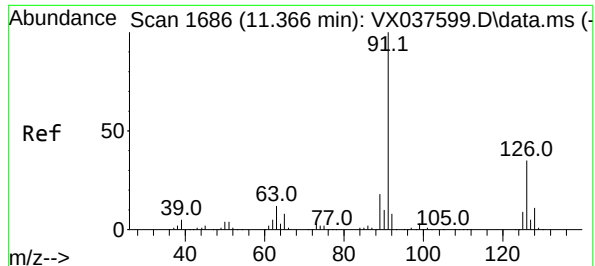


#78
n-propylbenzene
Concen: 49.751 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX037648.D
Acq: 11 Sep 2023 18:13



Tgt Ion: 91 Resp: 638099
Ion Ratio Lower Upper
91 100
120 22.3 11.5 34.4





#79

2-Chlorotoluene

Concen: 48.584 ug/l

RT: 11.366 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 38321

Ion Ratio Lower Upper

91 100

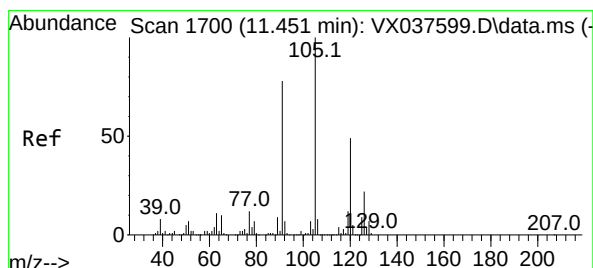
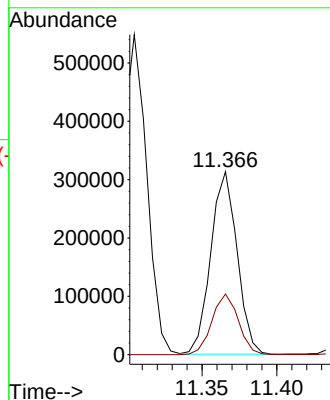
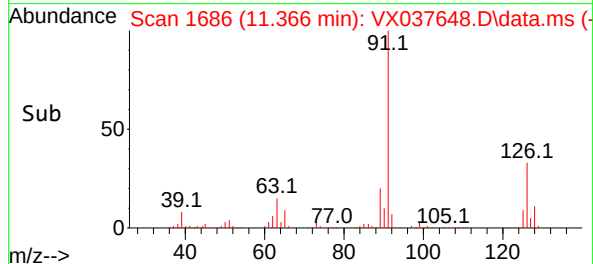
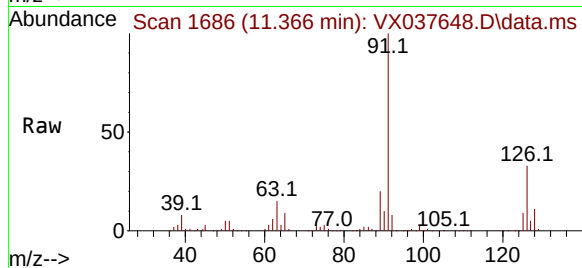
126 33.2 16.3 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#80

1,3,5-Trimethylbenzene

Concen: 49.765 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX037648.D

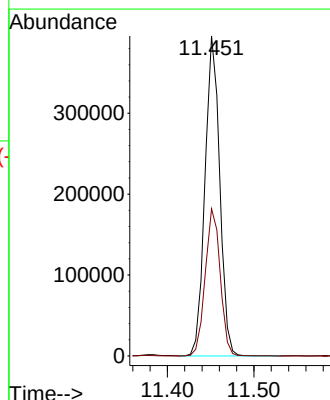
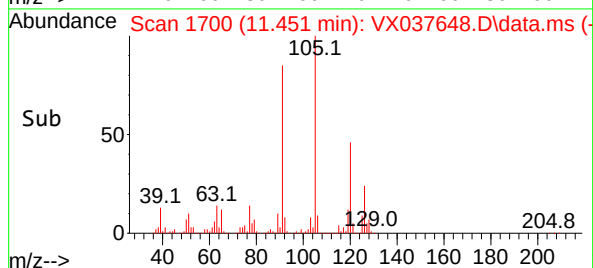
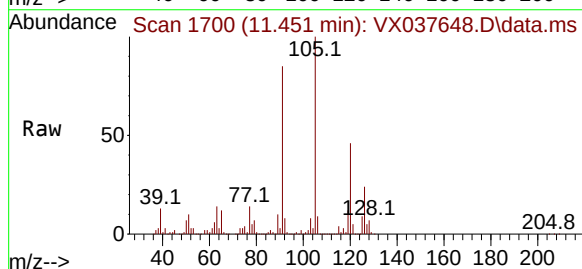
Acq: 11 Sep 2023 18:13

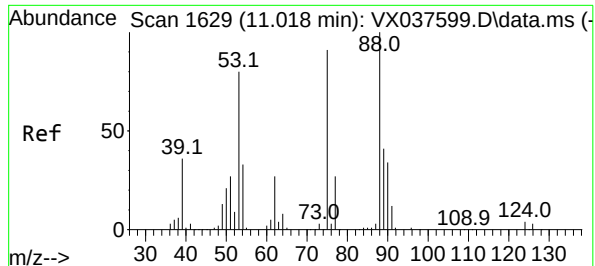
Tgt Ion:105 Resp: 467167

Ion Ratio Lower Upper

105 100

120 46.8 24.1 72.3





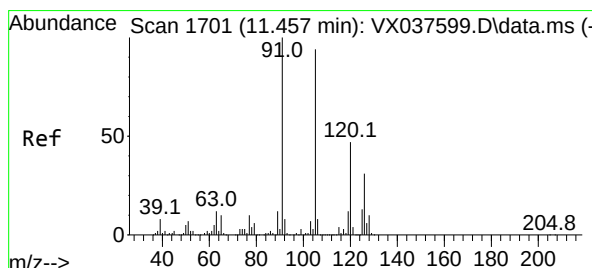
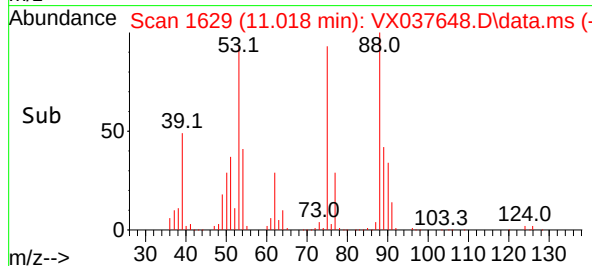
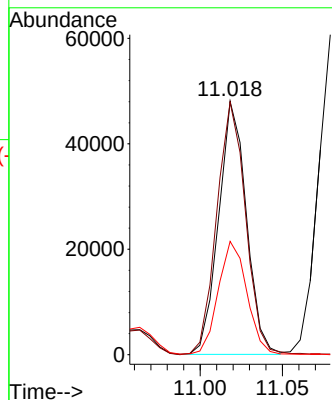
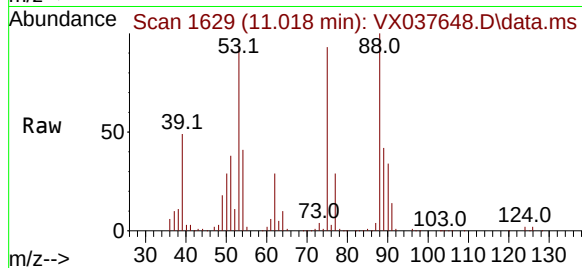
#81
trans-1,4-Dichloro-2-butene
Concen: 52.737 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX037648.D
Acq: 11 Sep 2023 18:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 5632
Ion Ratio Lower Upper
75 100
53 103.9 90.5 135.7
89 46.5 36.9 55.3

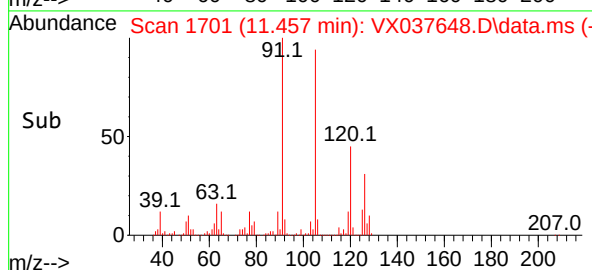
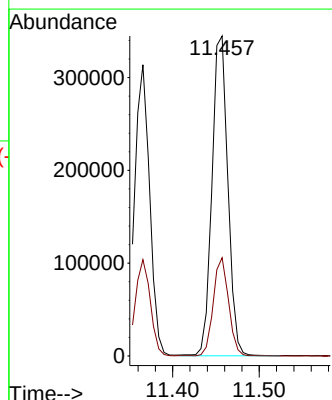
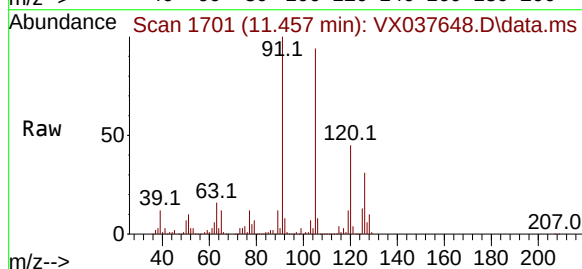
Manual Integrations
APPROVED

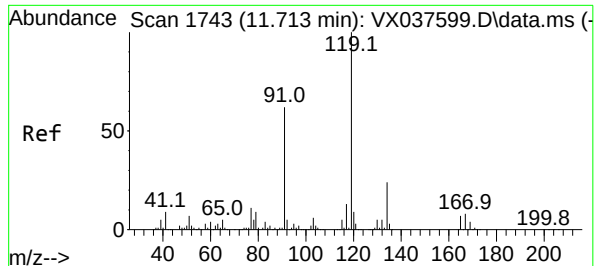
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#82
4-Chlorotoluene
Concen: 48.927 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VX037648.D
Acq: 11 Sep 2023 18:13

Tgt Ion: 91 Resp: 439232
Ion Ratio Lower Upper
91 100
126 29.7 14.2 42.6





#83

tert-Butylbenzene

Concen: 50.307 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:119 Resp: 47088

Ion Ratio Lower Upper

119 100

91 58.5 31.2 93.6

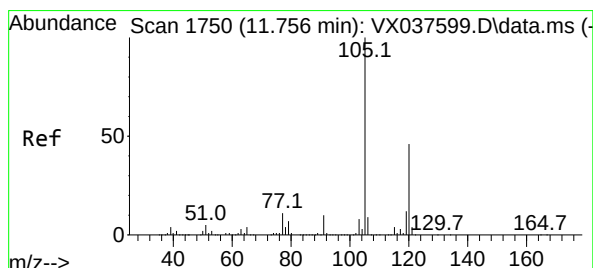
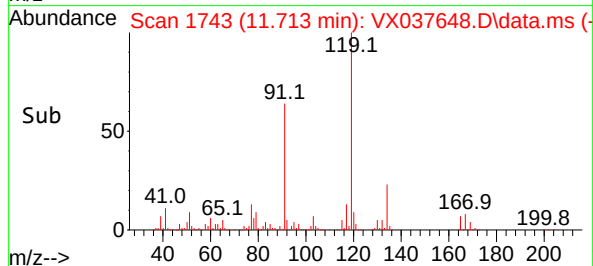
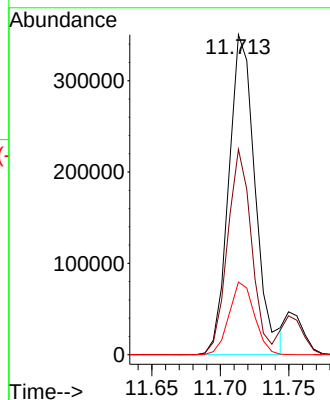
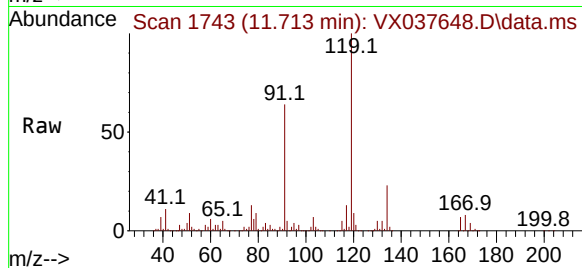
134 21.8 11.7 35.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#84

1,2,4-Trimethylbenzene

Concen: 50.300 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.006 min

Lab File: VX037648.D

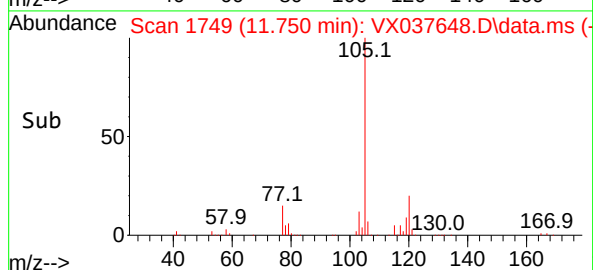
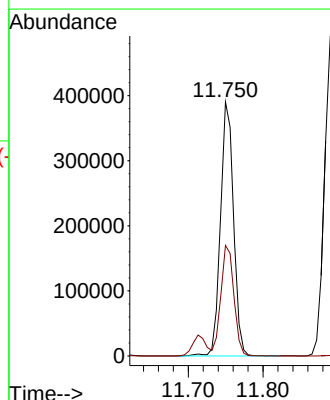
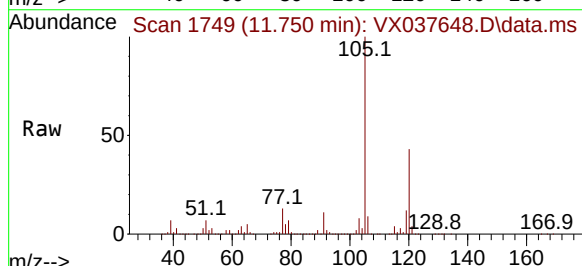
Acq: 11 Sep 2023 18:13

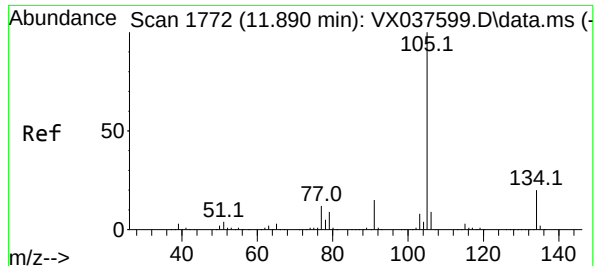
Tgt Ion:105 Resp: 474251

Ion Ratio Lower Upper

105 100

120 43.4 21.2 63.6





#85

sec-Butylbenzene

Concen: 50.402 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:105 Resp: 584740

Ion Ratio Lower Upper

105 100

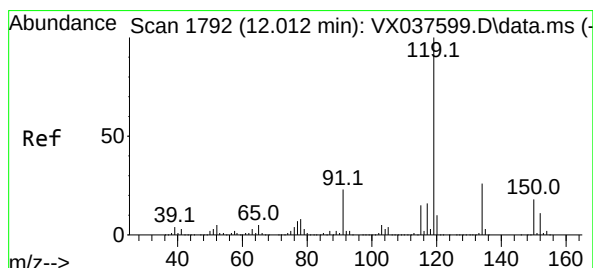
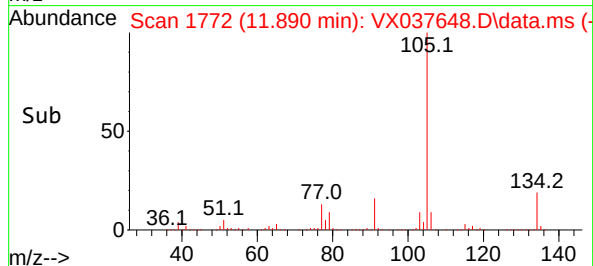
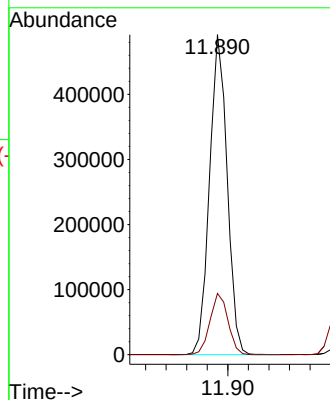
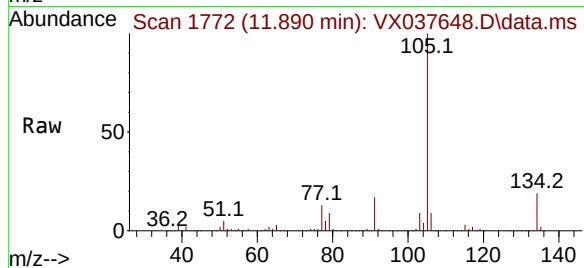
134 19.5 9.8 29.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#86

p-Isopropyltoluene

Concen: 50.886 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

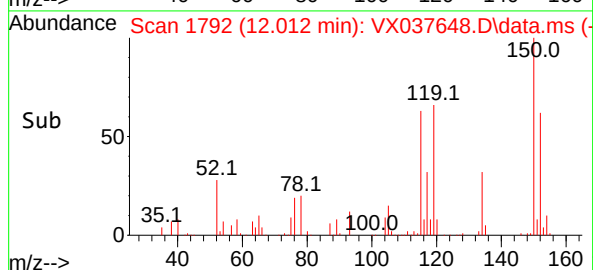
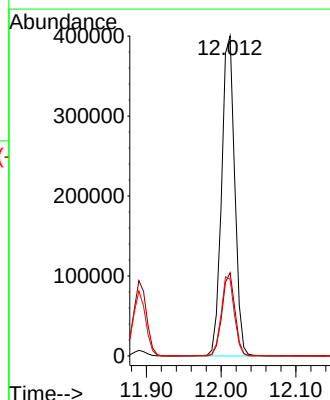
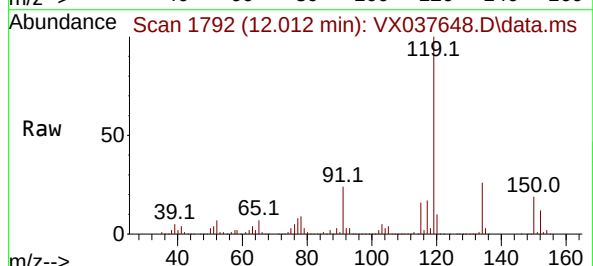
Tgt Ion:119 Resp: 486143

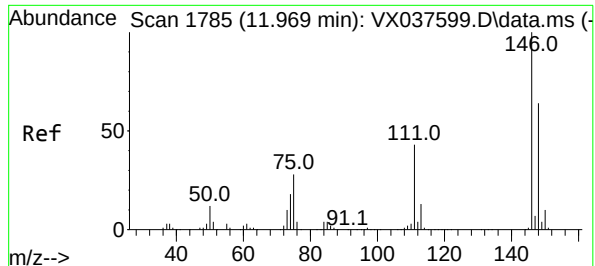
Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.3

91 24.9 13.1 39.3





#87

1,3-Dichlorobenzene

Concen: 48.797 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 247264

Ion Ratio Lower Upper

146 100

111 42.1 22.1 66.1

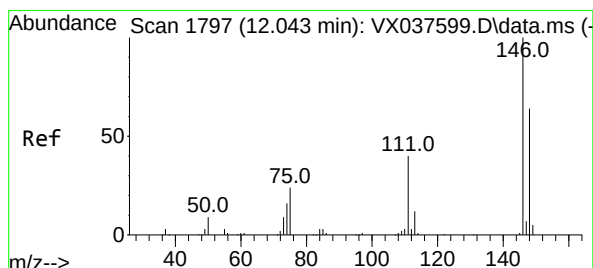
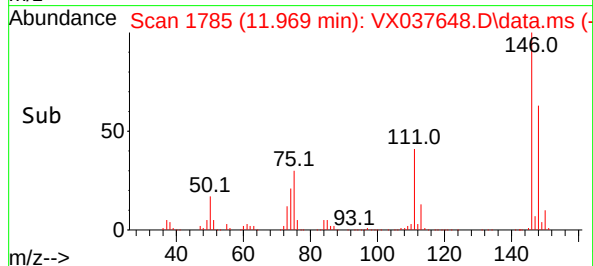
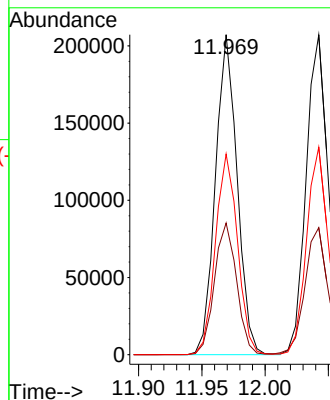
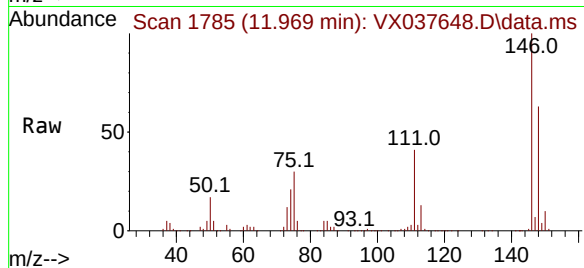
148 63.8 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#88

1,4-Dichlorobenzene

Concen: 48.244 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

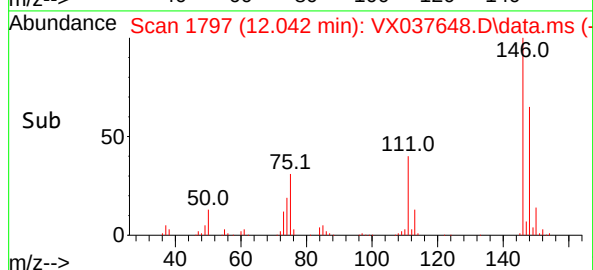
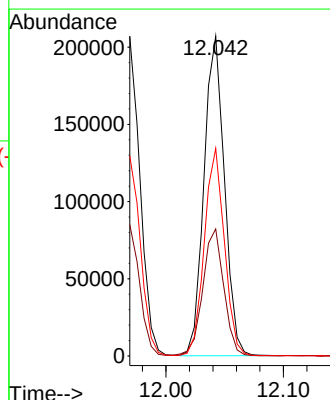
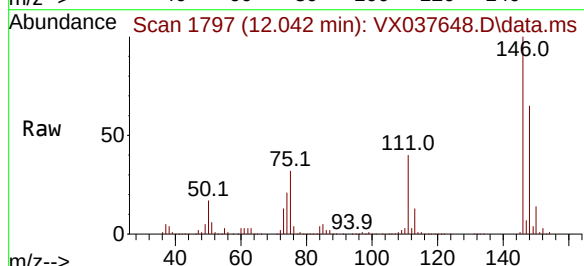
Tgt Ion:146 Resp: 250169

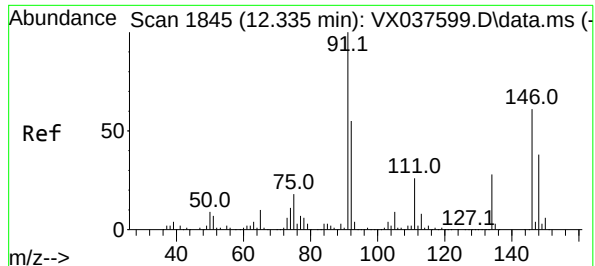
Ion Ratio Lower Upper

146 100

111 40.8 21.3 63.7

148 64.1 31.8 95.4





#89

n-Butylbenzene

Concen: 51.726 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 442369

Ion Ratio Lower Upper

91 100

92 52.0 27.4 82.0

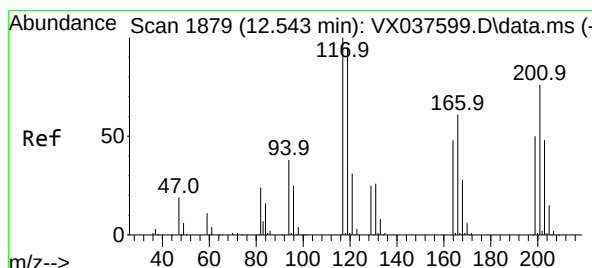
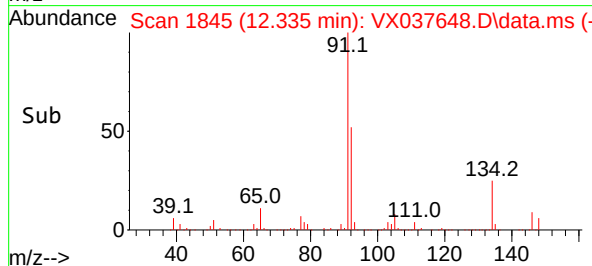
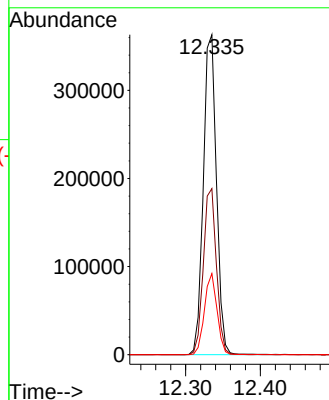
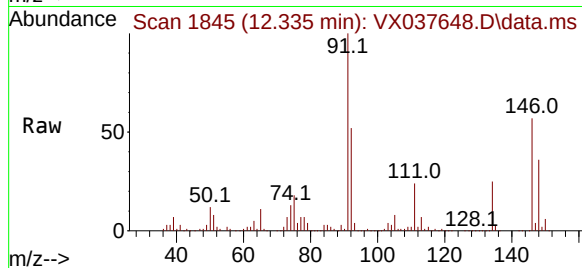
134 24.4 12.6 37.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#90

Hexachloroethane

Concen: 51.756 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.006 min

Lab File: VX037648.D

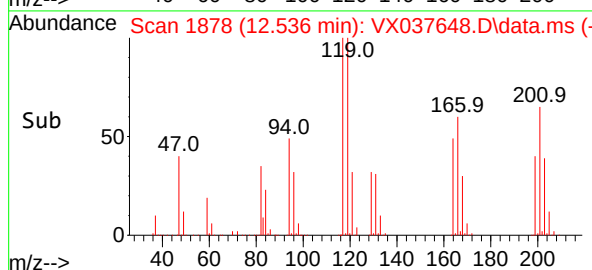
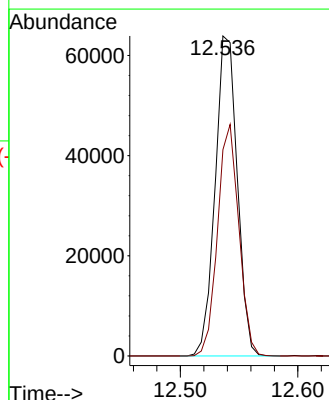
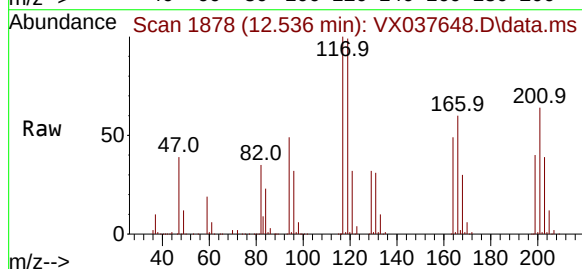
Acq: 11 Sep 2023 18:13

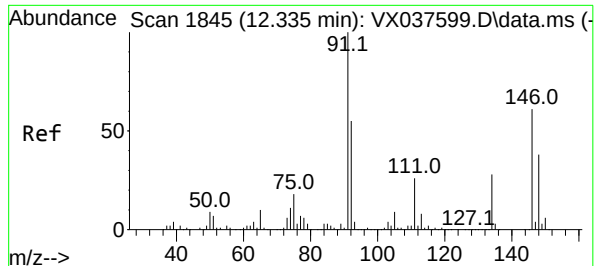
Tgt Ion:117 Resp: 83595

Ion Ratio Lower Upper

117 100

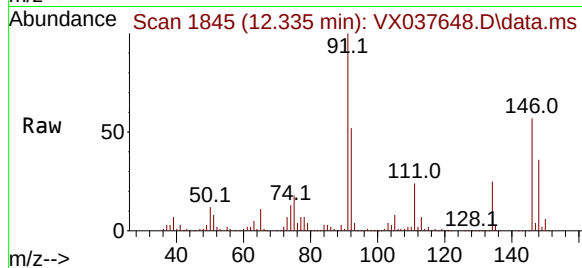
201 69.7 32.9 98.6





#91
1,2-Dichlorobenzene
Concen: 48.921 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX037648.D
Acq: 11 Sep 2023 18:13

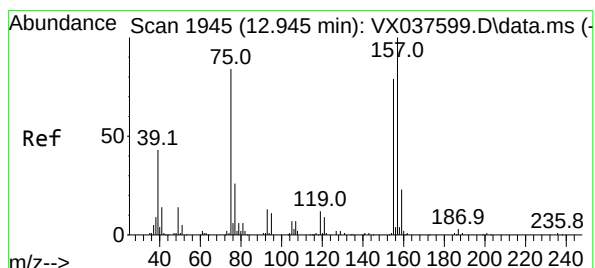
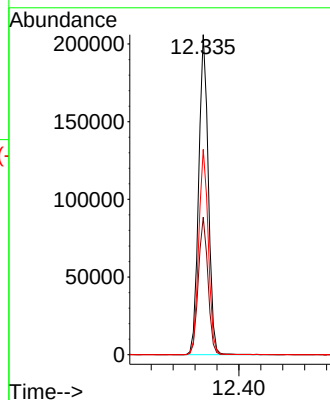
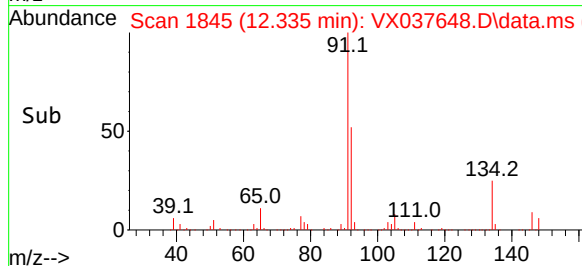
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



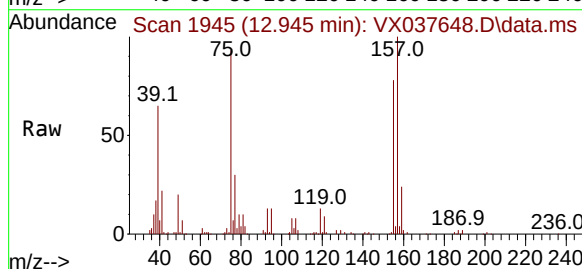
Tgt Ion:146 Resp: 252080
Ion Ratio Lower Upper
146 100
111 43.0 22.4 67.0
148 63.9 31.6 95.0

Manual Integrations
APPROVED

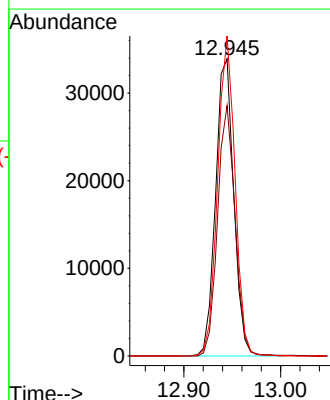
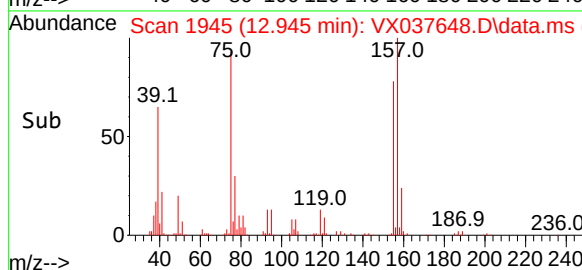
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

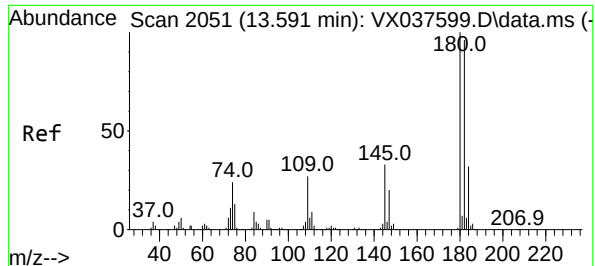


#92
1,2-Dibromo-3-Chloropropane
Concen: 49.955 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX037648.D
Acq: 11 Sep 2023 18:13



Tgt Ion: 75 Resp: 44206
Ion Ratio Lower Upper
75 100
155 81.1 36.1 108.5
157 103.1 44.9 134.7





#93

1,2,4-Trichlorobenzene

Concen: 49.228 ug/l

RT: 13.585 min Scan# 2051

Delta R.T. -0.006 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

Instrument :

MSVOA_X

ClientSampleId :

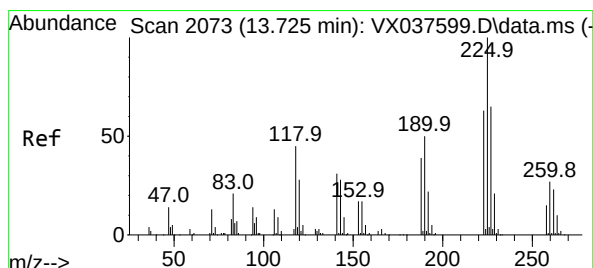
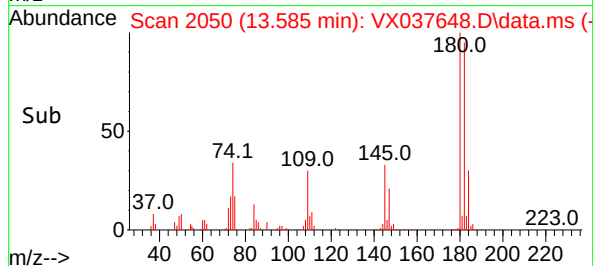
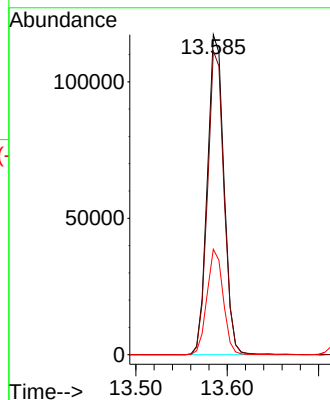
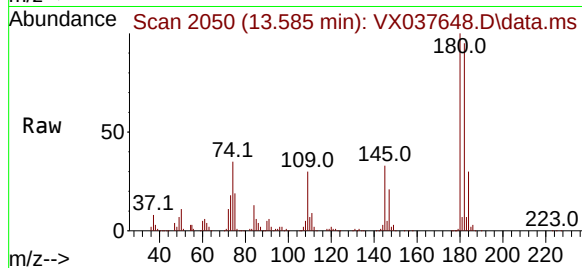
VSTDICCC050

Tgt Ion:180	Resp:	14733
Ion Ratio	Lower	Upper
180	100	
182	93.9	48.3 144.8
145	32.2	18.0 54.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#94

Hexachlorobutadiene

Concen: 48.861 ug/l

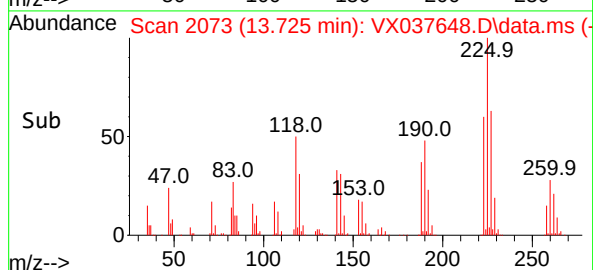
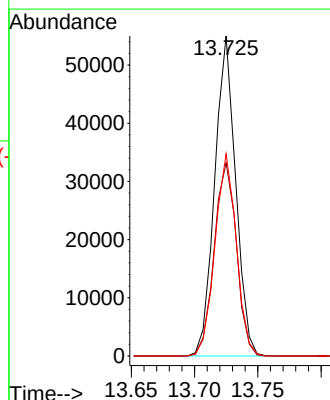
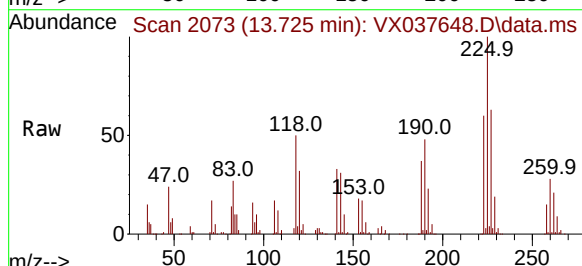
RT: 13.725 min Scan# 2073

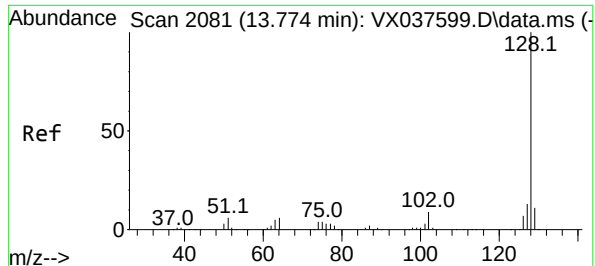
Delta R.T. -0.000 min

Lab File: VX037648.D

Acq: 11 Sep 2023 18:13

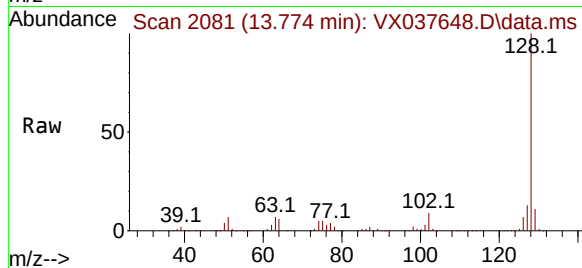
Tgt Ion:225	Resp:	63379
Ion Ratio	Lower	Upper
225	100	
223	63.7	31.1 93.2
227	64.1	32.5 97.5





#95
Naphthalene
Concen: 51.274 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX037648.D
Acq: 11 Sep 2023 18:13

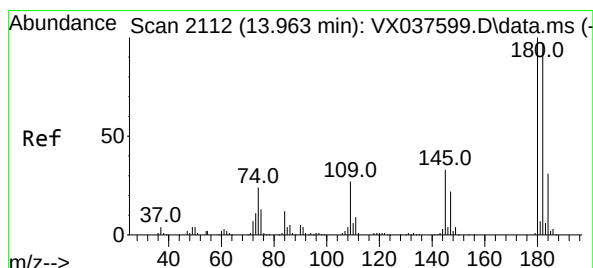
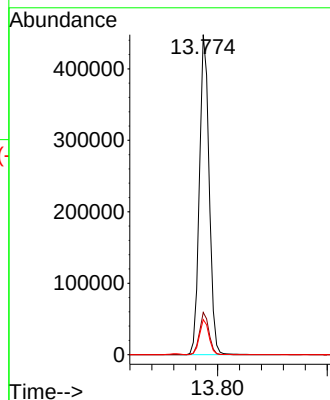
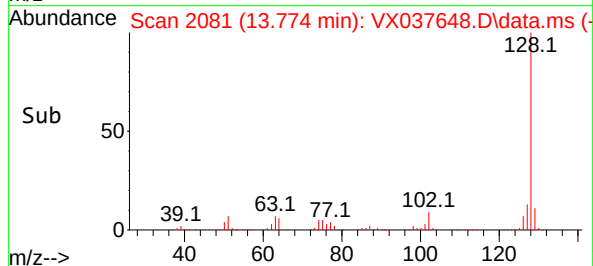
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:128 Resp: 55549
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.7 8.8 13.2

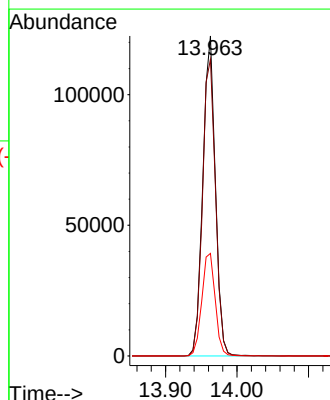
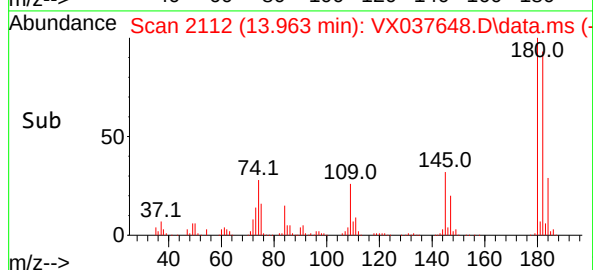
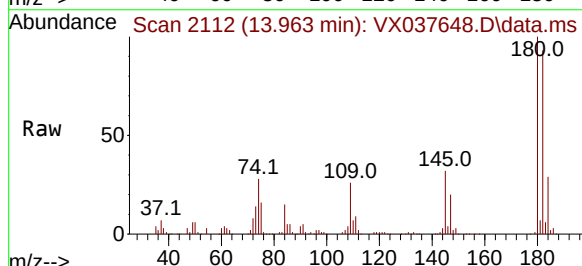
Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#96
1,2,3-Trichlorobenzene
Concen: 48.286 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX037648.D
Acq: 11 Sep 2023 18:13

Tgt Ion:180 Resp: 149027
Ion Ratio Lower Upper
180 100
182 96.1 46.9 140.6
145 34.2 17.8 53.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091123\
 Data File : VX037649.D
 Acq On : 11 Sep 2023 18:37
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Sep 12 08:53:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 08:46:29 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/12/2023
 Supervised By : Mahesh Dadoda 09/12/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.549	168	177830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	318262	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	305671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	155309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	286167	99.462	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 198.920%#			
35) Dibromofluoromethane	5.391	113	231221	102.497	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 205.000%#			
50) Toluene-d8	8.652	98	861985	101.316	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 202.640%#			
62) 4-Bromofluorobenzene	11.079	95	309187	100.731	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 201.460%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	178475	93.869	ug/l	98
3) Chloromethane	1.300	50	188819	84.673	ug/l	97
4) Vinyl Chloride	1.373	62	222158	90.522	ug/l	99
5) Bromomethane	1.599	94	199203	95.606	ug/l	100
6) Chloroethane	1.672	64	156630	93.625	ug/l	98
7) Trichlorofluoromethane	1.879	101	392063	95.590	ug/l	100
8) Diethyl Ether	2.135	74	161010	95.723	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.324	101	172690	93.800	ug/l	99
10) Methyl Iodide	2.446	142	218576	99.877	ug/l	95
11) Tert butyl alcohol	2.977	59	286119	490.864	ug/l #	91
12) 1,1-Dichloroethene	2.312	96	171877	95.033	ug/l	90
13) Acrolein	2.239	56	221627	473.049	ug/l	100
14) Allyl chloride	2.660	41	312377	97.062	ug/l #	96
15) Acrylonitrile	3.068	53	641198	473.871	ug/l	99
16) Acetone	2.385	43	530976	446.431	ug/l	91
17) Carbon Disulfide	2.507	76	439395	94.246	ug/l	100
18) Methyl Acetate	2.702	43	479677	96.227	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	730737	100.087	ug/l	99
20) Methylene Chloride	2.788	84	222452	100.183	ug/l	92
21) trans-1,2-Dichloroethene	3.086	96	207831	96.904	ug/l	93
22) Diisopropyl ether	3.763	45	705674	100.459	ug/l	86
23) Vinyl Acetate	3.727	43	2692003	522.337	ug/l	96
24) 1,1-Dichloroethane	3.611	63	401347	97.661	ug/l	99
25) 2-Butanone	4.562	43	903665	473.214	ug/l	92
26) 2,2-Dichloropropane	4.476	77	295537	103.860	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	256162	99.881	ug/l	92
28) Bromochloromethane	4.897	49	197703	94.874	ug/l	89
29) Tetrahydrofuran	5.007	42	604684	492.334	ug/l	91
30) Chloroform	5.098	83	442978	99.419	ug/l	99
31) Cyclohexane	5.470	56	323305	97.584	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	380676	101.718	ug/l	99
36) 1,1-Dichloropropene	5.690	75	300052	96.452	ug/l	98
37) Ethyl Acetate	4.714	43	362205	100.802	ug/l	98
38) Carbon Tetrachloride	5.677	117	317468	102.179	ug/l	97
39) Methylcyclohexane	7.378	83	360703	98.580	ug/l	96
40) Benzene	6.037	78	935586	98.907	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091123\
 Data File : VX037649.D
 Acq On : 11 Sep 2023 18:37
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Sep 12 08:53:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 08:46:29 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 09/12/2023
 Supervised By :Mahesh Dadoda 09/12/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.921	41	191666	100.555	ug/l	91
42) 1,2-Dichloroethane	6.086	62	358210	97.725	ug/l	98
43) Isopropyl Acetate	6.342	43	581876	102.598	ug/l	97
44) Trichloroethene	7.128	130	232053	100.514	ug/l	99
45) 1,2-Dichloropropane	7.433	63	246837	99.448	ug/l	98
46) Dibromomethane	7.579	93	181154	100.038	ug/l	98
47) Bromodichloromethane	7.823	83	349120	107.567	ug/l	97
48) Methyl methacrylate	7.695	41	278881	100.684	ug/l	88
49) 1,4-Dioxane	7.665	88	129273	1873.758	ug/l #	89
51) 4-Methyl-2-Pentanone	8.579	43	1804359	482.530	ug/l	95
52) Toluene	8.720	92	601183	100.442	ug/l	94
53) t-1,3-Dichloropropene	8.982	75	374480	114.373	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	395587	110.572	ug/l	92
55) 1,1,2-Trichloroethane	9.152	97	256389	99.619	ug/l	94
56) Ethyl methacrylate	9.116	69	406472	105.091	ug/l	93
57) 1,3-Dichloropropane	9.311	76	419529	97.920	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	1000781	536.096	ug/l	99
59) 2-Hexanone	9.433	43	1400028	488.117	ug/l	93
60) Dibromochloromethane	9.524	129	274331	109.814	ug/l	99
61) 1,2-Dibromoethane	9.610	107	277694	102.322	ug/l	99
64) Tetrachloroethene	9.274	164	194572	99.369	ug/l	99
65) Chlorobenzene	10.079	112	640548	97.205	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.164	131	242071	105.260	ug/l	98
67) Ethyl Benzene	10.195	91	1165372	99.447	ug/l	100
68) m/p-Xylenes	10.305	106	898640	201.258	ug/l	98
69) o-Xylene	10.646	106	449135	101.440	ug/l	98
70) Styrene	10.658	104	748191	102.426	ug/l	97
71) Bromoform	10.798	173	198560	112.948	ug/l #	100
73) Isopropylbenzene	10.963	105	1146669	98.108	ug/l	98
74) N-amyl acetate	10.841	43	527517	102.670	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	422798	95.409	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	324458m	94.100	ug/l	
77) Bromobenzene	11.201	156	276546	98.590	ug/l	93
78) n-propylbenzene	11.304	91	1331563	98.710	ug/l	99
79) 2-Chlorotoluene	11.365	91	795258	95.862	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	987959	100.064	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	128488	114.388	ug/l	89
82) 4-Chlorotoluene	11.457	91	927129	98.193	ug/l	98
83) tert-Butylbenzene	11.713	119	985992	100.155	ug/l	95
84) 1,2,4-Trimethylbenzene	11.749	105	990705	99.907	ug/l	98
85) sec-Butylbenzene	11.890	105	1215755	99.637	ug/l	100
86) p-Isopropyltoluene	12.012	119	1019690	101.482	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	517514	97.104	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	526229	96.488	ug/l	98
89) n-Butylbenzene	12.335	91	928825	103.262	ug/l	98
90) Hexachloroethane	12.542	117	181932	107.096	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	524129	96.712	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	96334	103.506	ug/l	84
93) 1,2,4-Trichlorobenzene	13.585	180	330460	104.981	ug/l	97
94) Hexachlorobutadiene	13.725	225	132682	97.255	ug/l	99
95) Naphthalene	13.773	128	1204527	105.711	ug/l	99
96) 1,2,3-Trichlorobenzene	13.962	180	336135	103.552	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091123\
Data File : VX037649.D
Acq On : 11 Sep 2023 18:37
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Sep 12 08:53:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 08:46:29 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

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

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

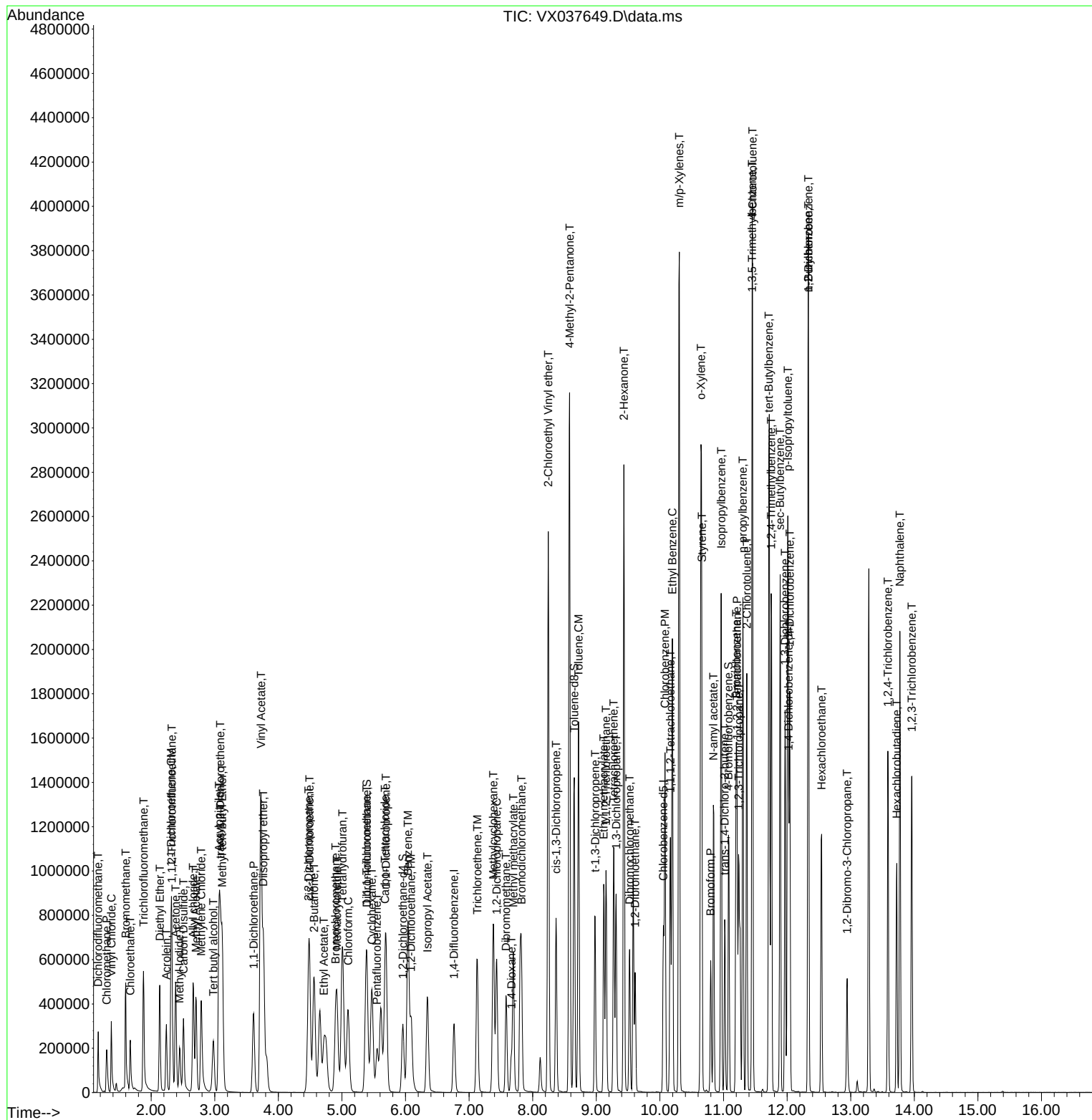
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091123\
Data File : VX037649.D
Acq On : 11 Sep 2023 18:37
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

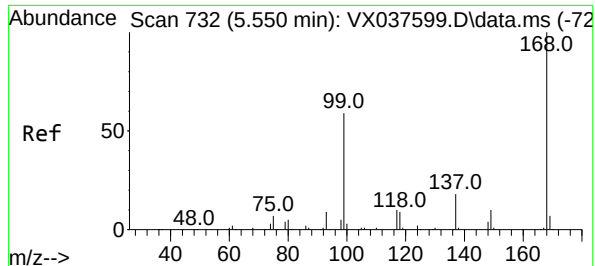
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

Quant Time: Sep 12 08:53:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 08:46:29 2023
Response via : Initial Calibration





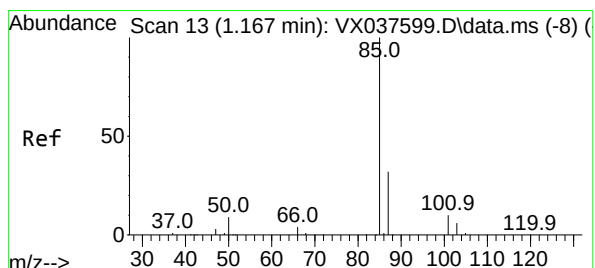
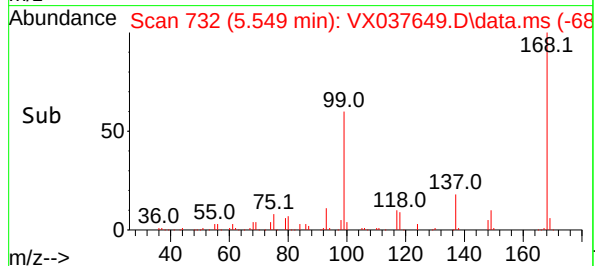
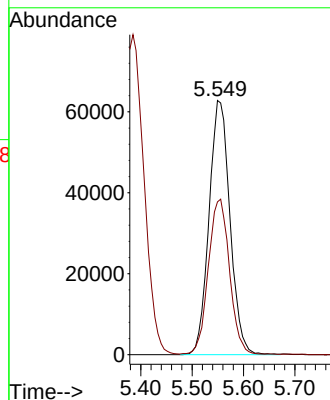
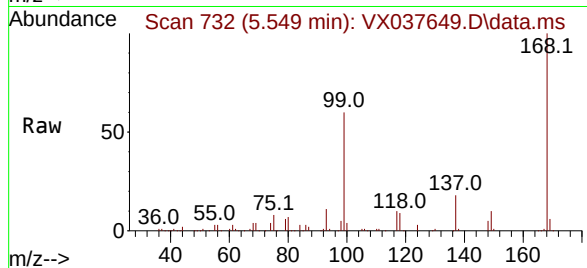
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 177830
Ion Ratio Lower Upper
168 100
99 60.0 56.6 85.0

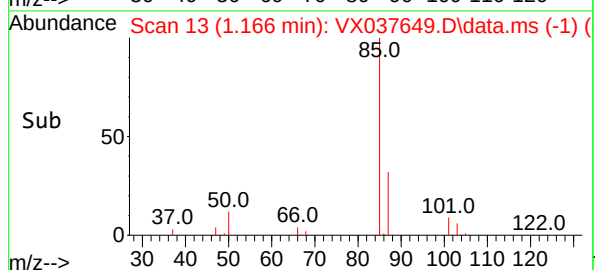
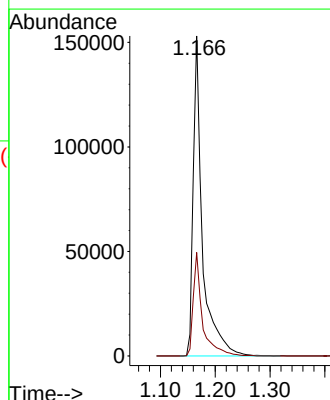
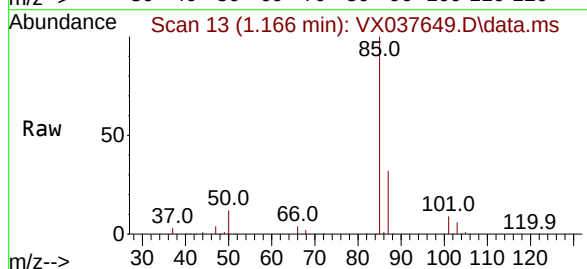
Manual Integrations
APPROVED

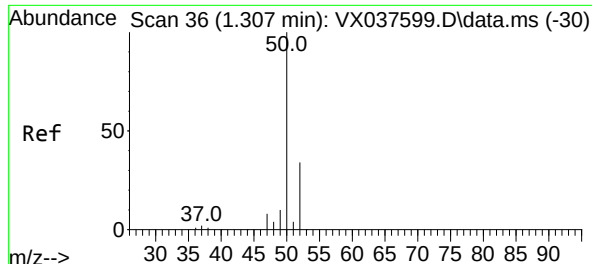
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#2
Dichlorodifluoromethane
Concen: 93.869 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.001 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37

Tgt Ion: 85 Resp: 178475
Ion Ratio Lower Upper
85 100
87 32.3 16.7 50.1





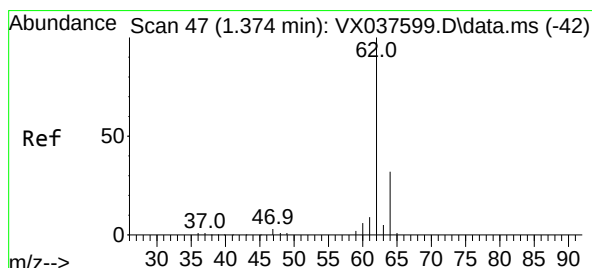
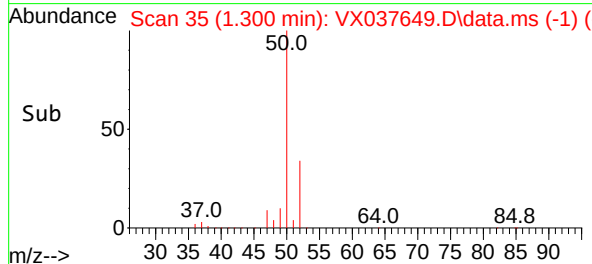
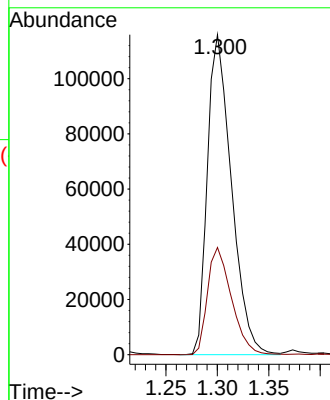
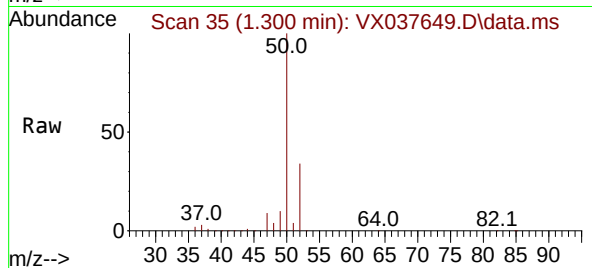
#3
Chloromethane
Concen: 84.673 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.007 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 188819
Ion Ratio Lower Upper
50 100
52 33.5 25.5 38.3

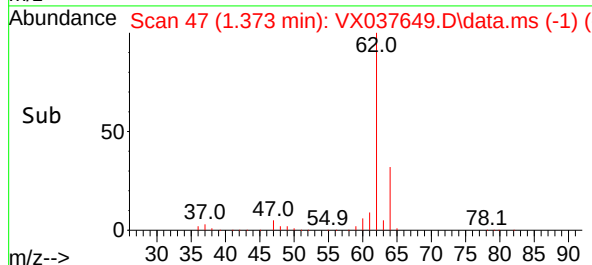
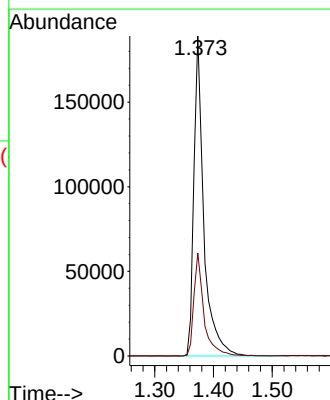
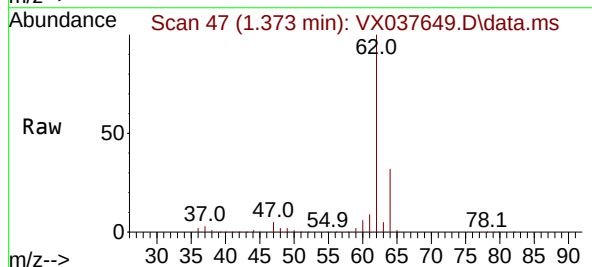
Manual Integrations
APPROVED

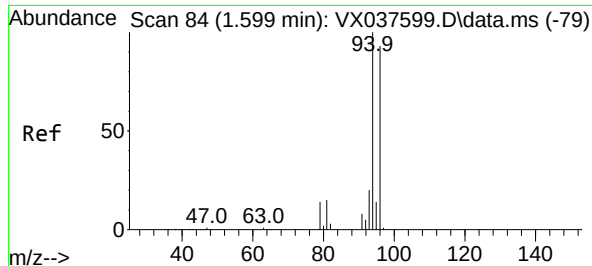
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#4
Vinyl Chloride
Concen: 90.522 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.001 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37

Tgt Ion: 62 Resp: 222158
Ion Ratio Lower Upper
62 100
64 32.2 25.4 38.0





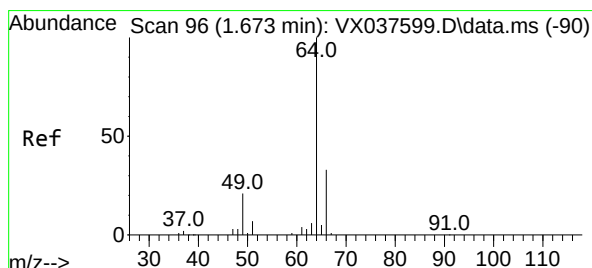
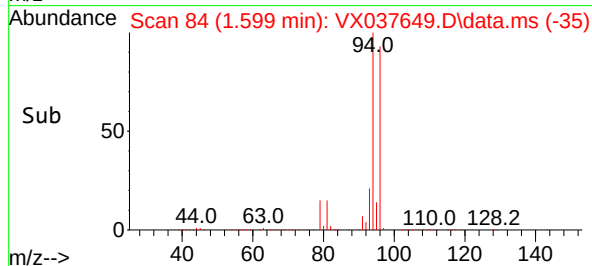
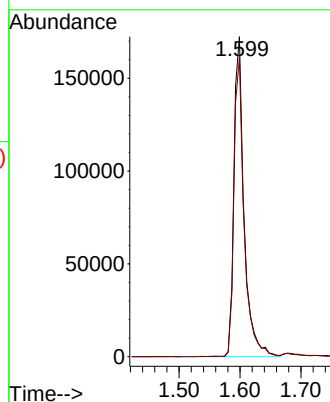
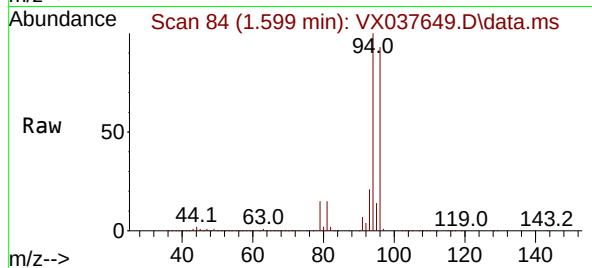
#5
Bromomethane
Concen: 95.606 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 19920
Ion Ratio Lower Upper
94 100
96 93.5 74.6 111.8

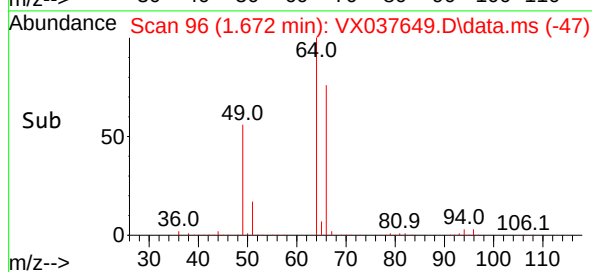
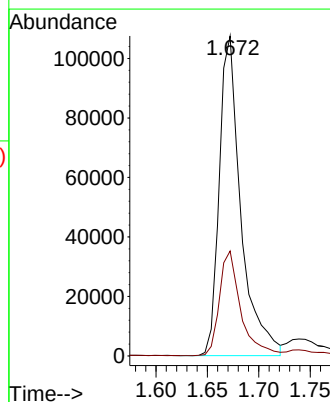
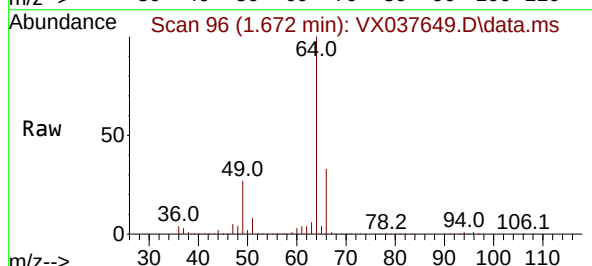
Manual Integrations
APPROVED

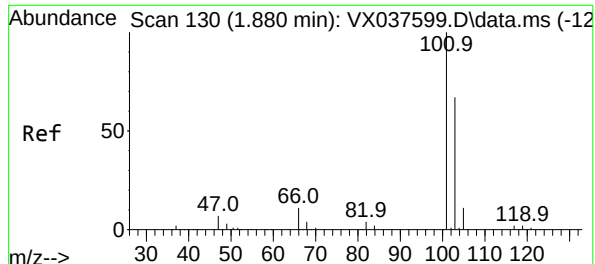
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#6
Chloroethane
Concen: 93.625 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.001 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37

Tgt Ion: 64 Resp: 156630
Ion Ratio Lower Upper
64 100
66 32.7 25.1 37.7





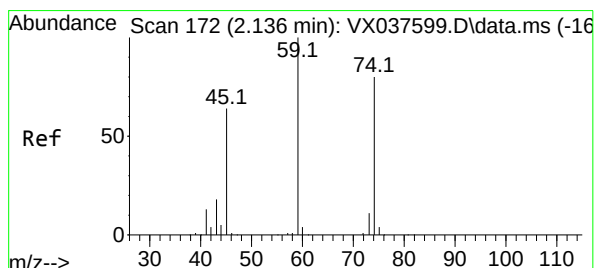
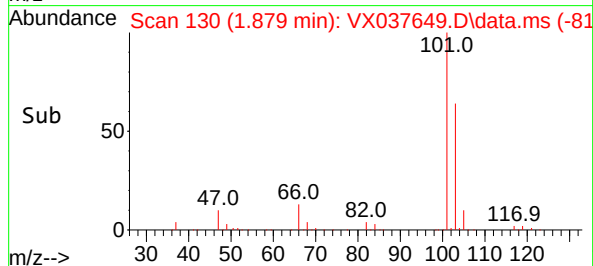
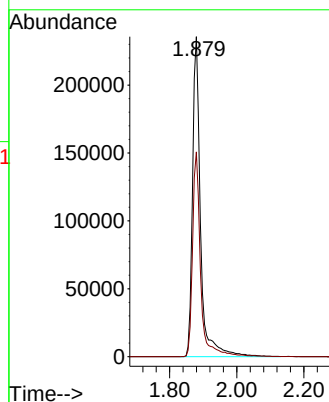
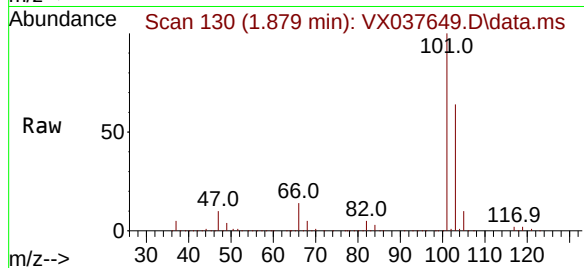
#7
Trichlorofluoromethane
Concen: 95.590 ug/l
RT: 1.879 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 39206
Ion Ratio Lower Upper
101 100
103 64.0 51.4 77.2

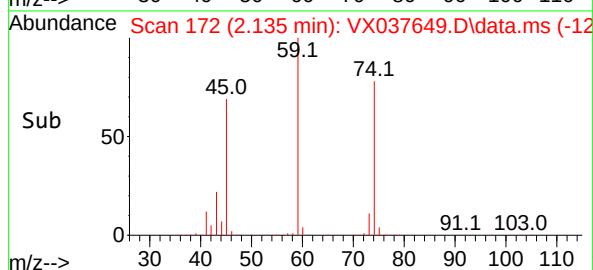
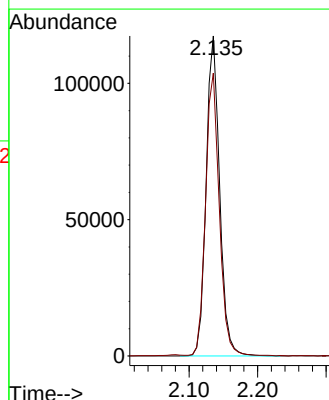
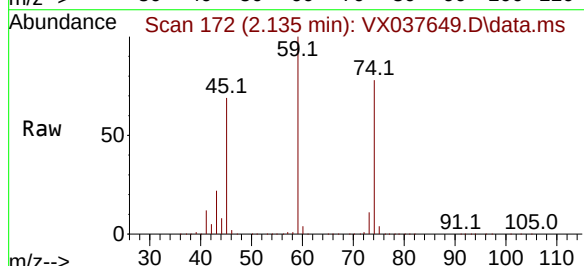
Manual Integrations
APPROVED

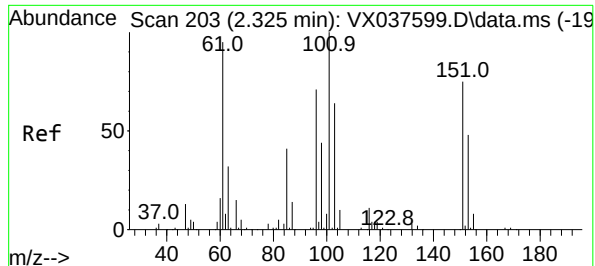
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#8
Diethyl Ether
Concen: 95.723 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37

Tgt Ion: 74 Resp: 161010
Ion Ratio Lower Upper
74 100
45 90.4 53.3 159.8





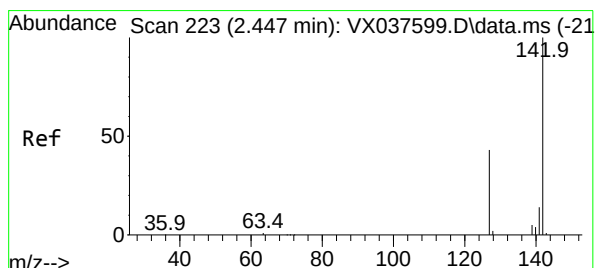
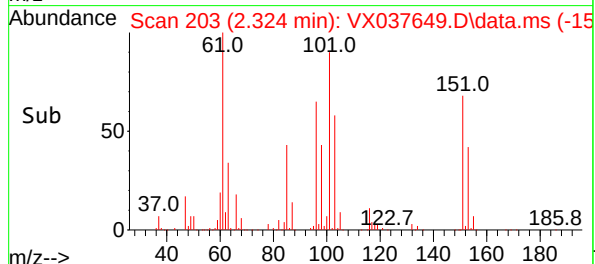
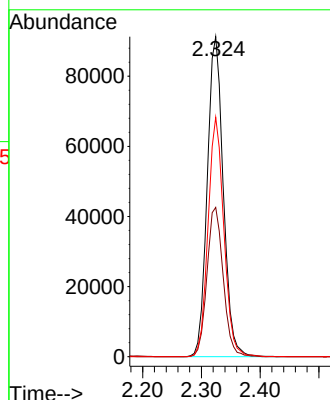
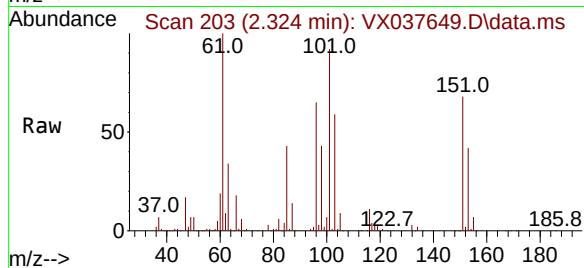
#9
1,1,2-Trichlorotrifluoroethane
Concen: 93.800 ug/l
RT: 2.324 min Scan# 203
Delta R.T. -0.001 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 172690
Ion Ratio Lower Upper
101 100
85 47.3 37.0 55.6
151 73.8 58.6 87.8

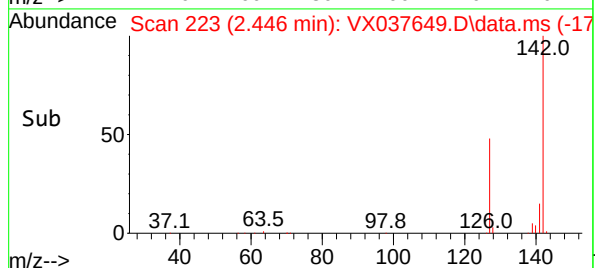
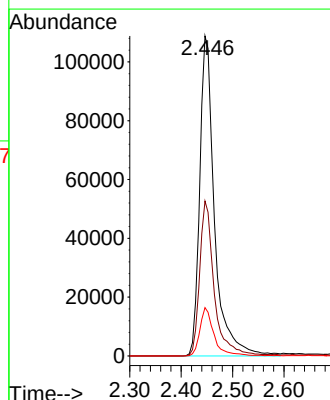
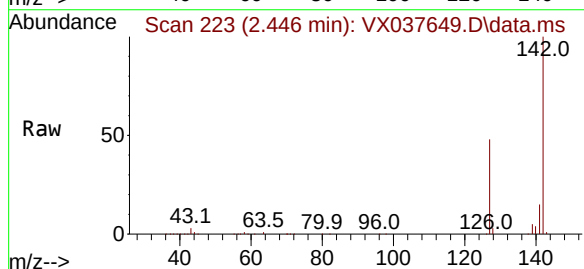
Manual Integrations
APPROVED

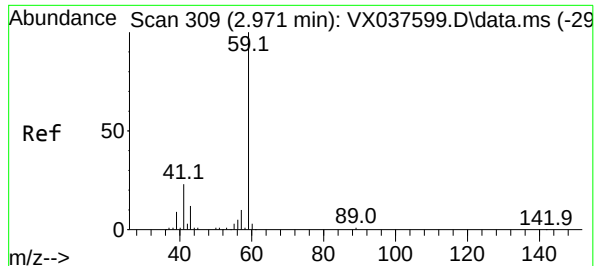
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#10
Methyl Iodide
Concen: 99.877 ug/l
RT: 2.446 min Scan# 223
Delta R.T. -0.001 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37

Tgt Ion:142 Resp: 218576
Ion Ratio Lower Upper
142 100
127 47.4 41.6 62.4
141 14.5 11.6 17.4





#11

Tert butyl alcohol

Concen: 490.864 ug/l

RT: 2.977 min Scan# 309

Delta R.T. 0.006 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 59 Resp: 286119

Ion Ratio Lower Upper

59 100

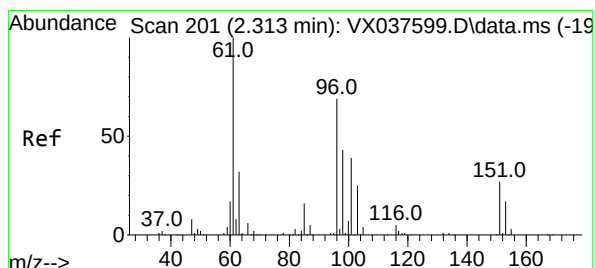
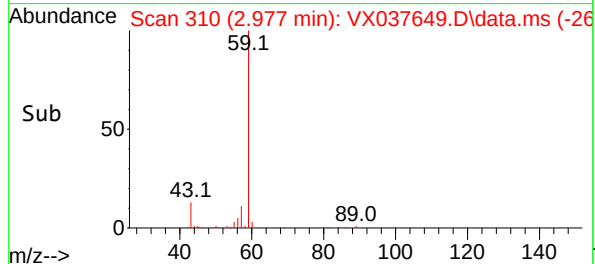
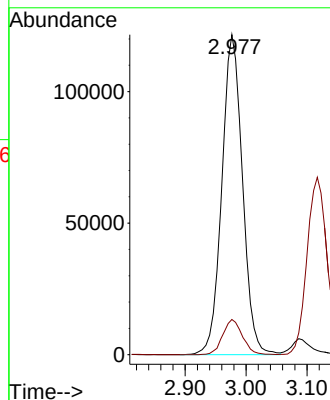
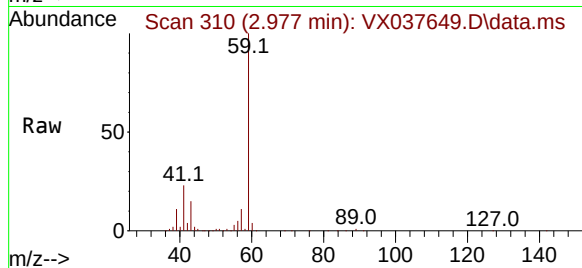
57 10.5 6.0 9.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#12

1,1-Dichloroethene

Concen: 95.033 ug/l

RT: 2.312 min Scan# 201

Delta R.T. -0.001 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

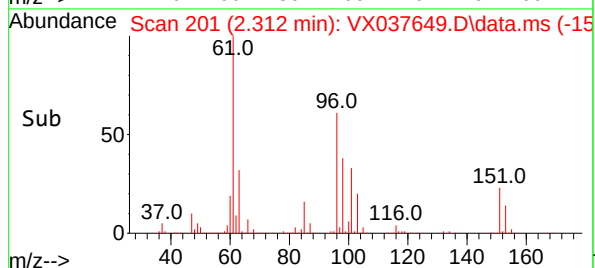
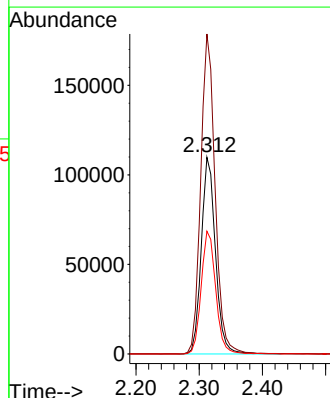
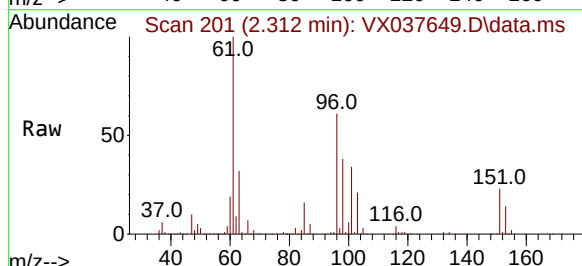
Tgt Ion: 96 Resp: 171877

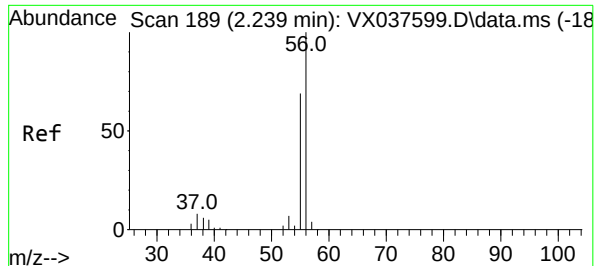
Ion Ratio Lower Upper

96 100

61 162.7 144.6 216.8

98 62.4 50.4 75.6





#13

Acrolein

Concen: 473.049 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.001 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 22162

Ion Ratio Lower Upper

56 100

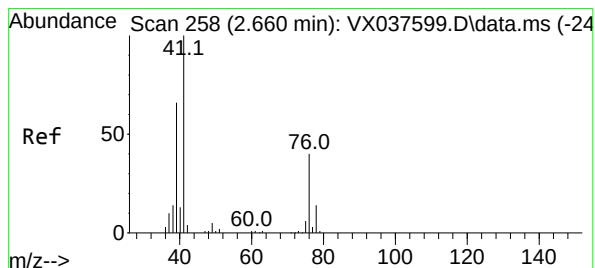
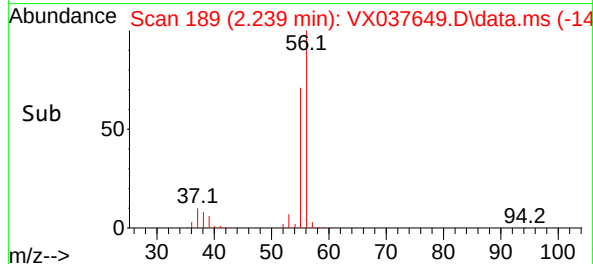
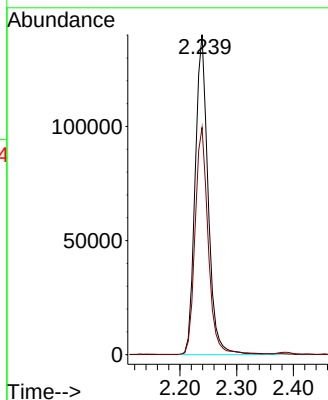
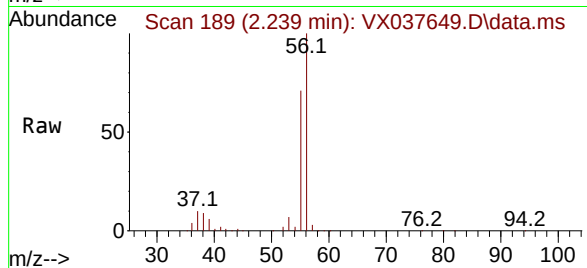
55 71.7 57.1 85.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#14

Allyl chloride

Concen: 97.062 ug/l

RT: 2.660 min Scan# 258

Delta R.T. -0.001 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

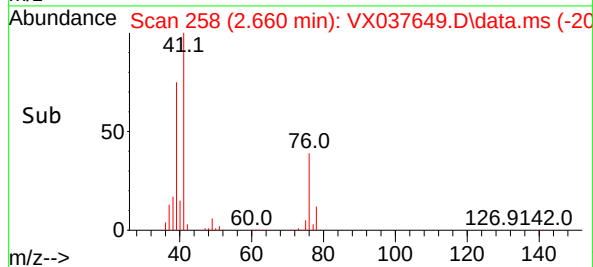
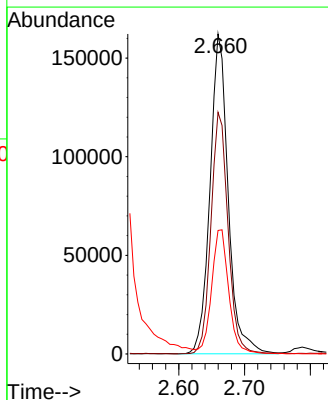
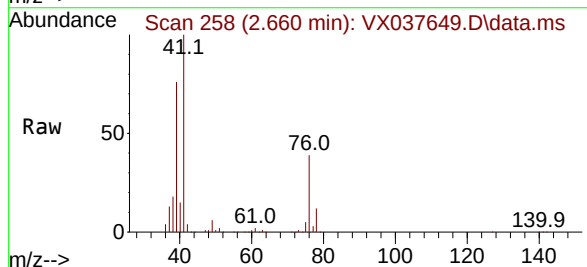
Tgt Ion: 41 Resp: 312377

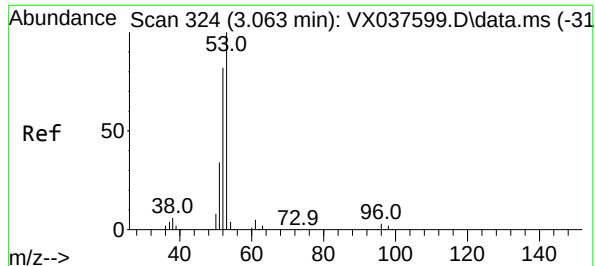
Ion Ratio Lower Upper

41 100

39 70.8 55.8 83.6

76 36.6 24.3 36.5#





#15

Acrylonitrile

Concen: 473.871 ug/l

RT: 3.068 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 53 Resp: 641198

Ion Ratio Lower Upper

53 100

52 83.0 66.0 99.0

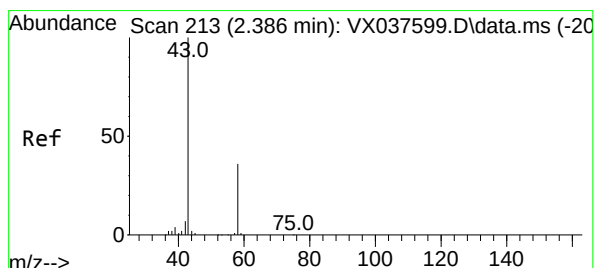
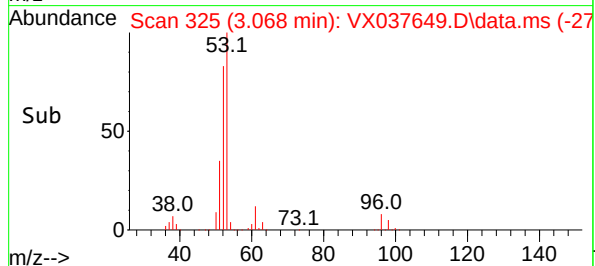
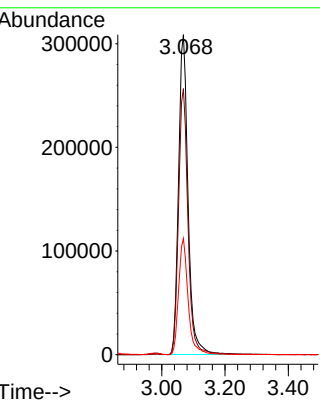
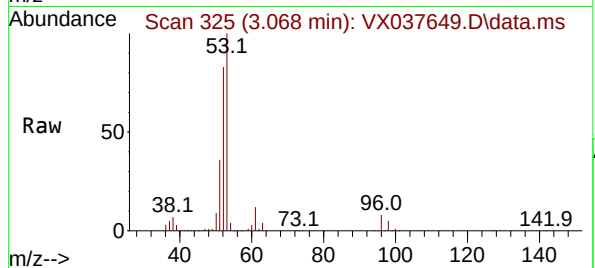
51 36.4 29.8 44.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#16

Acetone

Concen: 446.431 ug/l

RT: 2.385 min Scan# 213

Delta R.T. -0.001 min

Lab File: VX037649.D

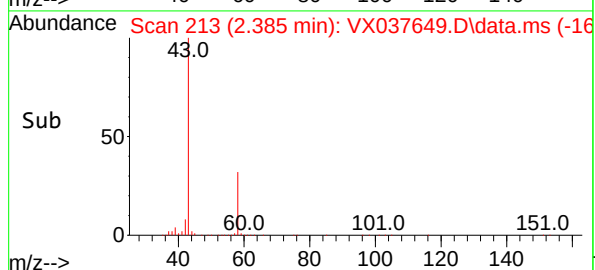
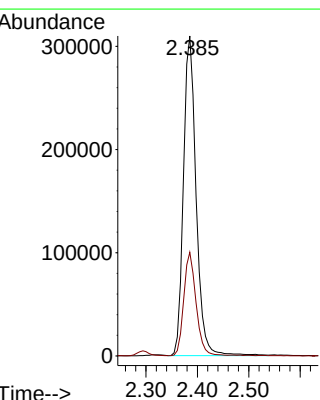
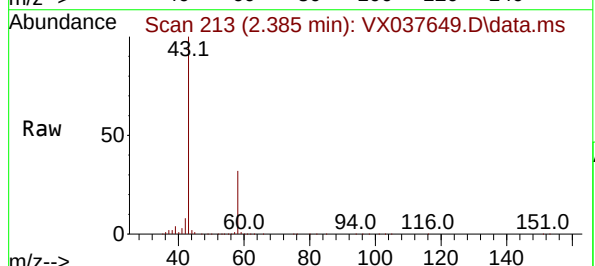
Acq: 11 Sep 2023 18:37

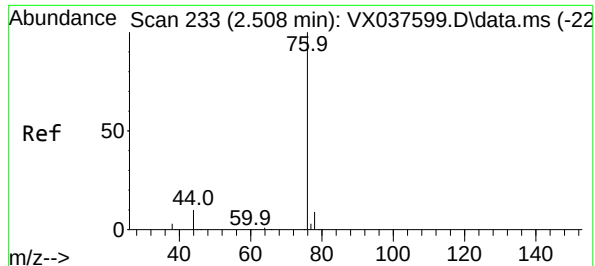
Tgt Ion: 43 Resp: 530976

Ion Ratio Lower Upper

43 100

58 32.3 21.9 32.9





#17

Carbon Disulfide

Concen: 94.246 ug/l

RT: 2.507 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 43939

Ion Ratio Lower Upper

76 100

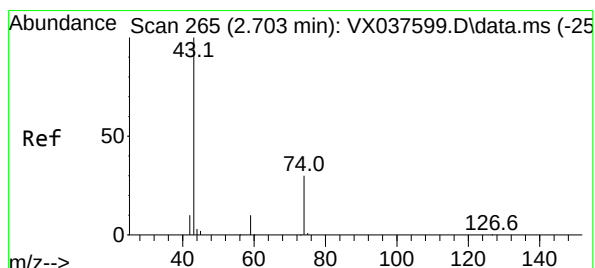
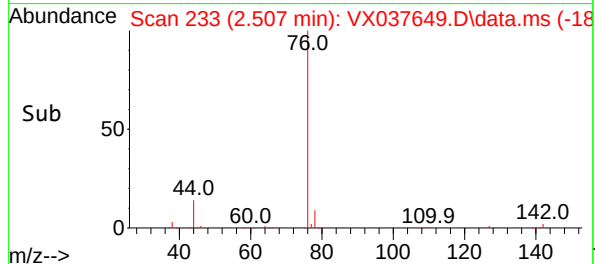
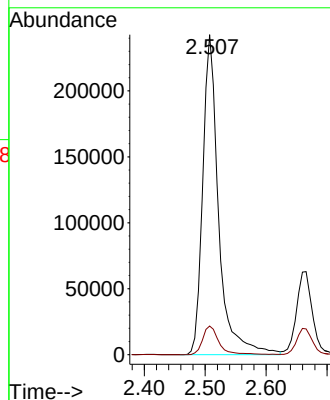
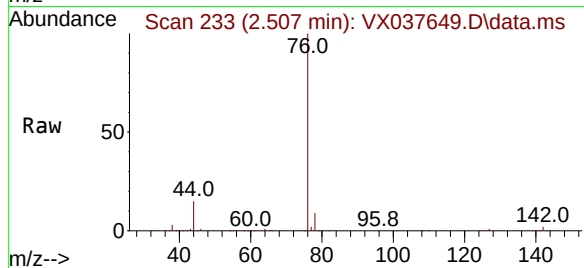
78 9.0 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#18

Methyl Acetate

Concen: 96.227 ug/l

RT: 2.702 min Scan# 265

Delta R.T. -0.001 min

Lab File: VX037649.D

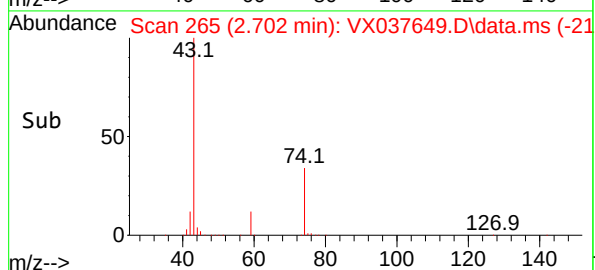
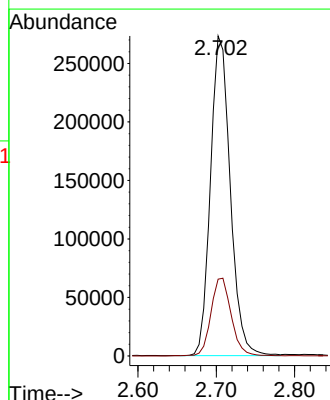
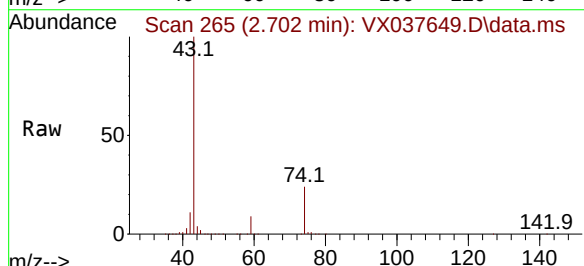
Acq: 11 Sep 2023 18:37

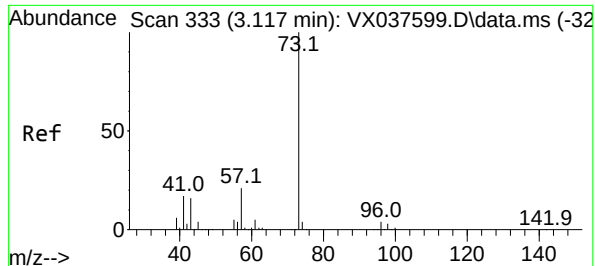
Tgt Ion: 43 Resp: 479677

Ion Ratio Lower Upper

43 100

74 25.0 17.8 26.8





#19

Methyl tert-butyl Ether

Concen: 100.087 ug/l

RT: 3.117 min Scan# 31

Delta R.T. -0.001 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 73 Resp: 73073

Ion Ratio Lower Upper

73 100

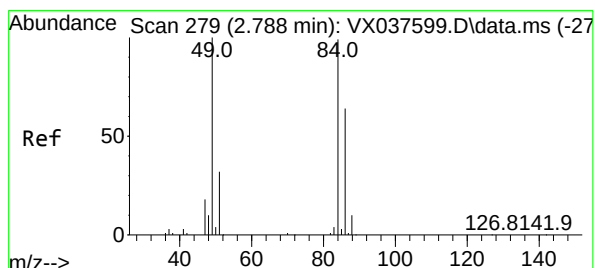
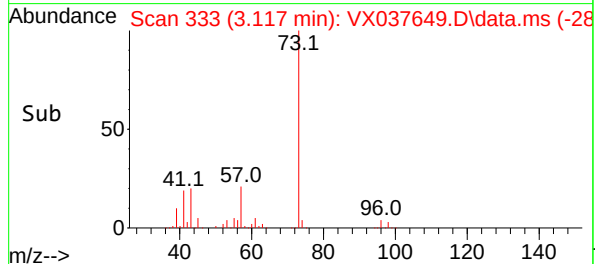
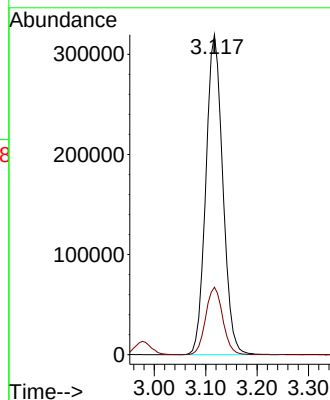
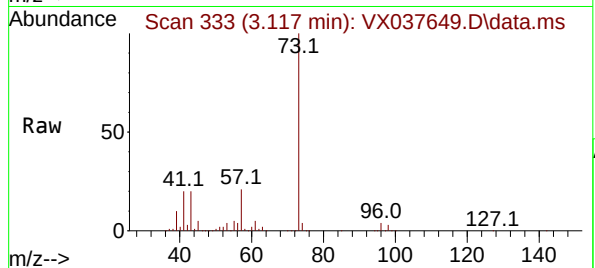
57 21.1 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#20

Methylene Chloride

Concen: 100.183 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Tgt Ion: 84 Resp: 222452

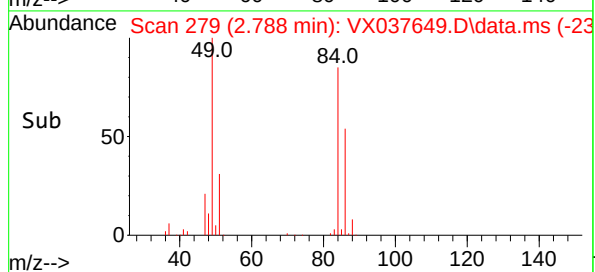
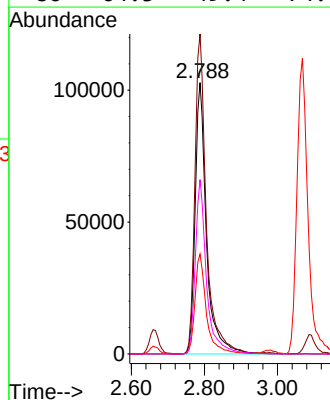
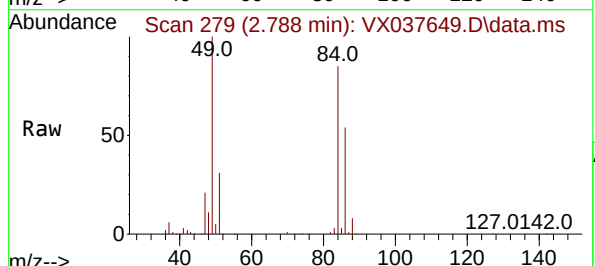
Ion Ratio Lower Upper

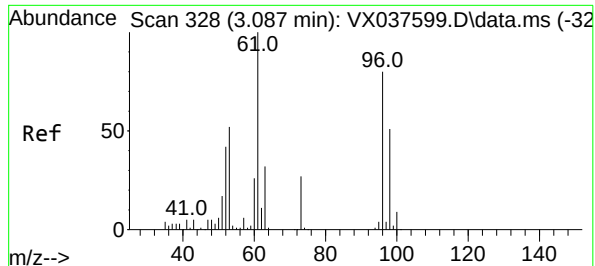
84 100

49 117.9 103.6 155.4

51 36.8 33.8 50.6

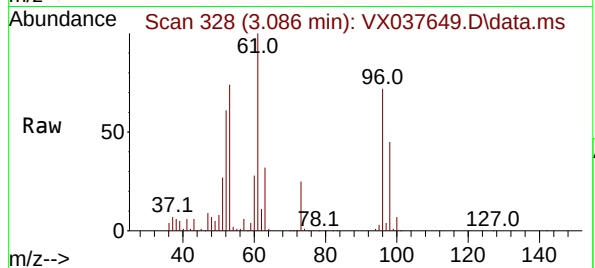
86 64.3 49.4 74.0





#21
trans-1,2-Dichloroethene
Concen: 96.904 ug/l
RT: 3.086 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37

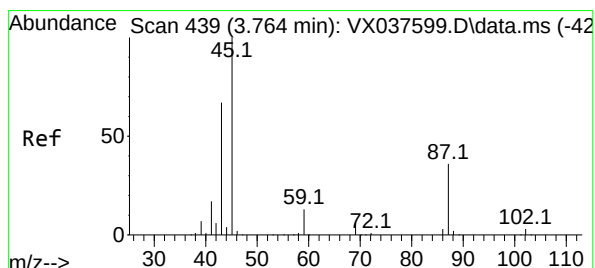
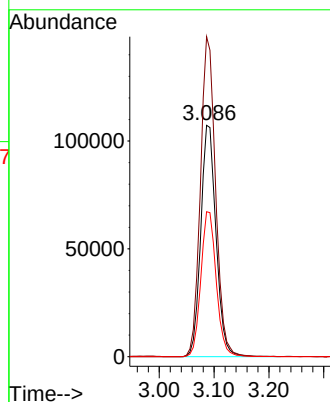
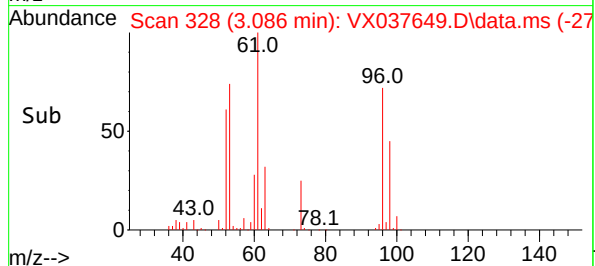
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



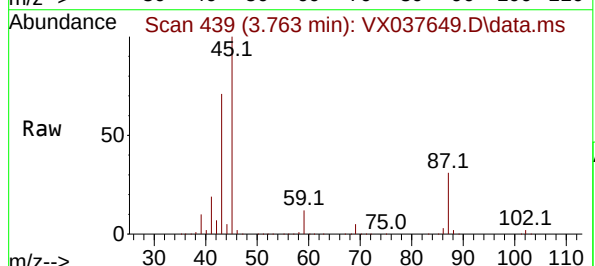
Tgt Ion: 96 Resp: 20783
Ion Ratio Lower Upper
96 100
61 138.3 119.2 178.8
98 62.7 48.7 73.1

Manual Integrations
APPROVED

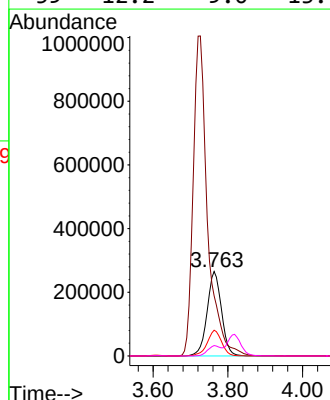
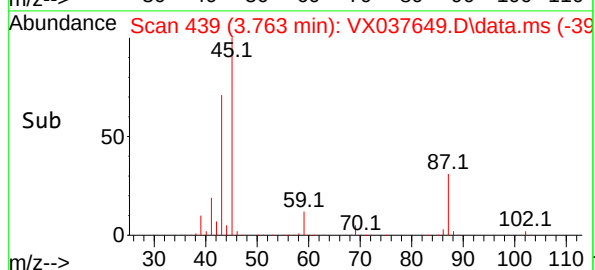
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

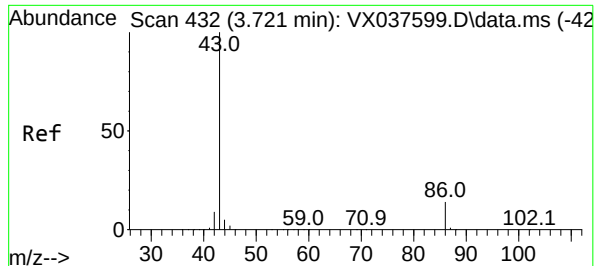


#22
Diisopropyl ether
Concen: 100.459 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.001 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37



Tgt Ion: 45 Resp: 705674
Ion Ratio Lower Upper
45 100
43 71.1 69.7 104.5
87 30.5 20.8 31.2
59 12.2 9.0 13.4





#23

Vinyl Acetate

Concen: 522.337 ug/l

RT: 3.727 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 269200

Ion Ratio Lower Upper

43 100

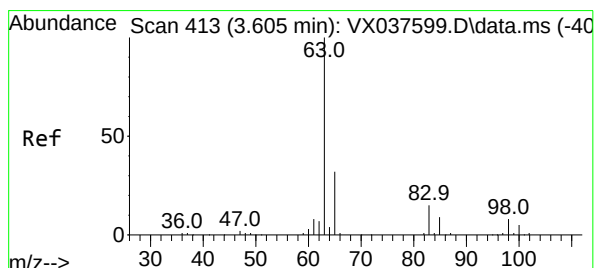
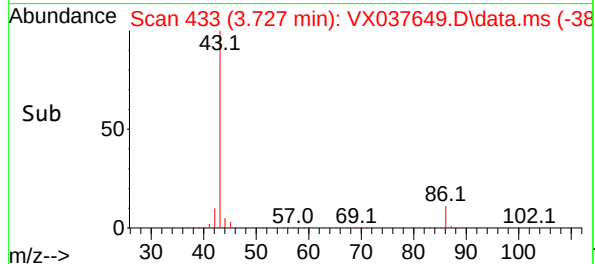
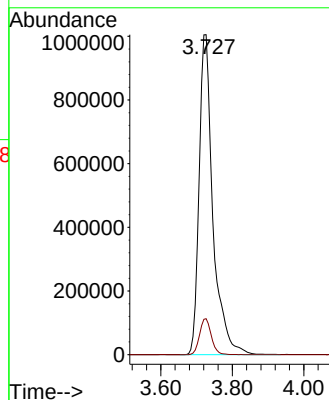
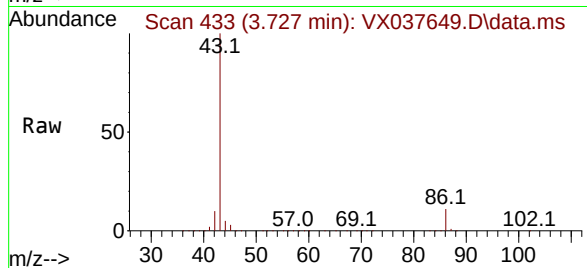
86 11.3 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#24

1,1-Dichloroethane

Concen: 97.661 ug/l

RT: 3.611 min Scan# 414

Delta R.T. 0.006 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

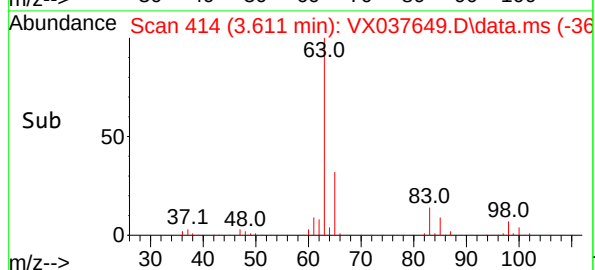
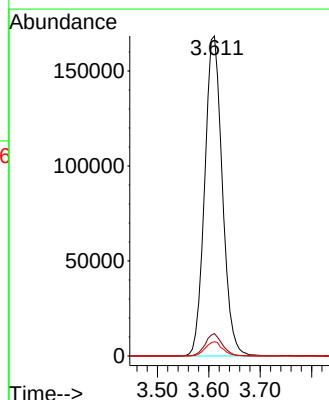
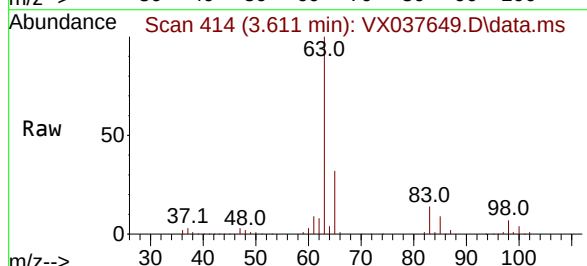
Tgt Ion: 63 Resp: 401347

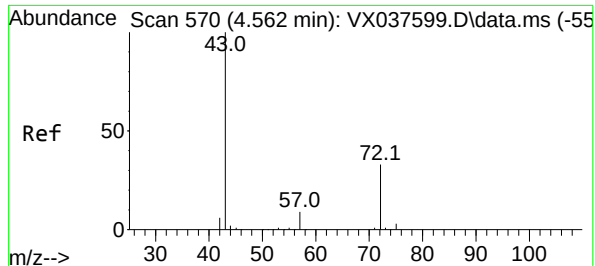
Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

100 4.4 2.1 6.5





#25

2-Butanone

Concen: 473.214 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.001 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 90366

Ion Ratio Lower Upper

43 100

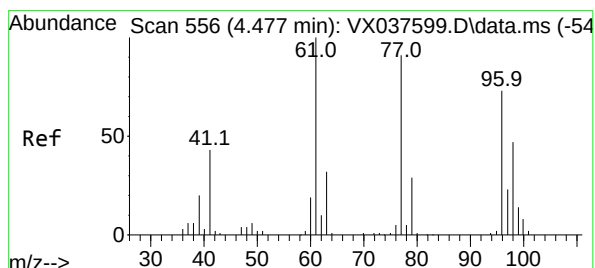
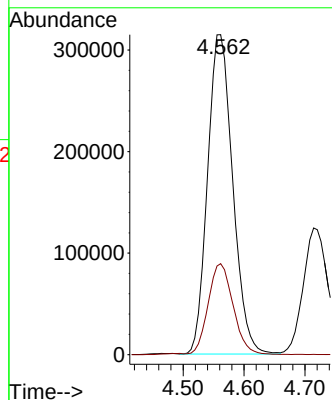
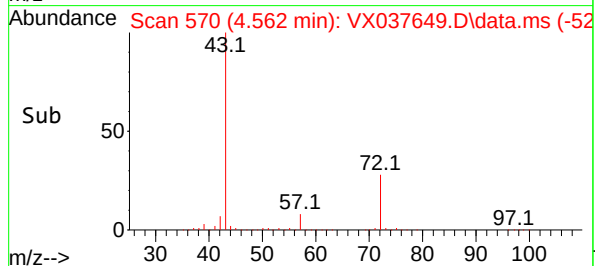
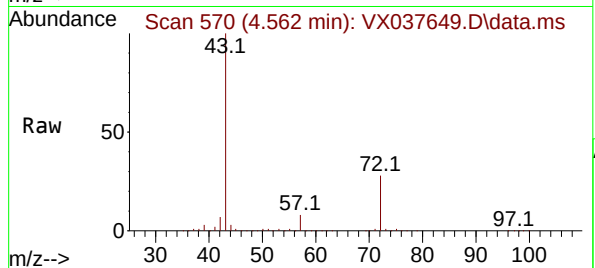
72 28.4 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#26

2,2-Dichloropropane

Concen: 103.860 ug/l

RT: 4.476 min Scan# 556

Delta R.T. -0.001 min

Lab File: VX037649.D

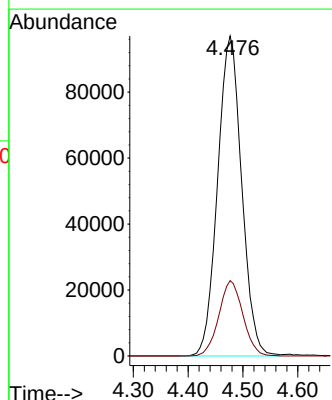
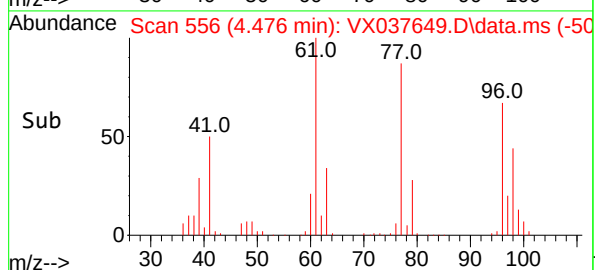
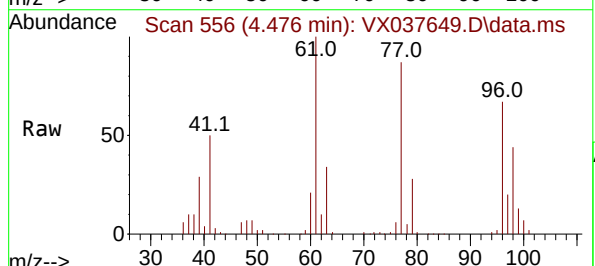
Acq: 11 Sep 2023 18:37

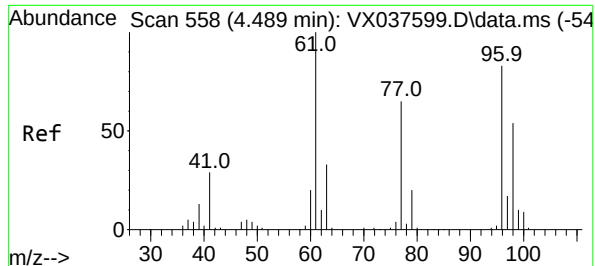
Tgt Ion: 77 Resp: 295537

Ion Ratio Lower Upper

77 100

97 23.5 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 99.881 ug/l

RT: 4.489 min Scan# 558

Delta R.T. -0.001 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 96 Resp: 25616

Ion Ratio Lower Upper

96 100

61 142.2 0.0 312.2

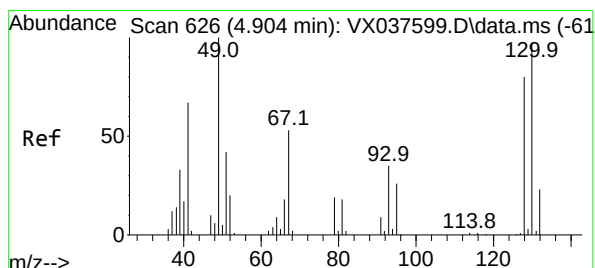
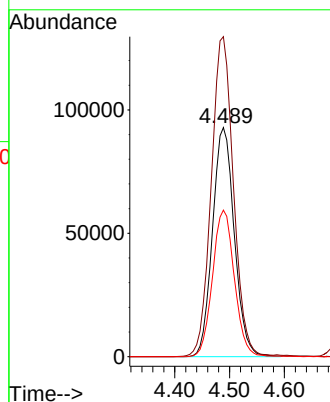
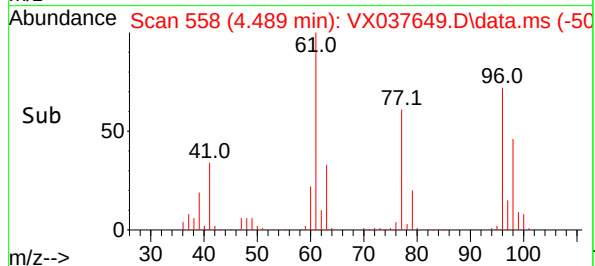
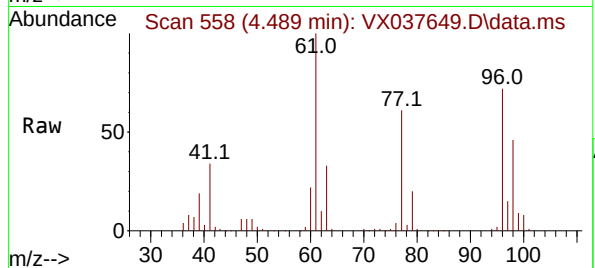
98 64.2 0.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#28

Bromochloromethane

Concen: 94.874 ug/l

RT: 4.897 min Scan# 625

Delta R.T. -0.007 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

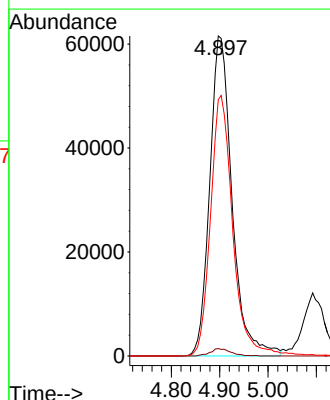
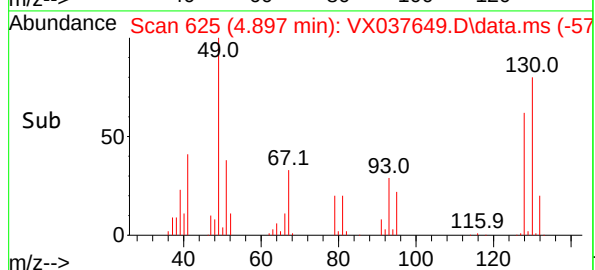
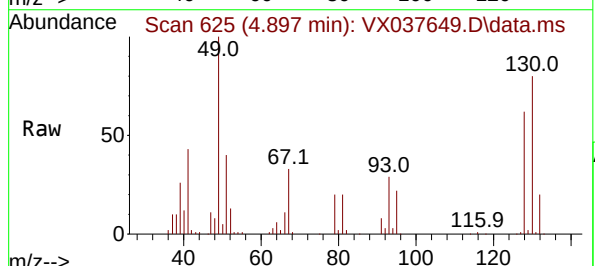
Tgt Ion: 49 Resp: 197703

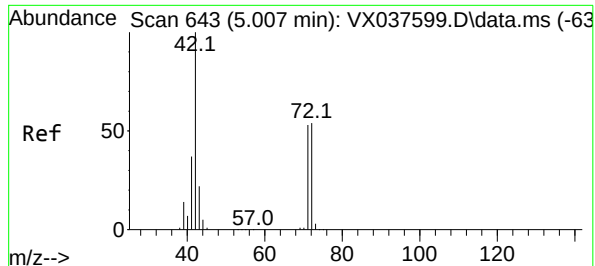
Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

130 81.3 57.5 86.3





#29

Tetrahydrofuran

Concen: 492.334 ug/l

RT: 5.007 min Scan# 643

Delta R.T. -0.000 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 42 Resp: 604684

Ion Ratio Lower Upper

42 100

72 48.5 34.2 51.4

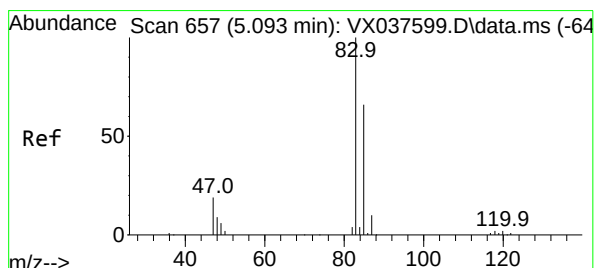
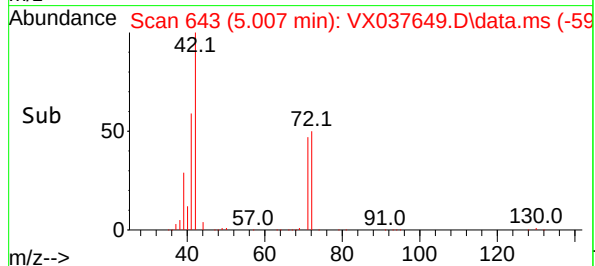
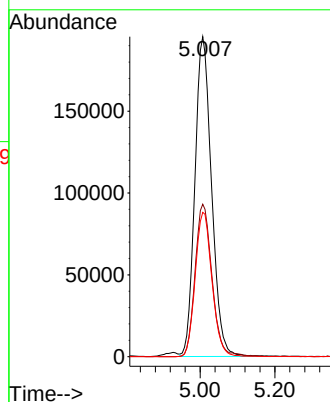
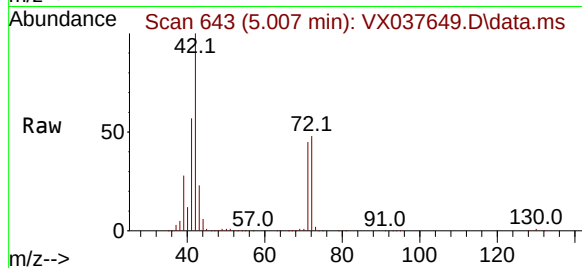
71 45.3 32.2 48.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#30

Chloroform

Concen: 99.419 ug/l

RT: 5.098 min Scan# 658

Delta R.T. 0.006 min

Lab File: VX037649.D

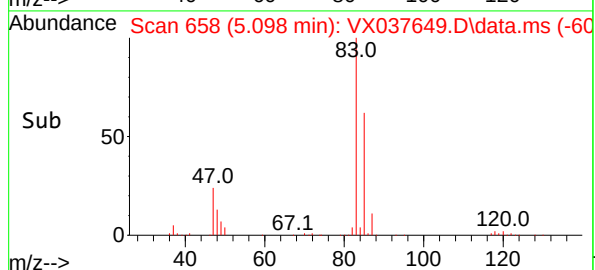
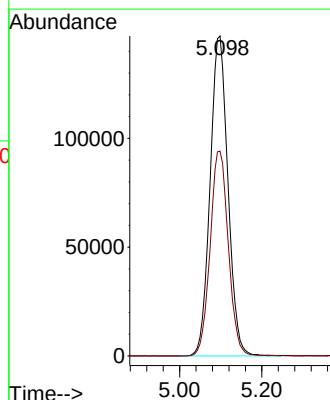
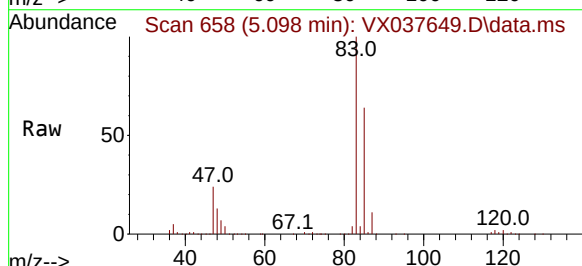
Acq: 11 Sep 2023 18:37

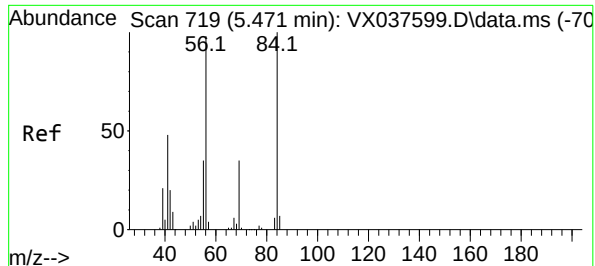
Tgt Ion: 83 Resp: 442978

Ion Ratio Lower Upper

83 100

85 64.0 50.3 75.5





#31

Cyclohexane

Concen: 97.584 ug/l

RT: 5.470 min Scan# 719

Delta R.T. -0.000 min

Lab File: VX037649.D

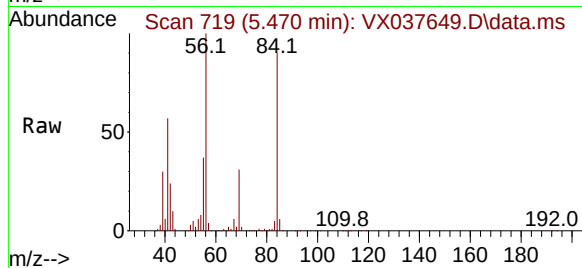
Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100



Tgt Ion: 56 Resp: 32330

Ion Ratio Lower Upper

56 100

69 31.0 23.4 35.2

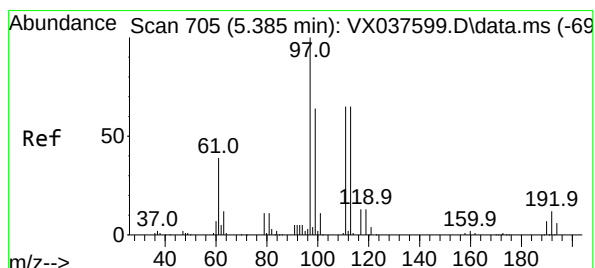
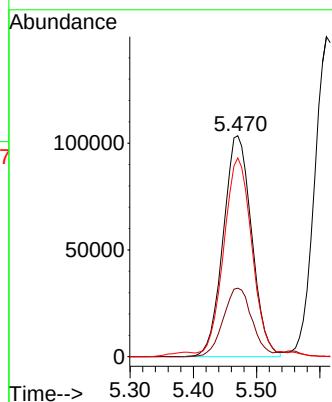
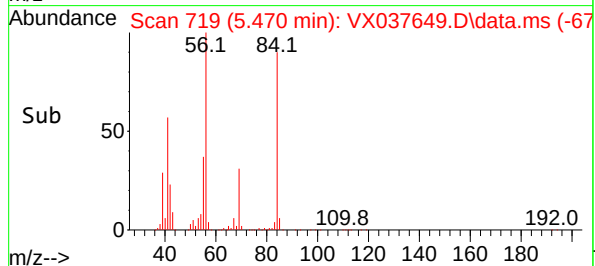
84 88.1 65.9 98.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#32

1,1,1-Trichloroethane

Concen: 101.718 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

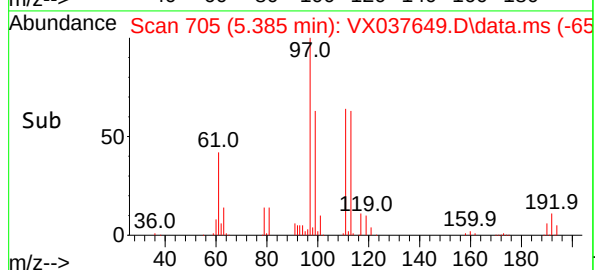
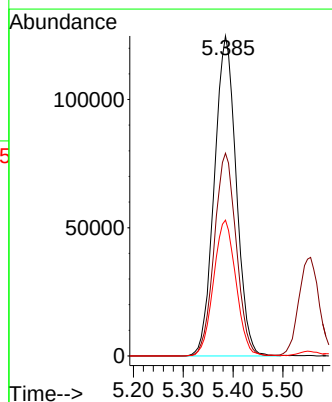
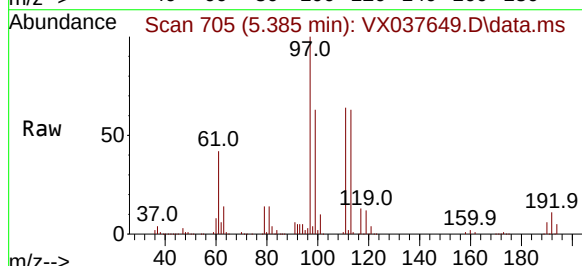
Tgt Ion: 97 Resp: 380676

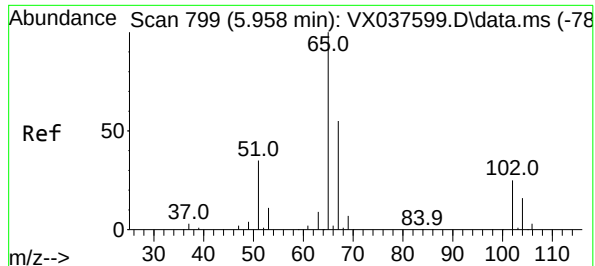
Ion Ratio Lower Upper

97 100

99 63.7 51.1 76.7

61 43.5 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 99.462 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 65 Resp: 28616

Ion Ratio Lower Upper

65 100

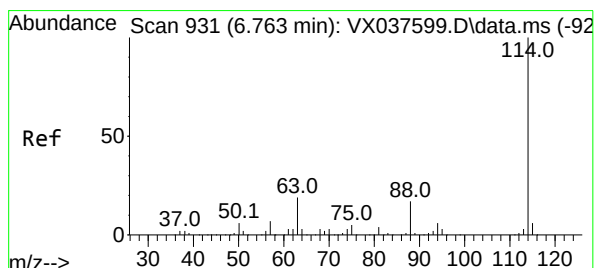
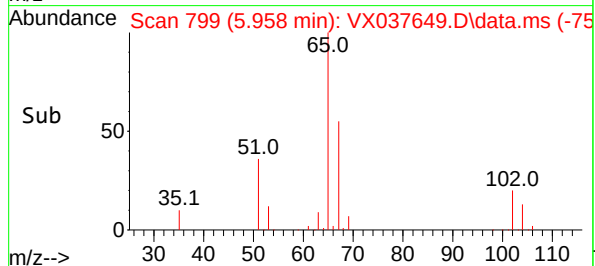
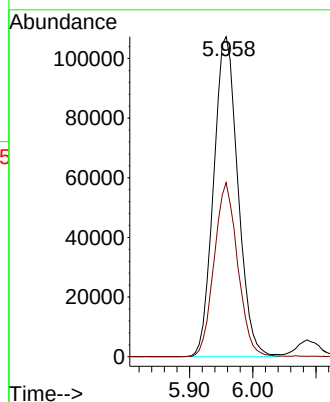
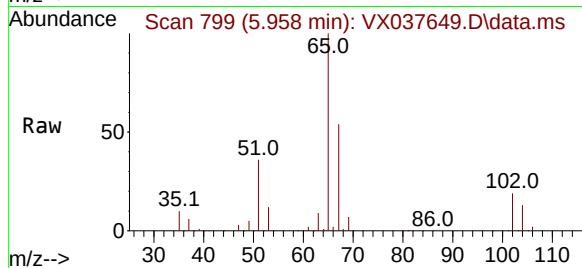
67 52.6 0.0 100.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

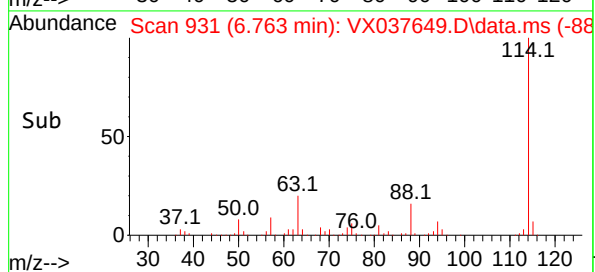
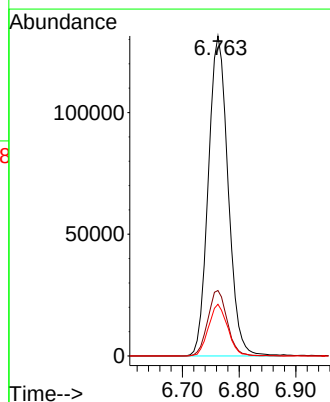
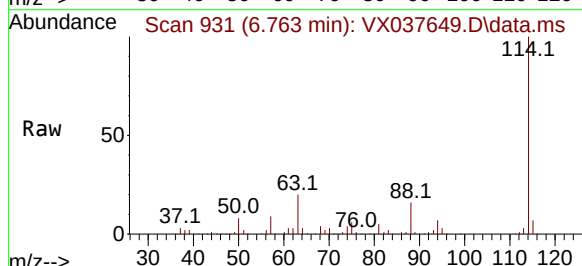
Tgt Ion:114 Resp: 318262

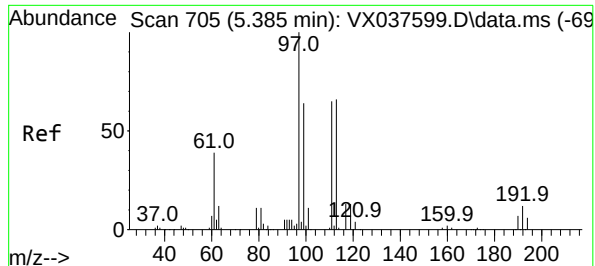
Ion Ratio Lower Upper

114 100

63 20.5 0.0 45.0

88 16.2 0.0 36.6





#35

Dibromofluoromethane

Concen: 102.497 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:113 Resp: 23122

Ion Ratio Lower Upper

113 100

111 102.2 82.9 124.3

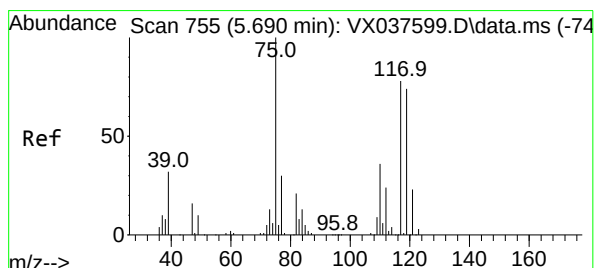
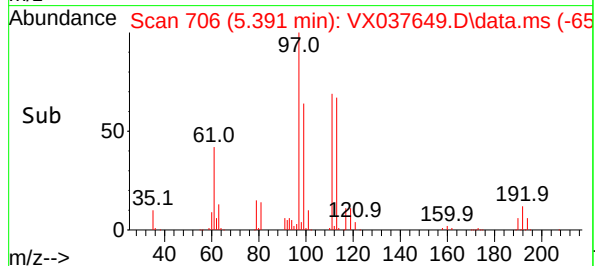
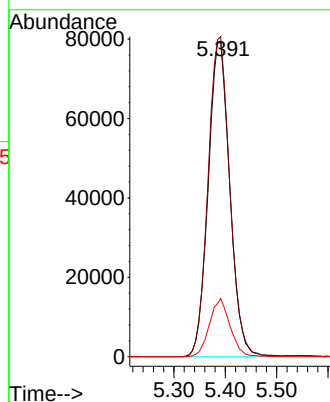
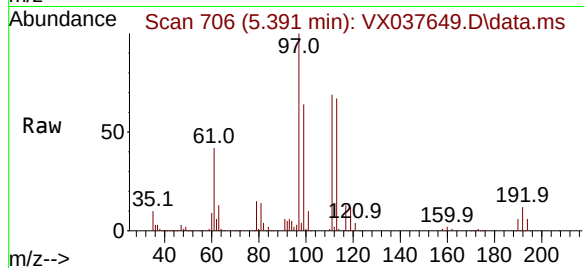
192 17.6 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#36

1,1-Dichloropropene

Concen: 96.452 ug/l

RT: 5.690 min Scan# 755

Delta R.T. -0.001 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

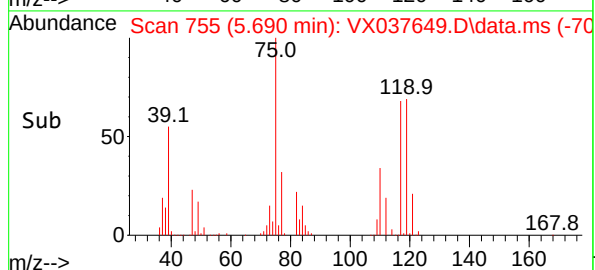
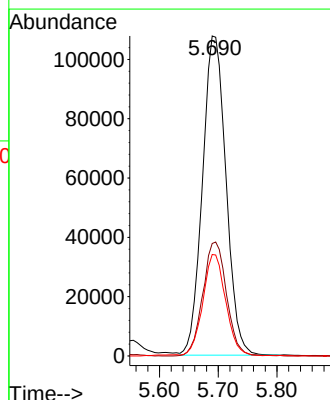
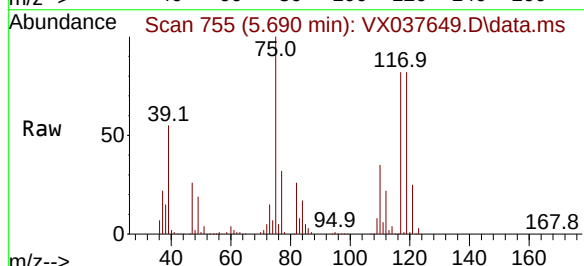
Tgt Ion: 75 Resp: 300052

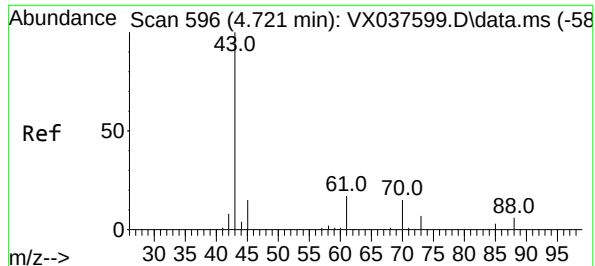
Ion Ratio Lower Upper

75 100

110 36.0 17.0 50.9

77 31.4 24.7 37.1





#37

Ethyl Acetate

Concen: 100.802 ug/l

RT: 4.714 min Scan# 596

Delta R.T. -0.007 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 362208

Ion Ratio Lower Upper

43 100

61 14.2 10.6 16.0

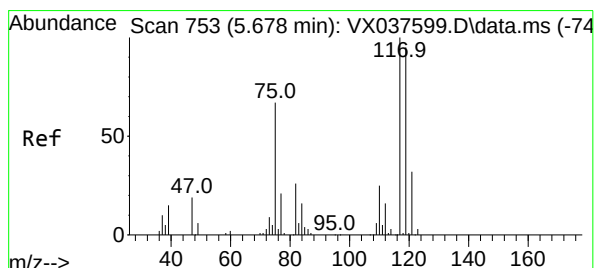
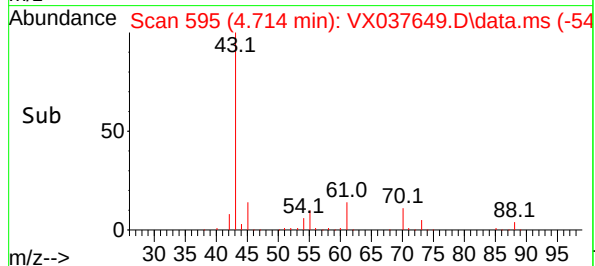
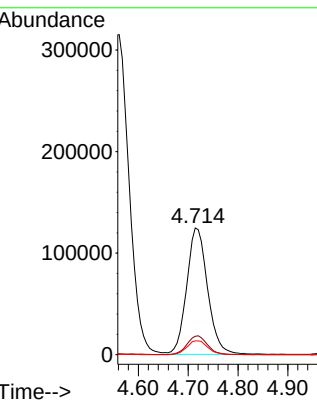
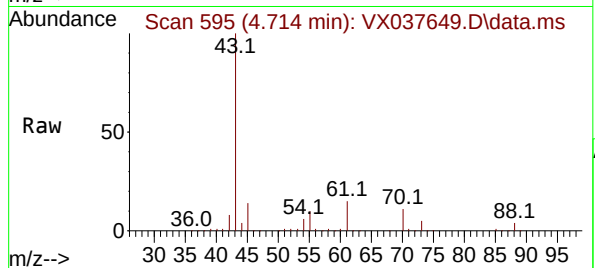
70 11.1 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#38

Carbon Tetrachloride

Concen: 102.179 ug/l

RT: 5.677 min Scan# 753

Delta R.T. -0.000 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

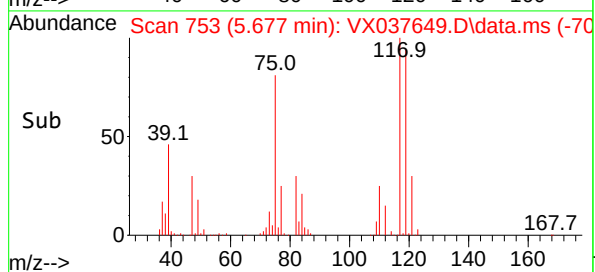
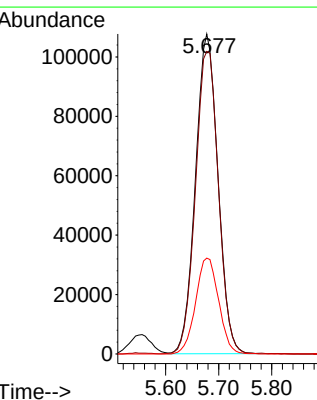
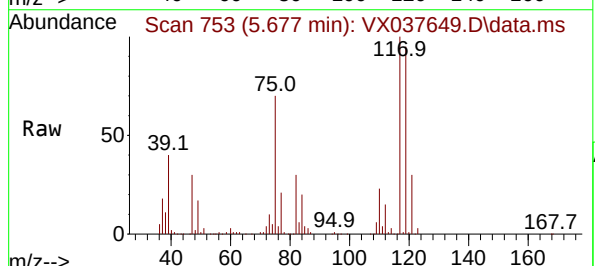
Tgt Ion:117 Resp: 317468

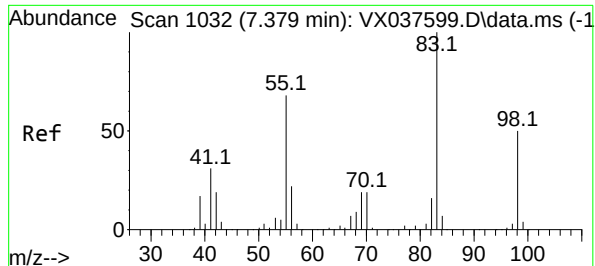
Ion Ratio Lower Upper

117 100

119 94.5 78.2 117.2

121 30.0 24.4 36.6





#39

Methylcyclohexane

Concen: 98.580 ug/l

RT: 7.378 min Scan# 1032

Delta R.T. -0.001 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 36070

Ion Ratio Lower Upper

83 100

55 75.2 64.6 97.0

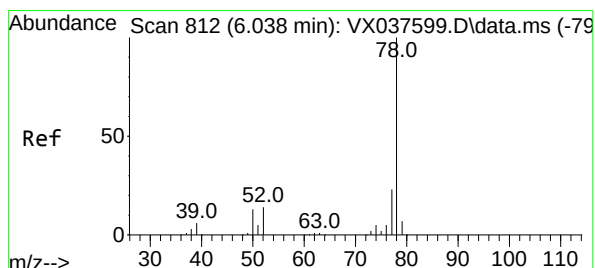
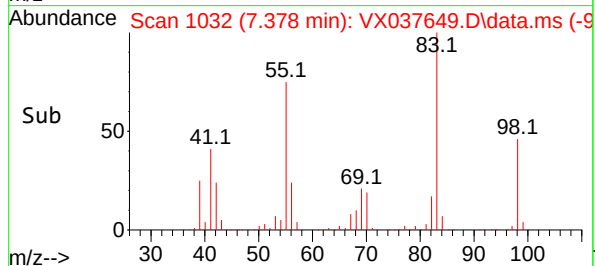
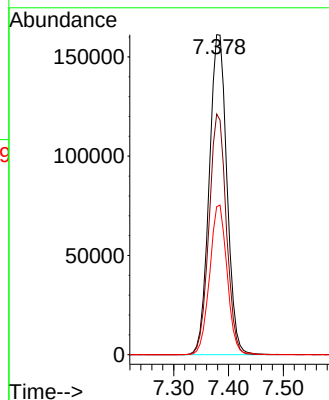
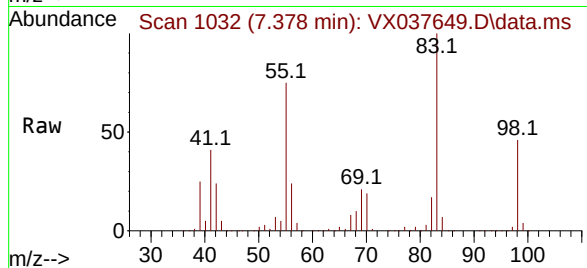
98 46.3 36.7 55.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#40

Benzene

Concen: 98.907 ug/l

RT: 6.037 min Scan# 812

Delta R.T. -0.001 min

Lab File: VX037649.D

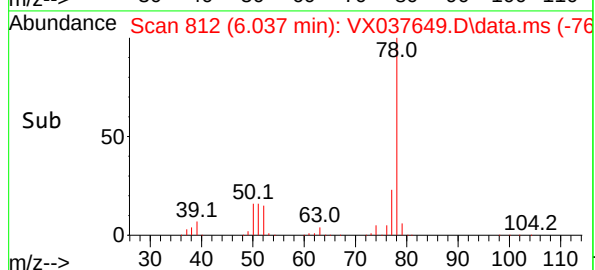
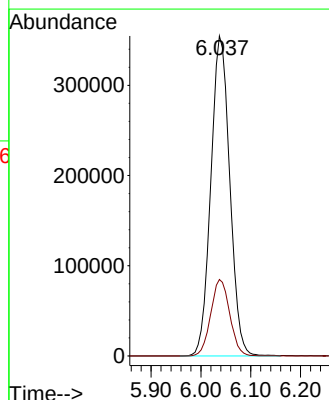
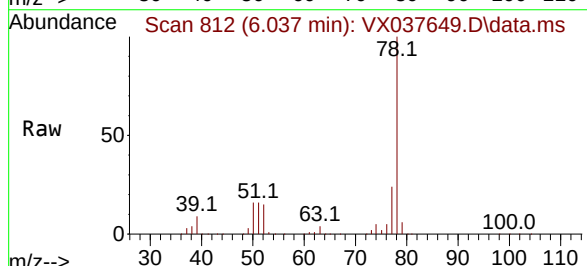
Acq: 11 Sep 2023 18:37

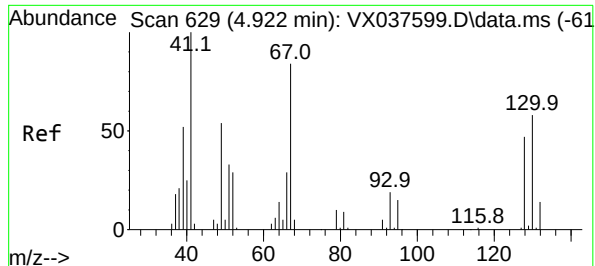
Tgt Ion: 78 Resp: 935586

Ion Ratio Lower Upper

78 100

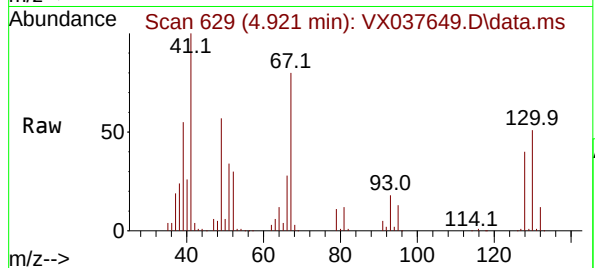
77 23.9 19.3 28.9





#41
Methacrylonitrile
Concen: 100.555 ug/l
RT: 4.921 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37

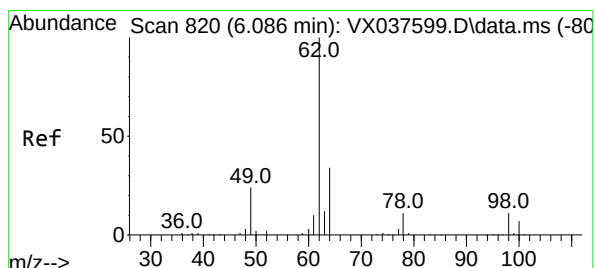
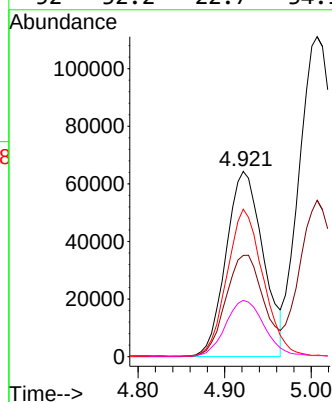
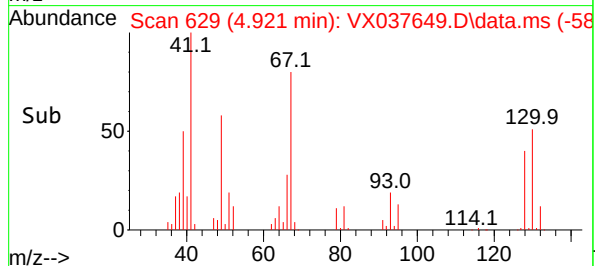
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 41 Resp: 19166
Ion Ratio Lower Upper
41 100
39 56.0 45.2 67.8
67 78.3 52.6 78.8
52 32.2 22.7 34.1

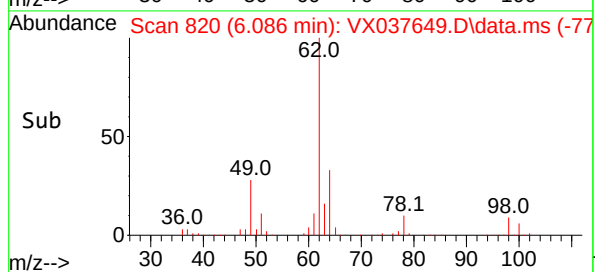
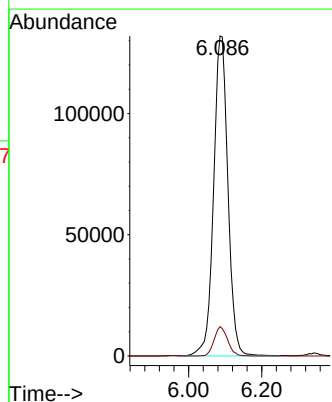
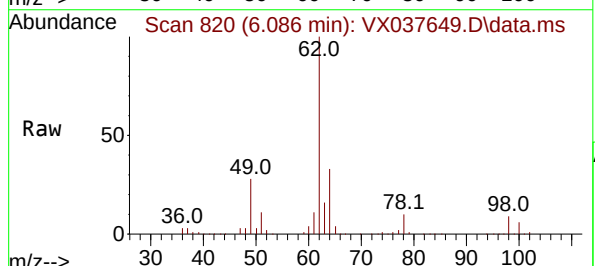
Manual Integrations
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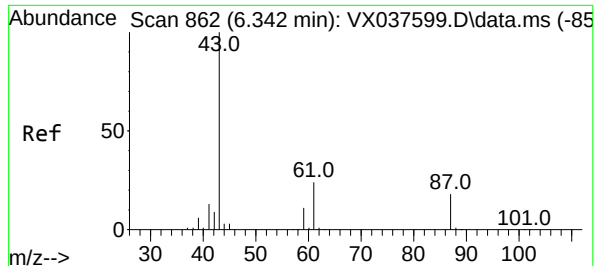
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#42
1,2-Dichloroethane
Concen: 97.725 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.001 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37

Tgt Ion: 62 Resp: 358210
Ion Ratio Lower Upper
62 100
98 8.6 0.0 16.0





#43

Isopropyl Acetate

Concen: 102.598 ug/l

RT: 6.342 min Scan# 862

Delta R.T. -0.000 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 581870

Ion Ratio Lower Upper

43 100

61 20.2 15.2 22.8

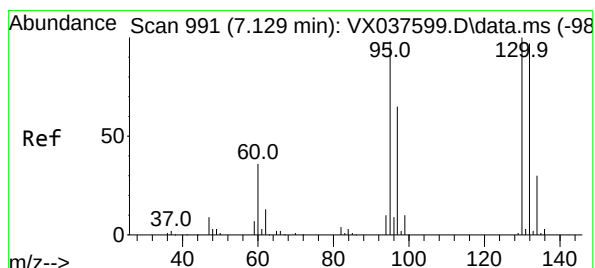
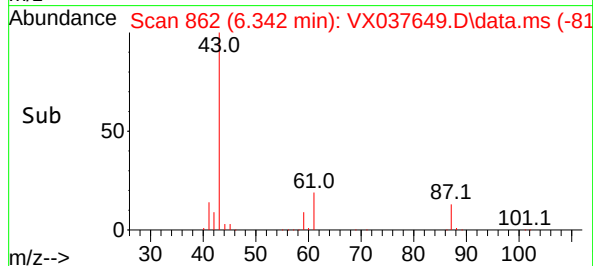
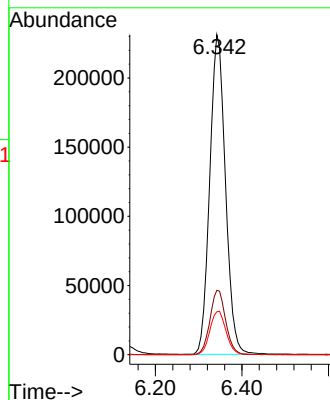
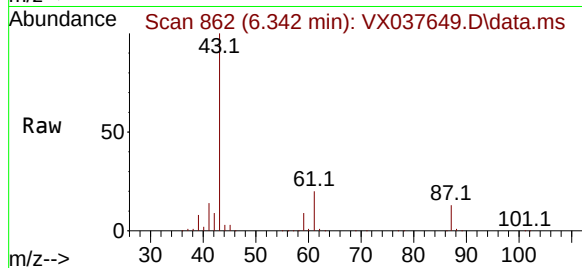
87 14.0 9.8 14.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#44

Trichloroethene

Concen: 100.514 ug/l

RT: 7.128 min Scan# 991

Delta R.T. -0.001 min

Lab File: VX037649.D

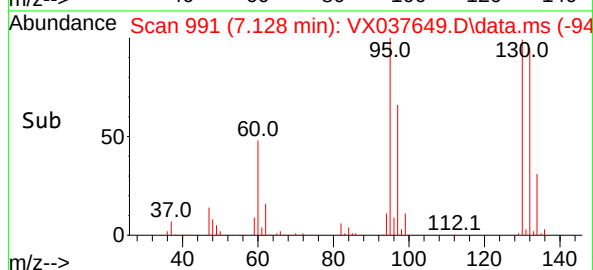
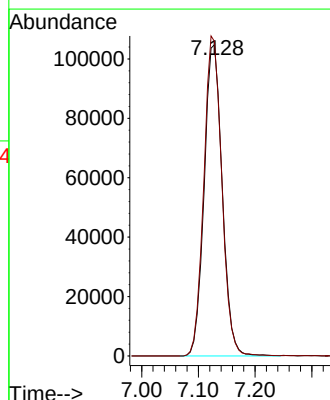
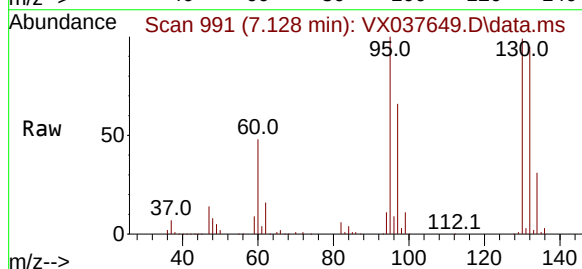
Acq: 11 Sep 2023 18:37

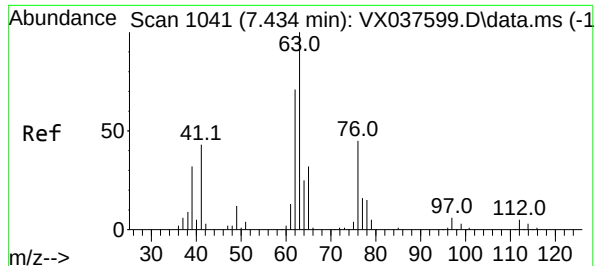
Tgt Ion:130 Resp: 232053

Ion Ratio Lower Upper

130 100

95 101.1 0.0 204.4





#45

1,2-Dichloropropane

Concen: 99.448 ug/l

RT: 7.433 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 24683

Ion Ratio Lower Upper

63 100

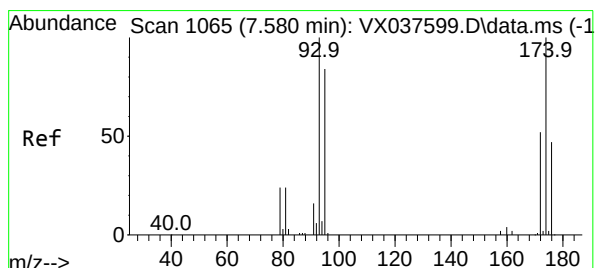
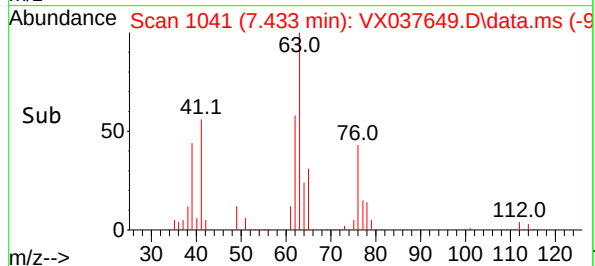
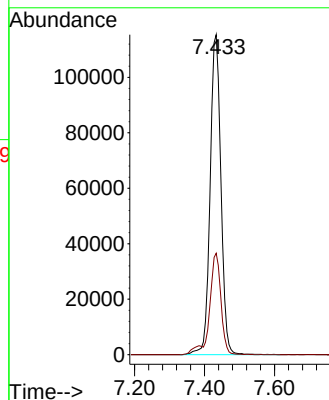
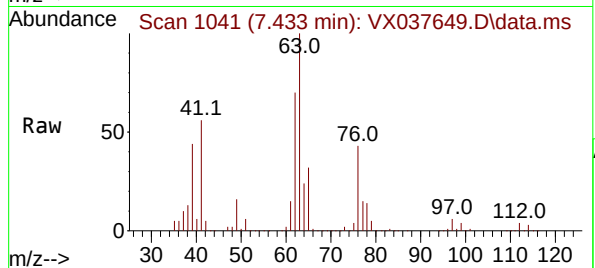
65 31.7 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#46

Dibromomethane

Concen: 100.038 ug/l

RT: 7.579 min Scan# 1065

Delta R.T. -0.001 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

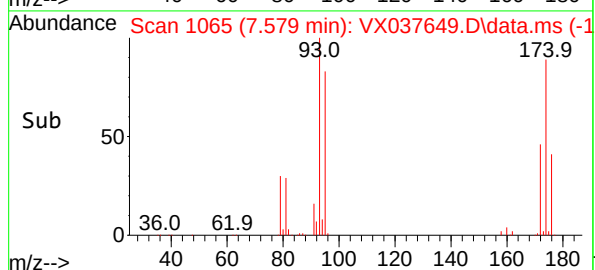
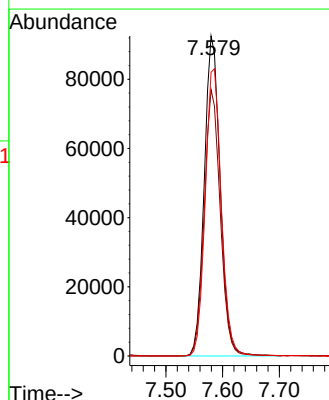
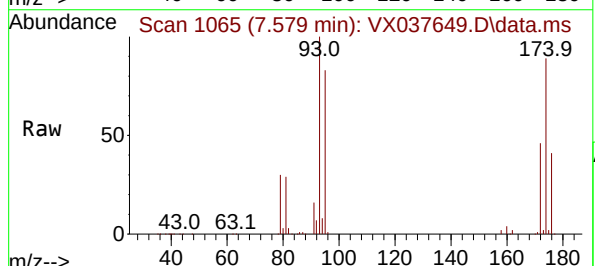
Tgt Ion: 93 Resp: 181154

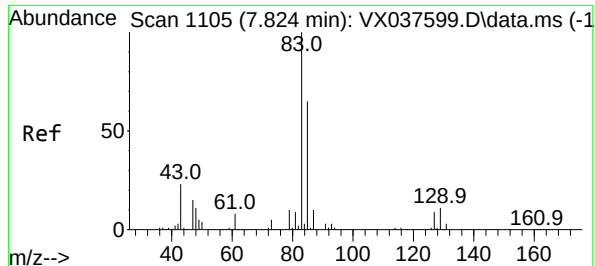
Ion Ratio Lower Upper

93 100

95 83.5 66.6 100.0

174 90.7 69.4 104.0





#47

Bromodichloromethane

Concen: 107.567 ug/l

RT: 7.823 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

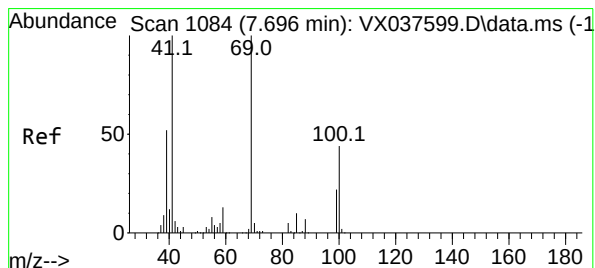
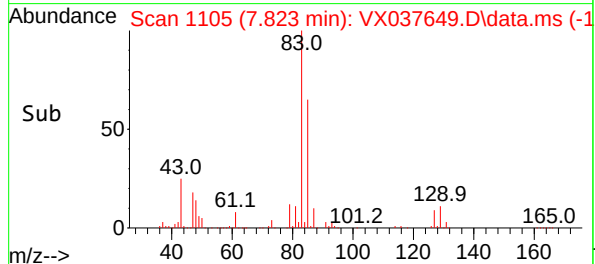
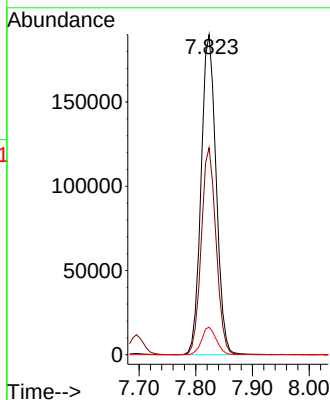
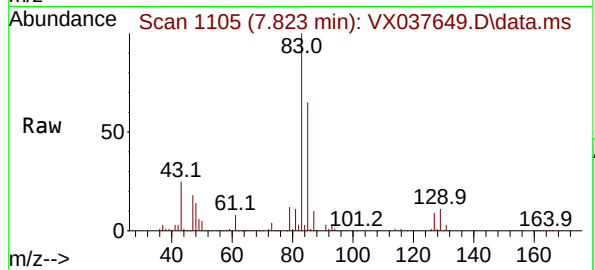
VSTDICC100

Tgt Ion: 83	Resp: 349120
Ion Ratio	Lower Upper
83	100
85	64.7 49.8 74.6
127	8.6 7.1 10.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#48

Methyl methacrylate

Concen: 100.684 ug/l

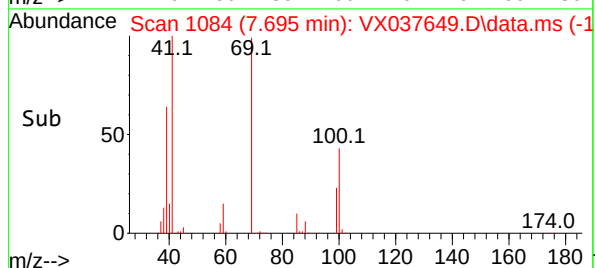
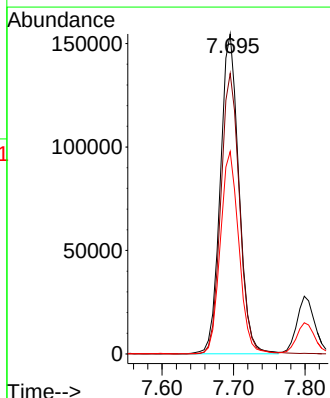
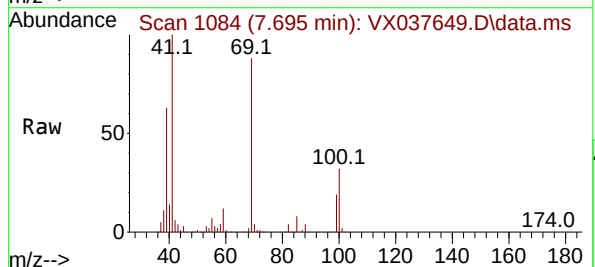
RT: 7.695 min Scan# 1084

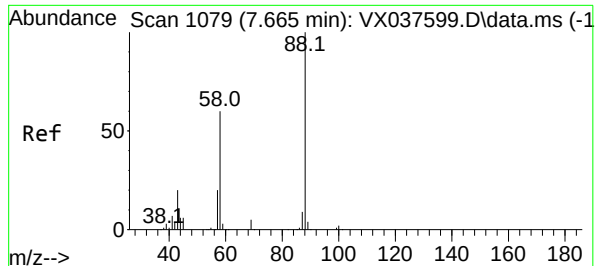
Delta R.T. -0.001 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Tgt Ion: 41	Resp: 278881
Ion Ratio	Lower Upper
41	100
69	88.7 59.2 88.8
39	63.2 47.7 71.5





#49

1,4-Dioxane

Concen: 1873.758 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. -0.001 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 88 Resp: 12927

Ion Ratio Lower Upper

88 100

43 30.8 0.0 0.0

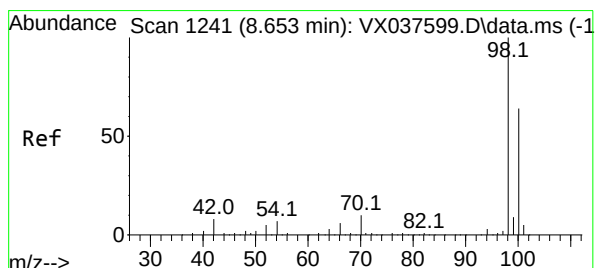
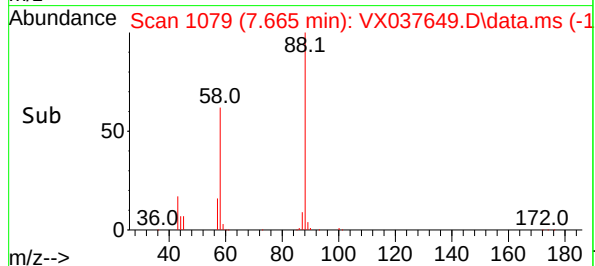
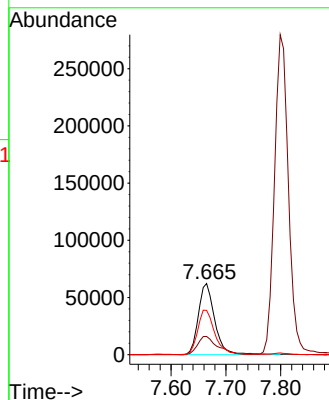
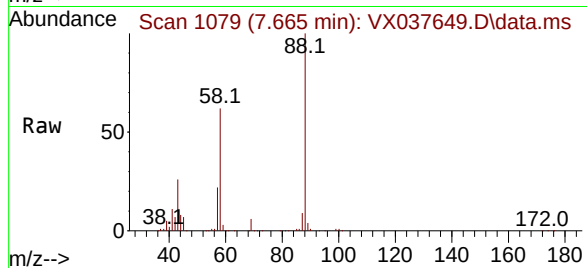
58 65.6 60.1 90.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#50

Toluene-d8

Concen: 101.316 ug/l

RT: 8.652 min Scan# 1241

Delta R.T. -0.001 min

Lab File: VX037649.D

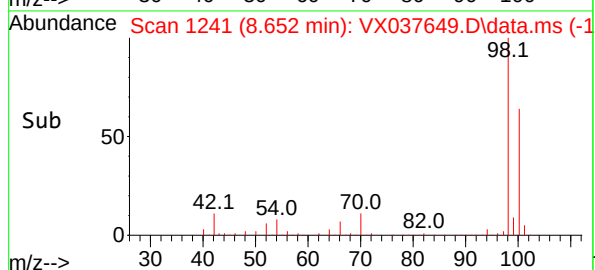
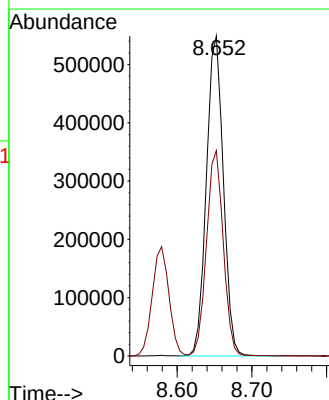
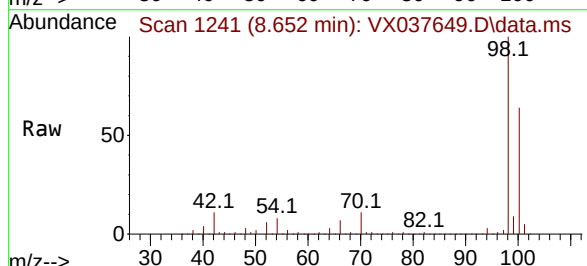
Acq: 11 Sep 2023 18:37

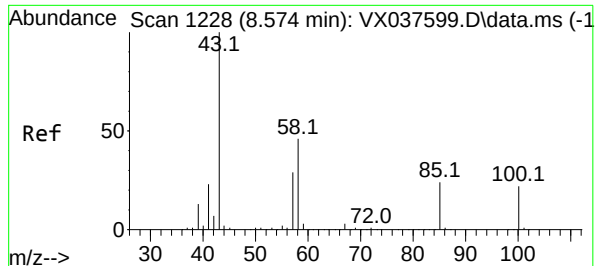
Tgt Ion: 98 Resp: 861985

Ion Ratio Lower Upper

98 100

100 63.5 53.1 79.7





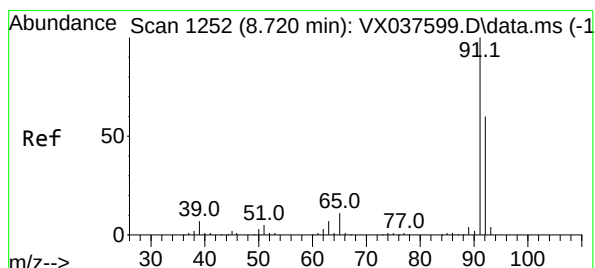
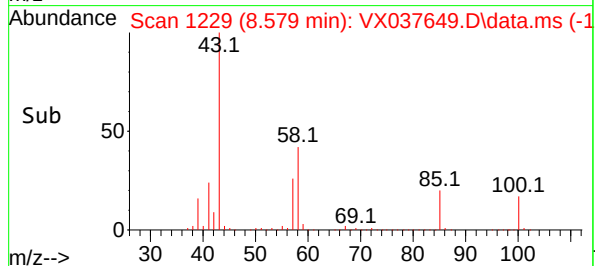
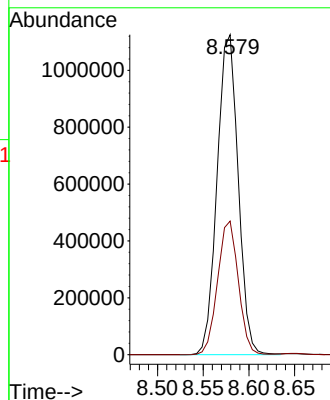
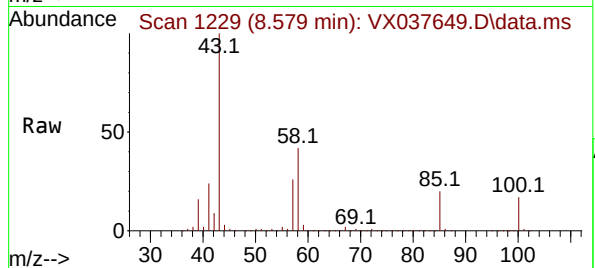
#51
4-Methyl-2-Pentanone
Concen: 482.530 ug/l
RT: 8.579 min Scan# 1229
Delta R.T. 0.005 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 180435
Ion Ratio Lower Upper
43 100
58 41.1 30.4 45.6

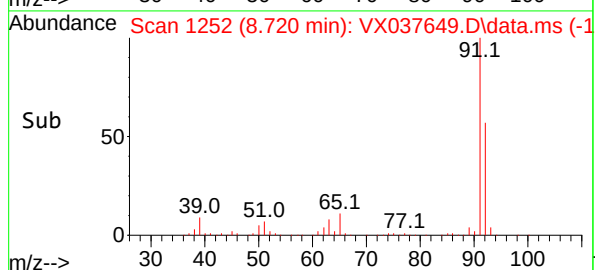
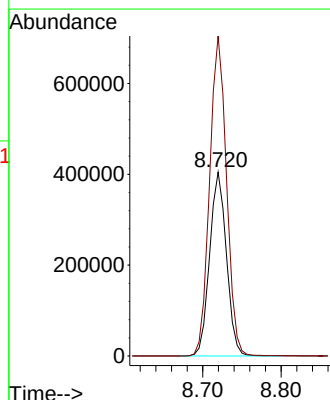
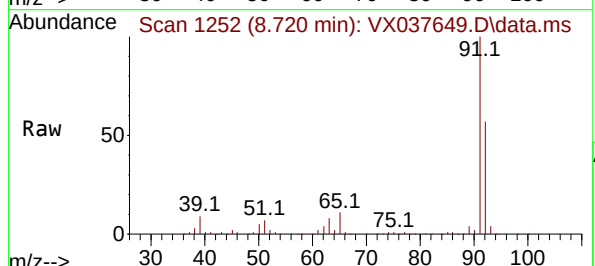
Manual Integrations
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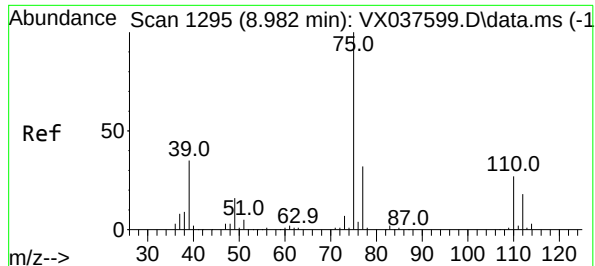
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#52
Toluene
Concen: 100.442 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37

Tgt Ion: 92 Resp: 601183
Ion Ratio Lower Upper
92 100
91 175.6 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 114.373 ug/l

RT: 8.982 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 75 Resp: 374480

Ion Ratio Lower Upper

75 100

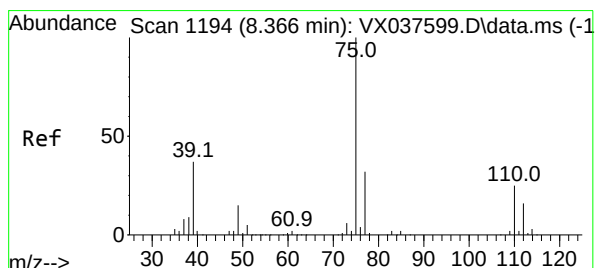
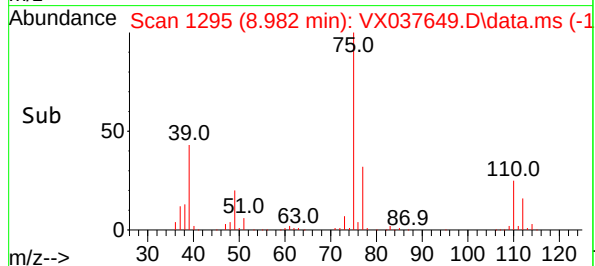
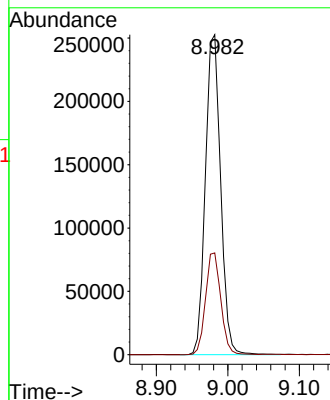
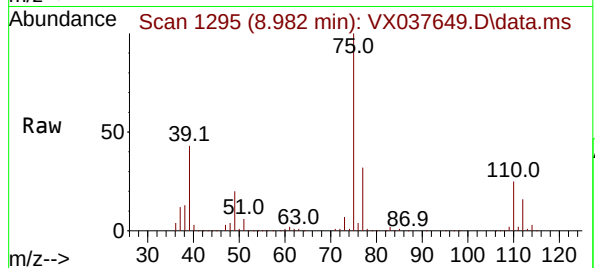
77 31.8 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#54

cis-1,3-Dichloropropene

Concen: 110.572 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. -0.001 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

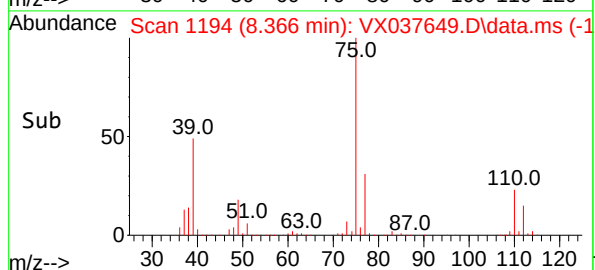
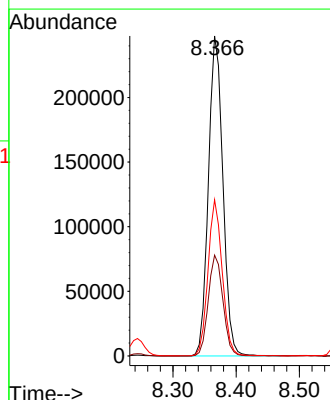
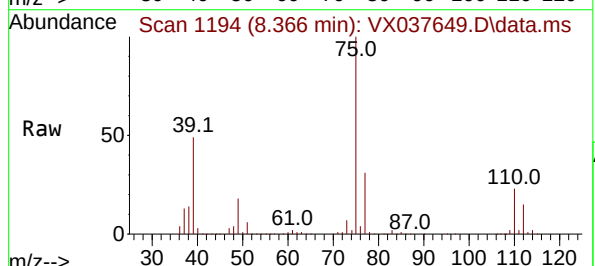
Tgt Ion: 75 Resp: 395587

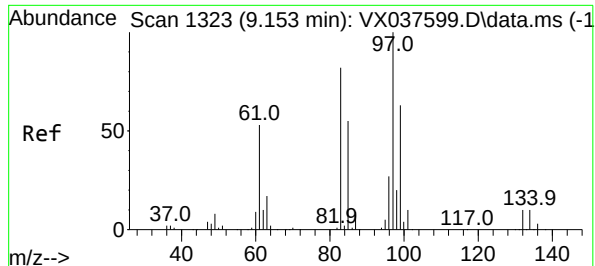
Ion Ratio Lower Upper

75 100

77 31.5 25.3 37.9

39 48.7 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 99.619 ug/l

RT: 9.152 min Scan# 1323

Delta R.T. -0.000 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 97 Resp: 256389

Ion Ratio Lower Upper

97 100

83 87.8 65.8 98.8

85 56.5 41.6 62.4

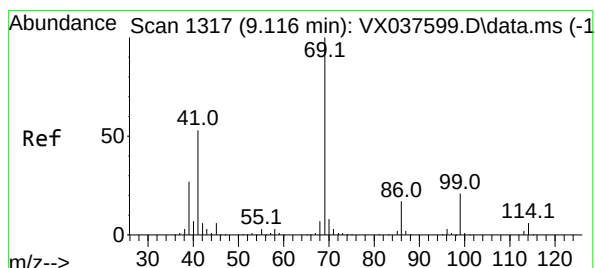
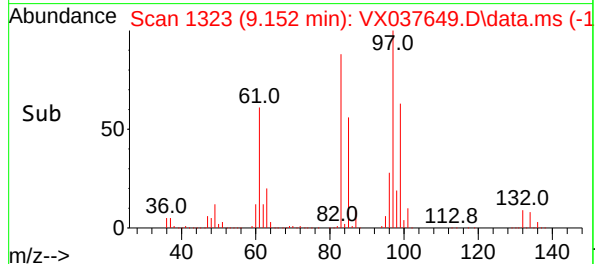
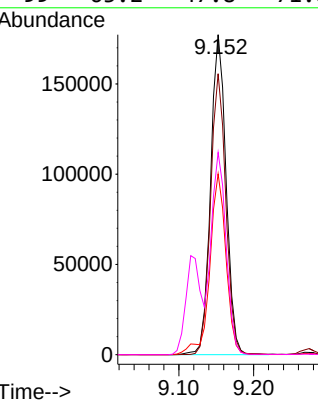
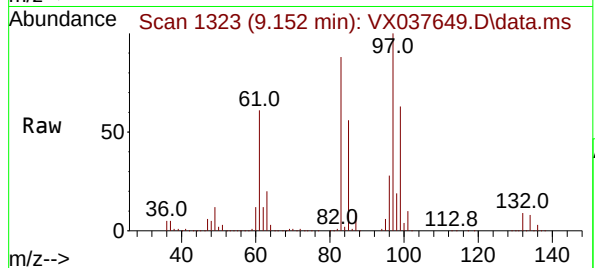
99 63.2 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#56

Ethyl methacrylate

Concen: 105.091 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.001 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

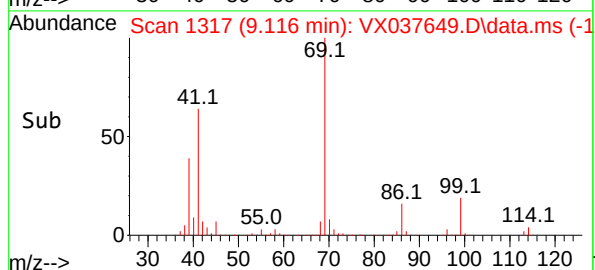
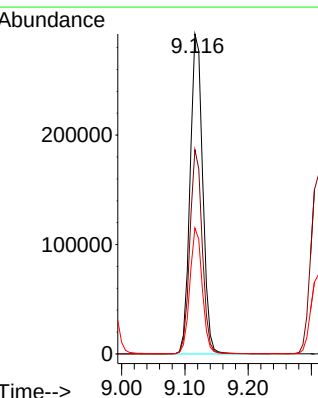
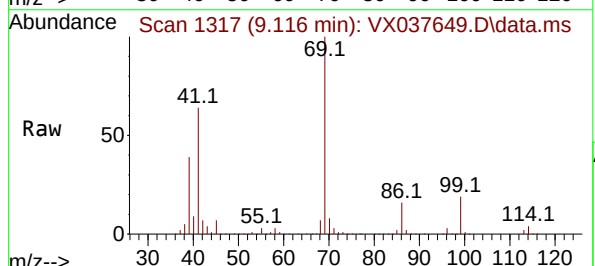
Tgt Ion: 69 Resp: 406472

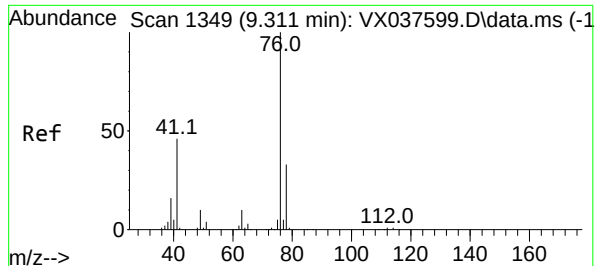
Ion Ratio Lower Upper

69 100

41 62.6 56.8 85.2

39 38.6 32.0 48.0





#57

1,3-Dichloropropane

Concen: 97.920 ug/l

RT: 9.311 min Scan# 11

Delta R.T. -0.001 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 419529

Ion Ratio Lower Upper

76 100

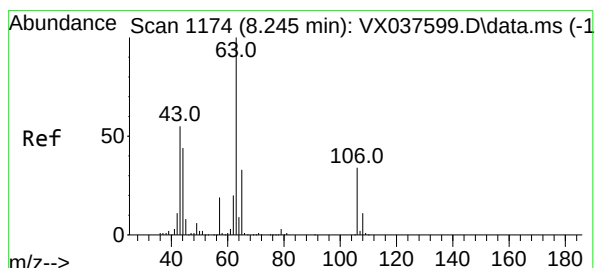
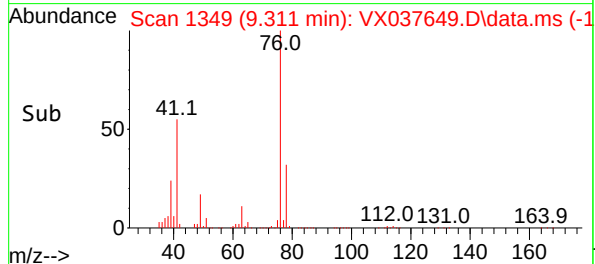
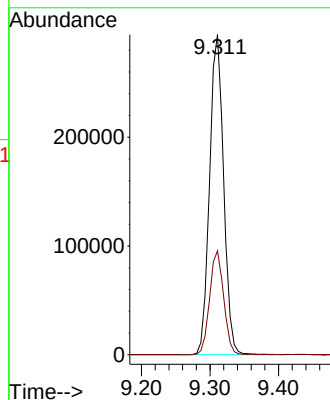
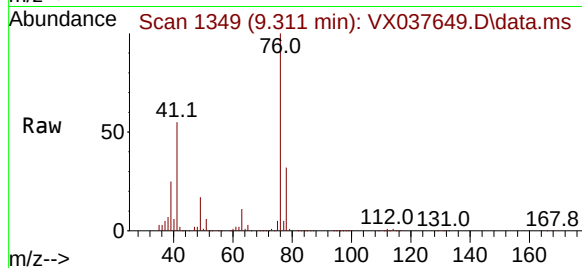
78 32.4 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#58

2-Chloroethyl Vinyl ether

Concen: 536.096 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. -0.001 min

Lab File: VX037649.D

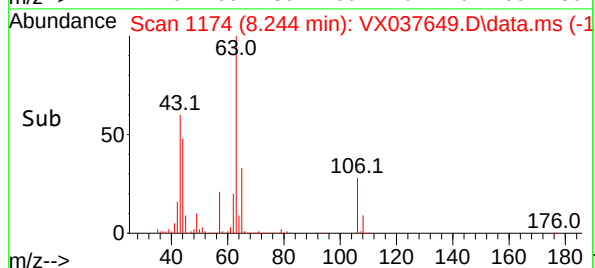
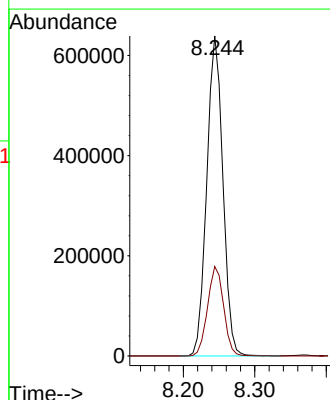
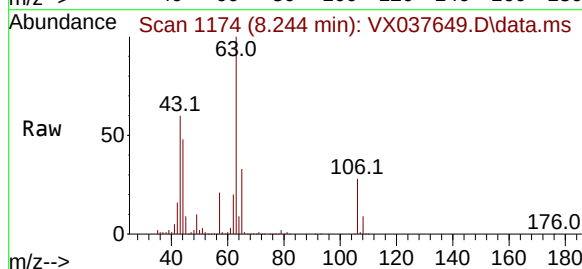
Acq: 11 Sep 2023 18:37

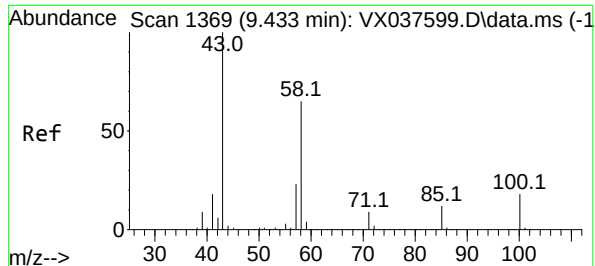
Tgt Ion: 63 Resp: 1000781

Ion Ratio Lower Upper

63 100

106 27.8 22.5 33.7





#59

2-Hexanone

Concen: 488.117 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. -0.000 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 1400028

Ion Ratio Lower Upper

43 100

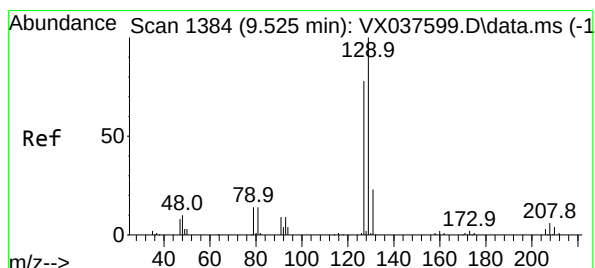
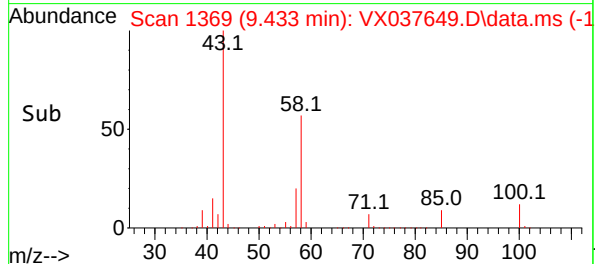
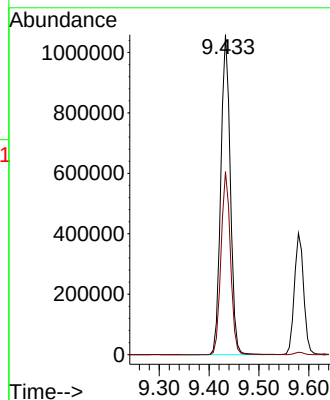
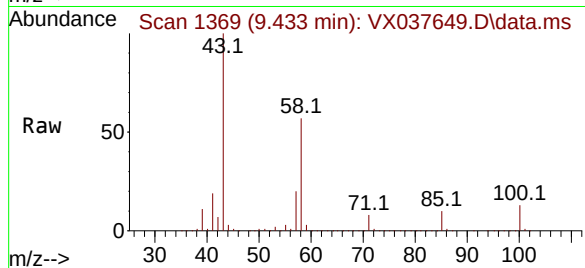
58 56.9 26.2 78.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#60

Dibromochloromethane

Concen: 109.814 ug/l

RT: 9.524 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VX037649.D

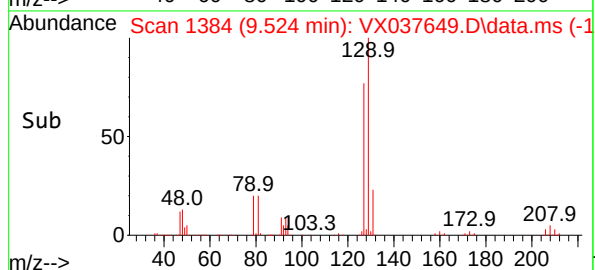
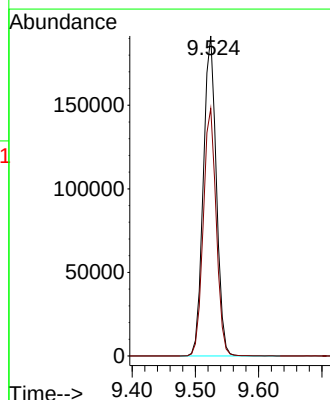
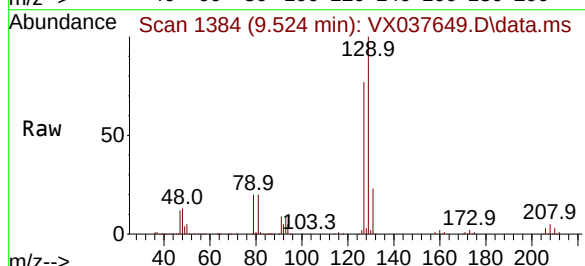
Acq: 11 Sep 2023 18:37

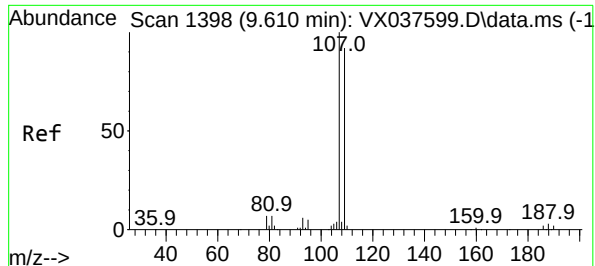
Tgt Ion:129 Resp: 274331

Ion Ratio Lower Upper

129 100

127 77.1 38.8 116.4





#61

1,2-Dibromoethane

Concen: 102.322 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:107 Resp: 277694

Ion Ratio Lower Upper

107 100

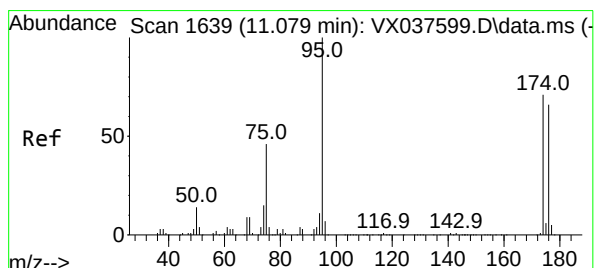
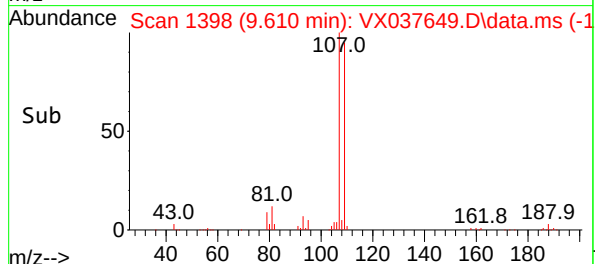
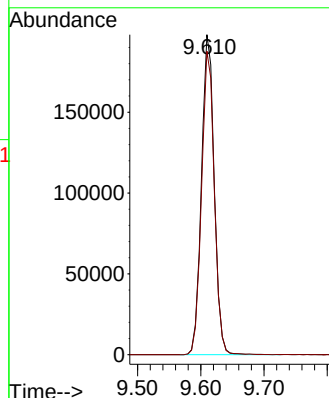
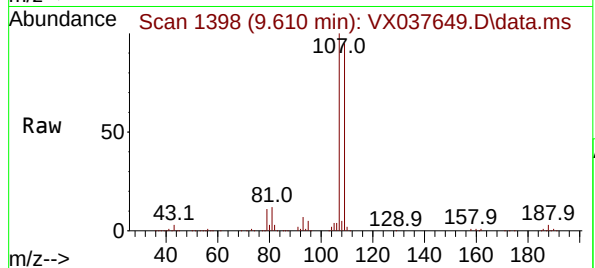
109 94.9 75.2 112.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#62

4-Bromofluorobenzene

Concen: 100.731 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.001 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

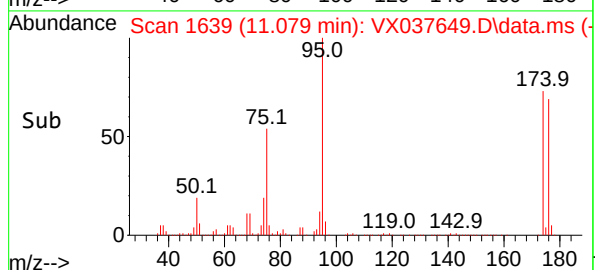
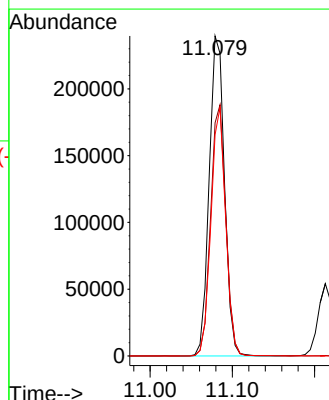
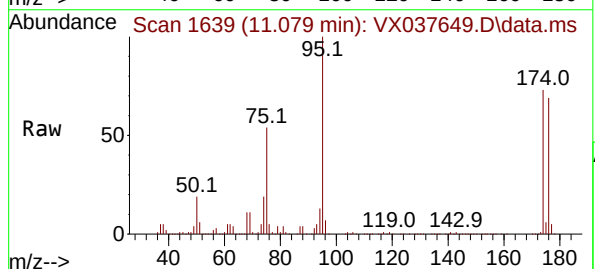
Tgt Ion: 95 Resp: 309187

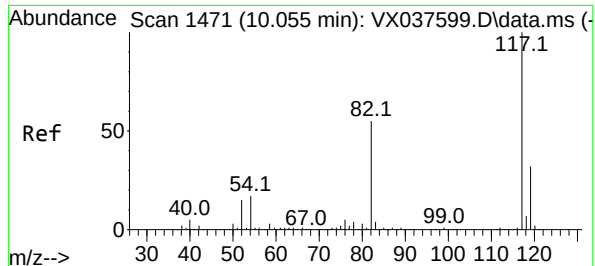
Ion Ratio Lower Upper

95 100

174 78.1 0.0 135.6

176 75.0 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.001 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:117 Resp: 30567

Ion Ratio Lower Upper

117 100

82 56.3 46.2 69.4

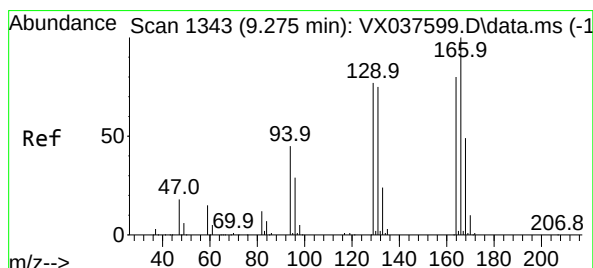
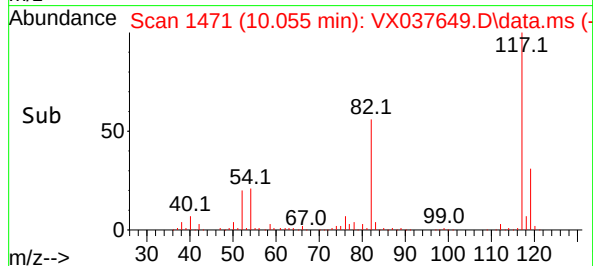
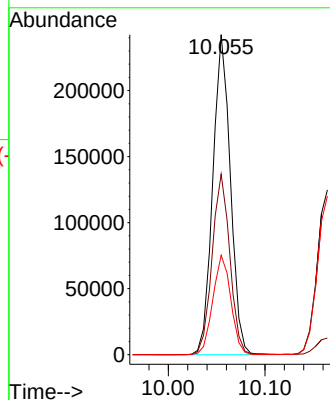
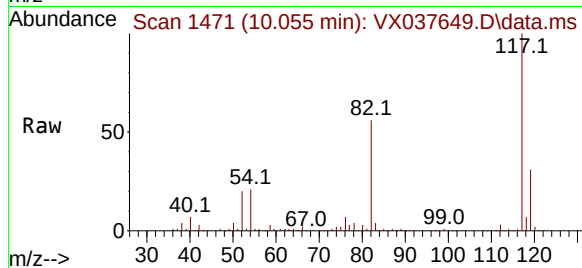
119 31.0 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#64

Tetrachloroethene

Concen: 99.369 ug/l

RT: 9.274 min Scan# 1343

Delta R.T. -0.001 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Tgt Ion:164 Resp: 194572

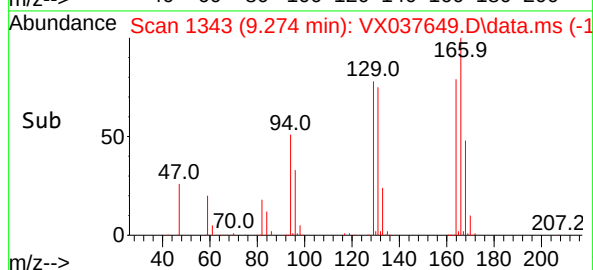
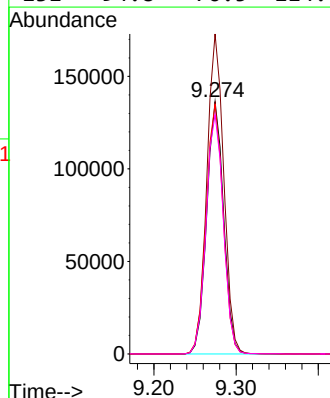
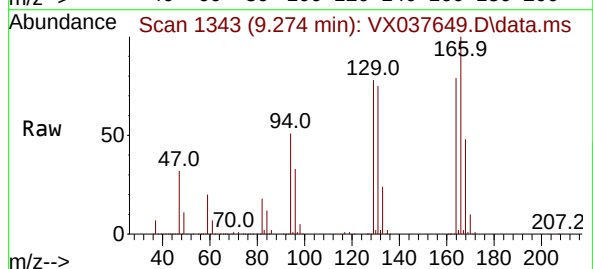
Ion Ratio Lower Upper

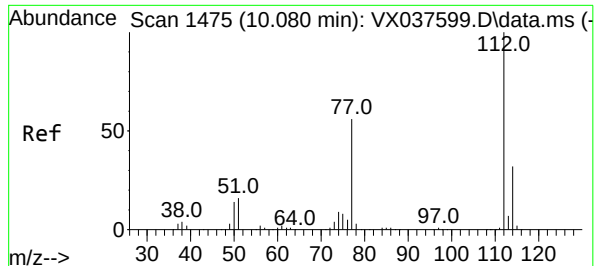
164 100

166 126.8 102.7 154.1

129 99.0 80.4 120.6

131 94.8 76.5 114.7





#65

Chlorobenzene

Concen: 97.205 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. -0.001 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:112 Resp: 640548

Ion Ratio Lower Upper

112 100

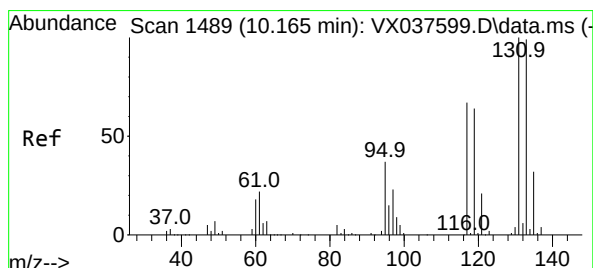
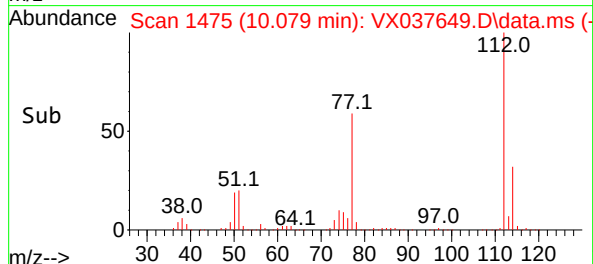
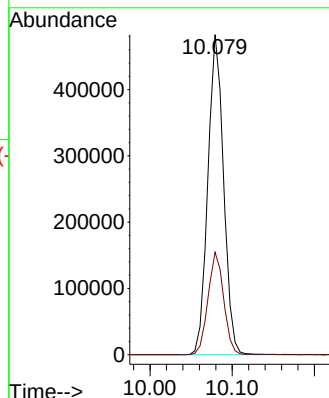
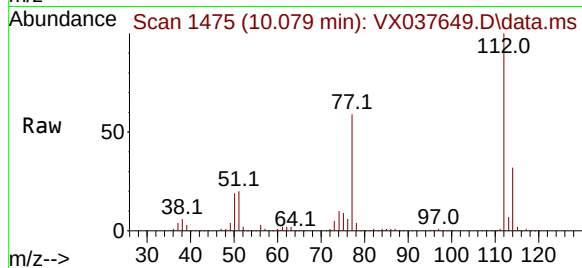
114 32.0 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#66

1,1,1,2-Tetrachloroethane

Concen: 105.260 ug/l

RT: 10.164 min Scan# 1489

Delta R.T. -0.001 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

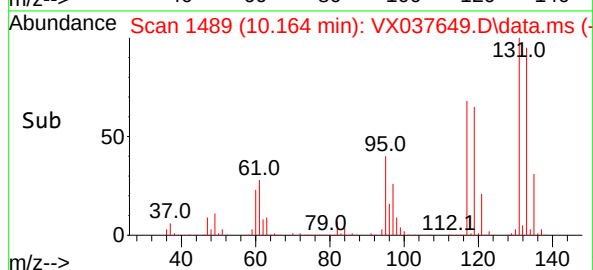
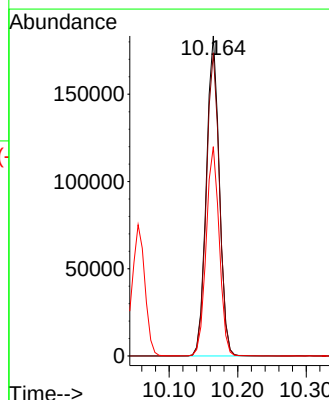
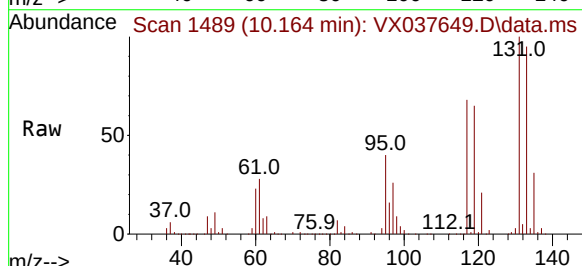
Tgt Ion:131 Resp: 242071

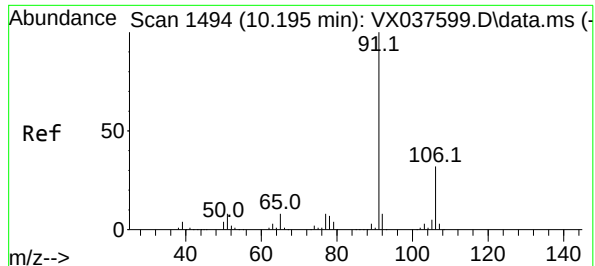
Ion Ratio Lower Upper

131 100

133 95.6 47.1 141.4

119 66.0 32.2 96.6





#67

Ethyl Benzene

Concen: 99.447 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. -0.001 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 1165372

Ion Ratio Lower Upper

91 100

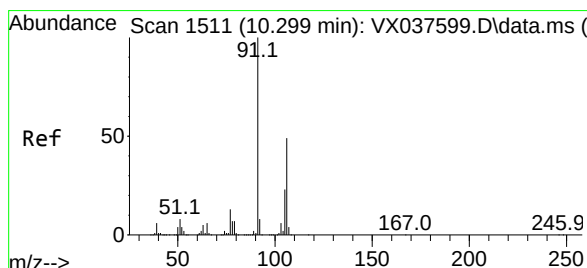
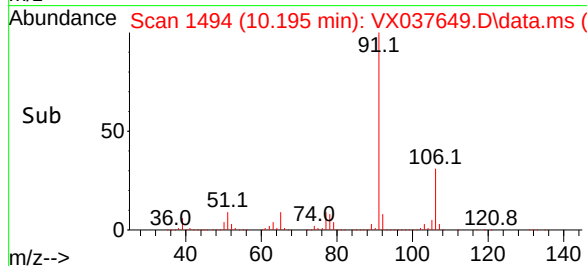
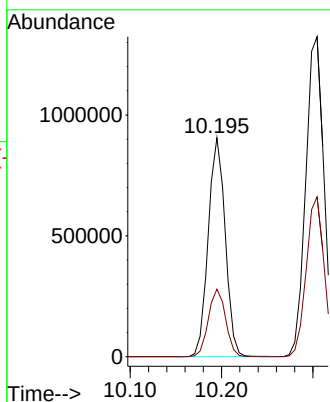
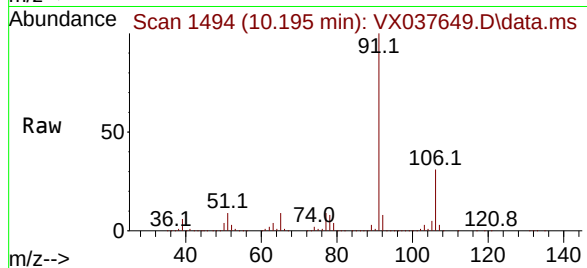
106 30.9 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#68

m/p-Xylenes

Concen: 201.258 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX037649.D

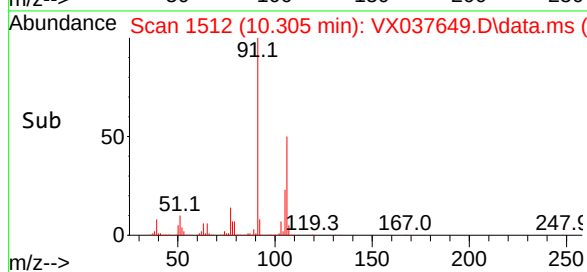
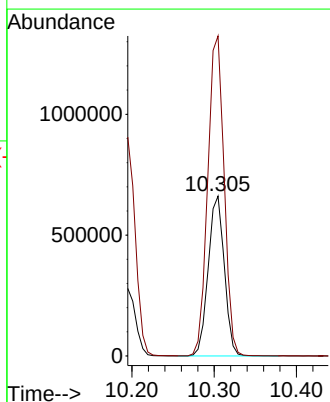
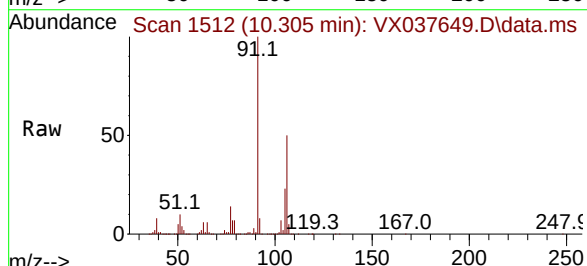
Acq: 11 Sep 2023 18:37

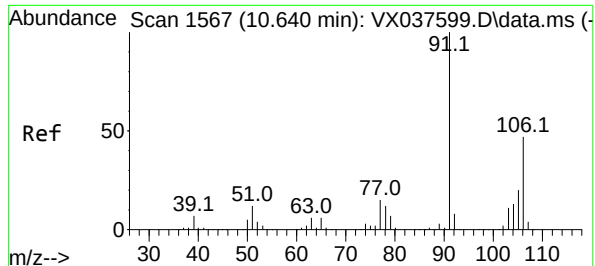
Tgt Ion:106 Resp: 898640

Ion Ratio Lower Upper

106 100

91 203.8 165.5 248.3





#69

o-Xylene

Concen: 101.440 ug/l

RT: 10.646 min Scan# 1567

Delta R.T. 0.006 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:106 Resp: 44913

Ion Ratio Lower Upper

106 100

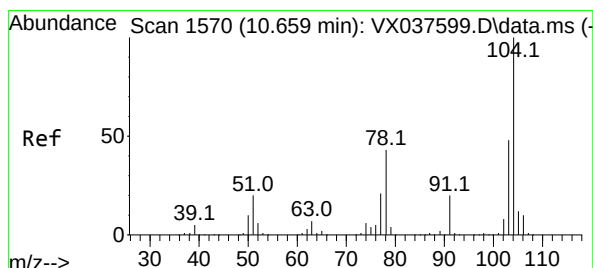
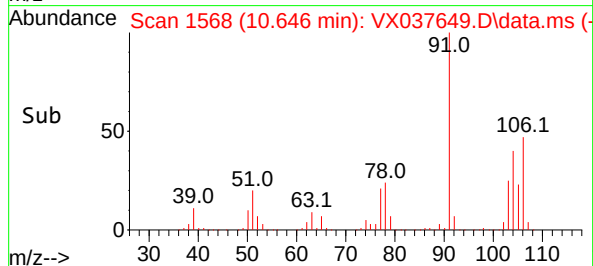
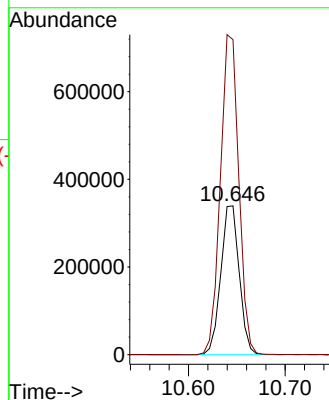
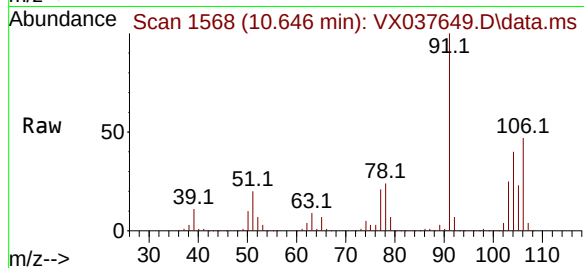
91 214.9 108.9 326.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#70

Styrene

Concen: 102.426 ug/l

RT: 10.658 min Scan# 1570

Delta R.T. -0.001 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

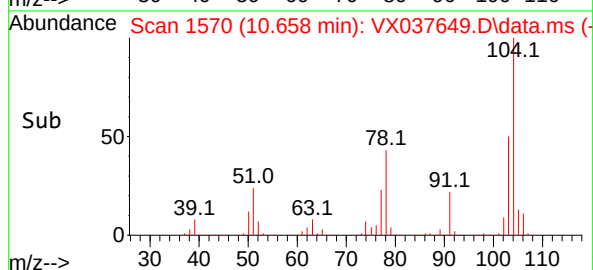
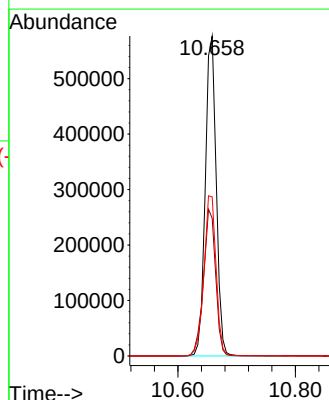
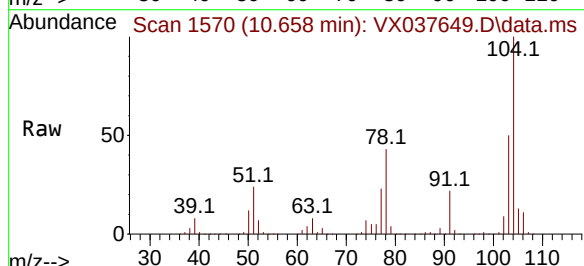
Tgt Ion:104 Resp: 748191

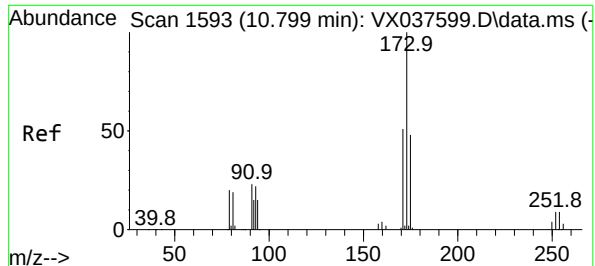
Ion Ratio Lower Upper

104 100

78 51.0 43.6 65.4

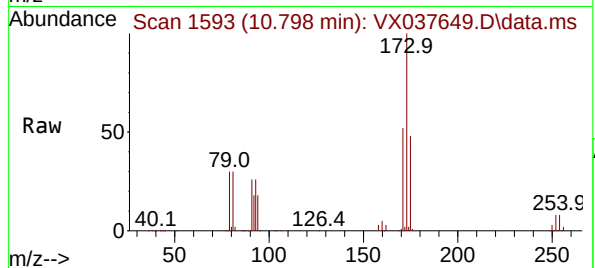
103 55.7 43.6 65.4





#71
Bromoform
Concen: 112.948 ug/l
RT: 10.798 min Scan# 1593
Delta R.T. -0.001 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37

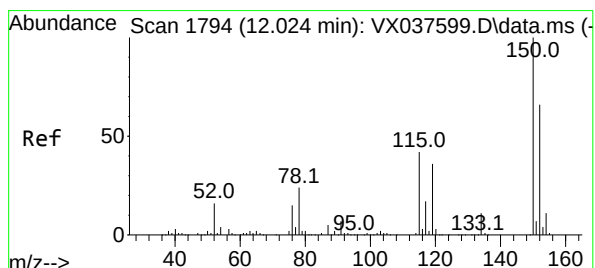
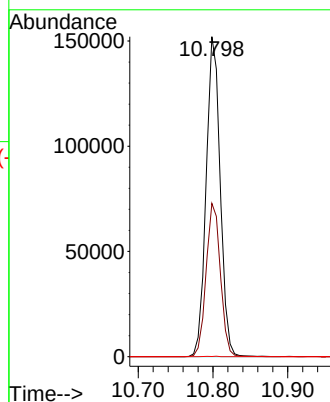
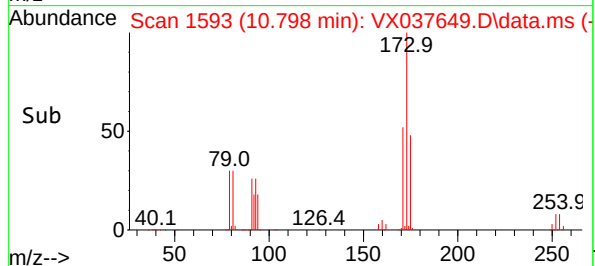
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:173 Resp: 198560
Ion Ratio Lower Upper
173 100
175 48.6 24.1 72.4
254 0.1 0.0 0.0

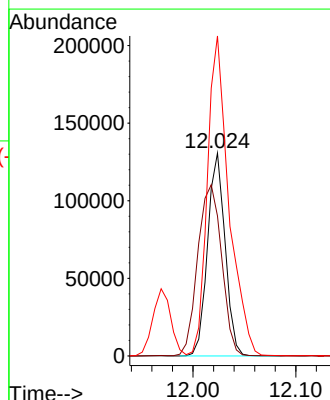
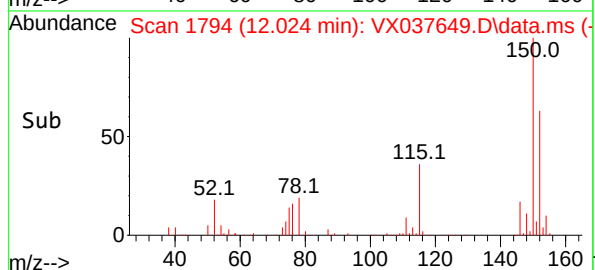
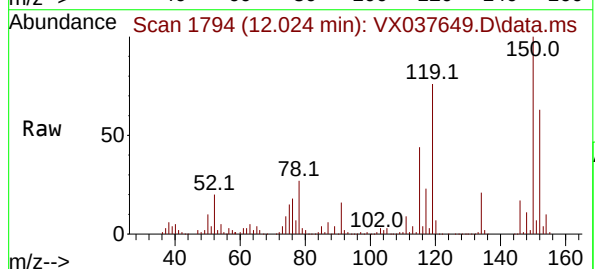
Manual Integrations
APPROVED

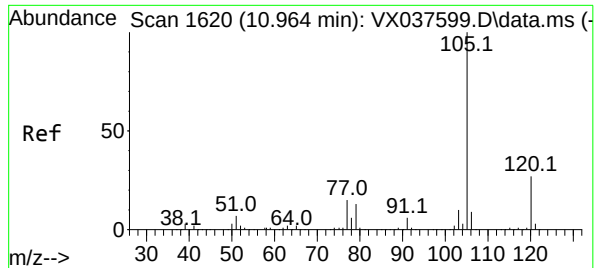
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.001 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37

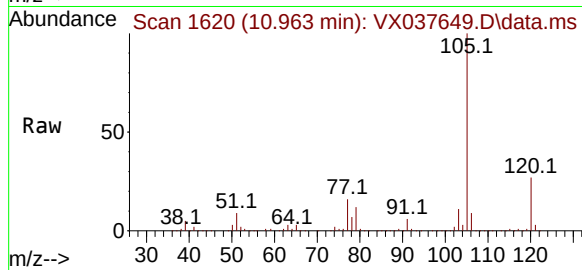
Tgt Ion:152 Resp: 155309
Ion Ratio Lower Upper
152 100
115 115.3 43.3 129.9
150 193.0 0.0 345.0





#73
Isopropylbenzene
Concen: 98.108 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.001 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37

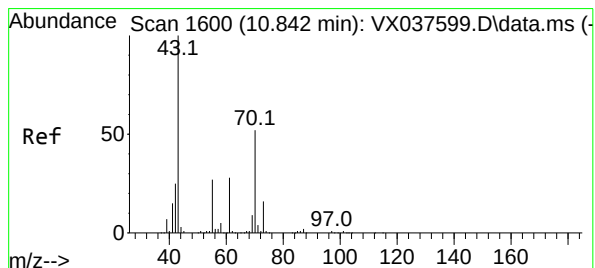
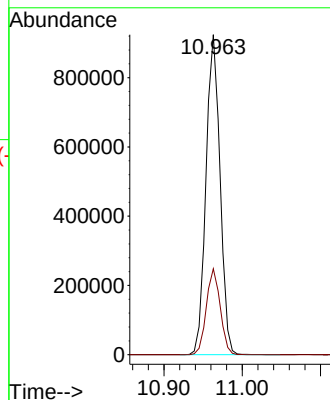
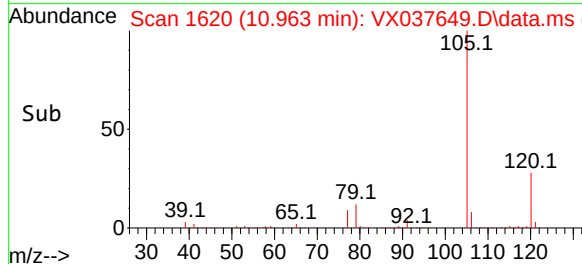
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



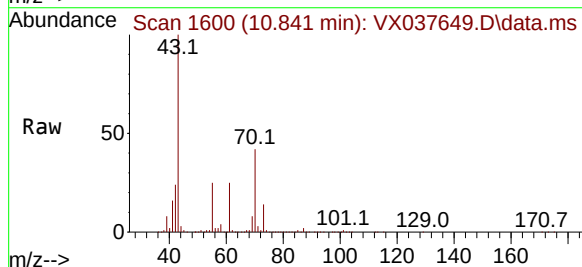
Tgt Ion:105 Resp: 1146669
Ion Ratio Lower Upper
105 100
120 26.5 12.9 38.6

Manual Integrations
APPROVED

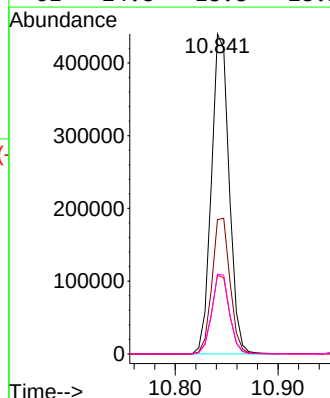
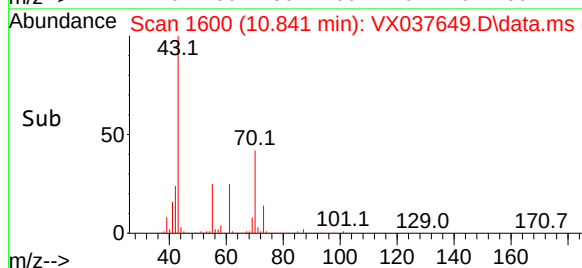
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

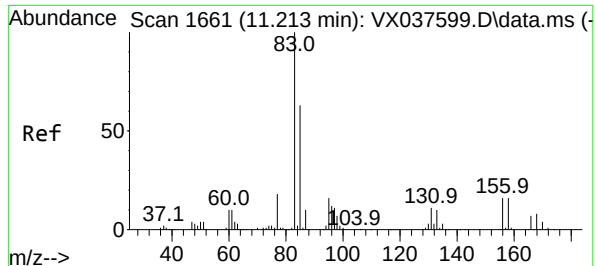


#74
N-ethyl acetate
Concen: 102.670 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37



Tgt Ion: 43 Resp: 527517
Ion Ratio Lower Upper
43 100
70 43.1 32.9 49.3
55 24.8 19.3 28.9
61 24.8 18.8 28.2





#75

1,1,2,2-Tetrachloroethane

Concen: 95.409 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.001 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 422798

Ion Ratio Lower Upper

83 100

131 9.8 5.3 15.8

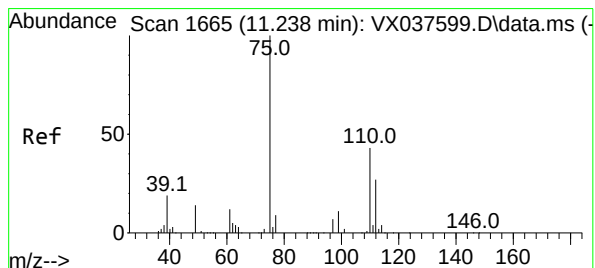
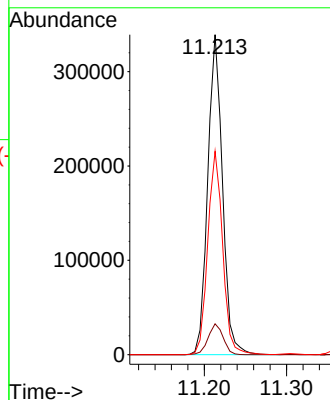
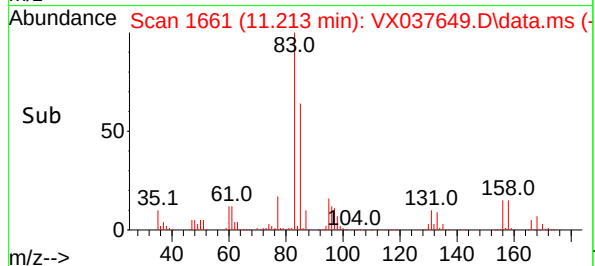
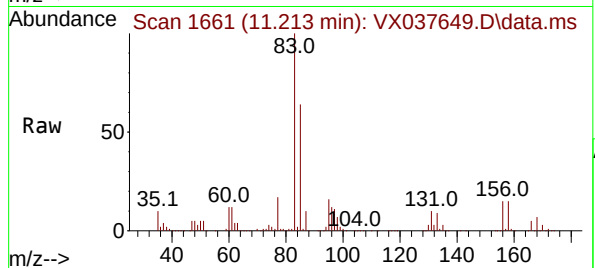
85 64.3 32.0 96.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#76

1,2,3-Trichloropropane

Concen: 94.100 ug/l m

RT: 11.237 min Scan# 1665

Delta R.T. -0.001 min

Lab File: VX037649.D

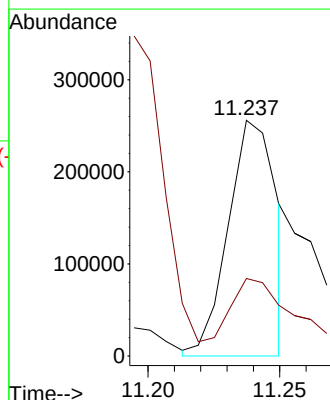
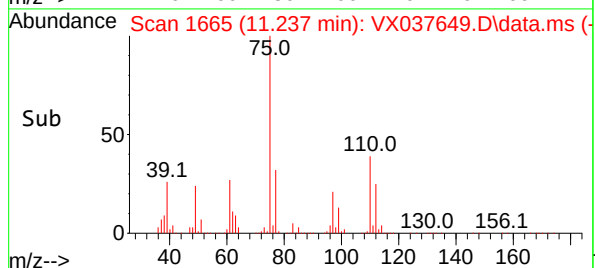
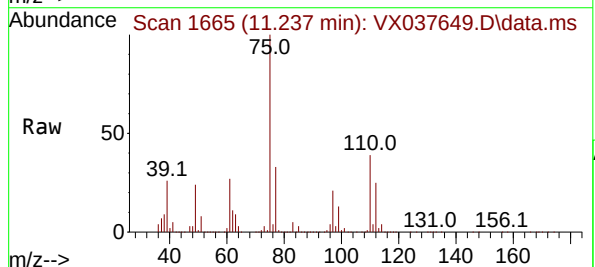
Acq: 11 Sep 2023 18:37

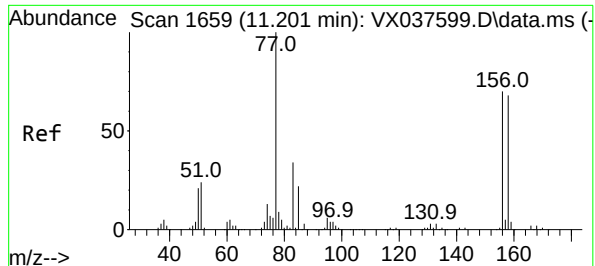
Tgt Ion: 75 Resp: 324458

Ion Ratio Lower Upper

75 100

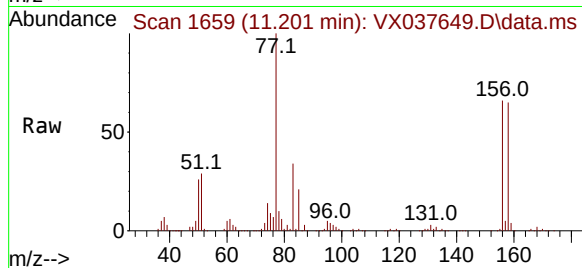
77 46.4 19.1 57.5





#77
Bromobenzene
Concen: 98.590 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. -0.000 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37

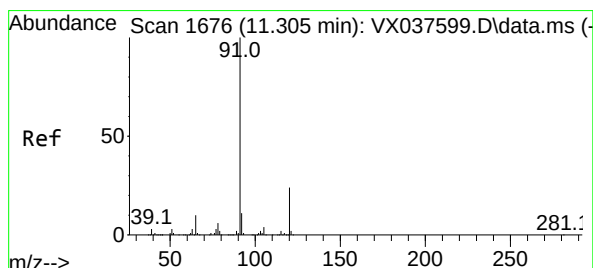
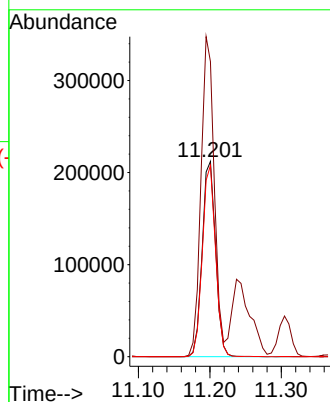
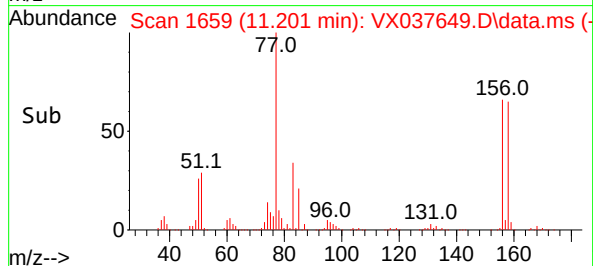
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



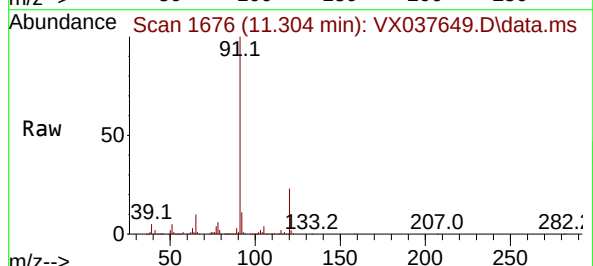
Tgt Ion: 156 Resp: 276540
Ion Ratio Lower Upper
156 100
77 161.3 88.4 265.3
158 96.6 48.0 144.0

Manual Integrations
APPROVED

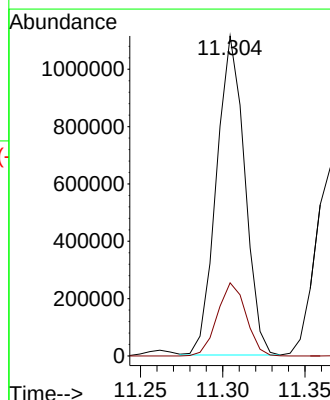
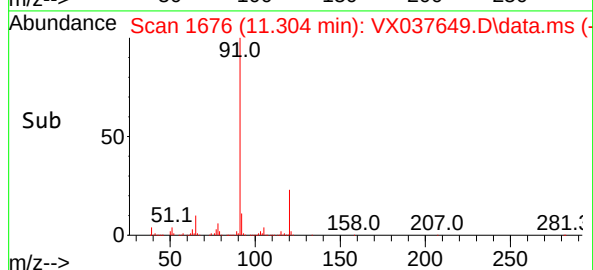
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

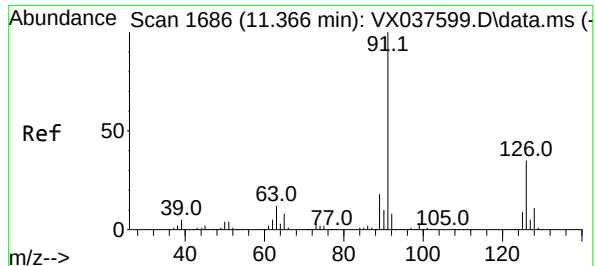


#78
n-propylbenzene
Concen: 98.710 ug/l
RT: 11.304 min Scan# 1676
Delta R.T. -0.001 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37



Tgt Ion: 91 Resp: 1331563
Ion Ratio Lower Upper
91 100
120 23.2 11.5 34.4





#79

2-Chlorotoluene

Concen: 95.862 ug/l

RT: 11.365 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 795258

Ion Ratio Lower Upper

91 100

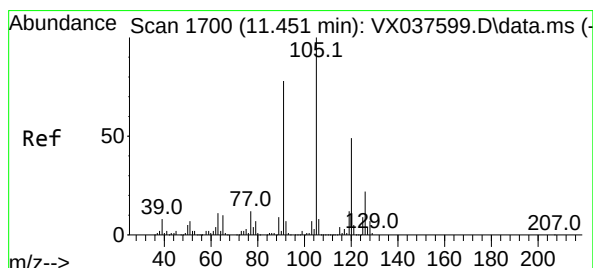
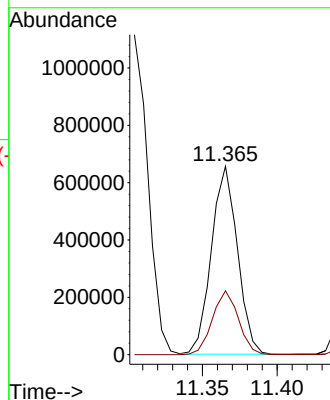
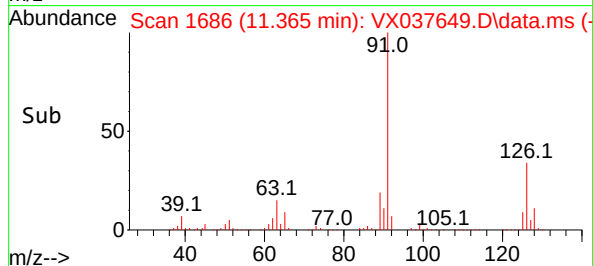
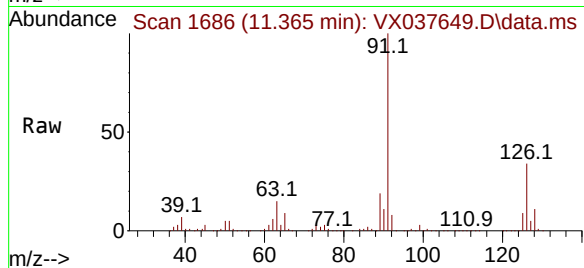
126 33.9 16.3 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#80

1,3,5-Trimethylbenzene

Concen: 100.064 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX037649.D

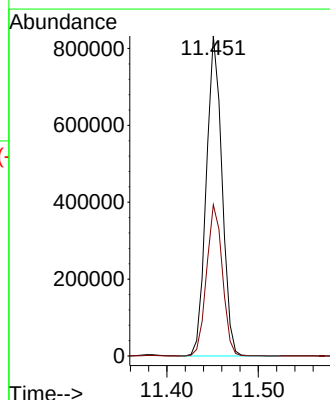
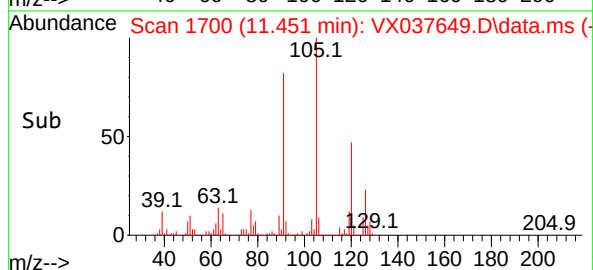
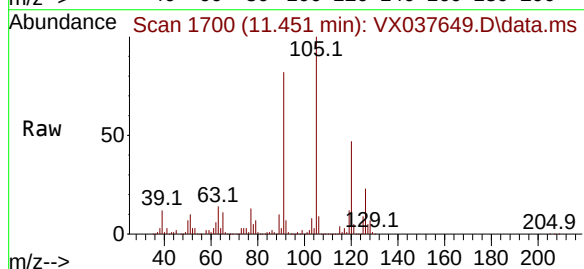
Acq: 11 Sep 2023 18:37

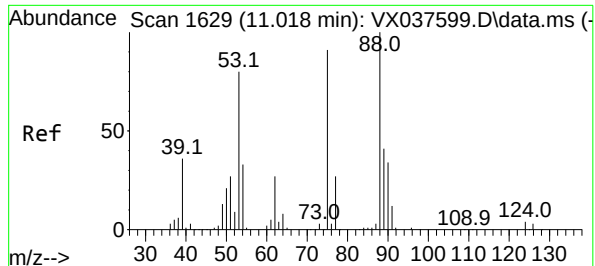
Tgt Ion:105 Resp: 987959

Ion Ratio Lower Upper

105 100

120 47.7 24.1 72.3





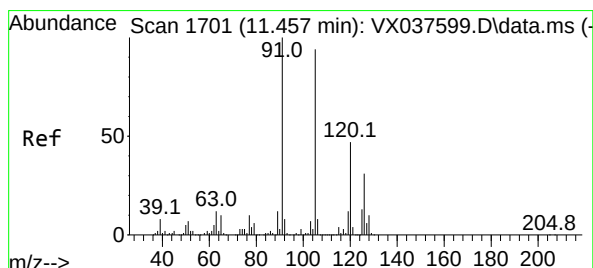
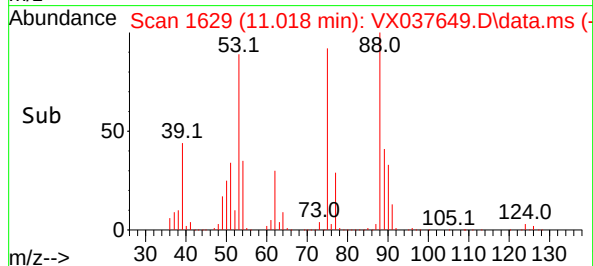
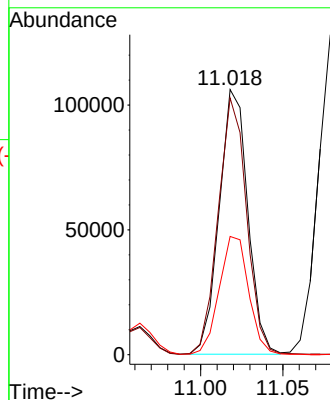
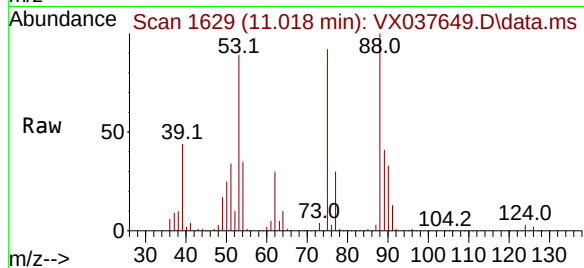
#81
trans-1,4-Dichloro-2-butene
Concen: 114.388 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 128488
Ion Ratio Lower Upper
75 100
53 96.2 90.5 135.7
89 46.3 36.9 55.3

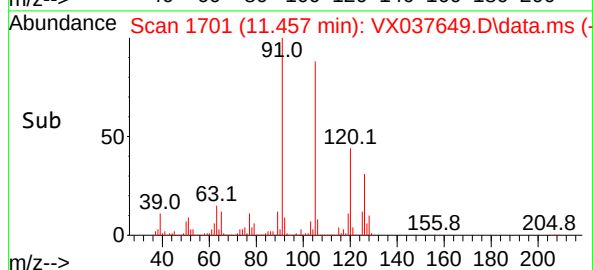
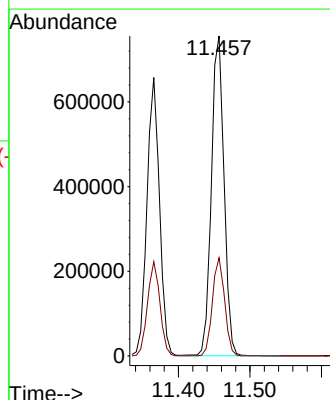
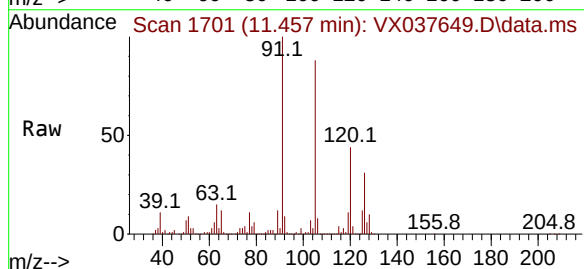
Manual Integrations
APPROVED

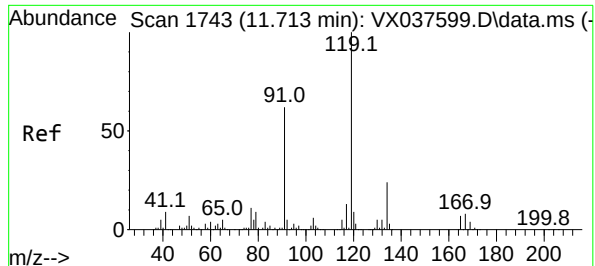
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#82
4-Chlorotoluene
Concen: 98.193 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37

Tgt Ion: 91 Resp: 927129
Ion Ratio Lower Upper
91 100
126 29.7 14.2 42.6





#83

tert-Butylbenzene

Concen: 100.155 ug/l

RT: 11.713 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

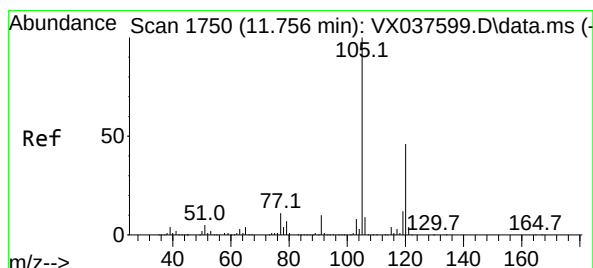
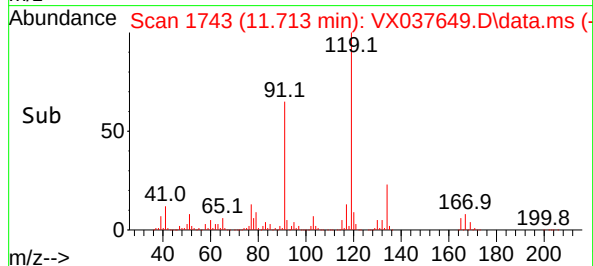
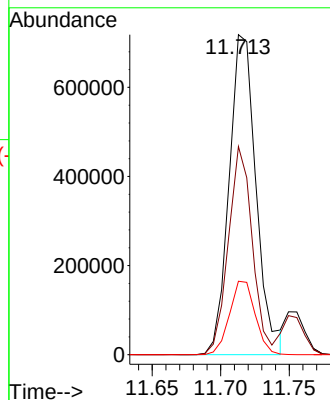
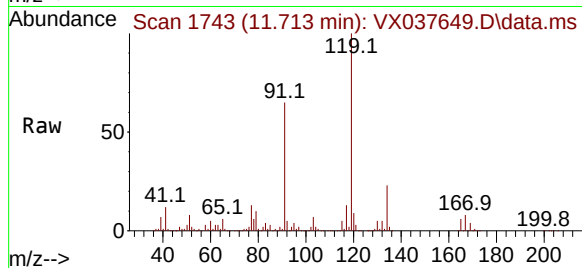
Tgt Ion:	119	Resp:	985992
Ion	Ratio	Lower	Upper
119	100		
91	57.7	31.2	93.6
134	22.0	11.7	35.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#84

1,2,4-Trimethylbenzene

Concen: 99.907 ug/l

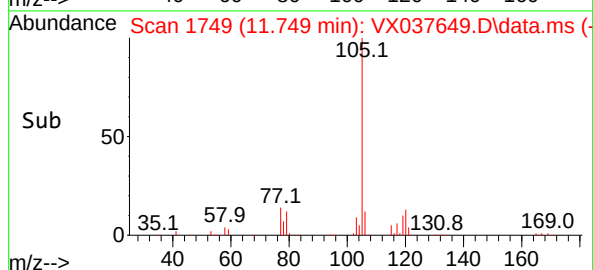
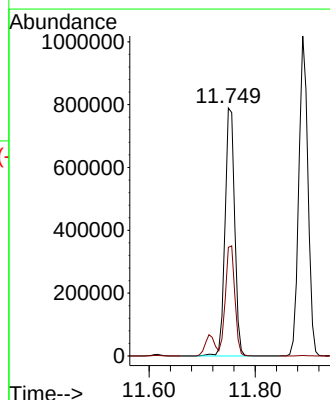
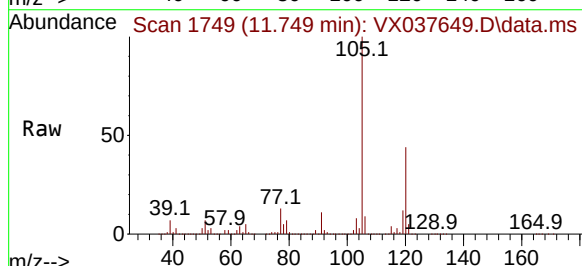
RT: 11.749 min Scan# 1749

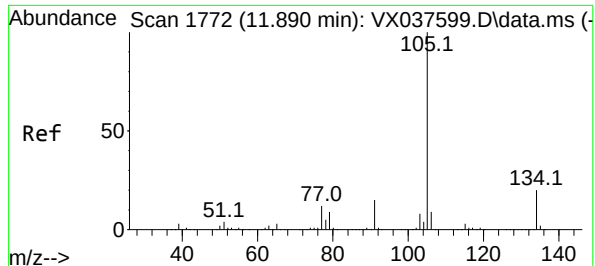
Delta R.T. -0.007 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Tgt Ion:	105	Resp:	990705
Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.2	63.6





#85

sec-Butylbenzene

Concen: 99.637 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:105 Resp: 121575

Ion Ratio Lower Upper

105 100

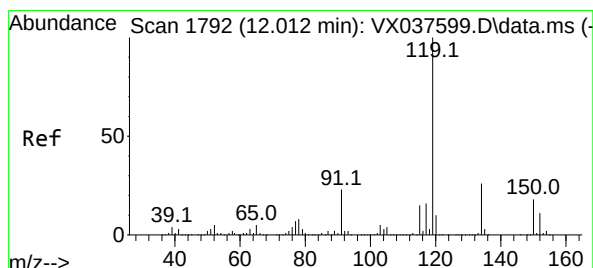
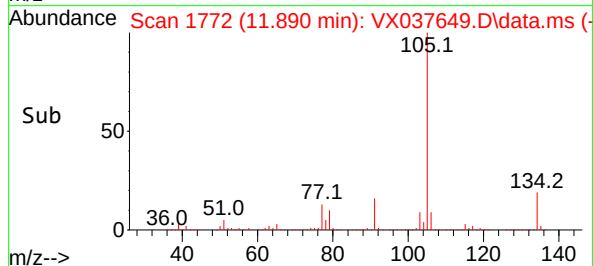
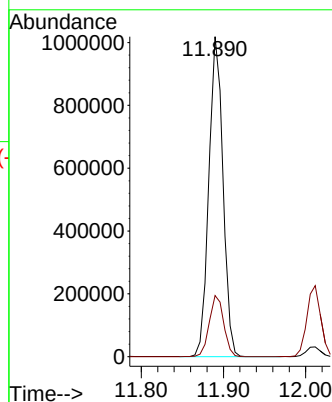
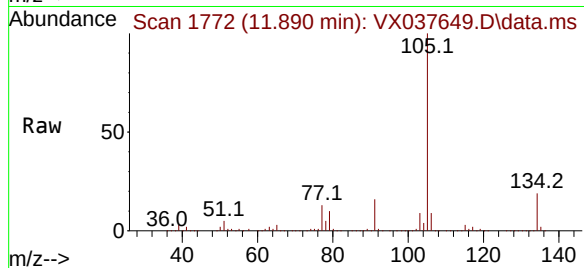
134 19.6 9.8 29.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#86

p-Isopropyltoluene

Concen: 101.482 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. -0.001 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

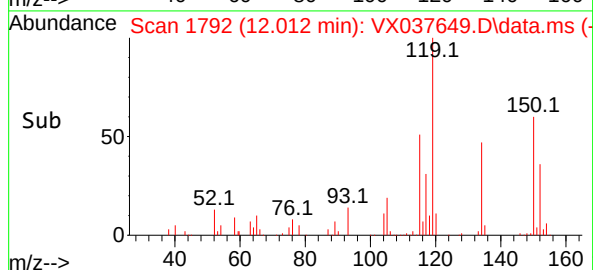
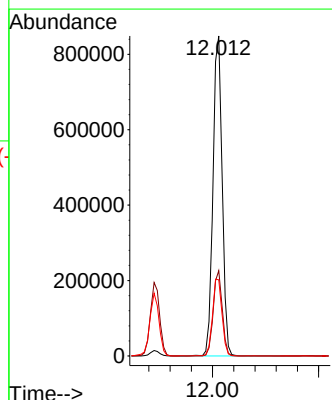
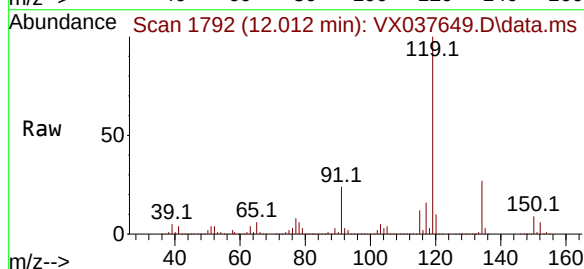
Tgt Ion:119 Resp: 1019690

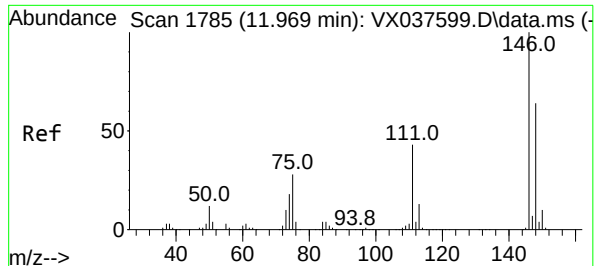
Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.3

91 24.7 13.1 39.3





#87

1,3-Dichlorobenzene

Concen: 97.104 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:146 Resp: 517514

Ion Ratio Lower Upper

146 100

111 42.2 22.1 66.1

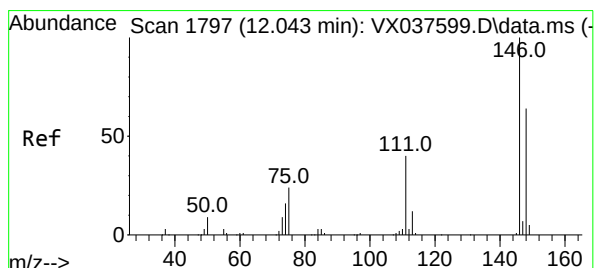
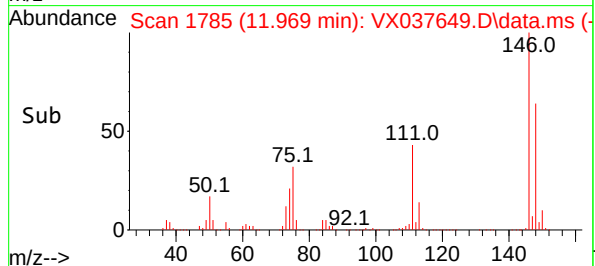
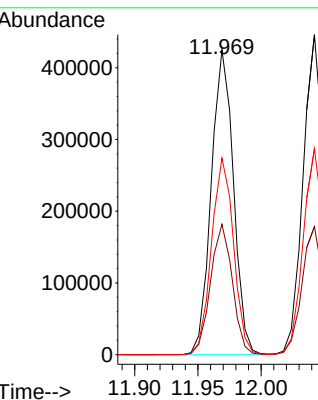
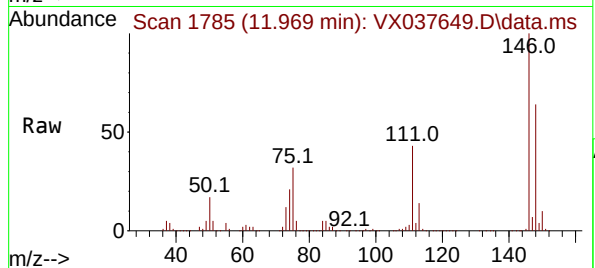
148 64.2 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#88

1,4-Dichlorobenzene

Concen: 96.488 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. -0.001 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

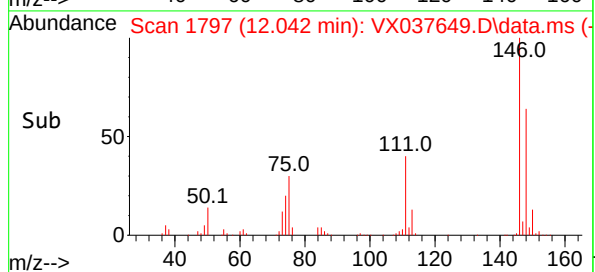
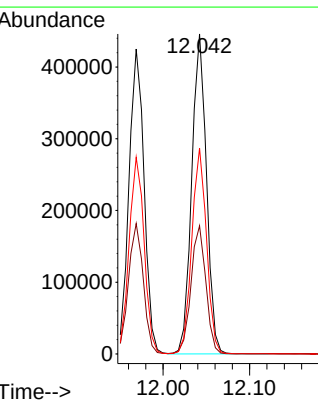
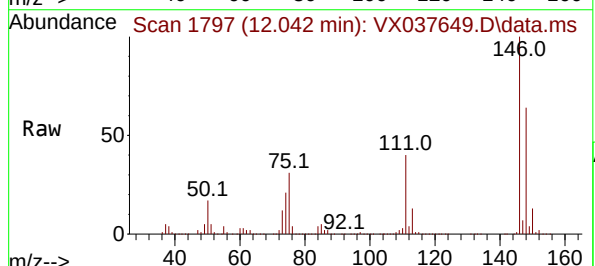
Tgt Ion:146 Resp: 526229

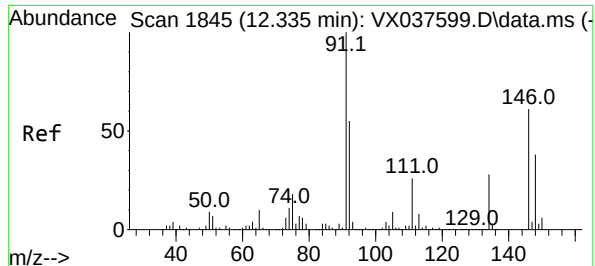
Ion Ratio Lower Upper

146 100

111 40.6 21.3 63.7

148 64.4 31.8 95.4





#89

n-Butylbenzene

Concen: 103.262 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 91 Resp: 92882

Ion Ratio Lower Upper

91 100

92 52.4 27.4 82.0

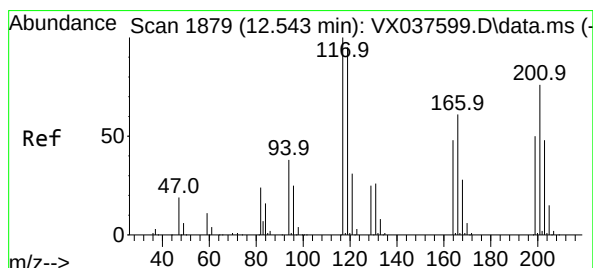
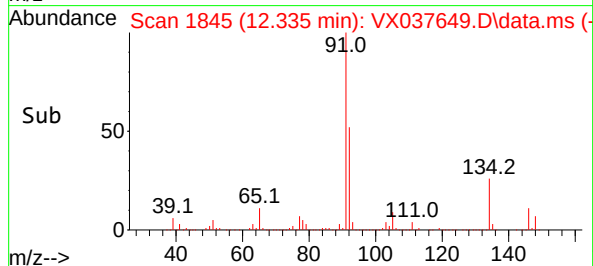
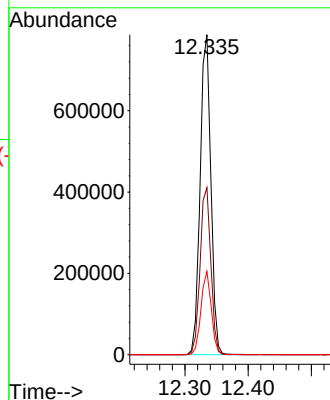
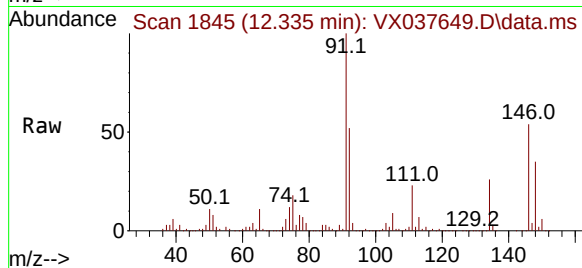
134 25.1 12.6 37.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#90

Hexachloroethane

Concen: 107.096 ug/l

RT: 12.542 min Scan# 1879

Delta R.T. -0.001 min

Lab File: VX037649.D

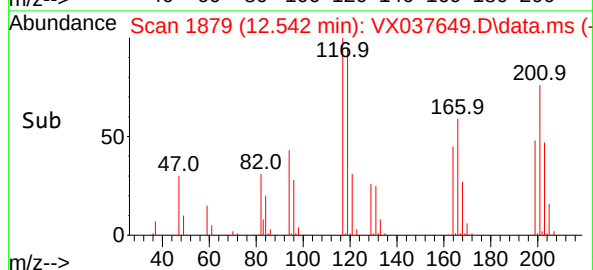
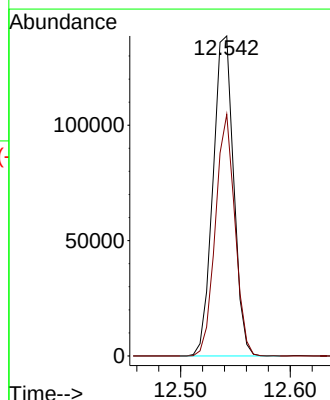
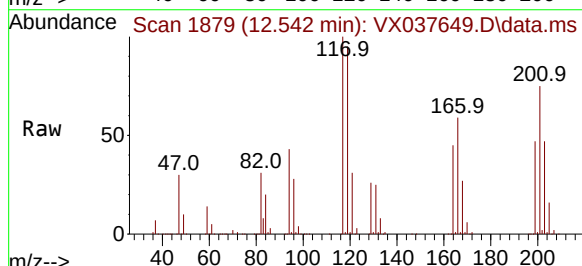
Acq: 11 Sep 2023 18:37

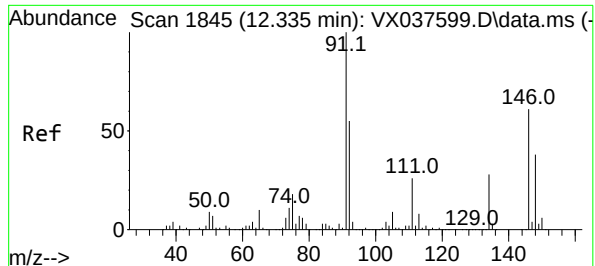
Tgt Ion:117 Resp: 181932

Ion Ratio Lower Upper

117 100

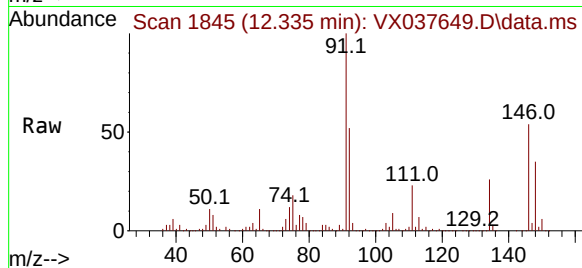
201 71.2 32.9 98.6





#91
1,2-Dichlorobenzene
Concen: 96.712 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37

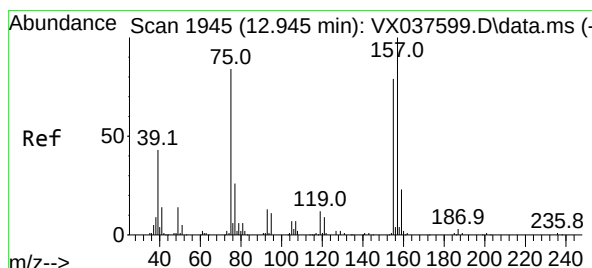
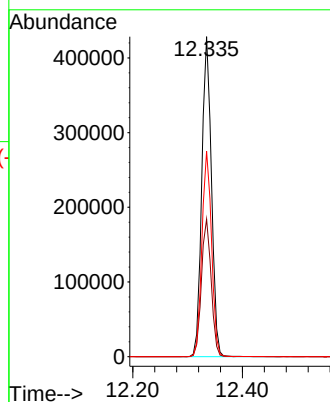
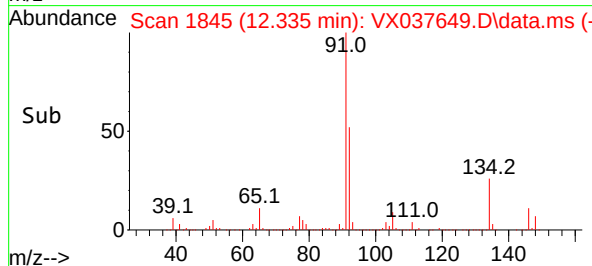
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



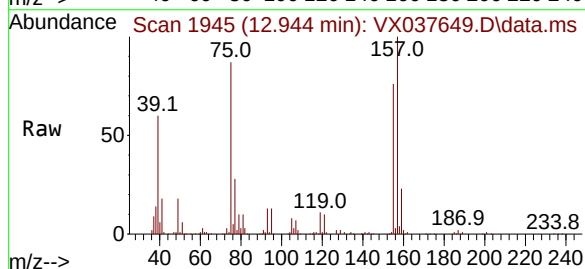
Tgt Ion: 146 Resp: 524129
Ion Ratio Lower Upper
146 100
111 43.4 22.4 67.0
148 64.2 31.6 95.0

Manual Integrations
APPROVED

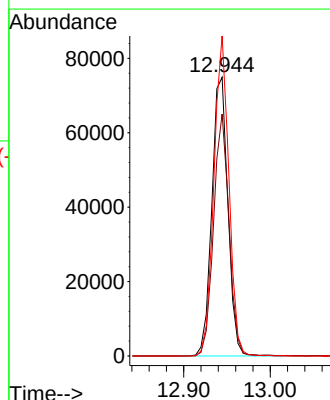
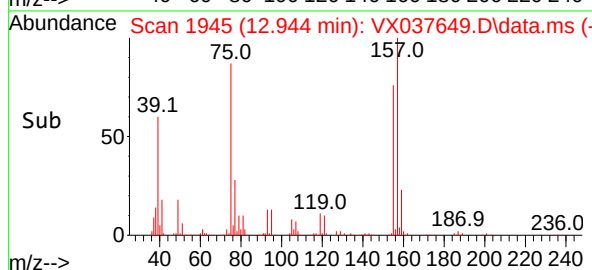
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

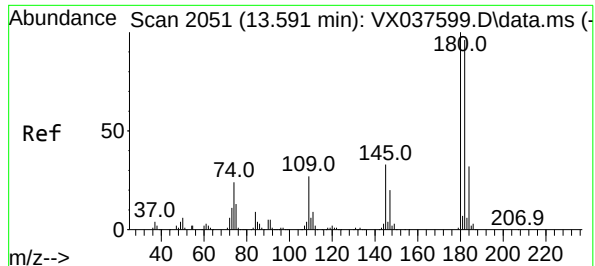


#92
1,2-Dibromo-3-Chloropropane
Concen: 103.506 ug/l
RT: 12.944 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37



Tgt Ion: 75 Resp: 96334
Ion Ratio Lower Upper
75 100
155 83.4 36.1 108.5
157 107.7 44.9 134.7





#93

1,2,4-Trichlorobenzene

Concen: 104.981 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.007 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:180 Resp: 330460

Ion Ratio Lower Upper

180 100

182 95.2 48.3 144.8

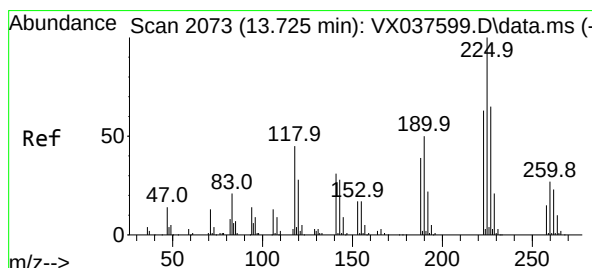
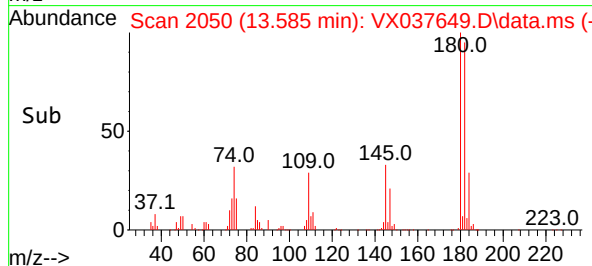
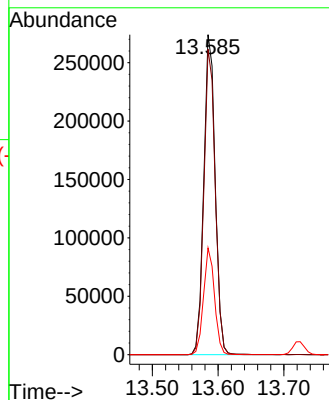
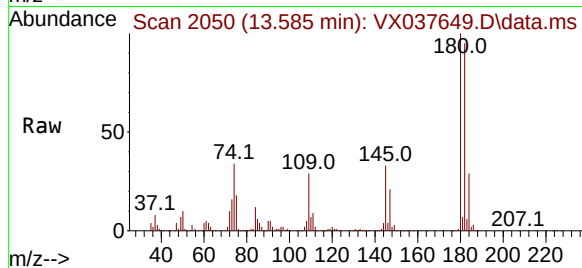
145 32.2 18.0 54.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#94

Hexachlorobutadiene

Concen: 97.255 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.001 min

Lab File: VX037649.D

Acq: 11 Sep 2023 18:37

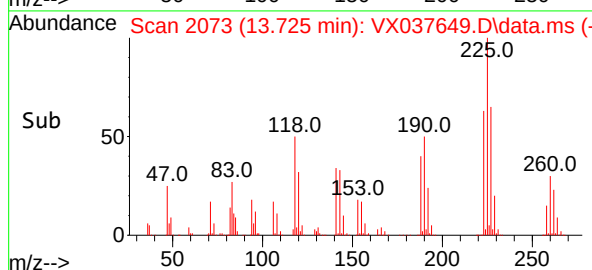
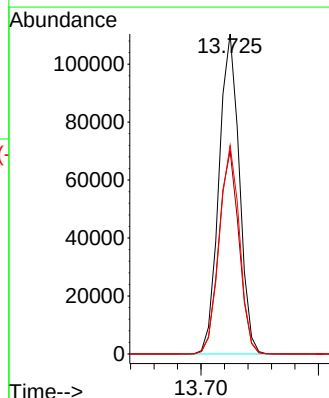
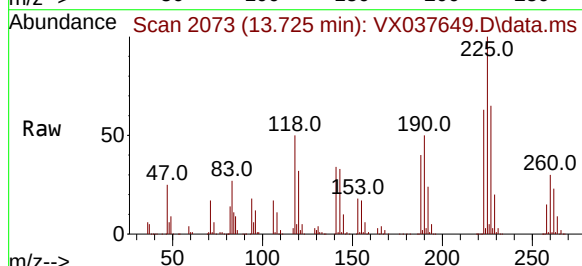
Tgt Ion:225 Resp: 132682

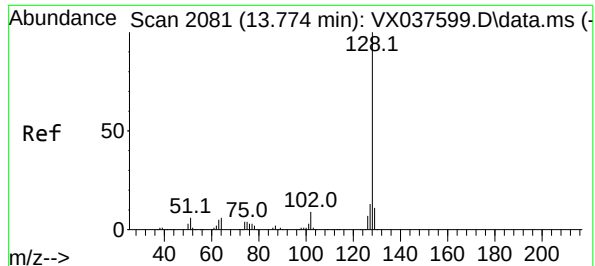
Ion Ratio Lower Upper

225 100

223 62.9 31.1 93.2

227 64.8 32.5 97.5





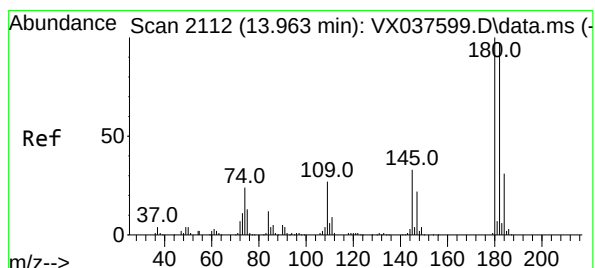
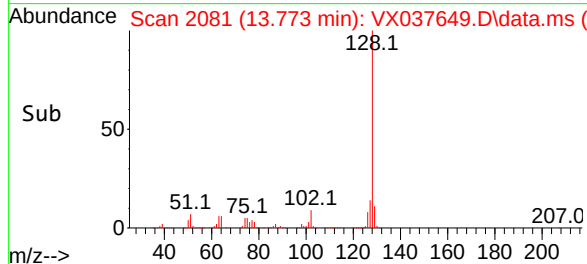
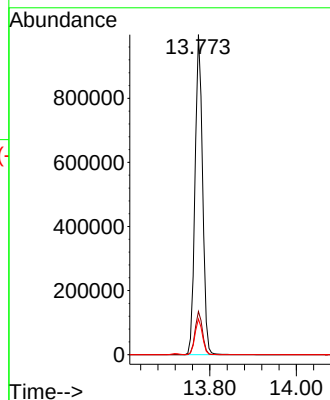
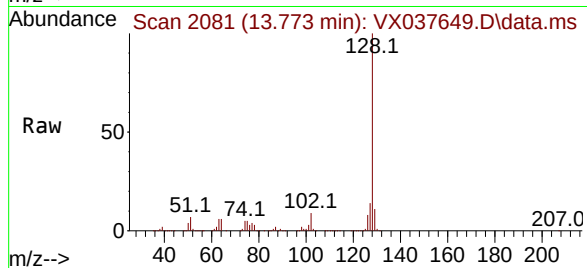
#95
Naphthalene
Concen: 105.711 ug/l
RT: 13.773 min Scan# 2081
Delta R.T. -0.001 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 120452
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 11.0 8.8 13.2

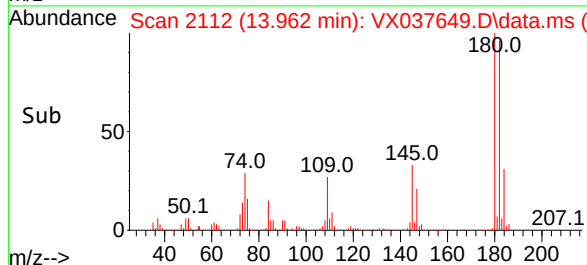
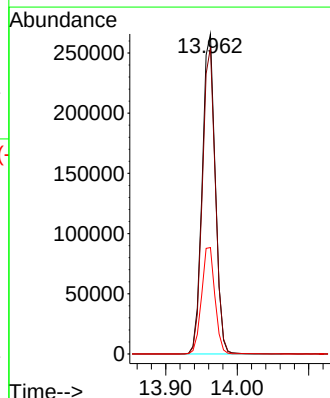
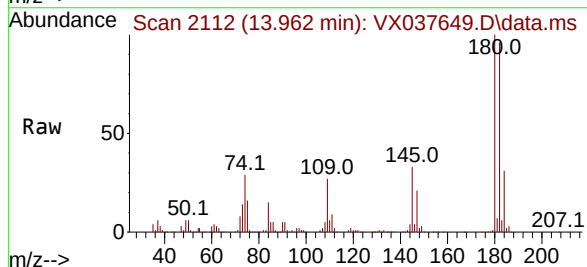
Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#96
1,2,3-Trichlorobenzene
Concen: 103.552 ug/l
RT: 13.962 min Scan# 2112
Delta R.T. -0.001 min
Lab File: VX037649.D
Acq: 11 Sep 2023 18:37

Tgt Ion:180 Resp: 336135
Ion Ratio Lower Upper
180 100
182 95.5 46.9 140.6
145 34.2 17.8 53.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091123\
 Data File : VX037650.D
 Acq On : 11 Sep 2023 19:01
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 12 08:53:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 08:46:29 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/12/2023
 Supervised By : Mahesh Dadoda 09/12/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	179932	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	315062	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	310237	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	165943	50.000	ug/l	# 0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.958	65	404877	139.077	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 278.160%#	
35) Dibromofluoromethane	5.385	113	336575	150.715	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 301.420%#	
50) Toluene-d8	8.653	98	1251697	148.616	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 297.240%#	
62) 4-Bromofluorobenzene	11.079	95	479045	157.655	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 315.320%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	276230	143.586	ug/l	97
3) Chloromethane	1.301	50	299486	132.730	ug/l	96
4) Vinyl Chloride	1.374	62	332935	134.075	ug/l	98
5) Bromomethane	1.593	94	276982	131.382	ug/l	98
6) Chloroethane	1.666	64	212250	125.389	ug/l	98
7) Trichlorofluoromethane	1.874	101	505244	121.746	ug/l	99
8) Diethyl Ether	2.136	74	230196	135.257	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.319	101	256241	137.557	ug/l	99
10) Methyl Iodide	2.447	142	321339	145.119	ug/l	95
11) Tert butyl alcohol	2.989	59	441596	754.710	ug/l	# 92
12) 1,1-Dichloroethene	2.313	96	263652	144.073	ug/l	89
13) Acrolein	2.239	56	329650	695.398	ug/l	100
14) Allyl chloride	2.660	41	448714	137.796	ug/l	# 96
15) Acrylonitrile	3.069	53	966499	705.937	ug/l	99
16) Acetone	2.386	43	799491	664.339	ug/l	91
17) Carbon Disulfide	2.502	76	679159	143.971	ug/l	99
18) Methyl Acetate	2.703	43	698259	138.440	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	1058976	143.350	ug/l	100
20) Methylene Chloride	2.788	84	334750	149.653	ug/l	92
21) trans-1,2-Dichloroethene	3.087	96	307828	141.853	ug/l	91
22) Diisopropyl ether	3.764	45	1019460	143.434	ug/l	# 84
23) Vinyl Acetate	3.721	43	3860061	740.229	ug/l	95
24) 1,1-Dichloroethane	3.605	63	586842	141.130	ug/l	100
25) 2-Butanone	4.562	43	1342005	694.546	ug/l	# 90
26) 2,2-Dichloropropane	4.471	77	436583	151.636	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	378388	145.815	ug/l	92
28) Bromochloromethane	4.898	49	288344	136.754	ug/l	88
29) Tetrahydrofuran	5.007	42	885056	712.195	ug/l	90
30) Chloroform	5.099	83	645836	143.254	ug/l	97
31) Cyclohexane	5.471	56	479762	143.116	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	561995	148.412	ug/l	98
36) 1,1-Dichloropropene	5.690	75	443816	144.114	ug/l	97
37) Ethyl Acetate	4.721	43	526688	148.066	ug/l	97
38) Carbon Tetrachloride	5.678	117	477800	155.345	ug/l	97
39) Methylcyclohexane	7.379	83	539136	148.842	ug/l	94
40) Benzene	6.038	78	1354012	144.595	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091123\
 Data File : VX037650.D
 Acq On : 11 Sep 2023 19:01
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 12 08:53:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 08:46:29 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 09/12/2023
 Supervised By :Mahesh Dadoda 09/12/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	283758	150.381	ug/l	91
42) 1,2-Dichloroethane	6.086	62	507349	139.818	ug/l	98
43) Isopropyl Acetate	6.342	43	871386	155.206	ug/l	96
44) Trichloroethene	7.123	130	343581	150.333	ug/l	98
45) 1,2-Dichloropropane	7.434	63	357422	145.464	ug/l	98
46) Dibromomethane	7.580	93	265959	148.361	ug/l	97
47) Bromodichloromethane	7.824	83	510610	158.922	ug/l	96
48) Methyl methacrylate	7.696	41	413470	150.790	ug/l #	88
49) 1,4-Dioxane	7.665	88	202299	2962.021	ug/l #	88
51) 4-Methyl-2-Pentanone	8.580	43	2701768	729.858	ug/l	94
52) Toluene	8.720	92	896300	151.269	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	567358	175.041	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	584782	165.115	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	381960	149.916	ug/l	94
56) Ethyl methacrylate	9.116	69	621466	162.308	ug/l	92
57) 1,3-Dichloropropane	9.311	76	622479	146.764	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	1484230	803.145	ug/l	100
59) 2-Hexanone	9.433	43	2106192	741.778	ug/l	92
60) Dibromochloromethane	9.525	129	419576	169.661	ug/l	100
61) 1,2-Dibromoethane	9.610	107	420070	156.355	ug/l	99
64) Tetrachloroethene	9.275	164	289953	145.901	ug/l	98
65) Chlorobenzene	10.080	112	977085	146.094	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	374347	160.382	ug/l	99
67) Ethyl Benzene	10.195	91	1760442	148.017	ug/l	98
68) m/p-Xylenes	10.305	106	1372160	302.784	ug/l	97
69) o-Xylene	10.640	106	688193	153.145	ug/l	98
70) Styrene	10.659	104	1158365	156.244	ug/l	96
71) Bromoform	10.799	173	322156	180.556	ug/l #	100
73) Isopropylbenzene	10.964	105	1754598	140.502	ug/l	98
74) N-amyl acetate	10.842	43	812747	148.047	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	649578	137.191	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	502769m	136.470	ug/l	
77) Bromobenzene	11.201	156	434273	144.899	ug/l	91
78) n-propylbenzene	11.305	91	2084361	144.614	ug/l	99
79) 2-Chlorotoluene	11.366	91	1234072	139.226	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	1535367	145.542	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	206997	172.472	ug/l	87
82) 4-Chlorotoluene	11.457	91	1449899	143.719	ug/l	97
83) tert-Butylbenzene	11.713	119	1550169	147.373	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	1522255	143.673	ug/l	97
85) sec-Butylbenzene	11.890	105	1905092	146.126	ug/l	99
86) p-Isopropyltoluene	12.012	119	1613746	150.312	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	818811	143.793	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	834377	143.186	ug/l	98
89) n-Butylbenzene	12.335	91	1496535	155.715	ug/l	98
90) Hexachloroethane	12.536	117	299698	165.115	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	831729	143.636	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	154766	155.632	ug/l	84
93) 1,2,4-Trichlorobenzene	13.585	180	540159	160.602	ug/l	97
94) Hexachlorobutadiene	13.725	225	223616	153.406	ug/l	99
95) Naphthalene	13.774	128	1909833	156.869	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	537565	154.994	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091123\
Data File : VX037650.D
Acq On : 11 Sep 2023 19:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

Quant Time: Sep 12 08:53:55 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 08:46:29 2023
Response via : Initial Calibration

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

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

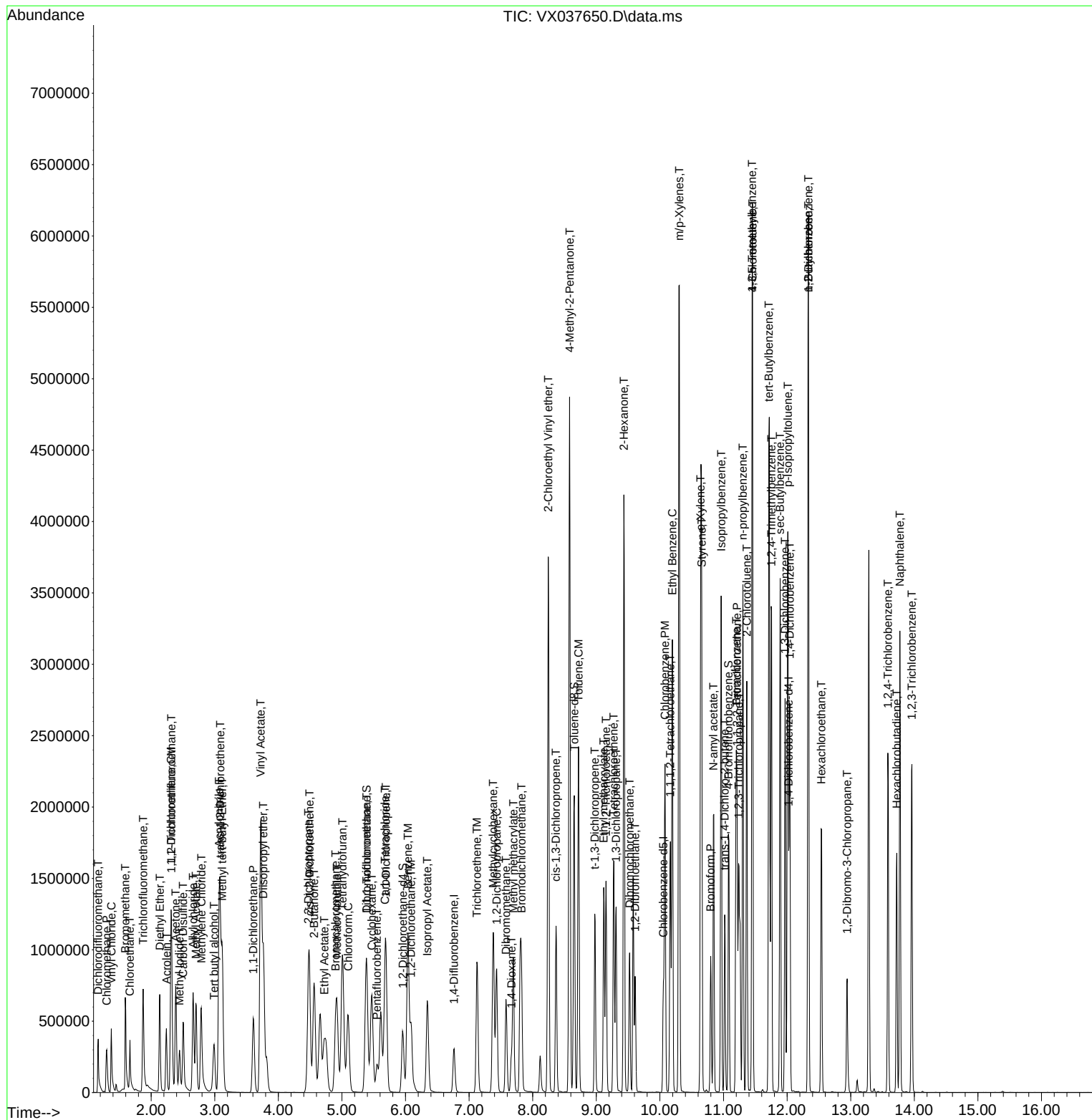
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091123\
 Data File : VX037650.D
 Acq On : 11 Sep 2023 19:01
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

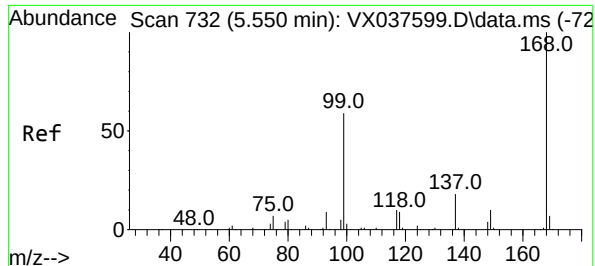
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Quant Time: Sep 12 08:53:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 08:46:29 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/12/2023
 Supervised By : Mahesh Dadoda 09/12/2023





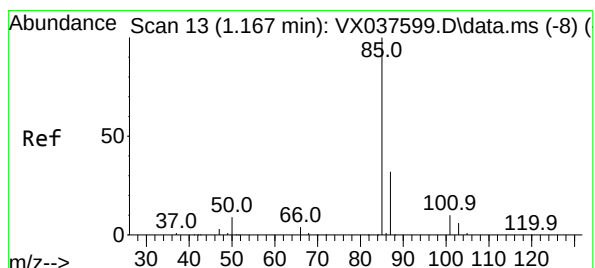
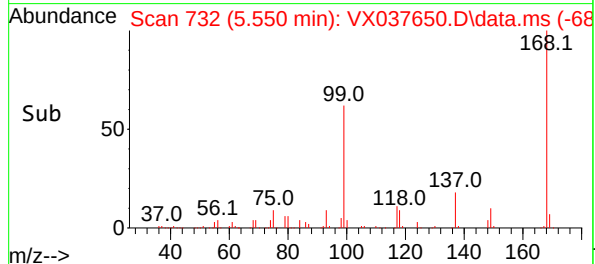
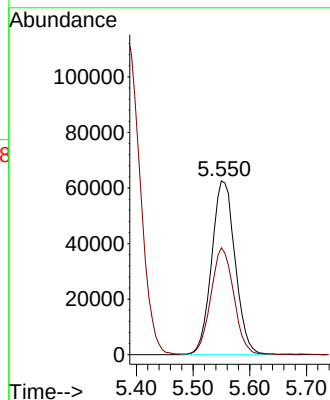
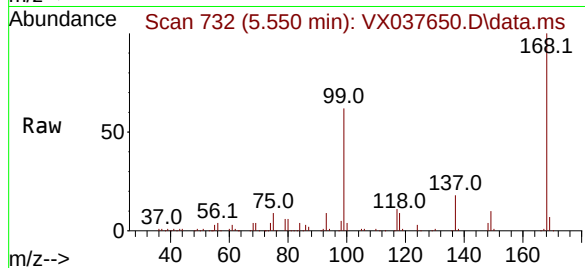
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037650.D
Acq: 11 Sep 2023 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 17993
Ion Ratio Lower Upper
168 100
99 61.4 56.6 85.0

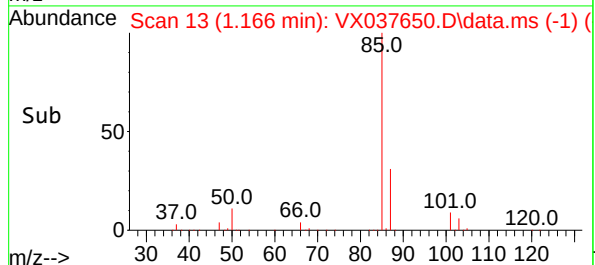
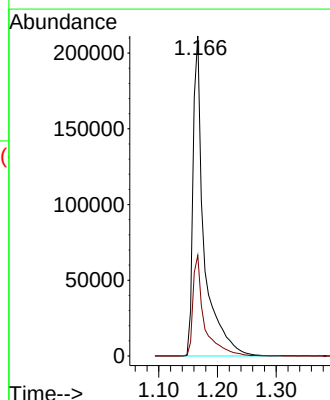
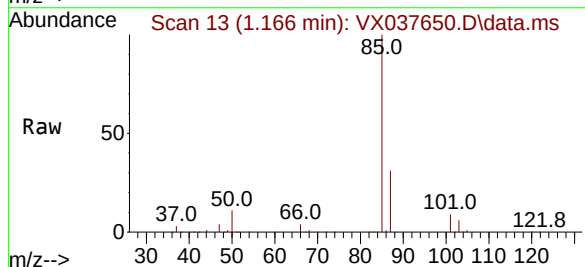
Manual Integrations
APPROVED

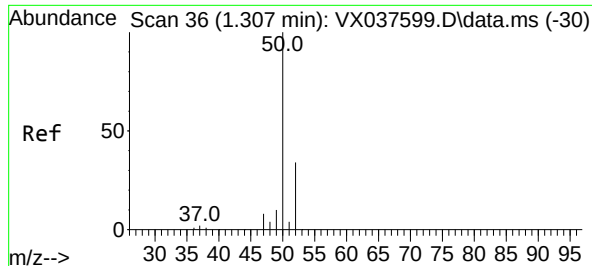
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#2
Dichlorodifluoromethane
Concen: 143.586 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX037650.D
Acq: 11 Sep 2023 19:01

Tgt Ion: 85 Resp: 276230
Ion Ratio Lower Upper
85 100
87 31.4 16.7 50.1





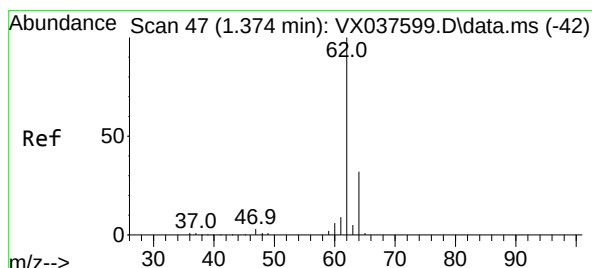
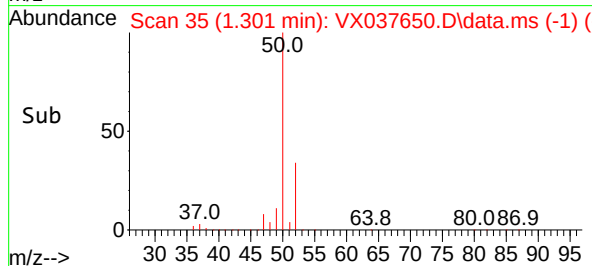
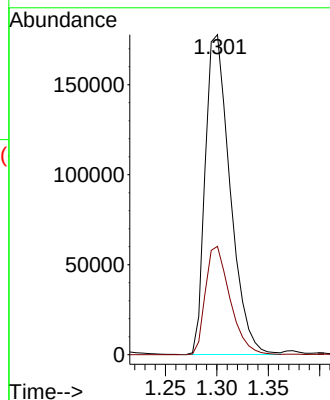
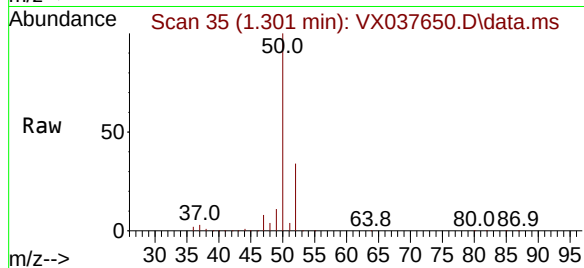
#3
Chloromethane
Concen: 132.730 ug/l
RT: 1.301 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX037650.D
Acq: 11 Sep 2023 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 50 Resp: 299480
Ion Ratio Lower Upper
50 100
52 33.9 25.5 38.3

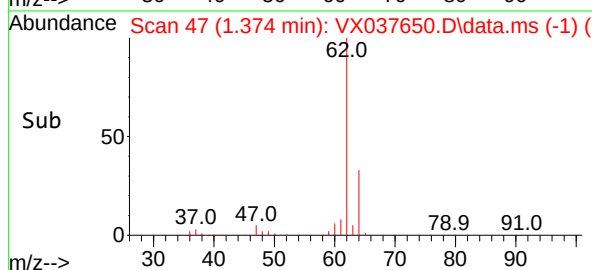
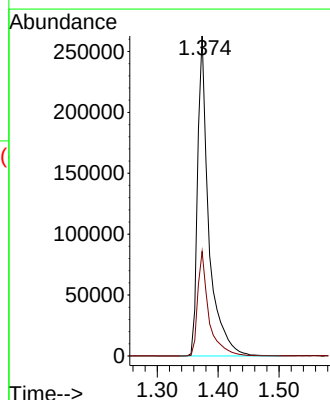
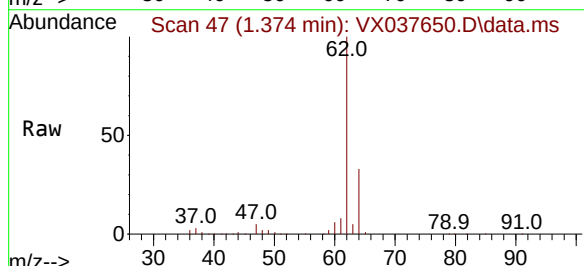
Manual Integrations
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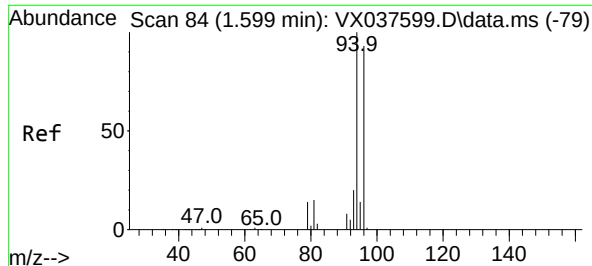
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#4
Vinyl Chloride
Concen: 134.075 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX037650.D
Acq: 11 Sep 2023 19:01

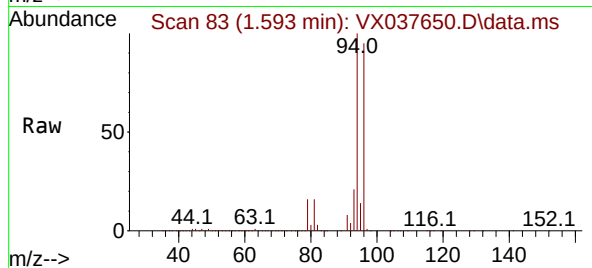
Tgt Ion: 62 Resp: 332935
Ion Ratio Lower Upper
62 100
64 32.6 25.4 38.0





#5
Bromomethane
Concen: 131.382 ug/l
RT: 1.593 min Scan# 84
Delta R.T. -0.006 min
Lab File: VX037650.D
Acq: 11 Sep 2023 19:01

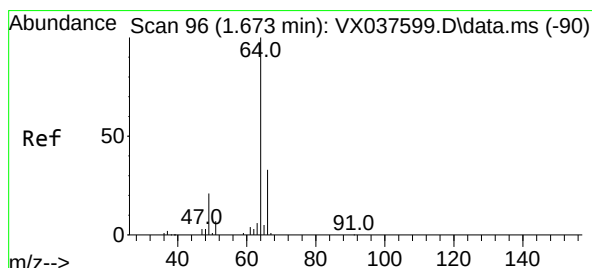
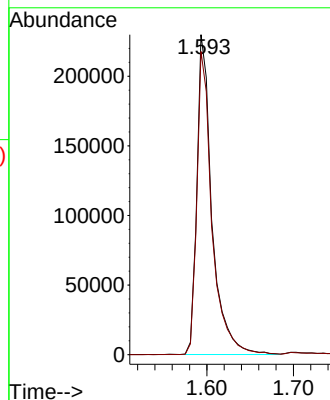
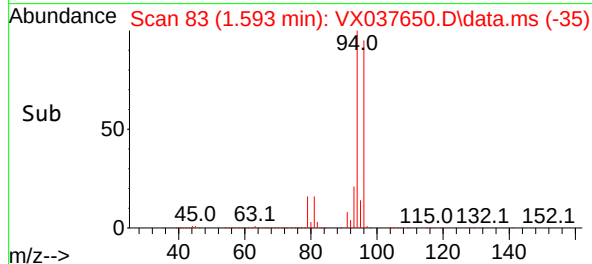
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion: 94 Resp: 27698
Ion Ratio Lower Upper
94 100
96 94.8 74.6 111.8

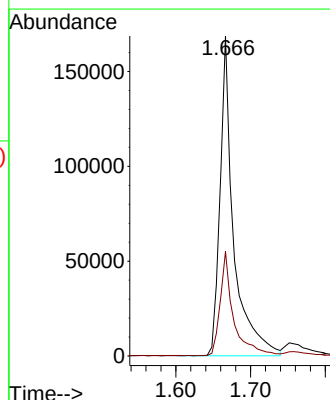
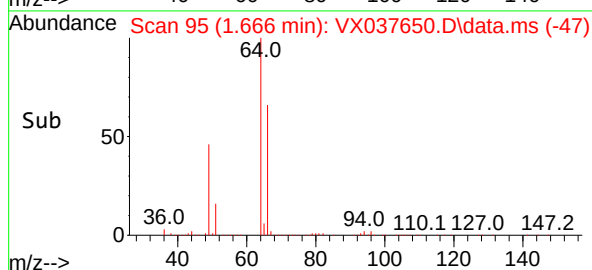
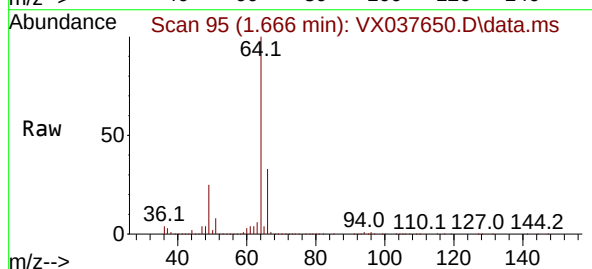
Manual Integrations
APPROVED

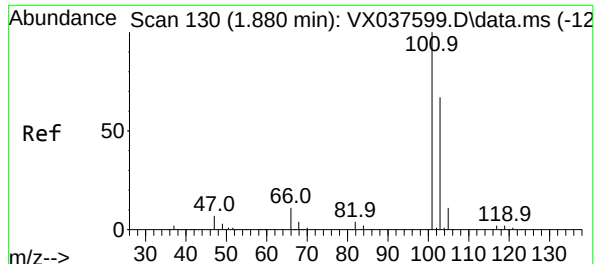
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#6
Chloroethane
Concen: 125.389 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.007 min
Lab File: VX037650.D
Acq: 11 Sep 2023 19:01

Tgt Ion: 64 Resp: 212250
Ion Ratio Lower Upper
64 100
66 32.5 25.1 37.7





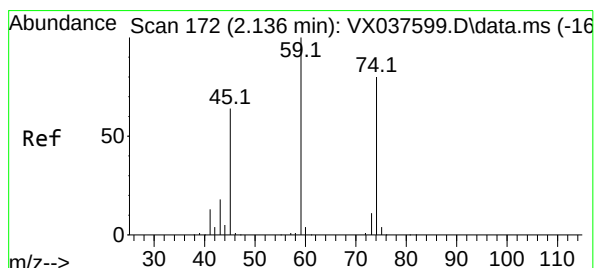
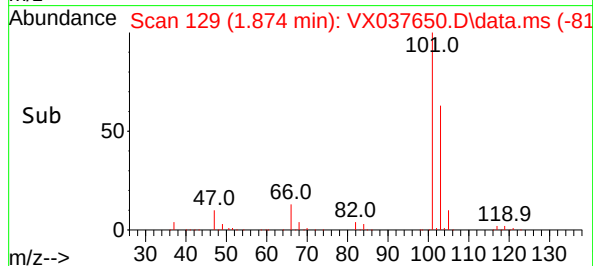
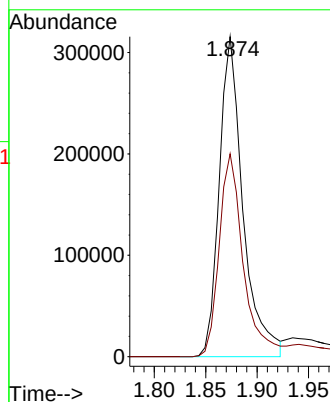
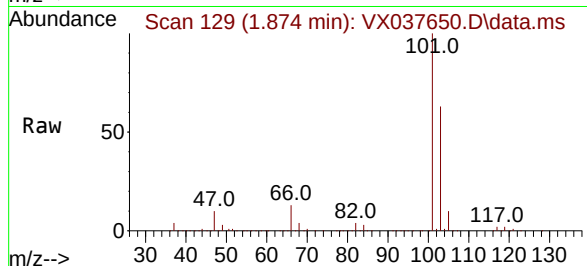
#7
Trichlorofluoromethane
Concen: 121.746 ug/l
RT: 1.874 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX037650.D
Acq: 11 Sep 2023 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 50524
Ion Ratio Lower Upper
101 100
103 63.4 51.4 77.2

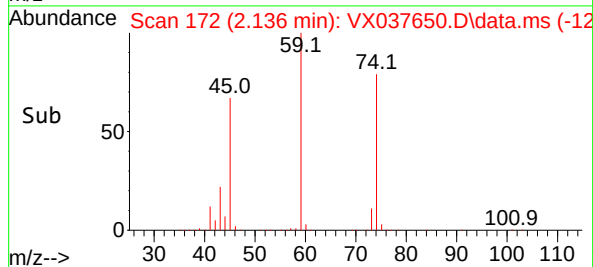
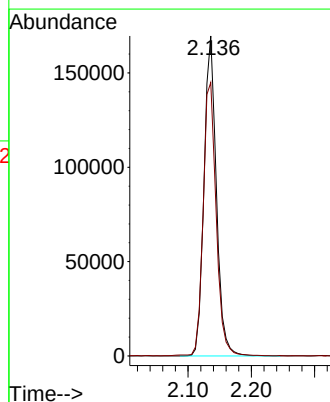
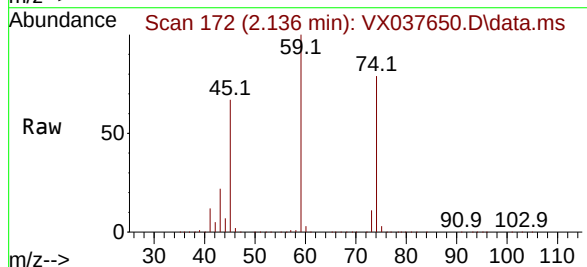
Manual Integrations
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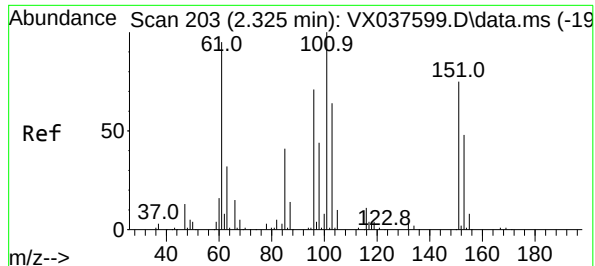
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#8
Diethyl Ether
Concen: 135.257 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX037650.D
Acq: 11 Sep 2023 19:01

Tgt Ion: 74 Resp: 230196
Ion Ratio Lower Upper
74 100
45 89.9 53.3 159.8





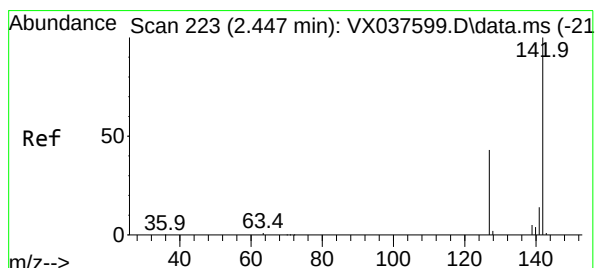
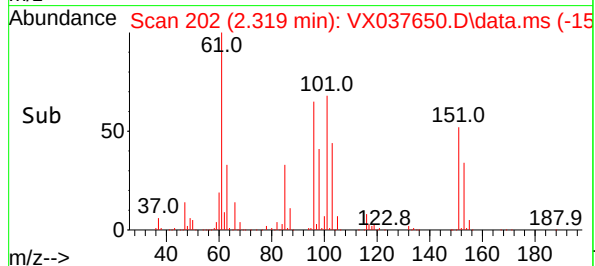
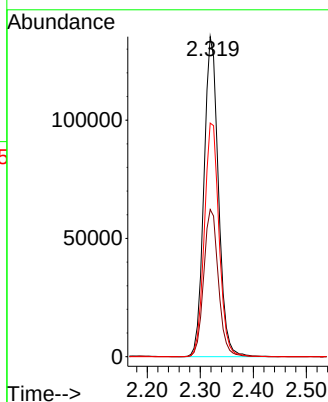
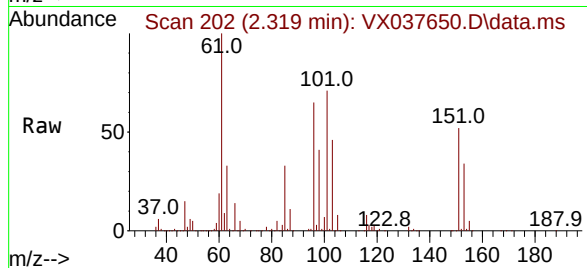
#9
1,1,2-Trichlorotrifluoroethane
Concen: 137.557 ug/l
RT: 2.319 min Scan# 203
Delta R.T. -0.006 min
Lab File: VX037650.D
Acq: 11 Sep 2023 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 25624
Ion Ratio Lower Upper
101 100
85 46.6 37.0 55.6
151 74.1 58.6 87.8

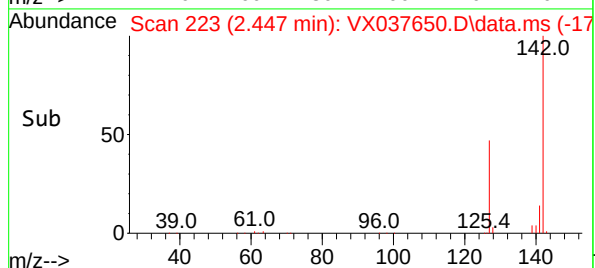
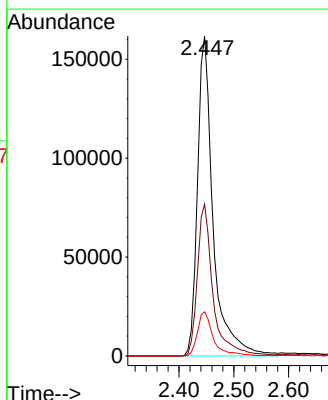
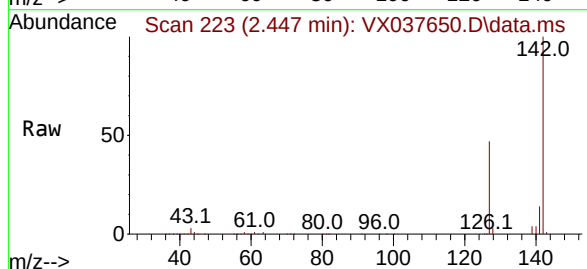
Manual Integrations
APPROVED

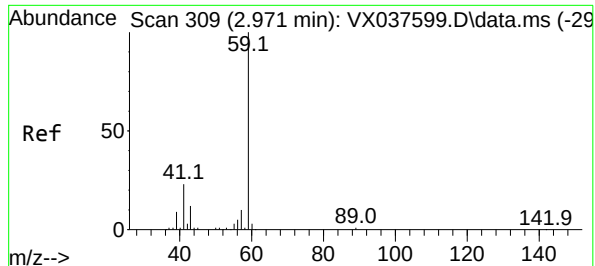
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#10
Methyl Iodide
Concen: 145.119 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX037650.D
Acq: 11 Sep 2023 19:01

Tgt Ion:142 Resp: 321339
Ion Ratio Lower Upper
142 100
127 47.3 41.6 62.4
141 14.1 11.6 17.4





#11

Tert butyl alcohol

Concen: 754.710 ug/l

RT: 2.989 min Scan# 312

Delta R.T. 0.018 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 59 Resp: 441590

Ion Ratio Lower Upper

59 100

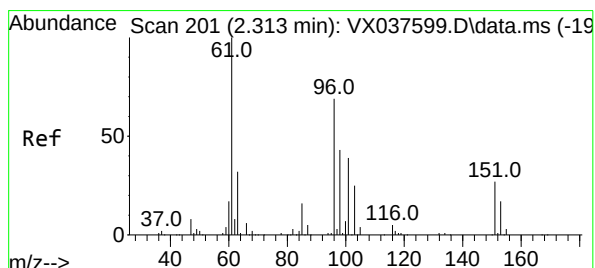
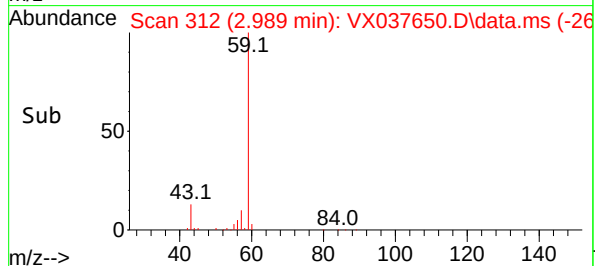
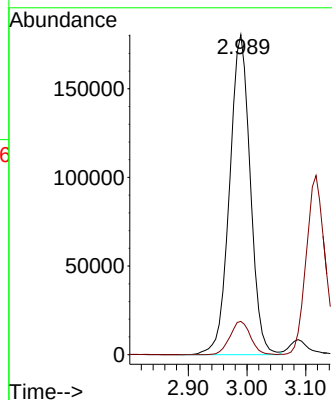
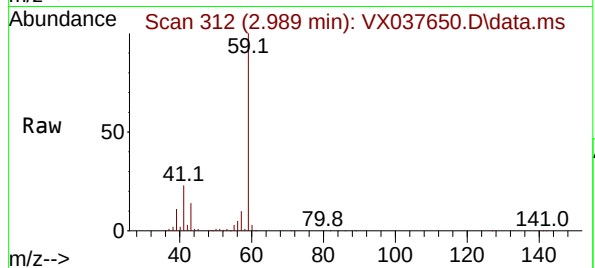
57 10.4 6.0 9.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#12

1,1-Dichloroethene

Concen: 144.073 ug/l

RT: 2.313 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

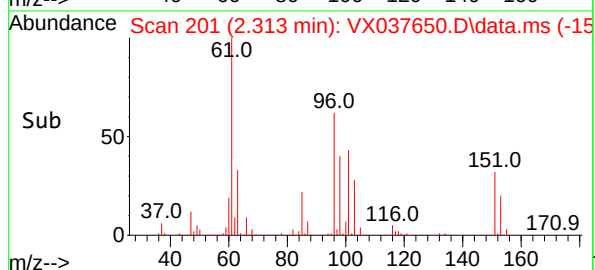
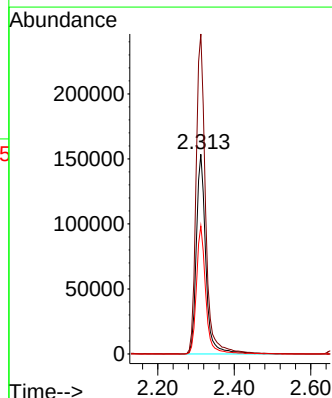
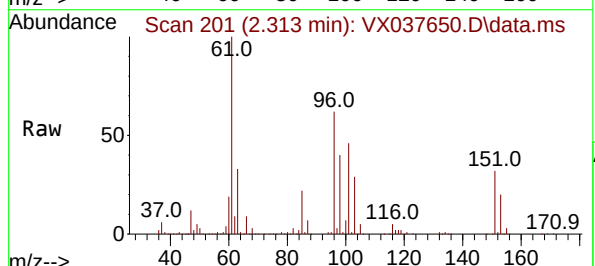
Tgt Ion: 96 Resp: 263652

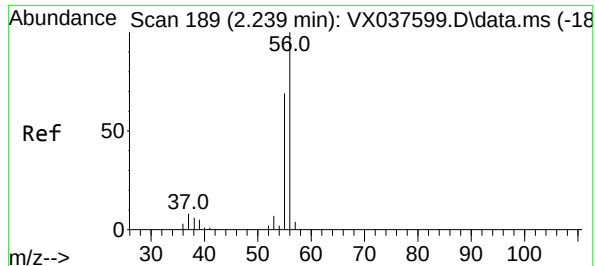
Ion Ratio Lower Upper

96 100

61 160.2 144.6 216.8

98 64.1 50.4 75.6





#13

Acrolein

Concen: 695.398 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 56 Resp: 329650

Ion Ratio Lower Upper

56 100

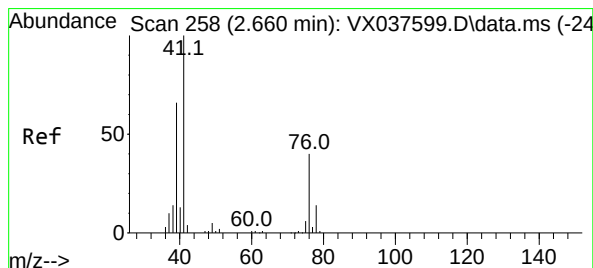
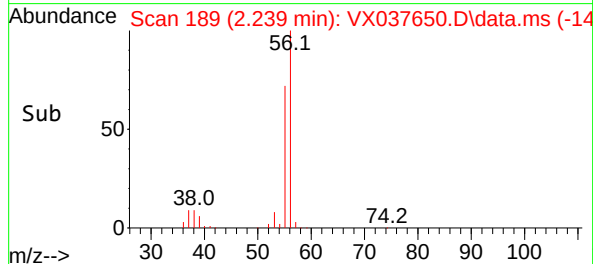
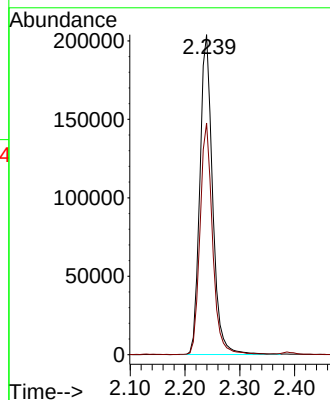
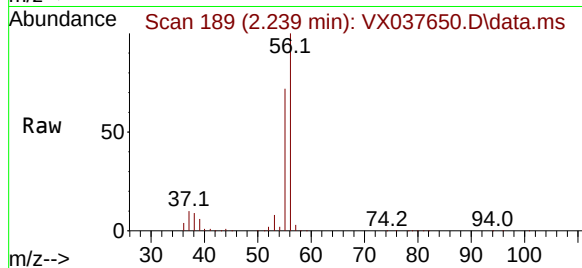
55 71.4 57.1 85.7

Manual Integrations

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Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#14

Allyl chloride

Concen: 137.796 ug/l

RT: 2.660 min Scan# 258

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

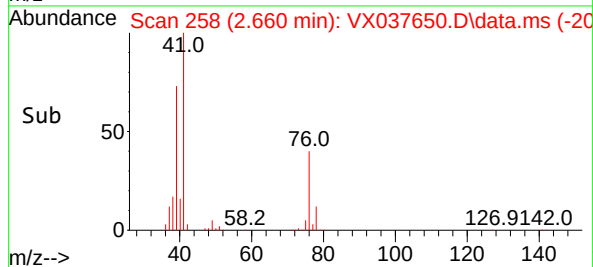
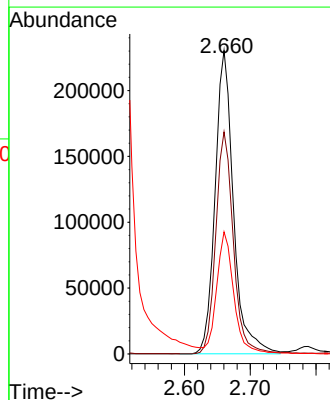
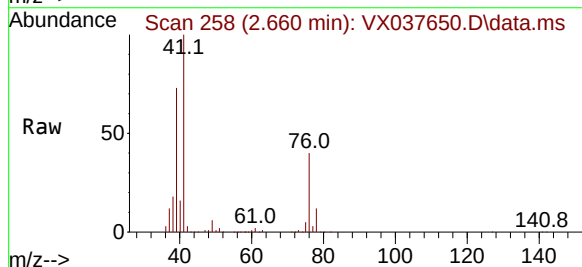
Tgt Ion: 41 Resp: 448714

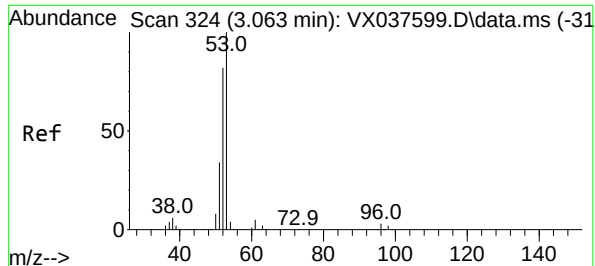
Ion Ratio Lower Upper

41 100

39 70.0 55.8 83.6

76 37.5 24.3 36.5





#15

Acrylonitrile

Concen: 705.937 ug/l

RT: 3.069 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

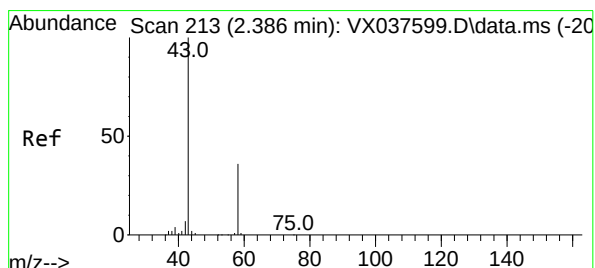
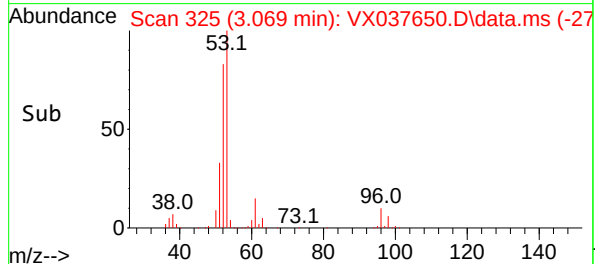
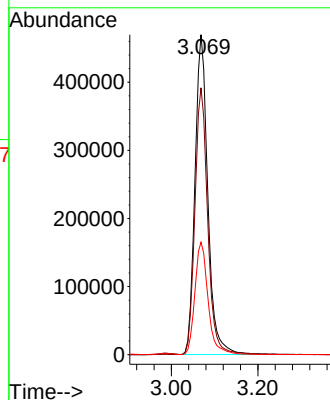
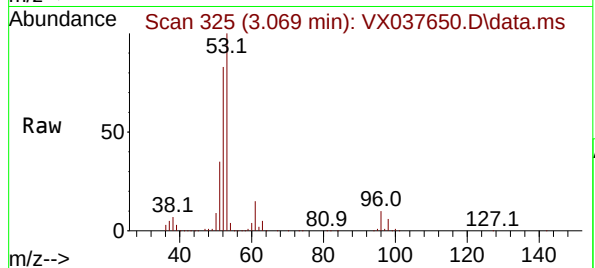
ClientSampleId :

VSTDICC150

Tgt Ion:	53	Resp:	966499
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.0	99.0
51	36.1	29.8	44.6

Manual Integrations
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Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#16

Acetone

Concen: 664.339 ug/l

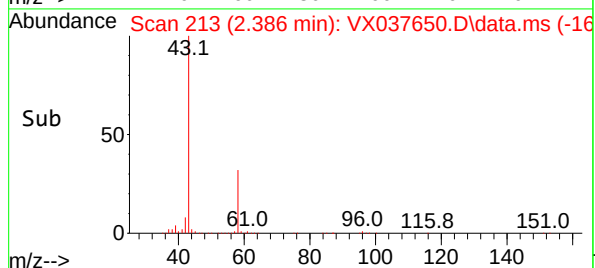
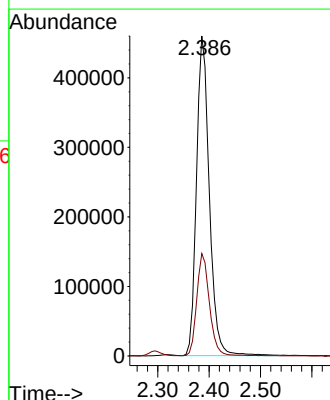
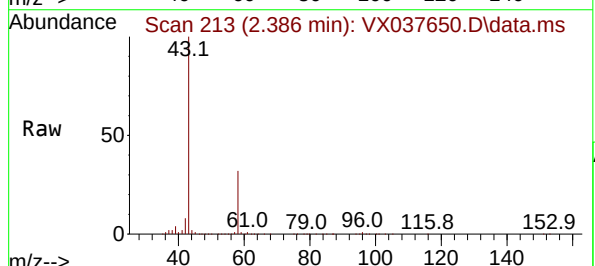
RT: 2.386 min Scan# 213

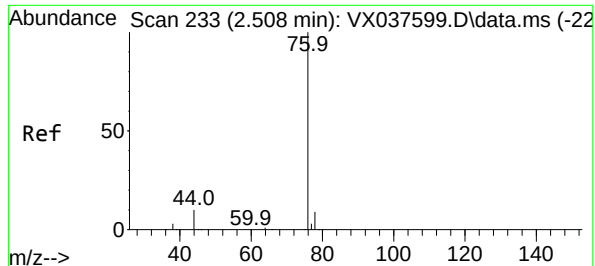
Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Tgt Ion:	43	Resp:	799491
Ion	Ratio	Lower	Upper
43	100		
58	31.9	21.9	32.9





#17

Carbon Disulfide

Concen: 143.971 ug/l

RT: 2.502 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 76 Resp: 679159

Ion Ratio Lower Upper

76 100

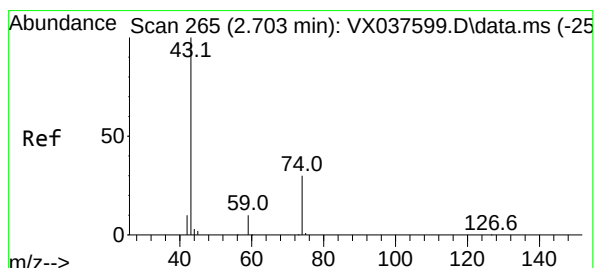
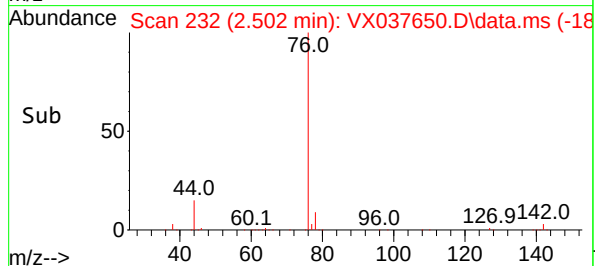
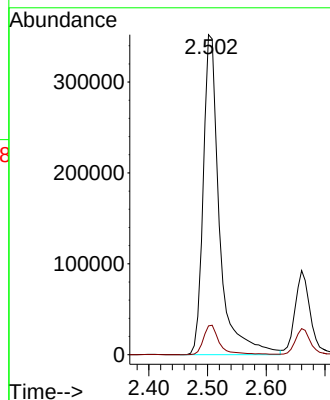
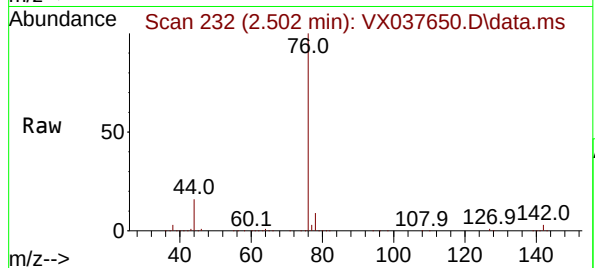
78 9.0 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#18

Methyl Acetate

Concen: 138.440 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX037650.D

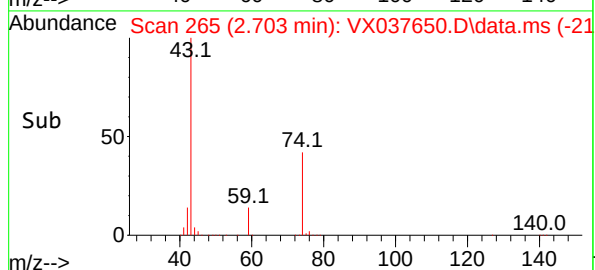
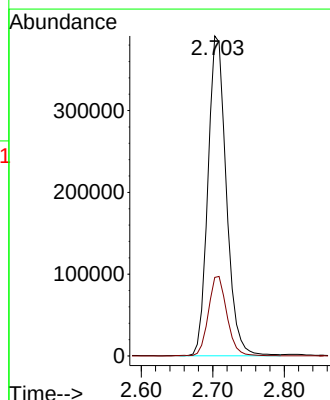
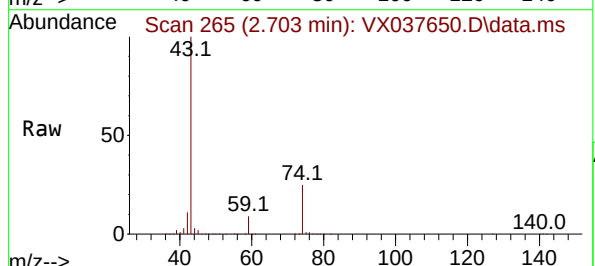
Acq: 11 Sep 2023 19:01

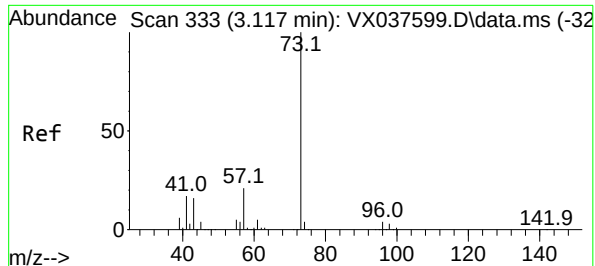
Tgt Ion: 43 Resp: 698259

Ion Ratio Lower Upper

43 100

74 25.3 17.8 26.8





#19

Methyl tert-butyl Ether

Concen: 143.350 ug/l

RT: 3.117 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 73 Resp: 1058970

Ion Ratio Lower Upper

73 100

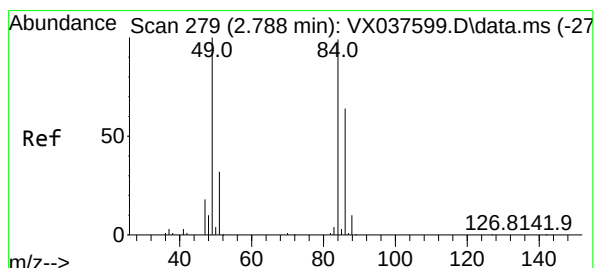
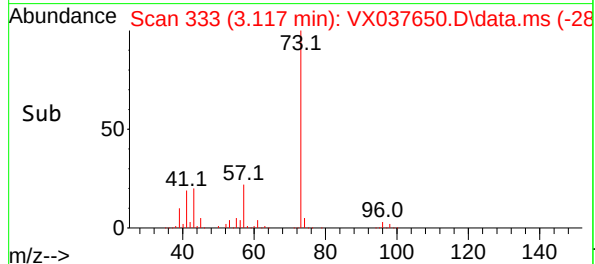
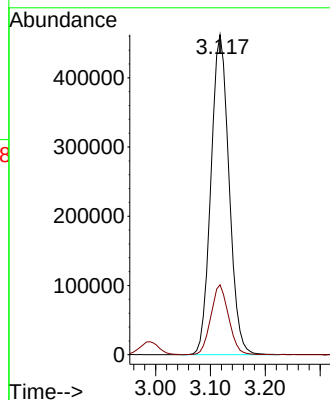
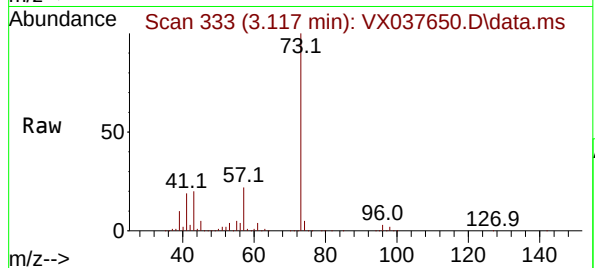
57 21.8 17.3 25.9

Manual Integrations

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Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#20

Methylene Chloride

Concen: 149.653 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Tgt Ion: 84 Resp: 334750

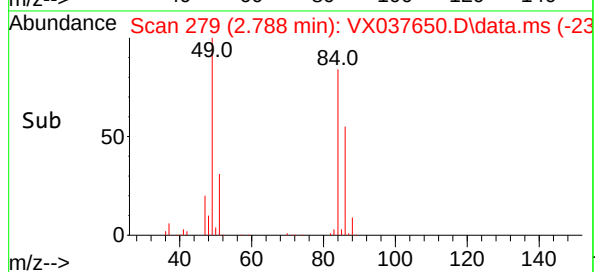
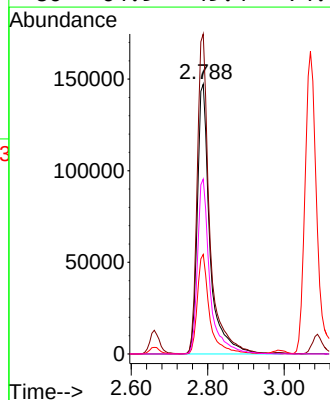
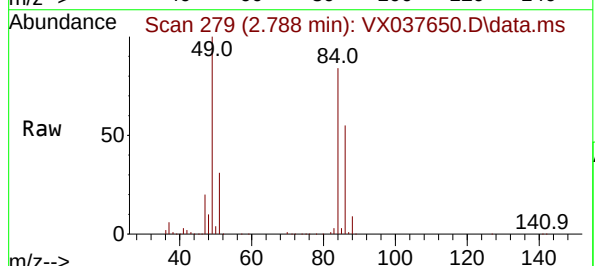
Ion Ratio Lower Upper

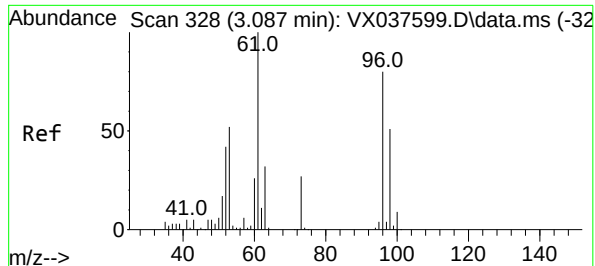
84 100

49 118.6 103.6 155.4

51 36.9 33.8 50.6

86 64.9 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 141.853 ug/l

RT: 3.087 min Scan# 307

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 96 Resp: 307828

Ion Ratio Lower Upper

96 100

61 136.0 119.2 178.8

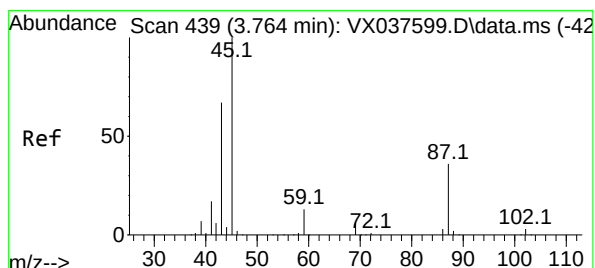
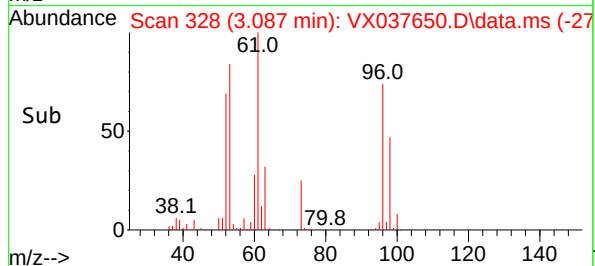
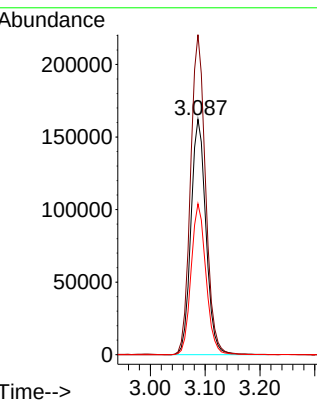
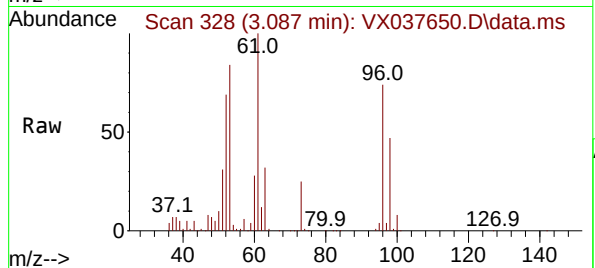
98 64.2 48.7 73.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#22

Diisopropyl ether

Concen: 143.434 ug/l

RT: 3.764 min Scan# 439

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Tgt Ion: 45 Resp: 1019460

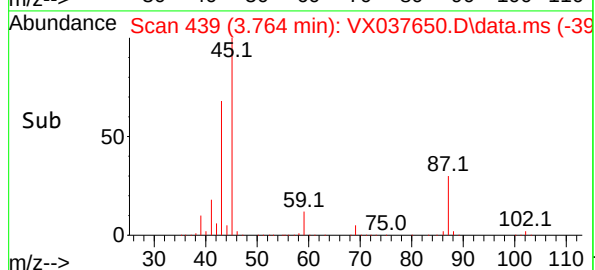
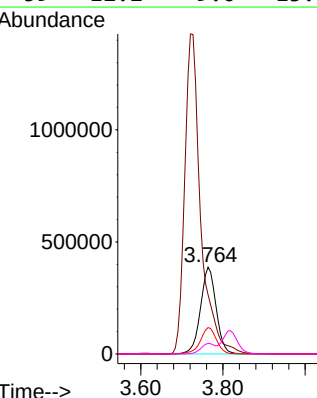
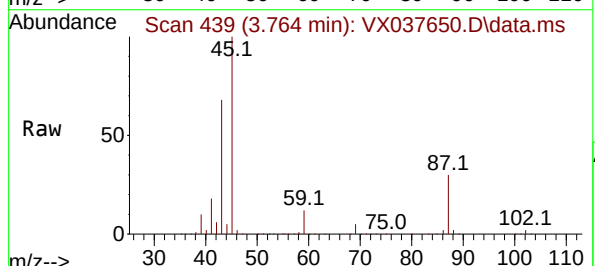
Ion Ratio Lower Upper

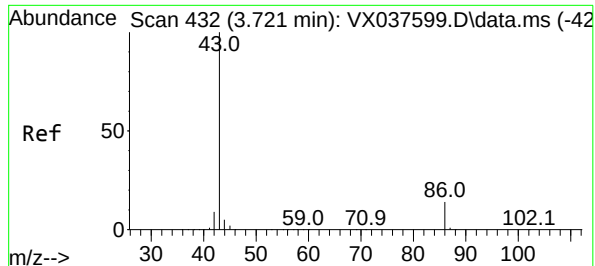
45 100

43 68.4 69.7 104.5#

87 30.5 20.8 31.2

59 12.2 9.0 13.4





#23

Vinyl Acetate

Concen: 740.229 ug/l

RT: 3.721 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 386006

Ion Ratio Lower Upper

43 100

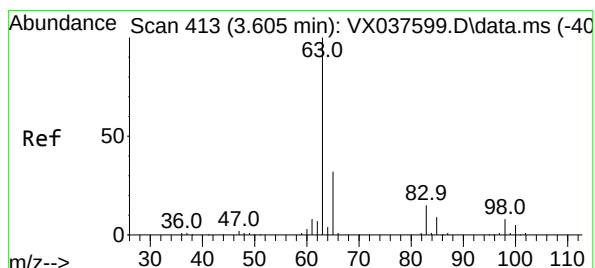
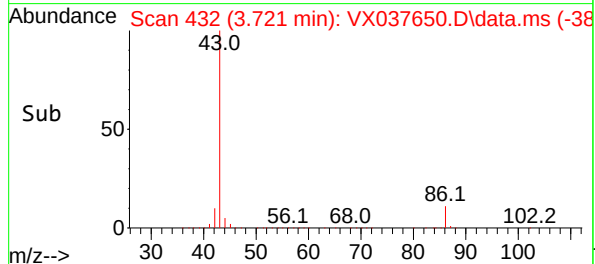
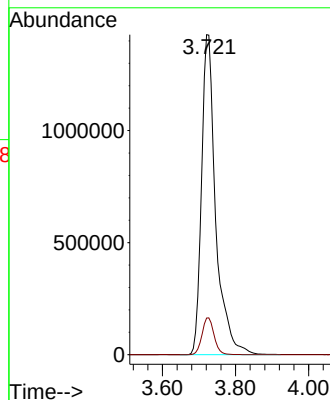
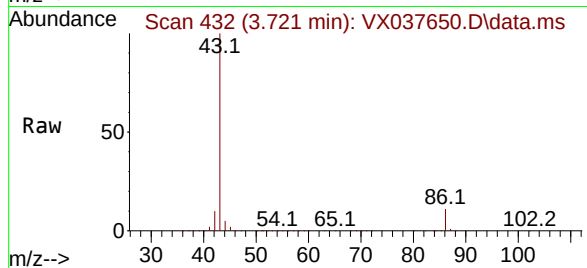
86 11.5 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#24

1,1-Dichloroethane

Concen: 141.130 ug/l

RT: 3.605 min Scan# 413

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

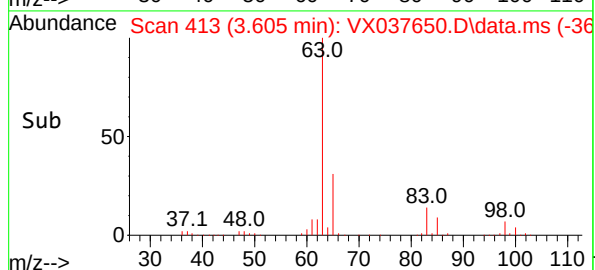
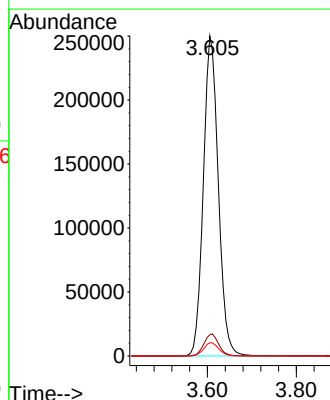
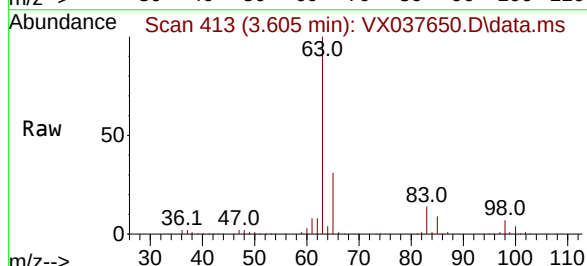
Tgt Ion: 63 Resp: 586842

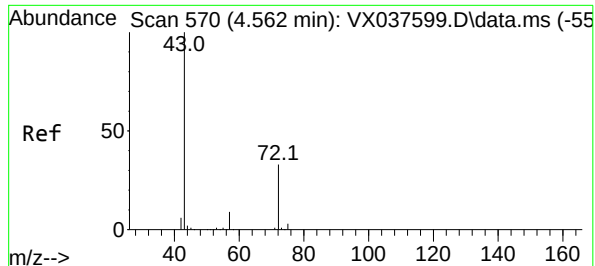
Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

100 4.1 2.1 6.5





#25

2-Butanone

Concen: 694.546 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 134200

Ion Ratio Lower Upper

43 100

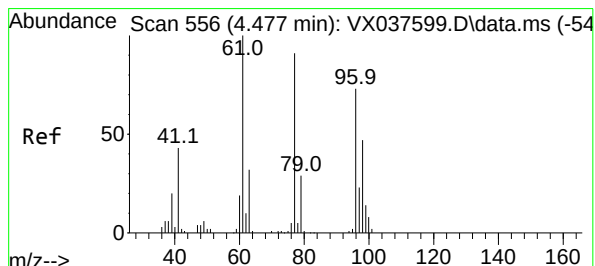
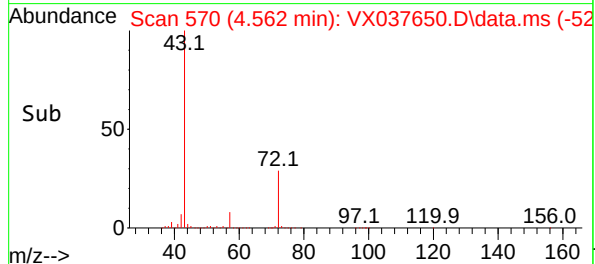
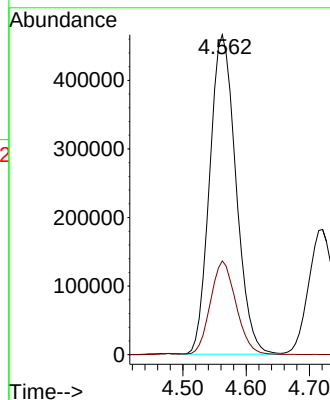
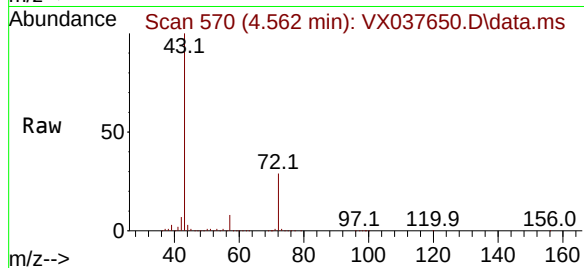
72 29.3 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#26

2,2-Dichloropropane

Concen: 151.636 ug/l

RT: 4.471 min Scan# 555

Delta R.T. -0.006 min

Lab File: VX037650.D

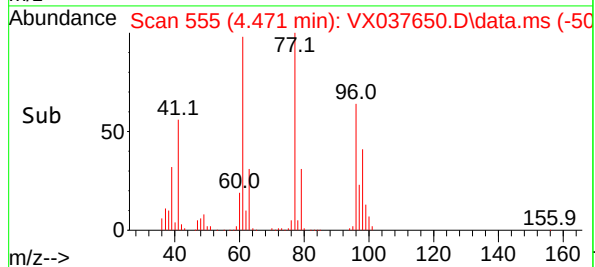
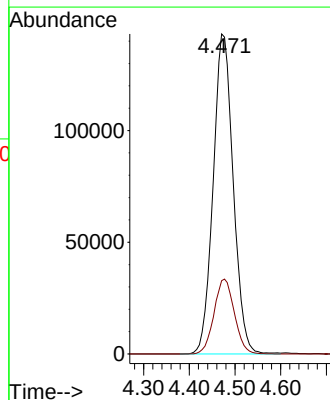
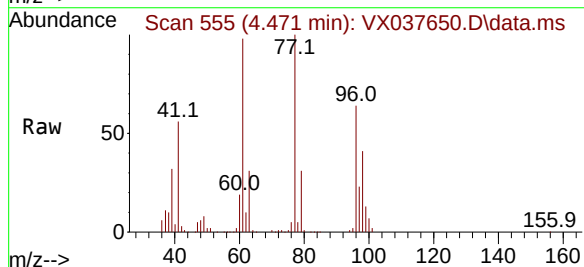
Acq: 11 Sep 2023 19:01

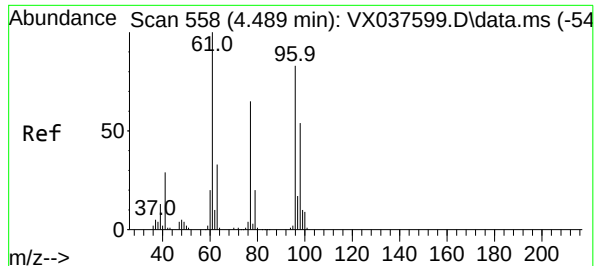
Tgt Ion: 77 Resp: 436583

Ion Ratio Lower Upper

77 100

97 23.7 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 145.815 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 96 Resp: 37838

Ion Ratio Lower Upper

96 100

61 140.8 0.0 312.2

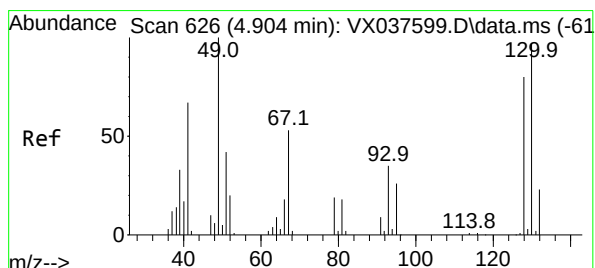
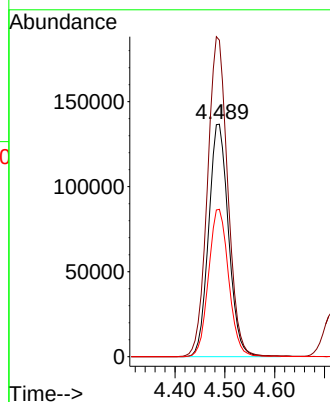
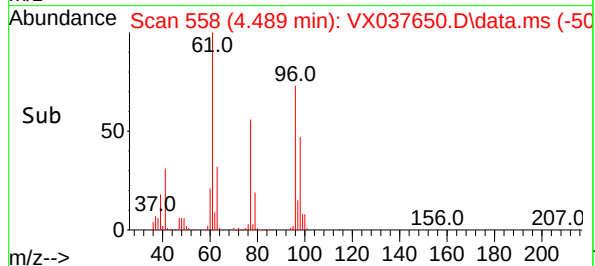
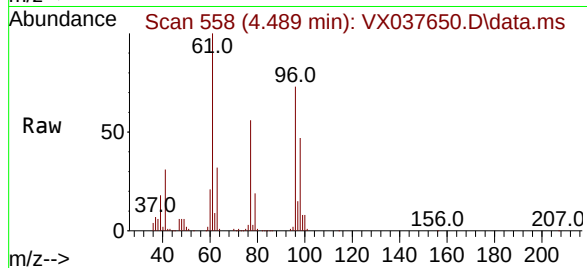
98 64.3 0.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#28

Bromochloromethane

Concen: 136.754 ug/l

RT: 4.898 min Scan# 625

Delta R.T. -0.006 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

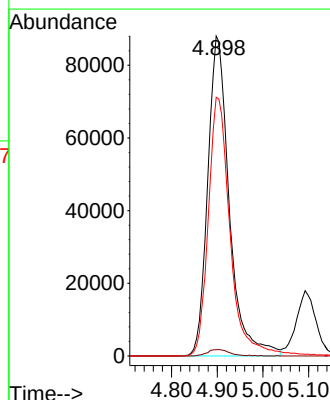
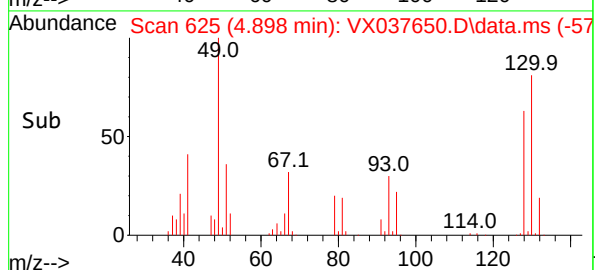
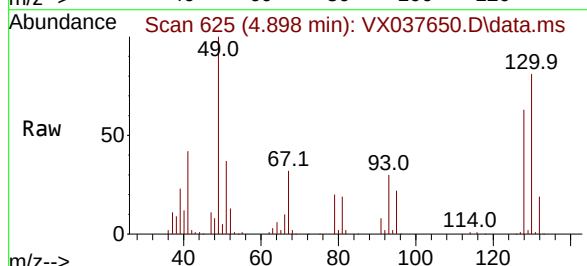
Tgt Ion: 49 Resp: 288344

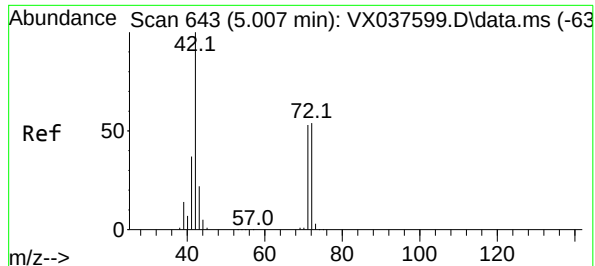
Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

130 82.2 57.5 86.3





#29

Tetrahydrofuran

Concen: 712.195 ug/l

RT: 5.007 min Scan# 643

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 42 Resp: 885050

Ion Ratio Lower Upper

42 100

72 49.1 34.2 51.4

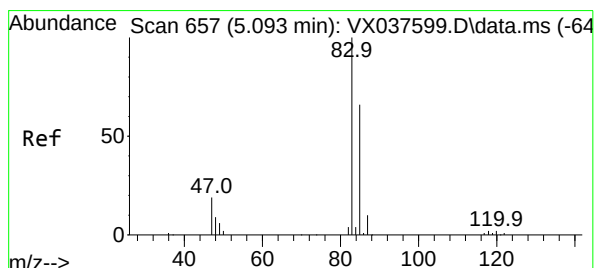
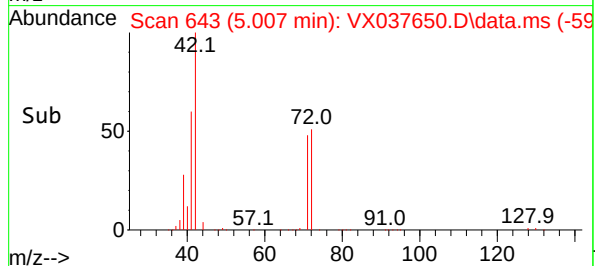
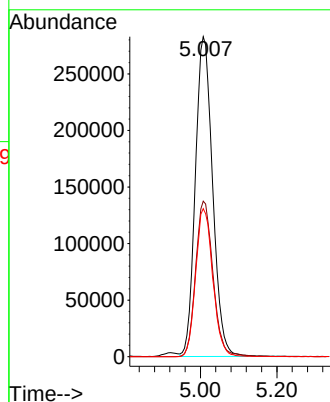
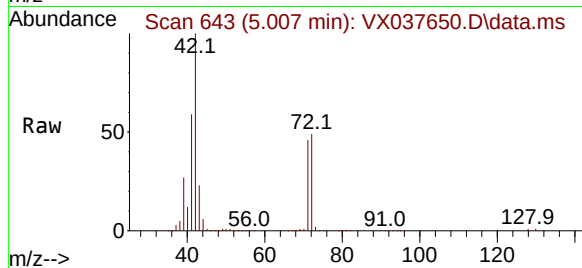
71 45.9 32.2 48.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#30

Chloroform

Concen: 143.254 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.006 min

Lab File: VX037650.D

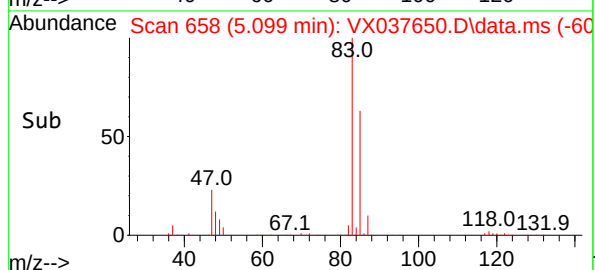
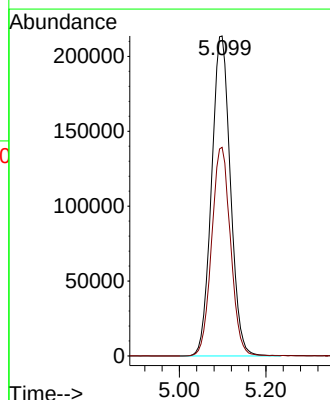
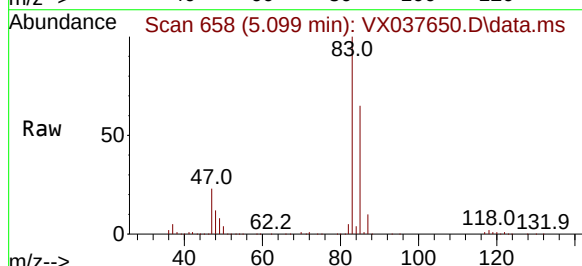
Acq: 11 Sep 2023 19:01

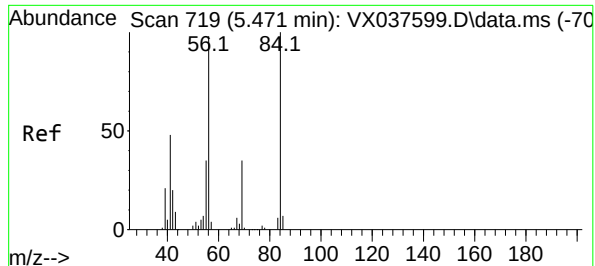
Tgt Ion: 83 Resp: 645836

Ion Ratio Lower Upper

83 100

85 65.2 50.3 75.5





#31

Cyclohexane

Concen: 143.116 ug/l

RT: 5.471 min Scan# 719

Delta R.T. -0.000 min

Lab File: VX037650.D

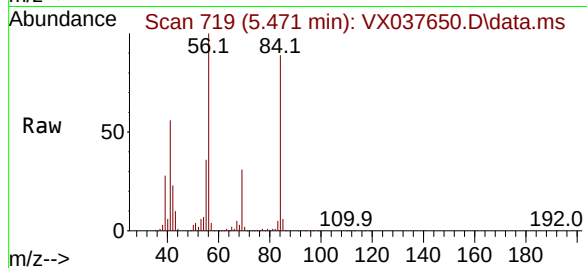
Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150



Tgt Ion: 56 Resp: 47976

Ion Ratio Lower Upper

56 100

69 31.5 23.4 35.2

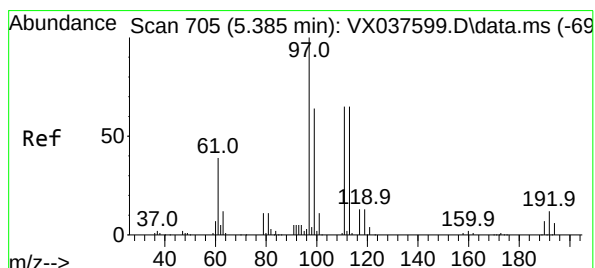
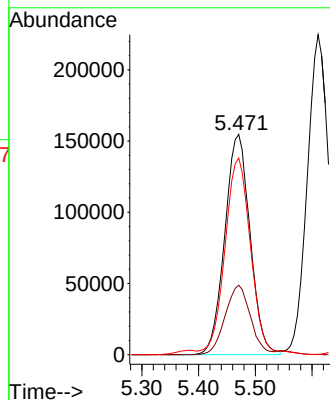
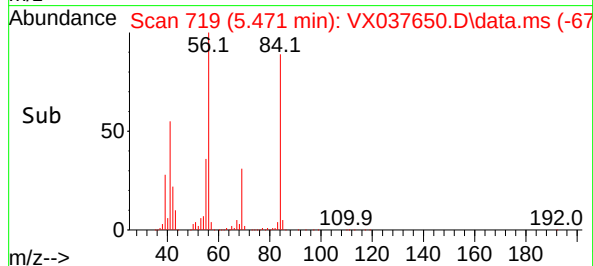
84 87.7 65.9 98.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#32

1,1,1-Trichloroethane

Concen: 148.412 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

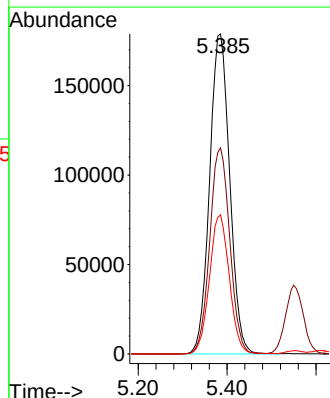
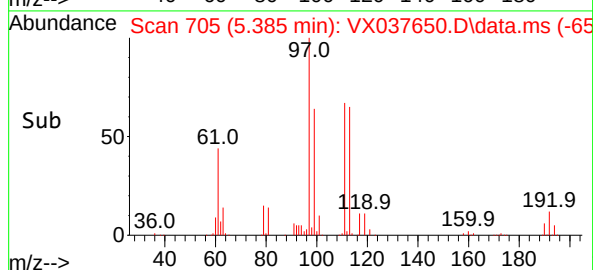
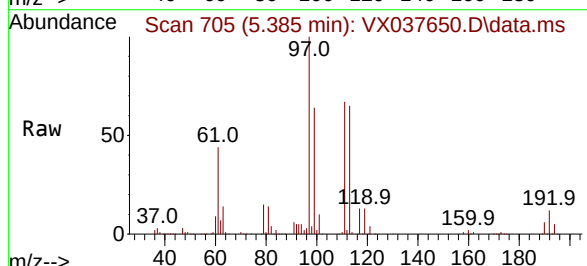
Tgt Ion: 97 Resp: 561995

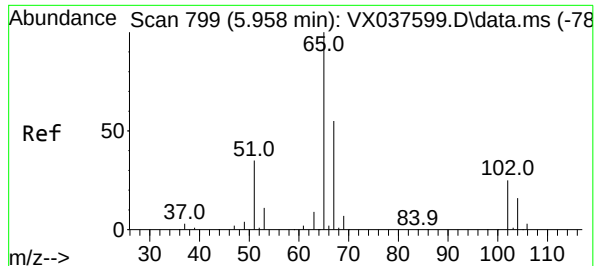
Ion Ratio Lower Upper

97 100

99 64.2 51.1 76.7

61 43.1 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 139.077 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 65 Resp: 40487

Ion Ratio Lower Upper

65 100

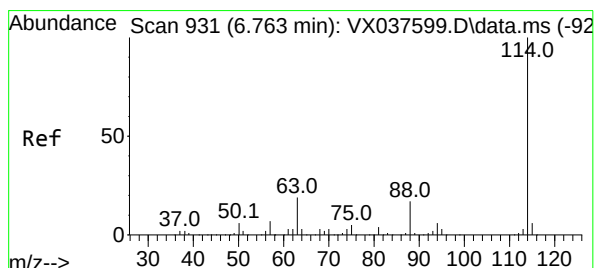
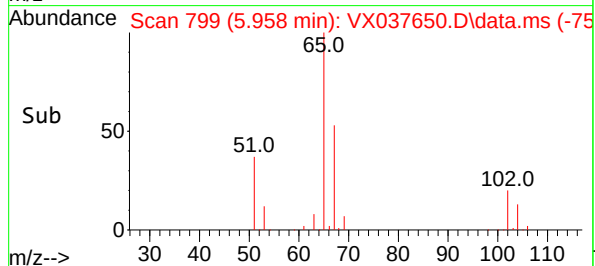
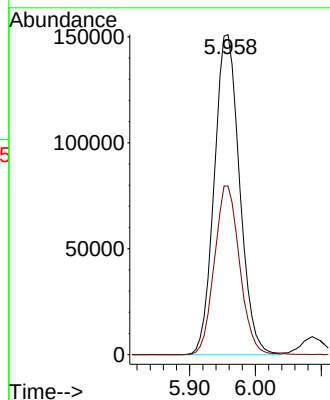
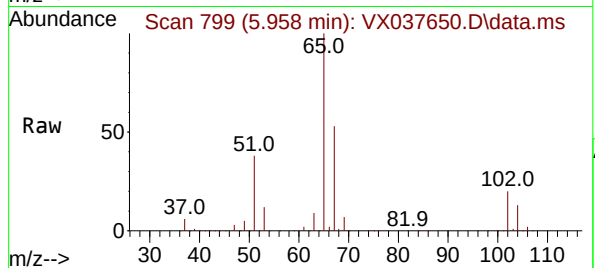
67 52.6 0.0 100.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

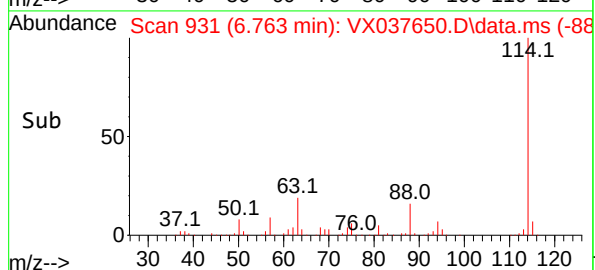
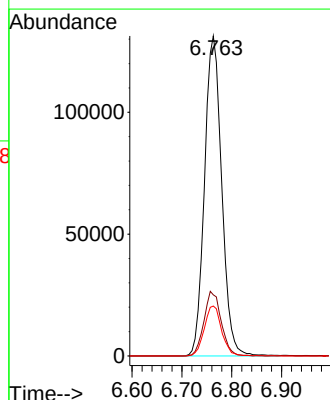
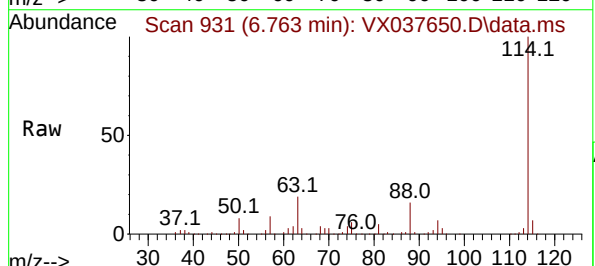
Tgt Ion:114 Resp: 315062

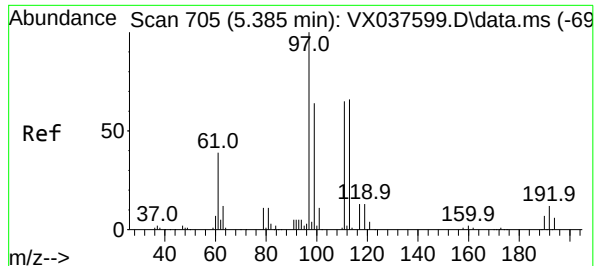
Ion Ratio Lower Upper

114 100

63 19.1 0.0 45.0

88 15.6 0.0 36.6





#35

Dibromofluoromethane

Concen: 150.715 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:113 Resp: 336579

Ion Ratio Lower Upper

113 100

111 102.6 82.9 124.3

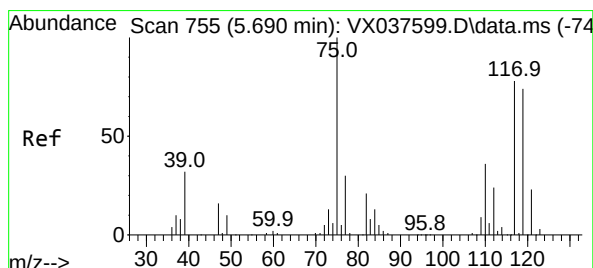
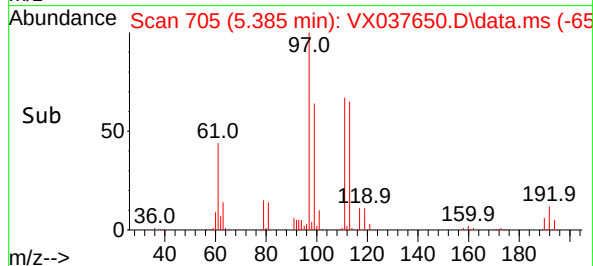
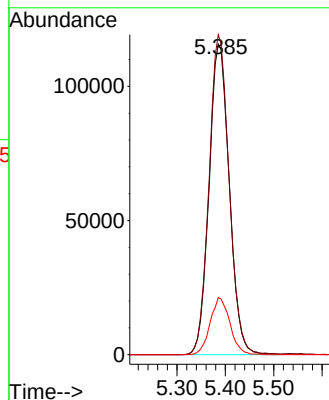
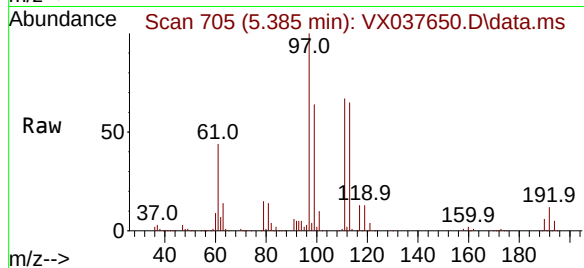
192 17.9 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#36

1,1-Dichloropropene

Concen: 144.114 ug/l

RT: 5.690 min Scan# 755

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

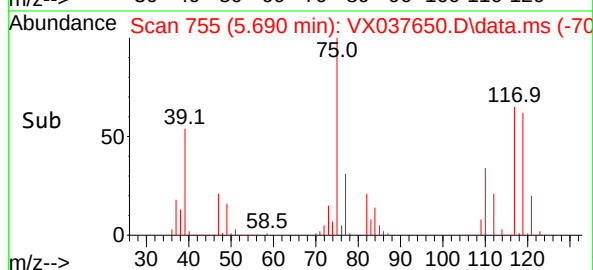
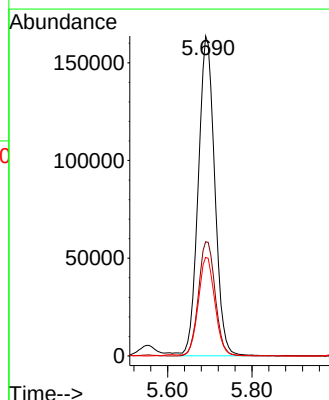
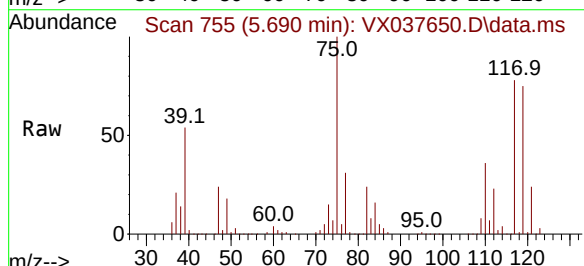
Tgt Ion: 75 Resp: 443816

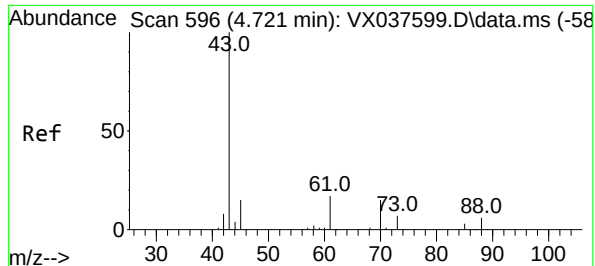
Ion Ratio Lower Upper

75 100

110 36.5 17.0 50.9

77 31.1 24.7 37.1





#37

Ethyl Acetate

Concen: 148.066 ug/l

RT: 4.721 min Scan# 596

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 526688

Ion Ratio Lower Upper

43 100

61 14.9 10.6 16.0

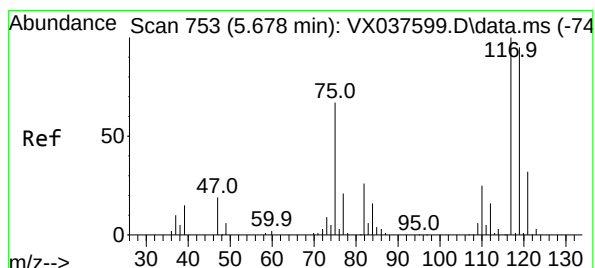
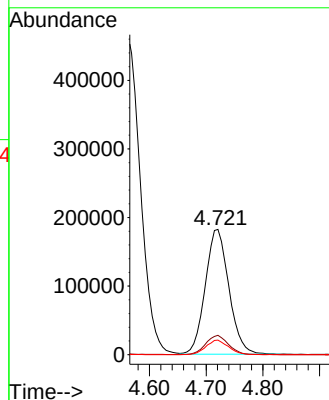
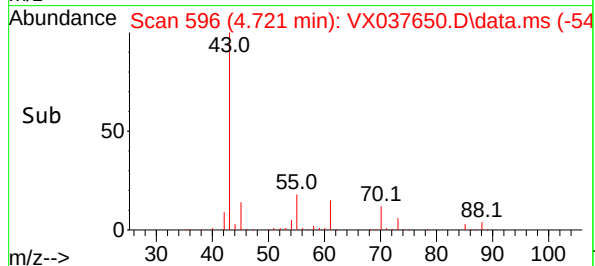
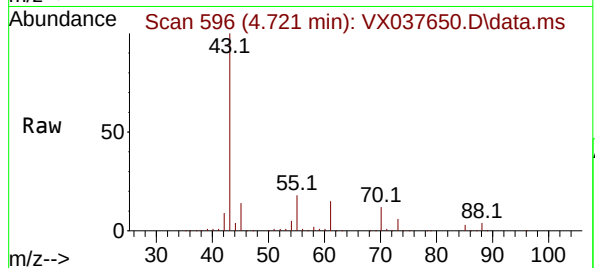
70 11.2 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#38

Carbon Tetrachloride

Concen: 155.345 ug/l

RT: 5.678 min Scan# 753

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

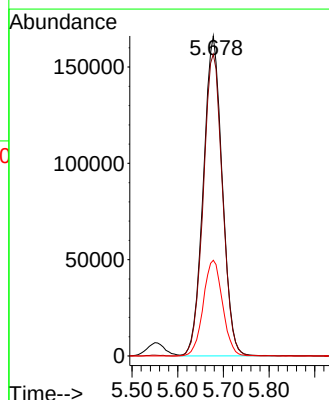
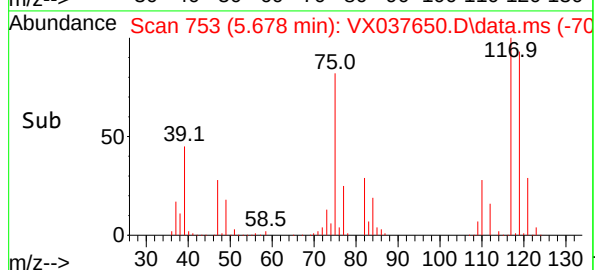
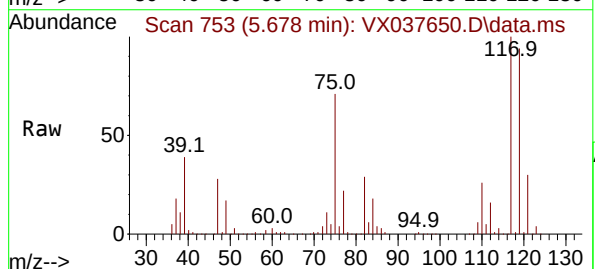
Tgt Ion:117 Resp: 477800

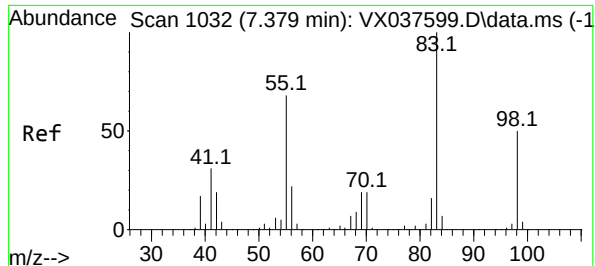
Ion Ratio Lower Upper

117 100

119 94.3 78.2 117.2

121 29.9 24.4 36.6





#39

Methylcyclohexane

Concen: 148.842 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 539130

Ion Ratio Lower Upper

83 100

55 73.1 64.6 97.0

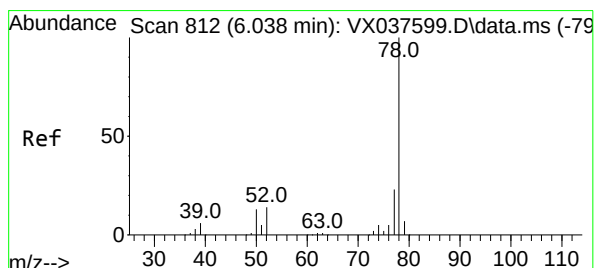
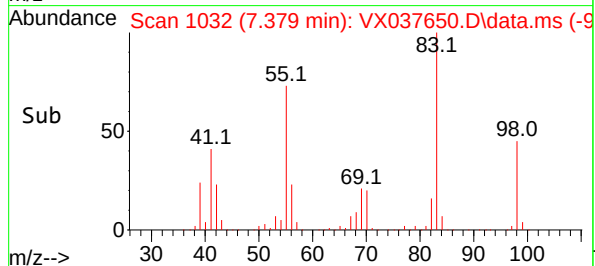
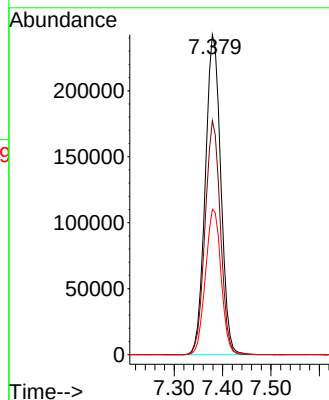
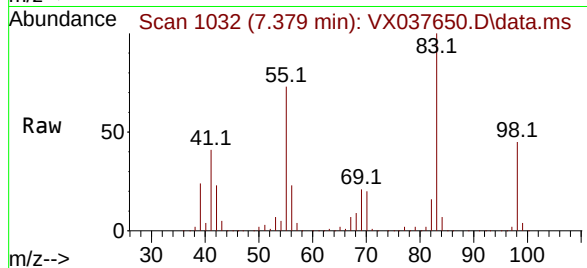
98 45.5 36.7 55.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#40

Benzene

Concen: 144.595 ug/l

RT: 6.038 min Scan# 812

Delta R.T. -0.000 min

Lab File: VX037650.D

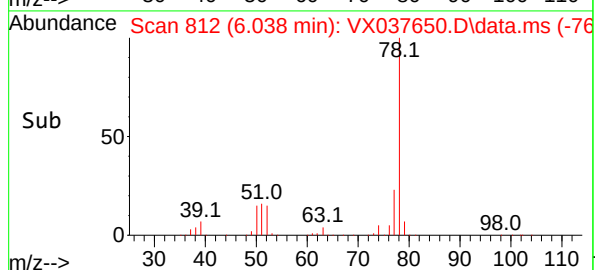
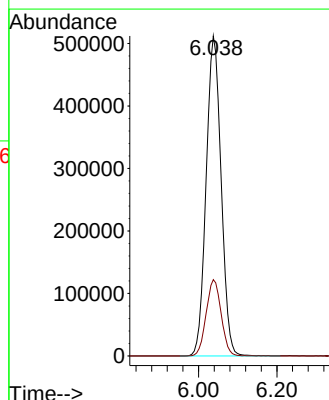
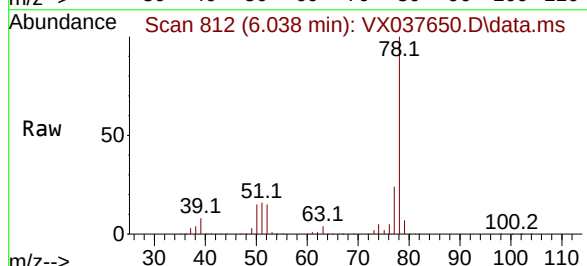
Acq: 11 Sep 2023 19:01

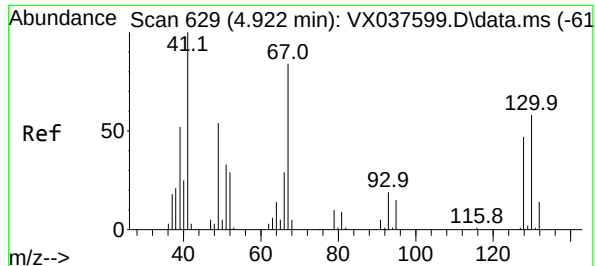
Tgt Ion: 78 Resp: 1354012

Ion Ratio Lower Upper

78 100

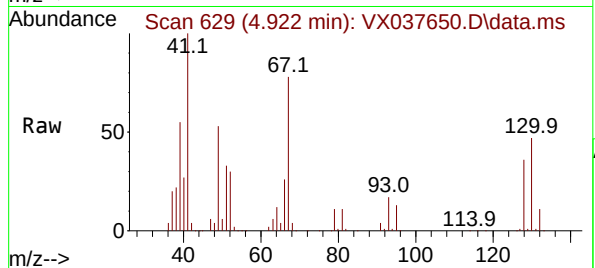
77 23.9 19.3 28.9





#41
Methacrylonitrile
Concen: 150.381 ug/l
RT: 4.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX037650.D
Acq: 11 Sep 2023 19:01

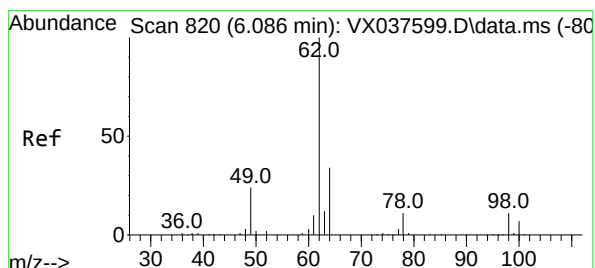
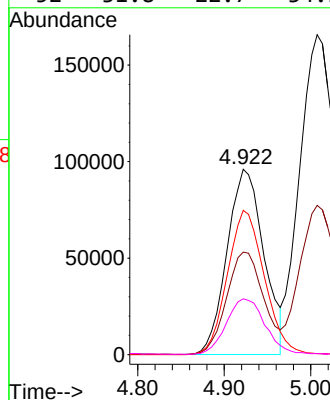
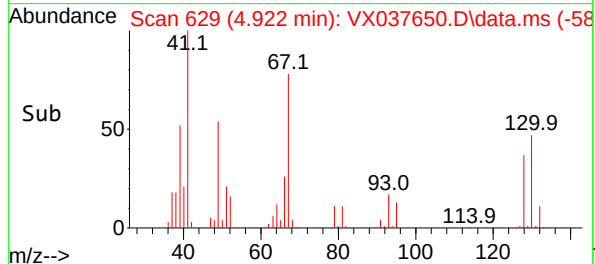
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion: 41 Resp: 283758
Ion Ratio Lower Upper
41 100
39 55.6 45.2 67.8
67 78.5 52.6 78.8
52 31.8 22.7 34.1

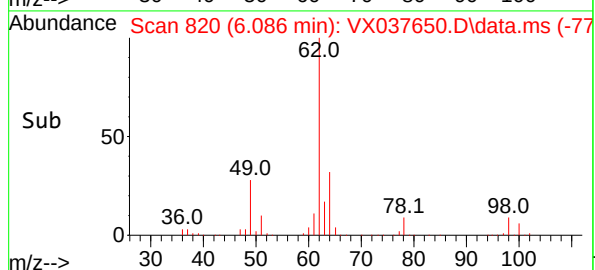
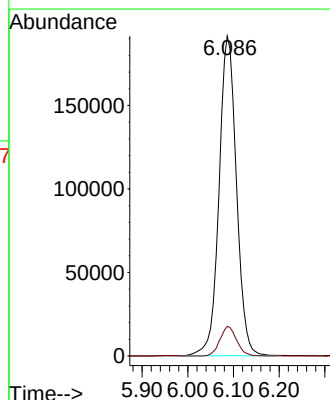
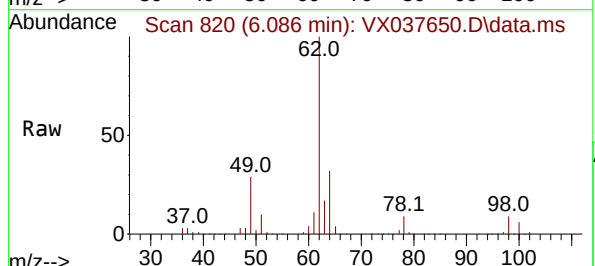
Manual Integrations
APPROVED

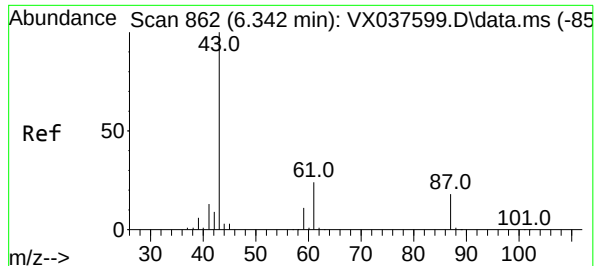
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#42
1,2-Dichloroethane
Concen: 139.818 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX037650.D
Acq: 11 Sep 2023 19:01

Tgt Ion: 62 Resp: 507349
Ion Ratio Lower Upper
62 100
98 8.9 0.0 16.0





#43

Isopropyl Acetate

Concen: 155.206 ug/l

RT: 6.342 min Scan# 80

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

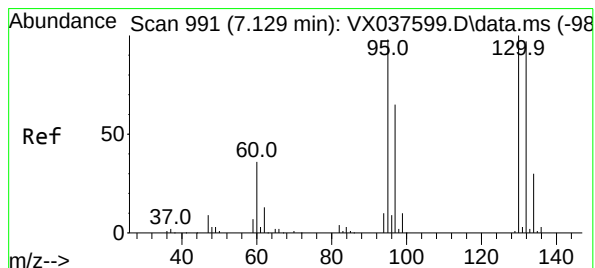
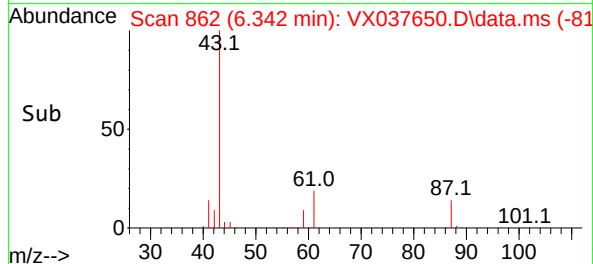
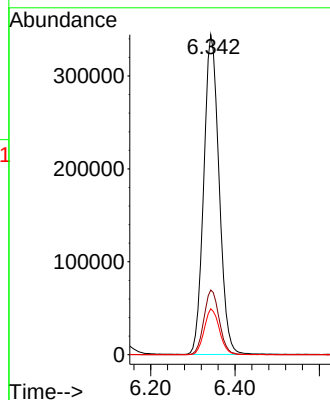
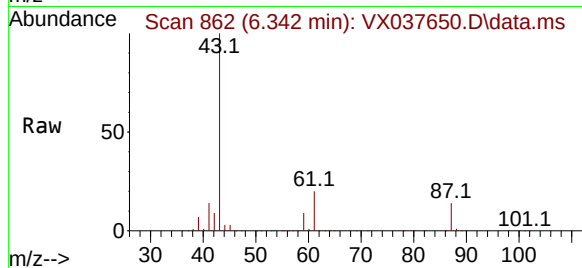
VSTDIC150

Tgt Ion:	43	Resp:	87138
Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.2	22.8
87	14.2	9.8	14.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#44

Trichloroethene

Concen: 150.333 ug/l

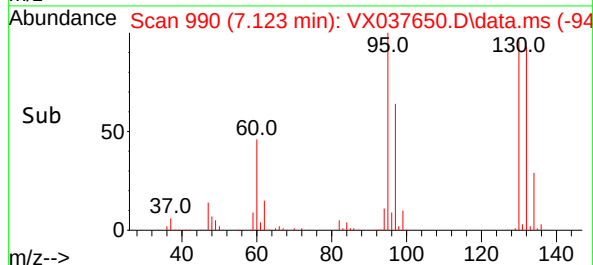
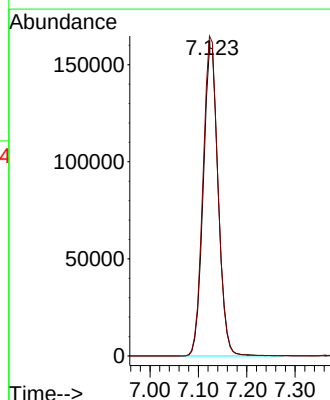
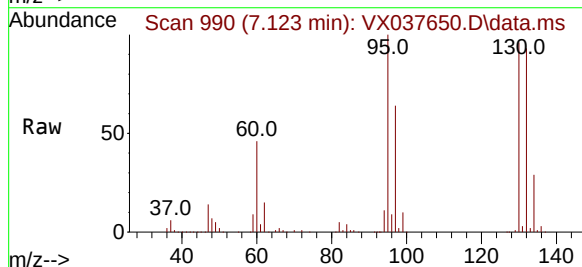
RT: 7.123 min Scan# 990

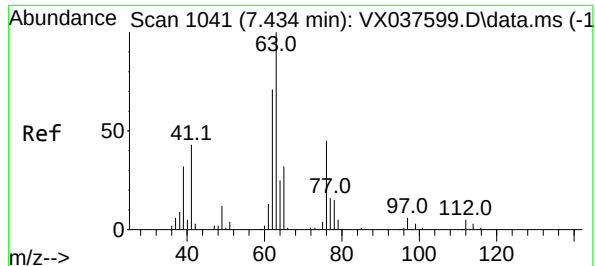
Delta R.T. -0.006 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Tgt Ion:	130	Resp:	343581
Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	204.4





#45

1,2-Dichloropropane

Concen: 145.464 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 63 Resp: 35742

Ion Ratio Lower Upper

63 100

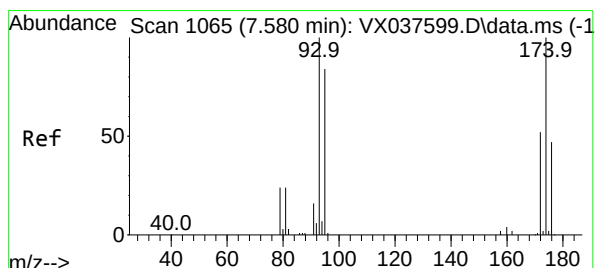
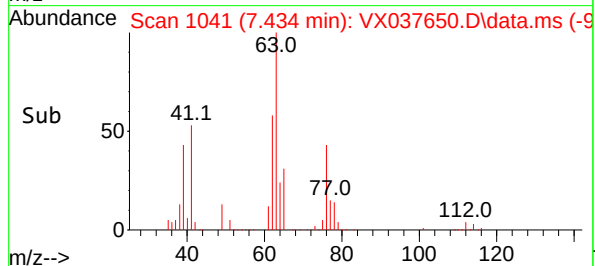
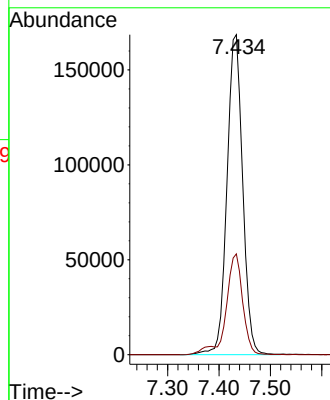
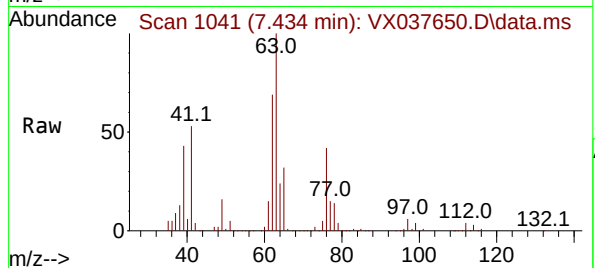
65 31.5 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#46

Dibromomethane

Concen: 148.361 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

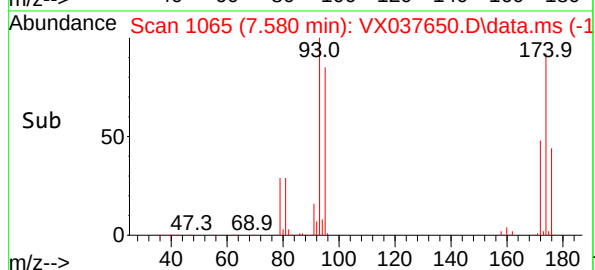
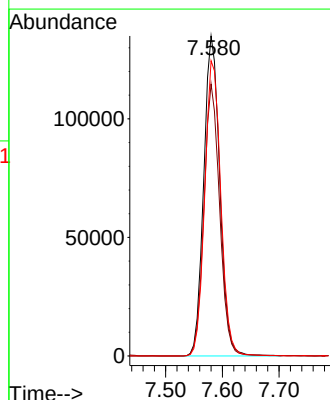
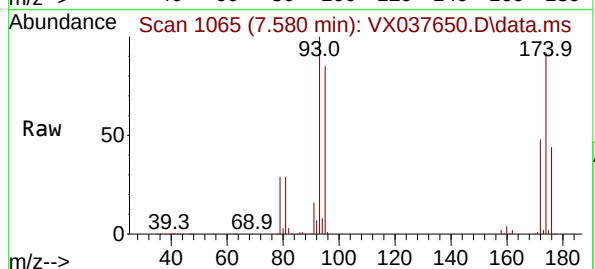
Tgt Ion: 93 Resp: 265959

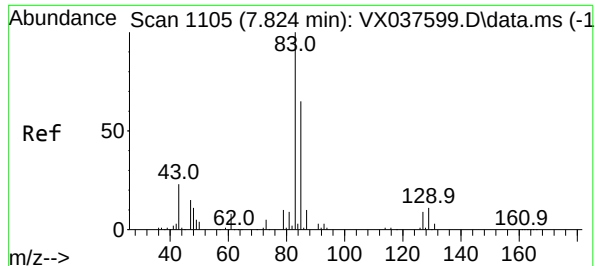
Ion Ratio Lower Upper

93 100

95 83.1 66.6 100.0

174 92.4 69.4 104.0





#47

Bromodichloromethane

Concen: 158.922 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 510610

Ion Ratio Lower Upper

83 100

85 65.4 49.8 74.6

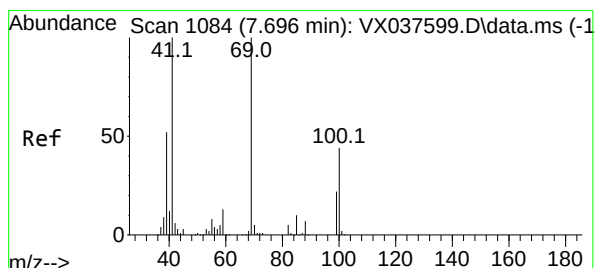
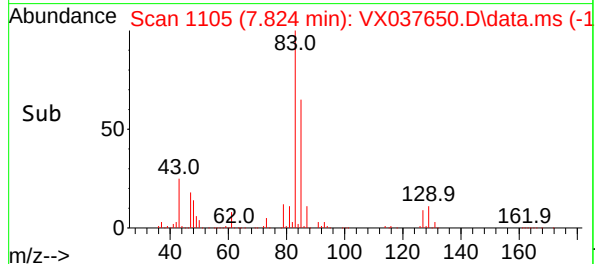
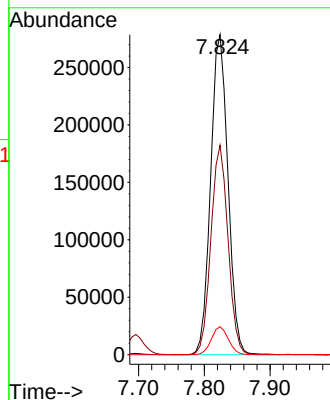
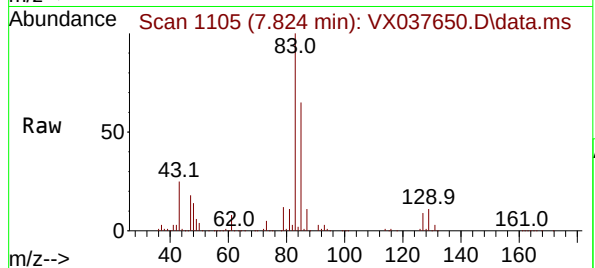
127 8.8 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#48

Methyl methacrylate

Concen: 150.790 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

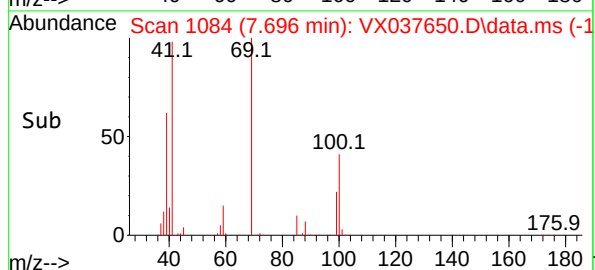
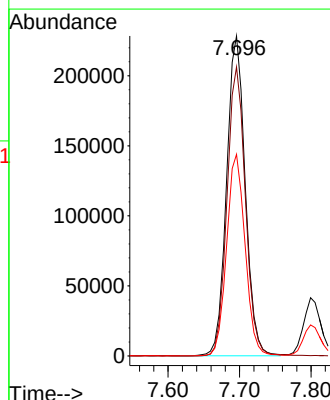
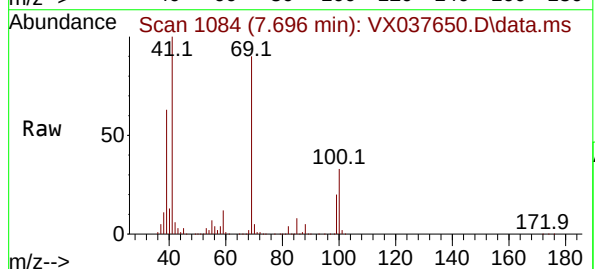
Tgt Ion: 41 Resp: 413470

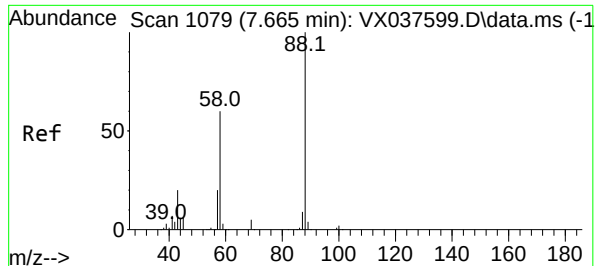
Ion Ratio Lower Upper

41 100

69 89.6 59.2 88.8

39 62.6 47.7 71.5





#49

1,4-Dioxane

Concen: 2962.021 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 88 Resp: 202299

Ion Ratio Lower Upper

88 100

43 29.6 0.0 0.0

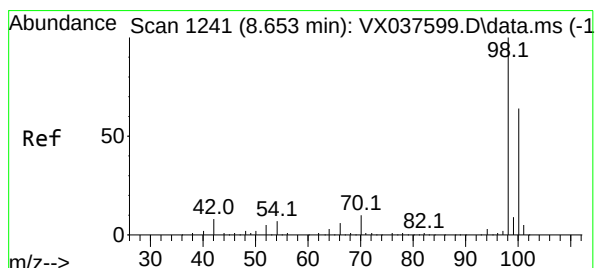
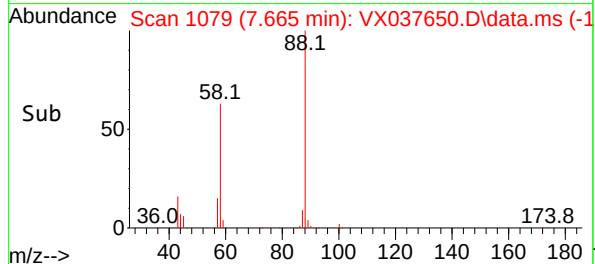
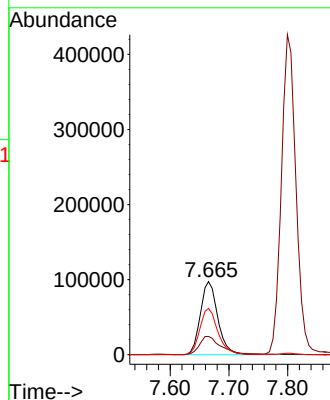
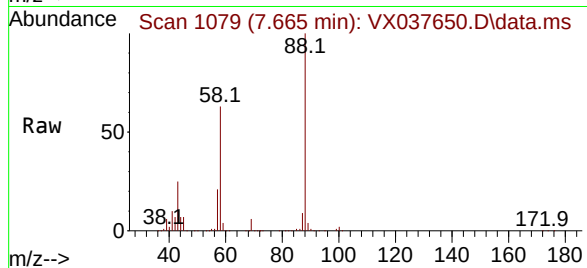
58 65.2 60.1 90.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#50

Toluene-d8

Concen: 148.616 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX037650.D

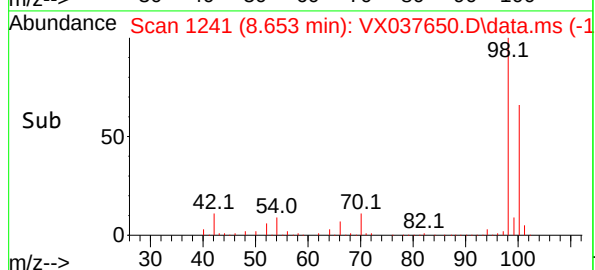
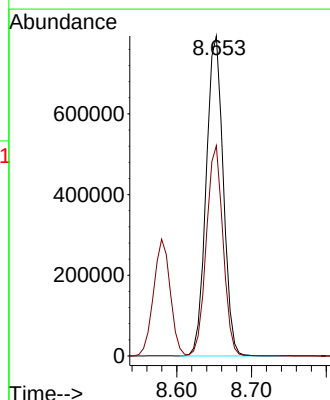
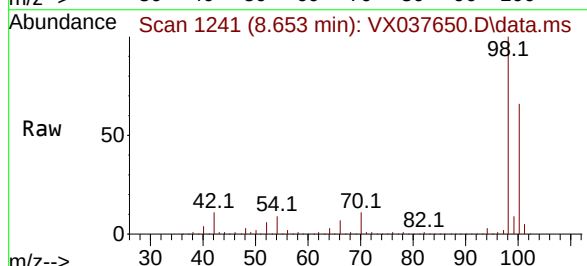
Acq: 11 Sep 2023 19:01

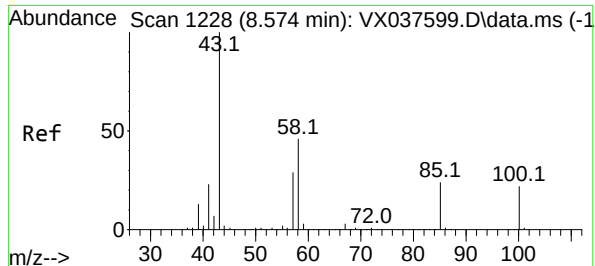
Tgt Ion: 98 Resp: 1251697

Ion Ratio Lower Upper

98 100

100 64.4 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 729.858 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 270176

Ion Ratio Lower Upper

43 100

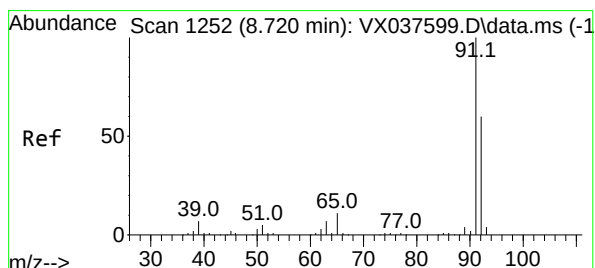
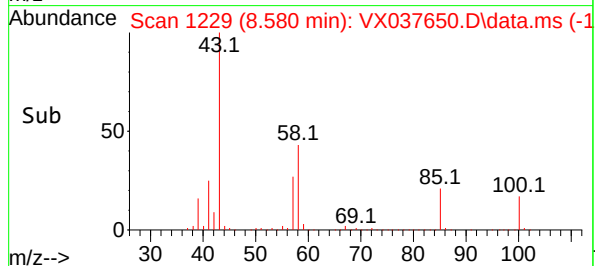
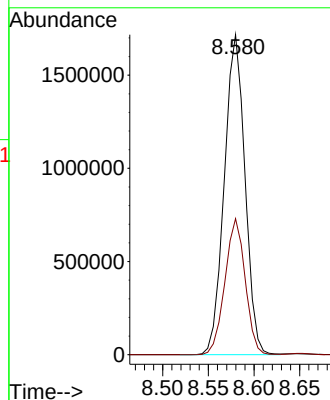
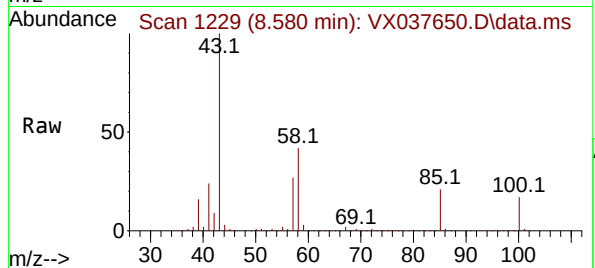
58 41.6 30.4 45.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#52

Toluene

Concen: 151.269 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX037650.D

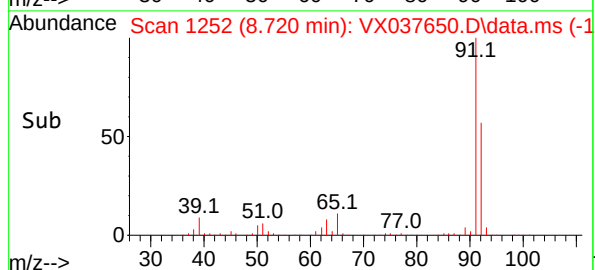
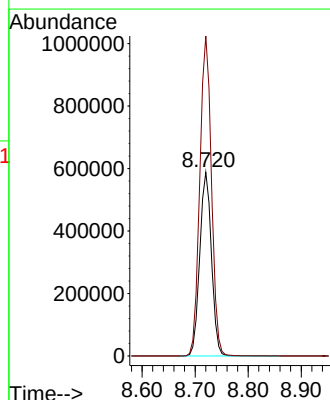
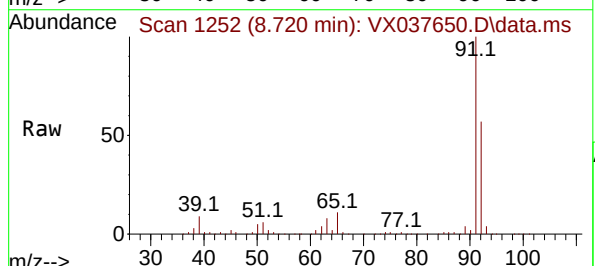
Acq: 11 Sep 2023 19:01

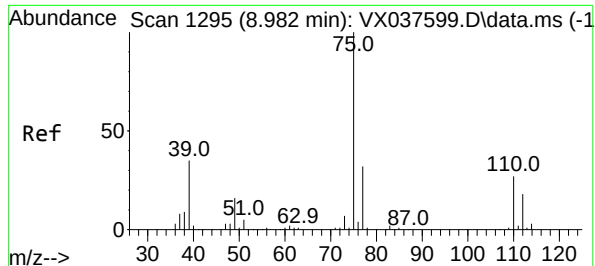
Tgt Ion: 92 Resp: 896300

Ion Ratio Lower Upper

92 100

91 174.2 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 175.041 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.006 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 75 Resp: 567358

Ion Ratio Lower Upper

75 100

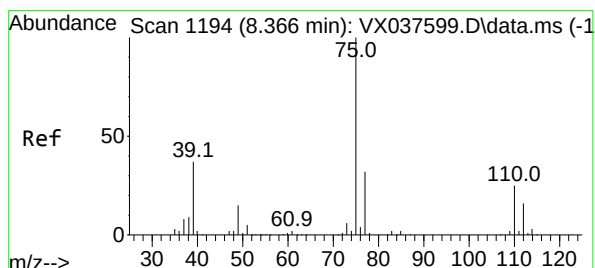
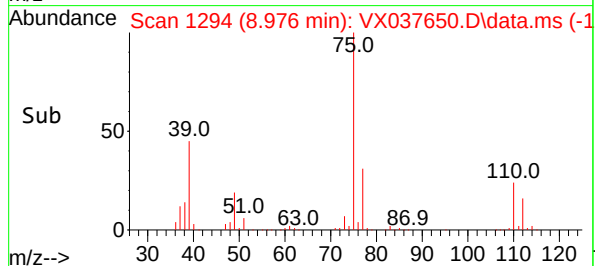
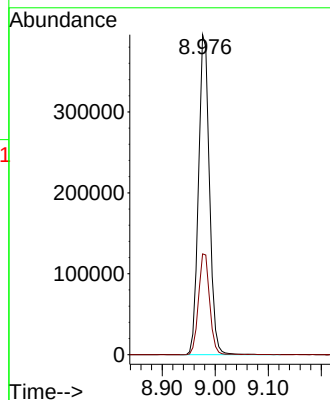
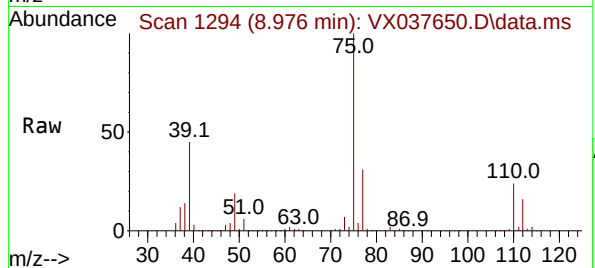
77 31.5 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#54

cis-1,3-Dichloropropene

Concen: 165.115 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

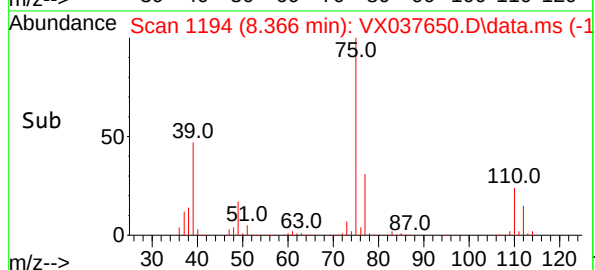
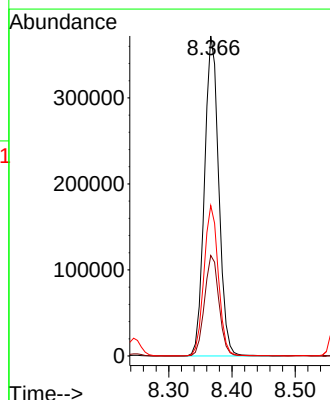
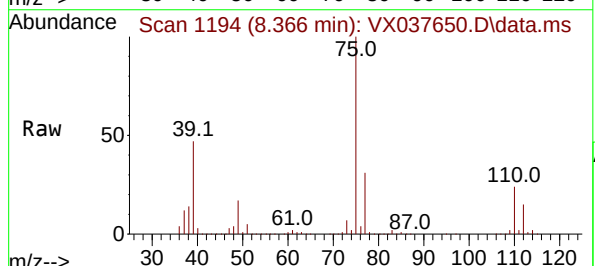
Tgt Ion: 75 Resp: 584782

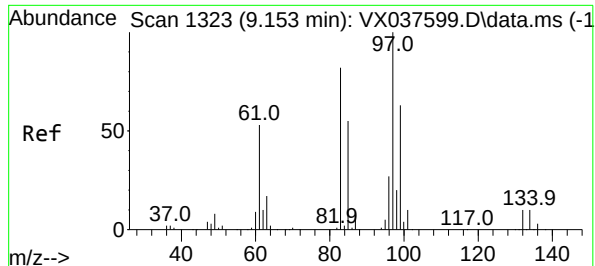
Ion Ratio Lower Upper

75 100

77 31.4 25.3 37.9

39 47.0 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 149.916 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 97 Resp: 381960

Ion Ratio Lower Upper

97 100

83 87.5 65.8 98.8

85 56.3 41.6 62.4

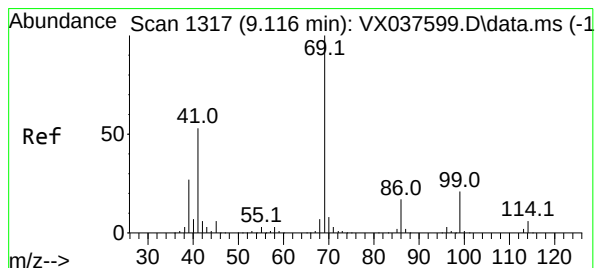
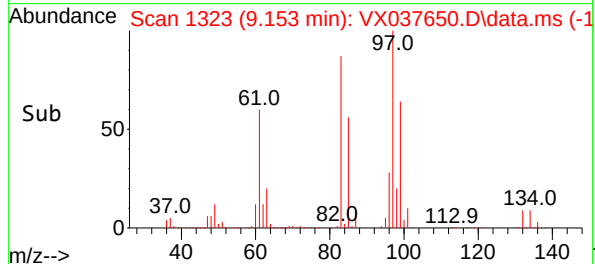
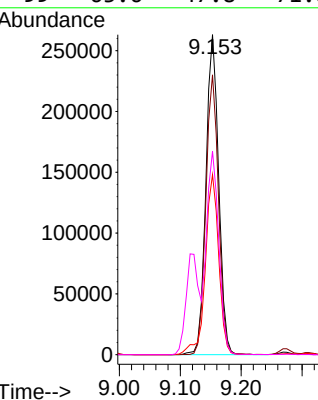
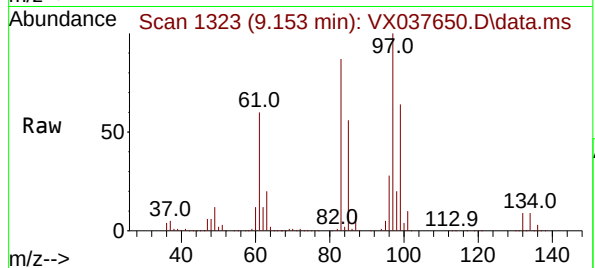
99 63.6 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#56

Ethyl methacrylate

Concen: 162.308 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

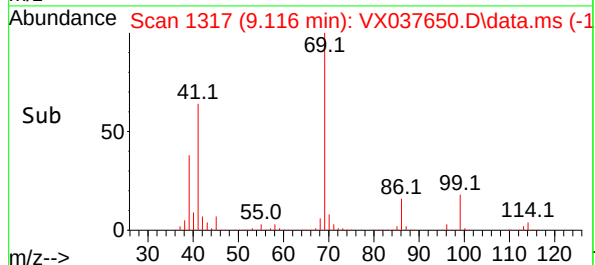
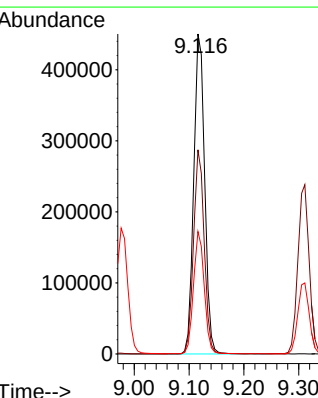
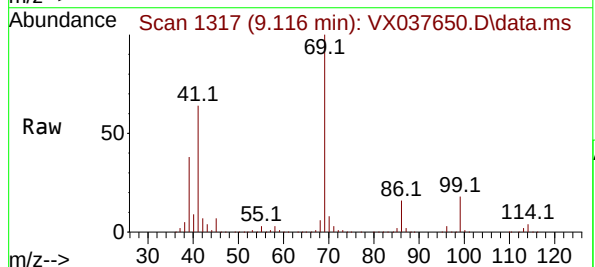
Tgt Ion: 69 Resp: 621466

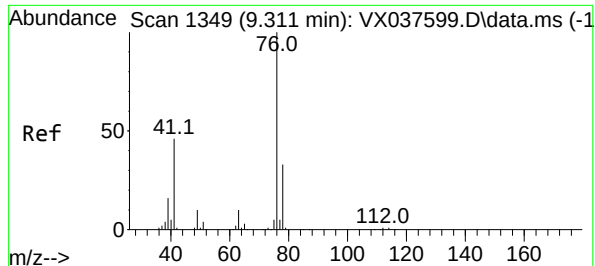
Ion Ratio Lower Upper

69 100

41 62.3 56.8 85.2

39 37.6 32.0 48.0





#57

1,3-Dichloropropane

Concen: 146.764 ug/l

RT: 9.311 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 76 Resp: 622479

Ion Ratio Lower Upper

76 100

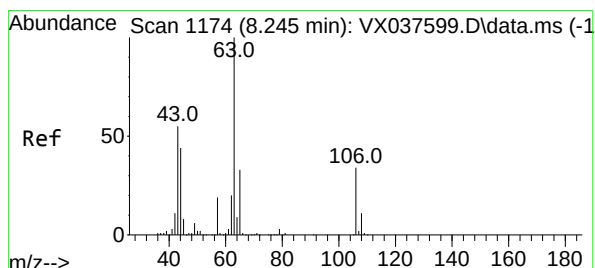
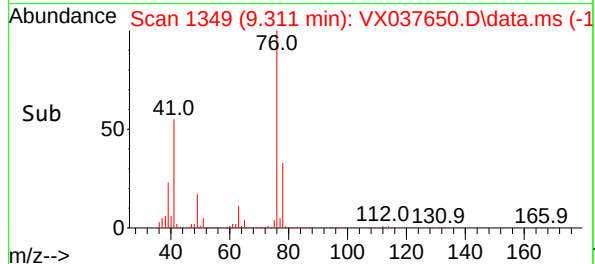
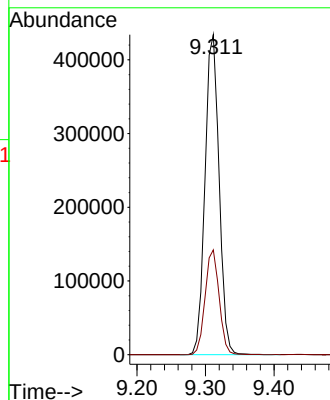
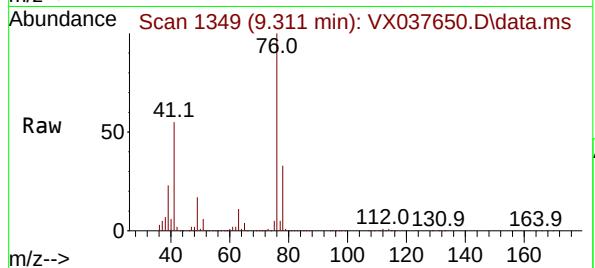
78 32.6 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#58

2-Chloroethyl Vinyl ether

Concen: 803.145 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. -0.000 min

Lab File: VX037650.D

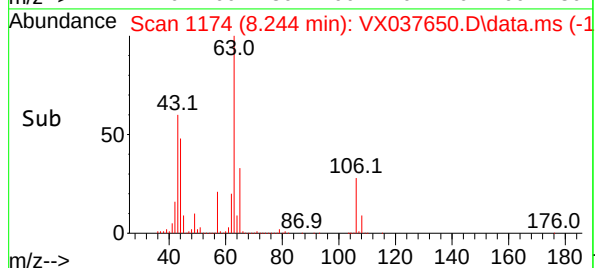
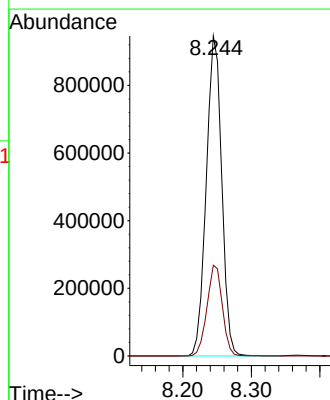
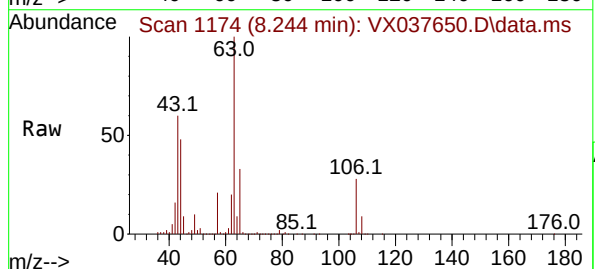
Acq: 11 Sep 2023 19:01

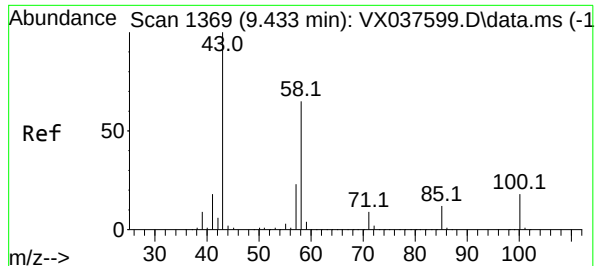
Tgt Ion: 63 Resp: 1484230

Ion Ratio Lower Upper

63 100

106 28.2 22.5 33.7





#59

2-Hexanone

Concen: 741.778 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 210619

Ion Ratio Lower Upper

43 100

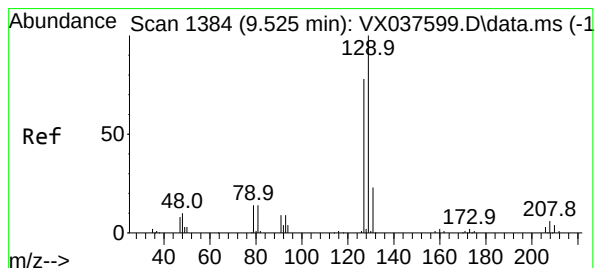
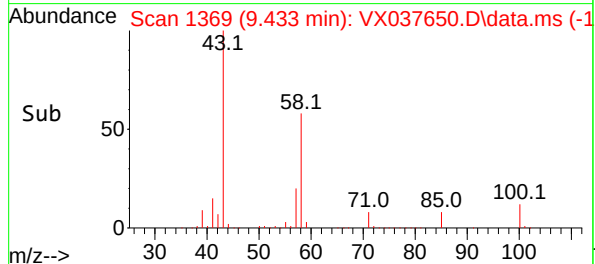
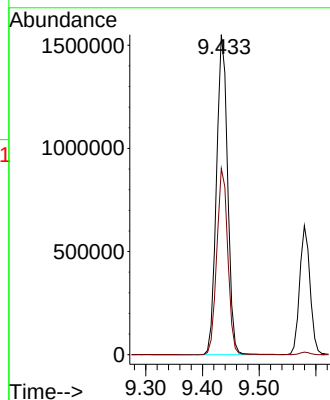
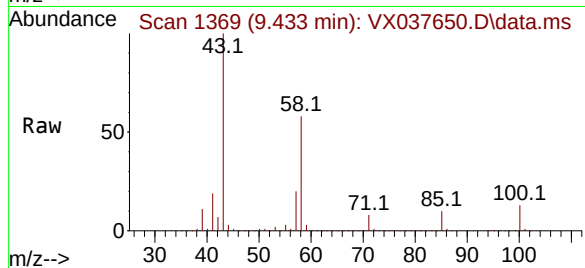
58 57.7 26.2 78.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#60

Dibromochloromethane

Concen: 169.661 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VX037650.D

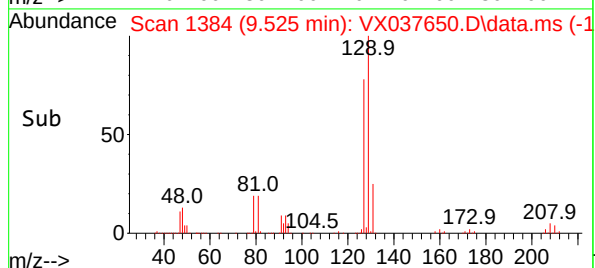
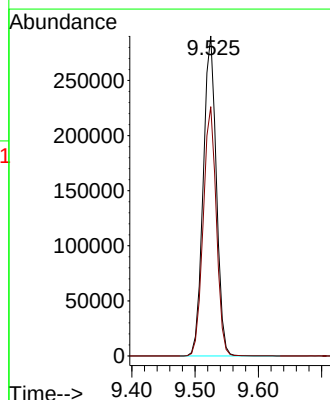
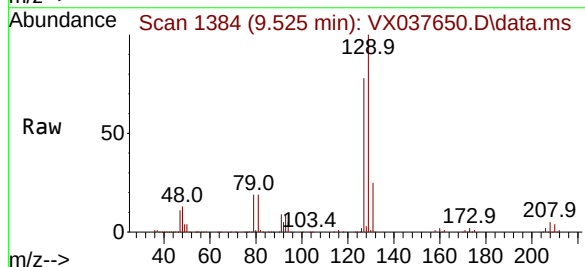
Acq: 11 Sep 2023 19:01

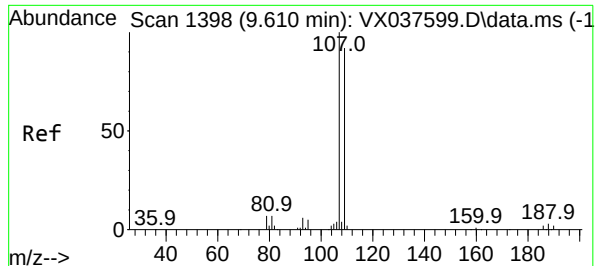
Tgt Ion:129 Resp: 419576

Ion Ratio Lower Upper

129 100

127 77.8 38.8 116.4





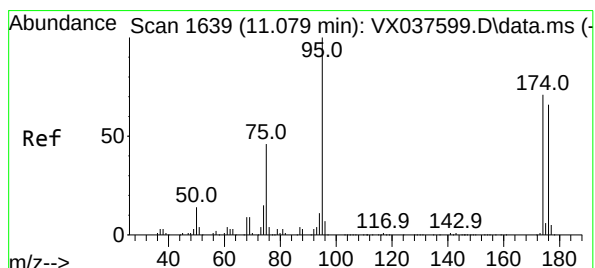
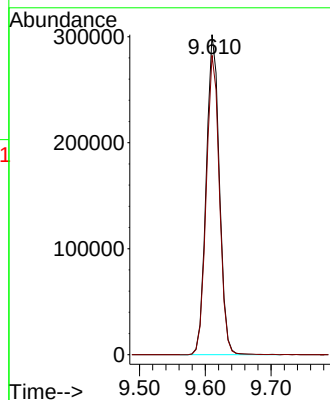
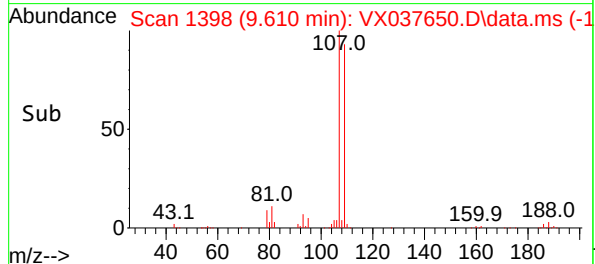
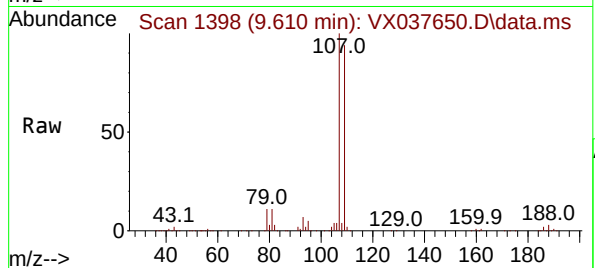
#61
1,2-Dibromoethane
Concen: 156.355 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. -0.000 min
Lab File: VX037650.D
Acq: 11 Sep 2023 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 420070
Ion Ratio Lower Upper
107 100
109 93.5 75.2 112.8

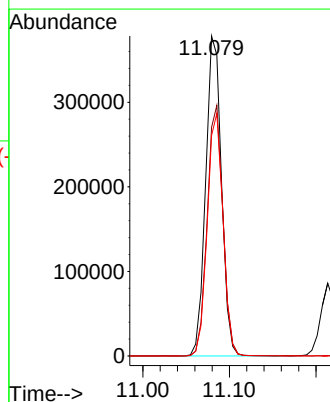
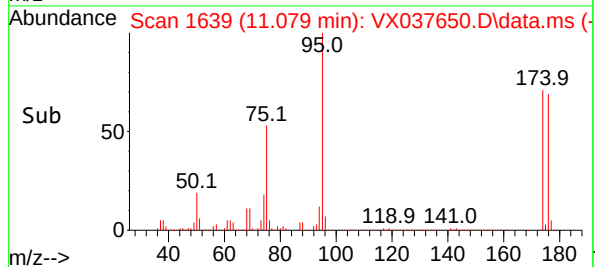
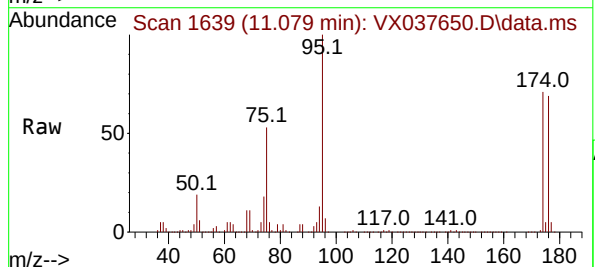
Manual Integrations
APPROVED

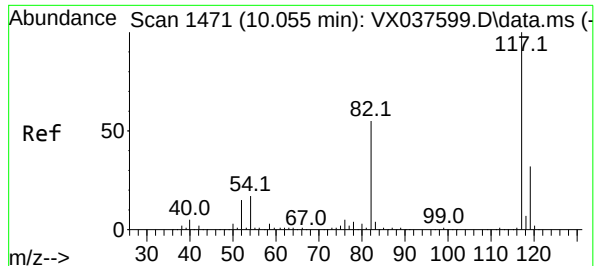
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#62
4-Bromofluorobenzene
Concen: 157.655 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037650.D
Acq: 11 Sep 2023 19:01

Tgt Ion: 95 Resp: 479045
Ion Ratio Lower Upper
95 100
174 78.1 0.0 135.6
176 75.5 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:117 Resp: 31023

Ion Ratio Lower Upper

117 100

82 56.1 46.2 69.4

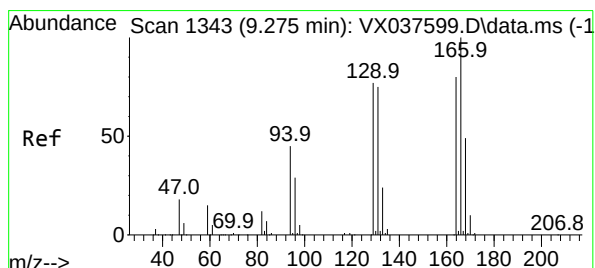
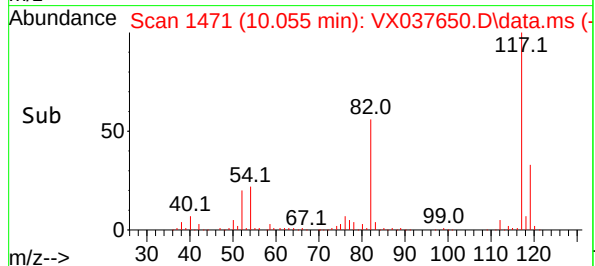
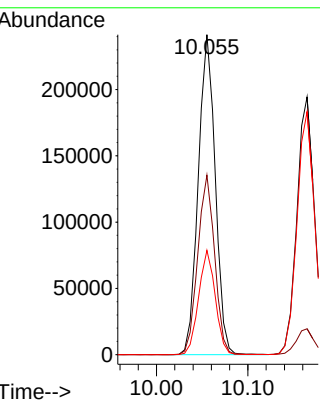
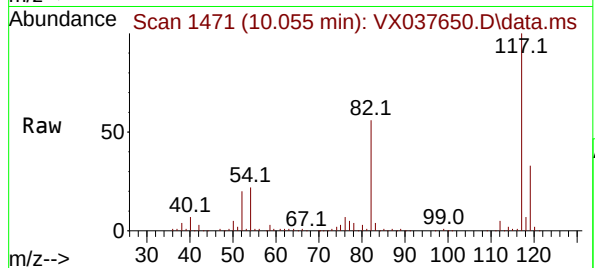
119 32.6 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#64

Tetrachloroethene

Concen: 145.901 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Tgt Ion:164 Resp: 289953

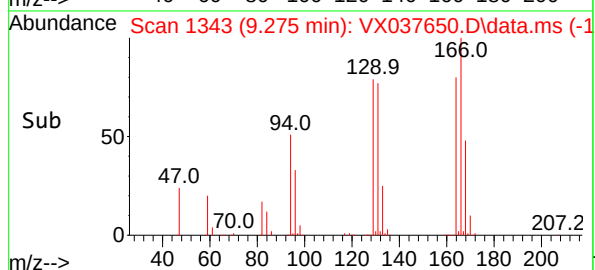
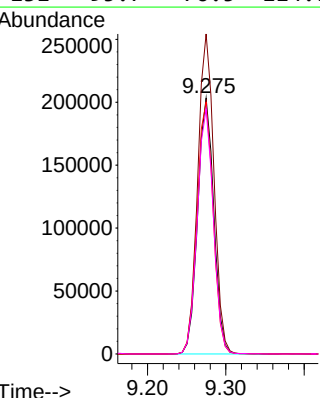
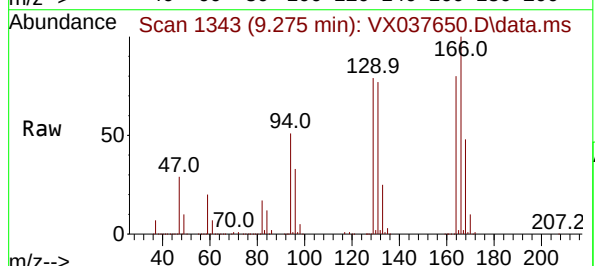
Ion Ratio Lower Upper

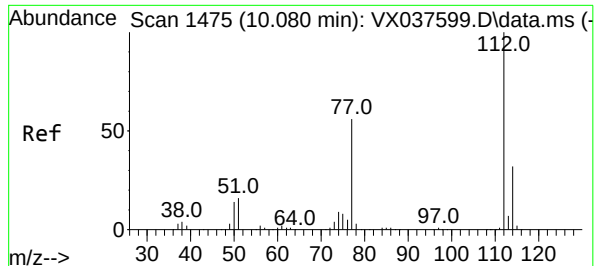
164 100

166 125.1 102.7 154.1

129 98.4 80.4 120.6

131 95.7 76.5 114.7





#65

Chlorobenzene

Concen: 146.094 ug/l

RT: 10.080 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion:112 Resp: 977085

Ion Ratio Lower Upper

112 100

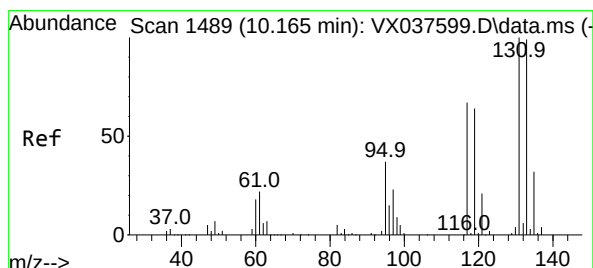
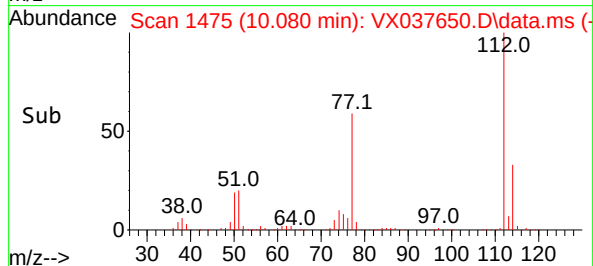
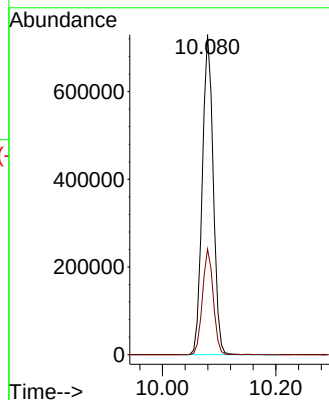
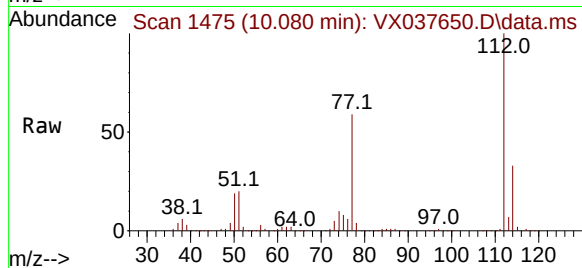
114 33.0 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#66

1,1,1,2-Tetrachloroethane

Concen: 160.382 ug/l

RT: 10.165 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

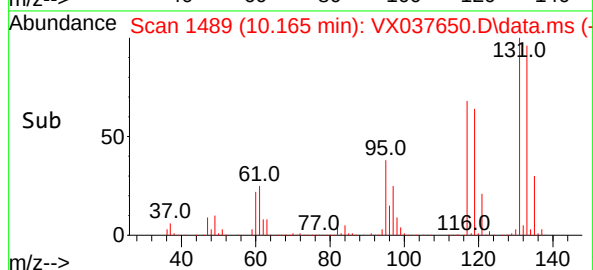
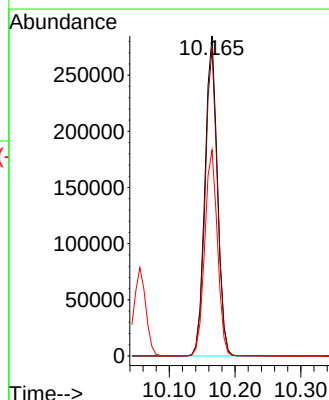
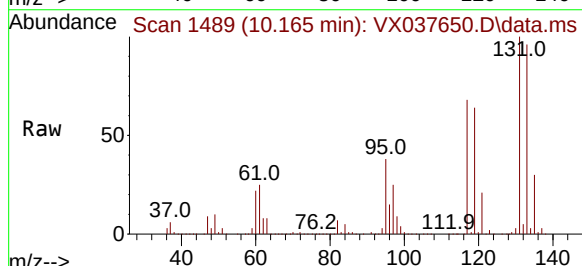
Tgt Ion:131 Resp: 374347

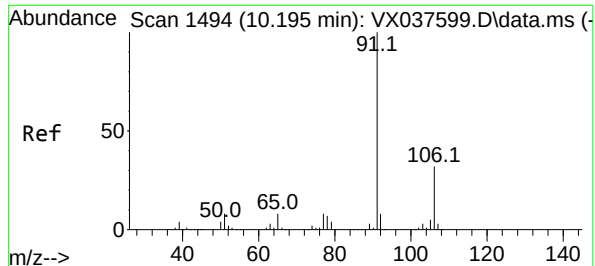
Ion Ratio Lower Upper

131 100

133 95.1 47.1 141.4

119 65.9 32.2 96.6





#67

Ethyl Benzene

Concen: 148.017 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 176044

Ion Ratio Lower Upper

91 100

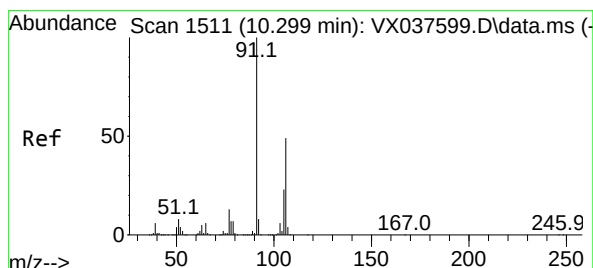
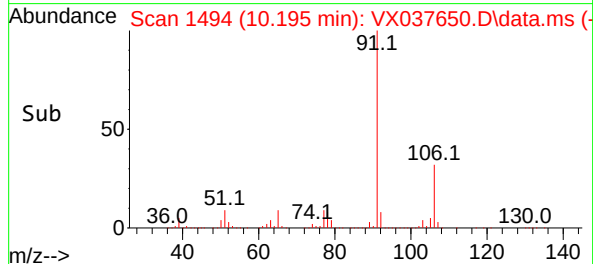
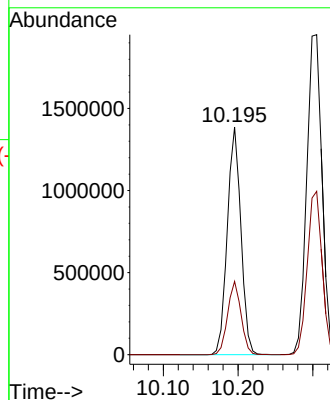
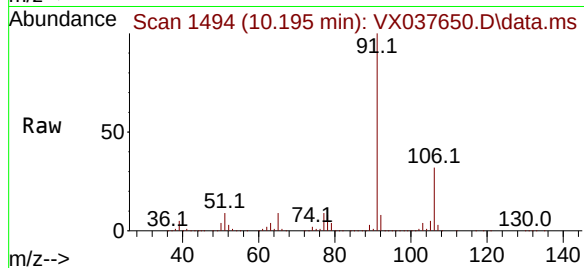
106 32.2 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#68

m/p-Xylenes

Concen: 302.784 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX037650.D

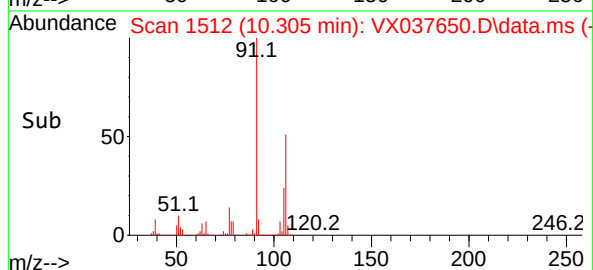
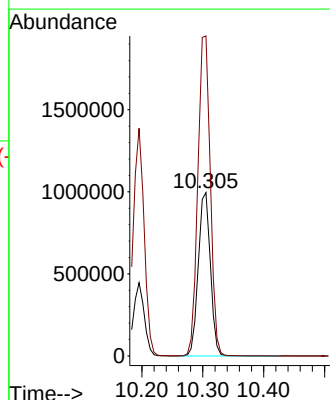
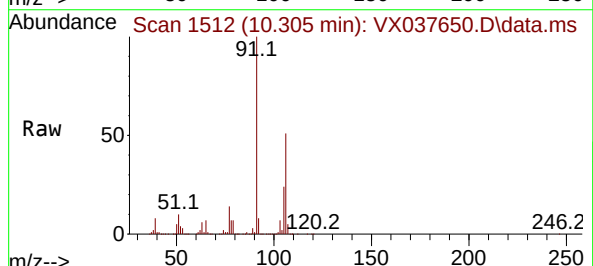
Acq: 11 Sep 2023 19:01

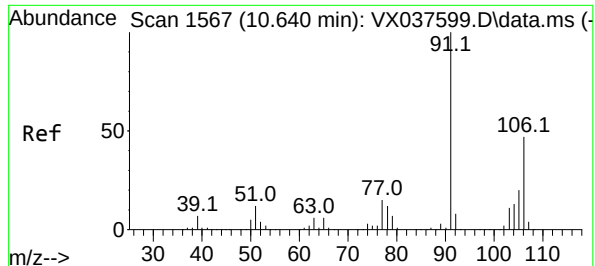
Tgt Ion:106 Resp: 1372160

Ion Ratio Lower Upper

106 100

91 201.6 165.5 248.3





#69

o-Xylene

Concen: 153.145 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion:106 Resp: 68819

Ion Ratio Lower Upper

106 100

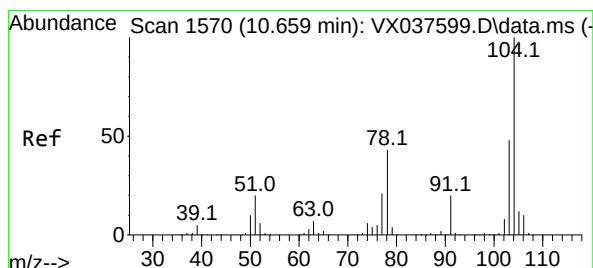
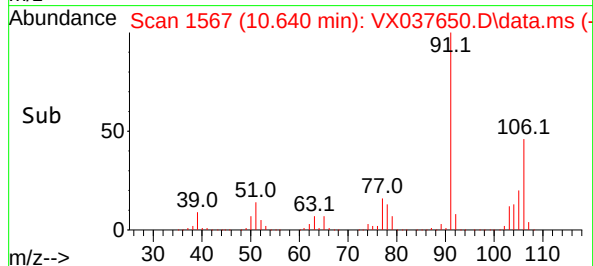
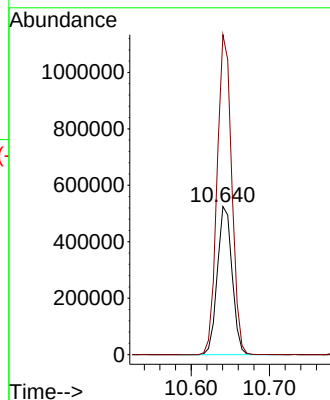
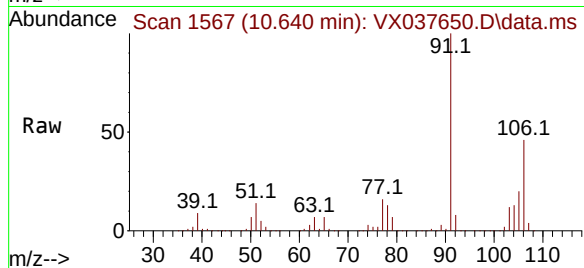
91 214.1 108.9 326.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#70

Styrene

Concen: 156.244 ug/l

RT: 10.659 min Scan# 1570

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

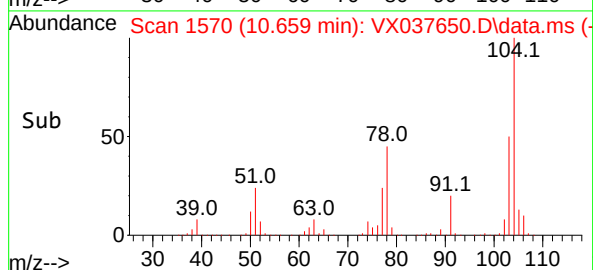
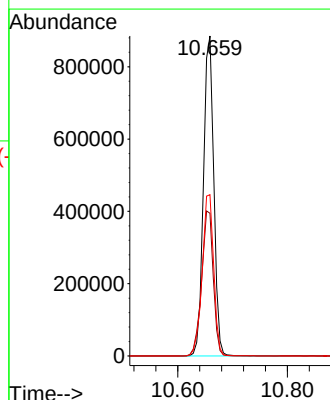
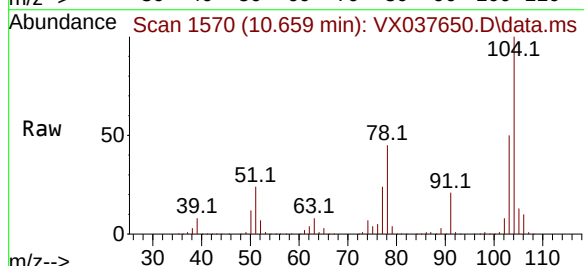
Tgt Ion:104 Resp: 1158365

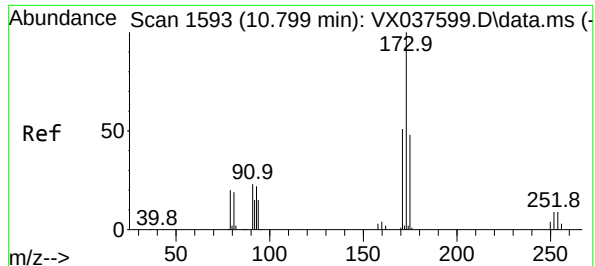
Ion Ratio Lower Upper

104 100

78 51.0 43.6 65.4

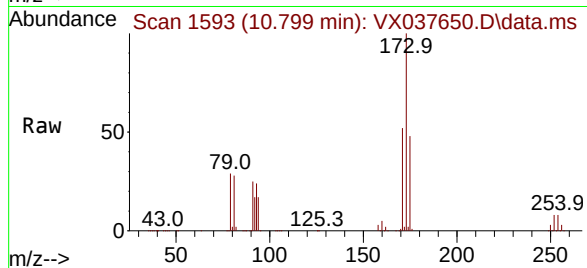
103 56.1 43.6 65.4





#71
Bromoform
Concen: 180.556 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX037650.D
Acq: 11 Sep 2023 19:01

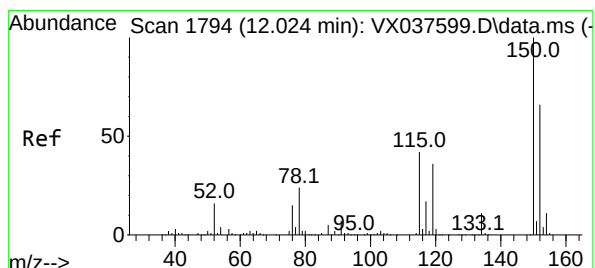
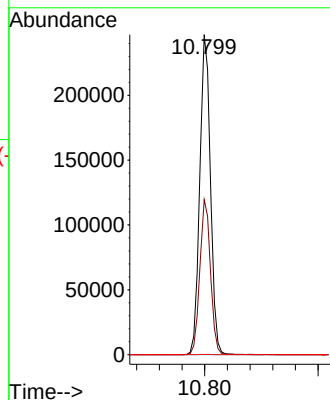
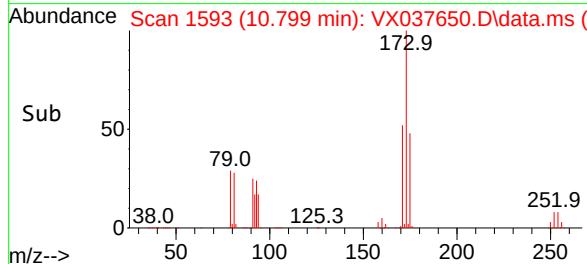
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion:173 Resp: 322150
Ion Ratio Lower Upper
173 100
175 48.3 24.1 72.4
254 0.1 0.0 0.0

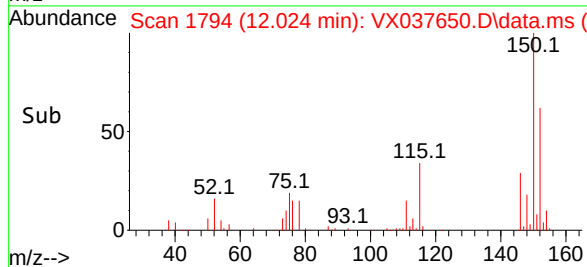
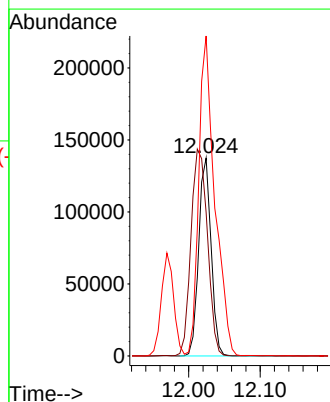
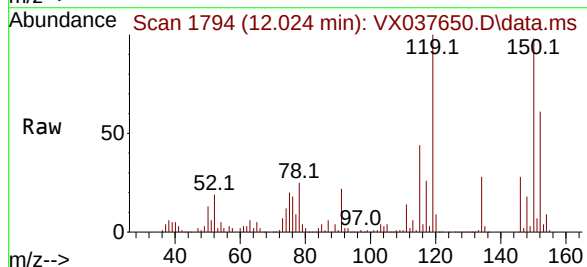
Manual Integrations
APPROVED

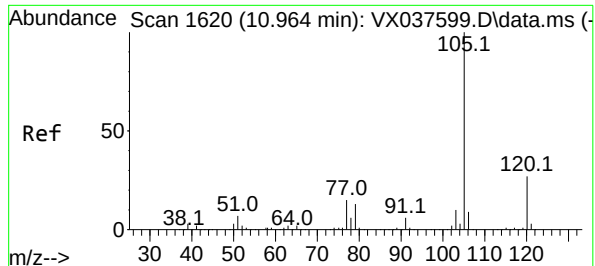
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037650.D
Acq: 11 Sep 2023 19:01

Tgt Ion:152 Resp: 165943
Ion Ratio Lower Upper
152 100
115 138.3 43.3 129.9#
150 208.5 0.0 345.0





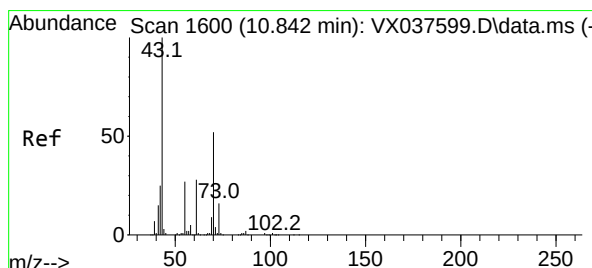
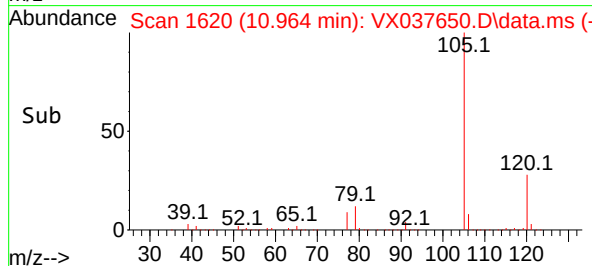
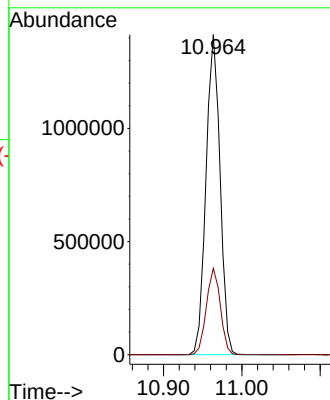
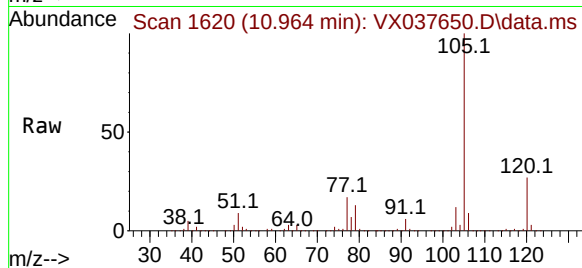
#73
Isopropylbenzene
Concen: 140.502 ug/l
RT: 10.964 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX037650.D
Acq: 11 Sep 2023 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 1754598
Ion Ratio Lower Upper
105 100
120 26.8 12.9 38.6

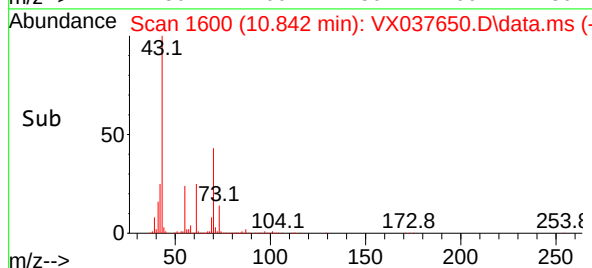
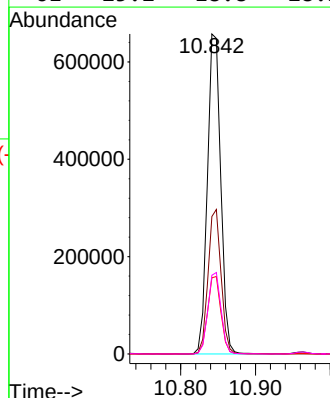
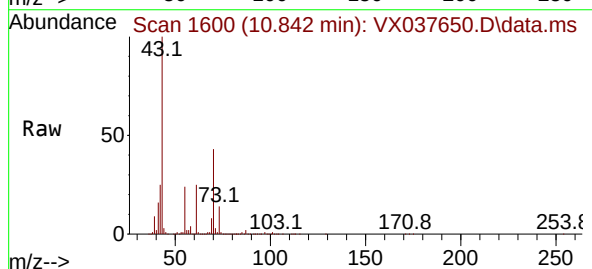
Manual Integrations
APPROVED

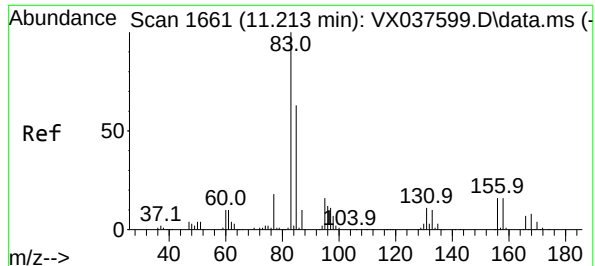
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#74
N-ethyl acetate
Concen: 148.047 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX037650.D
Acq: 11 Sep 2023 19:01

Tgt Ion: 43 Resp: 812747
Ion Ratio Lower Upper
43 100
70 44.2 32.9 49.3
55 24.2 19.3 28.9
61 25.2 18.8 28.2





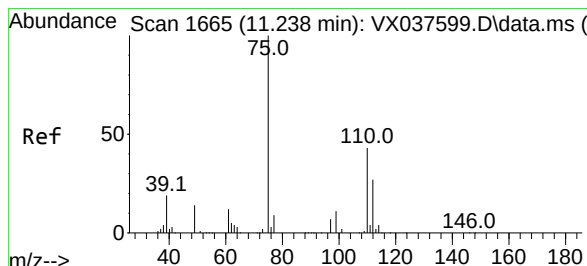
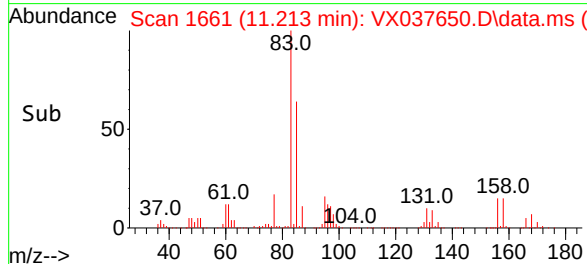
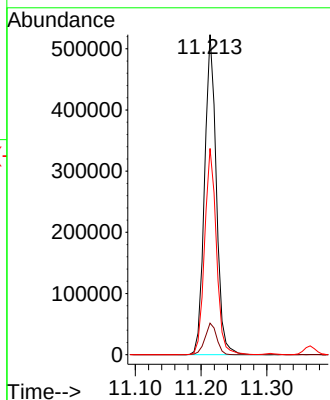
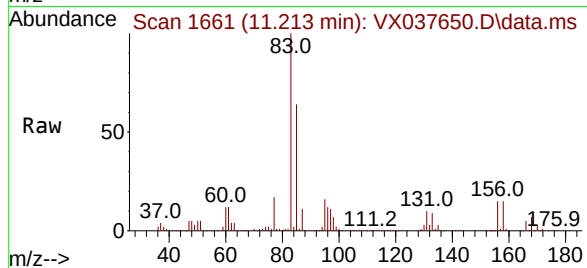
#75
1,1,2,2-Tetrachloroethane
Concen: 137.191 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX037650.D
Acq: 11 Sep 2023 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 649578
Ion Ratio Lower Upper
83 100
131 9.9 5.3 15.8
85 64.5 32.0 96.2

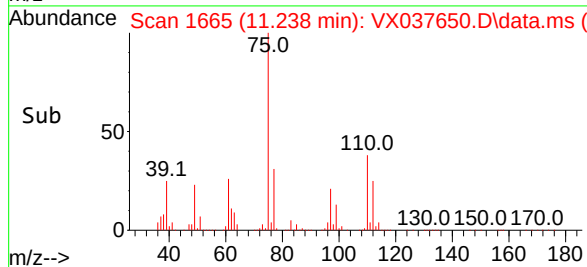
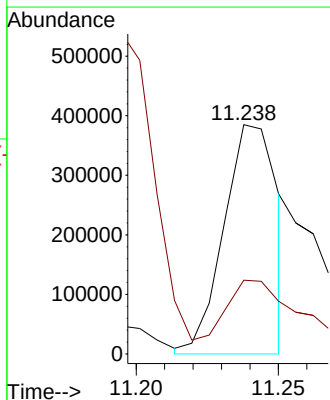
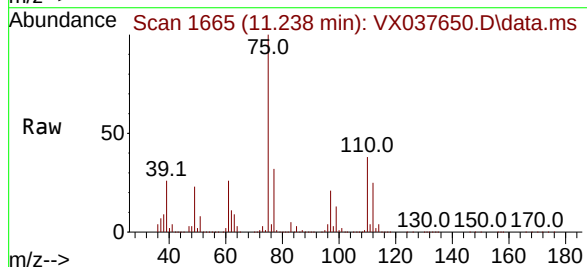
Manual Integrations
APPROVED

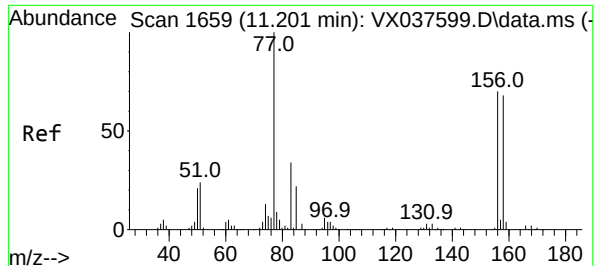
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#76
1,2,3-Trichloropropane
Concen: 136.470 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX037650.D
Acq: 11 Sep 2023 19:01

Tgt Ion: 75 Resp: 502769
Ion Ratio Lower Upper
75 100
77 46.3 19.1 57.5





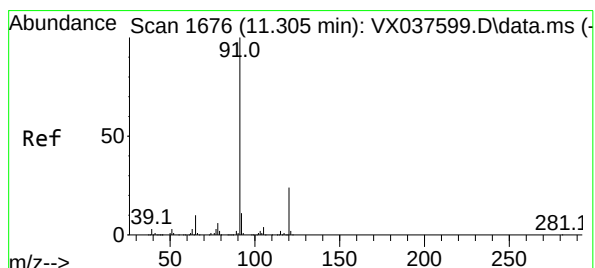
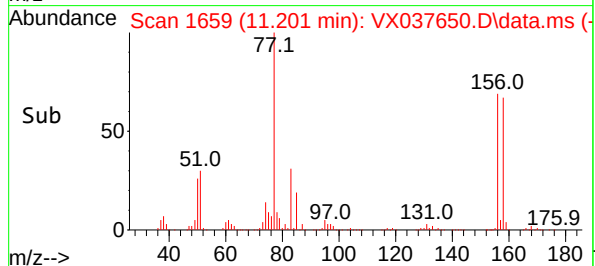
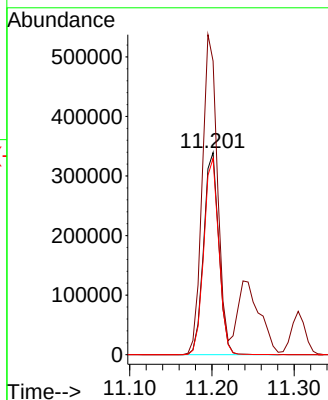
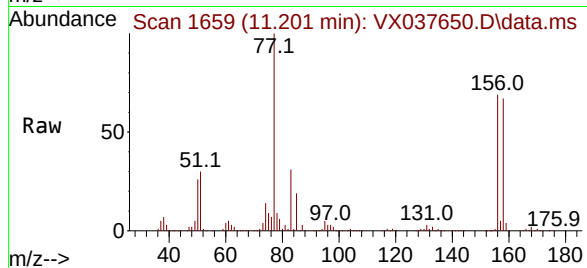
#77
Bromobenzene
Concen: 144.899 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. -0.000 min
Lab File: VX037650.D
Acq: 11 Sep 2023 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 43427
Ion Ratio Lower Upper
156 100
77 158.8 88.4 265.3
158 96.6 48.0 144.0

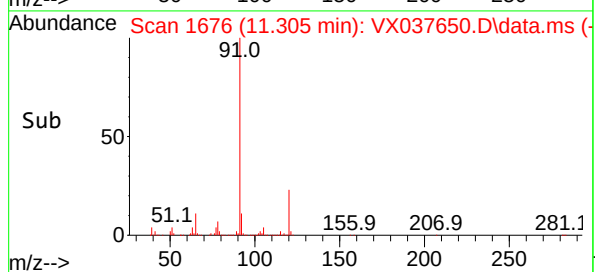
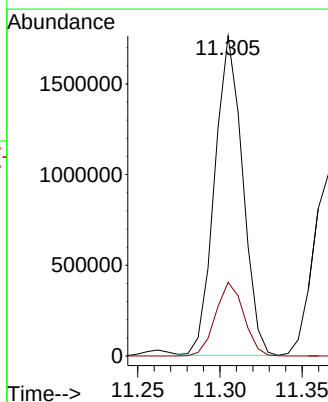
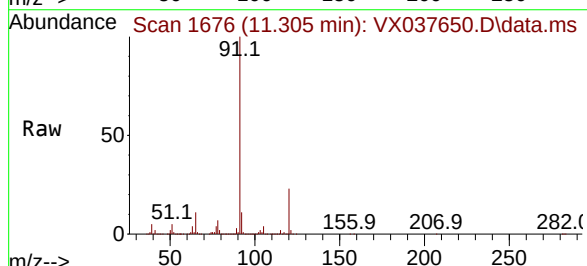
Manual Integrations
APPROVED

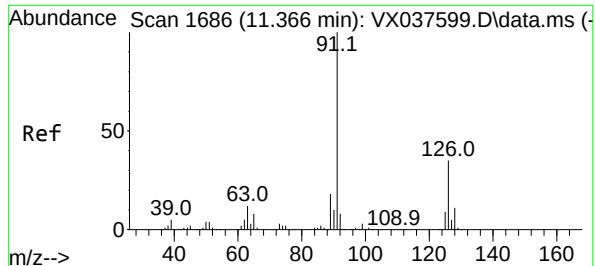
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#78
n-propylbenzene
Concen: 144.614 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX037650.D
Acq: 11 Sep 2023 19:01

Tgt Ion: 91 Resp: 2084361
Ion Ratio Lower Upper
91 100
120 23.3 11.5 34.4





#79

2-Chlorotoluene

Concen: 139.226 ug/l

RT: 11.366 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 91 Resp: 1234072

Ion Ratio Lower Upper

91 100

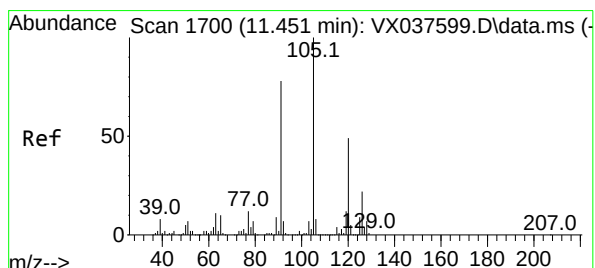
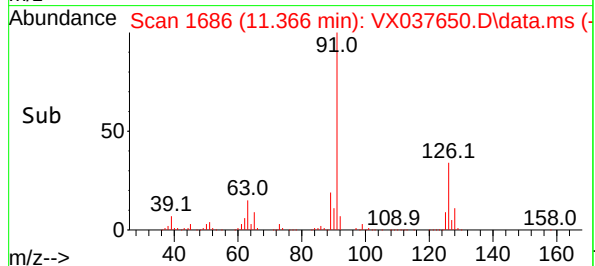
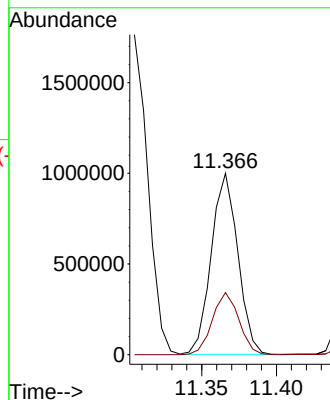
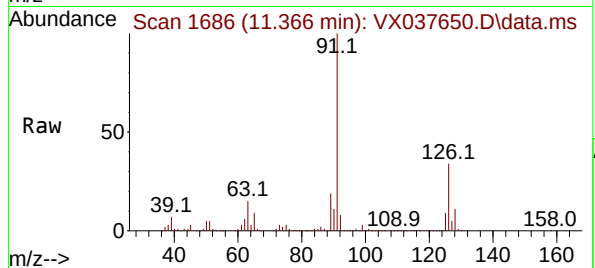
126 34.2 16.3 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#80

1,3,5-Trimethylbenzene

Concen: 145.542 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX037650.D

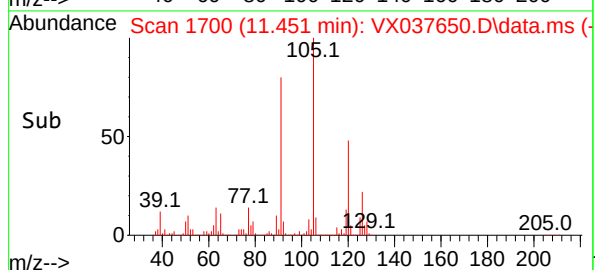
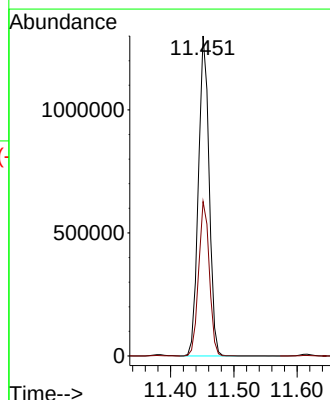
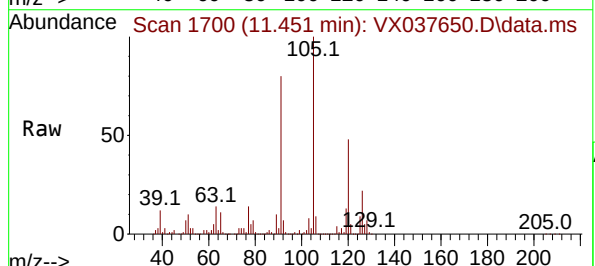
Acq: 11 Sep 2023 19:01

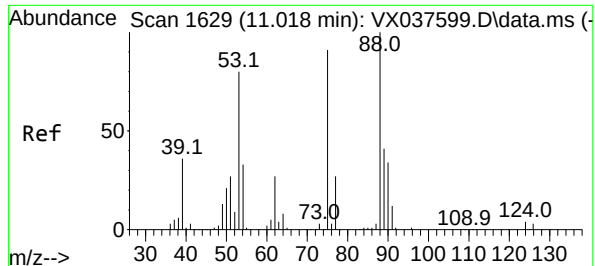
Tgt Ion:105 Resp: 1535367

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.3





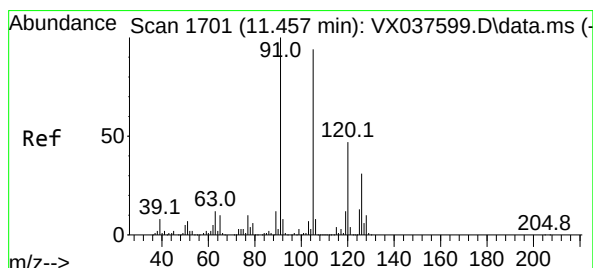
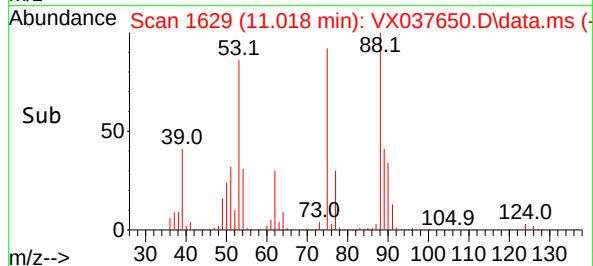
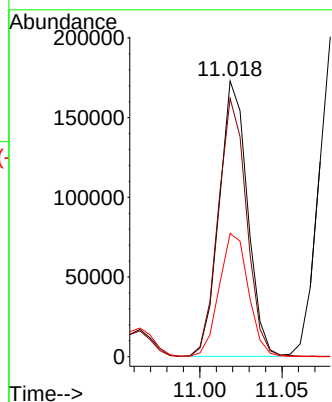
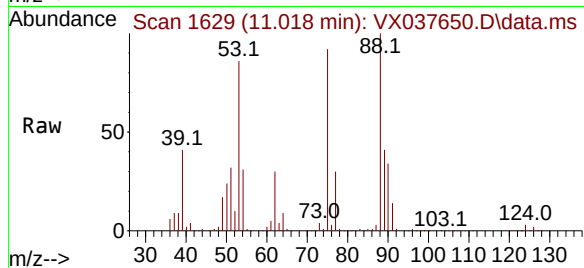
#81
trans-1,4-Dichloro-2-butene
Concen: 172.472 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX037650.D
Acq: 11 Sep 2023 19:01

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 20699
Ion Ratio Lower Upper
75 100
53 93.9 90.5 135.7
89 46.4 36.9 55.3

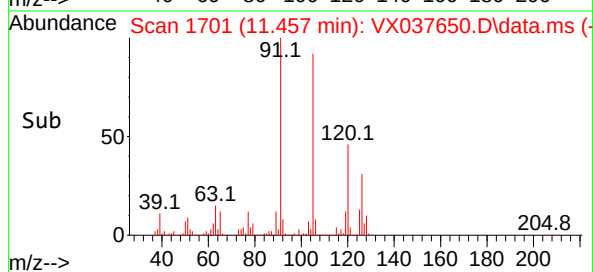
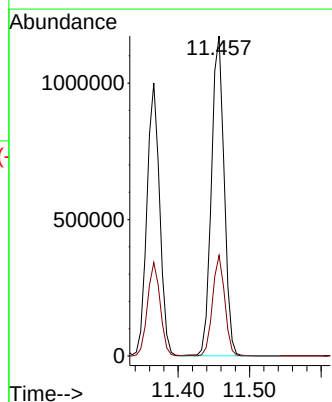
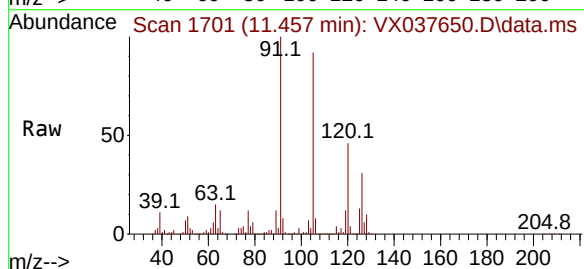
Manual Integrations
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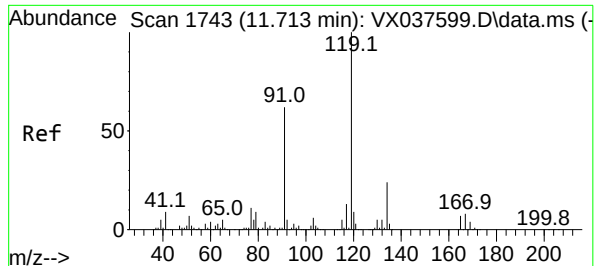
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#82
4-Chlorotoluene
Concen: 143.719 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VX037650.D
Acq: 11 Sep 2023 19:01

Tgt Ion: 91 Resp: 1449899
Ion Ratio Lower Upper
91 100
126 30.2 14.2 42.6





#83

tert-Butylbenzene

Concen: 147.373 ug/l

RT: 11.713 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion:119 Resp: 1550169

Ion Ratio Lower Upper

119 100

91 57.8 31.2 93.6

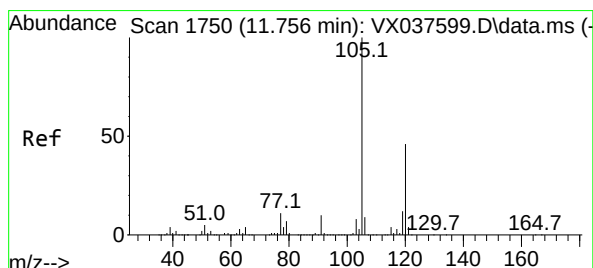
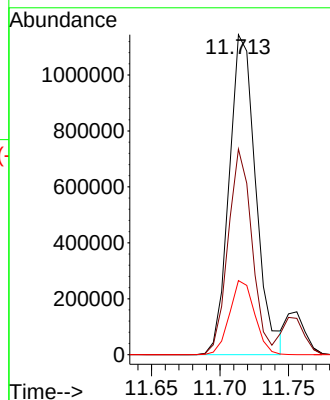
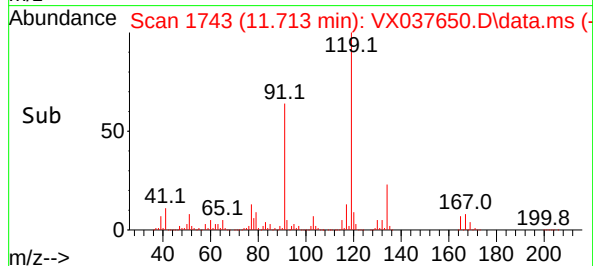
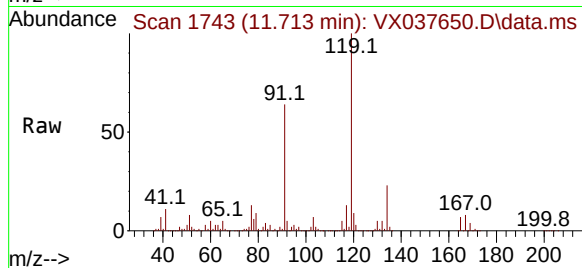
134 21.9 11.7 35.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#84

1,2,4-Trimethylbenzene

Concen: 143.673 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VX037650.D

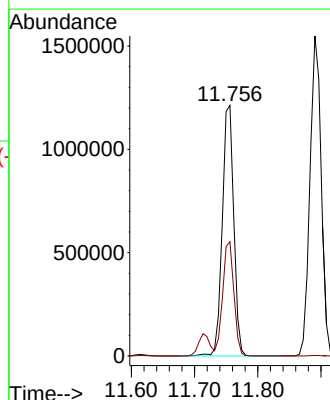
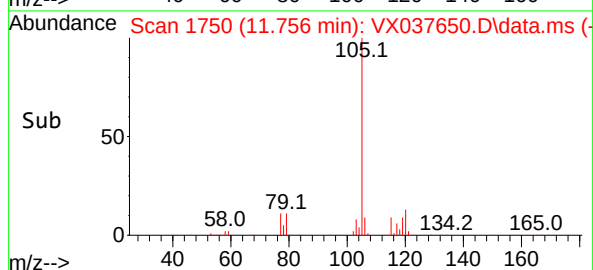
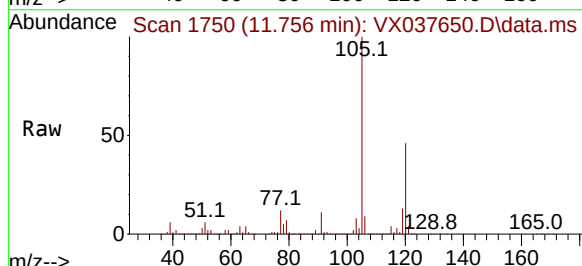
Acq: 11 Sep 2023 19:01

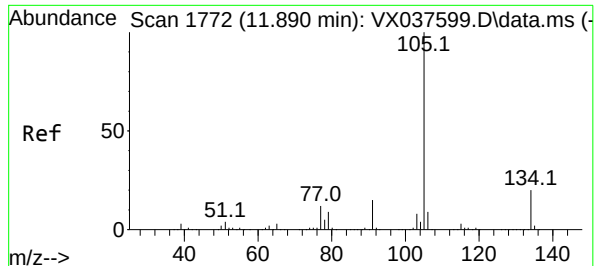
Tgt Ion:105 Resp: 1522255

Ion Ratio Lower Upper

105 100

120 44.3 21.2 63.6





#85

sec-Butylbenzene

Concen: 146.126 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion:105 Resp: 1905092

Ion Ratio Lower Upper

105 100

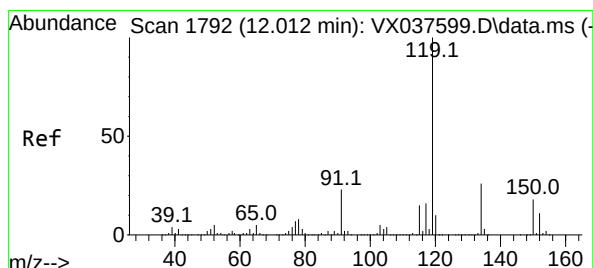
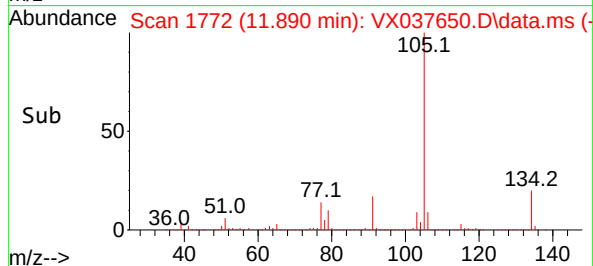
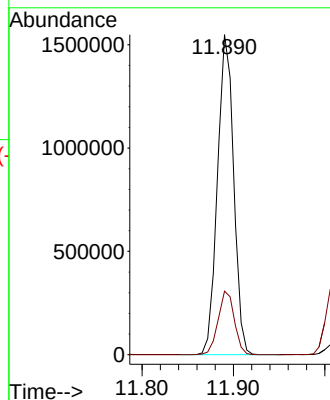
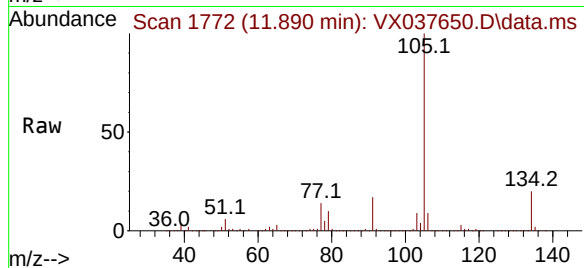
134 19.9 9.8 29.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#86

p-Isopropyltoluene

Concen: 150.312 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

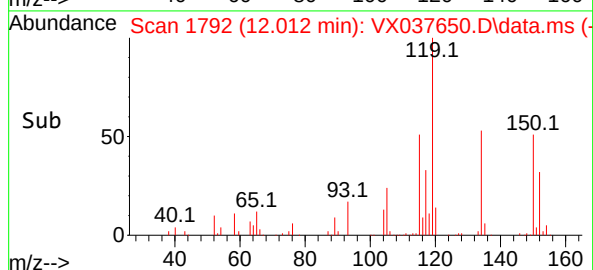
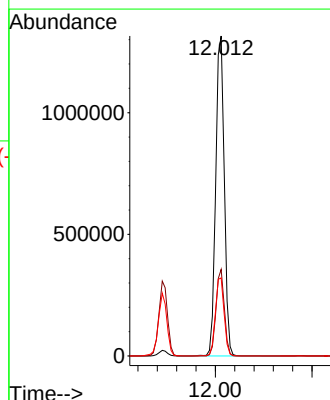
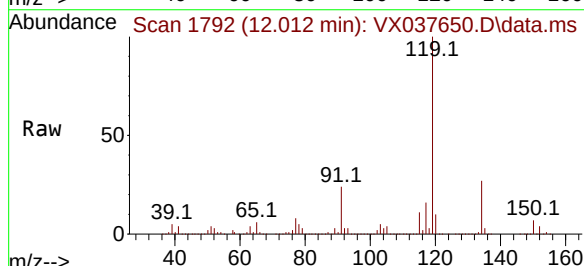
Tgt Ion:119 Resp: 1613746

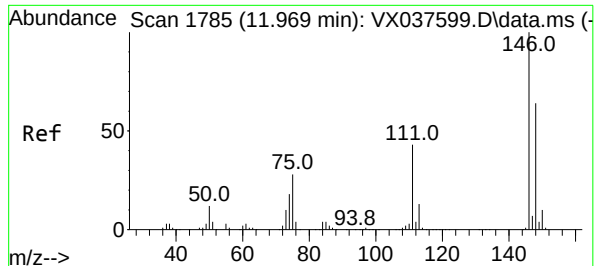
Ion Ratio Lower Upper

119 100

134 26.2 12.8 38.3

91 24.8 13.1 39.3





#87

1,3-Dichlorobenzene

Concen: 143.793 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion:146 Resp: 81881

Ion Ratio Lower Upper

146 100

111 41.8 22.1 66.1

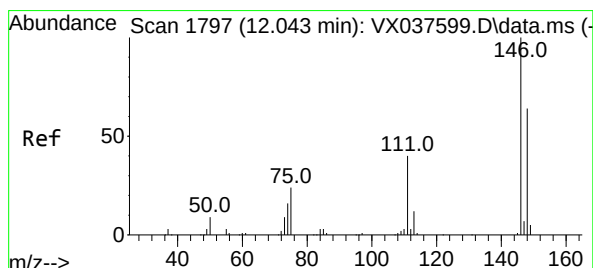
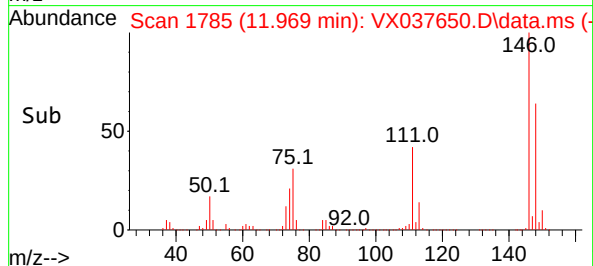
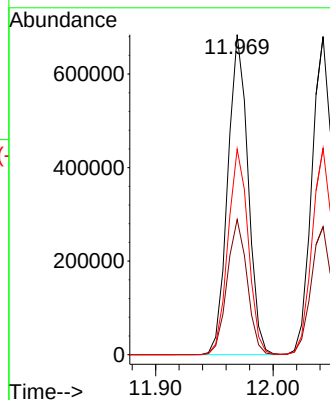
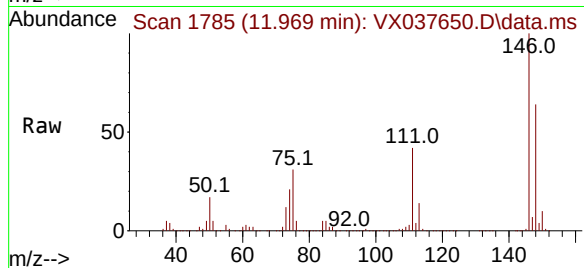
148 64.2 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#88

1,4-Dichlorobenzene

Concen: 143.186 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

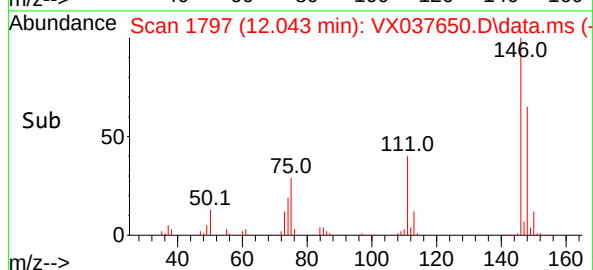
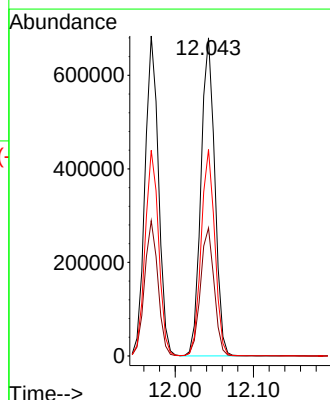
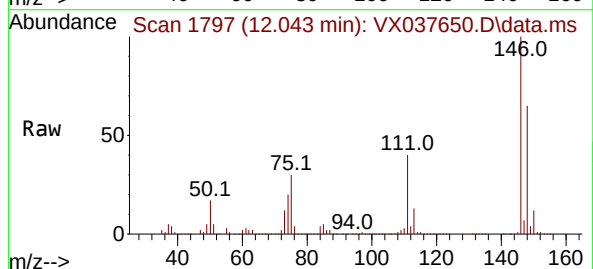
Tgt Ion:146 Resp: 834377

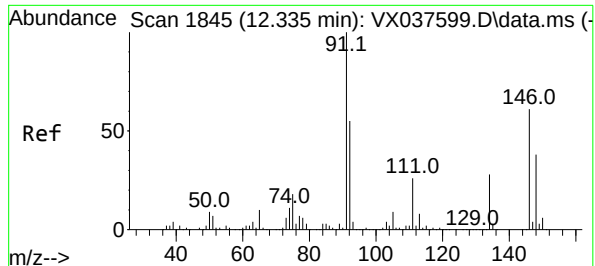
Ion Ratio Lower Upper

146 100

111 39.9 21.3 63.7

148 64.0 31.8 95.4





#89

n-Butylbenzene

Concen: 155.715 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 149653

Ion Ratio Lower Upper

91 100

92 52.8 27.4 82.0

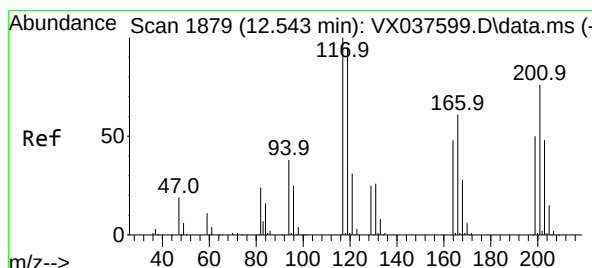
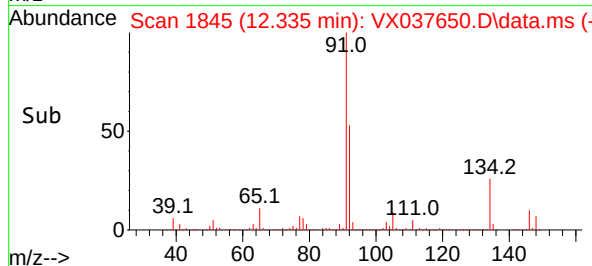
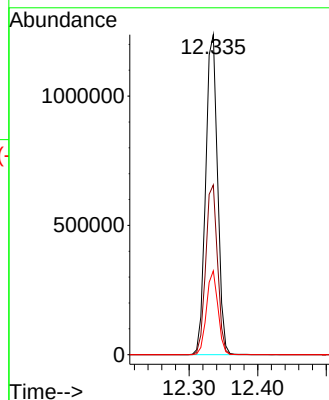
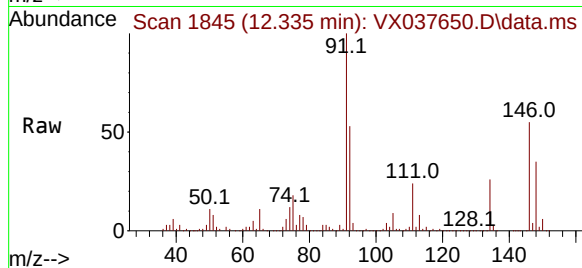
134 25.3 12.6 37.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#90

Hexachloroethane

Concen: 165.115 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.006 min

Lab File: VX037650.D

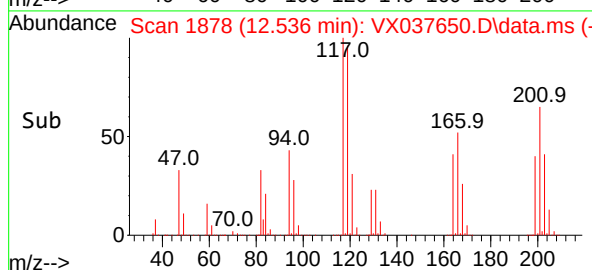
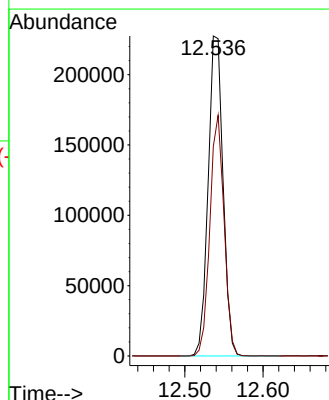
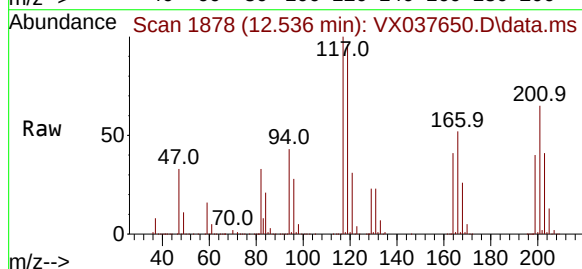
Acq: 11 Sep 2023 19:01

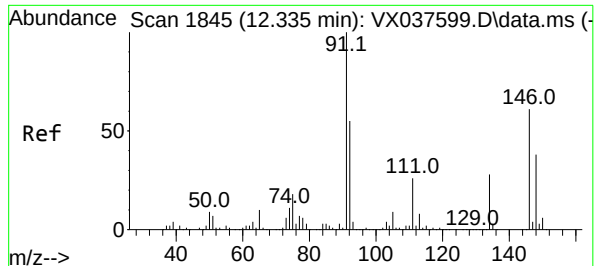
Tgt Ion:117 Resp: 299698

Ion Ratio Lower Upper

117 100

201 71.8 32.9 98.6





#91

1,2-Dichlorobenzene

Concen: 143.636 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 831729

Ion Ratio Lower Upper

146 100

111 42.8 22.4 67.0

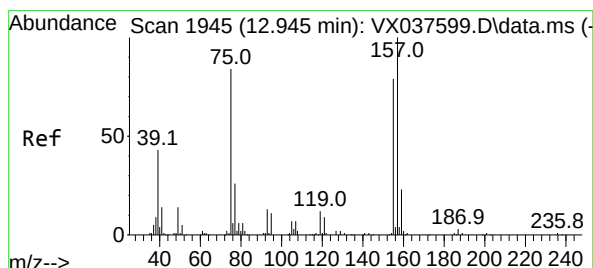
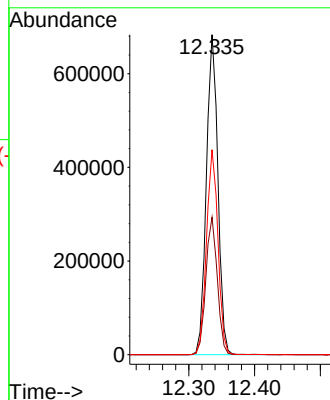
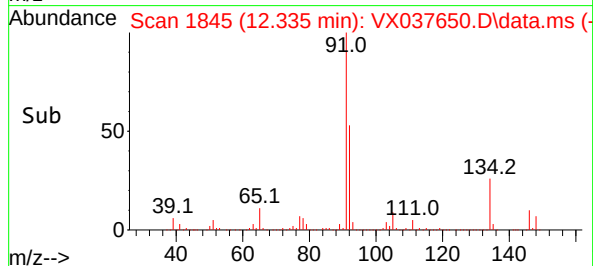
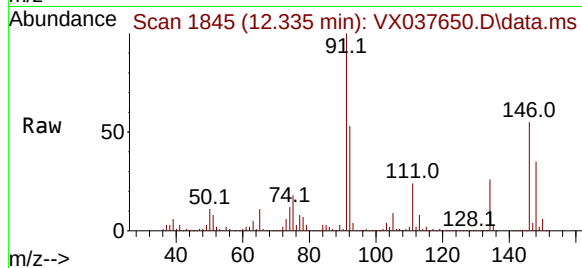
148 63.9 31.6 95.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#92

1,2-Dibromo-3-Chloropropane

Concen: 155.632 ug/l

RT: 12.945 min Scan# 1945

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

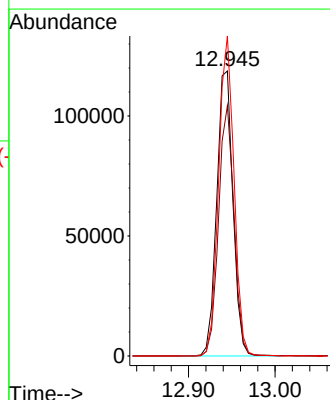
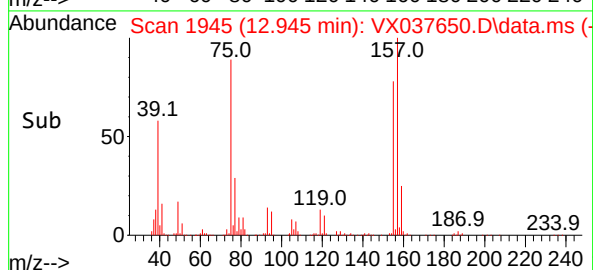
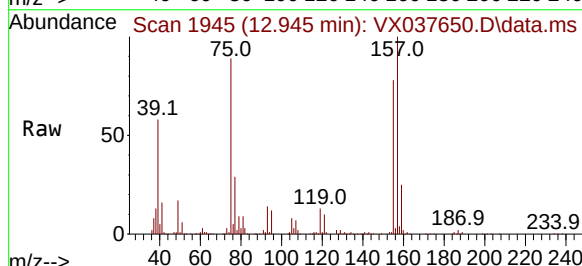
Tgt Ion: 75 Resp: 154766

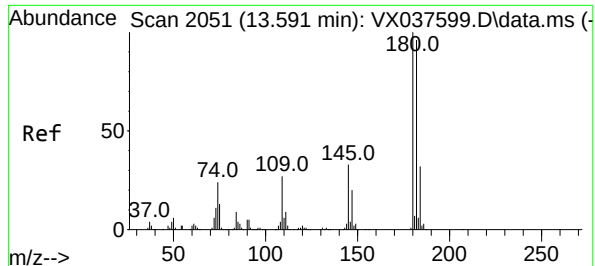
Ion Ratio Lower Upper

75 100

155 84.0 36.1 108.5

157 106.5 44.9 134.7





#93

1,2,4-Trichlorobenzene

Concen: 160.602 ug/l

RT: 13.585 min Scan# 2051

Delta R.T. -0.006 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion:180 Resp: 54015

Ion Ratio Lower Upper

180 100

182 95.1 48.3 144.8

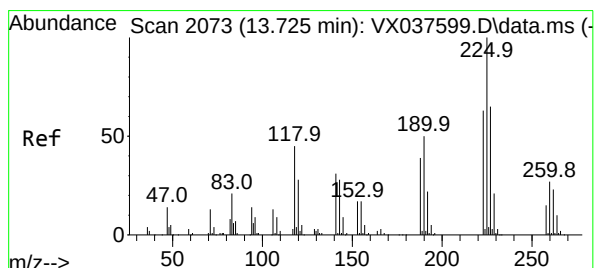
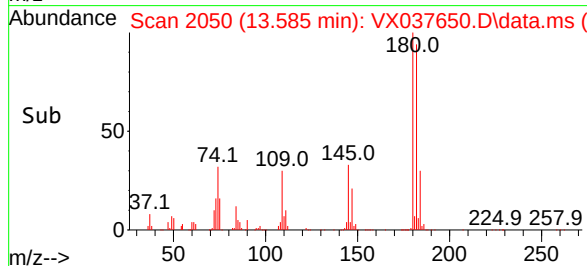
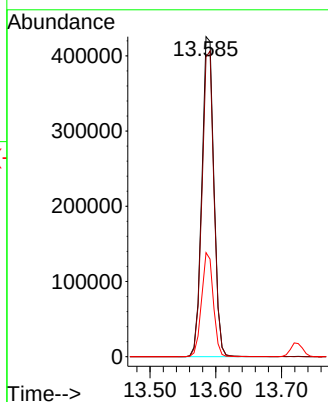
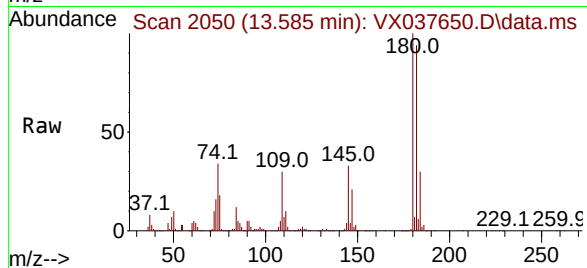
145 31.7 18.0 54.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#94

Hexachlorobutadiene

Concen: 153.406 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

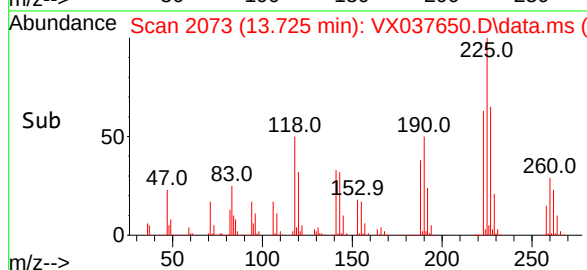
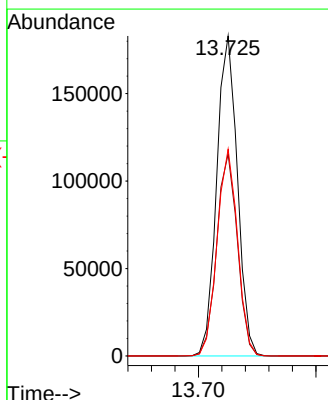
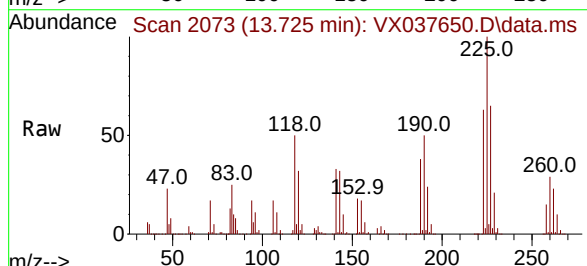
Tgt Ion:225 Resp: 223616

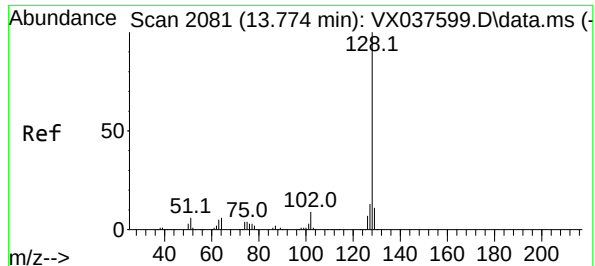
Ion Ratio Lower Upper

225 100

223 63.1 31.1 93.2

227 64.1 32.5 97.5





#95

Naphthalene

Concen: 156.869 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:128 Resp: 190983

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

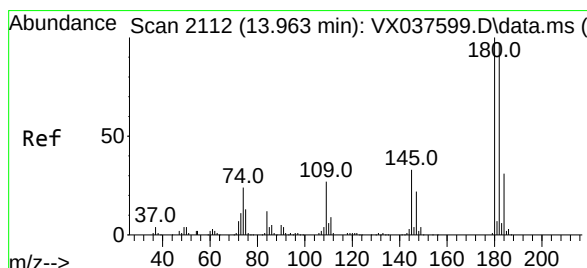
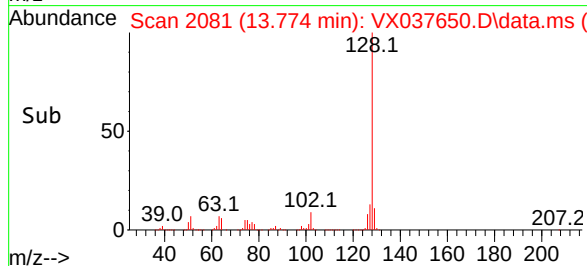
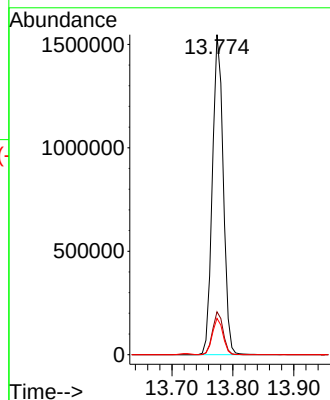
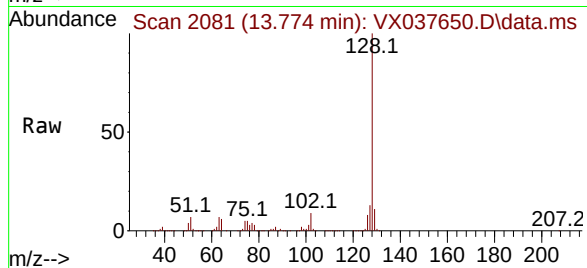
129 11.1 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#96

1,2,3-Trichlorobenzene

Concen: 154.994 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX037650.D

Acq: 11 Sep 2023 19:01

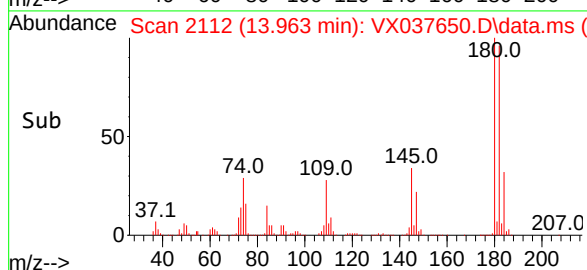
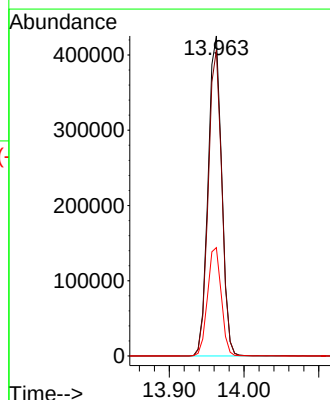
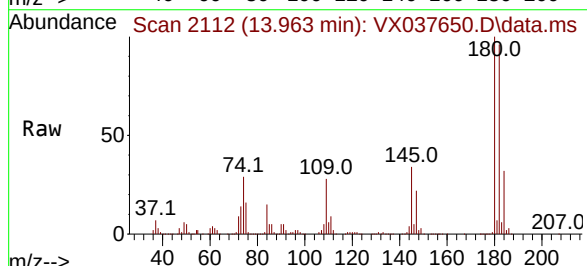
Tgt Ion:180 Resp: 537565

Ion Ratio Lower Upper

180 100

182 95.1 46.9 140.6

145 34.3 17.8 53.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091123\
 Data File : VX037652.D
 Acq On : 11 Sep 2023 20:14
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Sep 12 09:58:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 09:13:03 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 09/12/2023
 Supervised By :Mahesh Dadoda 09/12/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	159480	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	288570	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	267466	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	127001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	14738	5.712	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	11.420%#		
35) Dibromofluoromethane	5.385	113	10662	5.213	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.420%#		
50) Toluene-d8	8.647	98	40709	5.277	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.560%#		
62) 4-Bromofluorobenzene	11.079	95	13865	4.982	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	9.960%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	9192	5.391	ug/l	99
3) Chloromethane	1.301	50	10740	5.370	ug/l	97
4) Vinyl Chloride	1.374	62	11769	5.347	ug/l	97
5) Bromomethane	1.599	94	10423	5.561	ug/l	94
6) Chloroethane	1.679	64	7938m	5.304	ug/l	
7) Trichlorofluoromethane	1.880	101	20157	5.400	ug/l	98
8) Diethyl Ether	2.136	74	7648	5.070	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.325	101	8790	5.324	ug/l	96
10) Methyl Iodide	2.447	142	10021	5.106	ug/l	93
11) Tert butyl alcohol	2.965	59	20277	28.341	ug/l	97
12) 1,1-Dichloroethene	2.319	96	8513	5.249	ug/l	89
13) Acrolein	2.239	56	11827	28.054	ug/l	98
14) Allyl chloride	2.666	41	14718	5.099	ug/l	95
15) Acrylonitrile	3.069	53	31340	25.827	ug/l	98
16) Acetone	2.380	43	27634	25.907	ug/l #	86
17) Carbon Disulfide	2.508	76	21558	5.156	ug/l	95
18) Methyl Acetate	2.703	43	23162	5.181	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	34315	5.241	ug/l	98
20) Methylene Chloride	2.788	84	12588	5.059	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	9983	5.190	ug/l	93
22) Diisopropyl ether	3.764	45	32821	5.210	ug/l	96
23) Vinyl Acetate	3.727	43	115482	24.986	ug/l	99
24) 1,1-Dichloroethane	3.611	63	19651	5.332	ug/l	99
25) 2-Butanone	4.568	43	44092	25.745	ug/l	94
26) 2,2-Dichloropropane	4.483	77	12483	4.892	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	12215	5.311	ug/l	90
28) Bromochloromethane	4.898	49	10257	5.488	ug/l	94
29) Tetrahydrofuran	5.013	42	28047	25.390	ug/l	91
30) Chloroform	5.093	83	20413	5.109	ug/l	97
31) Cyclohexane	5.471	56	16139	5.432	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	16671	4.967	ug/l	99
36) 1,1-Dichloropropene	5.696	75	13913	4.933	ug/l	96
37) Ethyl Acetate	4.721	43	16705	5.135	ug/l #	95
38) Carbon Tetrachloride	5.678	117	13854	4.918	ug/l	89
39) Methylcyclohexane	7.385	83	16505	4.975	ug/l	96
40) Benzene	6.038	78	44374	5.174	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091123\
 Data File : VX037652.D
 Acq On : 11 Sep 2023 20:14
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023

Quant Time: Sep 12 09:58:23 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M

Quant Title : SW846 8260

QLast Update : Tue Sep 12 09:13:03 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	8311	4.809	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	17468	5.256	ug/l	99
43) Isopropyl Acetate	6.348	43	25192	4.899	ug/l	99
44) Trichloroethene	7.129	130	10442	4.988	ug/l	95
45) 1,2-Dichloropropane	7.434	63	11697	5.197	ug/l	93
46) Dibromomethane	7.586	93	8320	5.067	ug/l	98
47) Bromodichloromethane	7.824	83	13926	4.732	ug/l #	96
48) Methyl methacrylate	7.696	41	11822	4.707	ug/l #	83
49) 1,4-Dioxane	7.665	88	5875	93.918	ug/l #	91
51) 4-Methyl-2-Pentanone	8.574	43	87265	25.738	ug/l	99
52) Toluene	8.720	92	27653	5.095	ug/l	93
53) t-1,3-Dichloropropene	8.982	75	13194	4.436	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	15064	4.644	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	11453	4.908	ug/l #	95
56) Ethyl methacrylate	9.116	69	16928	4.827	ug/l	93
57) 1,3-Dichloropropane	9.311	76	19644	5.057	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	43808	25.882	ug/l	99
59) 2-Hexanone	9.433	43	64847	24.935	ug/l	97
60) Dibromochloromethane	9.525	129	10216	4.510	ug/l	95
61) 1,2-Dibromoethane	9.610	107	12064	4.903	ug/l	98
64) Tetrachloroethene	9.275	164	8923	5.208	ug/l	92
65) Chlorobenzene	10.080	112	29879	5.182	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	9476	4.709	ug/l	95
67) Ethyl Benzene	10.195	91	51924	5.064	ug/l	97
68) m/p-Xylenes	10.299	106	38779	9.925	ug/l	97
69) o-Xylene	10.640	106	19295	4.980	ug/l	95
70) Styrene	10.659	104	31044	4.857	ug/l	96
71) Bromoform	10.799	173	6338	4.120	ug/l #	97
73) Isopropylbenzene	10.964	105	51477	5.386	ug/l	99
74) N-amyl acetate	10.842	43	20588	4.880	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	19278	5.320	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	15069m	5.249	ug/l	
77) Bromobenzene	11.201	156	11537	5.030	ug/l	97
78) n-propylbenzene	11.305	91	56268	5.101	ug/l	100
79) 2-Chlorotoluene	11.366	91	35801	5.277	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	41310	5.117	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	3465	3.772	ug/l #	79
82) 4-Chlorotoluene	11.457	91	39840	5.160	ug/l	97
83) tert-Butylbenzene	11.713	119	40764	5.064	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	42364	5.224	ug/l	100
85) sec-Butylbenzene	11.890	105	50984	5.110	ug/l	100
86) p-Isopropyltoluene	12.012	119	40700	4.953	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	22834	5.239	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	22971	5.177	ug/l	94
89) n-Butylbenzene	12.335	91	36181	4.919	ug/l	94
90) Hexachloroethane	12.536	117	6353	4.573	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	22537	5.085	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	3553	4.668	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	12397	4.816	ug/l	97
94) Hexachlorobutadiene	13.725	225	5465	4.899	ug/l	95
95) Naphthalene	13.774	128	44203	4.744	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	13247	4.991	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091123\
Data File : VX037652.D
Acq On : 11 Sep 2023 20:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Sep 12 09:58:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 09:13:03 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

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

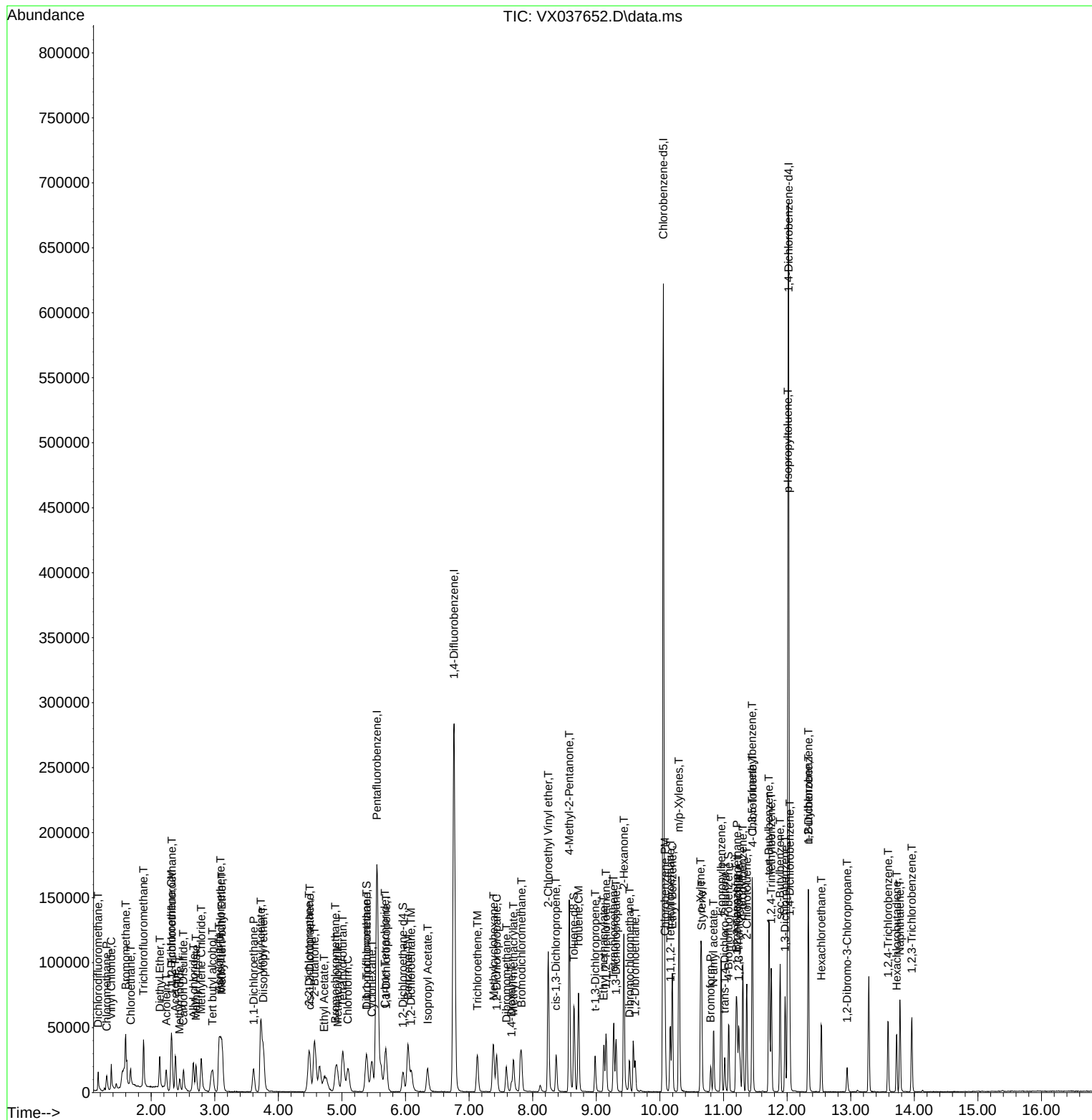
(#) = qualifier out of range (m) = manual integration (+) = signals summed

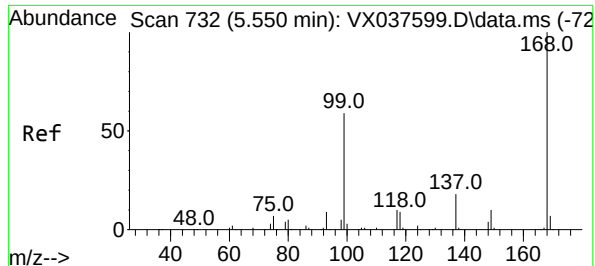
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Sep 12 09:58:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 09:13:03 2023
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023





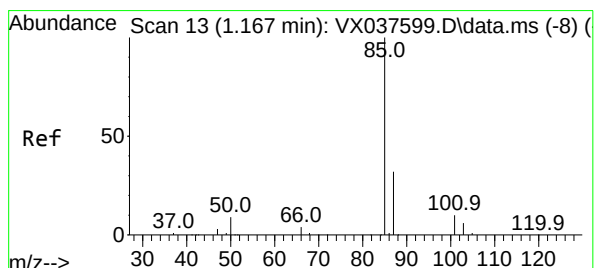
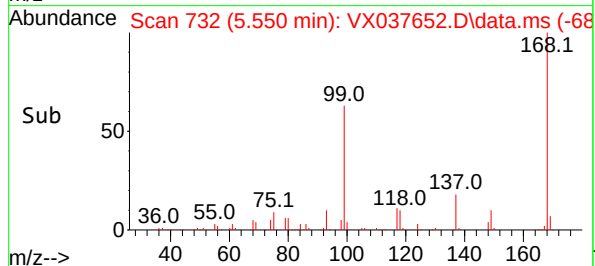
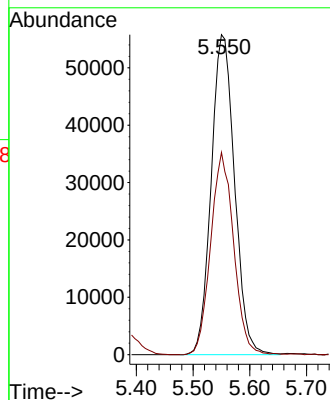
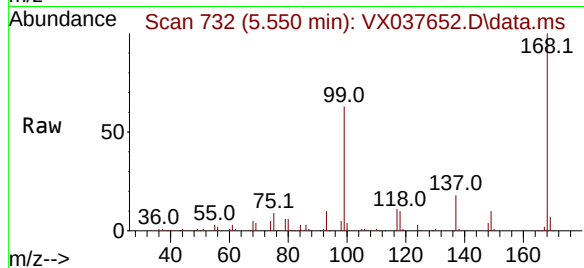
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037652.D
Acq: 11 Sep 2023 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 159480
Ion Ratio Lower Upper
168 100
99 63.2 56.6 85.0

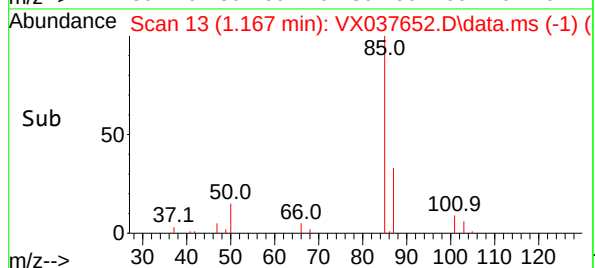
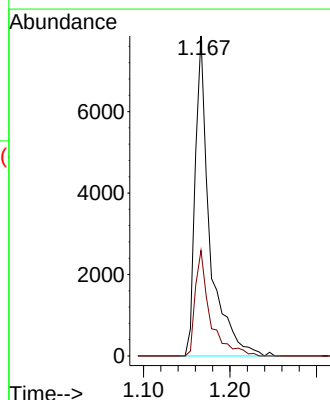
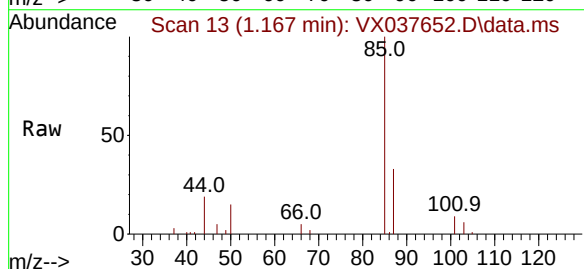
Manual Integrations
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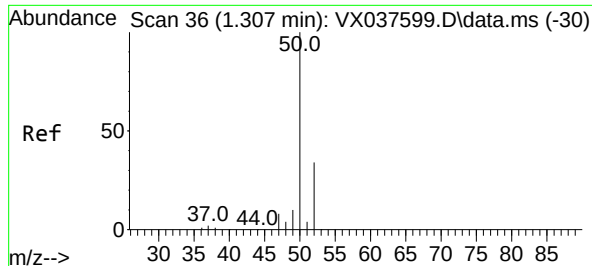
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#2
Dichlorodifluoromethane
Concen: 5.391 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX037652.D
Acq: 11 Sep 2023 20:14

Tgt Ion: 85 Resp: 9192
Ion Ratio Lower Upper
85 100
87 33.0 16.7 50.1





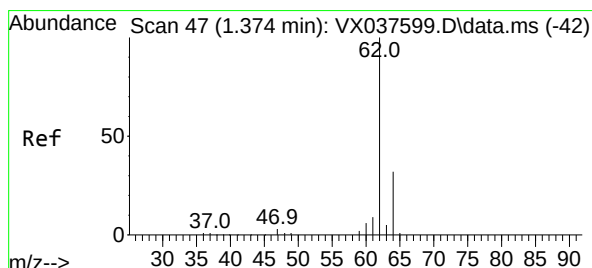
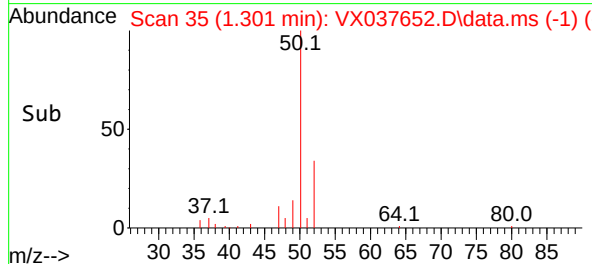
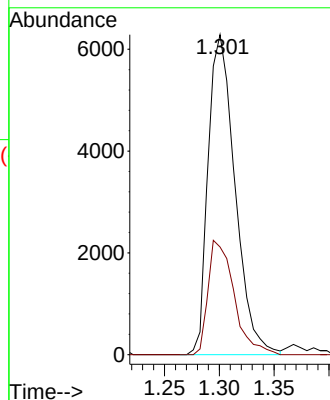
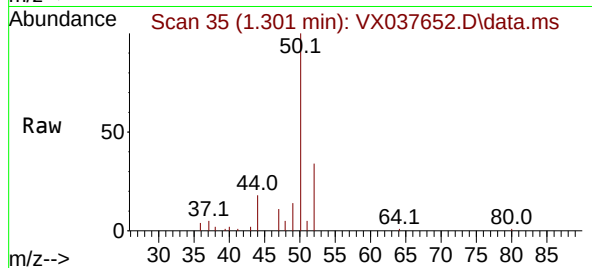
#3
Chloromethane
Concen: 5.370 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.006 min
Lab File: VX037652.D
Acq: 11 Sep 2023 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 50 Resp: 10740
Ion Ratio Lower Upper
50 100
52 33.7 25.5 38.3

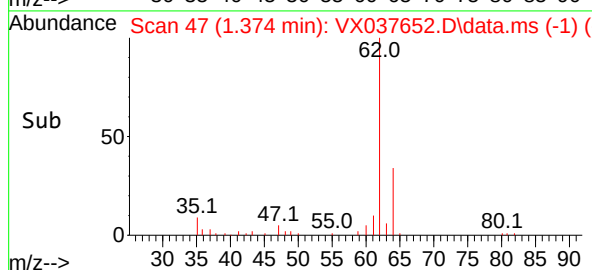
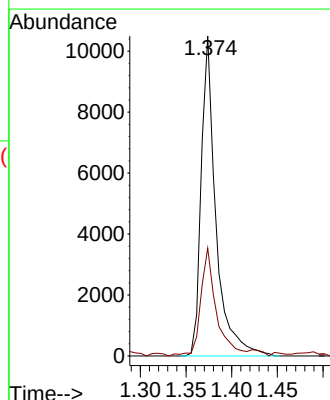
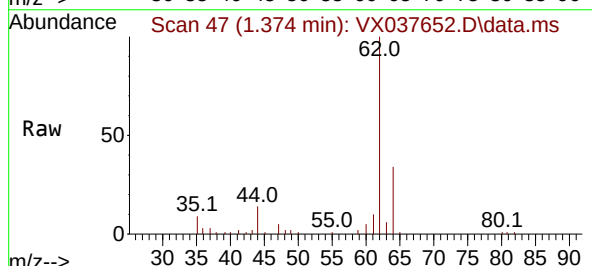
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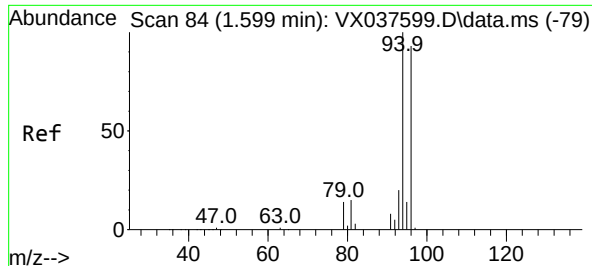
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#4
Vinyl Chloride
Concen: 5.347 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX037652.D
Acq: 11 Sep 2023 20:14

Tgt Ion: 62 Resp: 11769
Ion Ratio Lower Upper
62 100
64 33.2 25.4 38.0





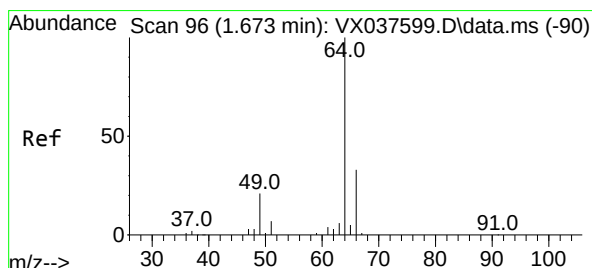
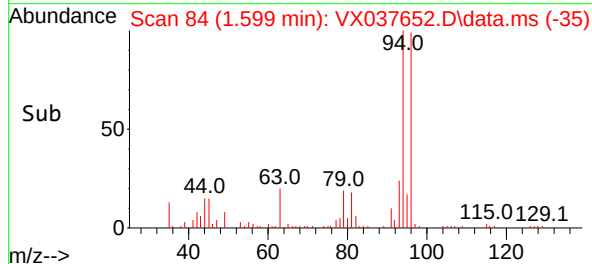
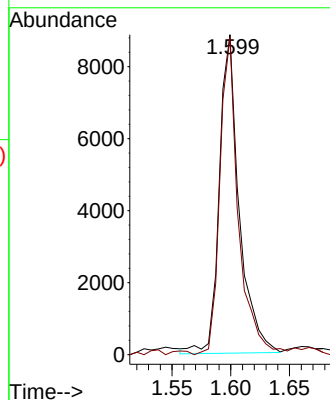
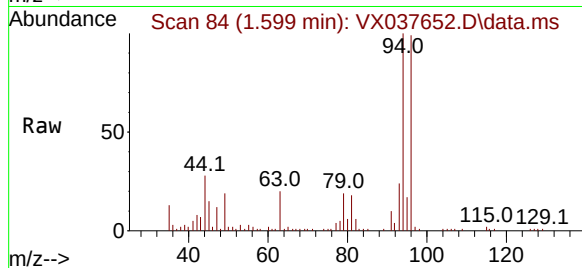
#5
Bromomethane
Concen: 5.561 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX037652.D
Acq: 11 Sep 2023 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 1042
Ion Ratio Lower Upper
94 100
96 98.8 74.6 111.8

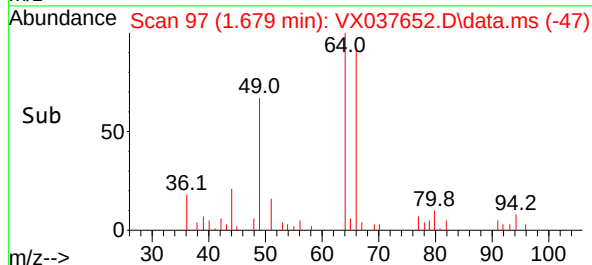
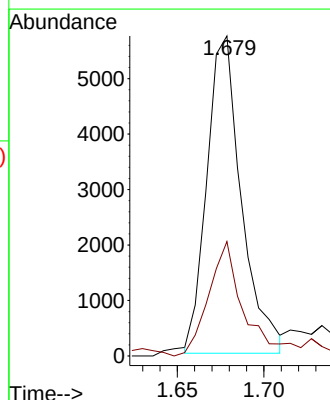
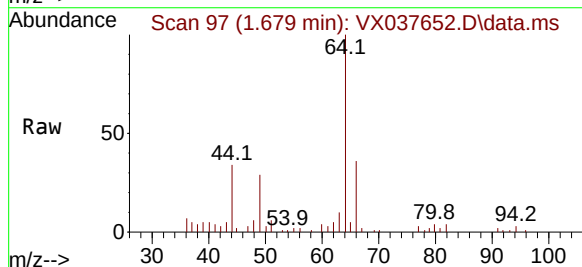
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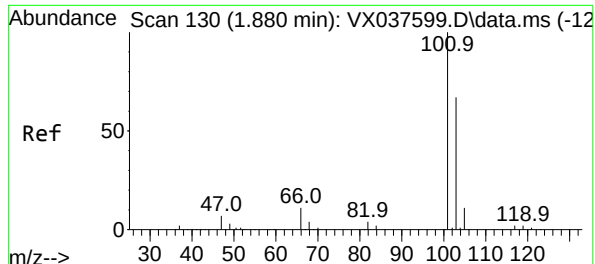
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#6
Chloroethane
Concen: 5.304 ug/l m
RT: 1.679 min Scan# 97
Delta R.T. 0.006 min
Lab File: VX037652.D
Acq: 11 Sep 2023 20:14

Tgt Ion: 64 Resp: 7938
Ion Ratio Lower Upper
64 100
66 35.8 25.1 37.7





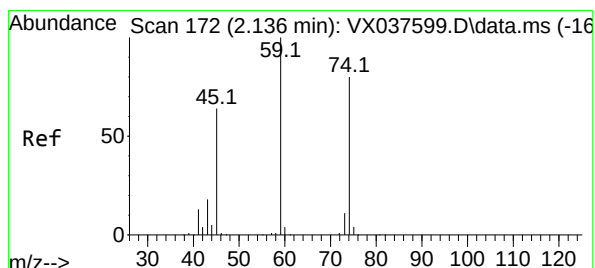
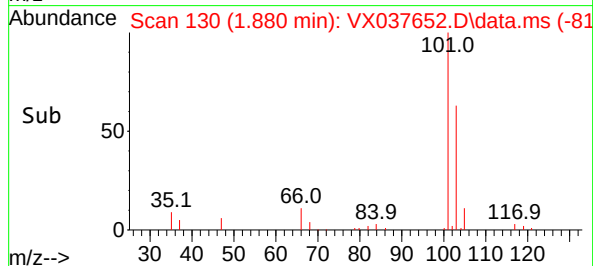
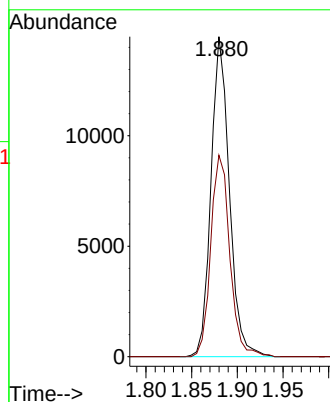
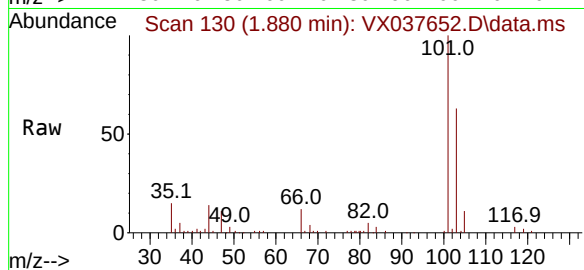
#7
Trichlorofluoromethane
Concen: 5.400 ug/l
RT: 1.880 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037652.D
Acq: 11 Sep 2023 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 2015
Ion Ratio Lower Upper
101 100
103 62.9 51.4 77.2

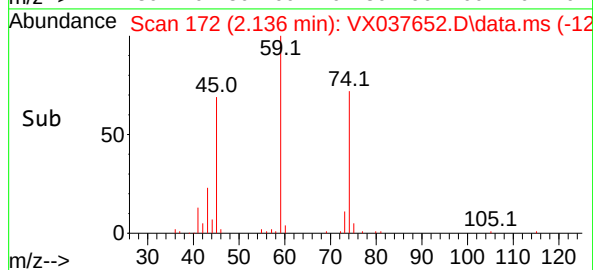
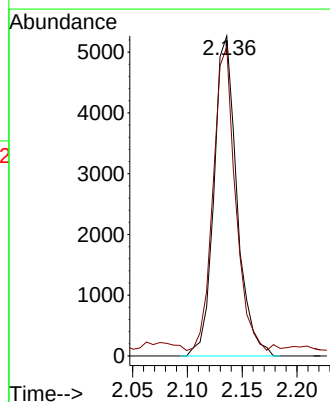
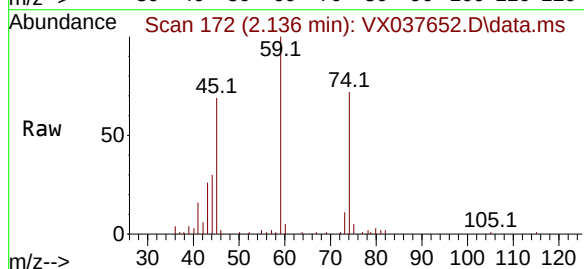
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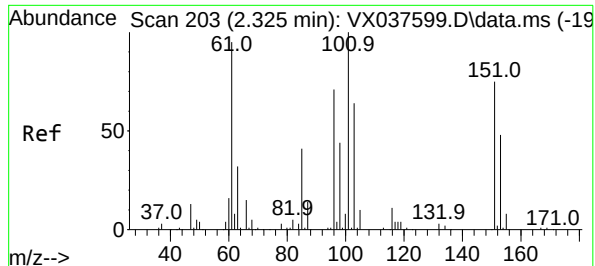
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#8
Diethyl Ether
Concen: 5.070 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX037652.D
Acq: 11 Sep 2023 20:14

Tgt Ion: 74 Resp: 7648
Ion Ratio Lower Upper
74 100
45 92.8 53.3 159.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.324 ug/l

RT: 2.325 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

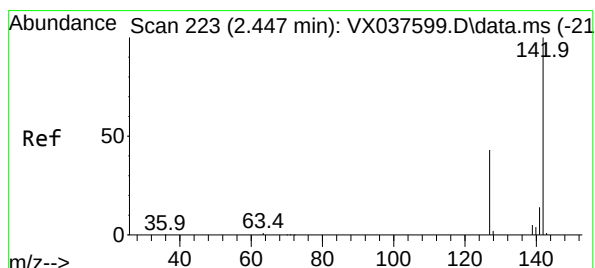
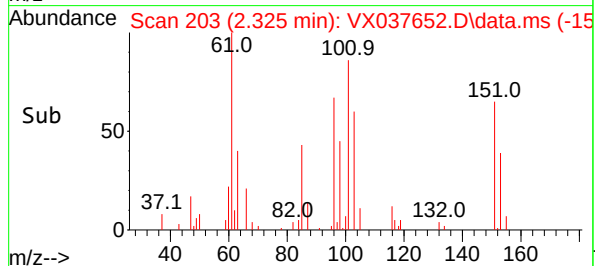
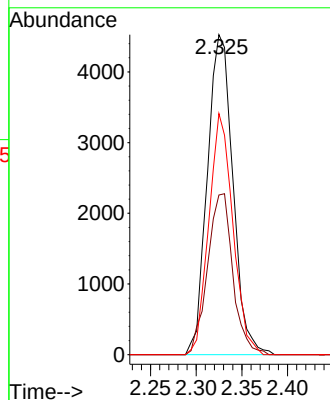
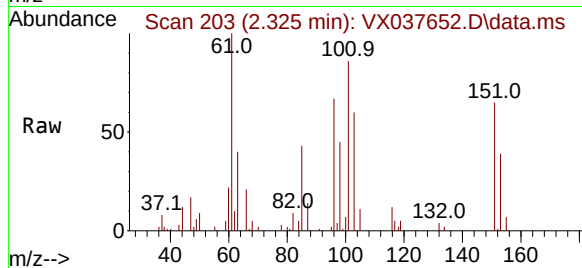
Tgt Ion:	101	Resp:	8790
Ion	Ratio	Lower	Upper
101	100		
85	49.8	37.0	55.6
151	70.9	58.6	87.8

Manual Integrations

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Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#10

Methyl Iodide

Concen: 5.106 ug/l

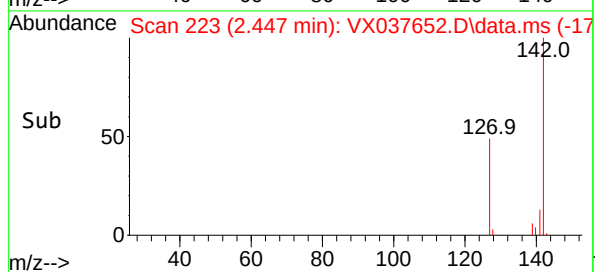
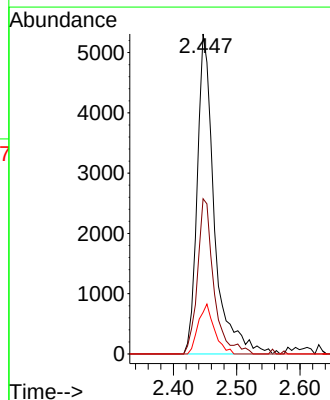
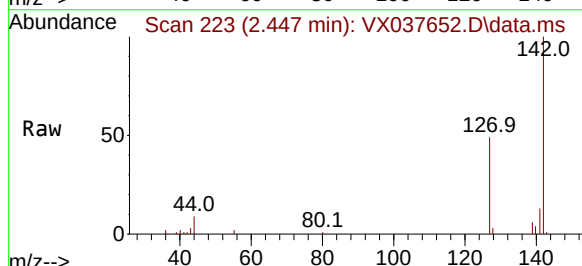
RT: 2.447 min Scan# 223

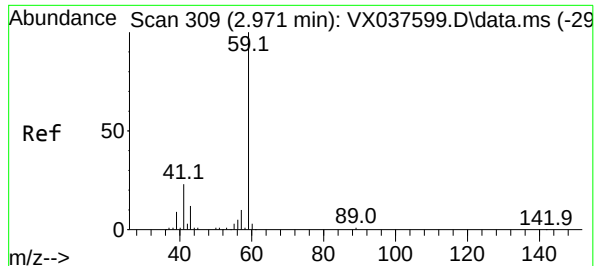
Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Tgt Ion:	142	Resp:	10021
Ion	Ratio	Lower	Upper
142	100		
127	46.2	41.6	62.4
141	14.6	11.6	17.4





#11

Tert butyl alcohol

Concen: 28.341 ug/l

RT: 2.965 min Scan# 309

Delta R.T. -0.006 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 2027

Ion Ratio Lower Upper

59 100

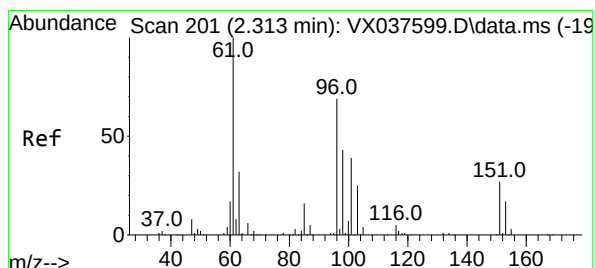
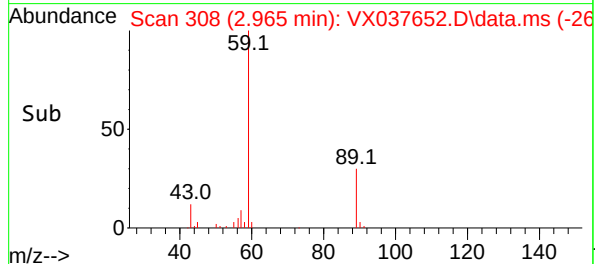
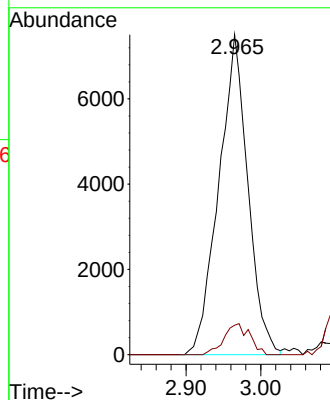
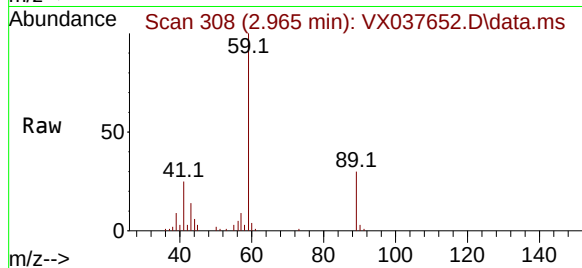
57 8.6 6.0 9.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#12

1,1-Dichloroethene

Concen: 5.249 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

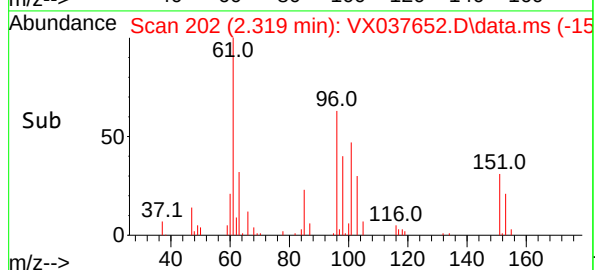
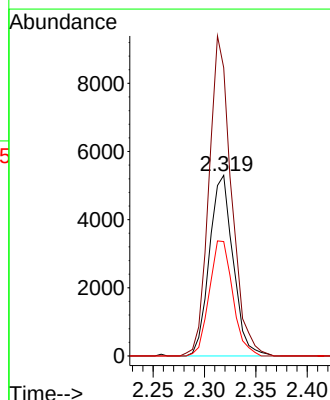
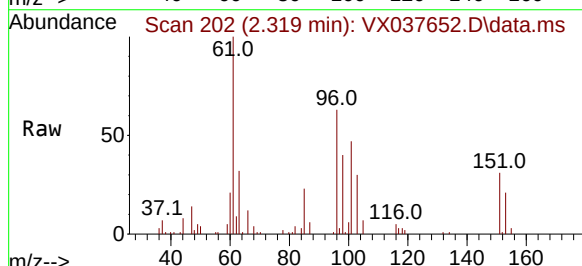
Tgt Ion: 96 Resp: 8513

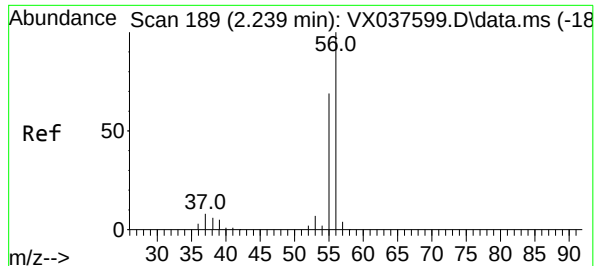
Ion Ratio Lower Upper

96 100

61 159.5 144.6 216.8

98 63.3 50.4 75.6





#13

Acrolein

Concen: 28.054 ug/l

RT: 2.239 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 56 Resp: 1182

Ion Ratio Lower Upper

56 100

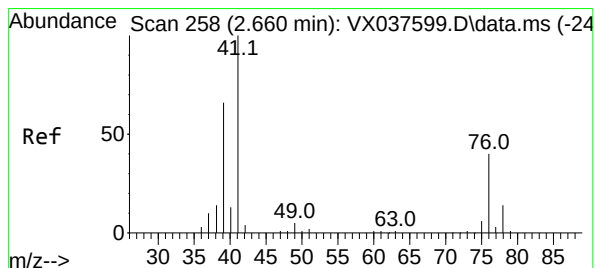
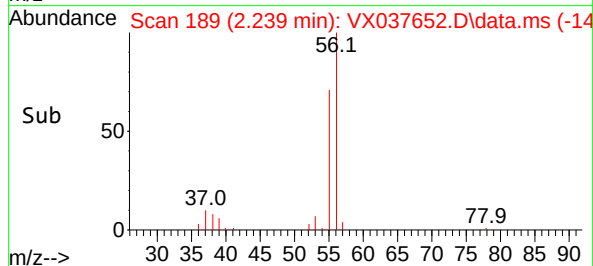
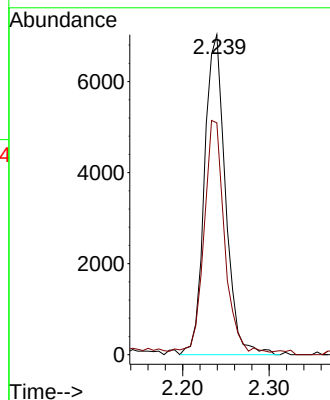
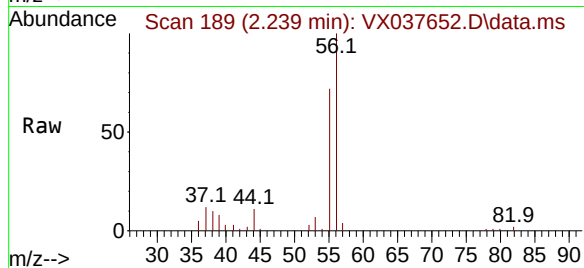
55 69.9 57.1 85.7

Manual Integrations

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Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#14

Allyl chloride

Concen: 5.099 ug/l

RT: 2.666 min Scan# 259

Delta R.T. 0.006 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

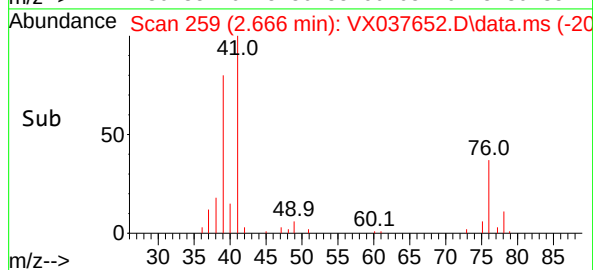
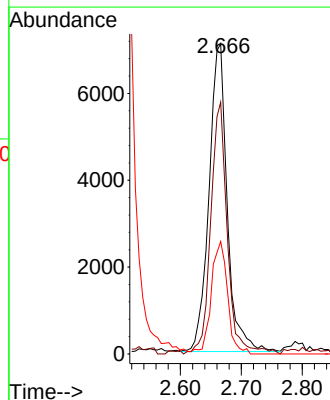
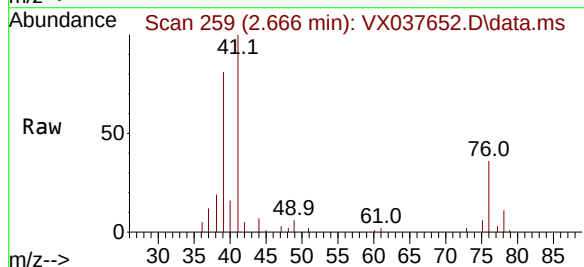
Tgt Ion: 41 Resp: 14718

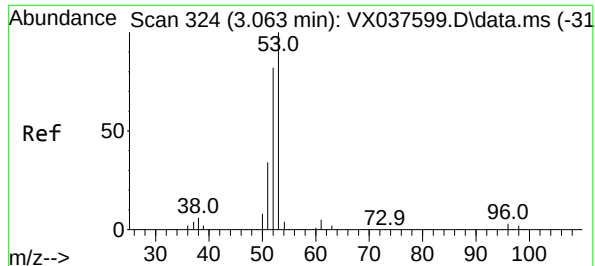
Ion Ratio Lower Upper

41 100

39 74.4 55.8 83.6

76 32.7 24.3 36.5





#15

Acrylonitrile

Concen: 25.827 ug/l

RT: 3.069 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

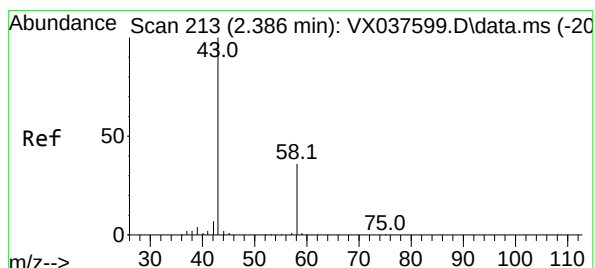
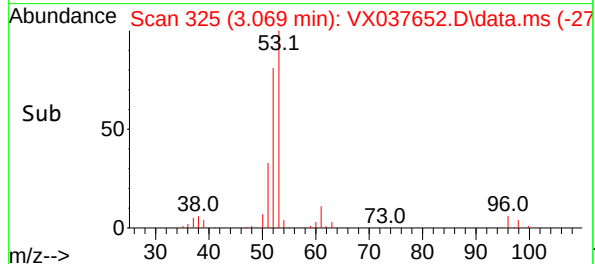
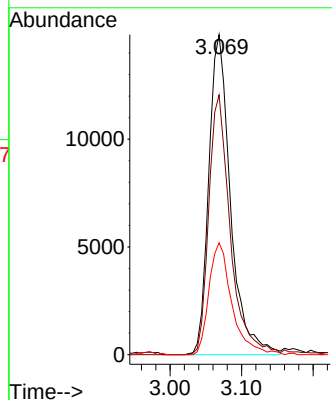
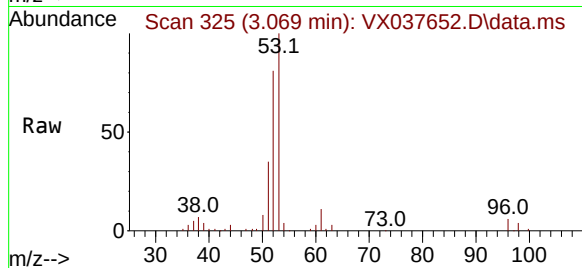
VSTDIC005

Tgt Ion: 53	Resp: 31340
Ion Ratio	Lower Upper
53 100	
52 80.1	66.0 99.0
51 36.9	29.8 44.6

Manual Integrations
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Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#16

Acetone

Concen: 25.907 ug/l

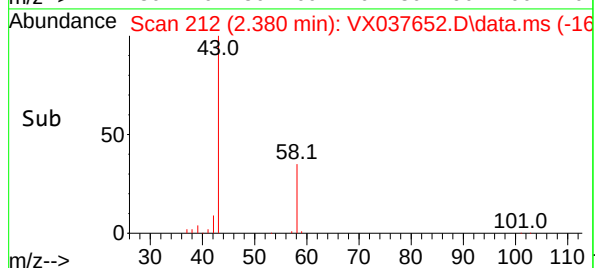
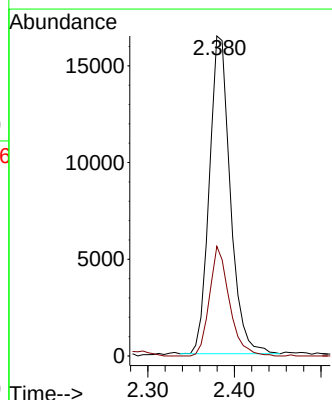
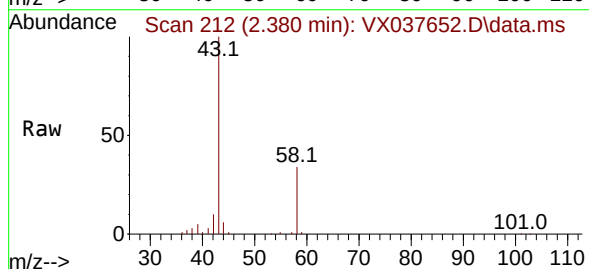
RT: 2.380 min Scan# 212

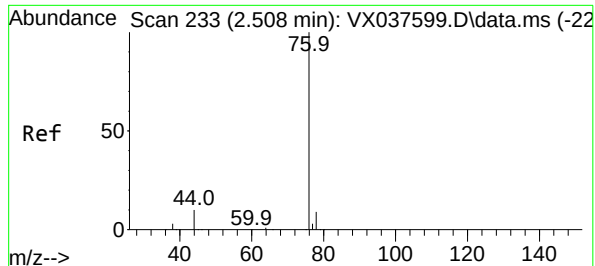
Delta R.T. -0.006 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Tgt Ion: 43	Resp: 27634
Ion Ratio	Lower Upper
43 100	
58 34.5	21.9 32.9





#17

Carbon Disulfide

Concen: 5.156 ug/l

RT: 2.508 min Scan# 21558

Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 21558

Ion Ratio Lower Upper

76 100

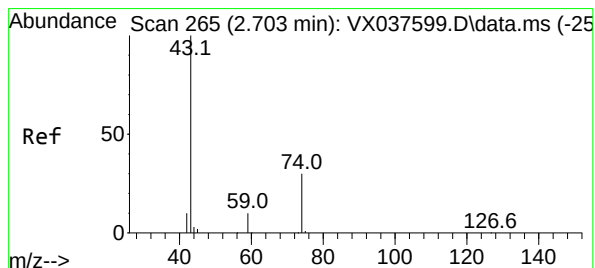
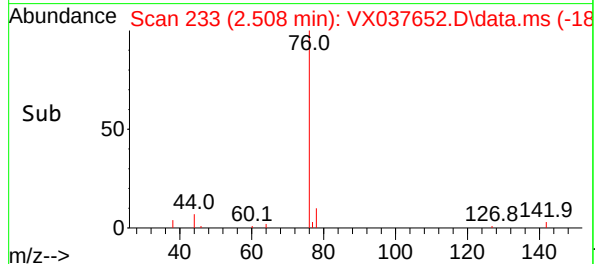
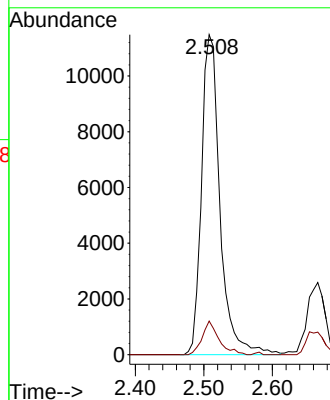
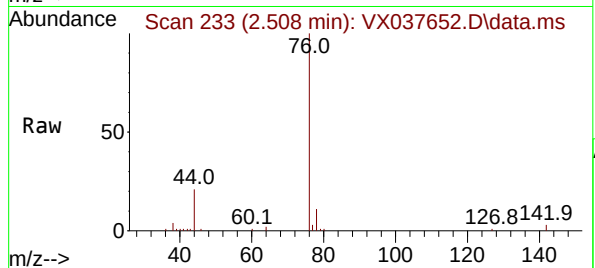
78 10.5 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#18

Methyl Acetate

Concen: 5.181 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX037652.D

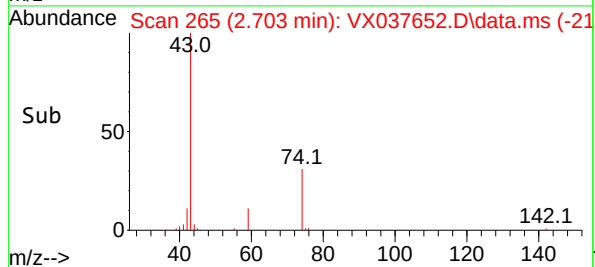
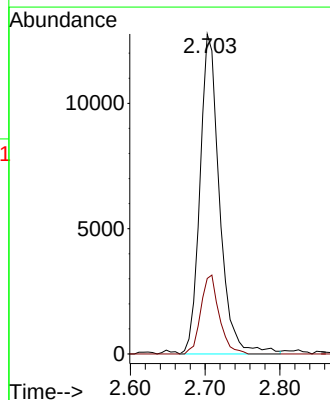
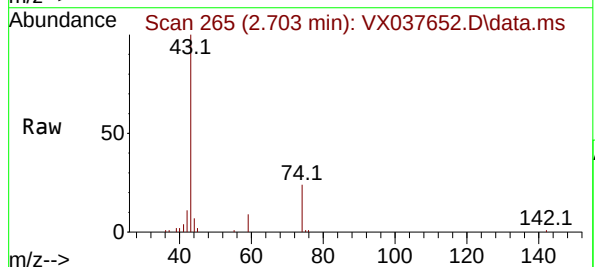
Acq: 11 Sep 2023 20:14

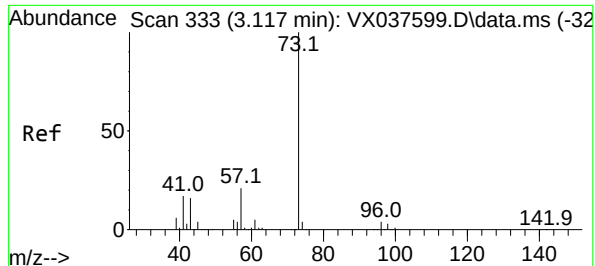
Tgt Ion: 43 Resp: 23162

Ion Ratio Lower Upper

43 100

74 23.2 17.8 26.8





#19

Methyl tert-butyl Ether

Concen: 5.241 ug/l

RT: 3.111 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 73 Resp: 3431

Ion Ratio Lower Upper

73 100

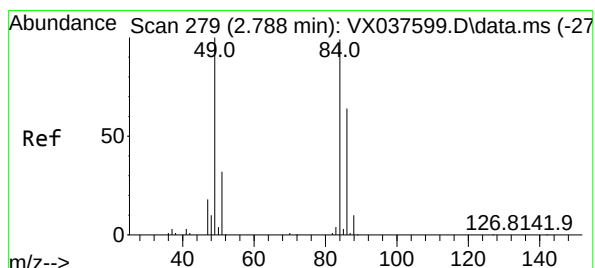
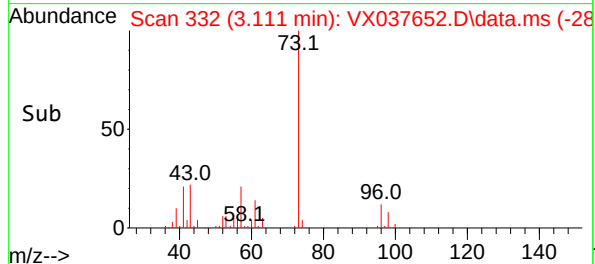
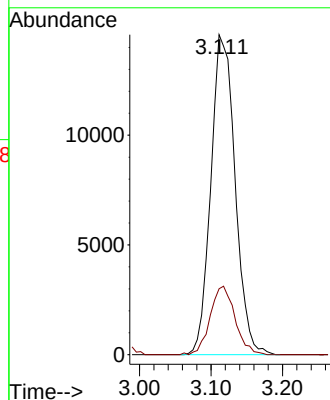
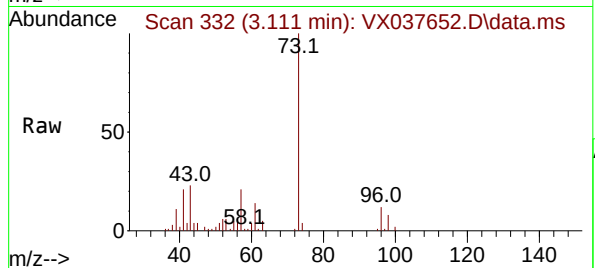
57 20.6 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#20

Methylene Chloride

Concen: 5.059 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Tgt Ion: 84 Resp: 12588

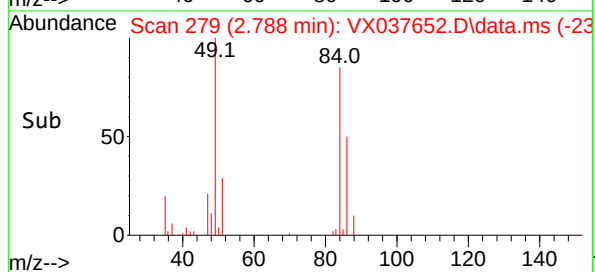
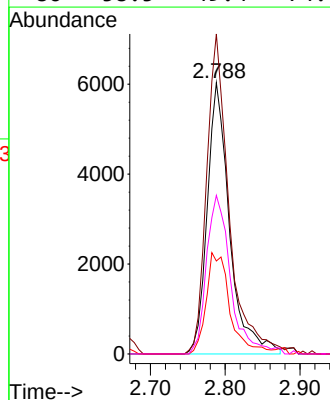
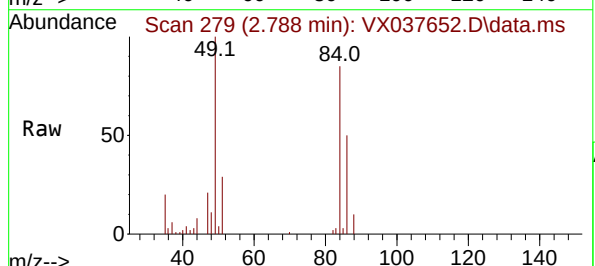
Ion Ratio Lower Upper

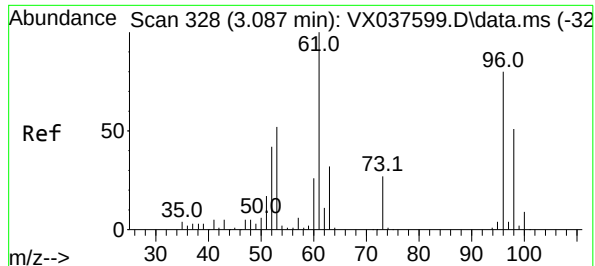
84 100

49 118.0 103.6 155.4

51 34.3 33.8 50.6

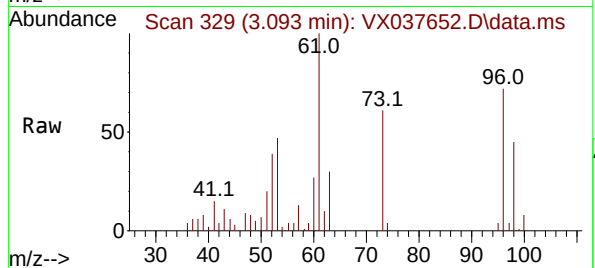
86 58.5 49.4 74.0





#21
trans-1,2-Dichloroethene
Concen: 5.190 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX037652.D
Acq: 11 Sep 2023 20:14

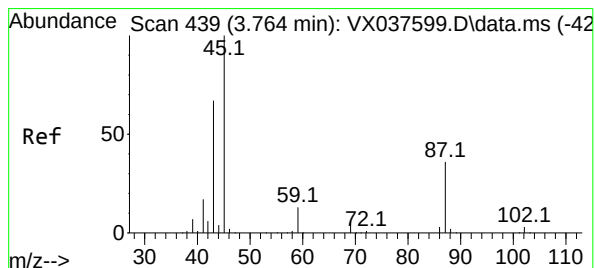
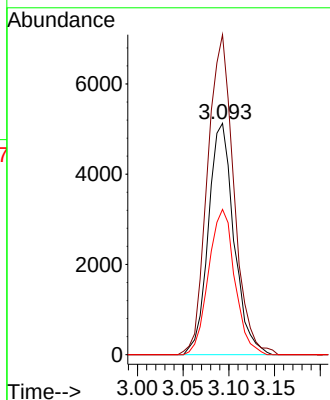
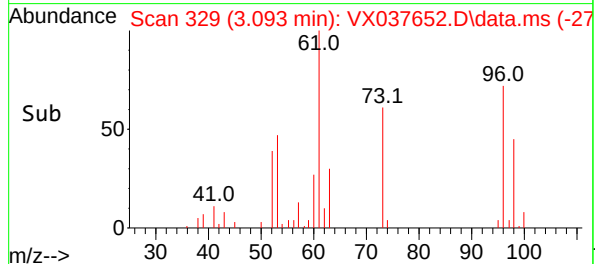
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion: 96 Resp: 998
Ion Ratio Lower Upper
96 100
61 138.3 119.2 178.8
98 62.8 48.7 73.1

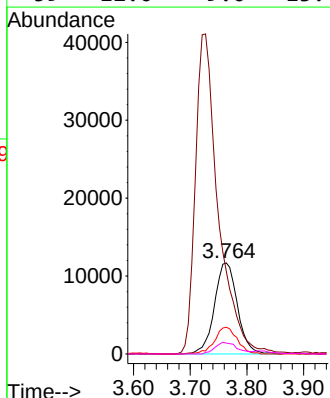
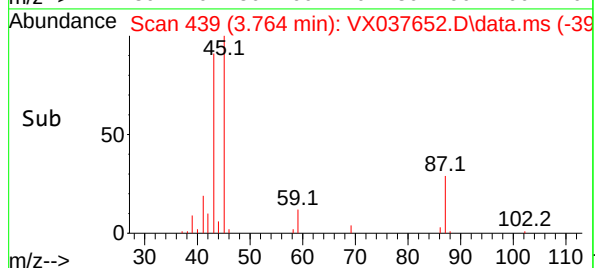
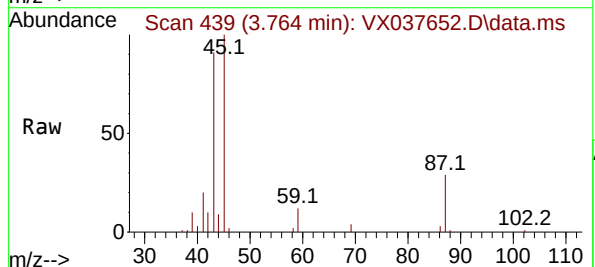
Manual Integrations
APPROVED

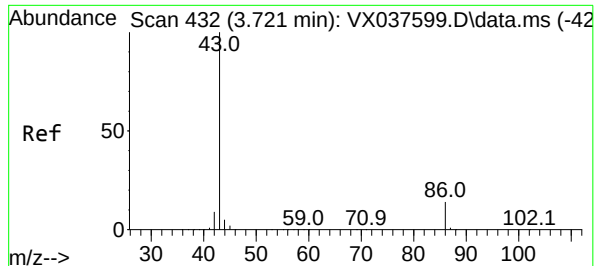
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#22
Diisopropyl ether
Concen: 5.210 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX037652.D
Acq: 11 Sep 2023 20:14

Tgt Ion: 45 Resp: 32821
Ion Ratio Lower Upper
45 100
43 90.2 69.7 104.5
87 29.4 20.8 31.2
59 12.0 9.0 13.4





#23

Vinyl Acetate

Concen: 24.986 ug/l

RT: 3.727 min Scan# 411

Delta R.T. 0.006 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 11548

Ion Ratio Lower Upper

43 100

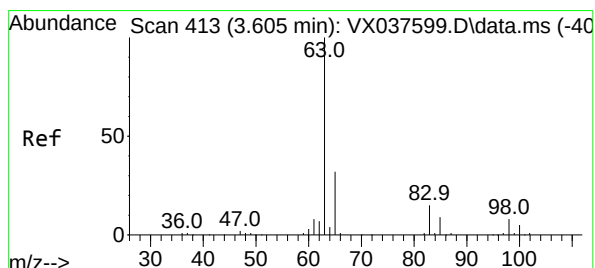
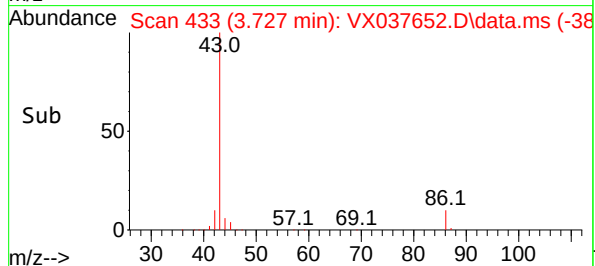
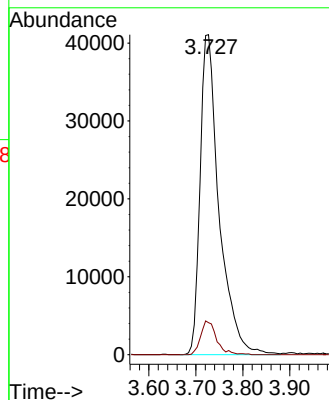
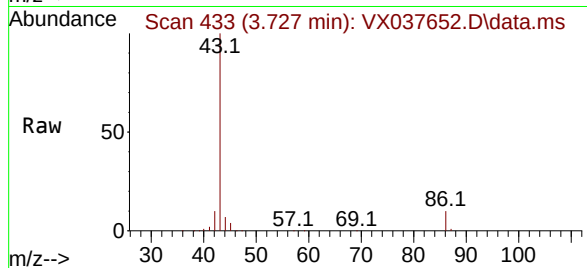
86 10.0 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#24

1,1-Dichloroethane

Concen: 5.332 ug/l

RT: 3.611 min Scan# 414

Delta R.T. 0.006 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

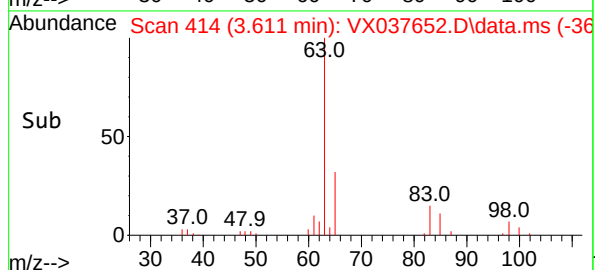
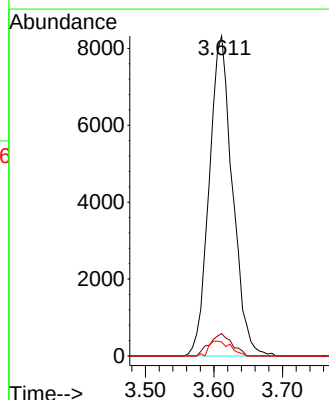
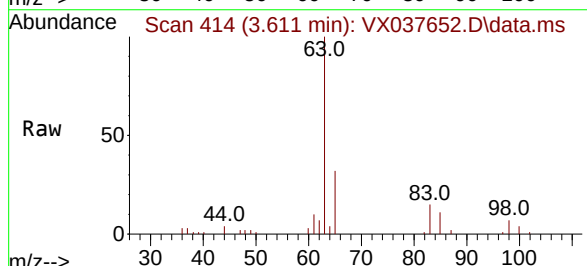
Tgt Ion: 63 Resp: 19651

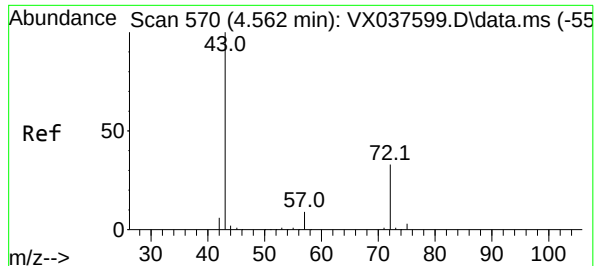
Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

100 4.4 2.1 6.5





#25

2-Butanone

Concen: 25.745 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 43 Resp: 4409

Ion Ratio Lower Upper

43 100

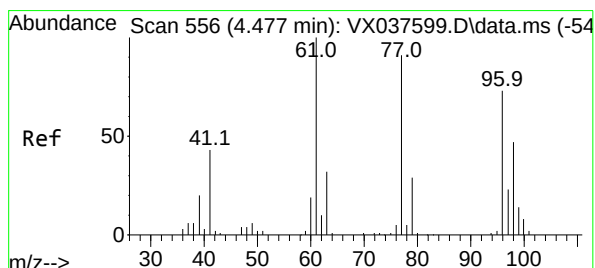
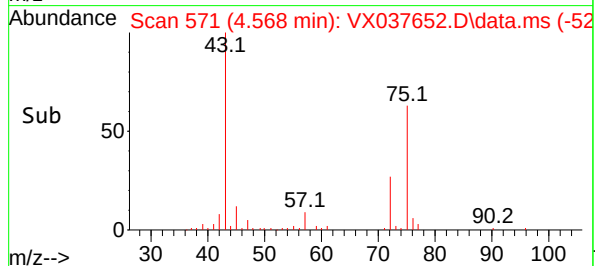
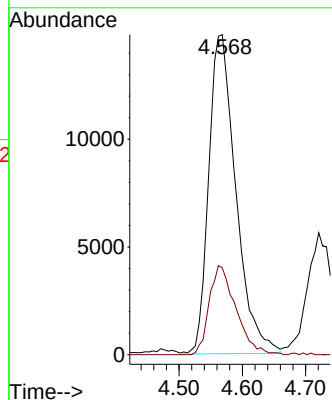
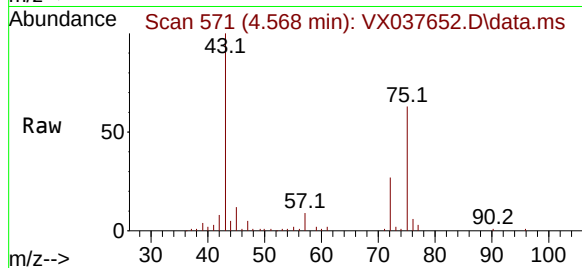
72 27.3 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#26

2,2-Dichloropropane

Concen: 4.892 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.006 min

Lab File: VX037652.D

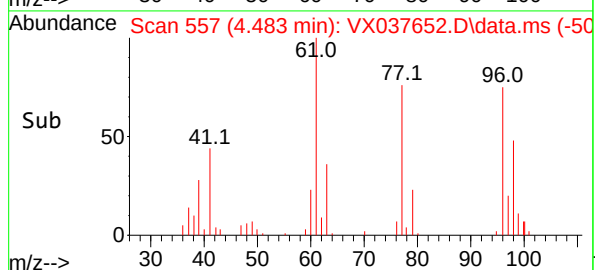
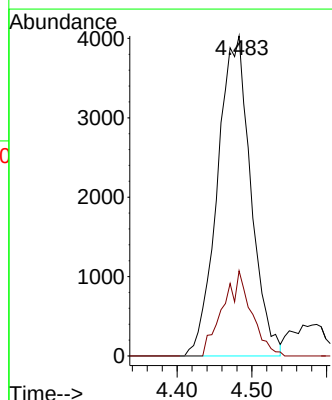
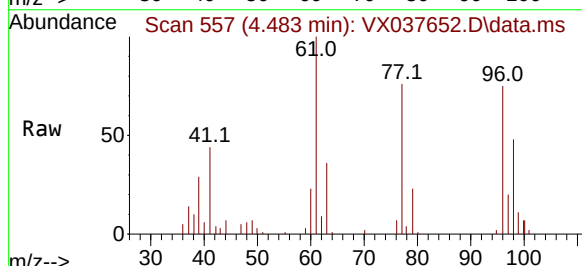
Acq: 11 Sep 2023 20:14

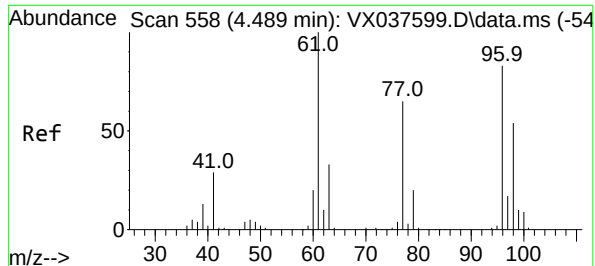
Tgt Ion: 77 Resp: 12483

Ion Ratio Lower Upper

77 100

97 22.9 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 5.311 ug/l

RT: 4.495 min Scan# 511

Delta R.T. 0.006 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 1221

Ion Ratio Lower Upper

96 100

61 139.5 0.0 312.2

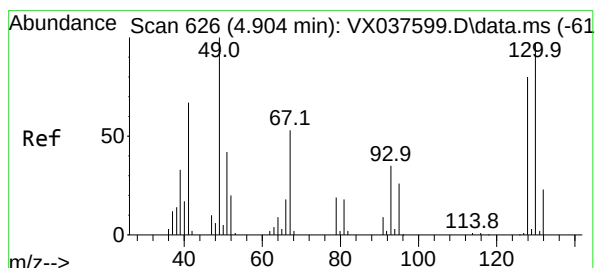
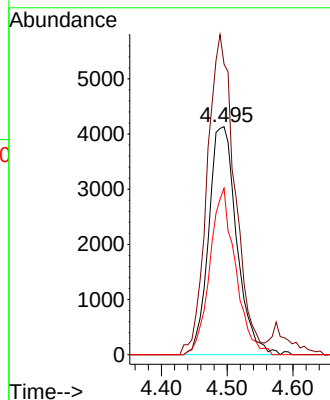
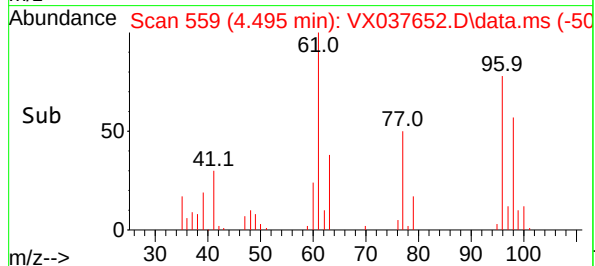
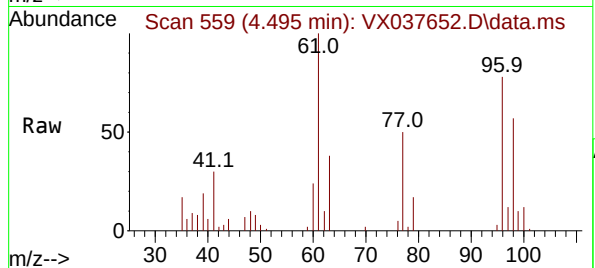
98 67.0 0.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#28

Bromochloromethane

Concen: 5.488 ug/l

RT: 4.898 min Scan# 625

Delta R.T. -0.006 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

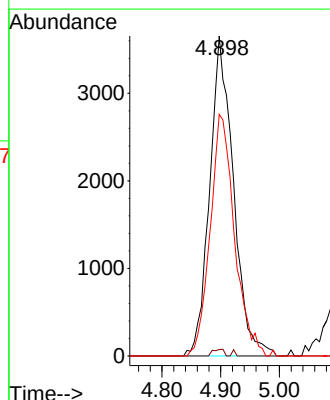
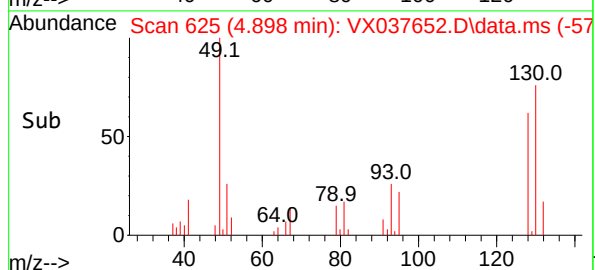
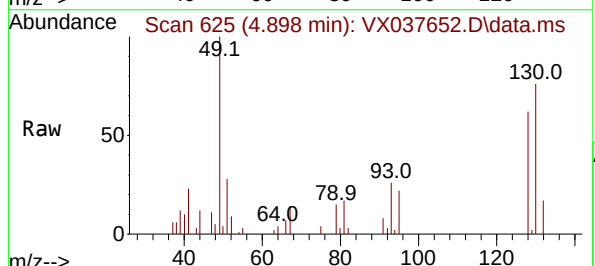
Tgt Ion: 49 Resp: 10257

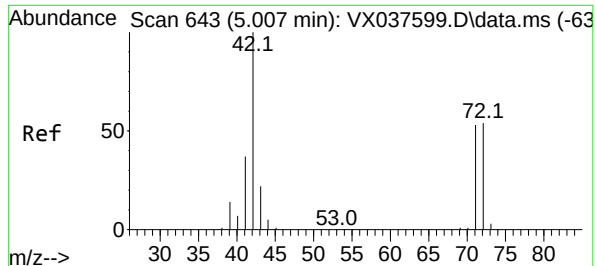
Ion Ratio Lower Upper

49 100

129 1.0 0.0 3.8

130 77.0 57.5 86.3





#29

Tetrahydrofuran

Concen: 25.390 ug/l

RT: 5.013 min Scan# 643

Delta R.T. 0.006 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

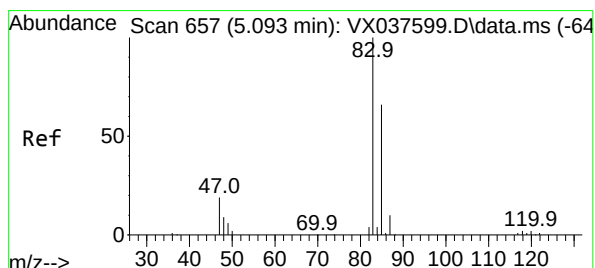
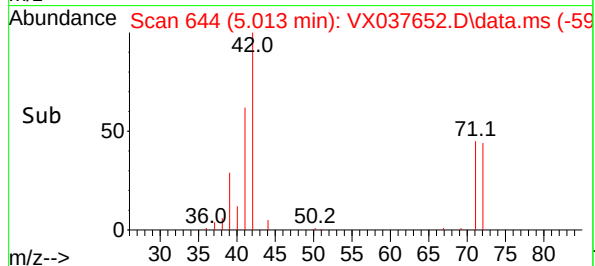
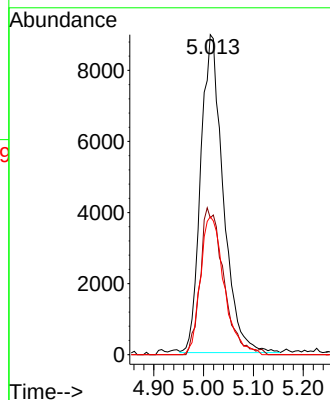
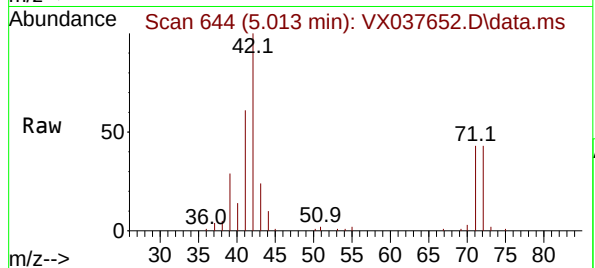
ClientSampleId :

VSTDIC005

Tgt Ion:	42	Resp:	2804
Ion Ratio	Lower	Upper	
42	100		
72	47.9	34.2	51.4
71	46.0	32.2	48.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#30

Chloroform

Concen: 5.109 ug/l

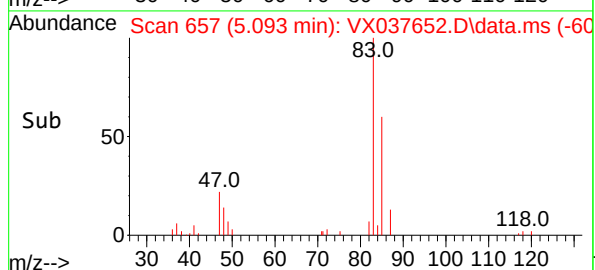
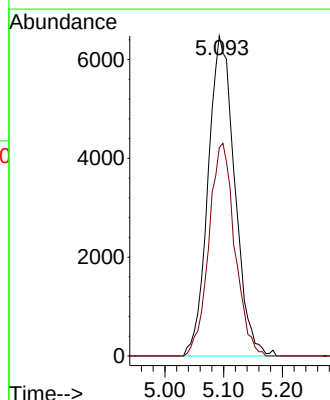
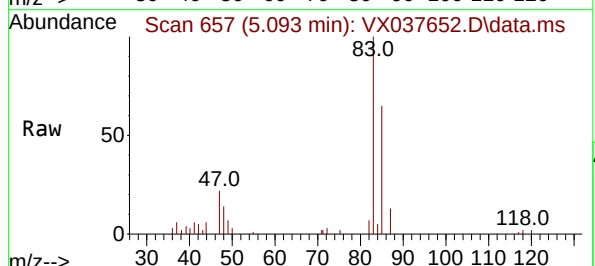
RT: 5.093 min Scan# 657

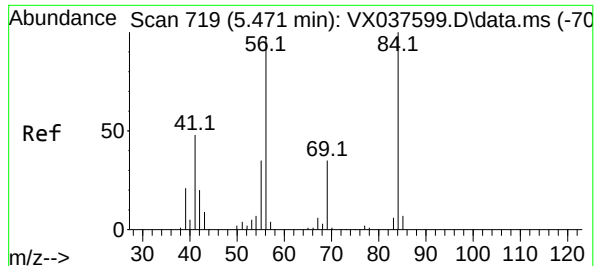
Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Tgt Ion:	83	Resp:	20413
Ion Ratio	Lower	Upper	
83	100		
85	65.0	50.3	75.5





#31

Cyclohexane

Concen: 5.432 ug/l

RT: 5.471 min Scan# 719

Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 16139

Ion Ratio Lower Upper

56 100

69 32.8 23.4 35.2

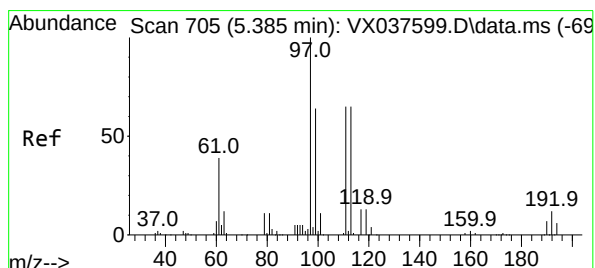
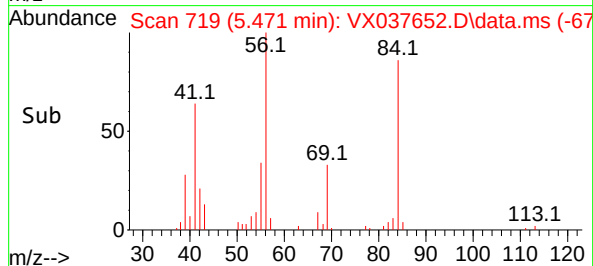
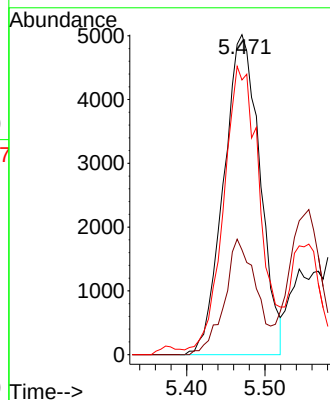
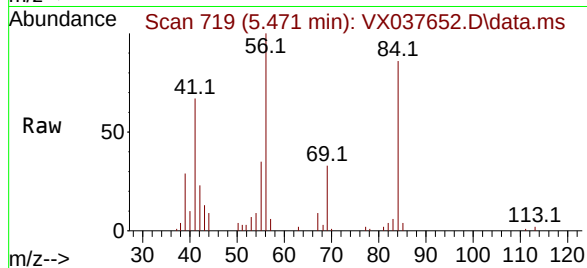
84 84.2 65.9 98.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#32

1,1,1-Trichloroethane

Concen: 4.967 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

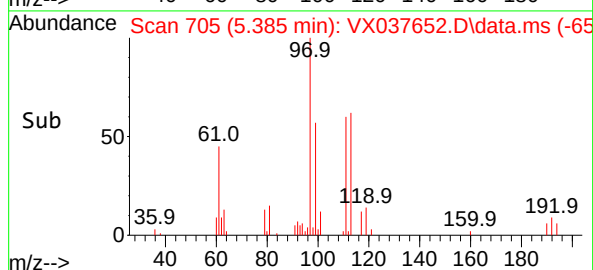
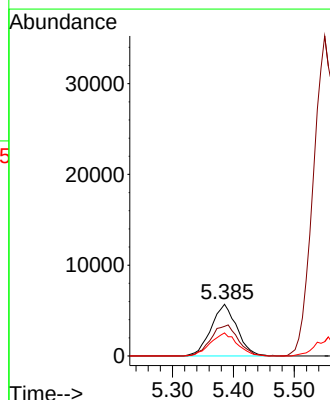
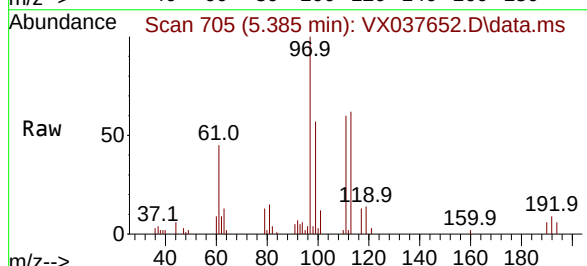
Tgt Ion: 97 Resp: 16671

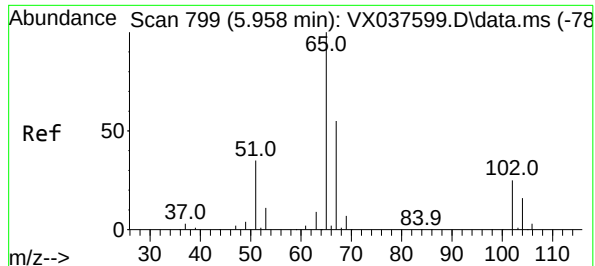
Ion Ratio Lower Upper

97 100

99 63.7 51.1 76.7

61 46.1 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 5.712 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

Client Sample Id :

VSTDIC005

Tgt Ion: 65 Resp: 14738

Ion Ratio Lower Upper

65 100

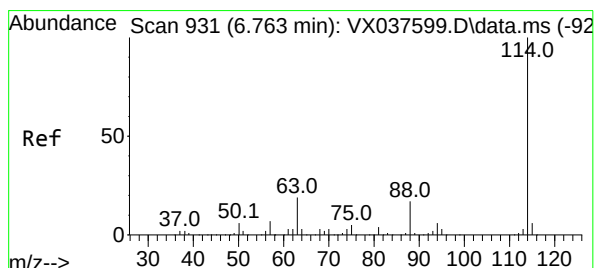
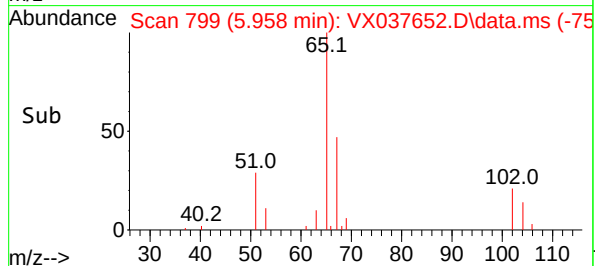
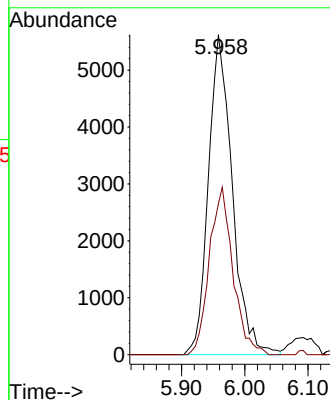
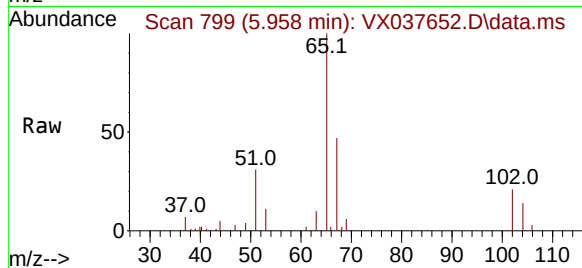
67 51.7 0.0 100.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

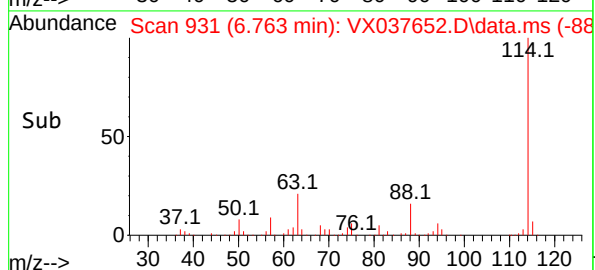
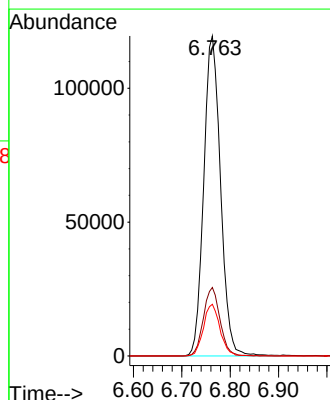
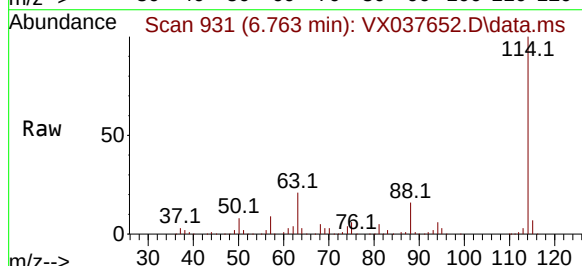
Tgt Ion:114 Resp: 288570

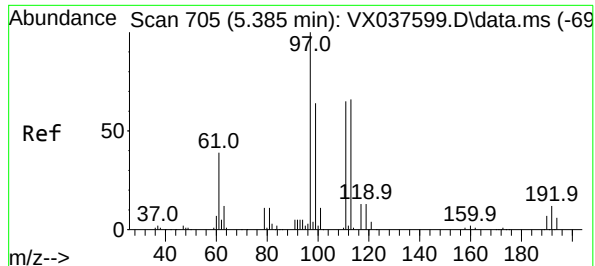
Ion Ratio Lower Upper

114 100

63 21.4 0.0 45.0

88 16.1 0.0 36.6





#35

Dibromofluoromethane

Concen: 5.213 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion:113 Resp: 1066

Ion Ratio Lower Upper

113 100

111 105.6 82.9 124.3

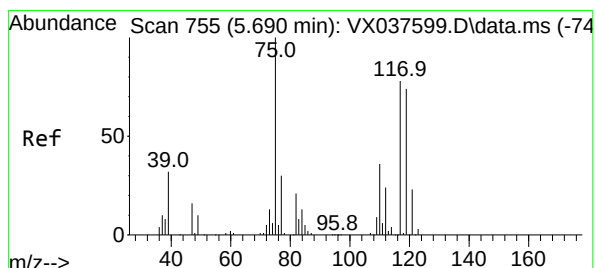
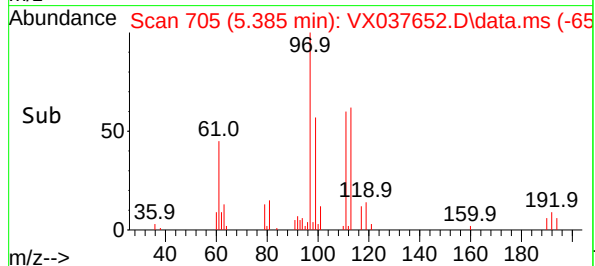
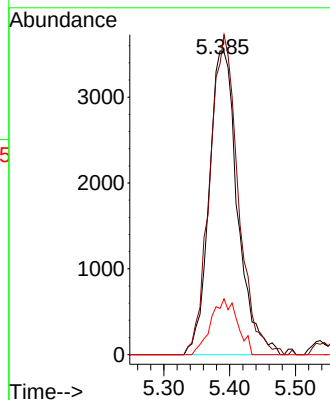
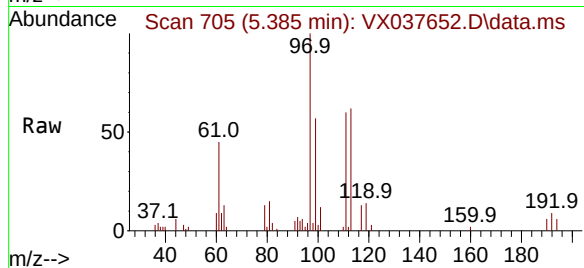
192 17.2 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#36

1,1-Dichloropropene

Concen: 4.933 ug/l

RT: 5.696 min Scan# 756

Delta R.T. 0.006 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

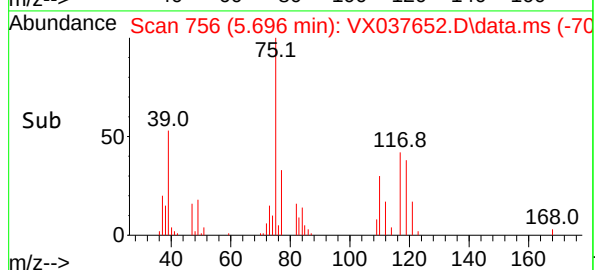
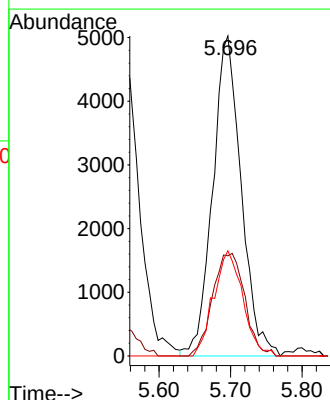
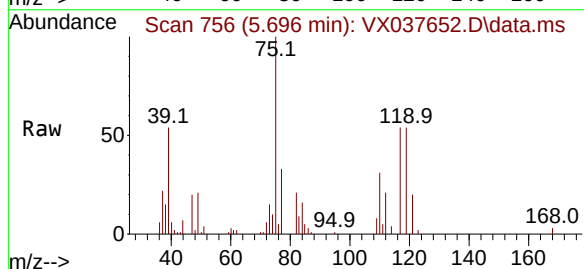
Tgt Ion: 75 Resp: 13913

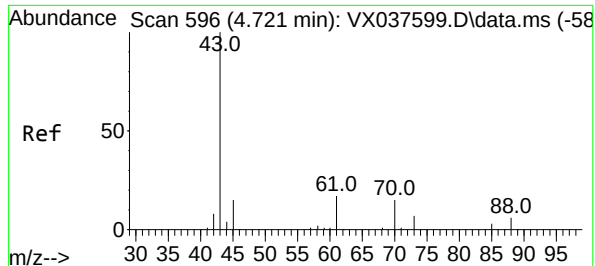
Ion Ratio Lower Upper

75 100

110 36.2 17.0 50.9

77 33.5 24.7 37.1





#37

Ethyl Acetate

Concen: 5.135 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

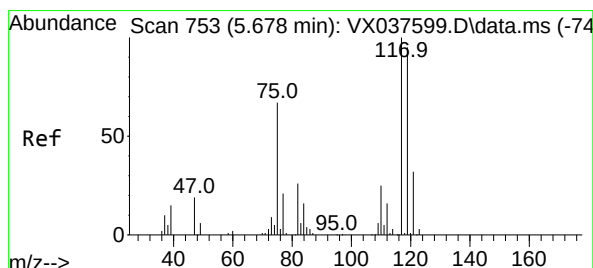
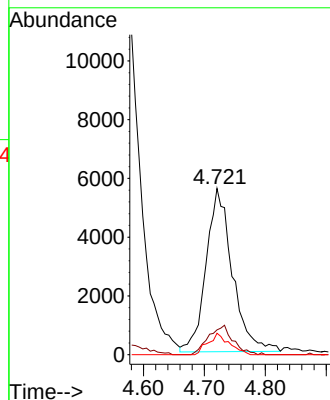
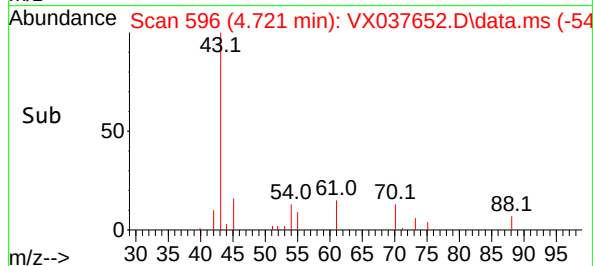
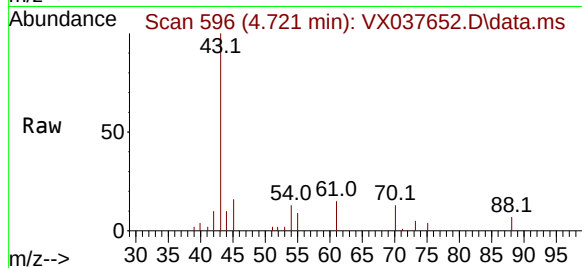
VSTDICC005

Tgt Ion:	43	Resp:	1670
Ion	Ratio	Lower	Upper
43	100		
61	16.8	10.6	16.0
70	10.6	8.3	12.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#38

Carbon Tetrachloride

Concen: 4.918 ug/l

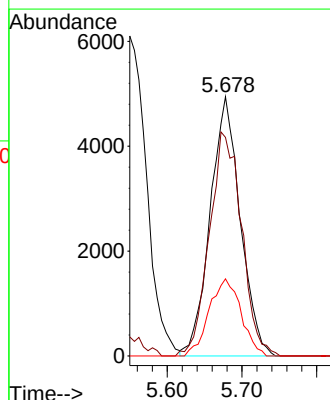
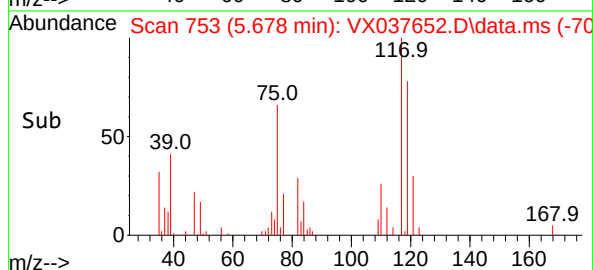
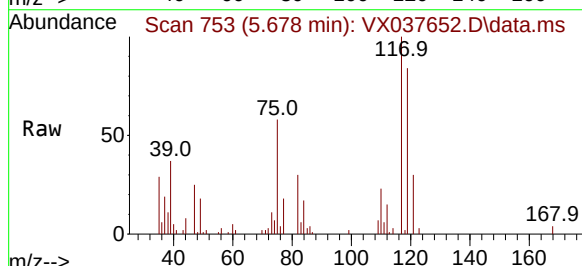
RT: 5.678 min Scan# 753

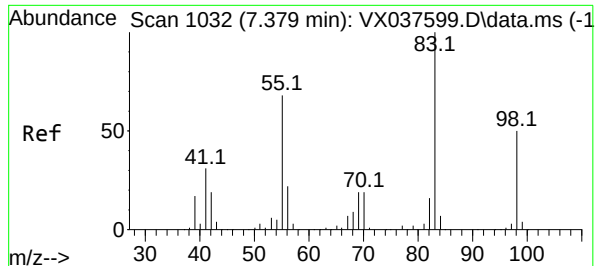
Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Tgt Ion:	117	Resp:	13854
Ion	Ratio	Lower	Upper
117	100		
119	84.3	78.2	117.2
121	29.8	24.4	36.6





#39

Methylcyclohexane

Concen: 4.975 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.006 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 1650

Ion Ratio Lower Upper

83 100

55 76.8 64.6 97.0

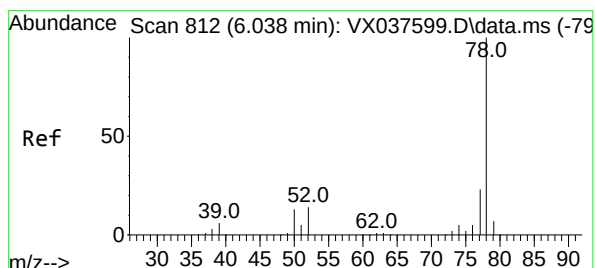
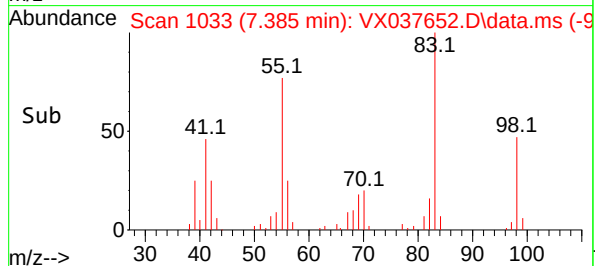
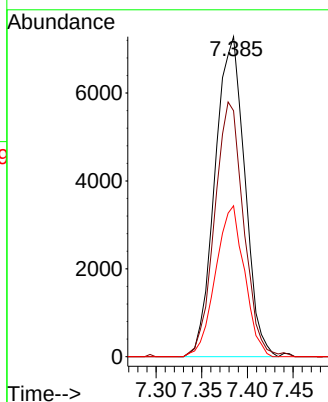
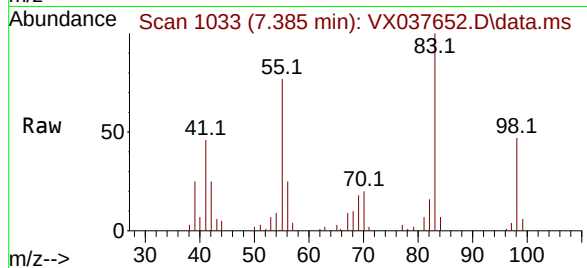
98 47.2 36.7 55.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#40

Benzene

Concen: 5.174 ug/l

RT: 6.038 min Scan# 812

Delta R.T. -0.000 min

Lab File: VX037652.D

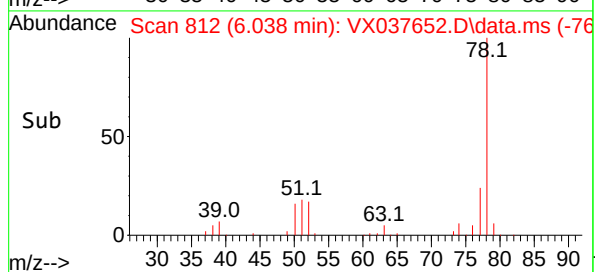
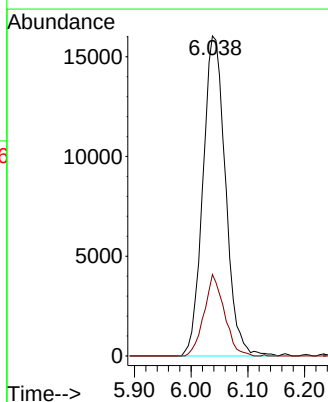
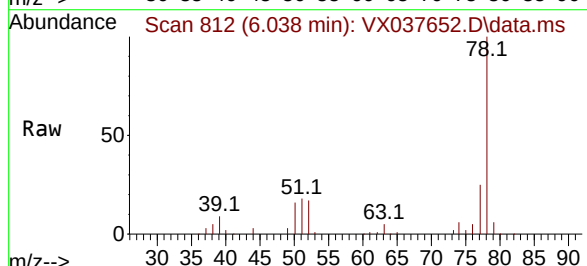
Acq: 11 Sep 2023 20:14

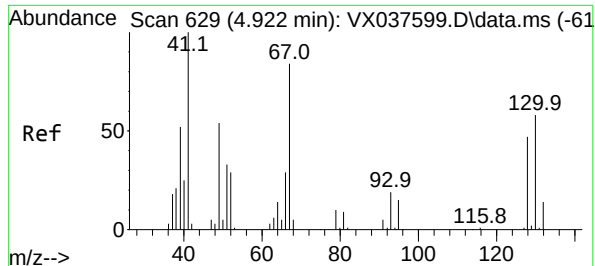
Tgt Ion: 78 Resp: 44374

Ion Ratio Lower Upper

78 100

77 25.5 19.3 28.9





#41

Methacrylonitrile

Concen: 4.809 ug/l

RT: 4.934 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 41 Resp: 831

Ion Ratio Lower Upper

41 100

39 59.3 45.2 67.8

67 81.9 52.6 78.8

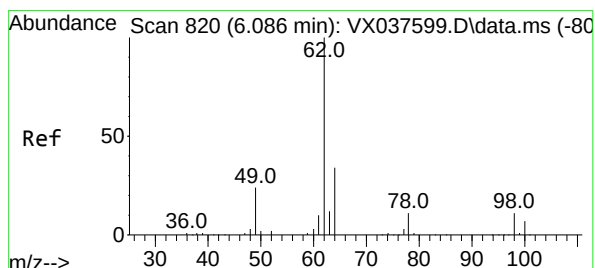
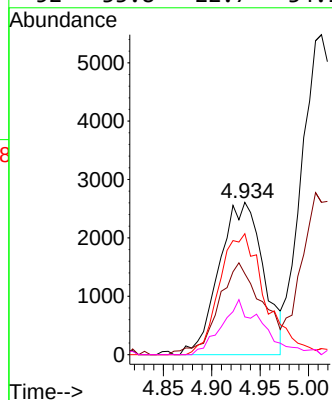
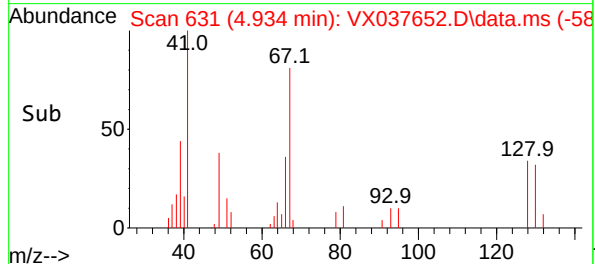
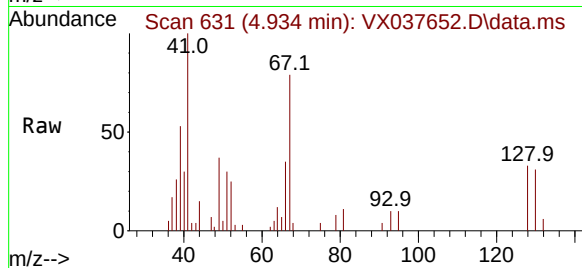
52 33.8 22.7 34.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#42

1,2-Dichloroethane

Concen: 5.256 ug/l

RT: 6.086 min Scan# 820

Delta R.T. -0.000 min

Lab File: VX037652.D

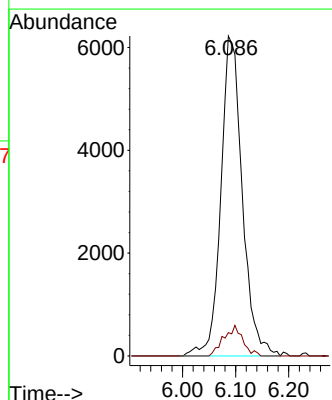
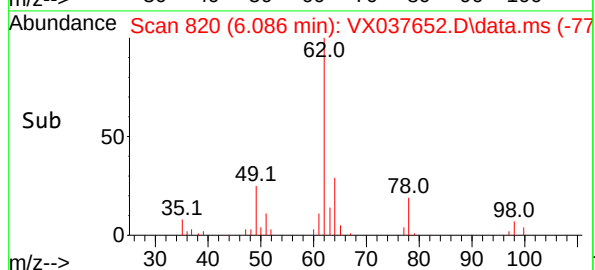
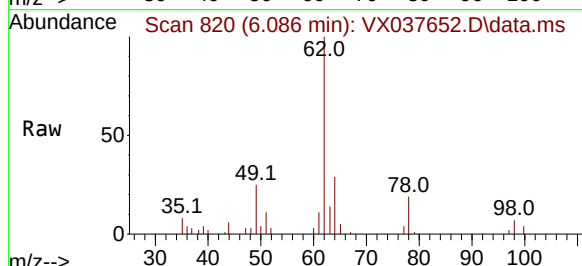
Acq: 11 Sep 2023 20:14

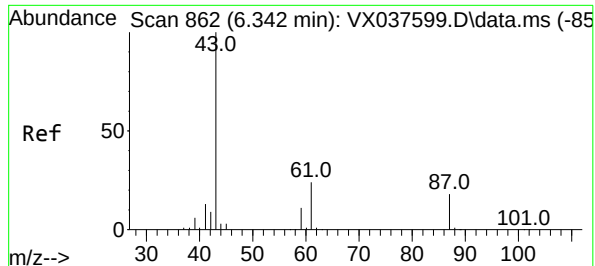
Tgt Ion: 62 Resp: 17468

Ion Ratio Lower Upper

62 100

98 8.4 0.0 16.0





#43

Isopropyl Acetate

Concen: 4.899 ug/l

RT: 6.348 min Scan# 862

Delta R.T. 0.006 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

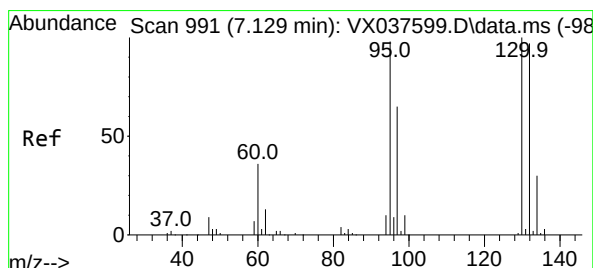
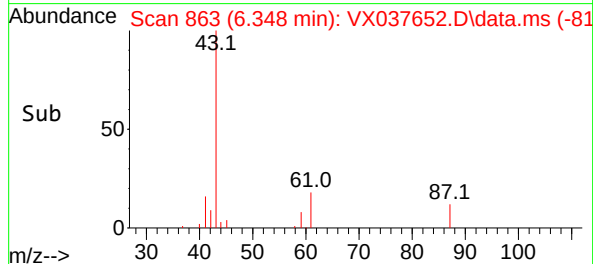
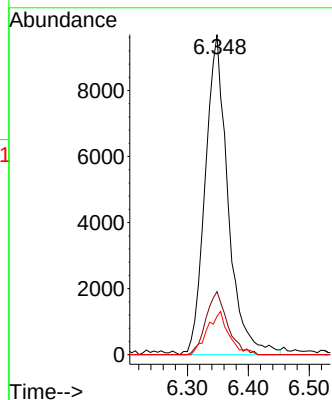
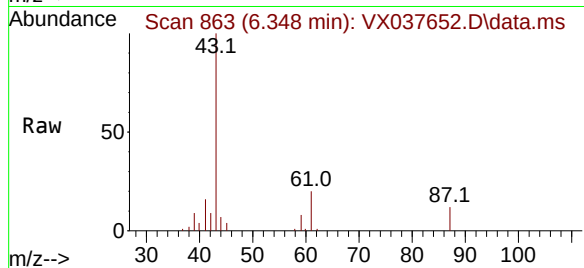
VSTDIC005

Tgt Ion: 43	Resp: 2519
Ion Ratio	Lower Upper
43	100
61	18.6 15.2 22.8
87	12.8 9.8 14.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#44

Trichloroethene

Concen: 4.988 ug/l

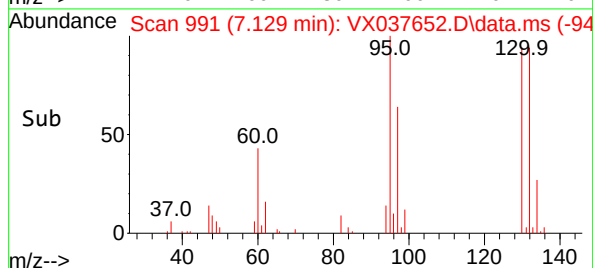
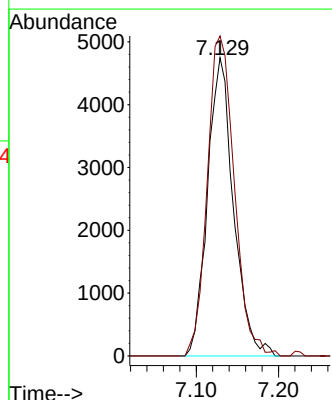
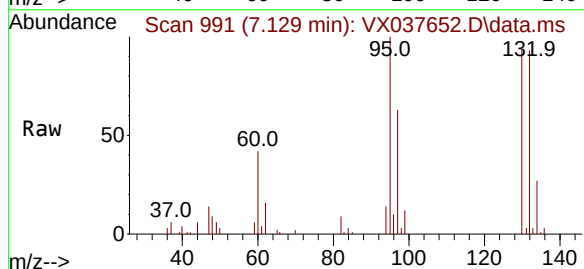
RT: 7.129 min Scan# 991

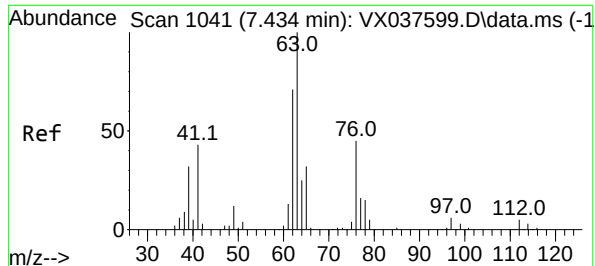
Delta R.T. -0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Tgt Ion:130	Resp: 10442
Ion Ratio	Lower Upper
130	100
95	107.3 0.0 204.4





#45

1,2-Dichloropropane

Concen: 5.197 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 1169

Ion Ratio Lower Upper

63 100

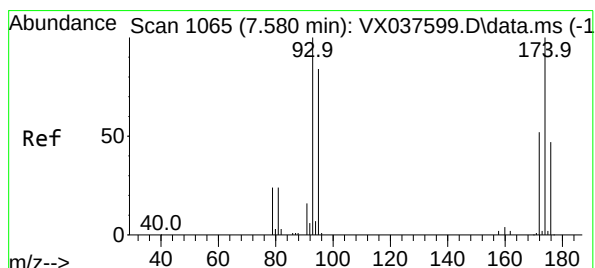
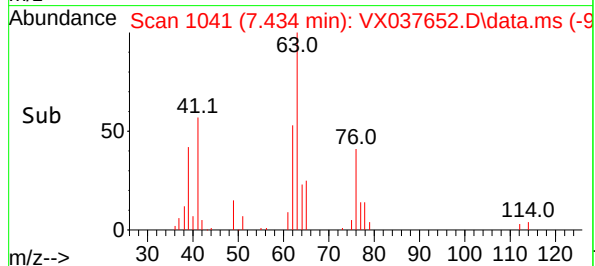
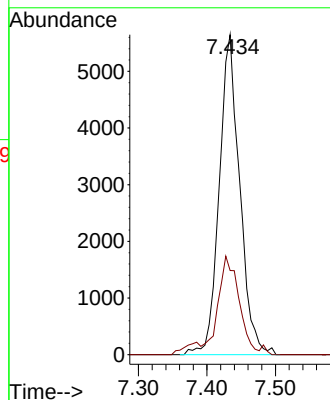
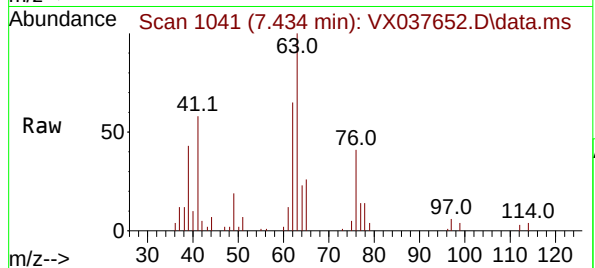
65 26.3 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#46

Dibromomethane

Concen: 5.067 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

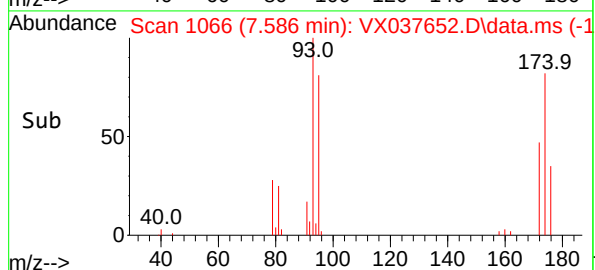
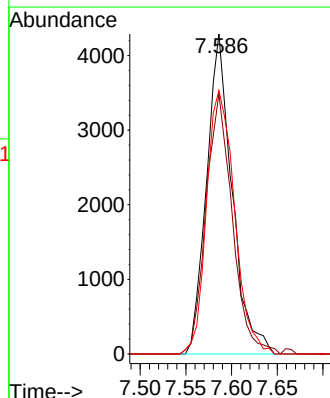
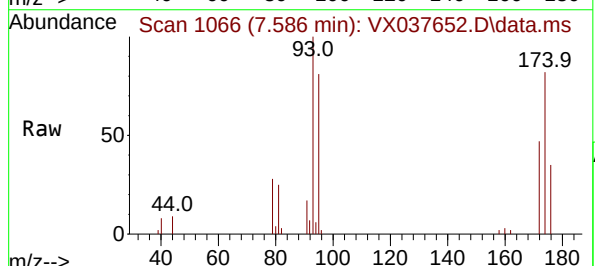
Tgt Ion: 93 Resp: 8320

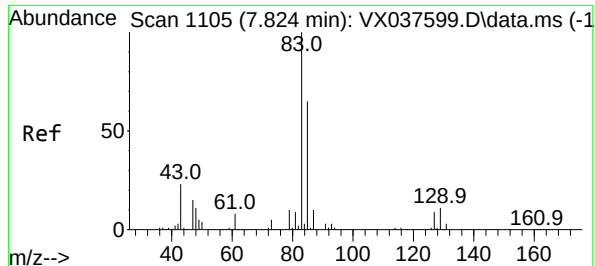
Ion Ratio Lower Upper

93 100

95 83.7 66.6 100.0

174 90.3 69.4 104.0





#47

Bromodichloromethane

Concen: 4.732 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

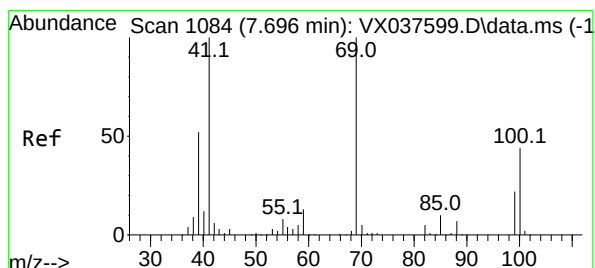
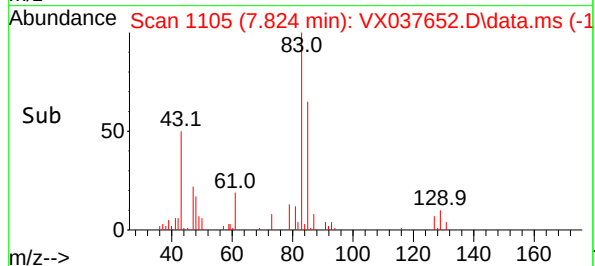
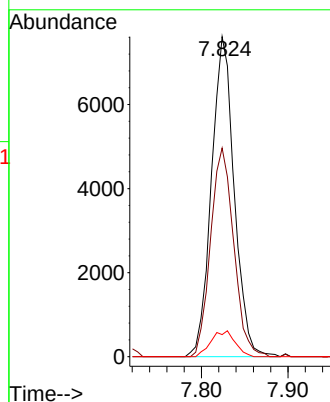
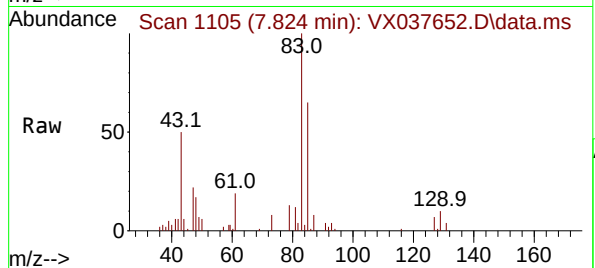
VSTDICC005

Tgt Ion:	83	Resp:	13920
Ion	Ratio	Lower	Upper
83	100		
85	65.2	49.8	74.6
127	6.9	7.1	10.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#48

Methyl methacrylate

Concen: 4.707 ug/l

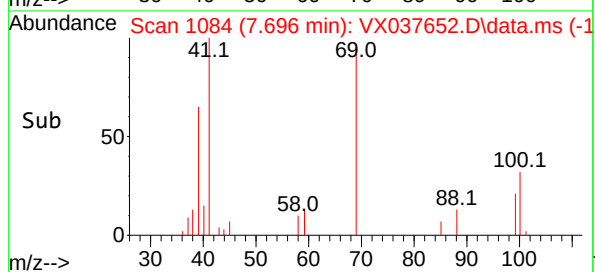
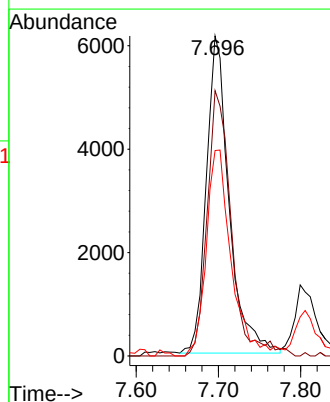
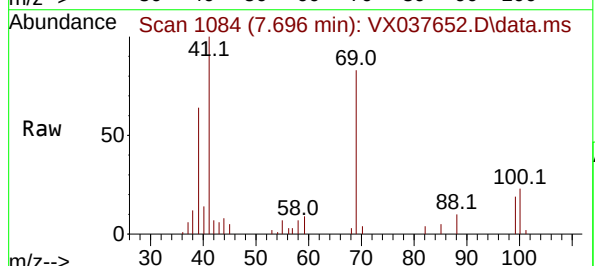
RT: 7.696 min Scan# 1084

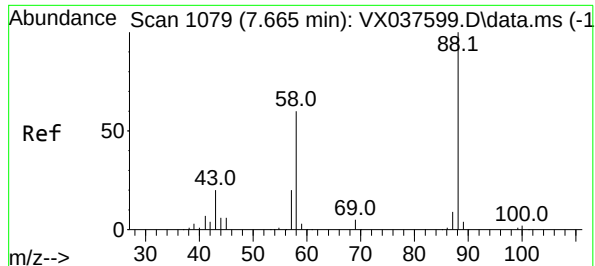
Delta R.T. -0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Tgt Ion:	41	Resp:	11822
Ion	Ratio	Lower	Upper
41	100		
69	88.5	59.2	88.8
39	71.8	47.7	71.5





#49

1,4-Dioxane

Concen: 93.918 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. -0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

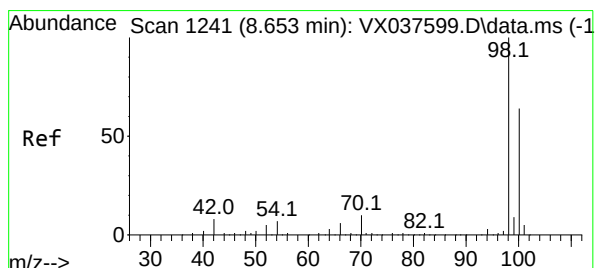
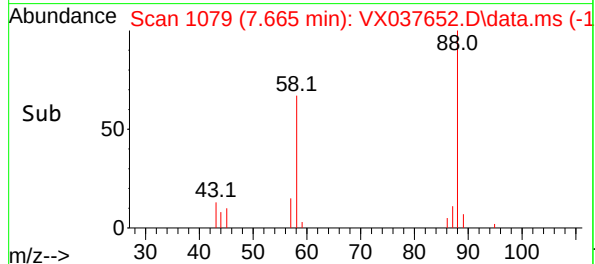
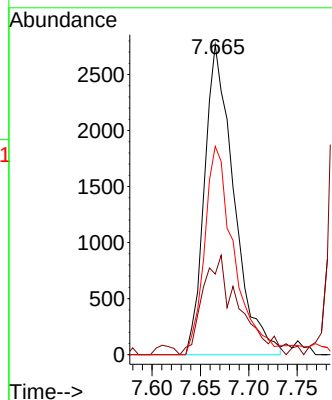
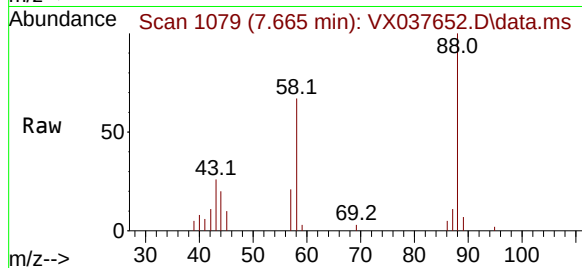
VSTDIC005

Tgt Ion:	88	Resp:	587
Ion	Ratio	Lower	Upper
88	100		
43	39.1	0.0	0.0
58	67.0	60.1	90.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#50

Toluene-d8

Concen: 5.277 ug/l

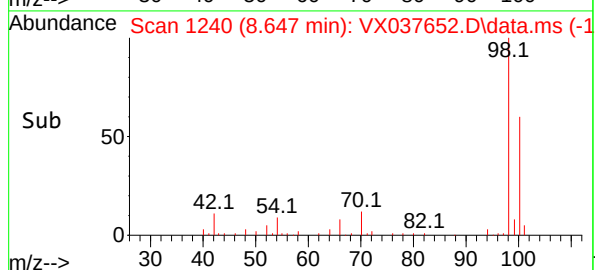
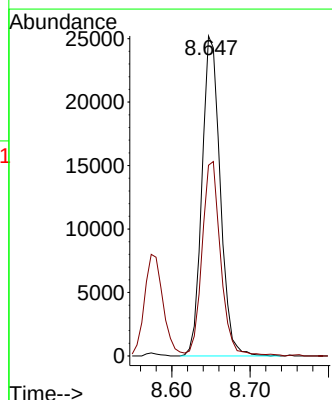
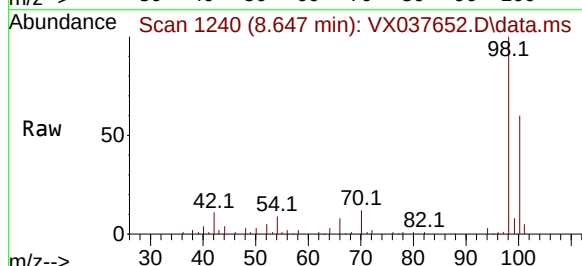
RT: 8.647 min Scan# 1240

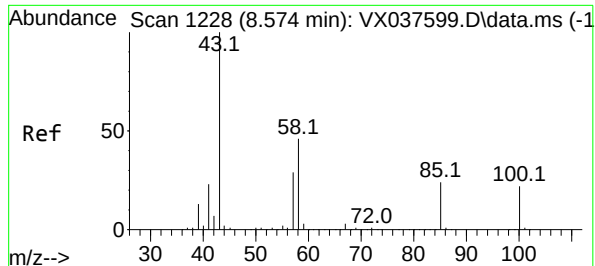
Delta R.T. -0.006 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Tgt Ion:	98	Resp:	40709
Ion	Ratio	Lower	Upper
98	100		
100	62.1	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 25.738 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 43 Resp: 8726

Ion Ratio Lower Upper

43 100

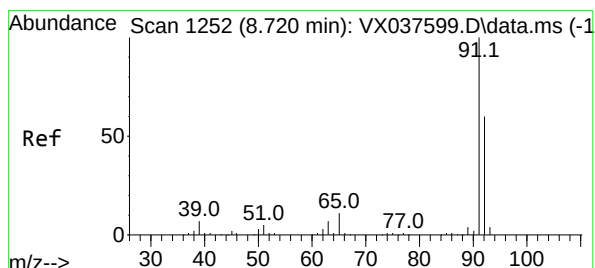
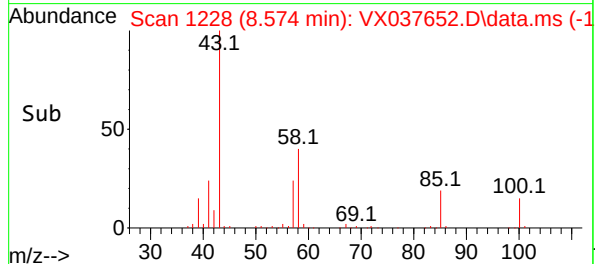
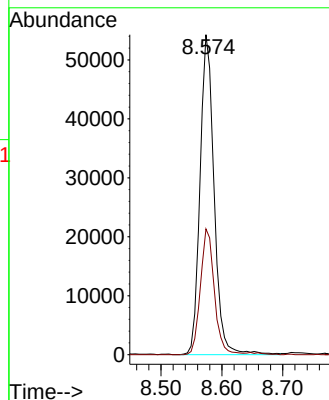
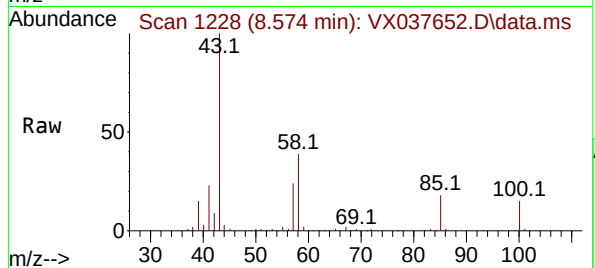
58 38.8 30.4 45.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#52

Toluene

Concen: 5.095 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX037652.D

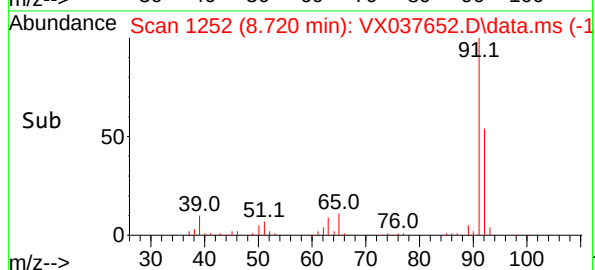
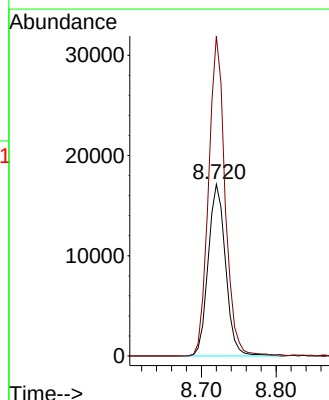
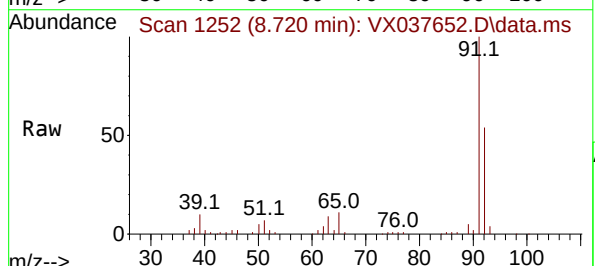
Acq: 11 Sep 2023 20:14

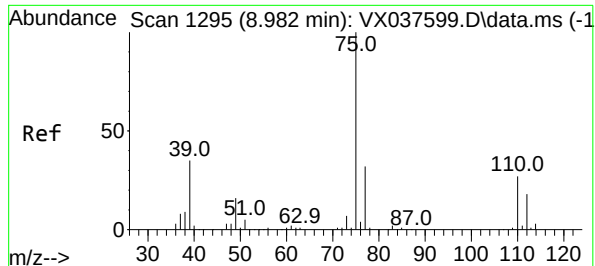
Tgt Ion: 92 Resp: 27653

Ion Ratio Lower Upper

92 100

91 177.5 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 4.436 ug/l

RT: 8.982 min Scan# 1295

Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 13194

Ion Ratio Lower Upper

75 100

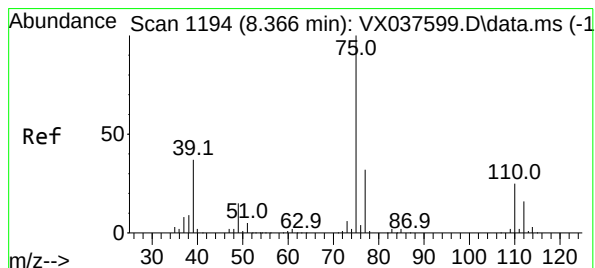
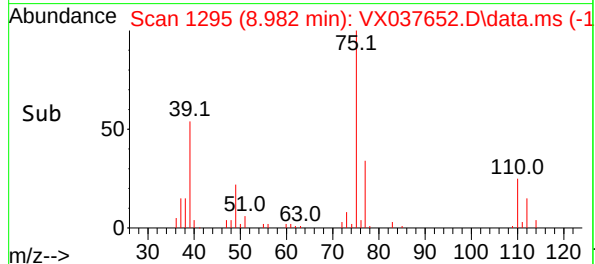
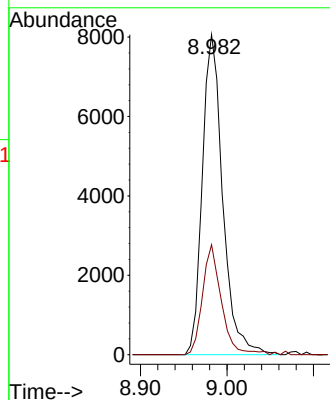
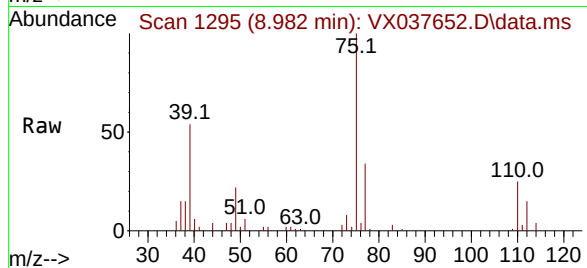
77 34.3 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#54

cis-1,3-Dichloropropene

Concen: 4.644 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

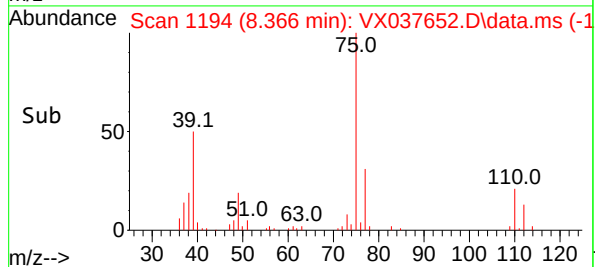
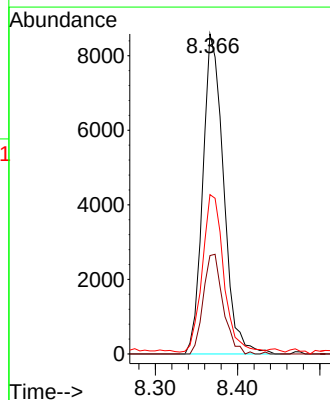
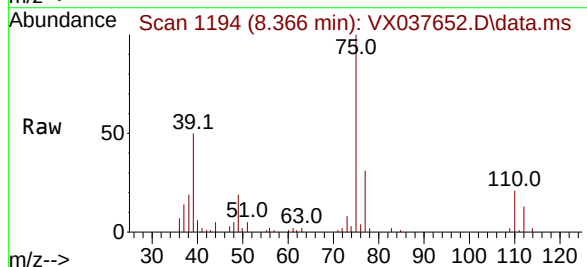
Tgt Ion: 75 Resp: 15064

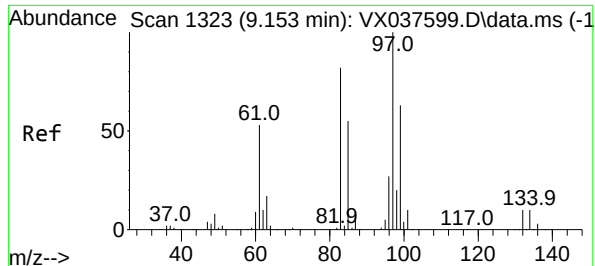
Ion Ratio Lower Upper

75 100

77 30.7 25.3 37.9

39 49.2 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 4.908 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 1145

Ion Ratio Lower Upper

97 100

83 82.8 65.8 98.8

85 64.1 41.6 62.4

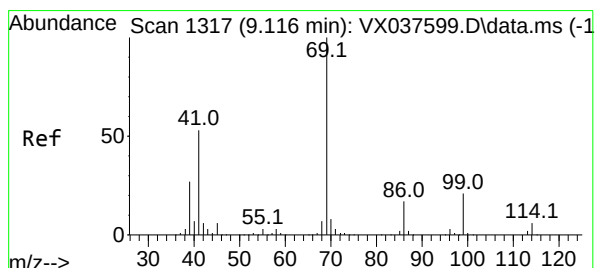
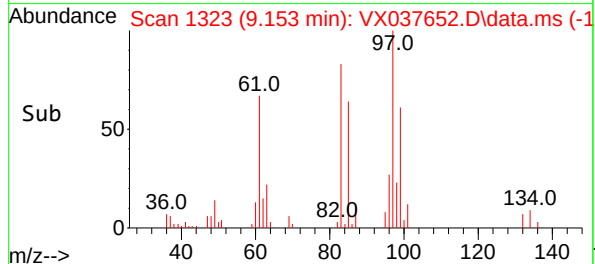
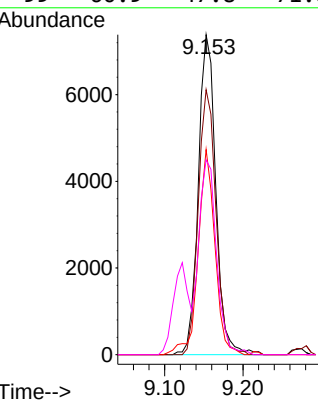
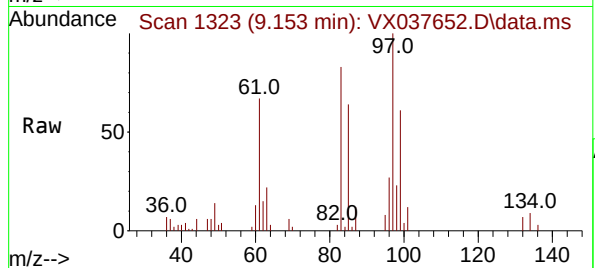
99 60.9 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#56

Ethyl methacrylate

Concen: 4.827 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

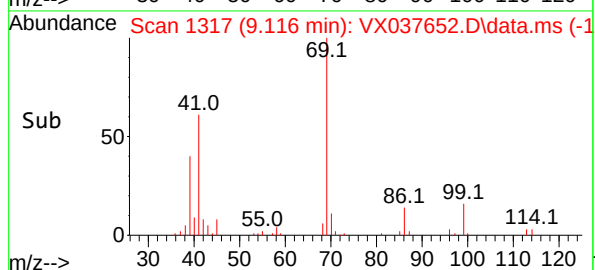
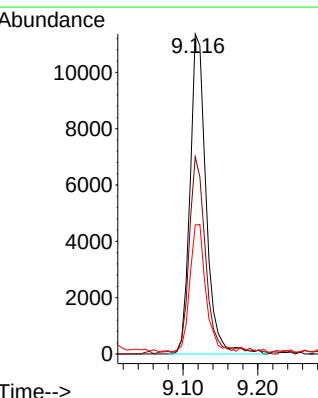
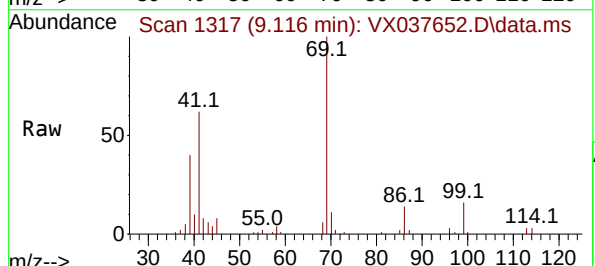
Tgt Ion: 69 Resp: 16928

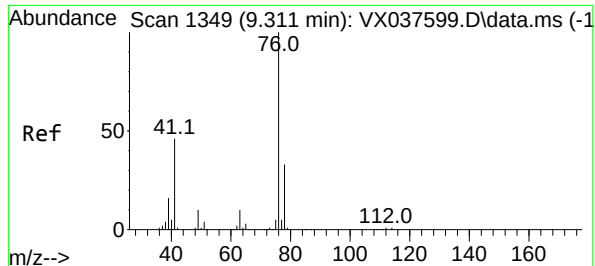
Ion Ratio Lower Upper

69 100

41 62.6 56.8 85.2

39 39.7 32.0 48.0





#57

1,3-Dichloropropane

Concen: 5.057 ug/l

RT: 9.311 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 1964

Ion Ratio Lower Upper

76 100

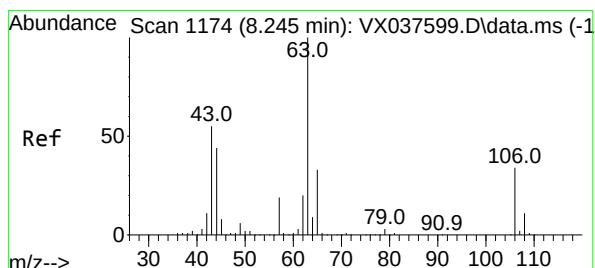
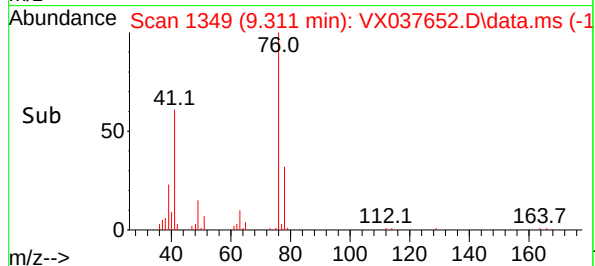
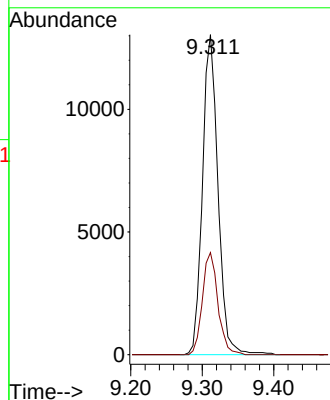
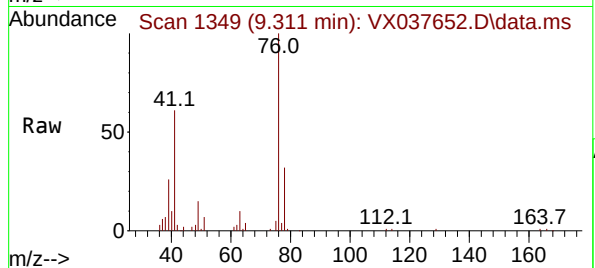
78 31.9 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#58

2-Chloroethyl Vinyl ether

Concen: 25.882 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. -0.000 min

Lab File: VX037652.D

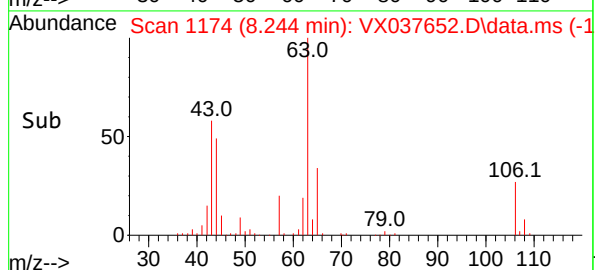
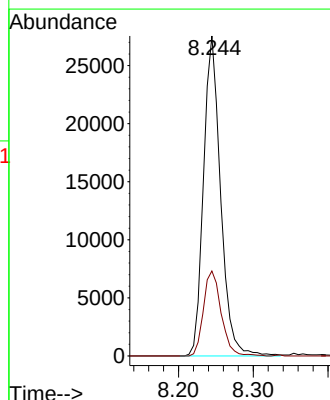
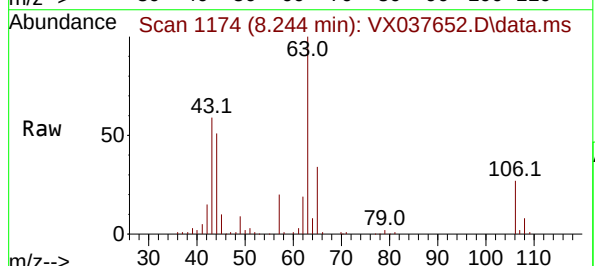
Acq: 11 Sep 2023 20:14

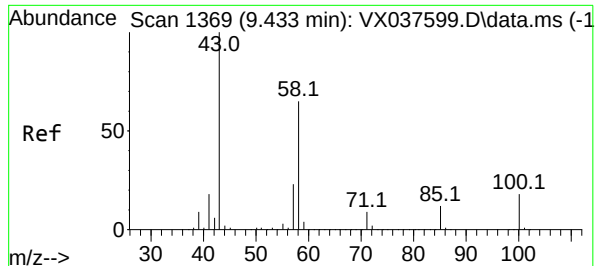
Tgt Ion: 63 Resp: 43808

Ion Ratio Lower Upper

63 100

106 27.5 22.5 33.7





#59

2-Hexanone

Concen: 24.935 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 6484

Ion Ratio Lower Upper

43 100

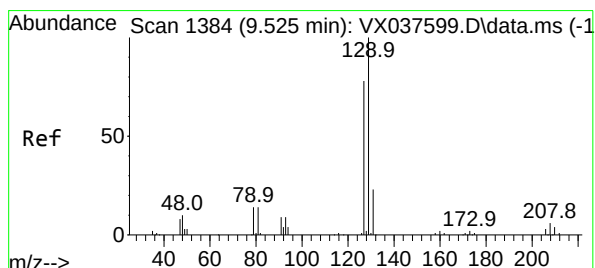
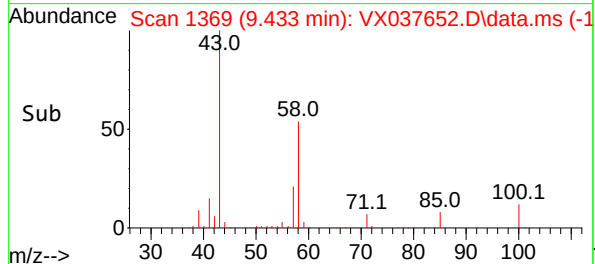
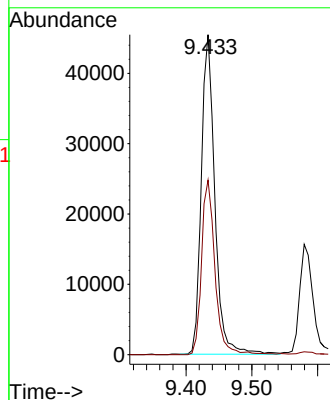
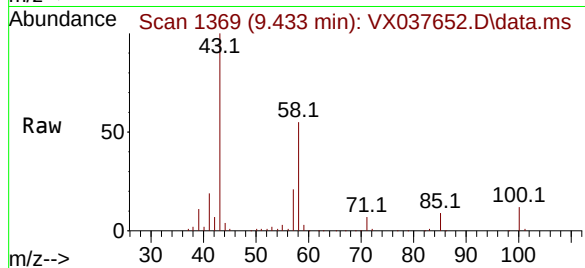
58 54.6 26.2 78.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#60

Dibromochloromethane

Concen: 4.510 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VX037652.D

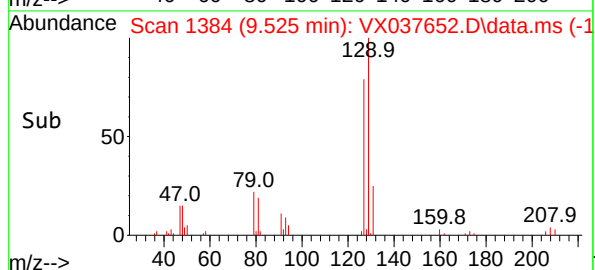
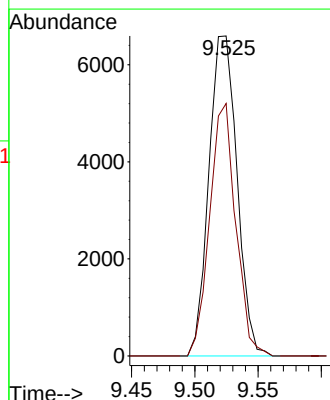
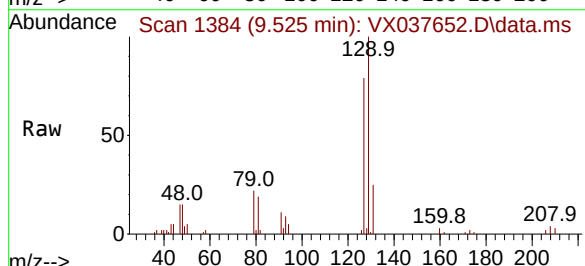
Acq: 11 Sep 2023 20:14

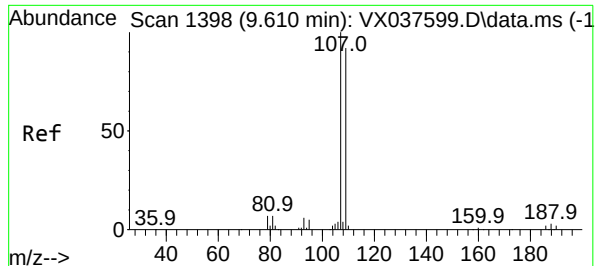
Tgt Ion:129 Resp: 10216

Ion Ratio Lower Upper

129 100

127 73.1 38.8 116.4





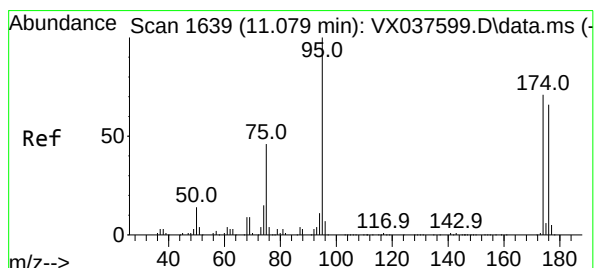
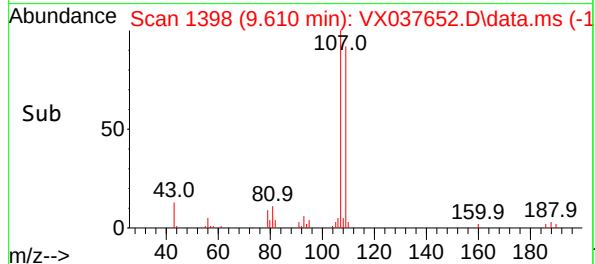
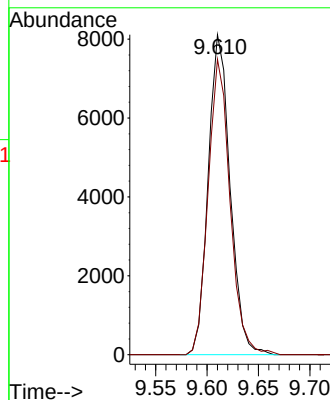
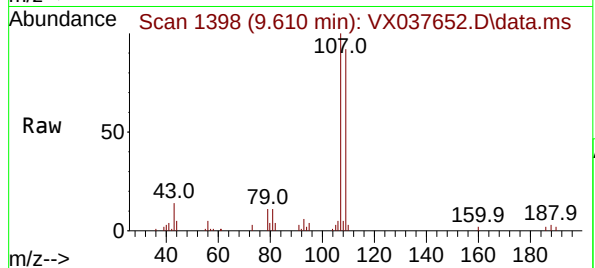
#61
1,2-Dibromoethane
Concen: 4.903 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX037652.D
Acq: 11 Sep 2023 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 12064
Ion Ratio Lower Upper
107 100
109 92.5 75.2 112.8

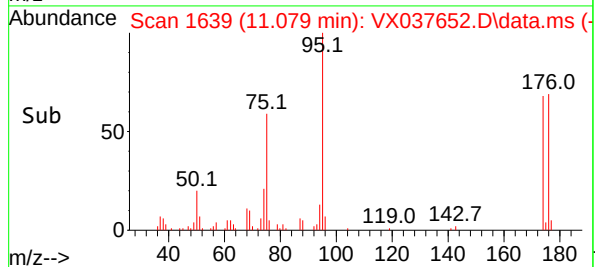
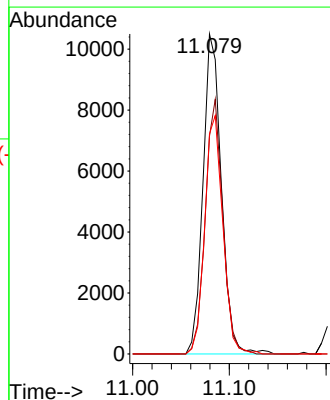
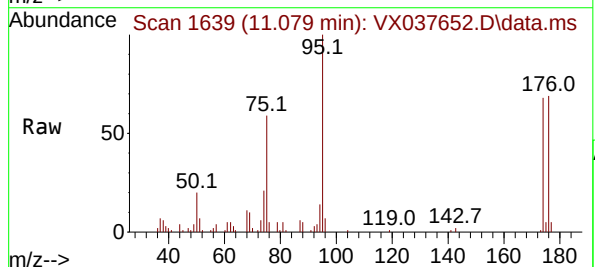
Manual Integrations
APPROVED

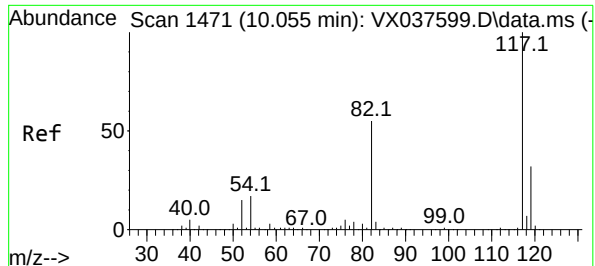
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#62
4-Bromofluorobenzene
Concen: 4.982 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037652.D
Acq: 11 Sep 2023 20:14

Tgt Ion: 95 Resp: 13865
Ion Ratio Lower Upper
95 100
174 76.3 0.0 135.6
176 73.9 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion:117 Resp: 26746

Ion Ratio Lower Upper

117 100

82 59.6 46.2 69.4

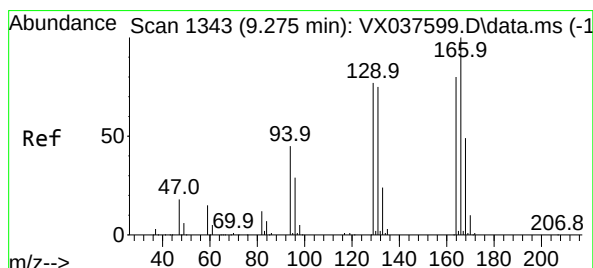
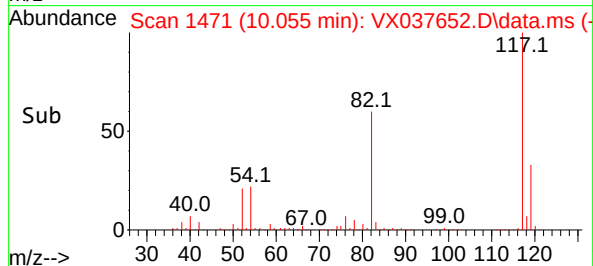
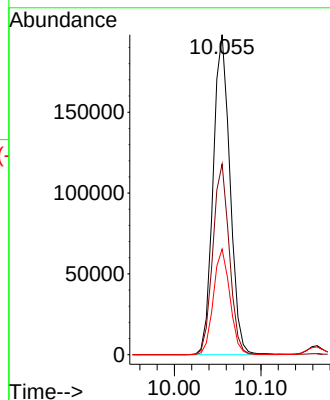
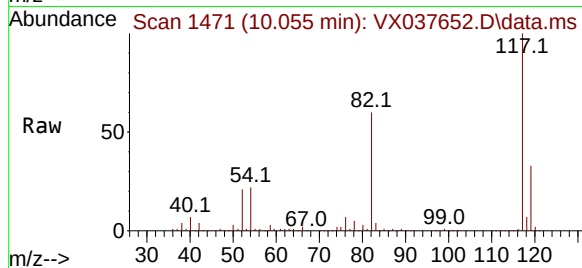
119 33.0 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#64

Tetrachloroethene

Concen: 5.208 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Tgt Ion:164 Resp: 8923

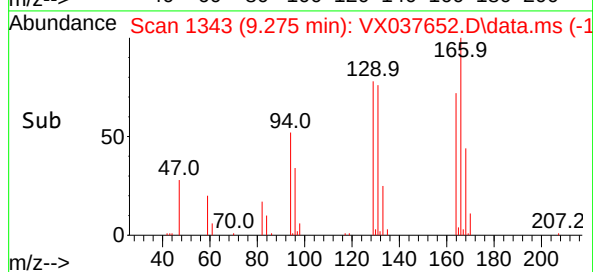
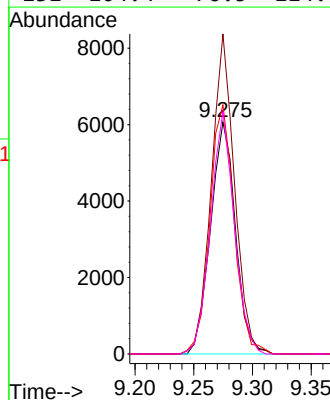
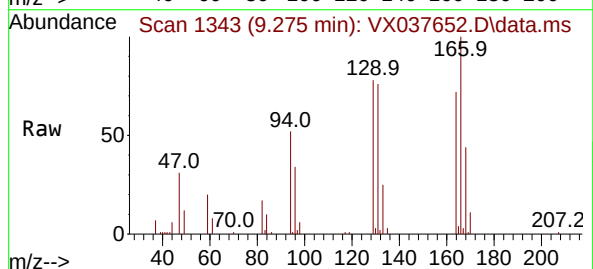
Ion Ratio Lower Upper

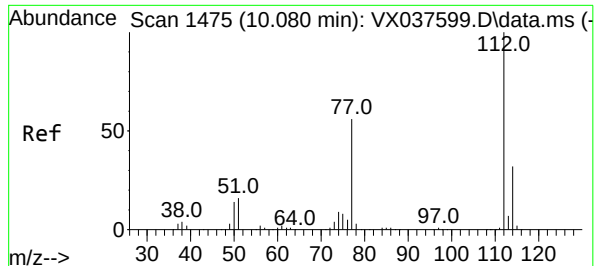
164 100

166 138.0 102.7 154.1

129 107.4 80.4 120.6

131 104.4 76.5 114.7





#65

Chlorobenzene

Concen: 5.182 ug/l

RT: 10.080 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:112 Resp: 29879

Ion Ratio Lower Upper

112 100

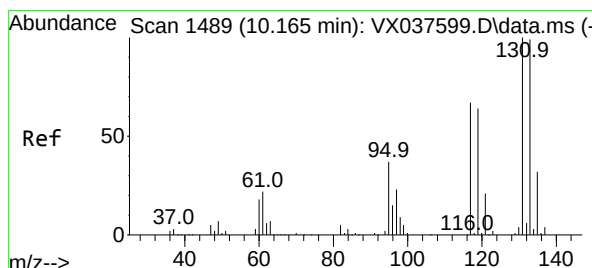
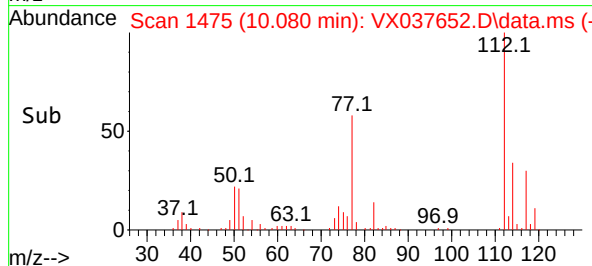
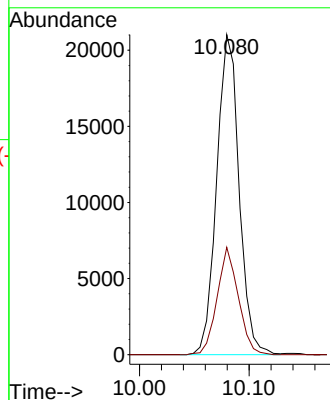
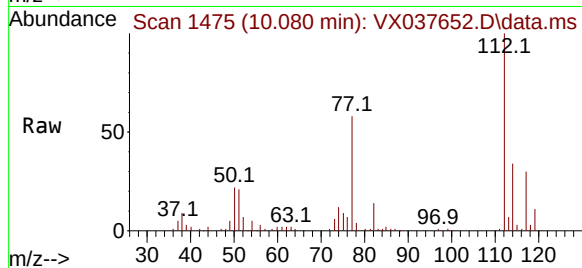
114 33.6 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#66

1,1,1,2-Tetrachloroethane

Concen: 4.709 ug/l

RT: 10.165 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

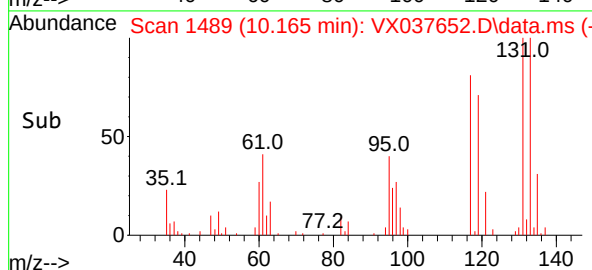
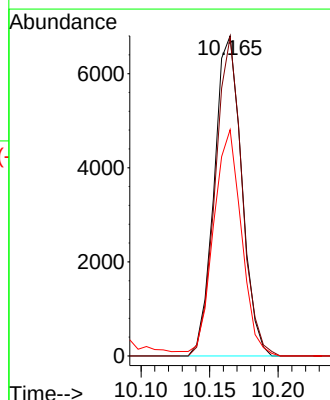
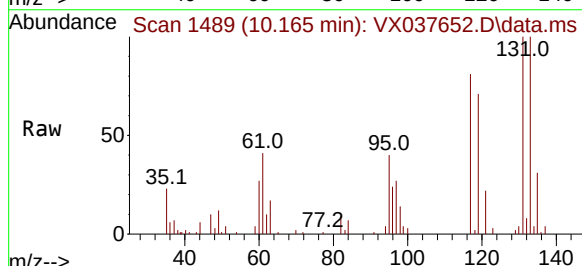
Tgt Ion:131 Resp: 9476

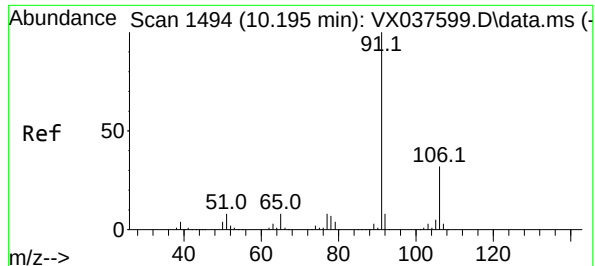
Ion Ratio Lower Upper

131 100

133 96.4 47.1 141.4

119 72.0 32.2 96.6





#67

Ethyl Benzene

Concen: 5.064 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. -0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 91 Resp: 51924

Ion Ratio Lower Upper

91 100

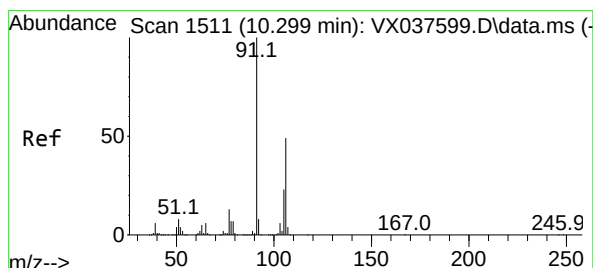
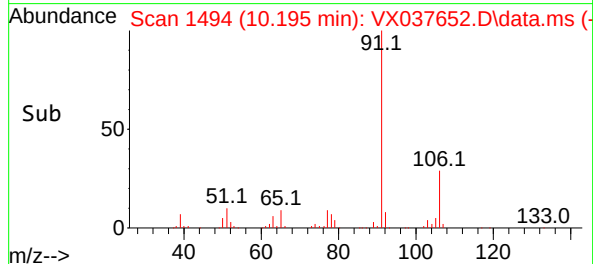
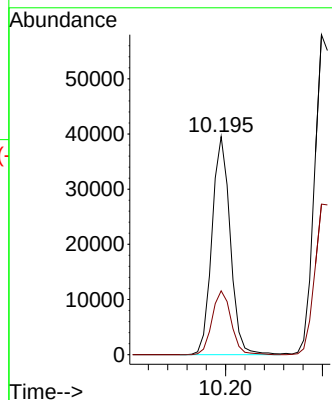
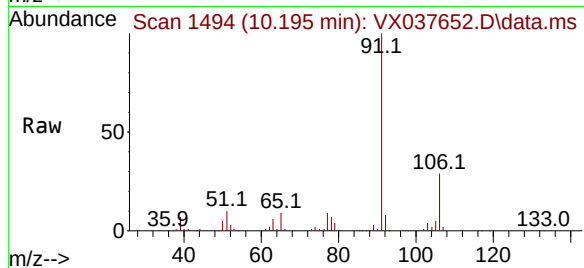
106 29.3 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#68

m/p-Xylenes

Concen: 9.925 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX037652.D

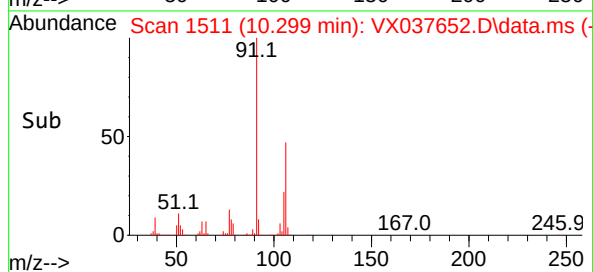
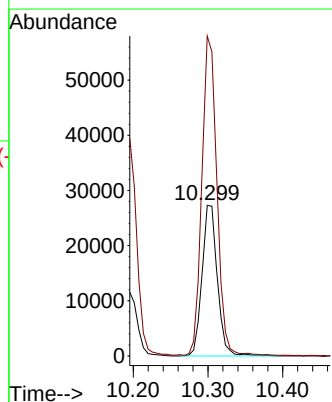
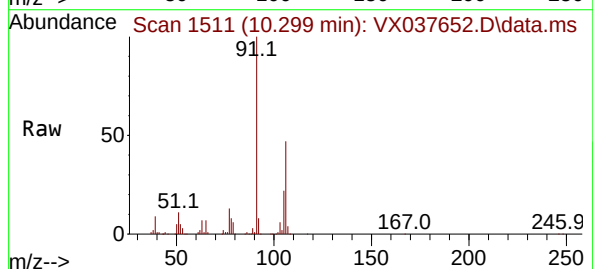
Acq: 11 Sep 2023 20:14

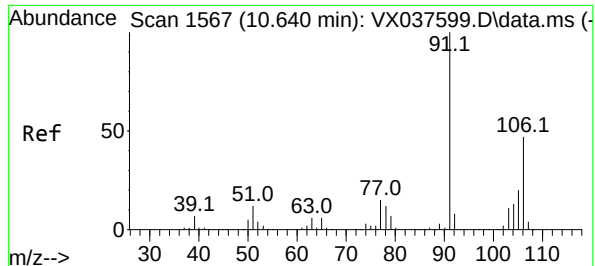
Tgt Ion:106 Resp: 38779

Ion Ratio Lower Upper

106 100

91 211.0 165.5 248.3





#69

o-Xylene

Concen: 4.980 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 1929

Ion Ratio Lower Upper

106 100

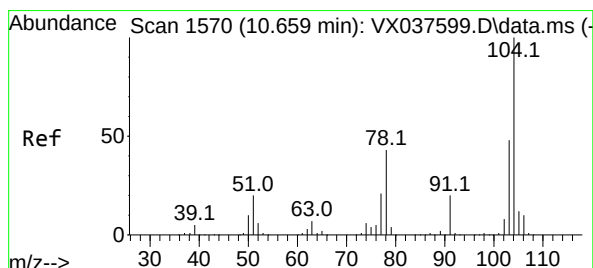
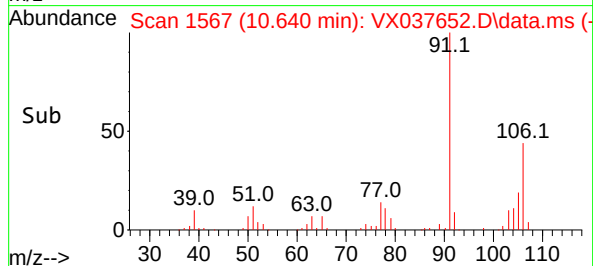
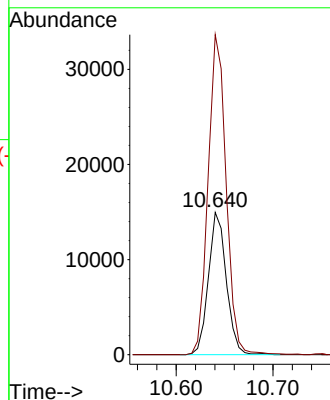
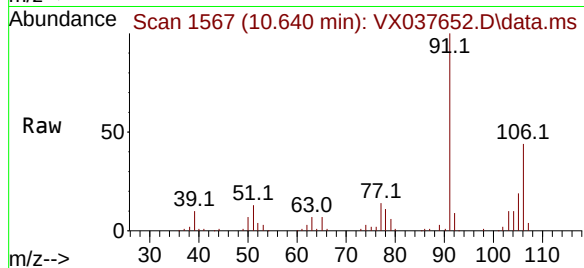
91 226.5 108.9 326.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#70

Styrene

Concen: 4.857 ug/l

RT: 10.659 min Scan# 1570

Delta R.T. -0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

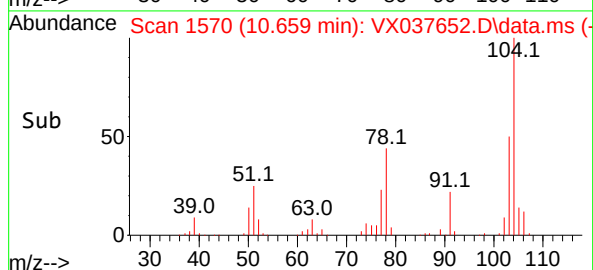
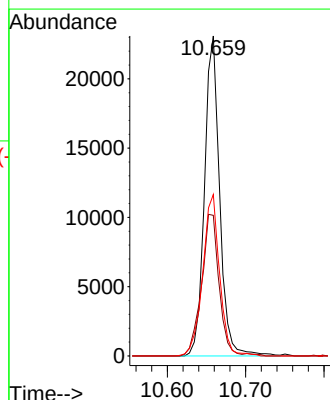
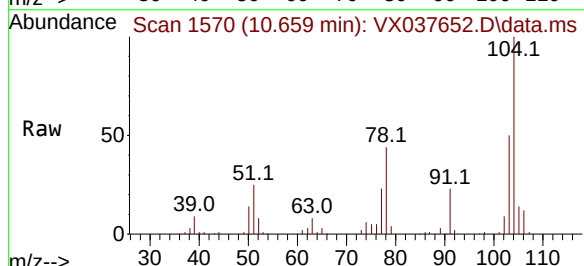
Tgt Ion:104 Resp: 31044

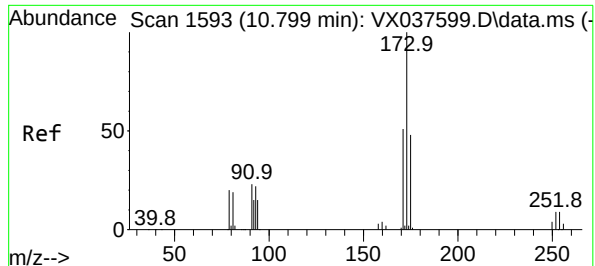
Ion Ratio Lower Upper

104 100

78 50.9 43.6 65.4

103 56.2 43.6 65.4





#71

Bromoform

Concen: 4.120 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:173 Resp: 6338

Ion Ratio Lower Upper

173 100

175 50.6 24.1 72.4

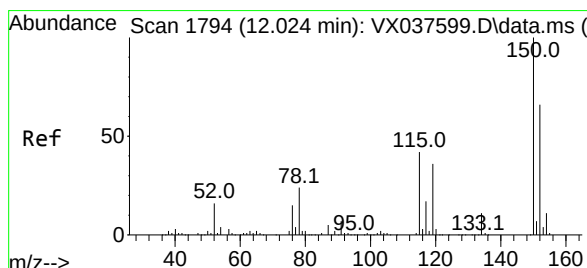
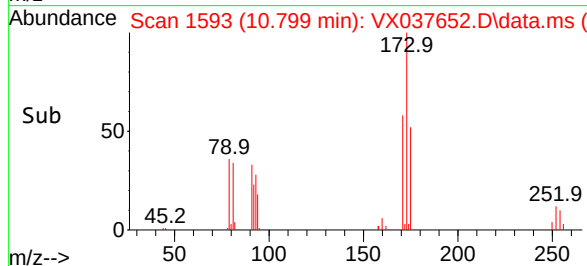
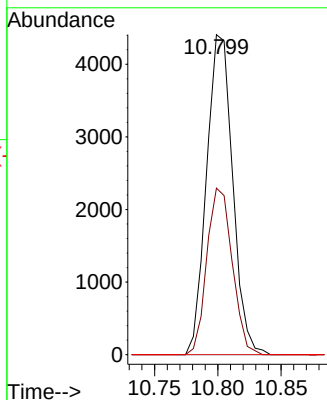
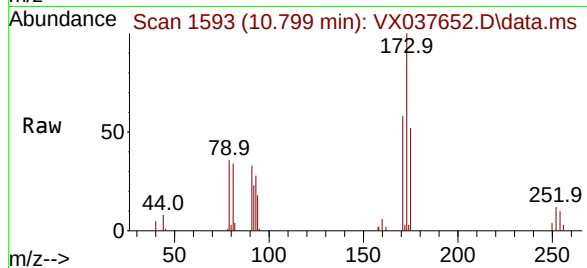
254 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

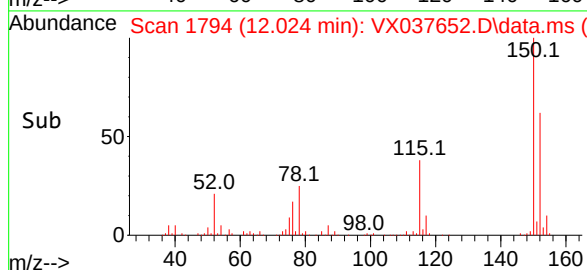
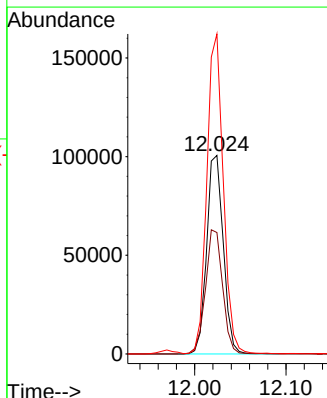
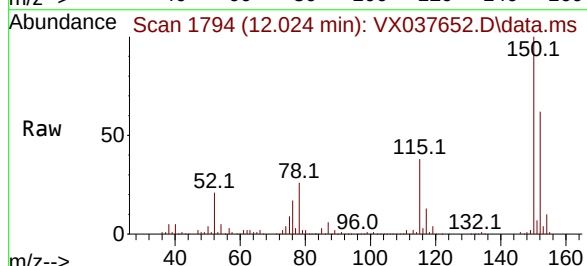
Tgt Ion:152 Resp: 127001

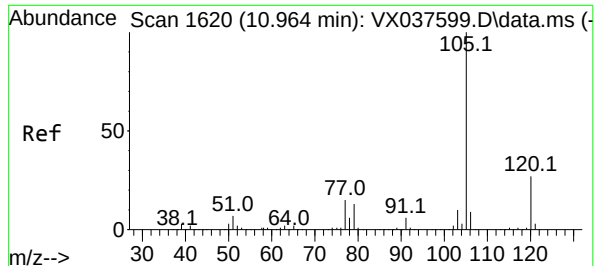
Ion Ratio Lower Upper

152 100

115 64.5 43.3 129.9

150 158.6 0.0 345.0





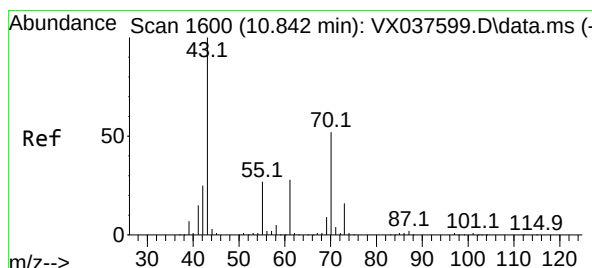
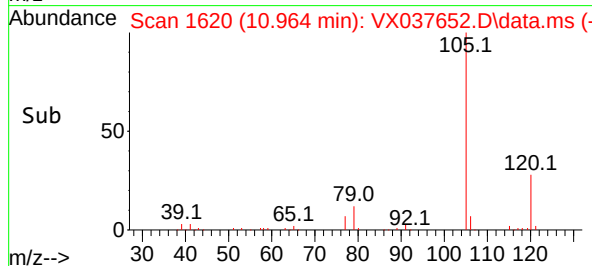
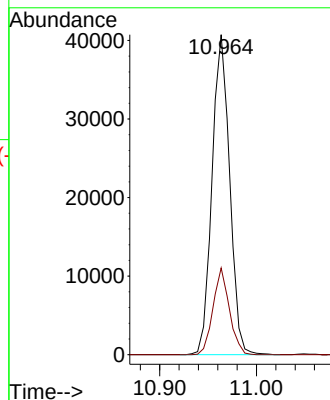
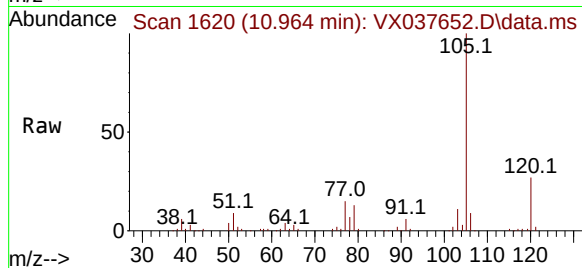
#73
Isopropylbenzene
Concen: 5.386 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX037652.D
Acq: 11 Sep 2023 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 105 Resp: 5147
Ion Ratio Lower Upper
105 100
120 25.1 12.9 38.6

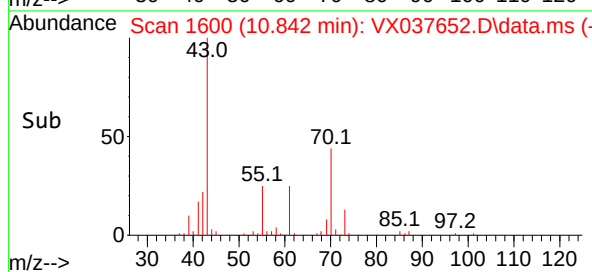
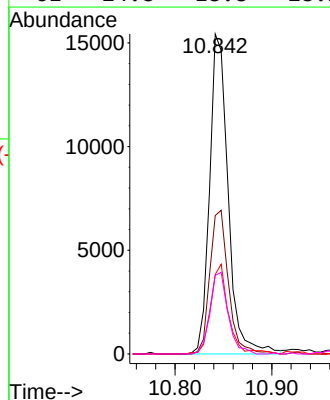
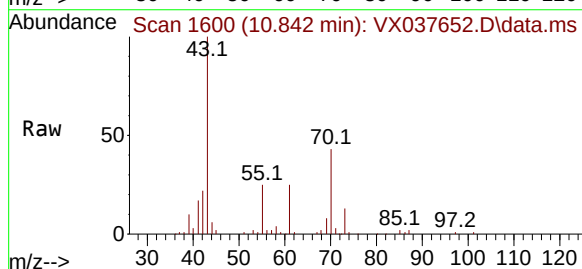
Manual Integrations
APPROVED

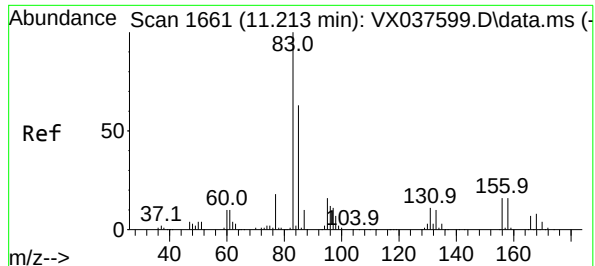
Reviewed By : John Carlone 09/12/2023
Supervised By : Mahesh Dadoda 09/12/2023



#74
N-ethyl acetate
Concen: 4.880 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX037652.D
Acq: 11 Sep 2023 20:14

Tgt Ion: 43 Resp: 20588
Ion Ratio Lower Upper
43 100
70 45.1 32.9 49.3
55 27.0 19.3 28.9
61 24.8 18.8 28.2





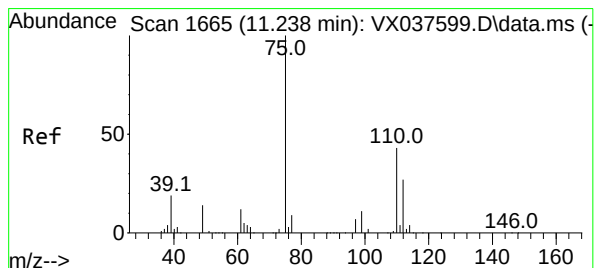
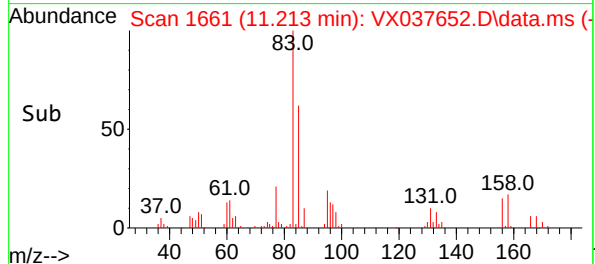
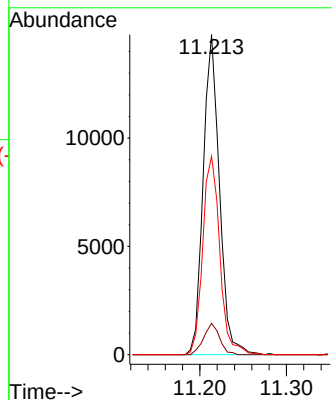
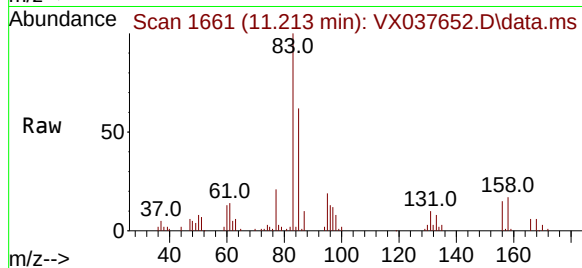
#75
1,1,2,2-Tetrachloroethane
Concen: 5.320 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX037652.D
Acq: 11 Sep 2023 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 19278
Ion Ratio Lower Upper
83 100
131 9.6 5.3 15.8
85 65.0 32.0 96.2

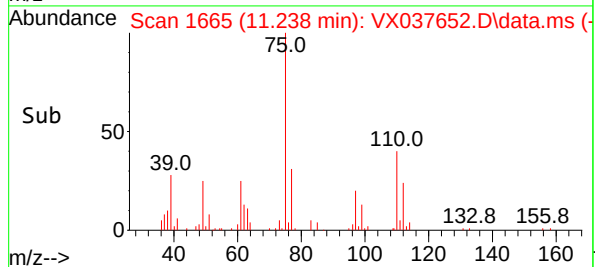
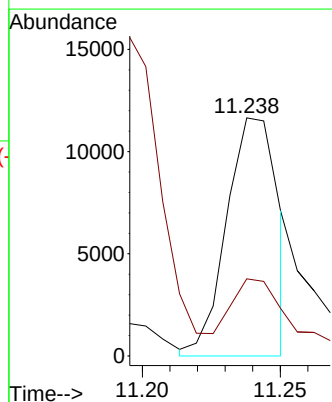
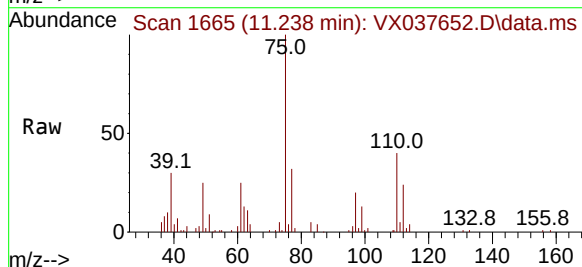
Manual Integrations
APPROVED

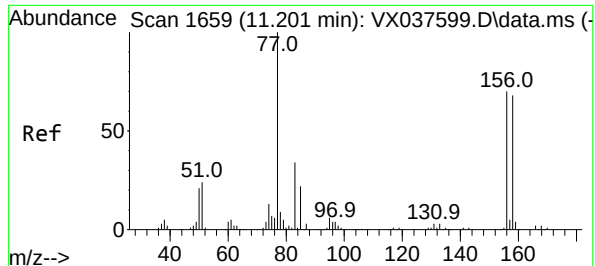
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#76
1,2,3-Trichloropropane
Concen: 5.249 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX037652.D
Acq: 11 Sep 2023 20:14

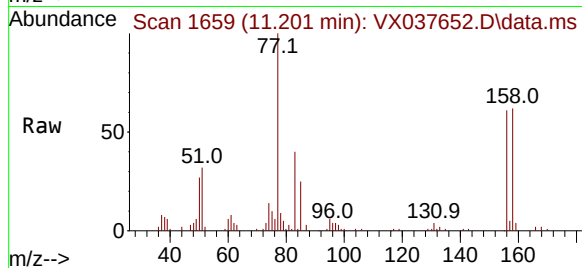
Tgt Ion: 75 Resp: 15069
Ion Ratio Lower Upper
75 100
77 38.4 19.1 57.5





#77
Bromobenzene
Concen: 5.030 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. -0.000 min
Lab File: VX037652.D
Acq: 11 Sep 2023 20:14

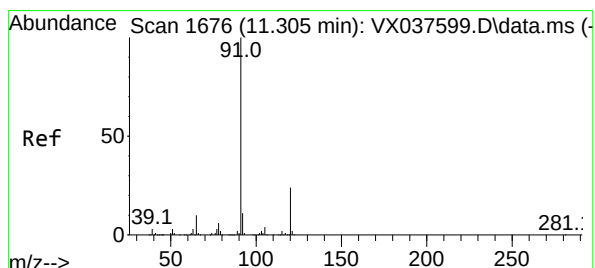
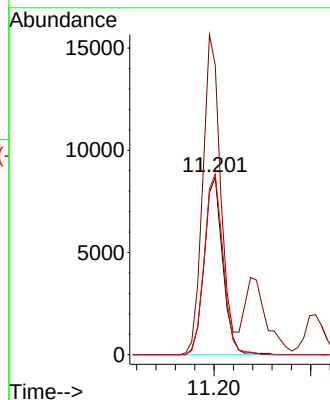
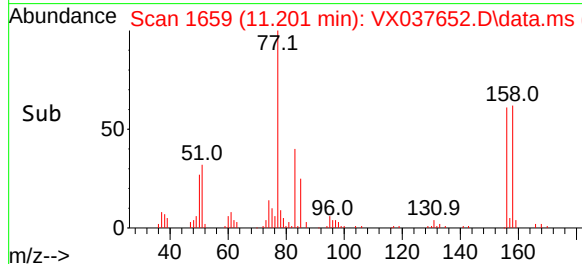
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



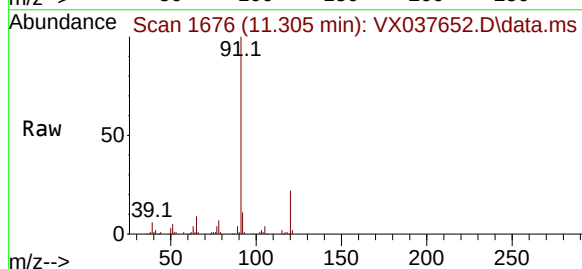
Tgt Ion:156 Resp: 1153
Ion Ratio Lower Upper
156 100
77 177.6 88.4 265.3
158 103.7 48.0 144.0

Manual Integrations
APPROVED

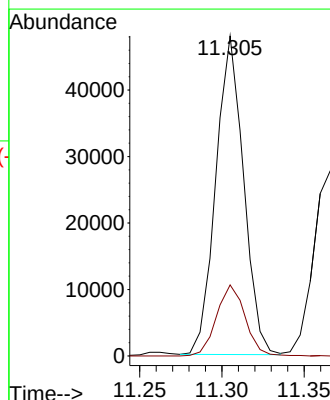
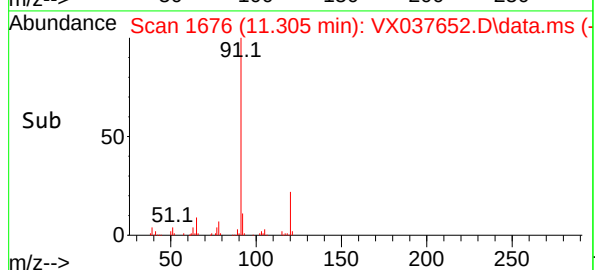
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

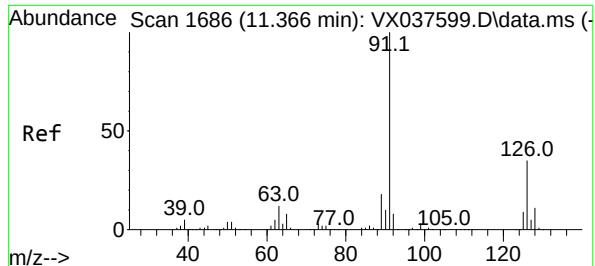


#78
n-propylbenzene
Concen: 5.101 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX037652.D
Acq: 11 Sep 2023 20:14



Tgt Ion: 91 Resp: 56268
Ion Ratio Lower Upper
91 100
120 23.0 11.5 34.4





#79

2-Chlorotoluene

Concen: 5.277 ug/l

RT: 11.366 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 3580

Ion Ratio Lower Upper

91 100

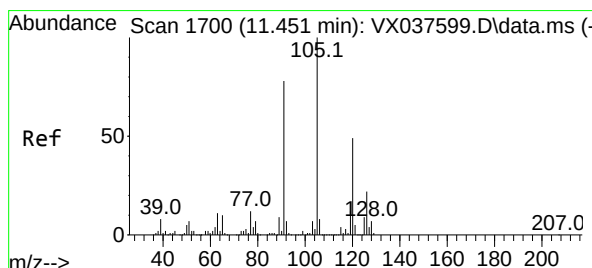
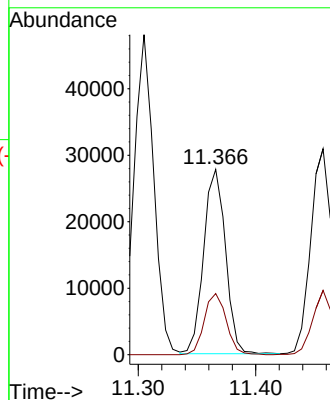
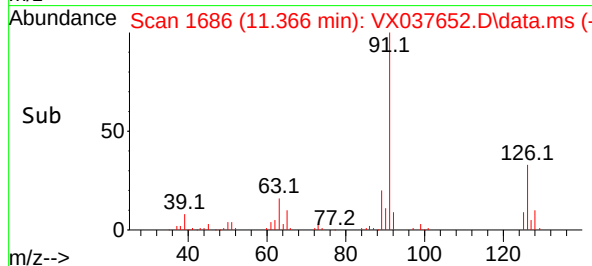
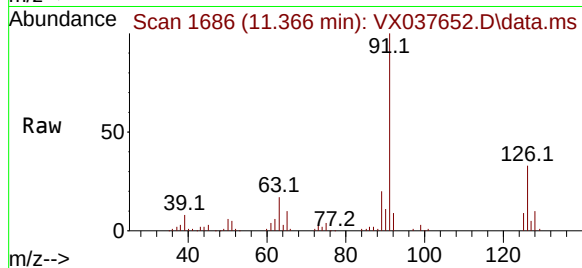
126 33.5 16.3 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#80

1,3,5-Trimethylbenzene

Concen: 5.117 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX037652.D

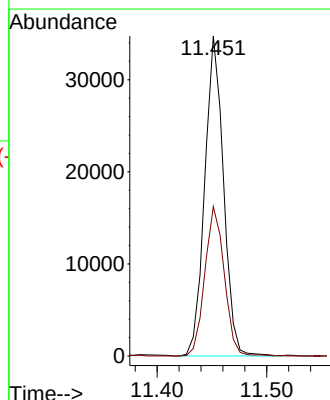
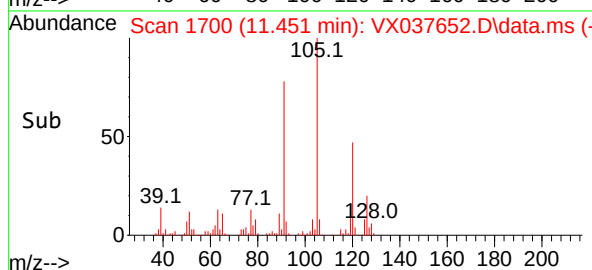
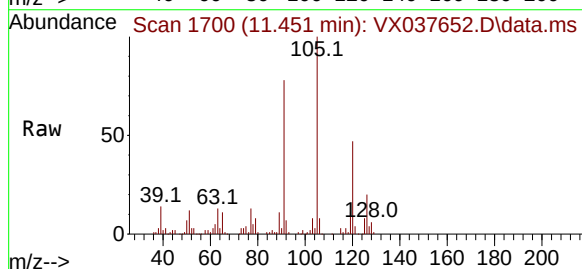
Acq: 11 Sep 2023 20:14

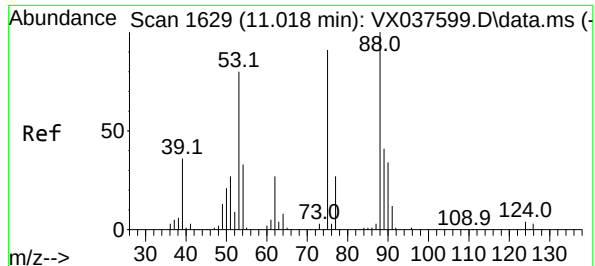
Tgt Ion:105 Resp: 41310

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.3





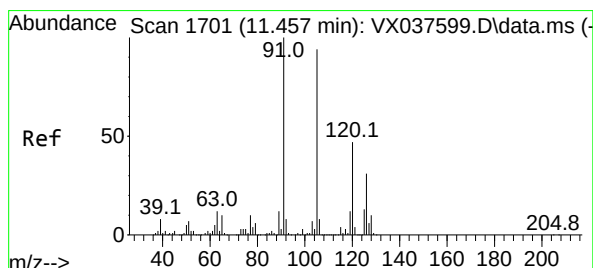
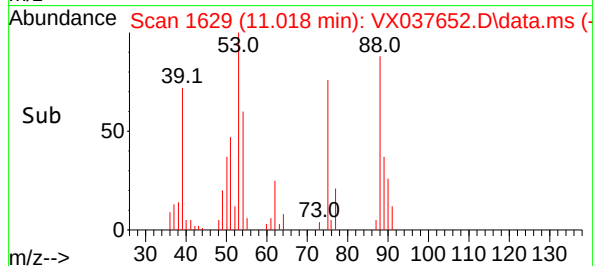
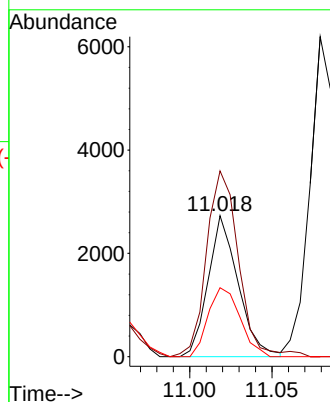
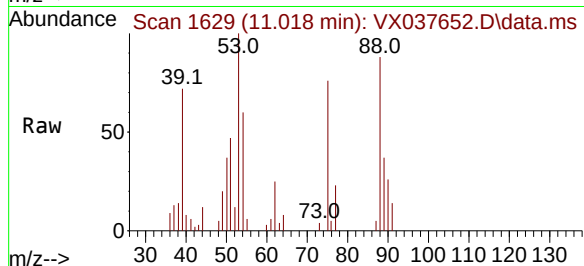
#81
trans-1,4-Dichloro-2-butene
Concen: 3.772 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX037652.D
Acq: 11 Sep 2023 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 346
Ion Ratio Lower Upper
75 100
53 140.3 90.5 135.7
89 52.1 36.9 55.3

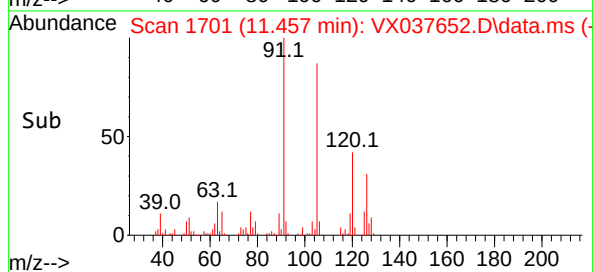
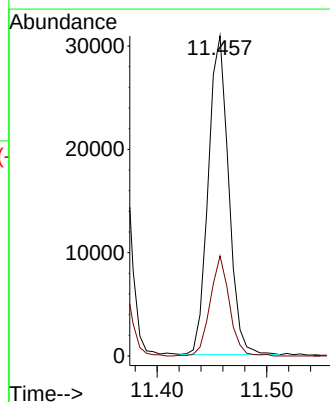
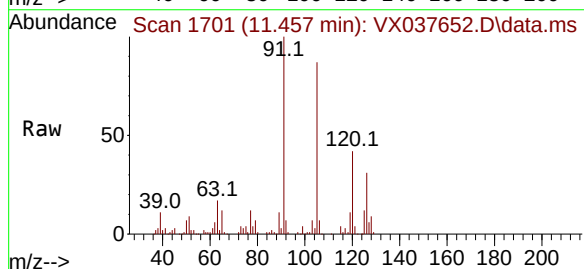
Manual Integrations
APPROVED

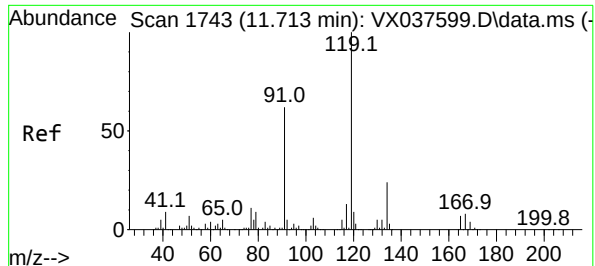
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#82
4-Chlorotoluene
Concen: 5.160 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX037652.D
Acq: 11 Sep 2023 20:14

Tgt Ion: 91 Resp: 39840
Ion Ratio Lower Upper
91 100
126 29.8 14.2 42.6





#83

tert-Butylbenzene

Concen: 5.064 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

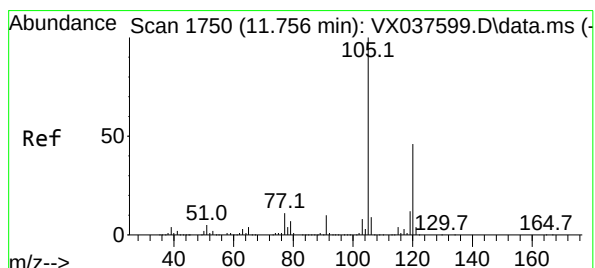
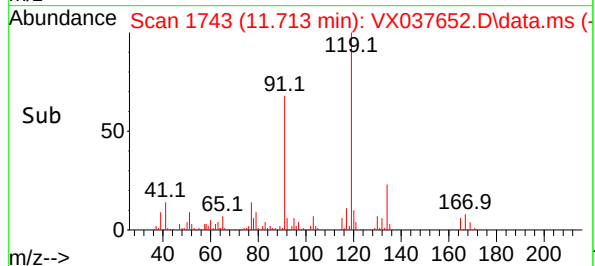
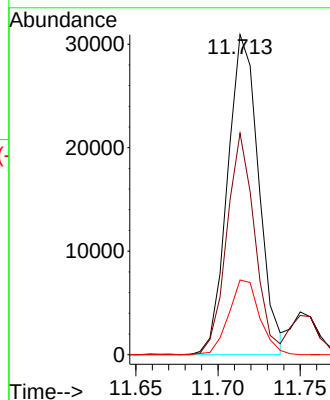
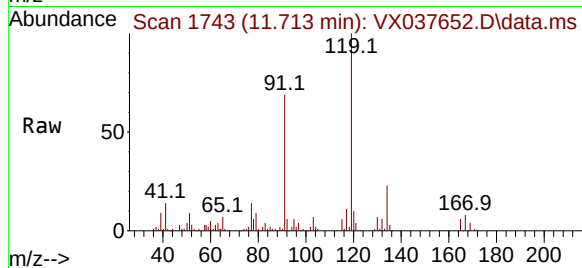
VSTDICC005

Tgt Ion:	119	Resp:	40764
Ion	Ratio	Lower	Upper
119	100		
91	62.3	31.2	93.6
134	23.2	11.7	35.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#84

1,2,4-Trimethylbenzene

Concen: 5.224 ug/l

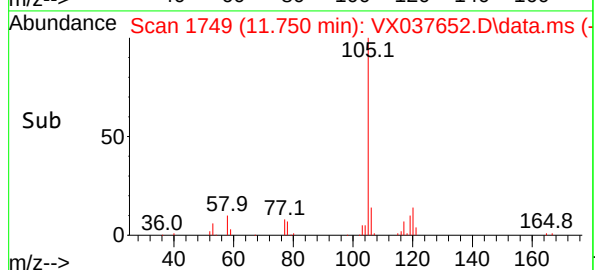
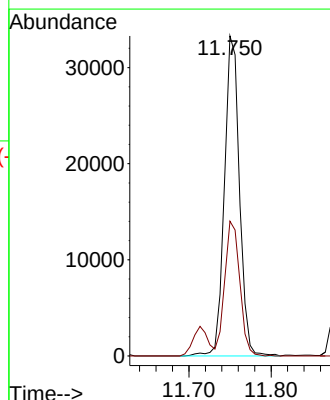
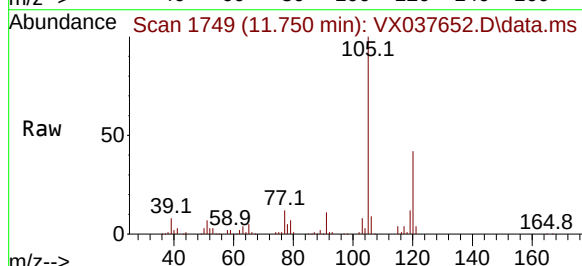
RT: 11.750 min Scan# 1749

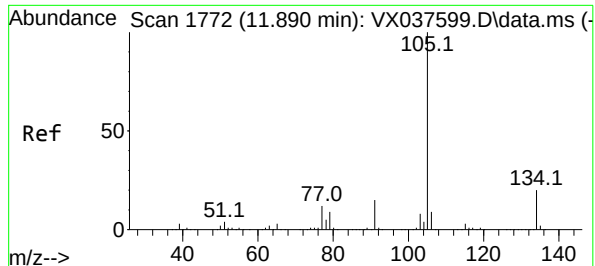
Delta R.T. -0.006 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Tgt Ion:	105	Resp:	42364
Ion	Ratio	Lower	Upper
105	100		
120	42.1	21.2	63.6





#85

sec-Butylbenzene

Concen: 5.110 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 50984

Ion Ratio Lower Upper

105 100

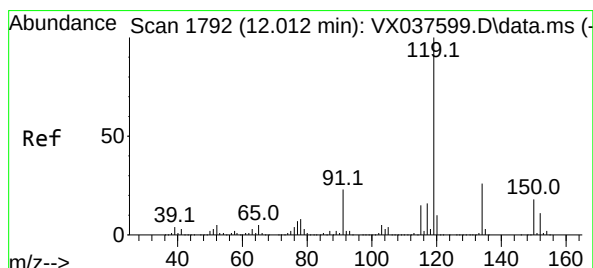
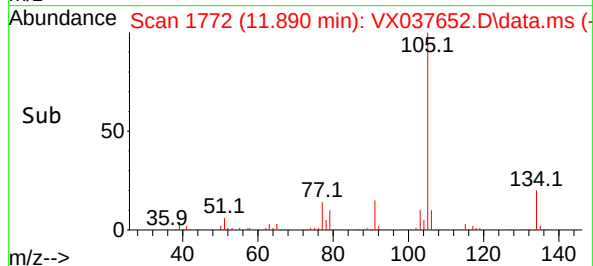
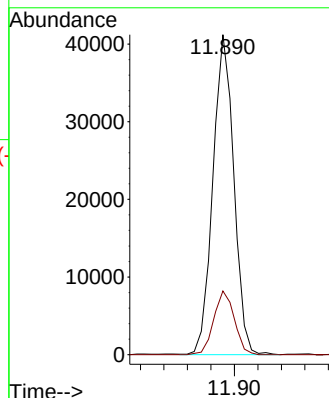
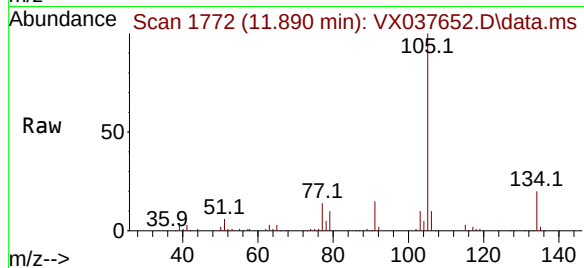
134 19.5 9.8 29.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#86

p-Isopropyltoluene

Concen: 4.953 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

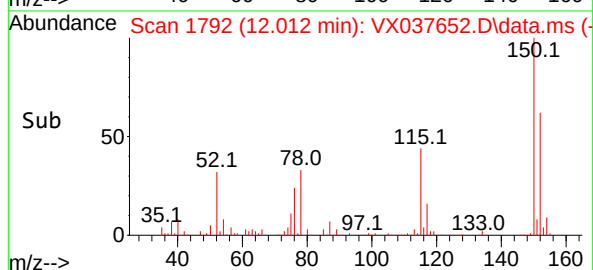
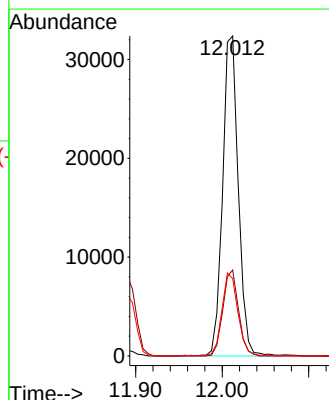
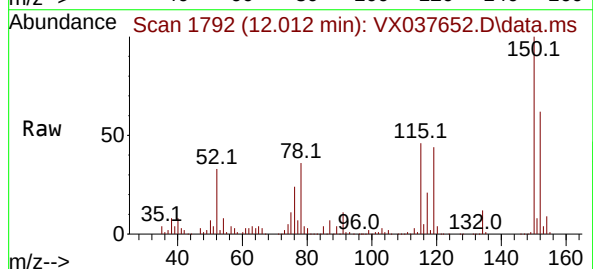
Tgt Ion:119 Resp: 40700

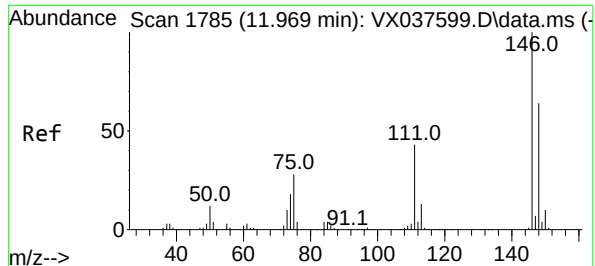
Ion Ratio Lower Upper

119 100

134 26.6 12.8 38.3

91 26.5 13.1 39.3





#87

1,3-Dichlorobenzene

Concen: 5.239 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

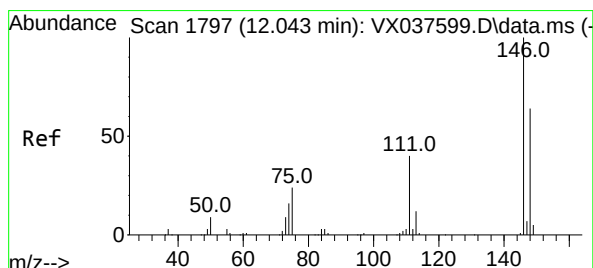
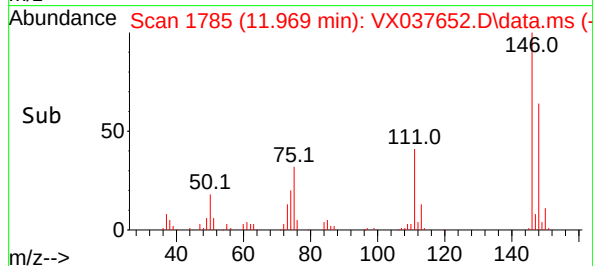
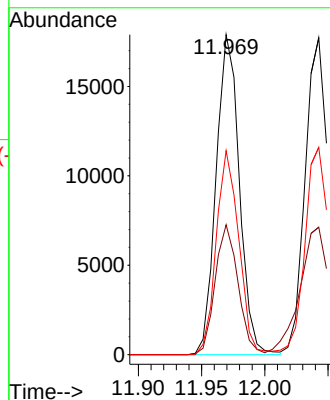
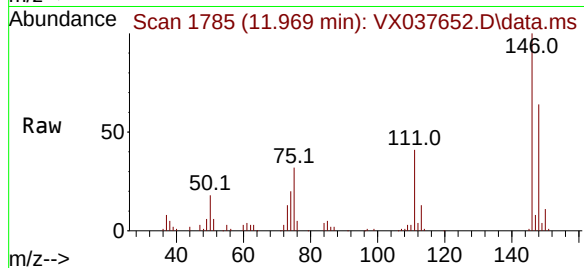
VSTDIC005

Tgt Ion:146	Resp:	22834
Ion Ratio	Lower	Upper
146	100	
111	40.1	22.1 66.1
148	62.0	31.8 95.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#88

1,4-Dichlorobenzene

Concen: 5.177 ug/l

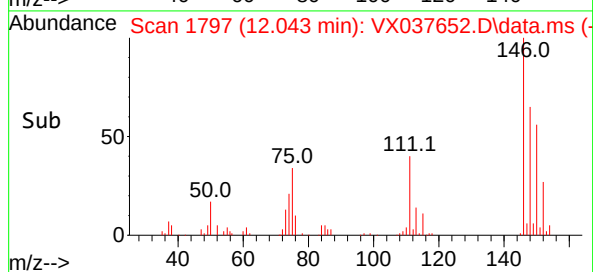
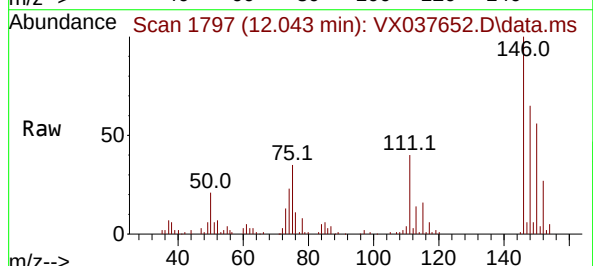
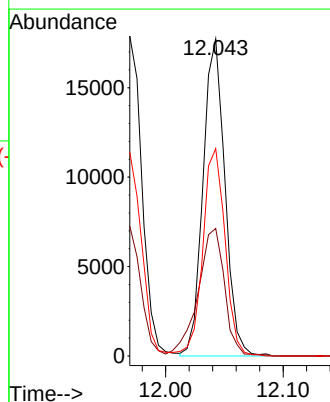
RT: 12.043 min Scan# 1797

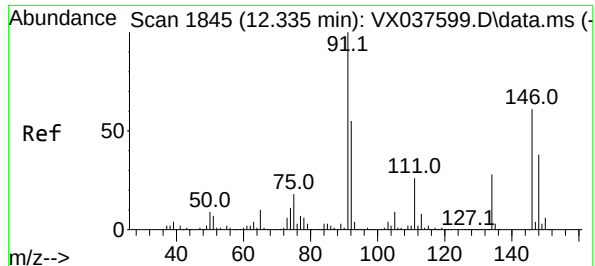
Delta R.T. -0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Tgt Ion:146	Resp:	22971
Ion Ratio	Lower	Upper
146	100	
111	48.8	21.3 63.7
148	66.6	31.8 95.4





#89

n-Butylbenzene

Concen: 4.919 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 3618

Ion Ratio Lower Upper

91 100

92 49.7 27.4 82.0

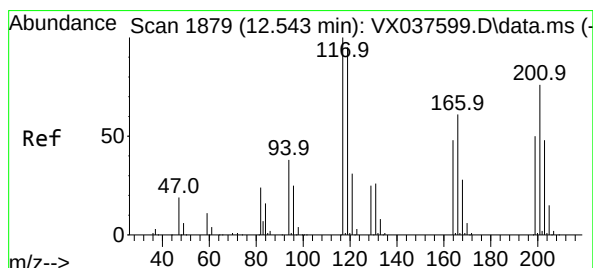
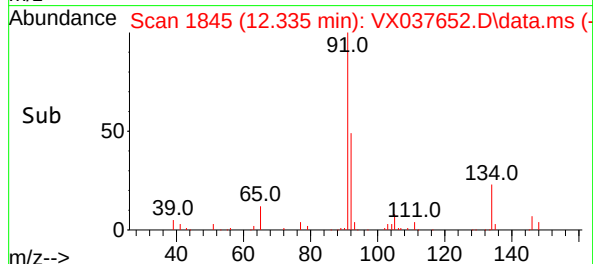
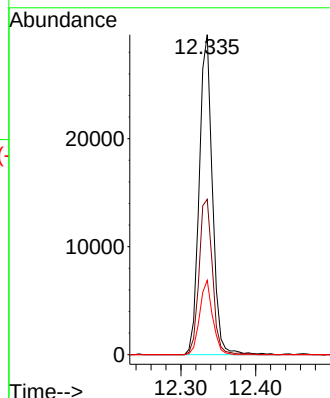
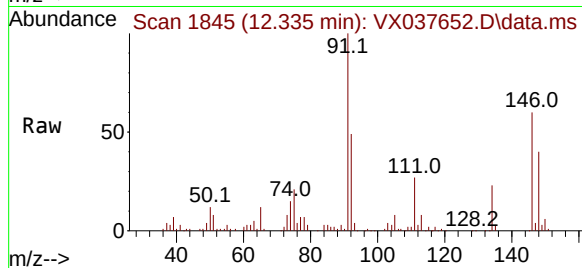
134 22.8 12.6 37.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#90

Hexachloroethane

Concen: 4.573 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.006 min

Lab File: VX037652.D

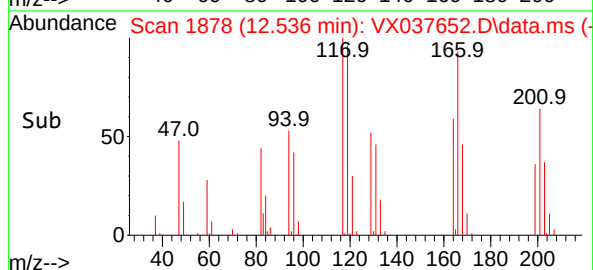
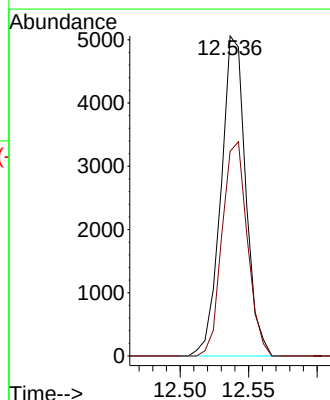
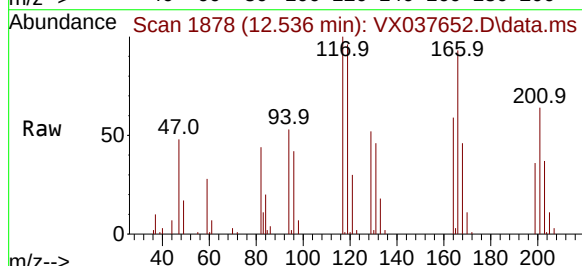
Acq: 11 Sep 2023 20:14

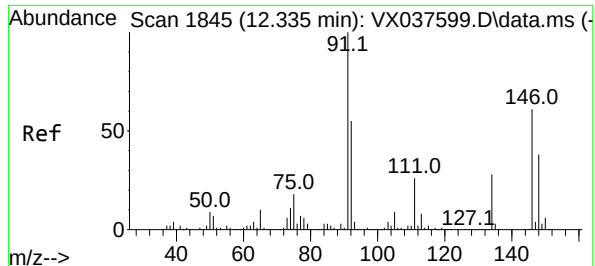
Tgt Ion:117 Resp: 6353

Ion Ratio Lower Upper

117 100

201 68.2 32.9 98.6





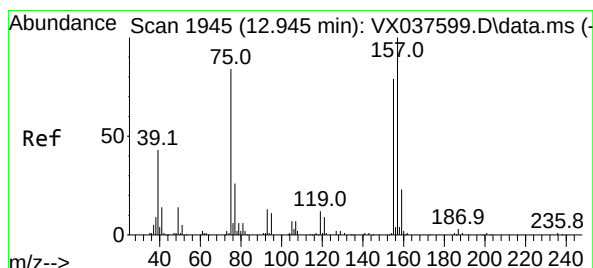
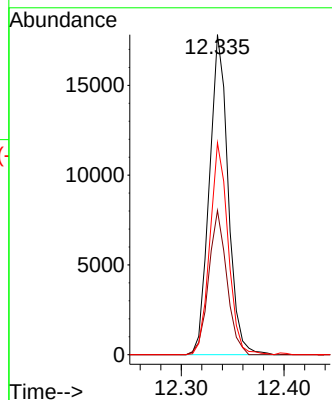
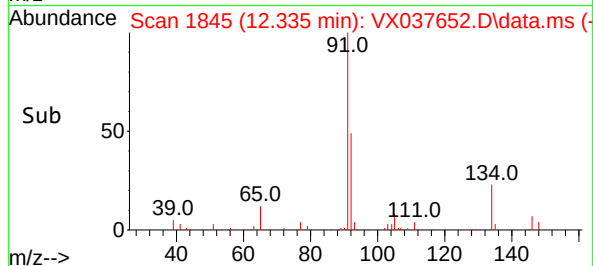
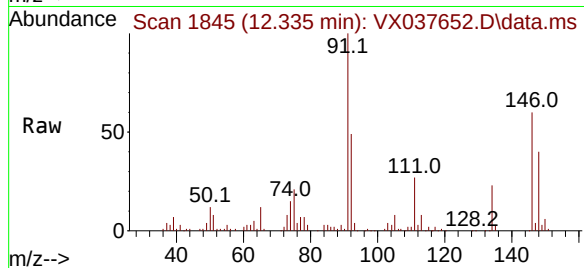
#91
1,2-Dichlorobenzene
Concen: 5.085 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX037652.D
Acq: 11 Sep 2023 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:146 Resp: 2253
Ion Ratio Lower Upper
146 100
111 43.8 22.4 67.0
148 64.4 31.6 95.0

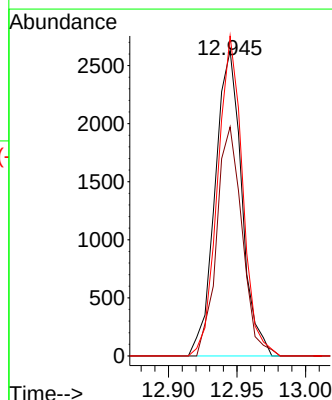
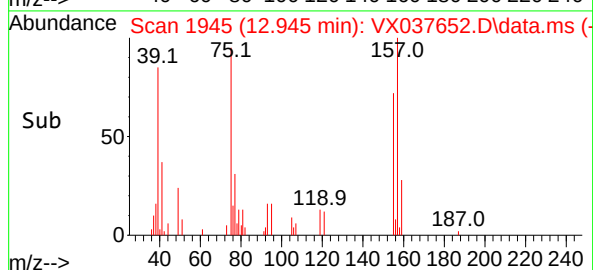
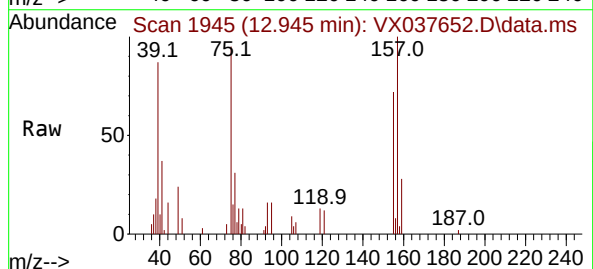
Manual Integrations
APPROVED

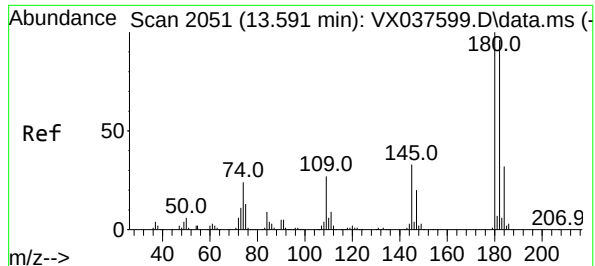
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.668 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.000 min
Lab File: VX037652.D
Acq: 11 Sep 2023 20:14

Tgt Ion: 75 Resp: 3553
Ion Ratio Lower Upper
75 100
155 71.7 36.1 108.5
157 97.9 44.9 134.7





#93

1,2,4-Trichlorobenzene

Concen: 4.816 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. -0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Instrument :

MSVOA_X

ClientSampleId :

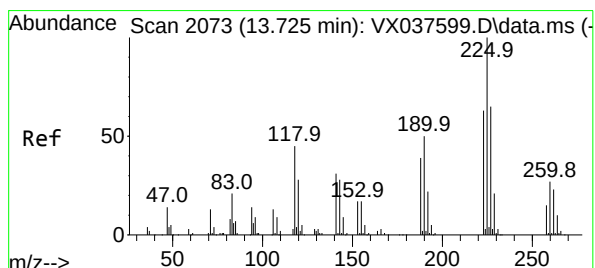
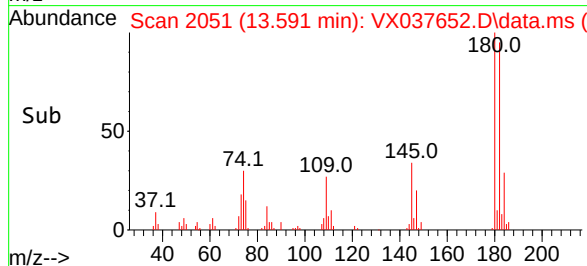
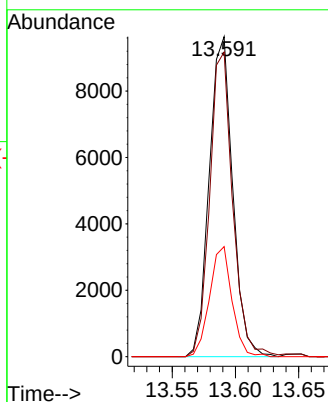
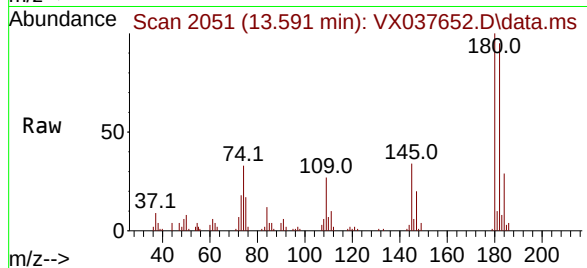
VSTDICC005

Tgt Ion:	180	Resp:	1239
Ion Ratio	Lower	Upper	
180	100		
182	94.1	48.3	144.8
145	33.0	18.0	54.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#94

Hexachlorobutadiene

Concen: 4.899 ug/l

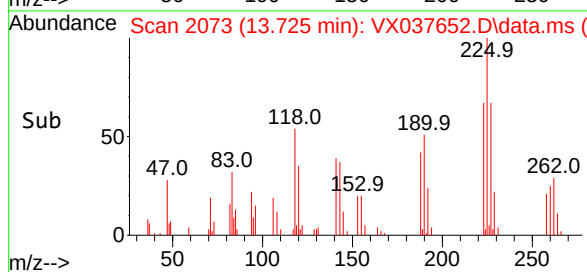
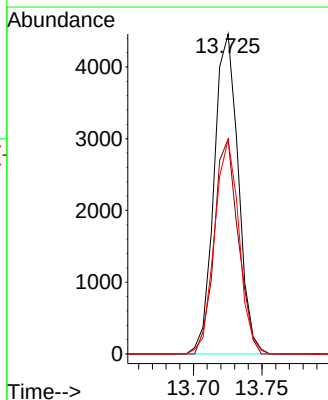
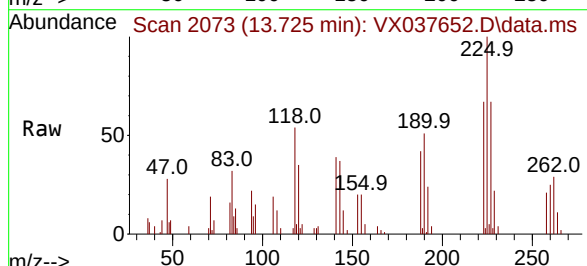
RT: 13.725 min Scan# 2073

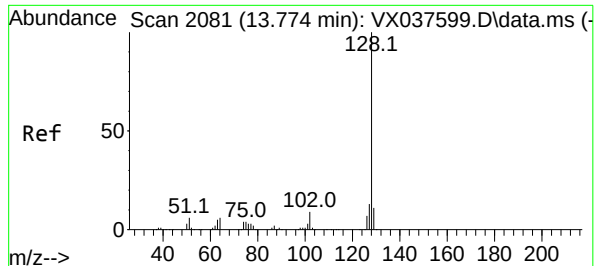
Delta R.T. 0.000 min

Lab File: VX037652.D

Acq: 11 Sep 2023 20:14

Tgt Ion:	225	Resp:	5465
Ion Ratio	Lower	Upper	
225	100		
223	66.6	31.1	93.2
227	67.6	32.5	97.5





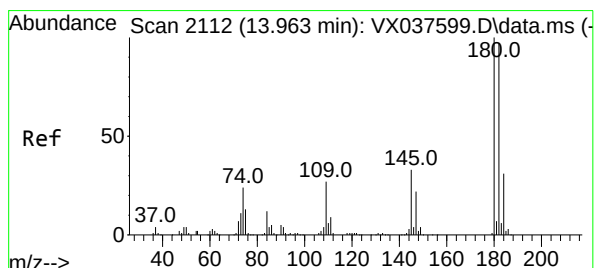
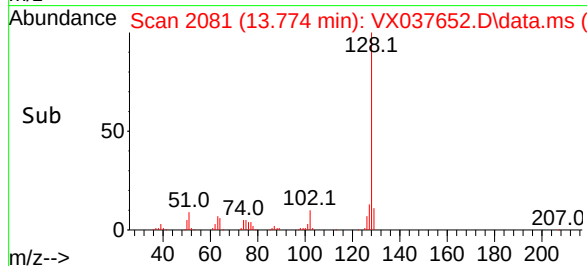
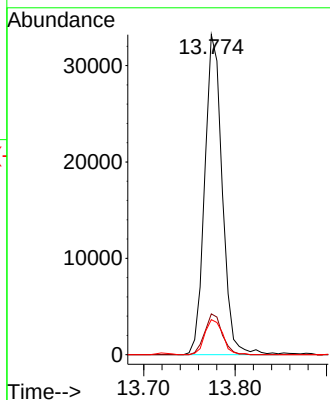
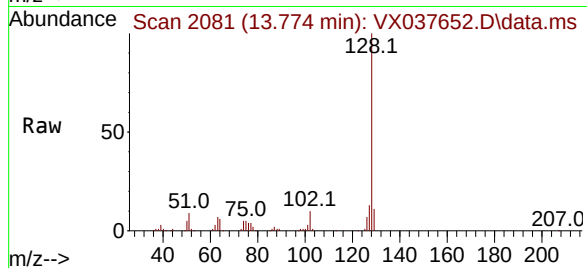
#95
Naphthalene
Concen: 4.744 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX037652.D
Acq: 11 Sep 2023 20:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 4420
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 11.2 8.8 13.2

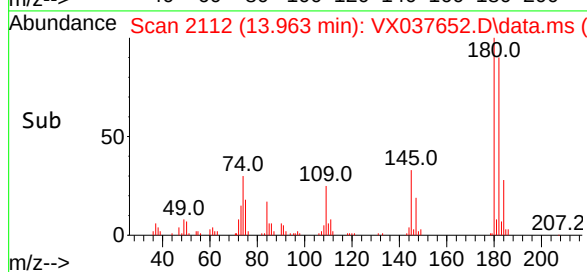
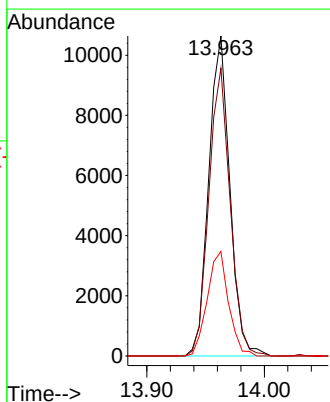
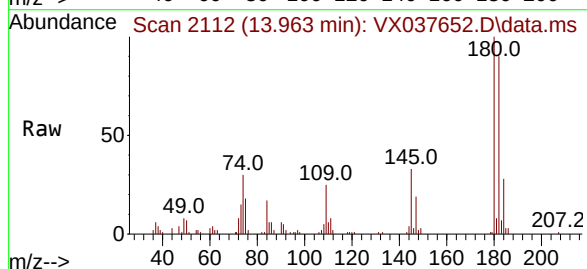
Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#96
1,2,3-Trichlorobenzene
Concen: 4.991 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX037652.D
Acq: 11 Sep 2023 20:14

Tgt Ion:180 Resp: 13247
Ion Ratio Lower Upper
180 100
182 91.0 46.9 140.6
145 33.2 17.8 53.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091123\
 Data File : VX037653.D
 Acq On : 11 Sep 2023 20:38
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Quant Time: Sep 12 09:59:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 09:13:03 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/12/2023
 Supervised By : Mahesh Dadoda 09/12/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	156478	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	288640	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	263828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	116562	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	78 - 117	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	92 - 112	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	1908	1.140	ug/l	100
3) Chloromethane	1.301	50	2365	1.205	ug/l	94
4) Vinyl Chloride	1.374	62	2642	1.223	ug/l	96
6) Chloroethane	1.685	64	1838m	1.252	ug/l	
7) Trichlorofluoromethane	1.886	101	3861	1.054	ug/l	97
8) Diethyl Ether	2.136	74	1454	0.982	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.325	101	1855	1.145	ug/l	98
12) 1,1-Dichloroethene	2.325	96	1840	1.156	ug/l #	58
14) Allyl chloride	2.666	41	3121	1.102	ug/l	96
15) Acrylonitrile	3.069	53	5658	4.752	ug/l	94
16) Acetone	2.380	43	5763	5.507	ug/l #	79
17) Carbon Disulfide	2.508	76	4842	1.180	ug/l #	93
18) Methyl Acetate	2.709	43	4460	1.017	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	6346	0.988	ug/l #	89
20) Methylene Chloride	2.794	84	3434	0.434	ug/l #	81
21) trans-1,2-Dichloroethene	3.087	96	1931	1.023	ug/l #	71
22) Diisopropyl ether	3.764	45	6039	0.977	ug/l #	77
23) Vinyl Acetate	3.733	43	19364	4.270	ug/l	97
24) 1,1-Dichloroethane	3.611	63	3627	1.003	ug/l	96
25) 2-Butanone	4.574	43	9007	5.360	ug/l #	89
26) 2,2-Dichloropropane	4.483	77	2293	0.916	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	2290	1.015	ug/l	94
28) Bromochloromethane	4.904	49	1862	1.015	ug/l #	90
29) Tetrahydrofuran	5.032	42	5255	4.848	ug/l #	83
30) Chloroform	5.093	83	3816	0.973	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	2947	0.895	ug/l #	52
36) 1,1-Dichloropropene	5.696	75	3018	1.070	ug/l	99
37) Ethyl Acetate	4.727	43	2665m	0.819	ug/l	
38) Carbon Tetrachloride	5.678	117	2870	1.019	ug/l	88
39) Methylcyclohexane	7.379	83	3325	1.002	ug/l	92
40) Benzene	6.044	78	8005	0.933	ug/l	94
41) Methacrylonitrile	4.940	41	1457	0.843	ug/l #	87
42) 1,2-Dichloroethane	6.098	62	3342	1.005	ug/l	90
43) Isopropyl Acetate	6.348	43	4385	0.853	ug/l #	97
44) Trichloroethene	7.129	130	2223	1.062	ug/l	96
45) 1,2-Dichloropropane	7.434	63	2045	0.908	ug/l #	87

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091123\
 Data File : VX037653.D
 Acq On : 11 Sep 2023 20:38
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023

Quant Time: Sep 12 09:59:11 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M

Quant Title : SW846 8260

QLast Update : Tue Sep 12 09:13:03 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.586	93	1541	0.938	ug/l	96
47) Bromodichloromethane	7.830	83	2488	0.845	ug/l	94
48) Methyl methacrylate	7.708	41	2225	0.886	ug/l	90
49) 1,4-Dioxane	7.671	88	1169	18.683	ug/l #	95
51) 4-Methyl-2-Pentanone	8.574	43	14455	4.262	ug/l	97
52) Toluene	8.720	92	5190	0.956	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	2190	0.736	ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	2687	0.828	ug/l #	79
55) 1,1,2-Trichloroethane	9.153	97	2066	0.885	ug/l	91
56) Ethyl methacrylate	9.116	69	2854	0.814	ug/l #	88
57) 1,3-Dichloropropane	9.311	76	3753	0.966	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	8064	4.763	ug/l	97
59) 2-Hexanone	9.439	43	10982	4.222	ug/l	99
60) Dibromochloromethane	9.525	129	1775	0.783	ug/l	95
61) 1,2-Dibromoethane	9.616	107	2254	0.916	ug/l	98
64) Tetrachloroethene	9.275	164	1915	1.133	ug/l	87
65) Chlorobenzene	10.079	112	5626	0.989	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	1607	0.810	ug/l #	66
67) Ethyl Benzene	10.195	91	9538	0.943	ug/l	95
68) m/p-Xylenes	10.299	106	7114	1.846	ug/l	98
69) o-Xylene	10.646	106	3606	0.944	ug/l	97
70) Styrene	10.659	104	5230	0.830	ug/l	98
71) Bromoform	10.805	173	1216	0.801	ug/l #	95
73) Isopropylbenzene	10.963	105	8785	1.001	ug/l	99
74) N-amyl acetate	10.848	43	3509	0.906	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	3211	0.965	ug/l	94
76) 1,2,3-Trichloropropane	11.244	75	2655m	1.008	ug/l	
77) Bromobenzene	11.201	156	2105	1.000	ug/l	100
78) n-propylbenzene	11.305	91	9910	0.979	ug/l	99
79) 2-Chlorotoluene	11.366	91	6518	1.047	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	6959	0.939	ug/l	100
82) 4-Chlorotoluene	11.457	91	7261	1.025	ug/l	96
83) tert-Butylbenzene	11.713	119	7152	0.968	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	7002	0.941	ug/l	98
85) sec-Butylbenzene	11.890	105	8764	0.957	ug/l	100
86) p-Isopropyltoluene	12.012	119	6847	0.908	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	4171	1.043	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	4511m	1.108	ug/l	
89) n-Butylbenzene	12.335	91	6131	0.908	ug/l	95
90) Hexachloroethane	12.536	117	1044	0.819	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	3884	0.955	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	526	0.753	ug/l	78
93) 1,2,4-Trichlorobenzene	13.591	180	2327	0.985	ug/l	95
94) Hexachlorobutadiene	13.719	225	881	0.860	ug/l	81
95) Naphthalene	13.780	128	8071	0.944	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	2445	1.004	ug/l	96

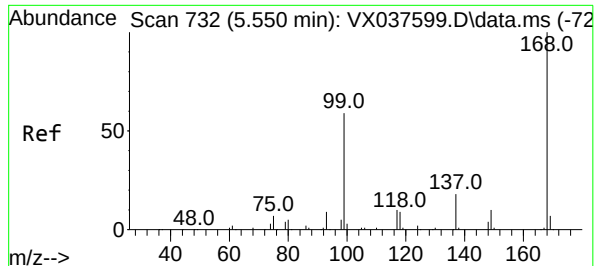
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations

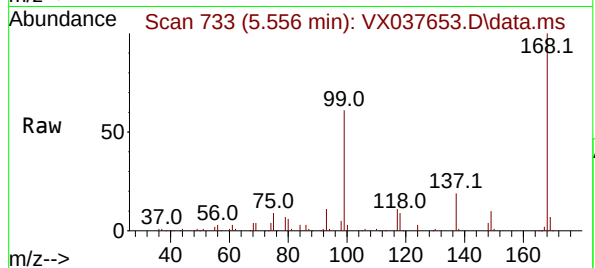
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037653.D
Acq: 11 Sep 2023 20:38

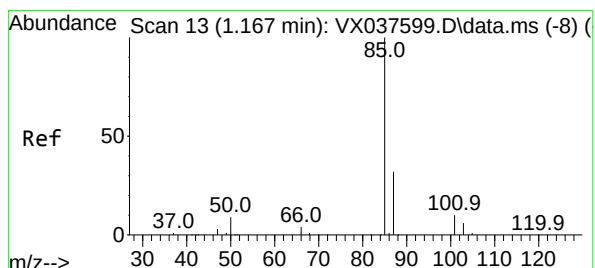
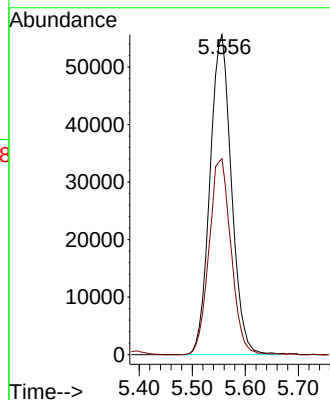
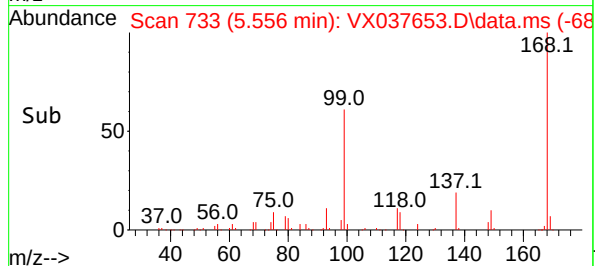
Instrument :
MSVOA_X
Client Sample Id :
VSTDICC001



Tgt Ion: 168 Resp: 156478
Ion Ratio Lower Upper
168 100
99 61.2 56.6 85.0

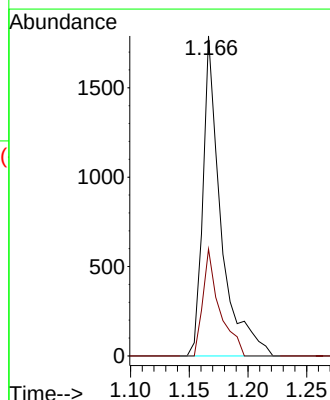
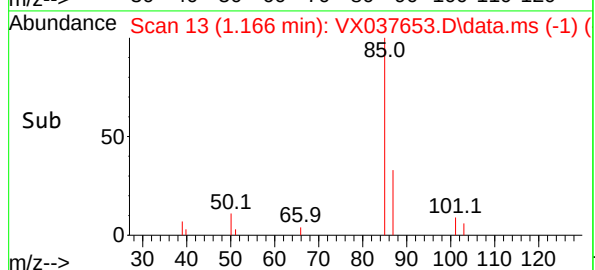
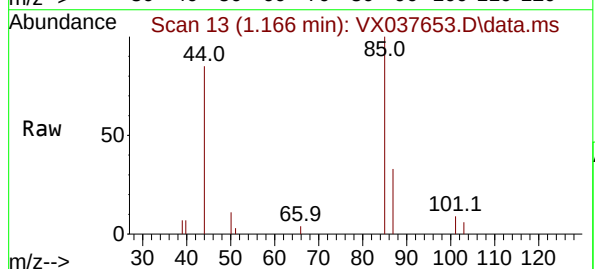
Manual Integrations
APPROVED

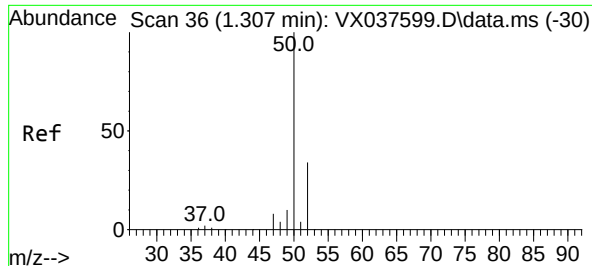
Reviewed By : John Carlone 09/12/2023
Supervised By : Mahesh Dadoda 09/12/2023



#2
Dichlorodifluoromethane
Concen: 1.140 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX037653.D
Acq: 11 Sep 2023 20:38

Tgt Ion: 85 Resp: 1908
Ion Ratio Lower Upper
85 100
87 33.4 16.7 50.1





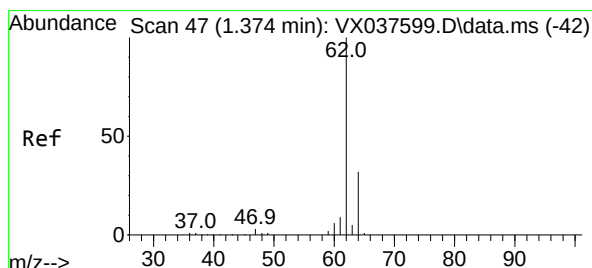
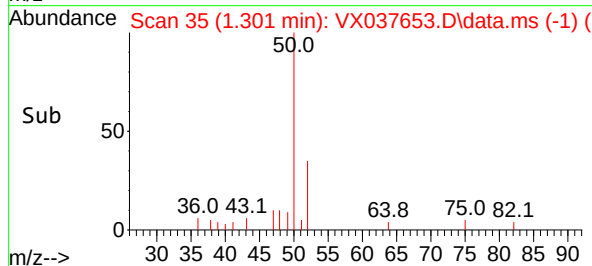
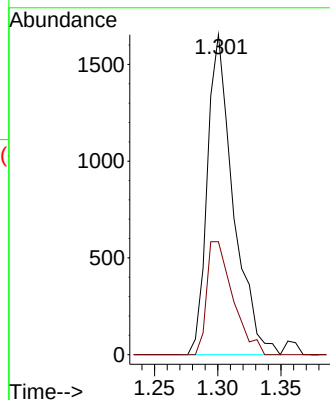
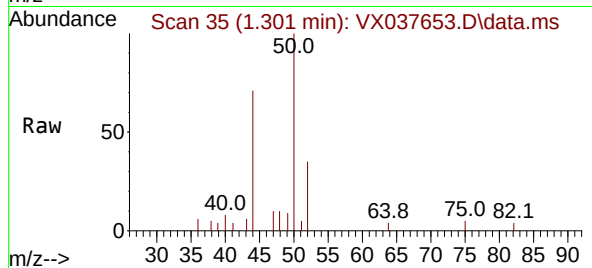
#3
Chloromethane
Concen: 1.205 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.006 min
Lab File: VX037653.D
Acq: 11 Sep 2023 20:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 236
Ion Ratio Lower Upper
50 100
52 35.3 25.5 38.3

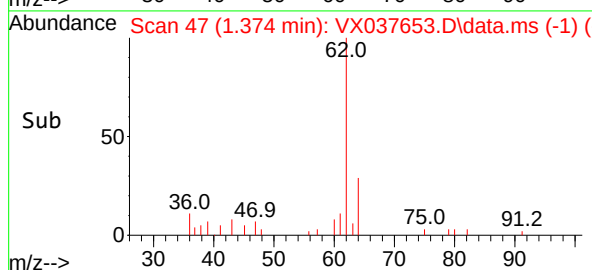
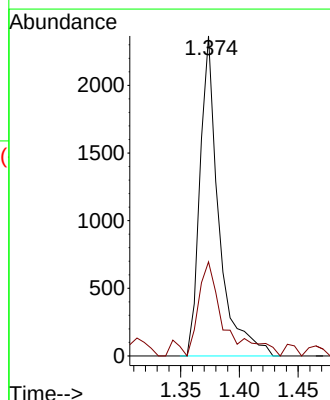
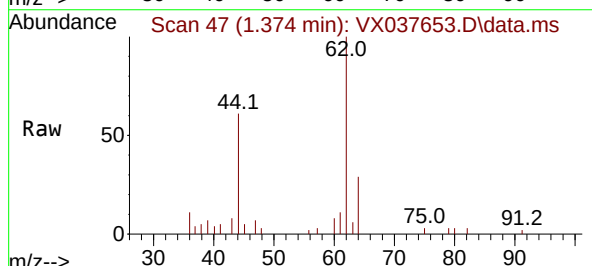
Manual Integrations
APPROVED

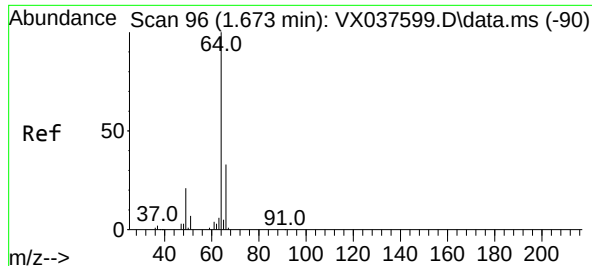
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#4
Vinyl Chloride
Concen: 1.223 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX037653.D
Acq: 11 Sep 2023 20:38

Tgt Ion: 62 Resp: 2642
Ion Ratio Lower Upper
62 100
64 29.4 25.4 38.0





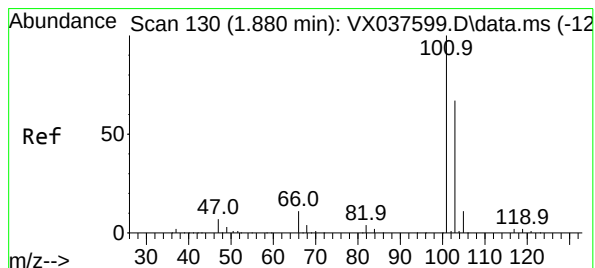
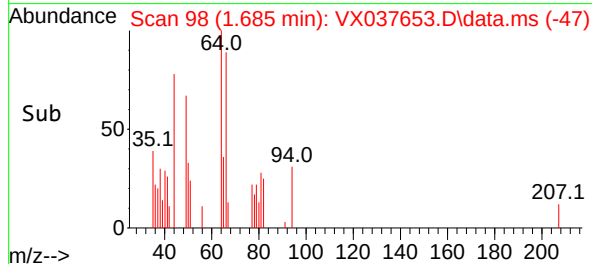
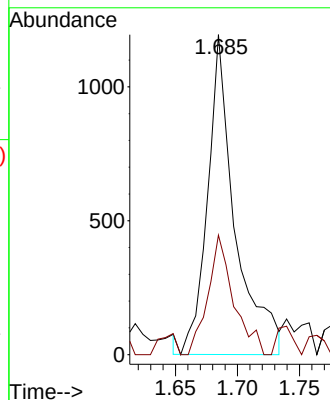
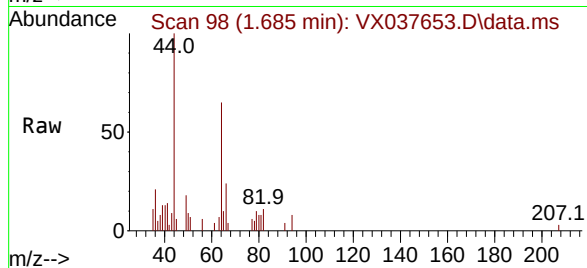
#6
Chloroethane
Concen: 1.252 ug/l m
RT: 1.685 min Scan# 96
Delta R.T. 0.012 min
Lab File: VX037653.D
Acq: 11 Sep 2023 20:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 1838
Ion Ratio Lower Upper
64 100
66 37.3 25.1 37.7

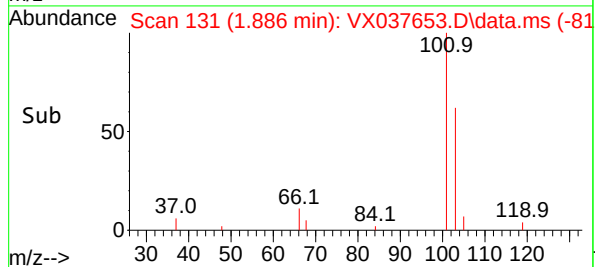
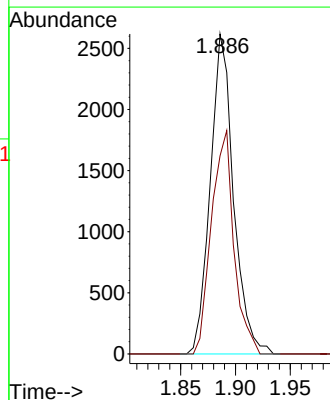
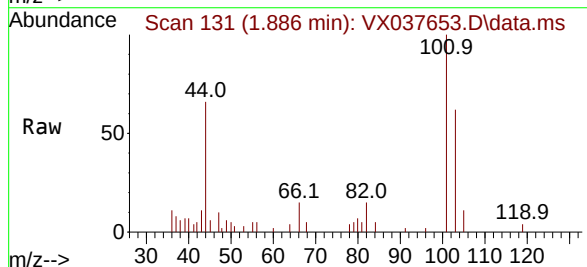
Manual Integrations
APPROVED

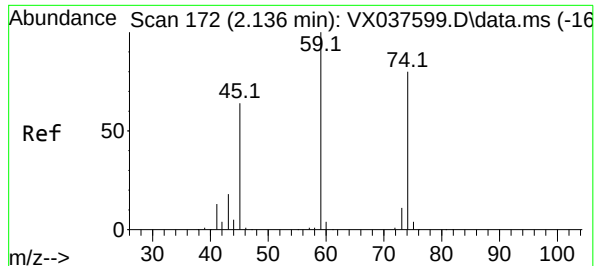
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#7
Trichlorofluoromethane
Concen: 1.054 ug/l
RT: 1.886 min Scan# 131
Delta R.T. 0.006 min
Lab File: VX037653.D
Acq: 11 Sep 2023 20:38

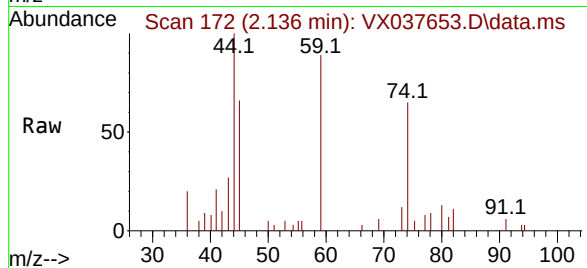
Tgt Ion:101 Resp: 3861
Ion Ratio Lower Upper
101 100
103 61.9 51.4 77.2





#8
Diethyl Ether
Concen: 0.982 ug/l
RT: 2.136 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037653.D
Acq: 11 Sep 2023 20:38

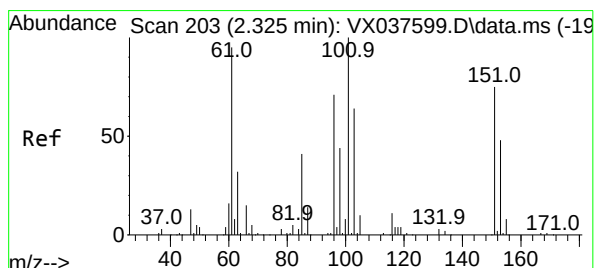
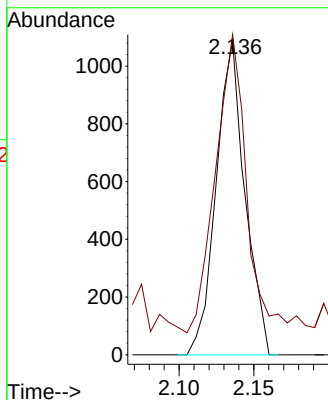
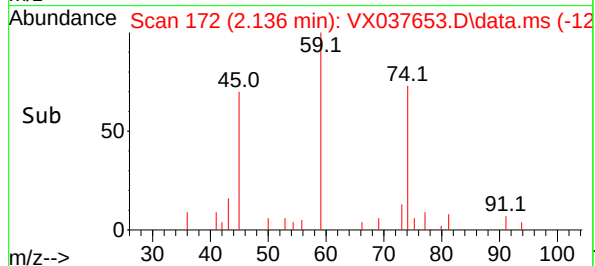
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion: 74 Resp: 1454
Ion Ratio Lower Upper
74 100
45 116.0 53.3 159.8

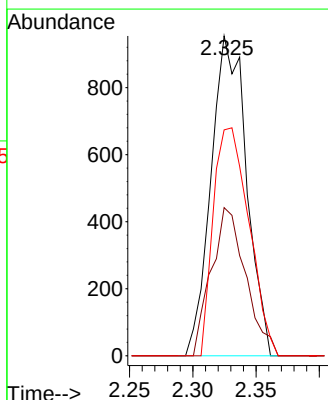
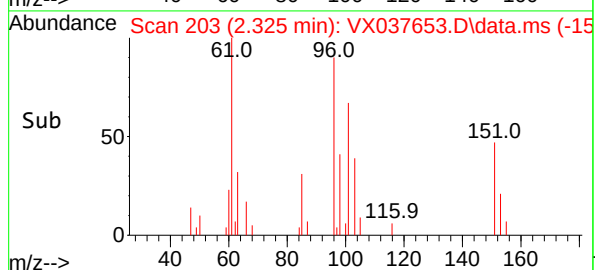
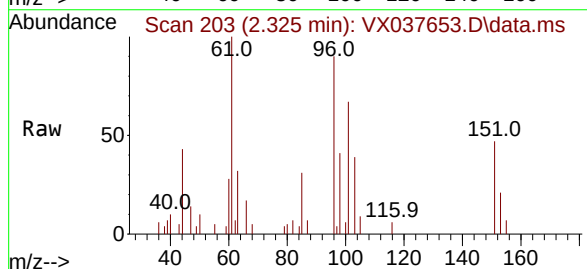
Manual Integrations
APPROVED

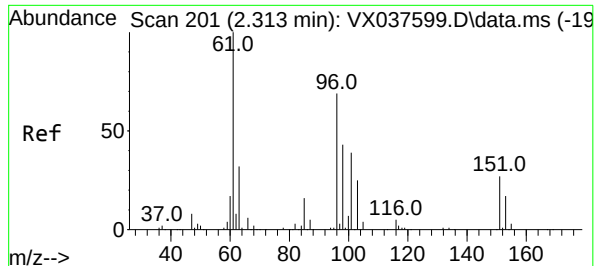
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.145 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX037653.D
Acq: 11 Sep 2023 20:38

Tgt Ion:101 Resp: 1855
Ion Ratio Lower Upper
101 100
85 45.2 37.0 55.6
151 71.9 58.6 87.8





#12

1,1-Dichloroethene

Concen: 1.156 ug/l

RT: 2.325 min Scan# 201

Delta R.T. 0.012 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 1840

Ion Ratio Lower Upper

96 100

61 111.7 144.6 216.8

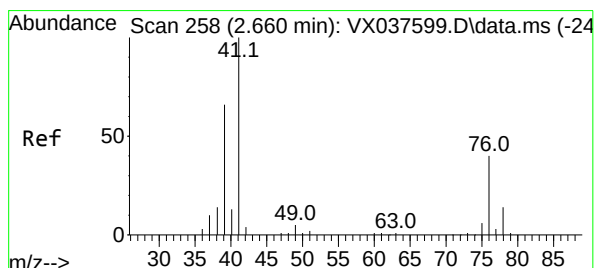
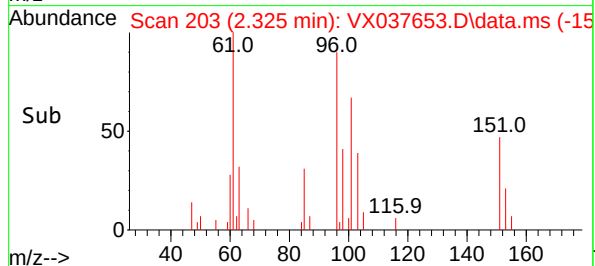
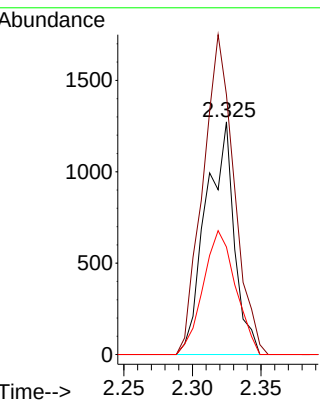
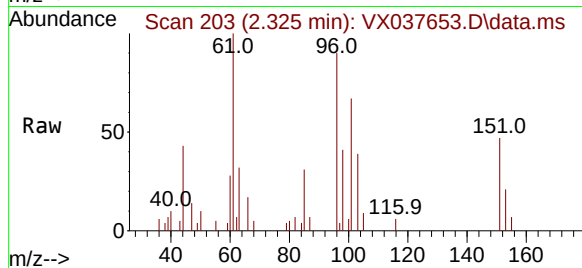
98 46.3 50.4 75.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#14

Allyl chloride

Concen: 1.102 ug/l

RT: 2.666 min Scan# 259

Delta R.T. 0.006 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

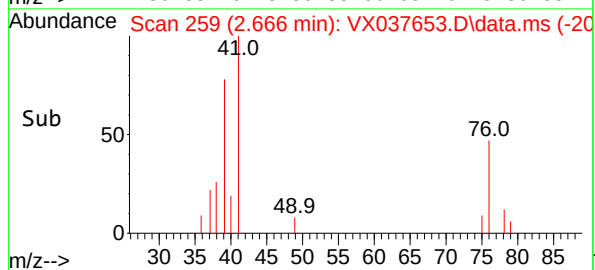
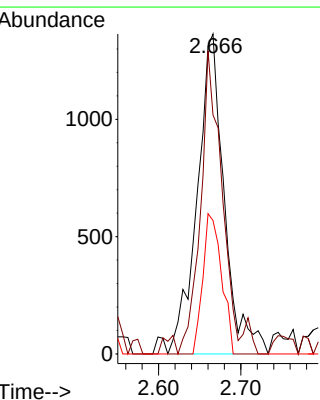
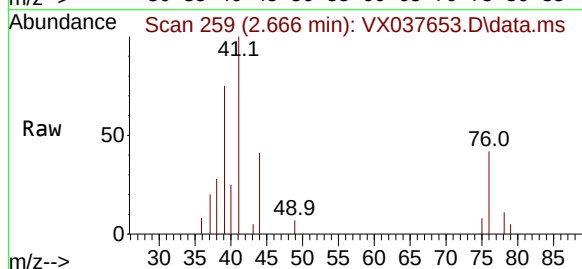
Tgt Ion: 41 Resp: 3121

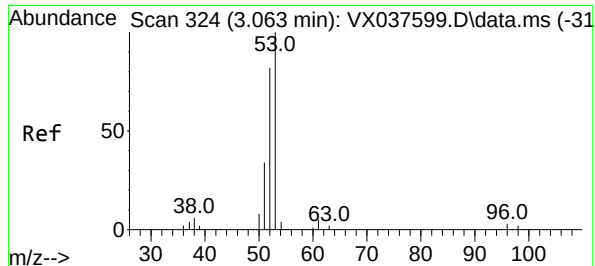
Ion Ratio Lower Upper

41 100

39 74.2 55.8 83.6

76 30.3 24.3 36.5





#15

Acrylonitrile

Concen: 4.752 ug/l

RT: 3.069 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

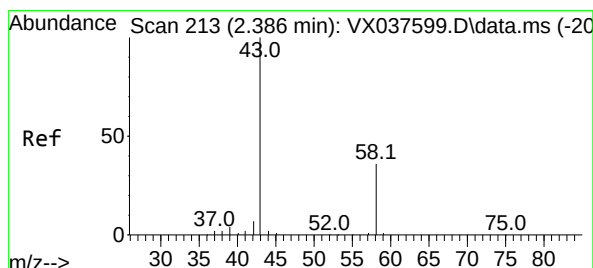
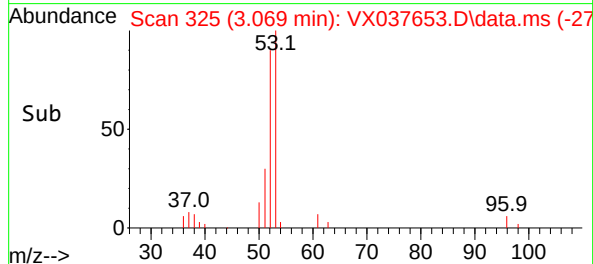
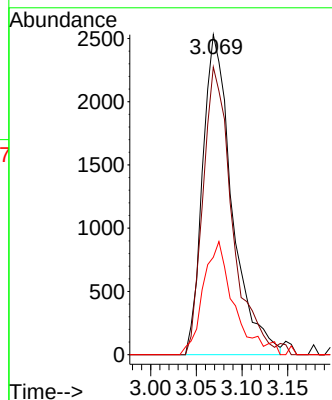
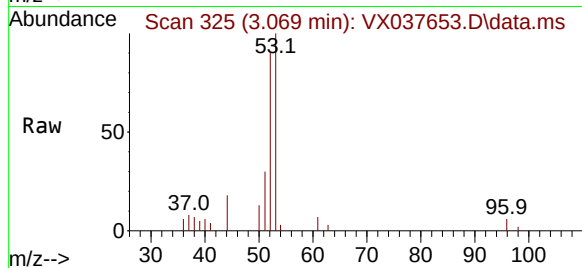
VSTDICC001

Tgt Ion: 53	Resp: 565
Ion Ratio	Lower Upper
53 100	
52 89.8	66.0 99.0
51 36.9	29.8 44.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#16

Acetone

Concen: 5.507 ug/l

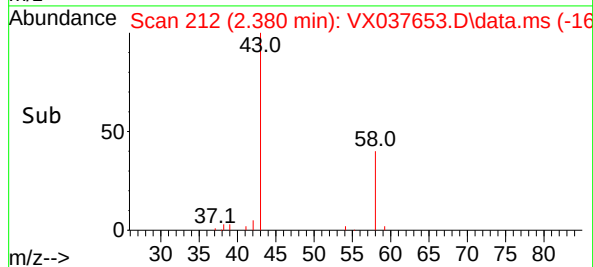
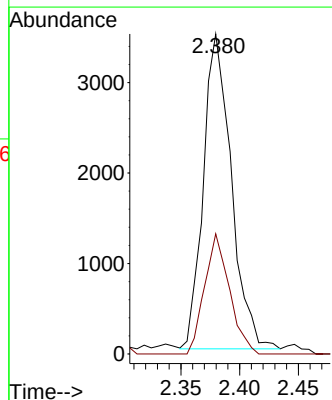
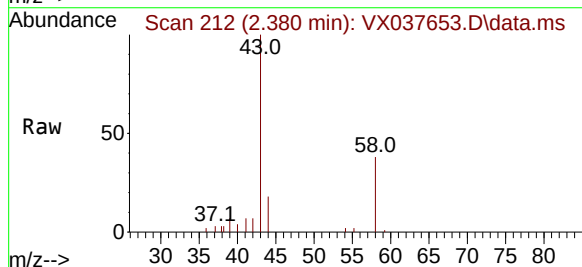
RT: 2.380 min Scan# 212

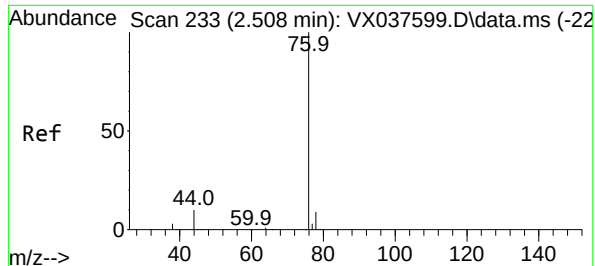
Delta R.T. -0.006 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Tgt Ion: 43	Resp: 5763
Ion Ratio	Lower Upper
43 100	
58 38.2	21.9 32.9





#17

Carbon Disulfide

Concen: 1.180 ug/l

RT: 2.508 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 76 Resp: 484

Ion Ratio Lower Upper

76 100

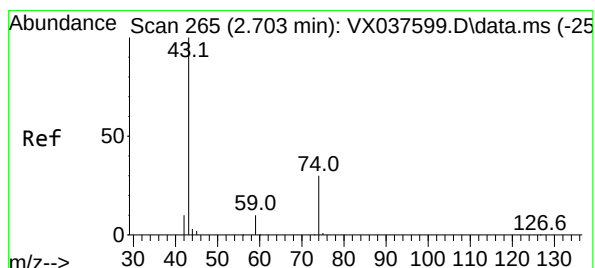
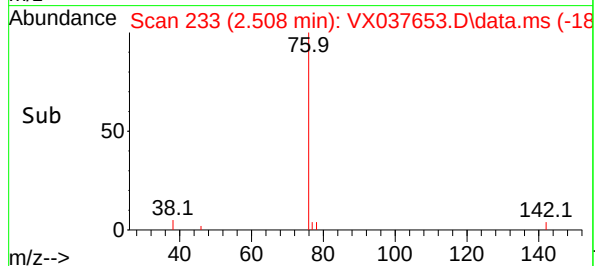
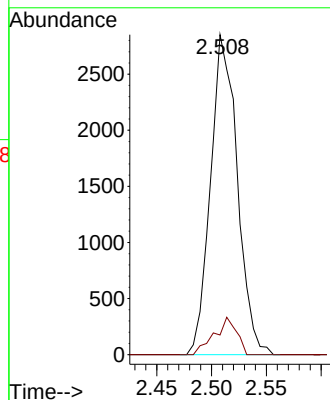
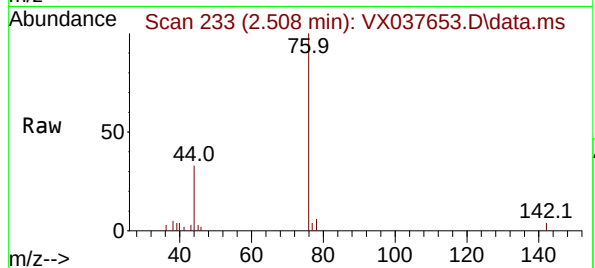
78 6.1 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#18

Methyl Acetate

Concen: 1.017 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX037653.D

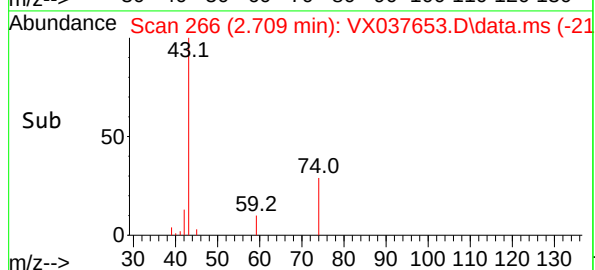
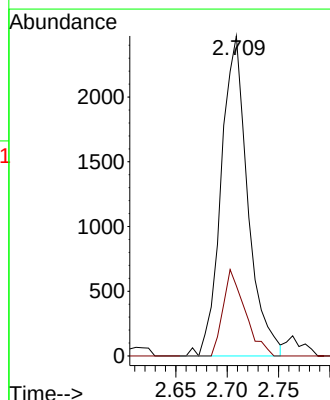
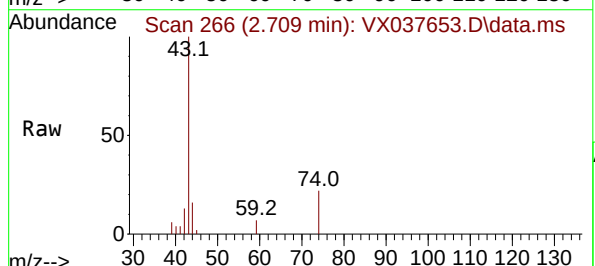
Acq: 11 Sep 2023 20:38

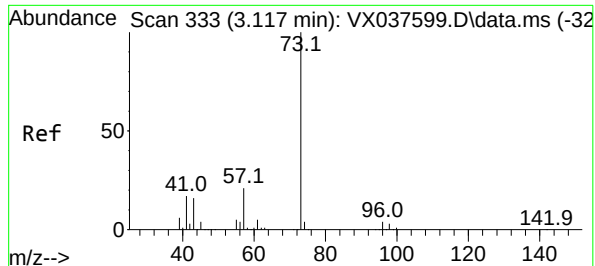
Tgt Ion: 43 Resp: 4460

Ion Ratio Lower Upper

43 100

74 22.2 17.8 26.8





#19

Methyl tert-butyl Ether

Concen: 0.988 ug/l

RT: 3.111 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 73 Resp: 6340

Ion Ratio Lower Upper

73 100

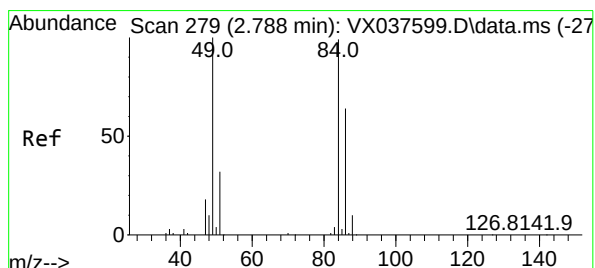
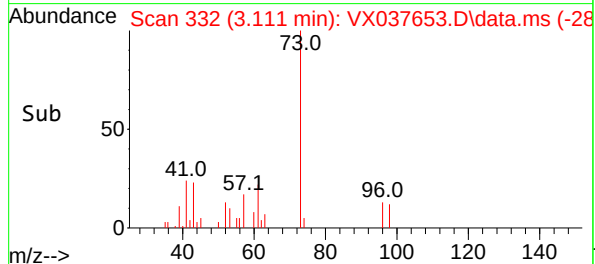
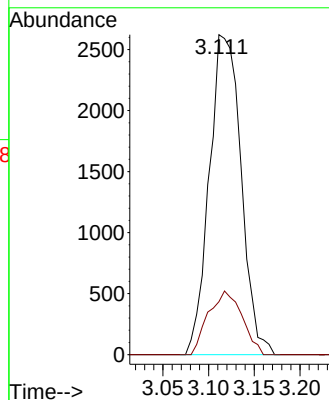
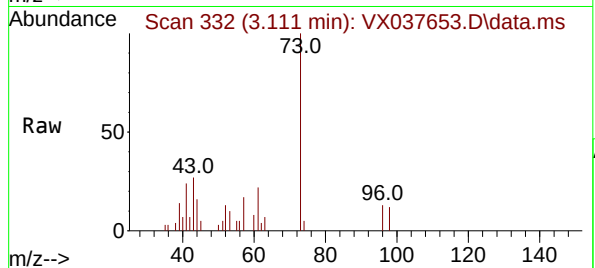
57 16.6 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#20

Methylene Chloride

Concen: 0.434 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Tgt Ion: 84 Resp: 3434

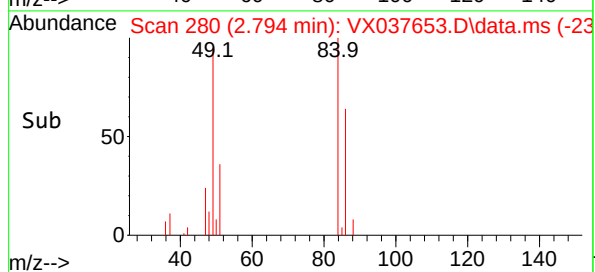
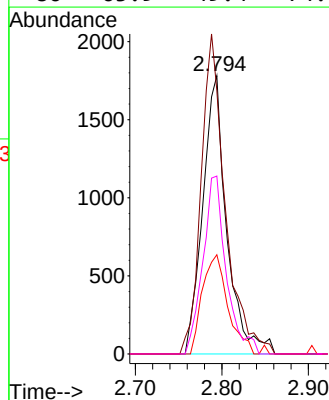
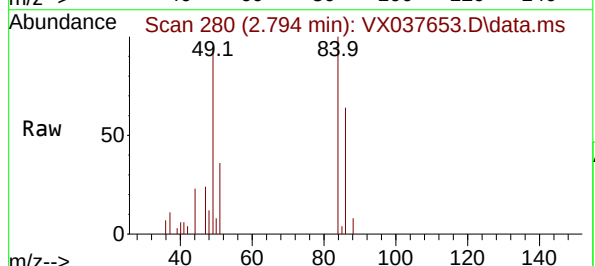
Ion Ratio Lower Upper

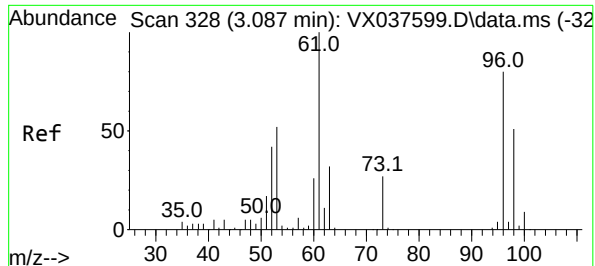
84 100

49 94.7 103.6 155.4

51 35.7 33.8 50.6

86 63.9 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 1.023 ug/l

RT: 3.087 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 96 Resp: 193

Ion Ratio Lower Upper

96 100

61 104.4 119.2 178.8

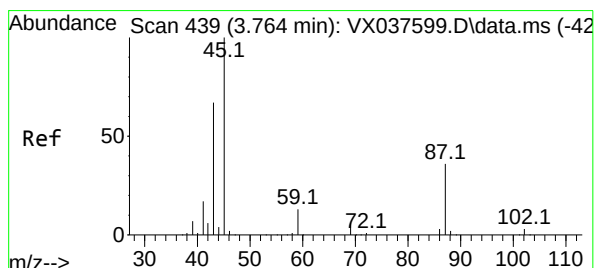
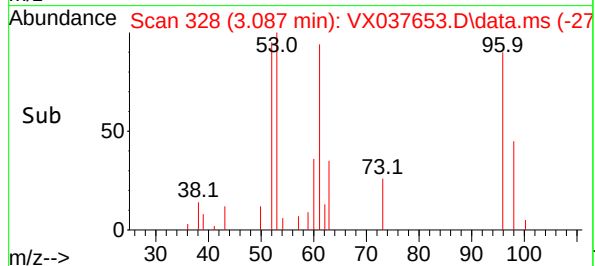
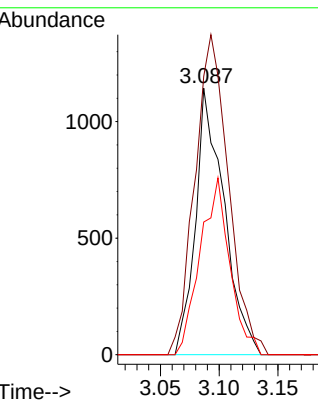
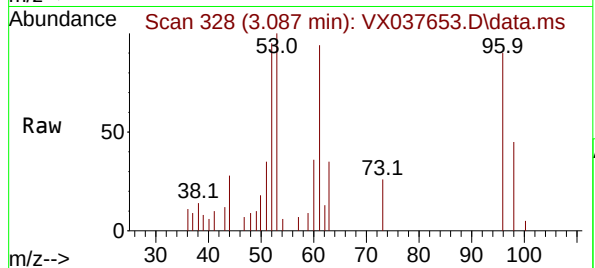
98 49.7 48.7 73.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#22

Diisopropyl ether

Concen: 0.977 ug/l

RT: 3.764 min Scan# 439

Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Tgt Ion: 45 Resp: 6039

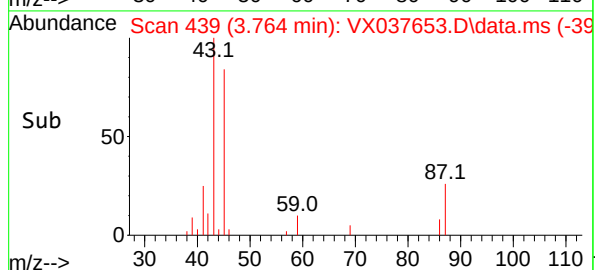
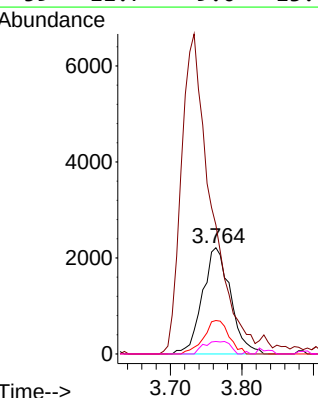
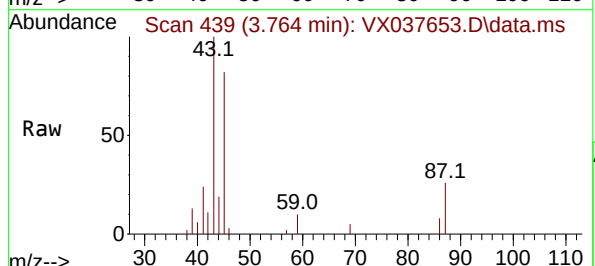
Ion Ratio Lower Upper

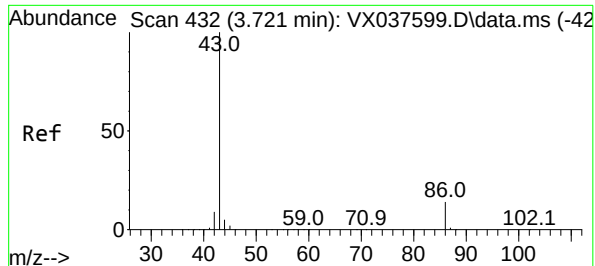
45 100

43 114.0 69.7 104.5#

87 31.5 20.8 31.2#

59 11.7 9.0 13.4





#23

Vinyl Acetate

Concen: 4.270 ug/l

RT: 3.733 min Scan# 41

Delta R.T. 0.012 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 1936

Ion Ratio Lower Upper

43

100

86

11.1

7.8

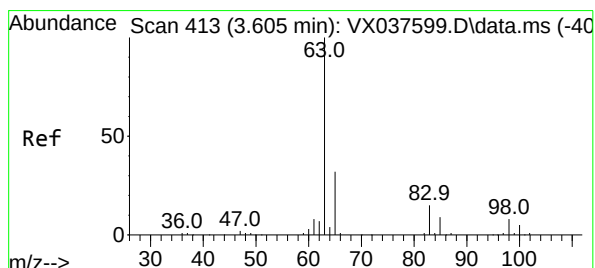
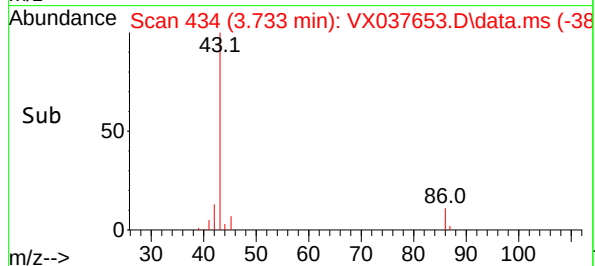
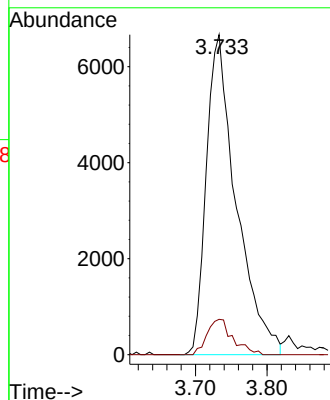
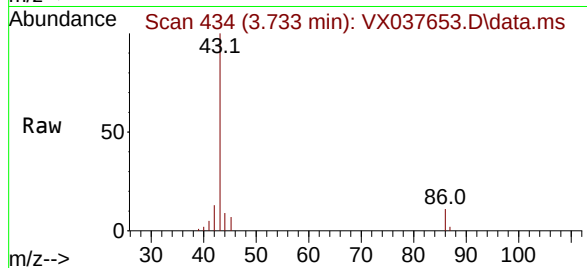
11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#24

1,1-Dichloroethane

Concen: 1.003 ug/l

RT: 3.611 min Scan# 414

Delta R.T. 0.006 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Tgt Ion: 63 Resp: 3627

Ion Ratio Lower Upper

63

100

98

5.6

3.3

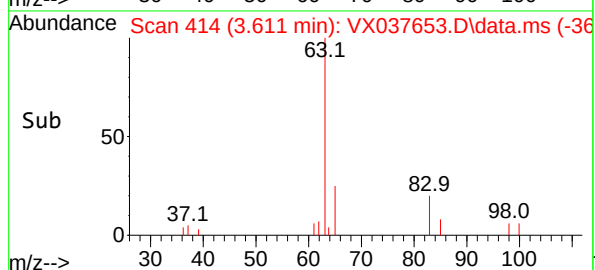
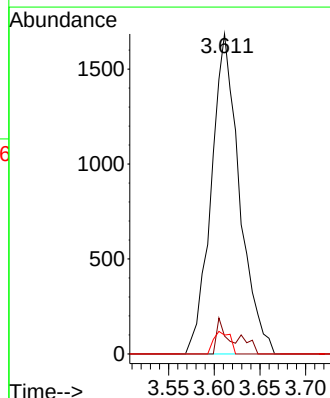
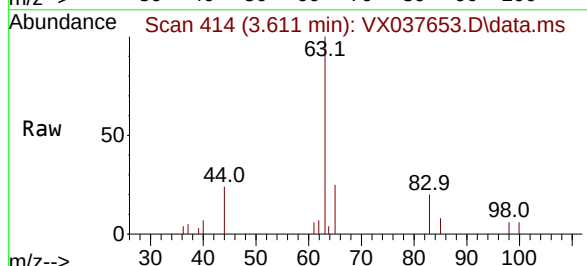
9.8

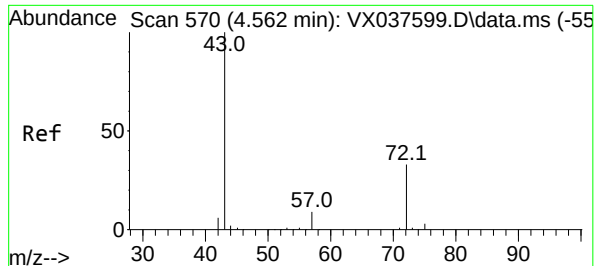
100

5.9

2.1

6.5





#25

2-Butanone

Concen: 5.360 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 900

Ion Ratio Lower Upper

43 100

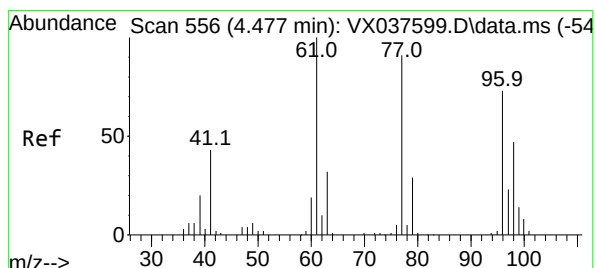
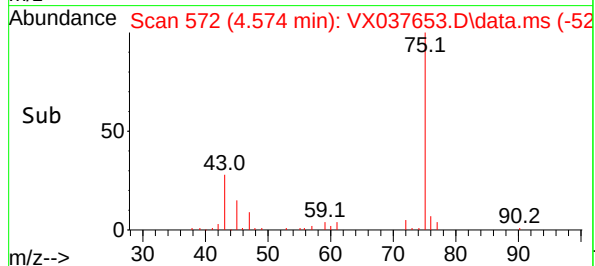
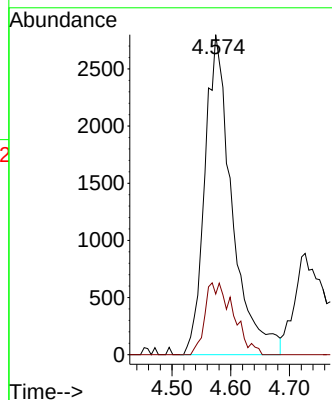
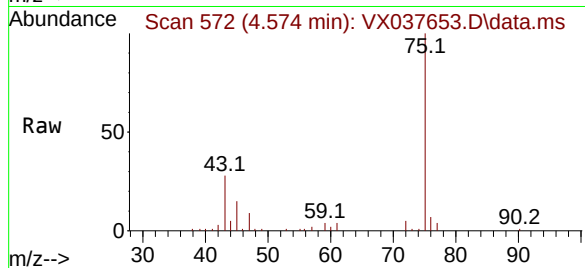
72 18.9 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#26

2,2-Dichloropropane

Concen: 0.916 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.006 min

Lab File: VX037653.D

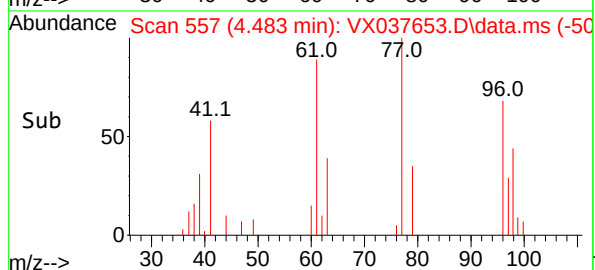
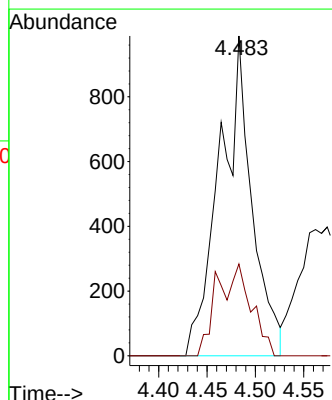
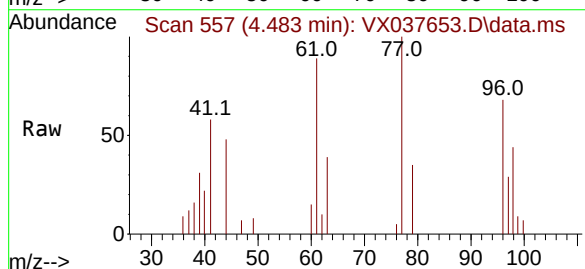
Acq: 11 Sep 2023 20:38

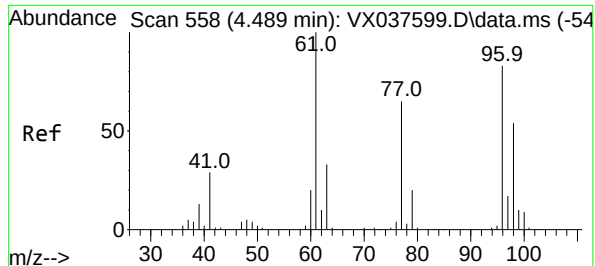
Tgt Ion: 77 Resp: 2293

Ion Ratio Lower Upper

77 100

97 18.0 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 1.015 ug/l

RT: 4.489 min Scan# 558

Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 2290

Ion Ratio Lower Upper

96 100

61 146.1 0.0 312.2

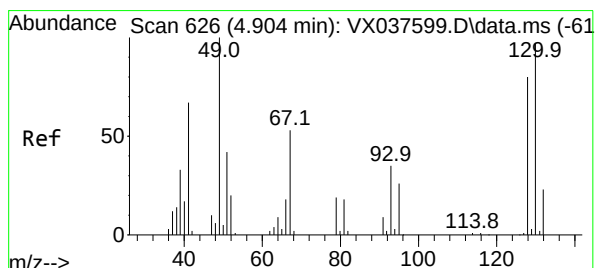
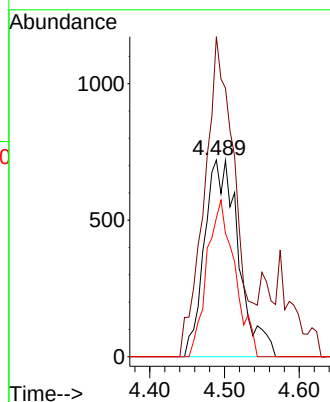
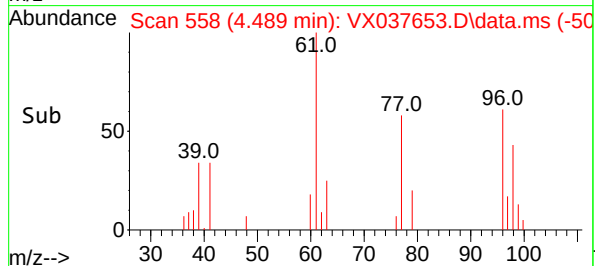
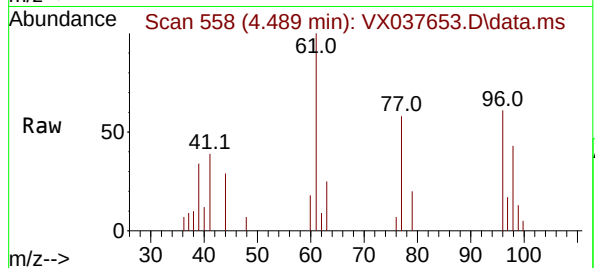
98 64.8 0.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#28

Bromochloromethane

Concen: 1.015 ug/l

RT: 4.904 min Scan# 626

Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

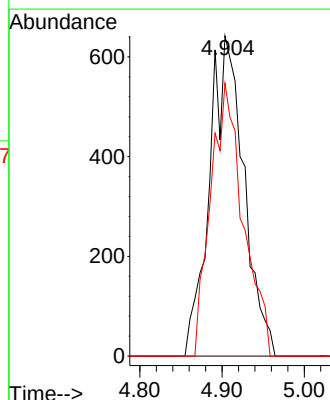
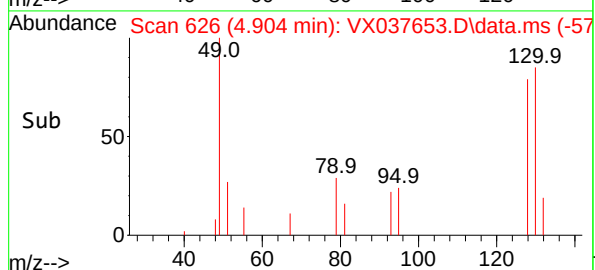
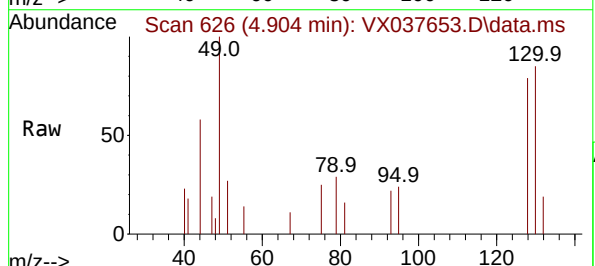
Tgt Ion: 49 Resp: 1862

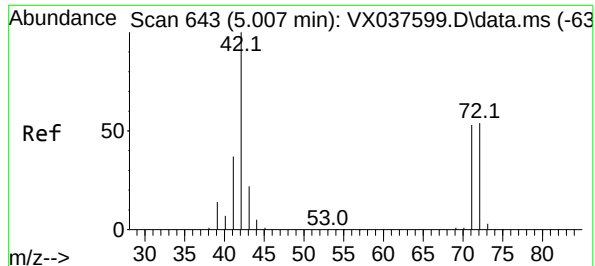
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 80.6 57.5 86.3





#29

Tetrahydrofuran

Concen: 4.848 ug/l

RT: 5.032 min Scan# 643

Delta R.T. 0.024 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

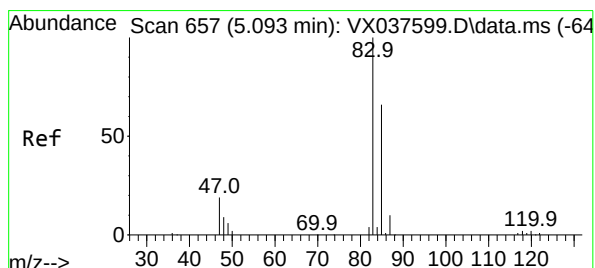
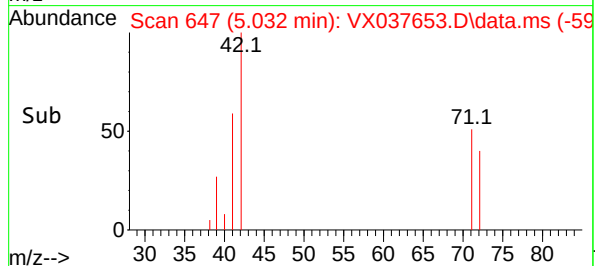
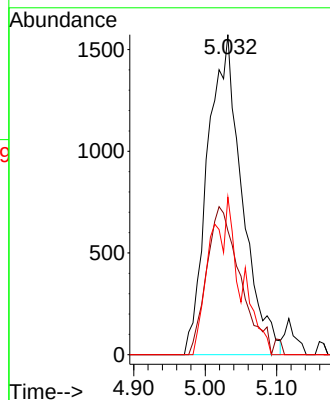
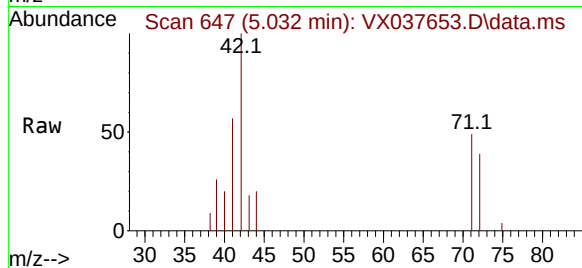
VSTDICC001

Tgt Ion:	42	Resp:	525
Ion	Ratio	Lower	Upper
42	100		
72	46.1	34.2	51.4
71	21.5	32.2	48.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#30

Chloroform

Concen: 0.973 ug/l

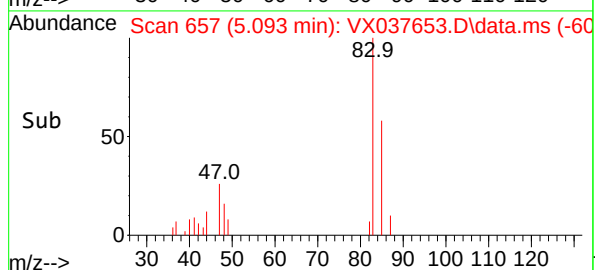
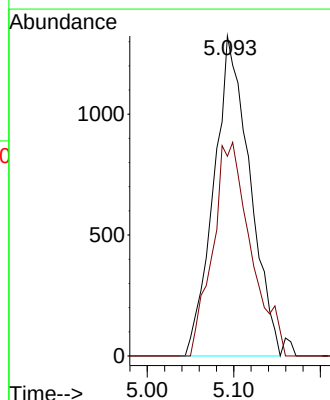
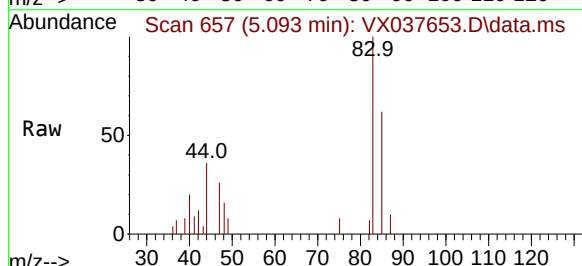
RT: 5.093 min Scan# 657

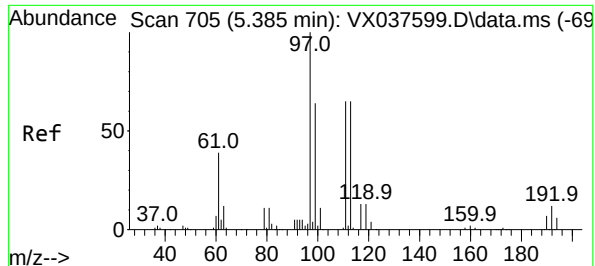
Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Tgt Ion:	83	Resp:	3816
Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.3	75.5





#32

1,1,1-Trichloroethane

Concen: 0.895 ug/l

RT: 5.385 min Scan# 70

Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 294

Ion Ratio Lower Upper

97 100

99 0.0 51.1 76.7

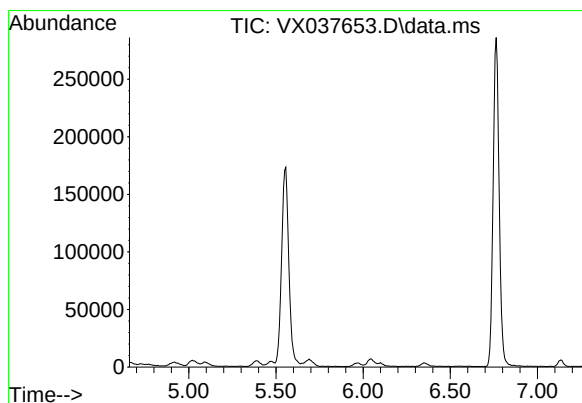
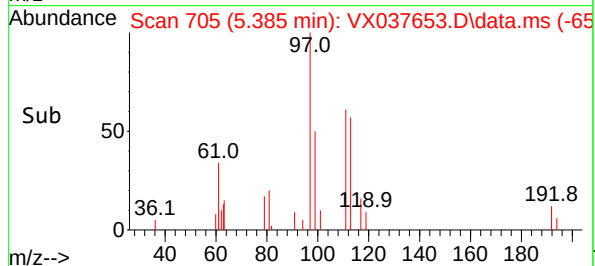
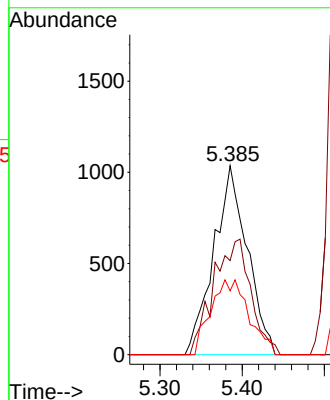
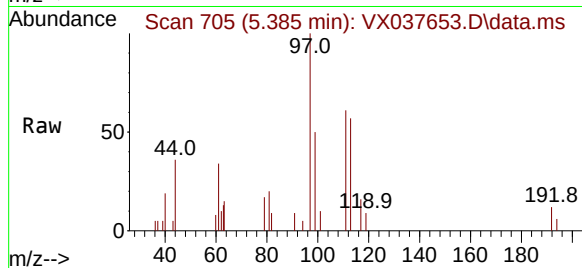
61 44.9 36.4 54.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 5.96 min

Lab File: VX037653.D

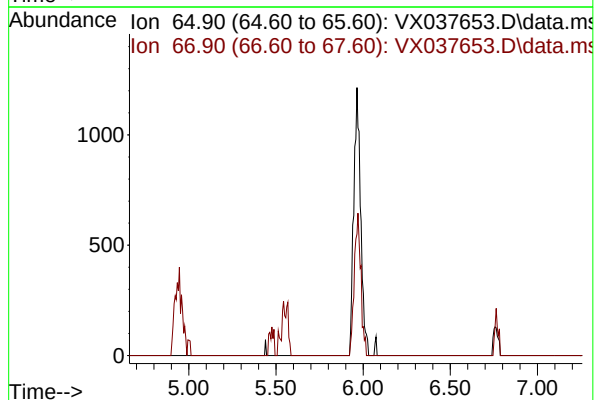
Acq: 11 Sep 2023 20:38

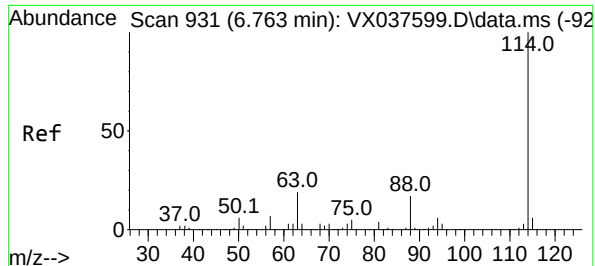
Tgt Ion: 65

Sig Exp Ratio

65 100

67 50.1





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion:114 Resp: 288640

Ion Ratio Lower Upper

114 100

63 21.3 0.0 45.0

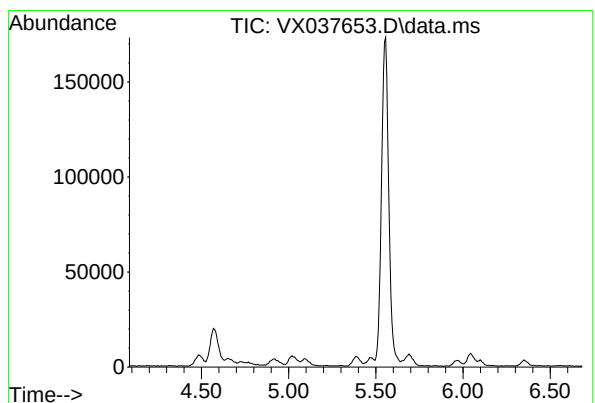
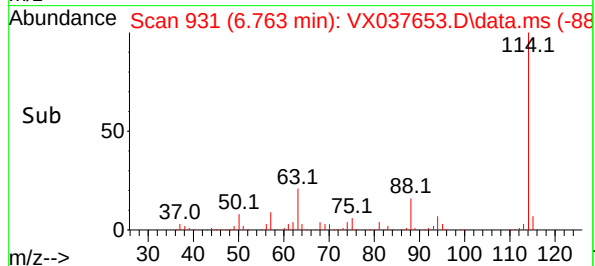
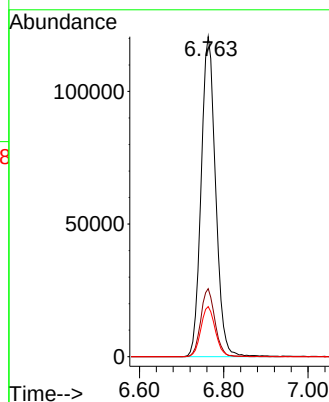
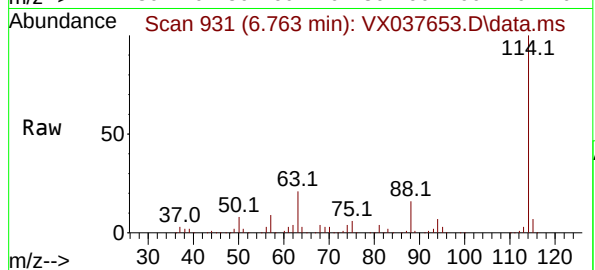
88 15.6 0.0 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 5.39 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

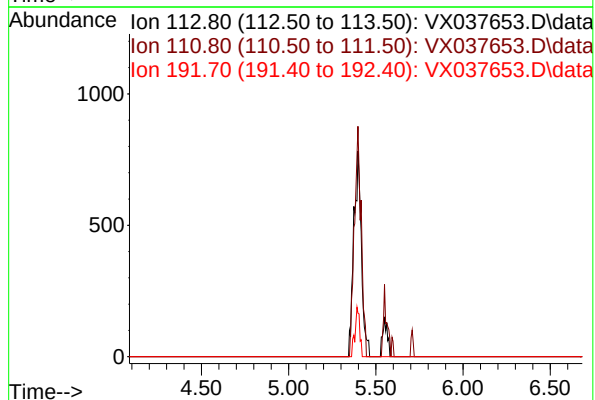
Tgt Ion: 113

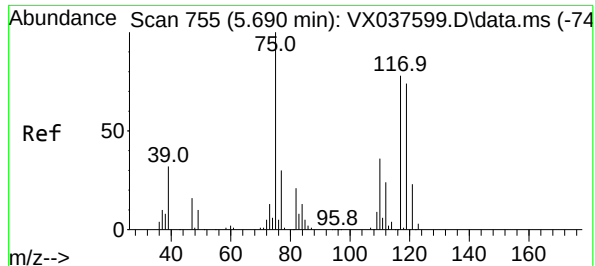
Sig Exp Ratio

113 100

111 103.6

192 16.6





#36

1,1-Dichloropropene

Concen: 1.070 ug/l

RT: 5.696 min Scan# 755

Delta R.T. 0.006 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

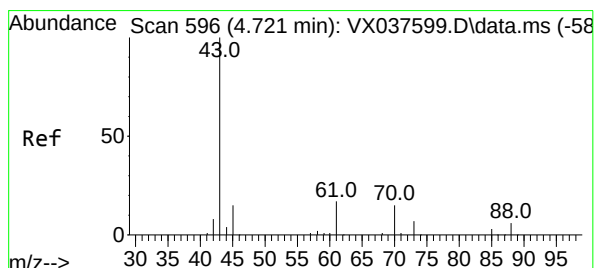
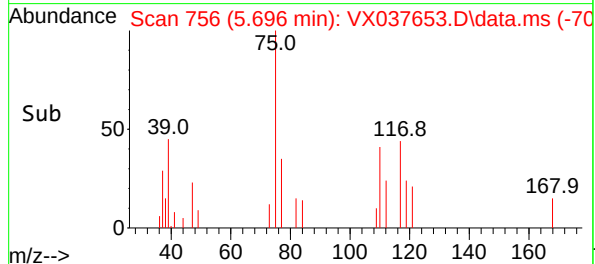
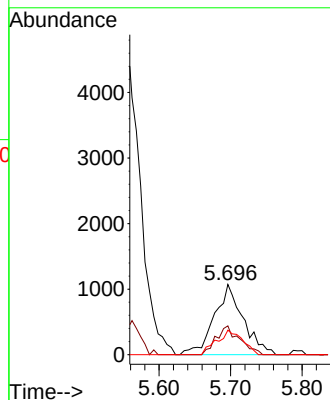
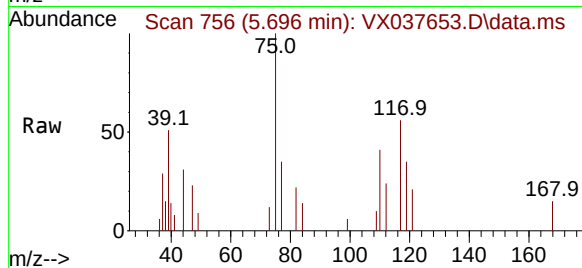
VSTDIC001

Tgt Ion:	75	Resp:	3018
Ion	Ratio	Lower	Upper
75	100		
110	33.2	17.0	50.9
77	31.0	24.7	37.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#37

Ethyl Acetate

Concen: 0.819 ug/l m

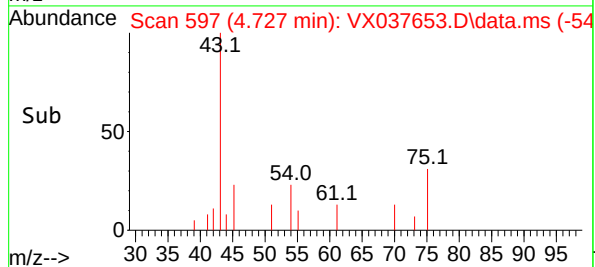
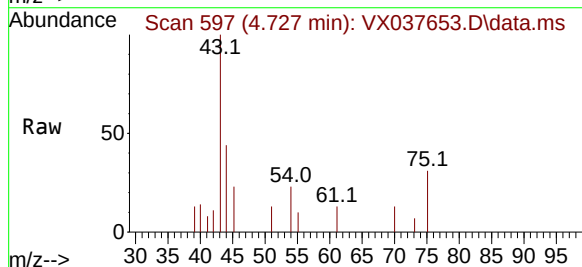
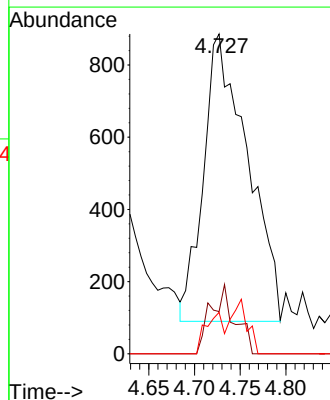
RT: 4.727 min Scan# 597

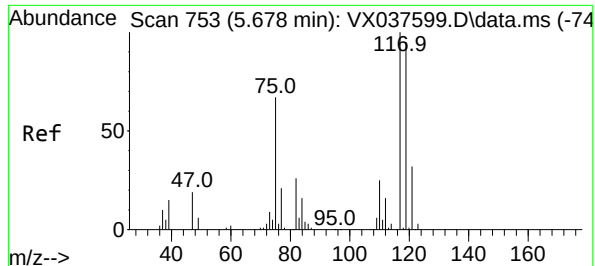
Delta R.T. 0.006 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Tgt Ion:	43	Resp:	2665
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.6	16.0
70	5.8	8.3	12.5





#38

Carbon Tetrachloride

Concen: 1.019 ug/l

RT: 5.678 min Scan# 753

Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 117 Resp: 2870

Ion Ratio Lower Upper

117 100

119 84.1 78.2 117.2

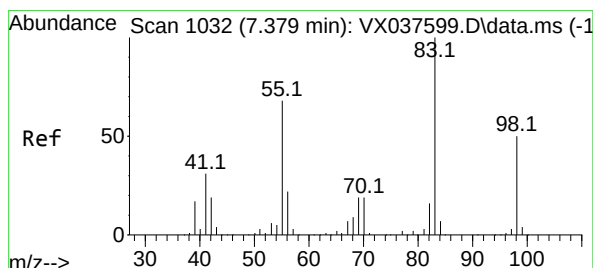
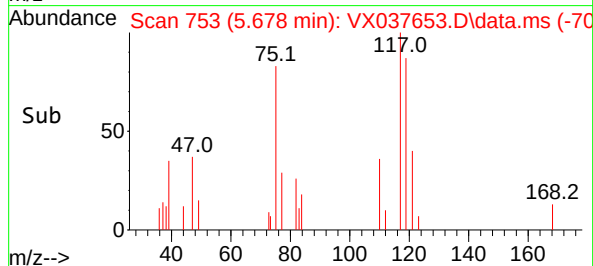
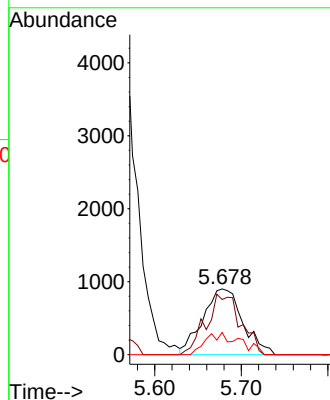
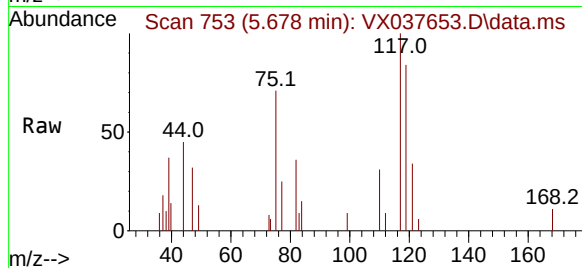
121 33.9 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#39

Methylcyclohexane

Concen: 1.002 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

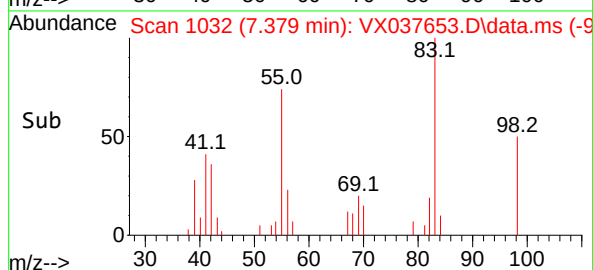
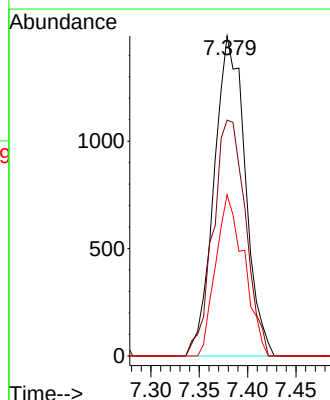
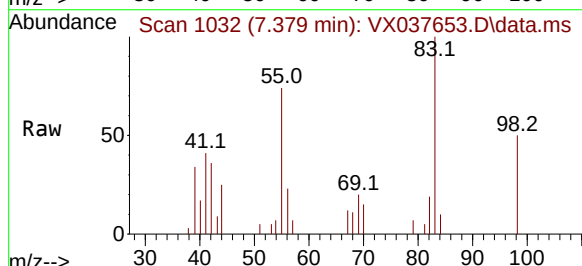
Tgt Ion: 83 Resp: 3325

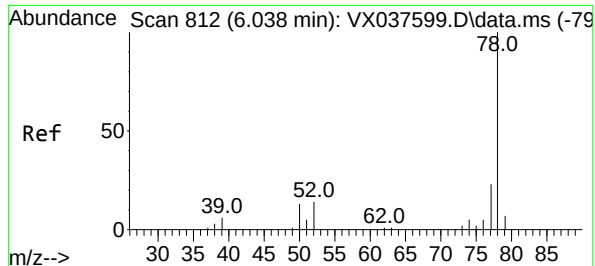
Ion Ratio Lower Upper

83 100

55 73.7 64.6 97.0

98 50.3 36.7 55.1





#40

Benzene

Concen: 0.933 ug/l

RT: 6.044 min Scan# 812

Delta R.T. 0.006 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 78 Resp: 800

Ion Ratio Lower Upper

78 100

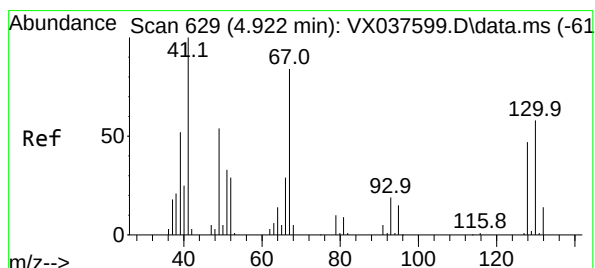
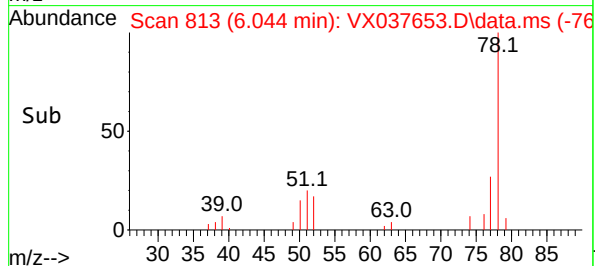
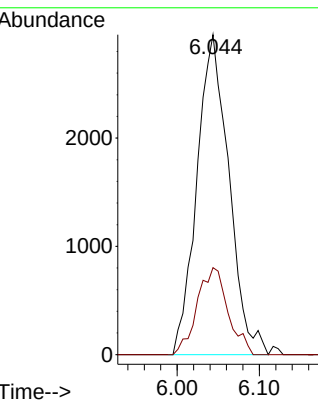
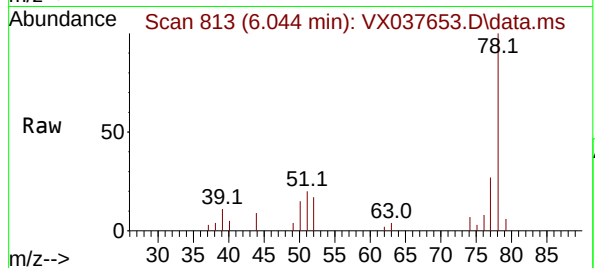
77 27.2 19.3 28.9

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#41

Methacrylonitrile

Concen: 0.843 ug/l

RT: 4.940 min Scan# 632

Delta R.T. 0.018 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Tgt Ion: 41 Resp: 1457

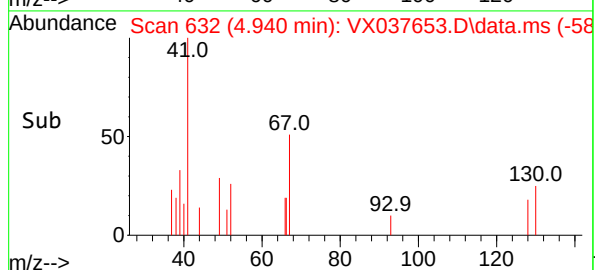
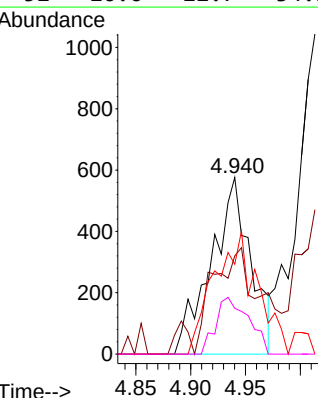
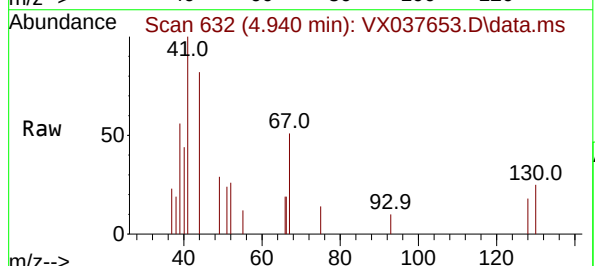
Ion Ratio Lower Upper

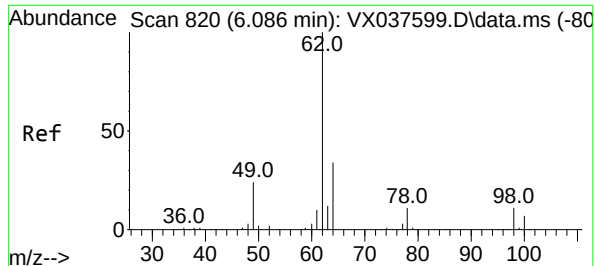
41 100

39 71.4 45.2 67.8

67 74.7 52.6 78.8

52 26.6 22.7 34.1





#42

1,2-Dichloroethane

Concen: 1.005 ug/l

RT: 6.098 min Scan# 81

Delta R.T. 0.012 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 62 Resp: 334

Ion Ratio Lower Upper

62 100

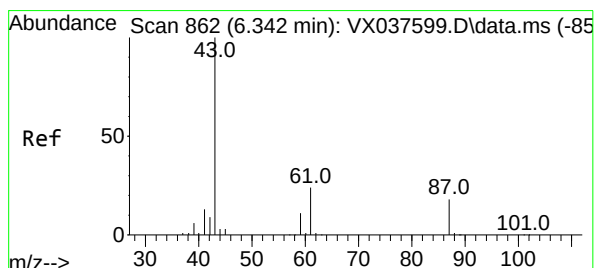
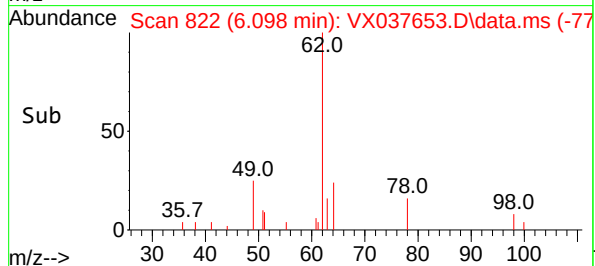
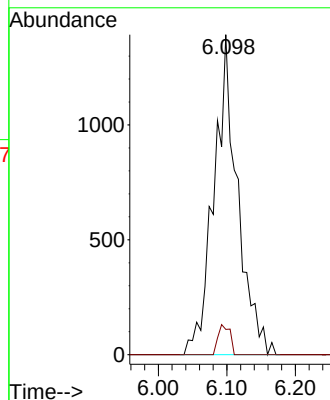
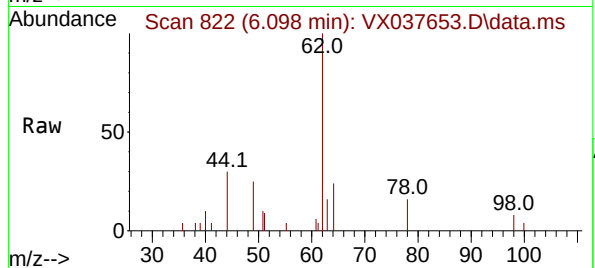
98 4.6 0.0 16.0

Manual Integrations

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#43

Isopropyl Acetate

Concen: 0.853 ug/l

RT: 6.348 min Scan# 863

Delta R.T. 0.006 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

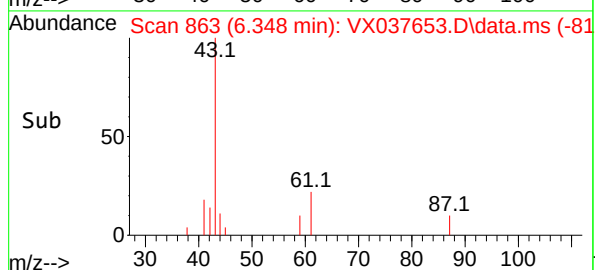
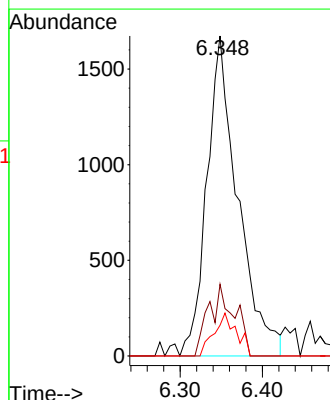
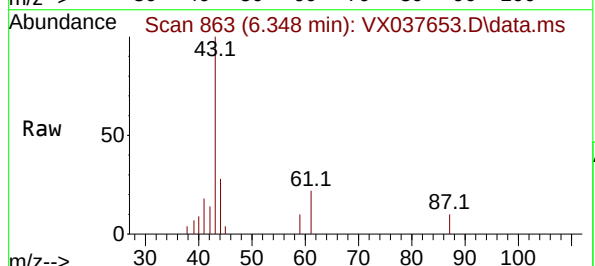
Tgt Ion: 43 Resp: 4385

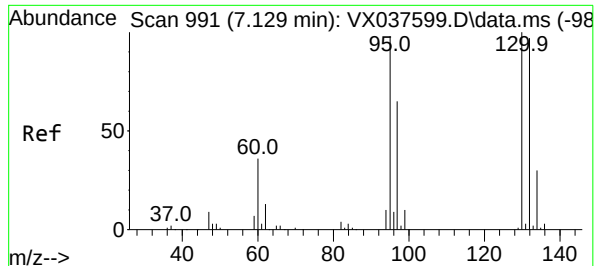
Ion Ratio Lower Upper

43 100

61 18.7 15.2 22.8

87 9.7 9.8 14.6#





#44

Trichloroethene

Concen: 1.062 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:130 Resp: 222

Ion Ratio Lower Upper

130 100

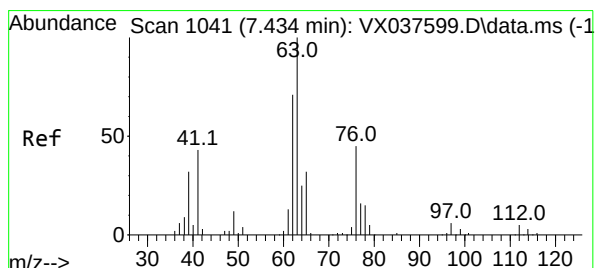
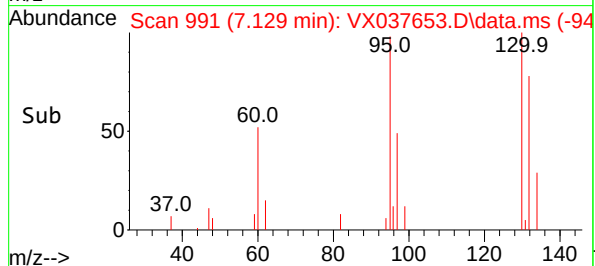
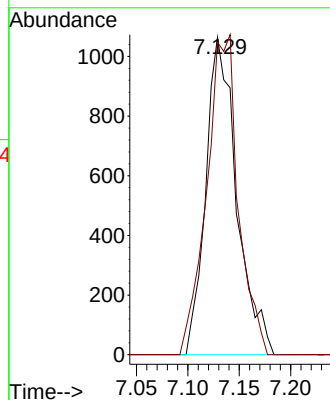
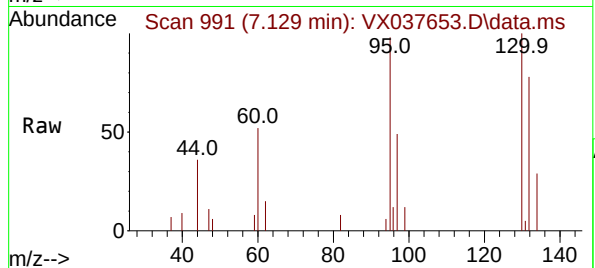
95 98.4 0.0 204.4

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#45

1,2-Dichloropropane

Concen: 0.908 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VX037653.D

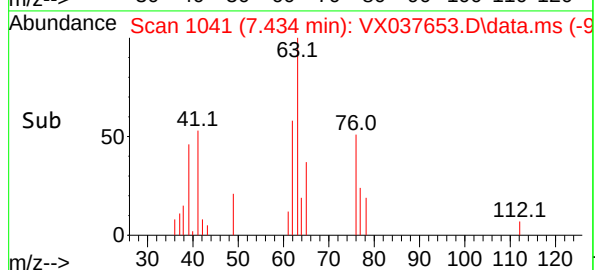
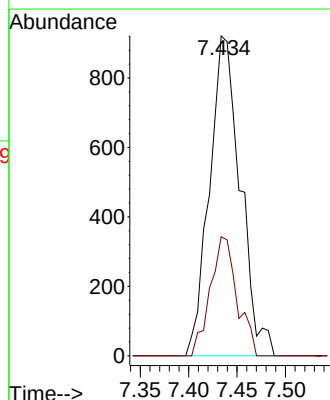
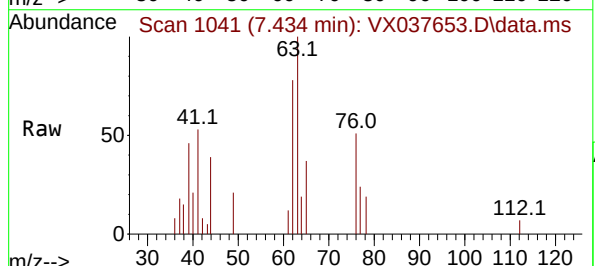
Acq: 11 Sep 2023 20:38

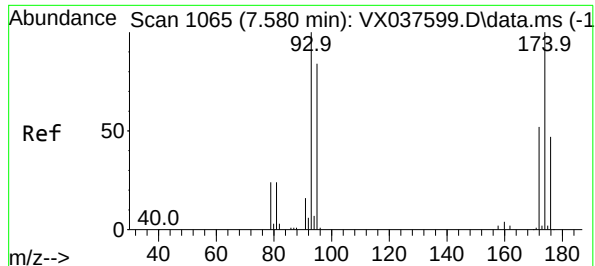
Tgt Ion: 63 Resp: 2045

Ion Ratio Lower Upper

63 100

65 37.2 24.3 36.5#





#46

Dibromomethane

Concen: 0.938 ug/l

RT: 7.586 min Scan# 1106

Delta R.T. 0.006 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

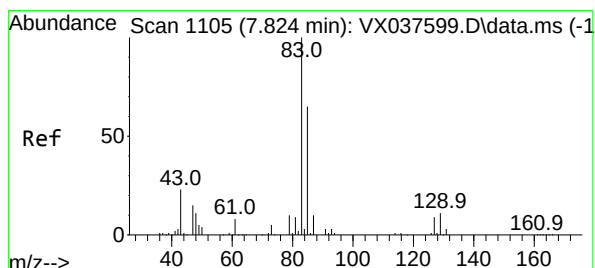
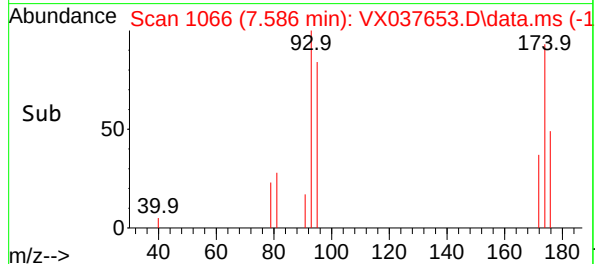
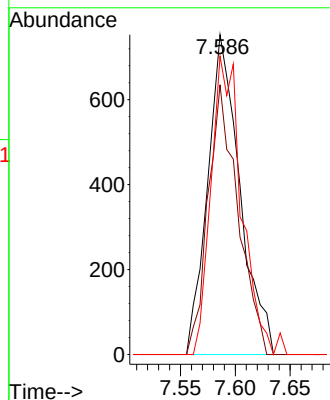
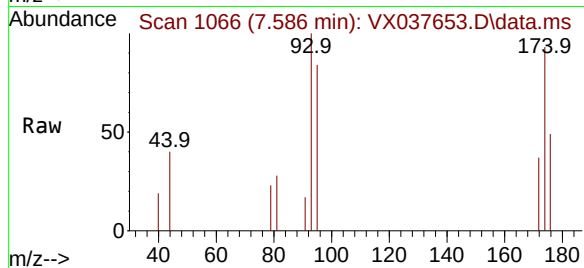
Tgt Ion:	93	Resp:	154
Ion	Ratio	Lower	Upper
93	100		
95	77.9	66.6	100.0
174	89.0	69.4	104.0

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Supervised By :Mahesh Dadoda 09/12/2023



#47

Bromodichloromethane

Concen: 0.845 ug/l

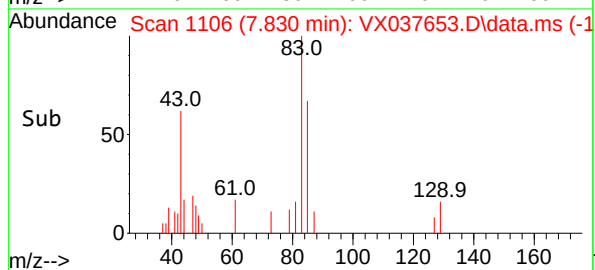
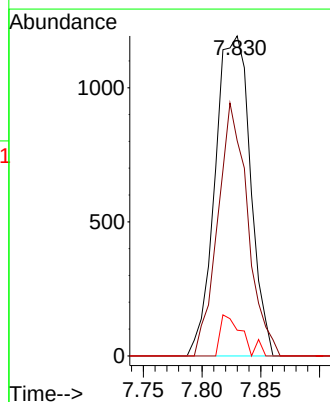
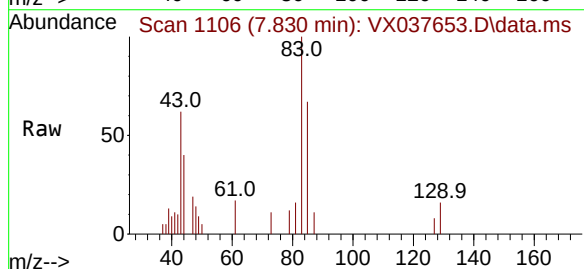
RT: 7.830 min Scan# 1106

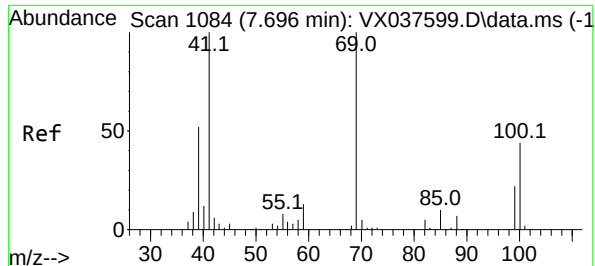
Delta R.T. 0.006 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Tgt Ion:	83	Resp:	2488
Ion	Ratio	Lower	Upper
83	100		
85	67.3	49.8	74.6
127	8.0	7.1	10.7





#48

Methyl methacrylate

Concen: 0.886 ug/l

RT: 7.708 min Scan# 1086

Delta R.T. 0.012 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

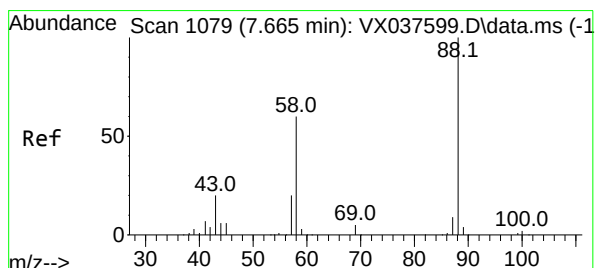
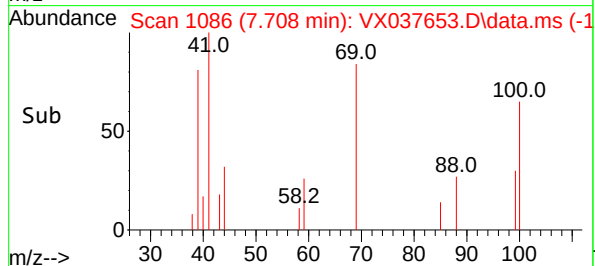
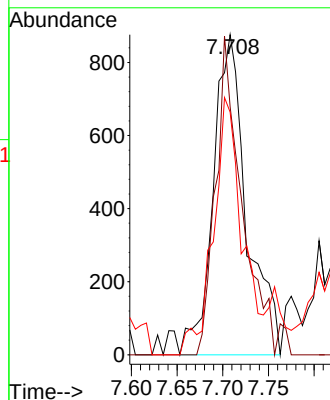
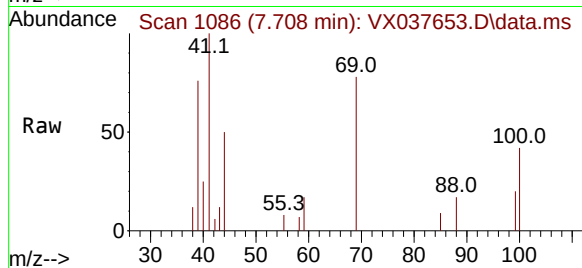
Tgt Ion: 41	Resp: 222
Ion Ratio	Lower Upper
41 100	
69 80.4	59.2 88.8
39 69.5	47.7 71.5

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Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#49

1,4-Dioxane

Concen: 18.683 ug/l

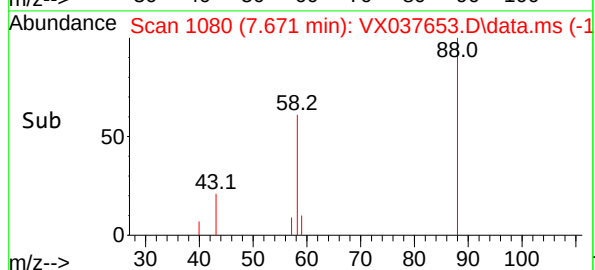
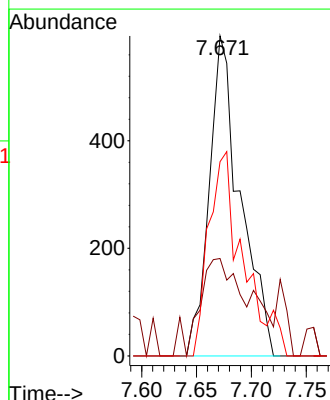
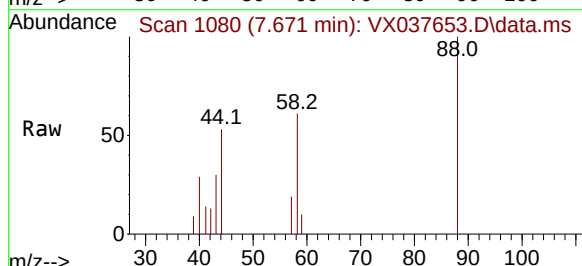
RT: 7.671 min Scan# 1080

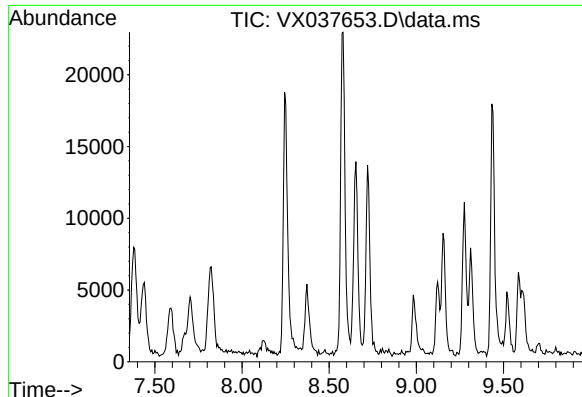
Delta R.T. 0.006 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Tgt Ion: 88	Resp: 1169
Ion Ratio	Lower Upper
88 100	
43 38.9	0.0 0.0#
58 70.8	60.1 90.1





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.65 min

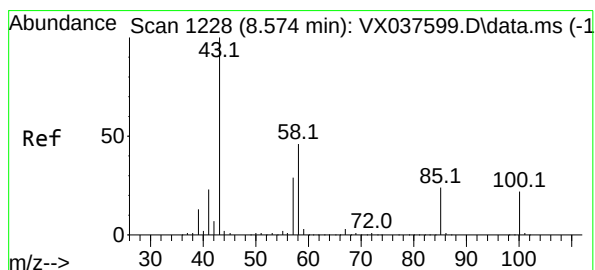
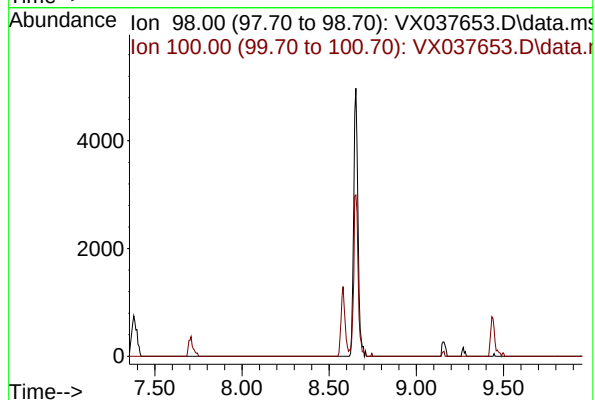
Lab File: VX037653.D
Acq: 11 Sep 2023 20:38

Tgt Ion: 98
Sig Exp Ratio
98 100
100 66.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

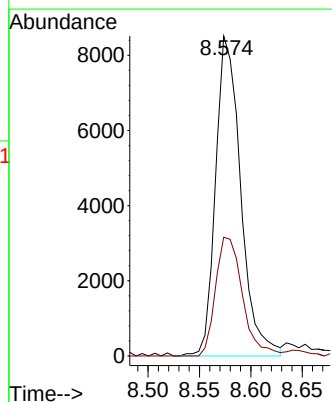
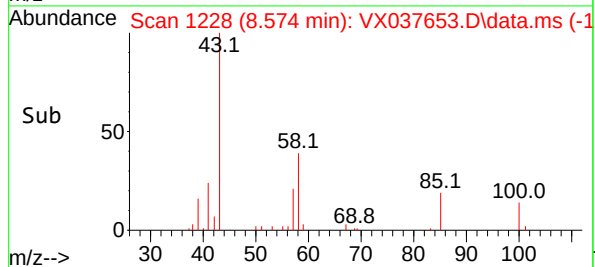
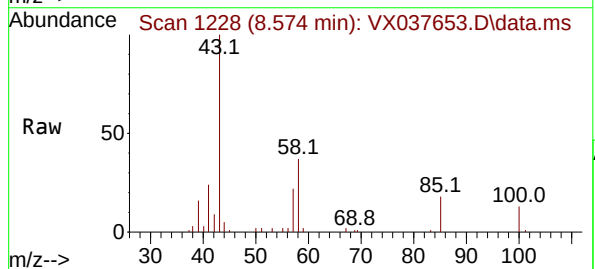
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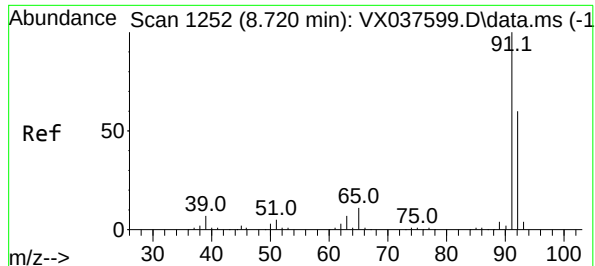
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#51
4-Methyl-2-Pentanone
Concen: 4.262 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX037653.D
Acq: 11 Sep 2023 20:38

Tgt Ion: 43 Resp: 14455
Ion Ratio Lower Upper
43 100
58 39.7 30.4 45.6





#52

Toluene

Concen: 0.956 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 92 Resp: 5190

Ion Ratio Lower Upper

92 100

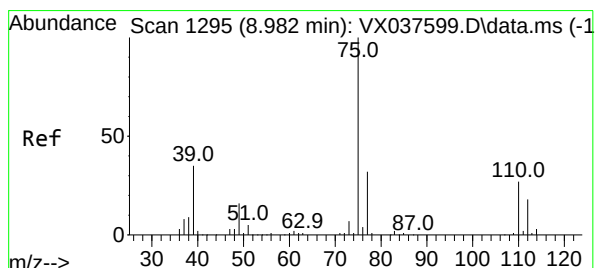
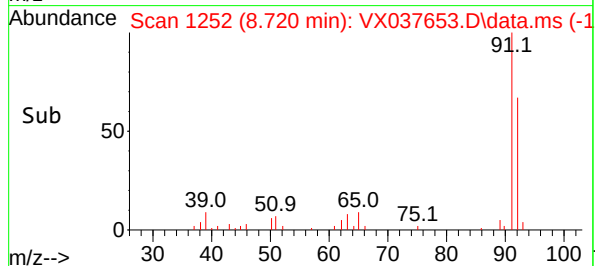
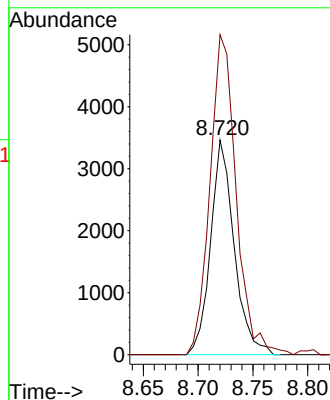
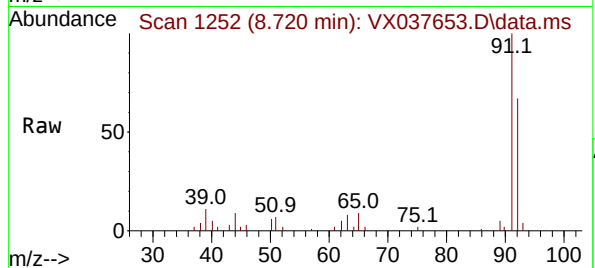
91 165.2 134.2 201.2

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Supervised By :Mahesh Dadoda 09/12/2023



#53

t-1,3-Dichloropropene

Concen: 0.736 ug/l

RT: 8.982 min Scan# 1295

Delta R.T. 0.000 min

Lab File: VX037653.D

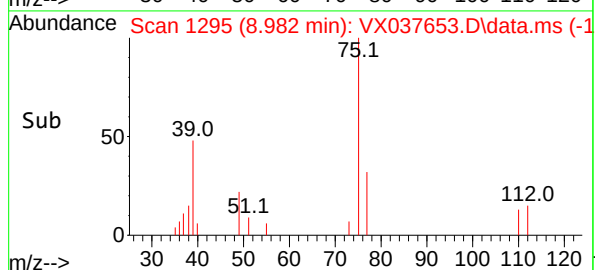
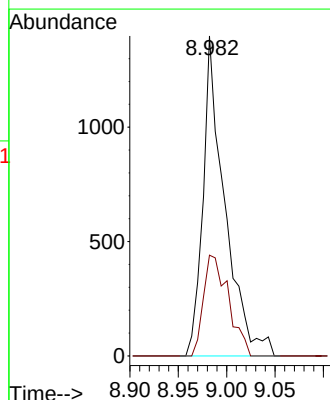
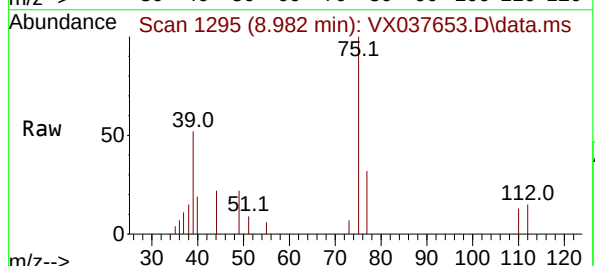
Acq: 11 Sep 2023 20:38

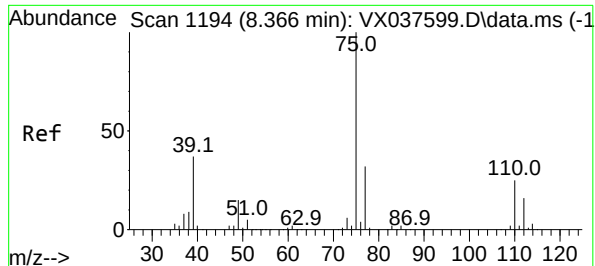
Tgt Ion: 75 Resp: 2190

Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5





#54

cis-1,3-Dichloropropene

Concen: 0.828 ug/l

RT: 8.372 min Scan# 1195

Delta R.T. 0.006 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

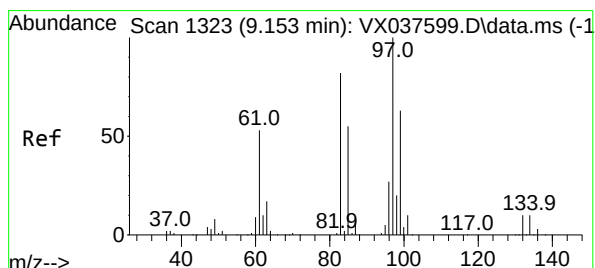
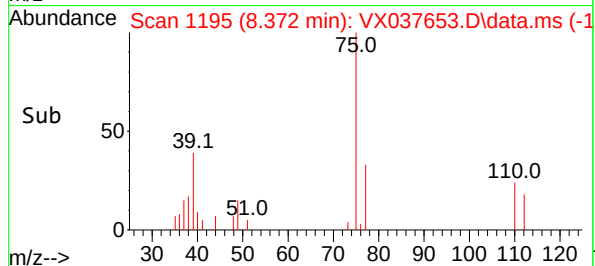
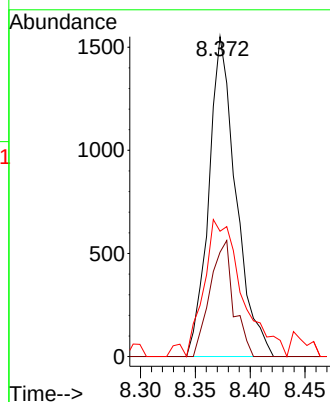
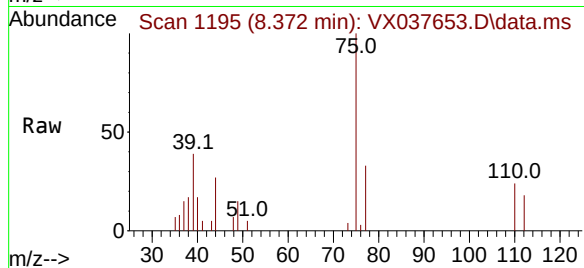
Tgt Ion:	75	Resp:	268
Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.3	37.9
39	35.3	46.7	70.1

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#55

1,1,2-Trichloroethane

Concen: 0.885 ug/l

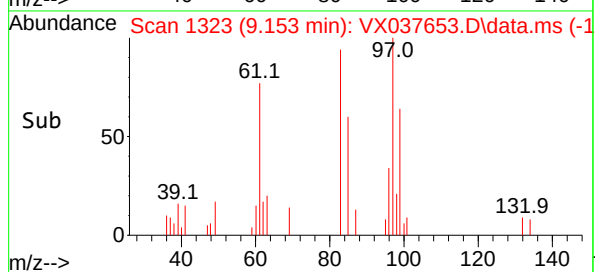
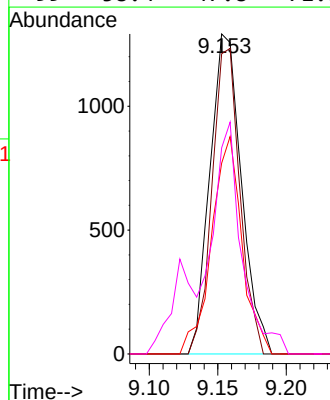
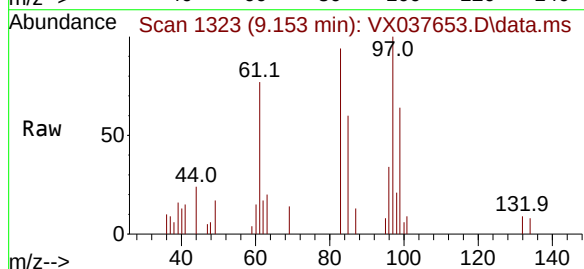
RT: 9.153 min Scan# 1323

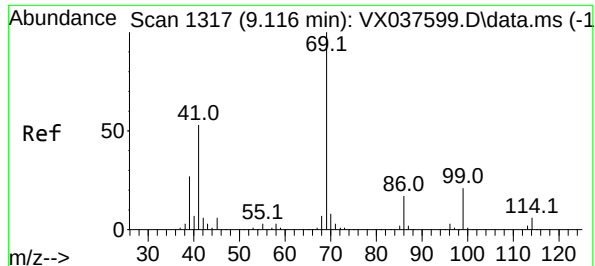
Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Tgt Ion:	97	Resp:	2066
Ion	Ratio	Lower	Upper
97	100		
83	93.8	65.8	98.8
85	59.6	41.6	62.4
99	58.4	47.8	71.8





#56

Ethyl methacrylate

Concen: 0.814 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

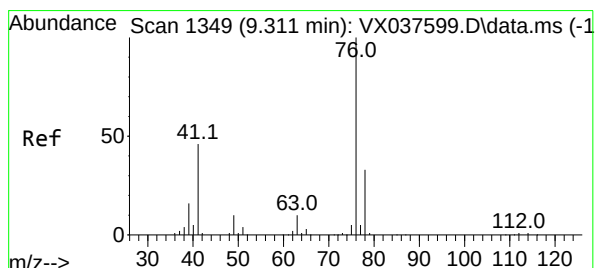
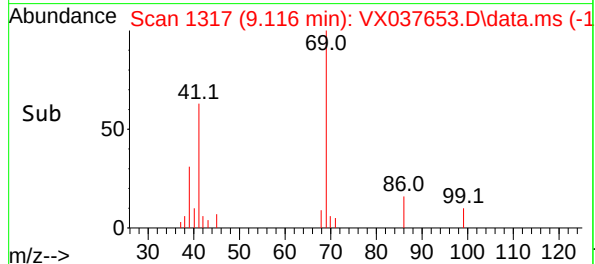
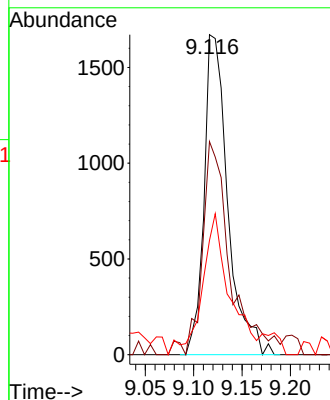
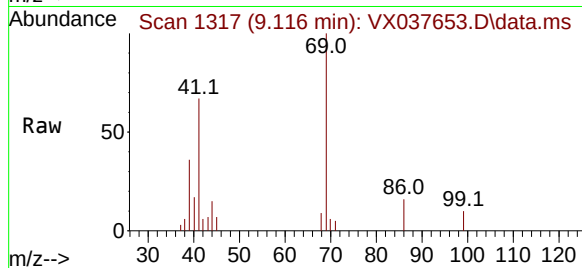
Tgt Ion: 69	Resp: 2854
Ion Ratio	Lower Upper
69 100	
41 78.4	56.8 85.2
39 50.3	32.0 48.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#57

1,3-Dichloropropane

Concen: 0.966 ug/l

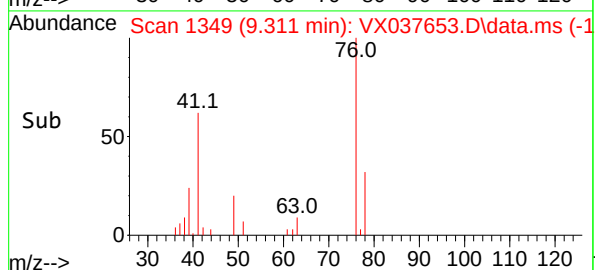
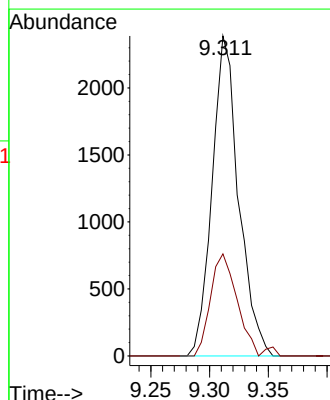
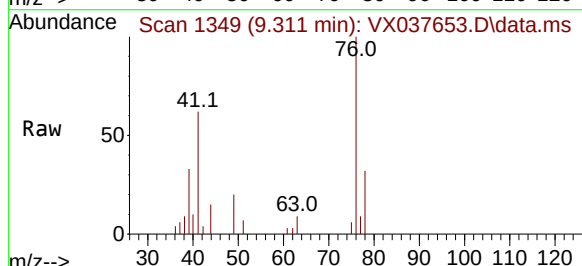
RT: 9.311 min Scan# 1349

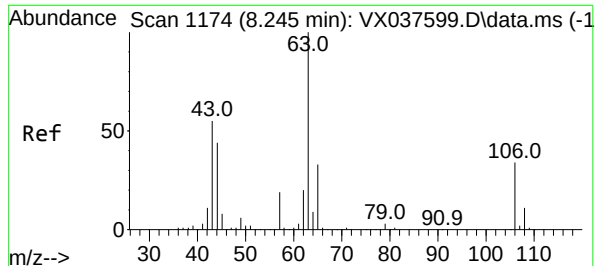
Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Tgt Ion: 76	Resp: 3753		
Ion Ratio	Lower	Upper	
76 100			
78 32.8	26.1	39.1	





#58

2-Chloroethyl Vinyl ether

Concen: 4.763 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 63 Resp: 8064

Ion Ratio Lower Upper

63 100

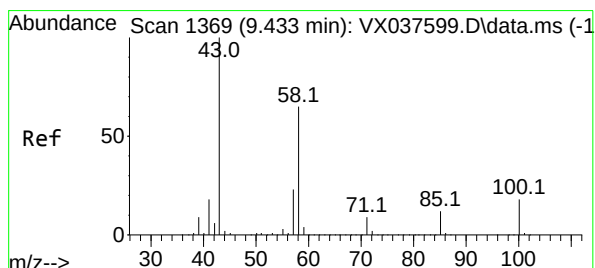
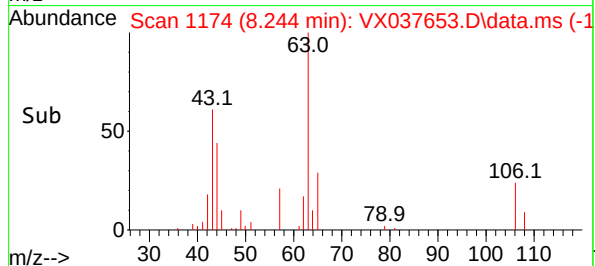
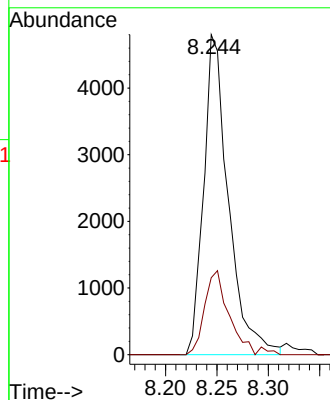
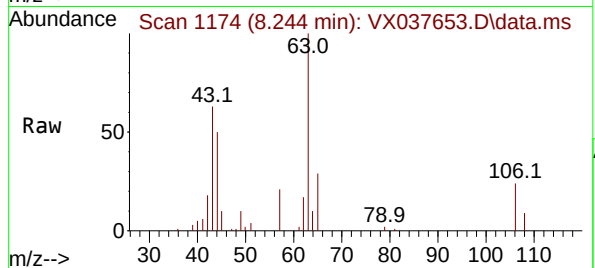
106 26.3 22.5 33.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#59

2-Hexanone

Concen: 4.222 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.006 min

Lab File: VX037653.D

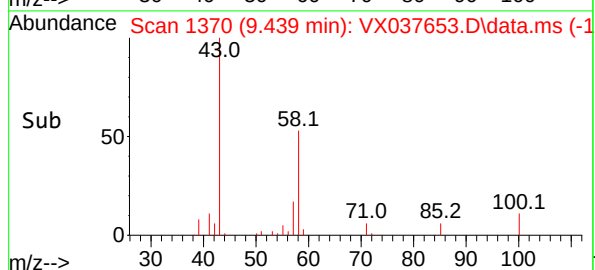
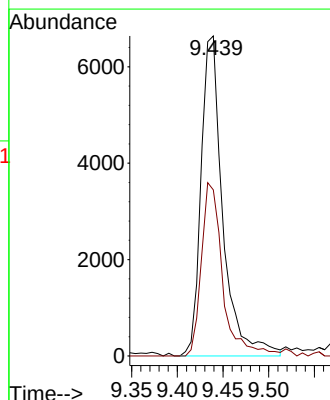
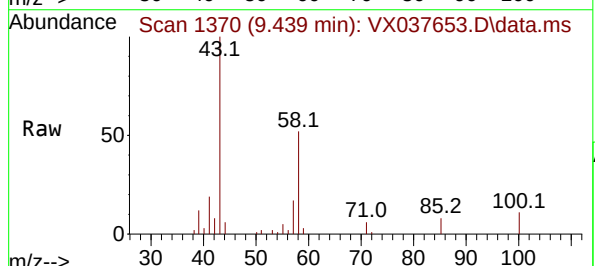
Acq: 11 Sep 2023 20:38

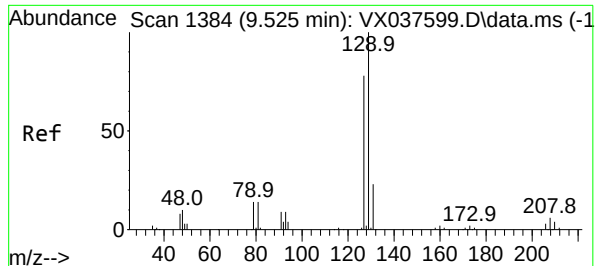
Tgt Ion: 43 Resp: 10982

Ion Ratio Lower Upper

43 100

58 53.1 26.2 78.5





#60

Dibromochloromethane

Concen: 0.783 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:129 Resp: 1775

Ion Ratio Lower Upper

129 100

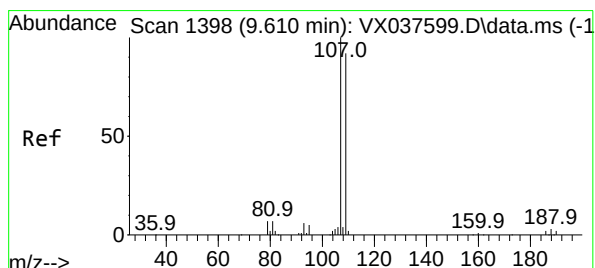
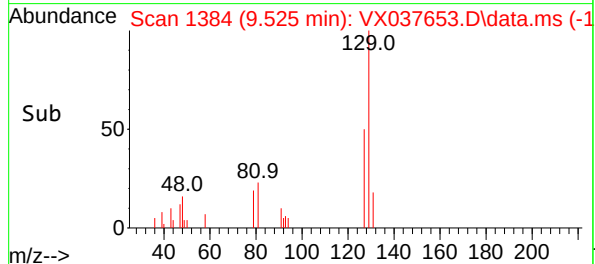
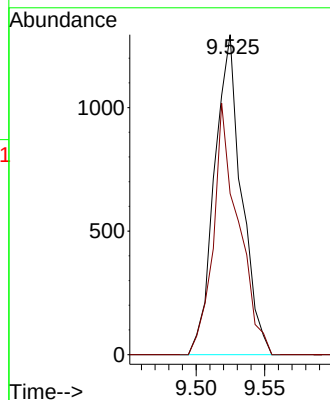
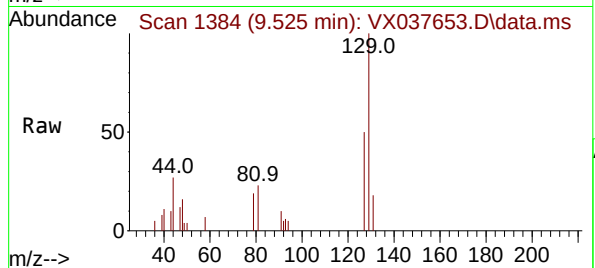
127 72.8 38.8 116.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#61

1,2-Dibromoethane

Concen: 0.916 ug/l

RT: 9.616 min Scan# 1399

Delta R.T. 0.006 min

Lab File: VX037653.D

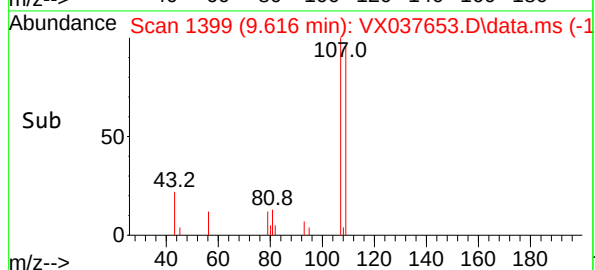
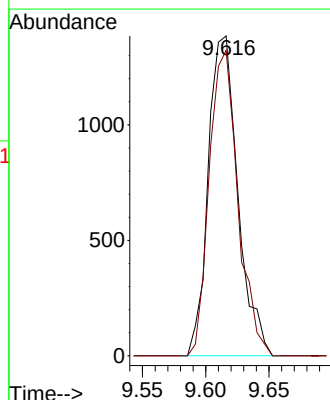
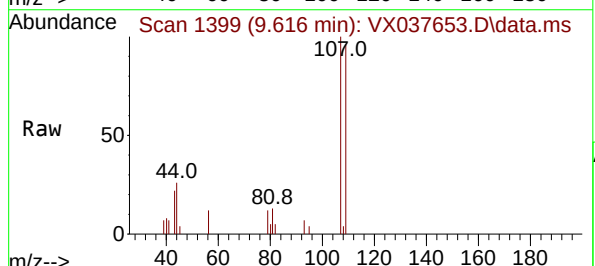
Acq: 11 Sep 2023 20:38

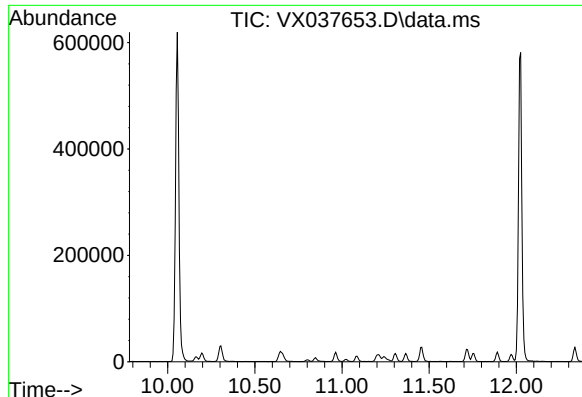
Tgt Ion:107 Resp: 2254

Ion Ratio Lower Upper

107 100

109 92.5 75.2 112.8





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.08 min

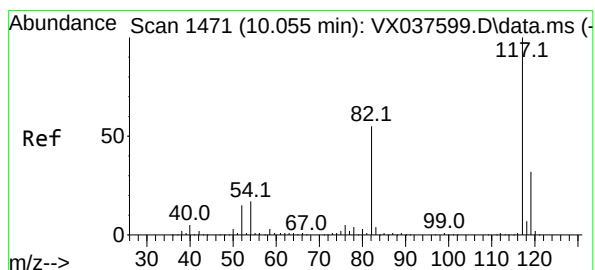
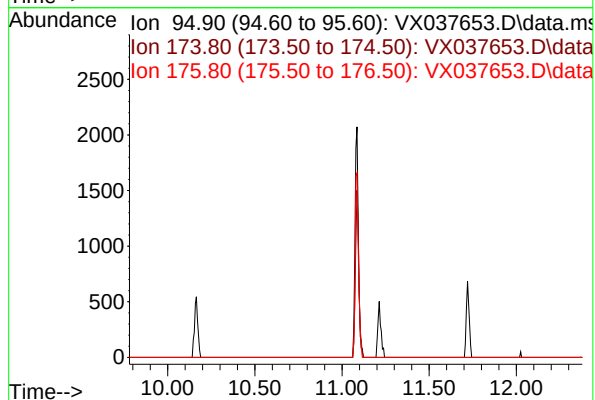
Lab File: VX037653.D
Acq: 11 Sep 2023 20:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 95
Sig Exp Ratio
95 100
174 67.8
176 65.5

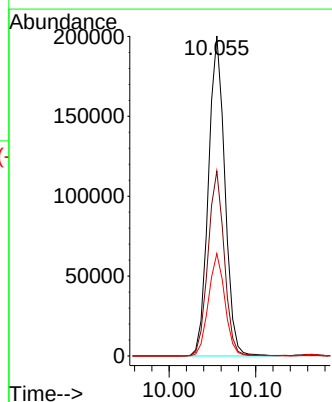
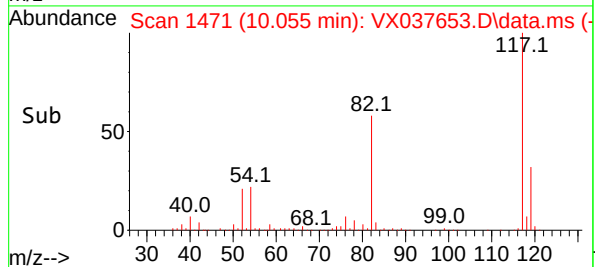
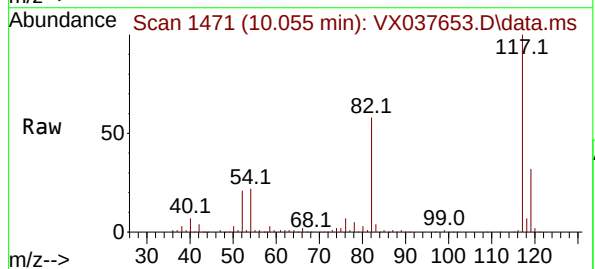
Manual Integrations
APPROVED

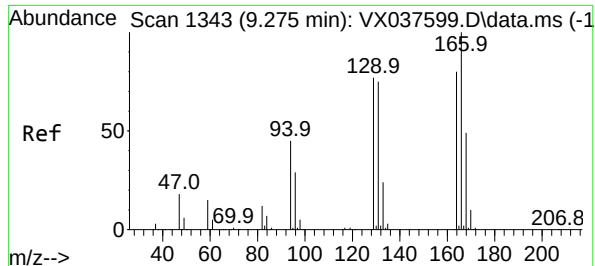
Reviewed By : John Carlone 09/12/2023
Supervised By : Mahesh Dadoda 09/12/2023



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037653.D
Acq: 11 Sep 2023 20:38

Tgt Ion: 117 Resp: 263828
Ion Ratio Lower Upper
117 100
82 57.8 46.2 69.4
119 32.0 25.5 38.3



#64
Tetrachloroethene

Concen: 1.133 ug/l

RT: 9.275 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

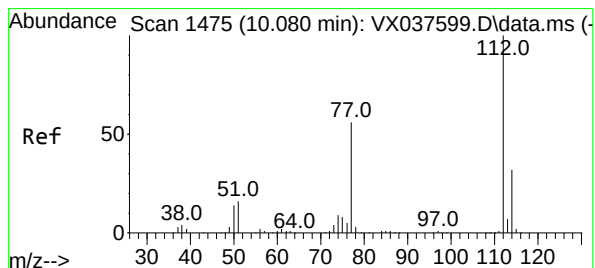
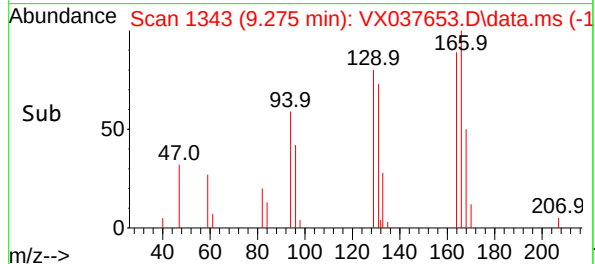
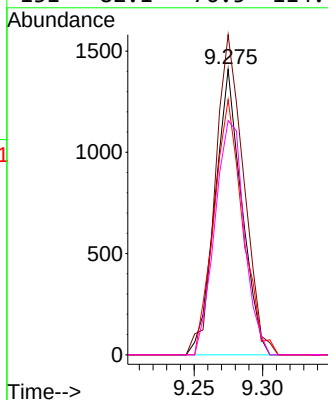
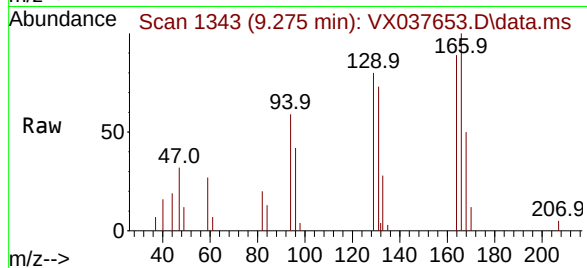
VSTDICC001

Tgt Ion:164	Resp:	191
Ion	Ratio	Lower Upper
164	100	
166	112.1	102.7 154.1
129	89.4	80.4 120.6
131	82.1	76.5 114.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#65

Chlorobenzene

Concen: 0.989 ug/l

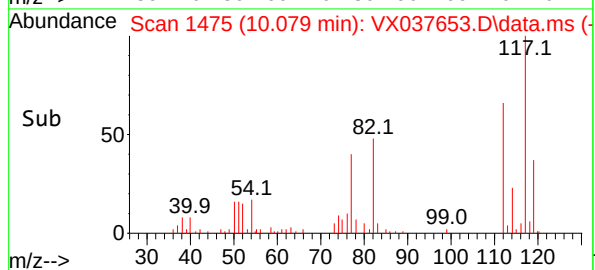
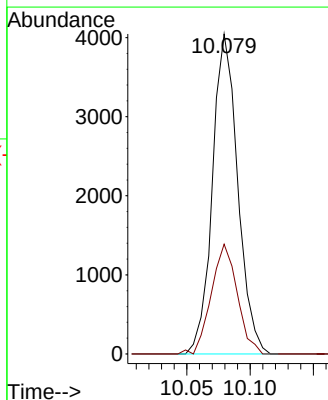
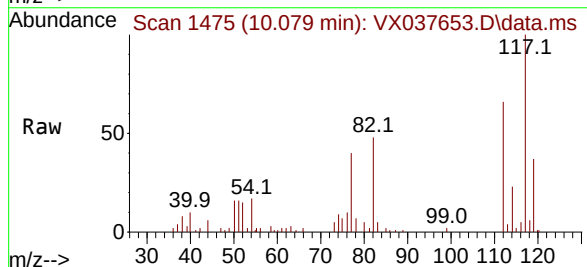
RT: 10.079 min Scan# 1475

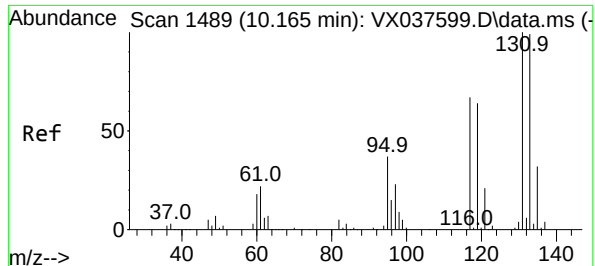
Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Tgt Ion:112	Resp:	5626
Ion	Ratio	Lower Upper
112	100	
114	34.3	25.7 38.5





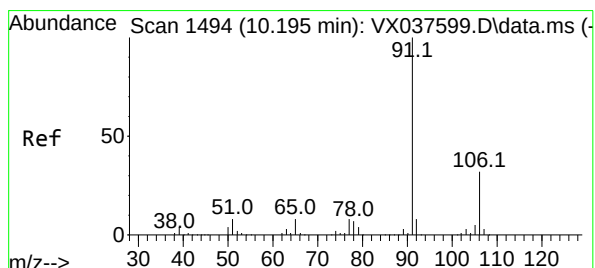
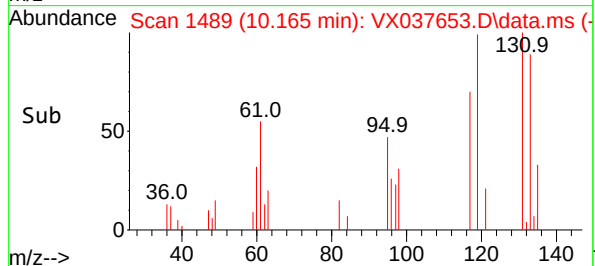
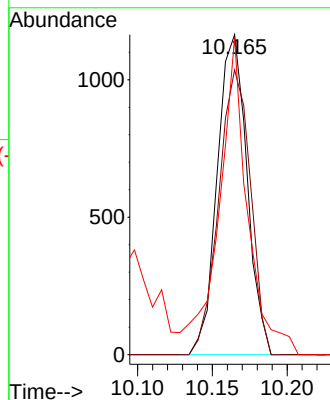
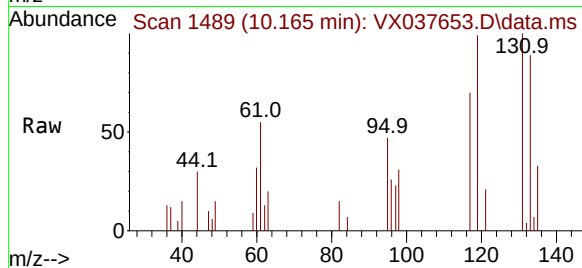
#66
1,1,1,2-Tetrachloroethane
Concen: 0.810 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VX037653.D
Acq: 11 Sep 2023 20:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:131 Resp: 160
Ion Ratio Lower Upper
131 100
133 95.1 47.1 141.4
119 0.0 32.2 96.6

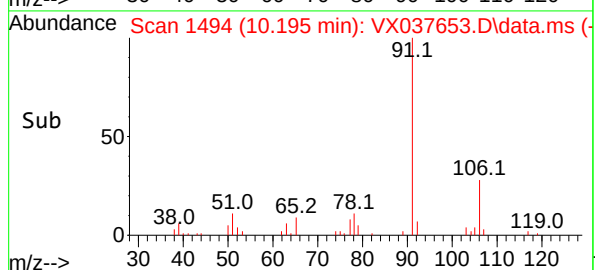
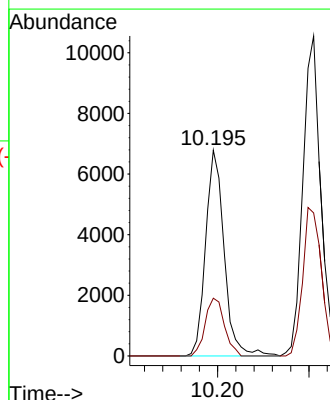
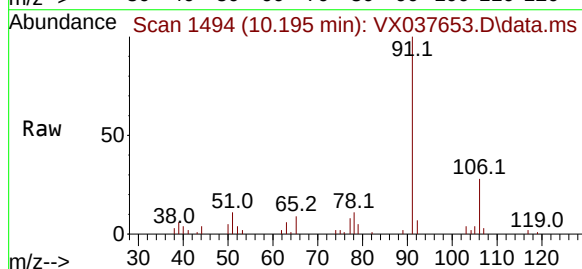
Manual Integrations
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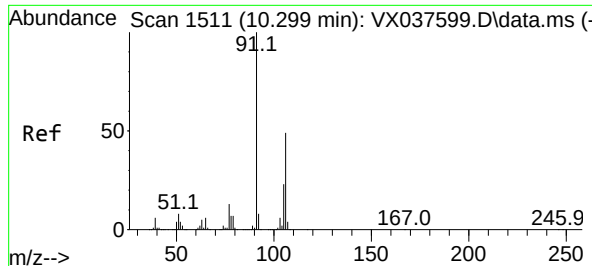
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#67
Ethyl Benzene
Concen: 0.943 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX037653.D
Acq: 11 Sep 2023 20:38

Tgt Ion: 91 Resp: 9538
Ion Ratio Lower Upper
91 100
106 28.1 24.9 37.3





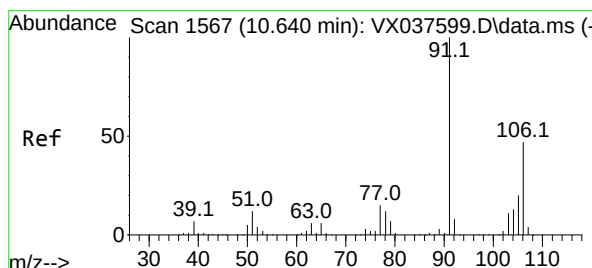
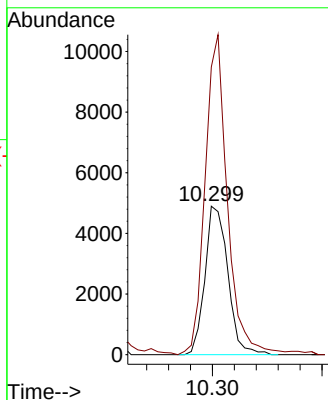
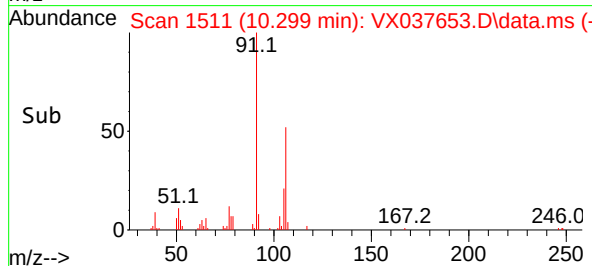
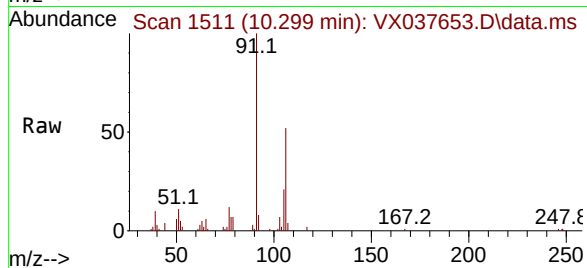
#68
m/p-Xylenes
Concen: 1.846 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX037653.D
Acq: 11 Sep 2023 20:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 7114
Ion Ratio Lower Upper
106 100
91 210.5 165.5 248.3

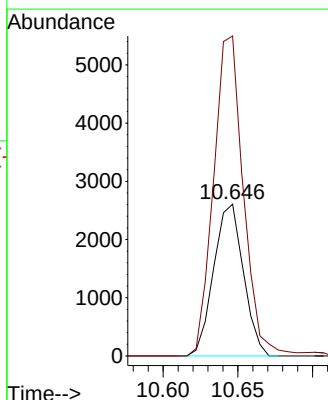
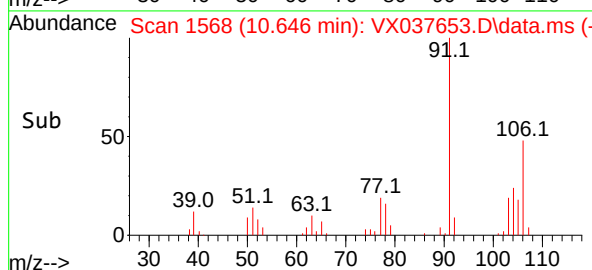
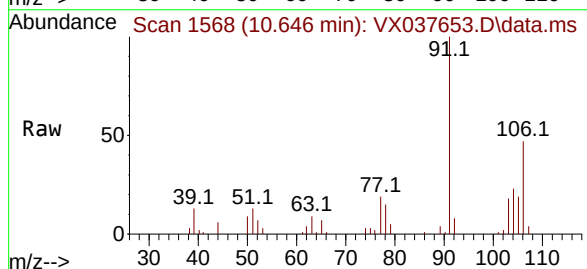
Manual Integrations
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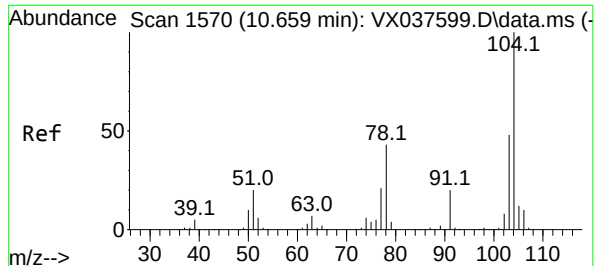
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#69
o-Xylene
Concen: 0.944 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX037653.D
Acq: 11 Sep 2023 20:38

Tgt Ion:106 Resp: 3606
Ion Ratio Lower Upper
106 100
91 213.0 108.9 326.8





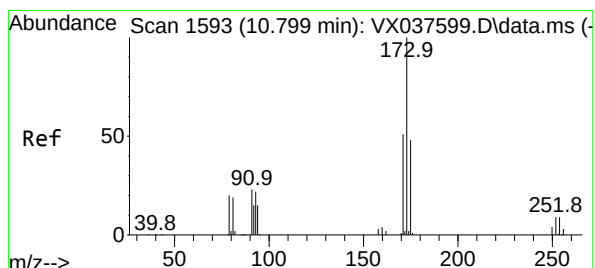
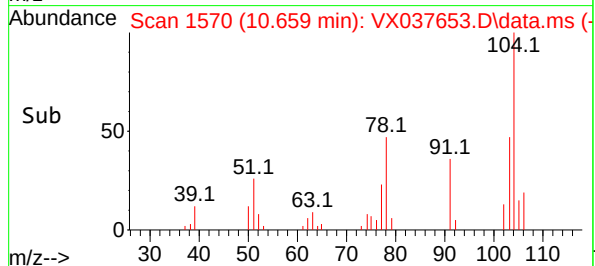
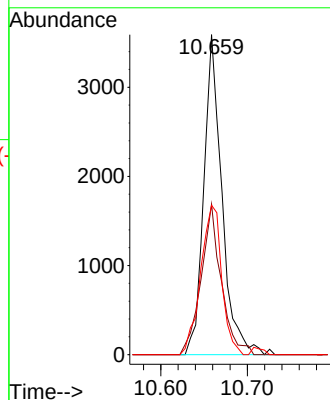
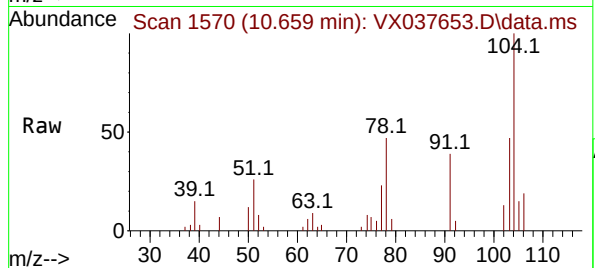
#70
Styrene
Concen: 0.830 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VX037653.D
Acq: 11 Sep 2023 20:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:104 Resp: 5230
Ion Ratio Lower Upper
104 100
78 52.3 43.6 65.4
103 54.2 43.6 65.4

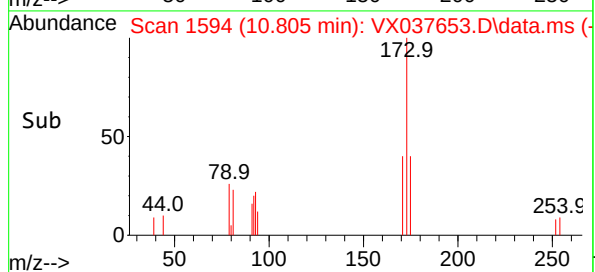
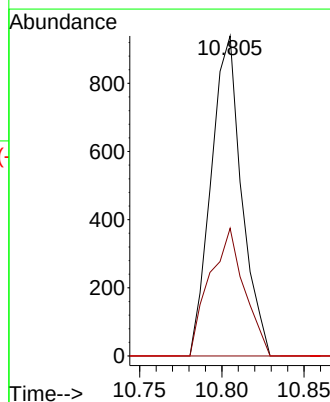
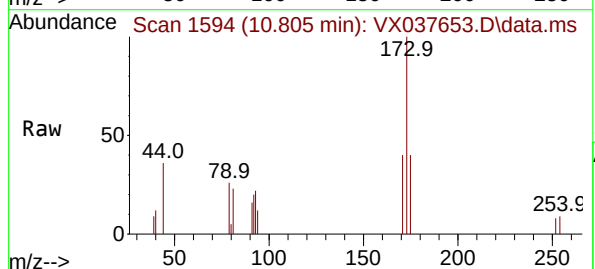
Manual Integrations
APPROVED

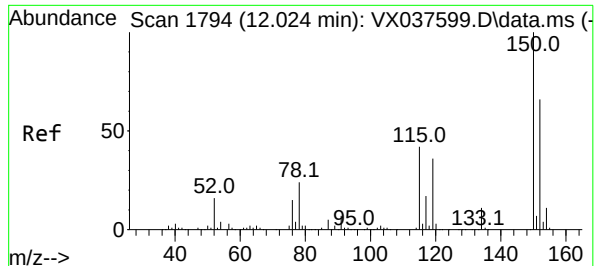
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#71
Bromoform
Concen: 0.801 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX037653.D
Acq: 11 Sep 2023 20:38

Tgt Ion:173 Resp: 1216
Ion Ratio Lower Upper
173 100
175 45.2 24.1 72.4
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 116562

Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:152 Resp: 116562

Ion Ratio Lower Upper

152 100

115 61.7 43.3 129.9

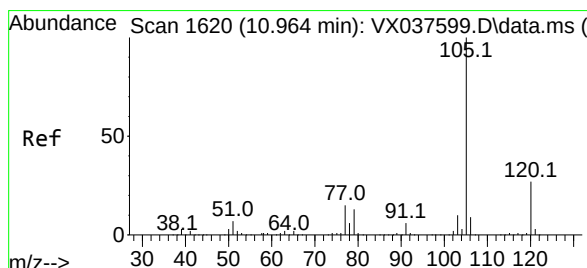
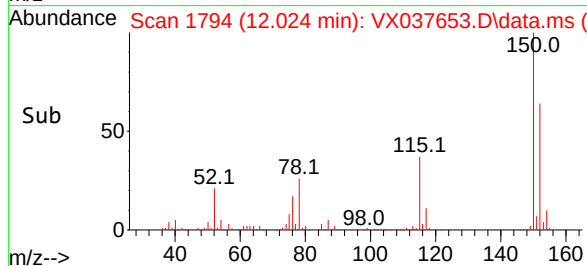
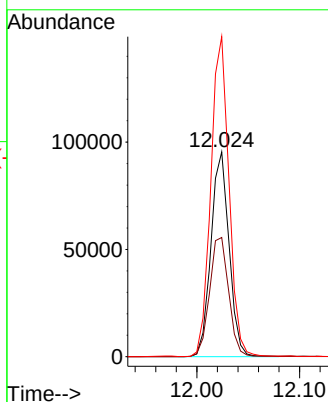
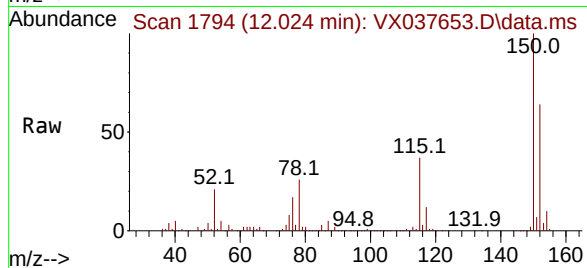
150 156.3 0.0 345.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#73

Isopropylbenzene

Concen: 1.001 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VX037653.D

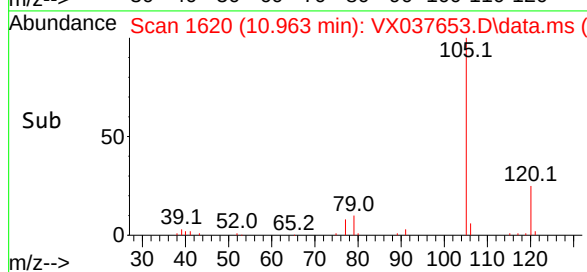
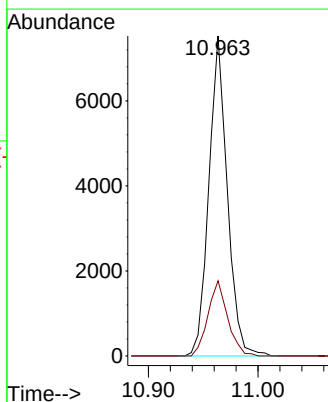
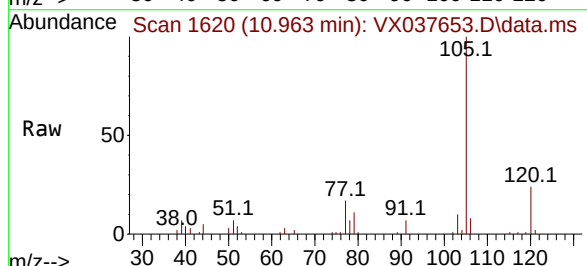
Acq: 11 Sep 2023 20:38

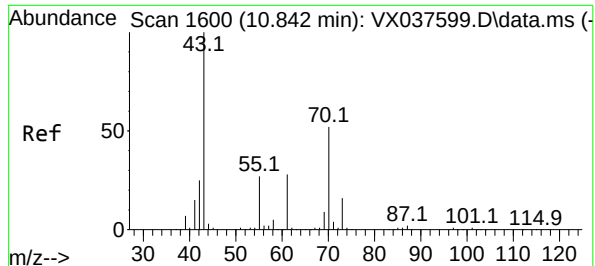
Tgt Ion:105 Resp: 8785

Ion Ratio Lower Upper

105 100

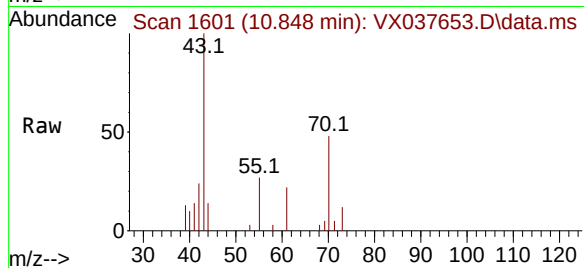
120 25.1 12.9 38.6





#74
N-amy1 acetate
Concen: 0.906 ug/l
RT: 10.848 min Scan# 1600
Delta R.T. 0.006 min
Lab File: VX037653.D
Acq: 11 Sep 2023 20:38

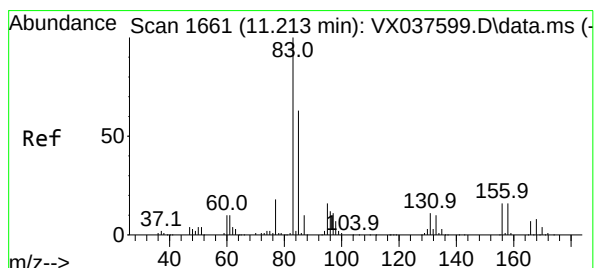
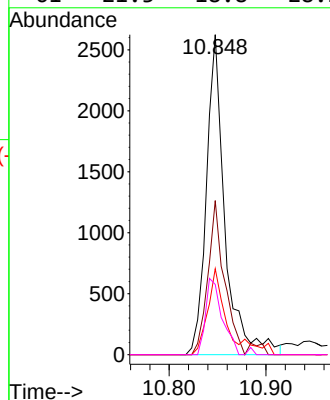
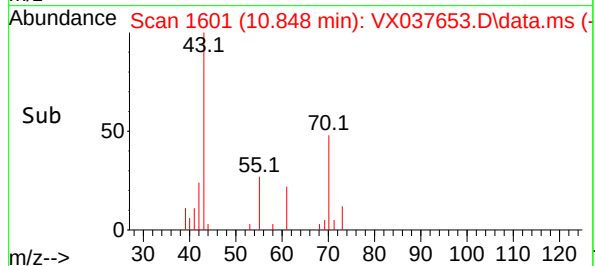
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



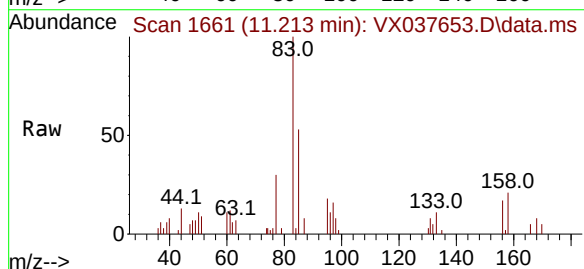
Tgt Ion: 43 Resp: 3509
Ion Ratio Lower Upper
43 100
70 42.7 32.9 49.3
55 28.2 19.3 28.9
61 21.3 18.8 28.2

Manual Integrations
APPROVED

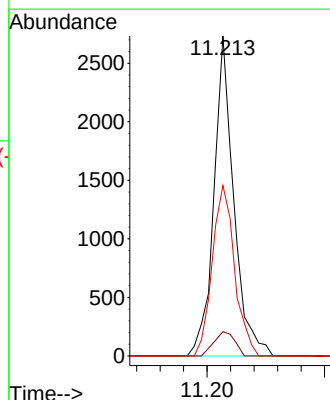
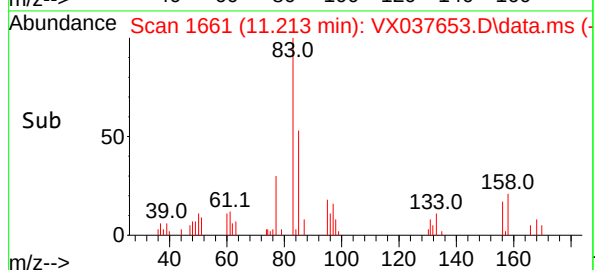
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

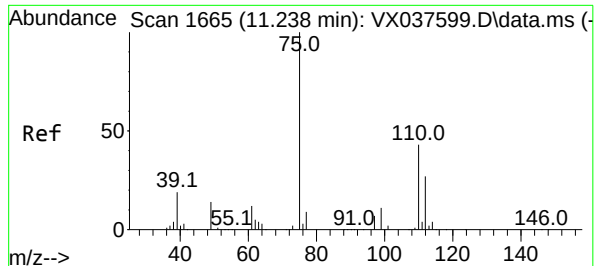


#75
1,1,2,2-Tetrachloroethane
Concen: 0.965 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX037653.D
Acq: 11 Sep 2023 20:38



Tgt Ion: 83 Resp: 3211
Ion Ratio Lower Upper
83 100
131 7.9 5.3 15.8
85 59.7 32.0 96.2





#76

1,2,3-Trichloropropane

Concen: 1.008 ug/l m

RT: 11.244 min Scan# 1666

Delta R.T. 0.006 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 75 Resp: 265

Ion Ratio Lower Upper

75 100

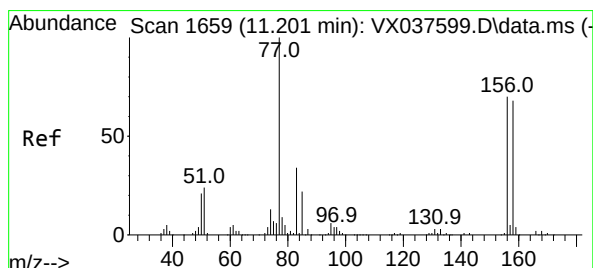
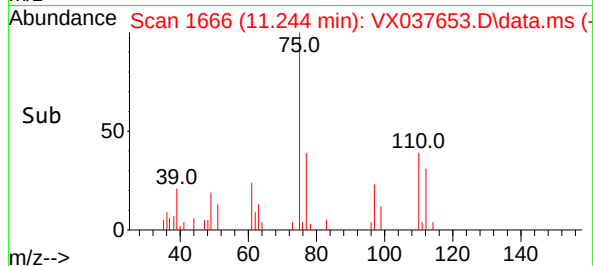
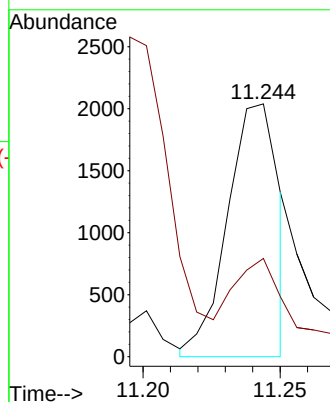
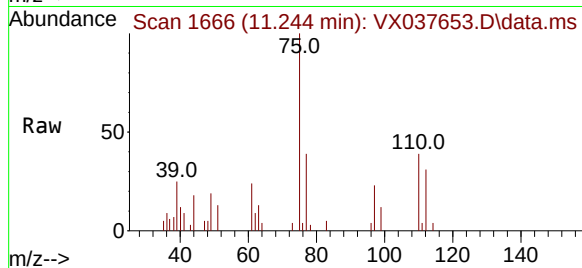
77 45.6 19.1 57.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#77

Bromobenzene

Concen: 1.000 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

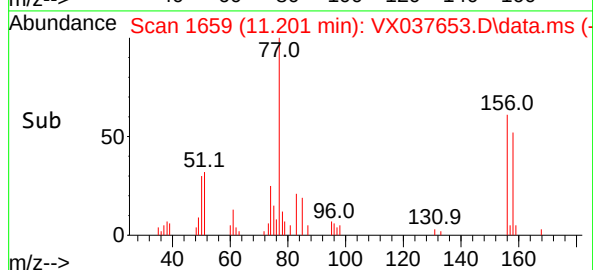
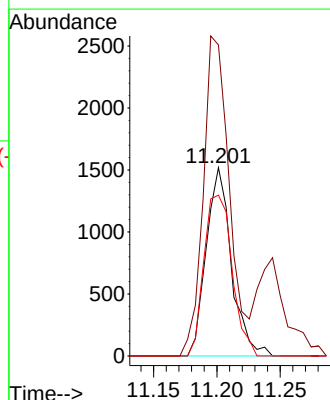
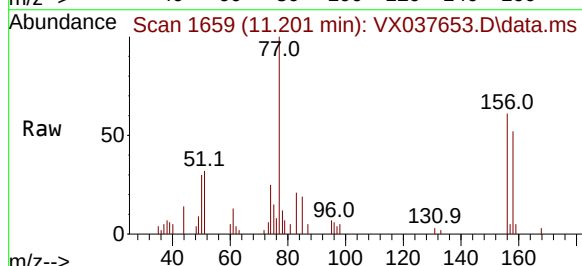
Tgt Ion:156 Resp: 2105

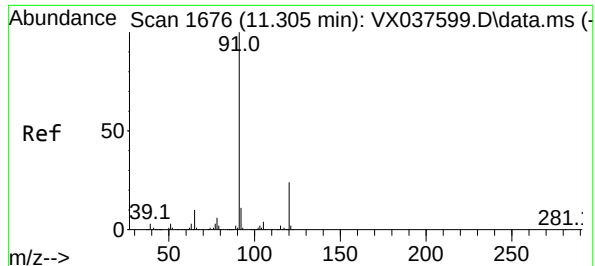
Ion Ratio Lower Upper

156 100

77 176.3 88.4 265.3

158 95.6 48.0 144.0





#78

n-propylbenzene

Concen: 0.979 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 91 Resp: 9910

Ion Ratio Lower Upper

91 100

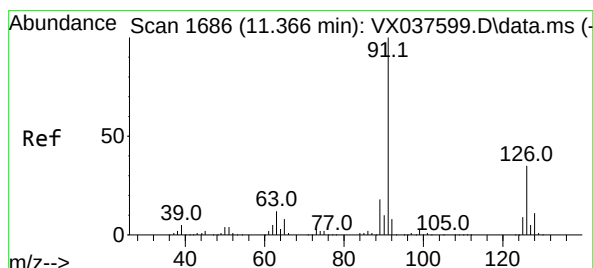
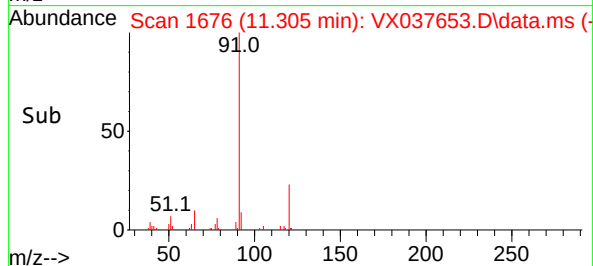
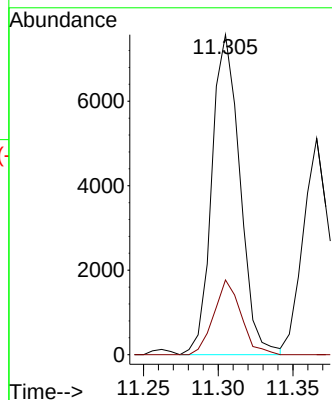
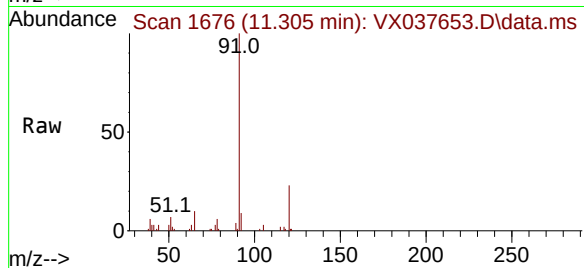
120 22.6 11.5 34.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#79

2-Chlorotoluene

Concen: 1.047 ug/l

RT: 11.366 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VX037653.D

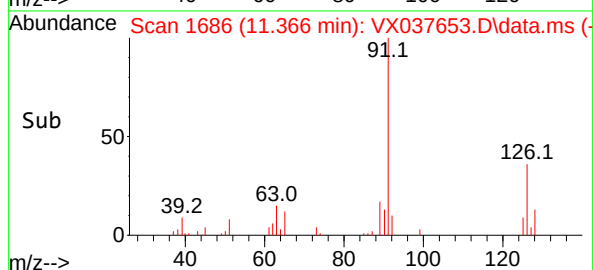
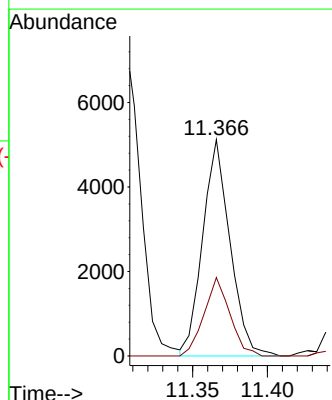
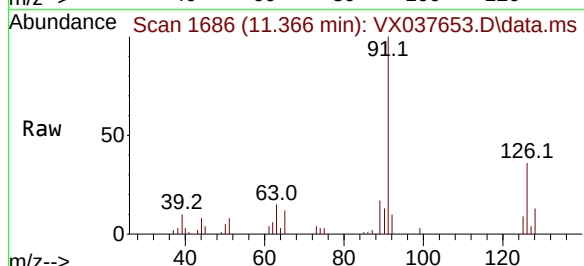
Acq: 11 Sep 2023 20:38

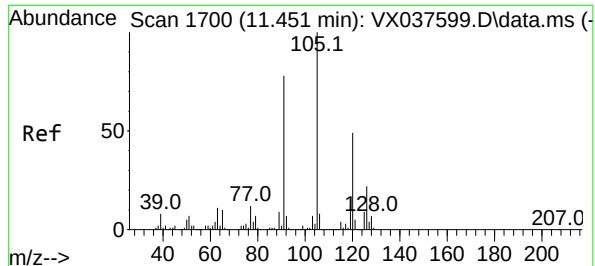
Tgt Ion: 91 Resp: 6518

Ion Ratio Lower Upper

91 100

126 34.4 16.3 48.8





#80

1,3,5-Trimethylbenzene

Concen: 0.939 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 695

Ion Ratio Lower Upper

105 100

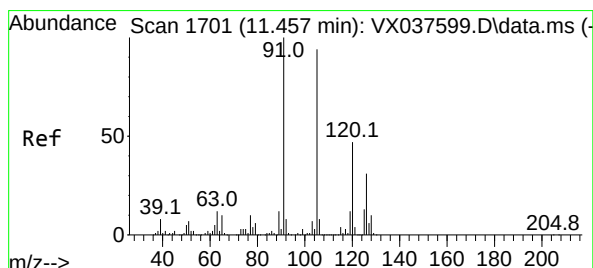
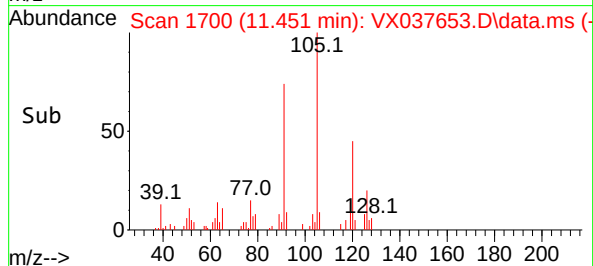
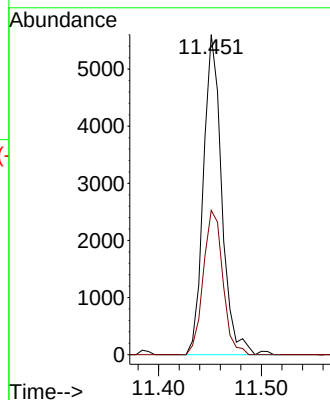
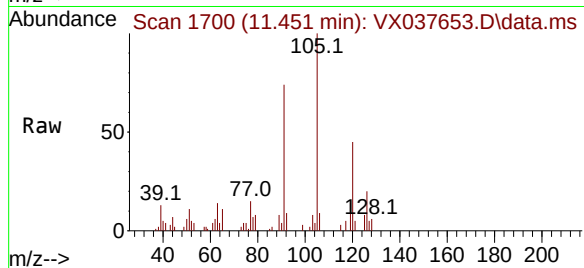
120 48.0 24.1 72.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#82

4-Chlorotoluene

Concen: 1.025 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VX037653.D

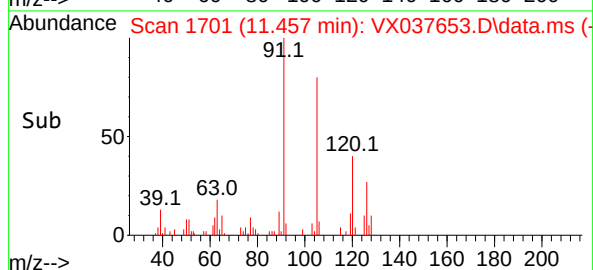
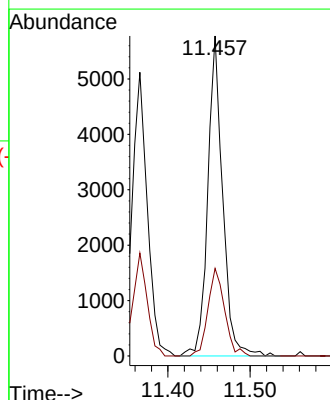
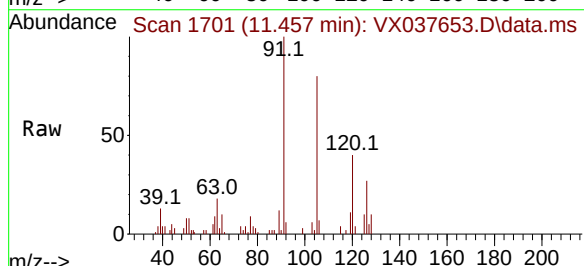
Acq: 11 Sep 2023 20:38

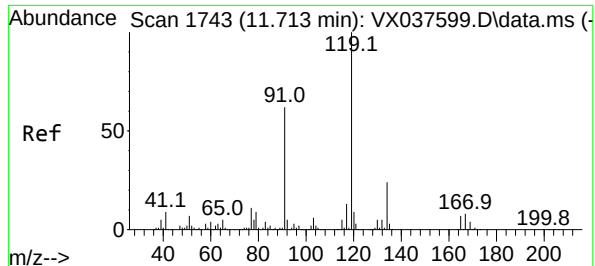
Tgt Ion: 91 Resp: 7261

Ion Ratio Lower Upper

91 100

126 30.6 14.2 42.6





#83

tert-Butylbenzene

Concen: 0.968 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

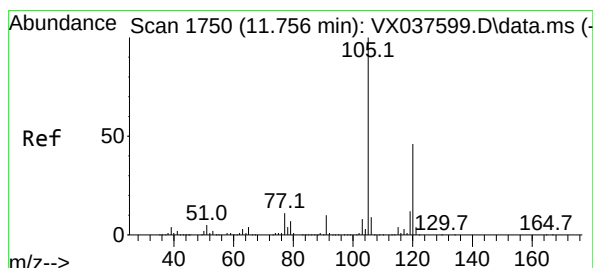
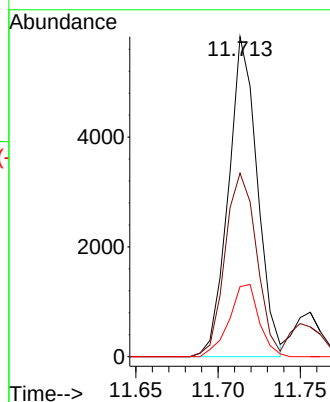
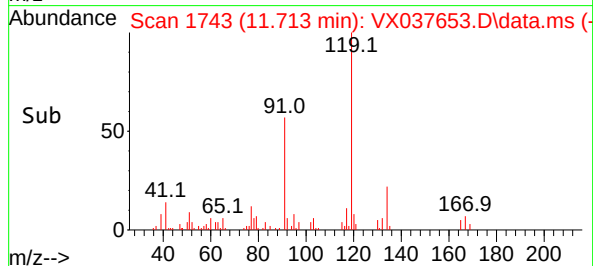
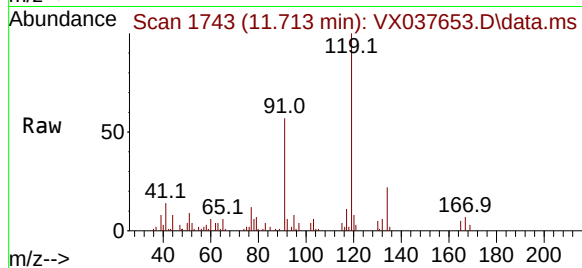
Tgt Ion:	119	Resp:	715
Ion	Ratio	Lower	Upper
119	100		
91	62.5	31.2	93.6
134	23.4	11.7	35.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#84

1,2,4-Trimethylbenzene

Concen: 0.941 ug/l

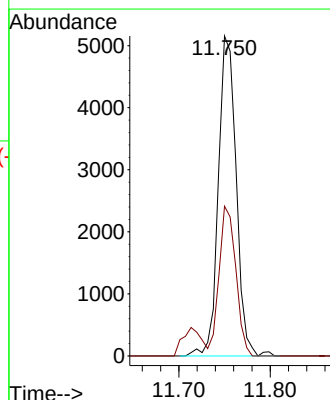
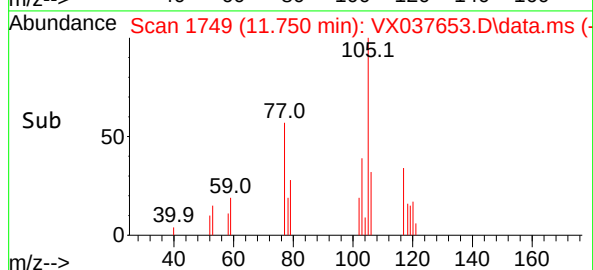
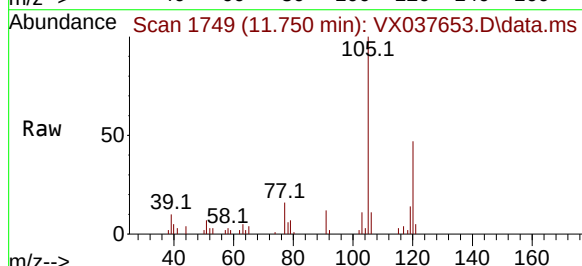
RT: 11.750 min Scan# 1749

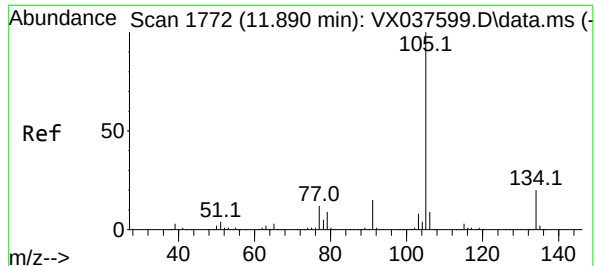
Delta R.T. -0.006 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Tgt Ion:	105	Resp:	7002
Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.2	63.6





#85

sec-Butylbenzene

Concen: 0.957 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 8764

Ion Ratio Lower Upper

105 100

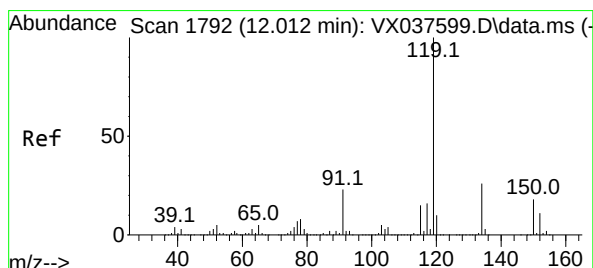
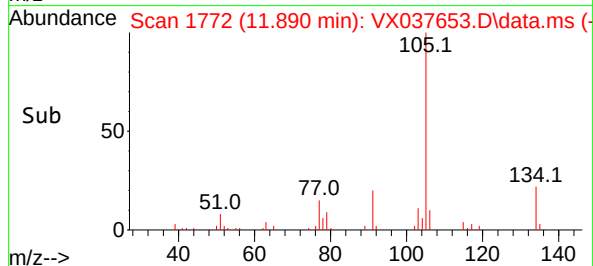
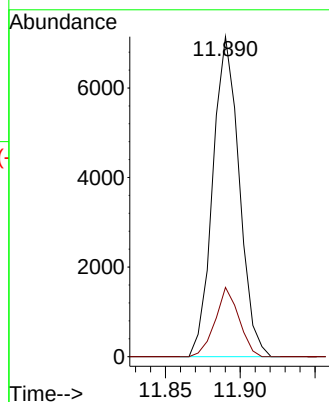
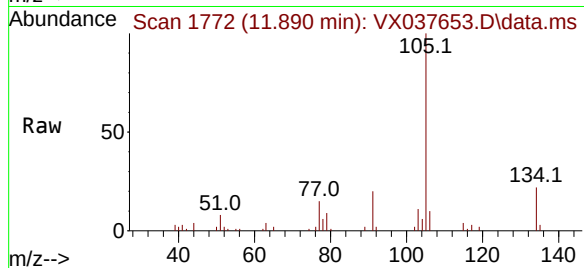
134 19.5 9.8 29.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#86

p-Isopropyltoluene

Concen: 0.908 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

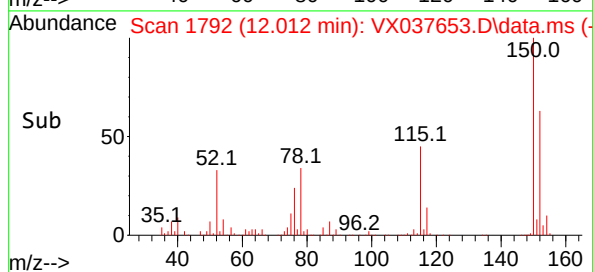
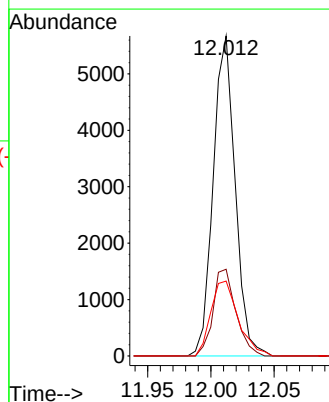
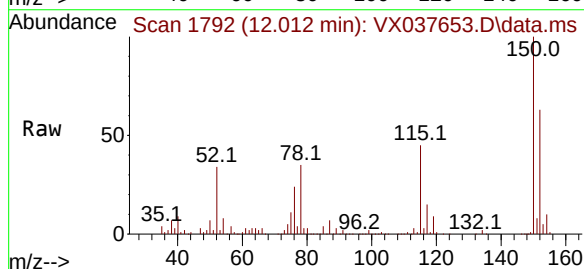
Tgt Ion:119 Resp: 6847

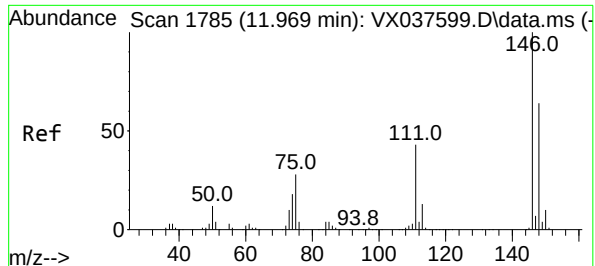
Ion Ratio Lower Upper

119 100

134 28.3 12.8 38.3

91 29.3 13.1 39.3





#87

1,3-Dichlorobenzene

Concen: 1.043 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

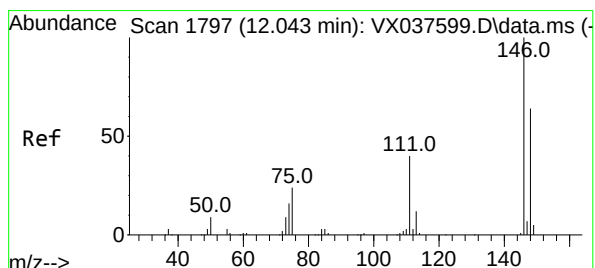
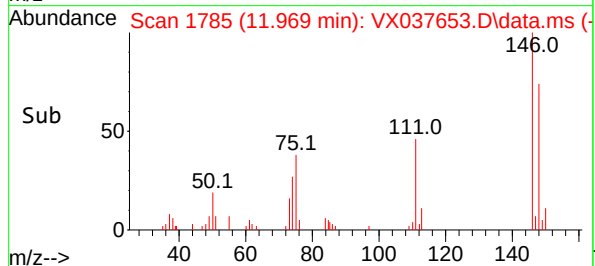
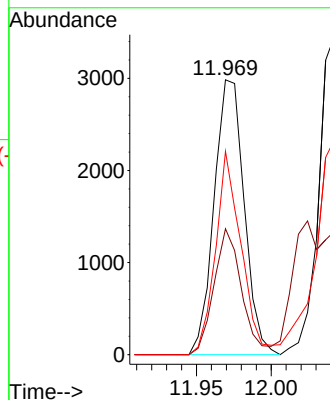
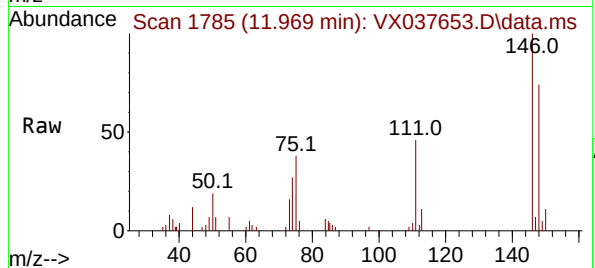
Tgt Ion:146	Resp:	417
Ion Ratio	Lower	Upper
146	100	
111	42.3	22.1 66.1
148	62.9	31.8 95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#88

1,4-Dichlorobenzene

Concen: 1.108 ug/l m

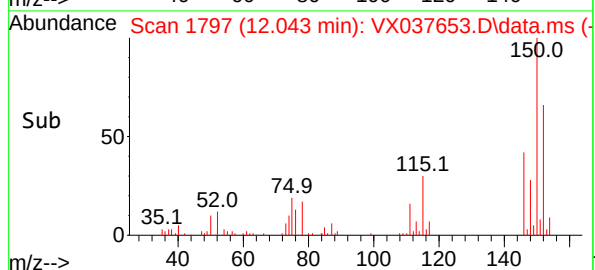
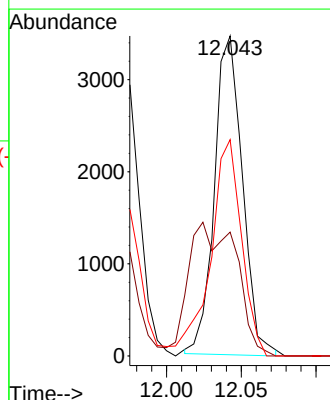
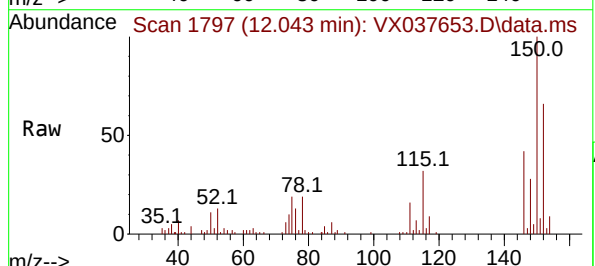
RT: 12.043 min Scan# 1797

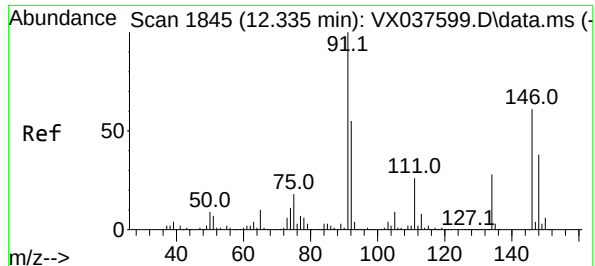
Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Tgt Ion:146	Resp:	4511
Ion Ratio	Lower	Upper
146	100	
111	39.1	21.3 63.7
148	58.1	31.8 95.4





#89

n-Butylbenzene

Concen: 0.908 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 613

Ion Ratio Lower Upper

91 100

92 51.1 27.4 82.0

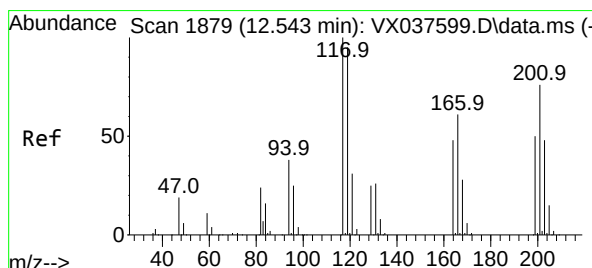
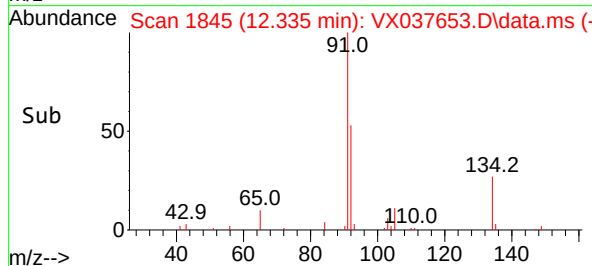
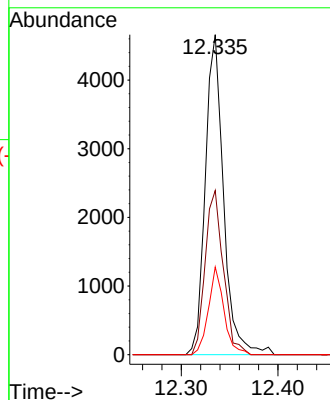
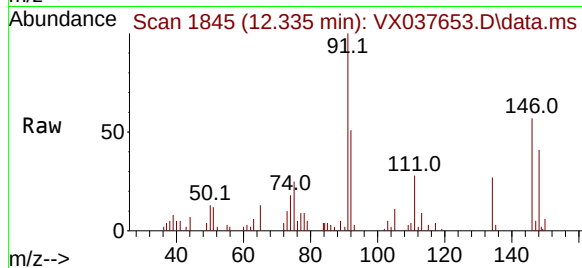
134 23.4 12.6 37.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#90

Hexachloroethane

Concen: 0.819 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.006 min

Lab File: VX037653.D

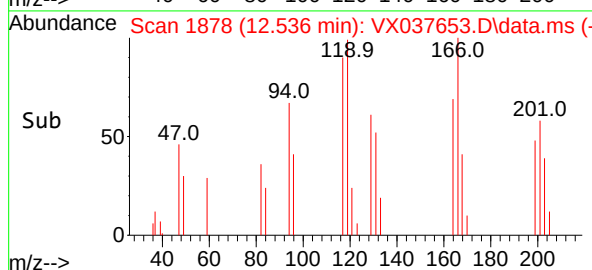
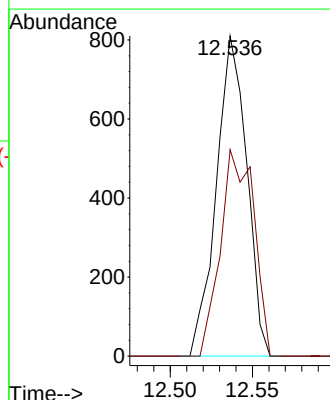
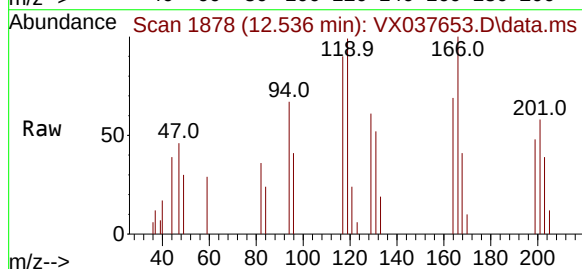
Acq: 11 Sep 2023 20:38

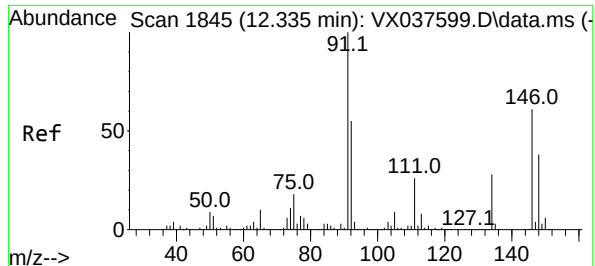
Tgt Ion:117 Resp: 1044

Ion Ratio Lower Upper

117 100

201 70.8 32.9 98.6





#91

1,2-Dichlorobenzene

Concen: 0.955 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

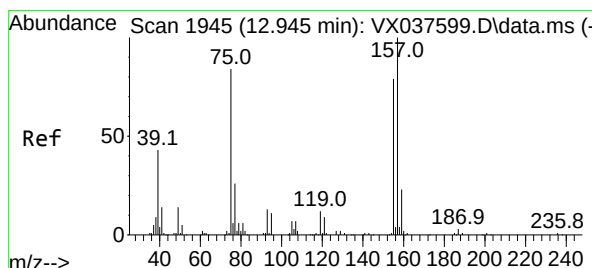
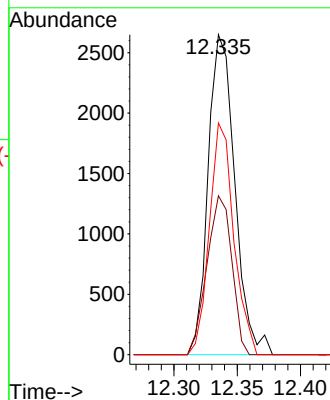
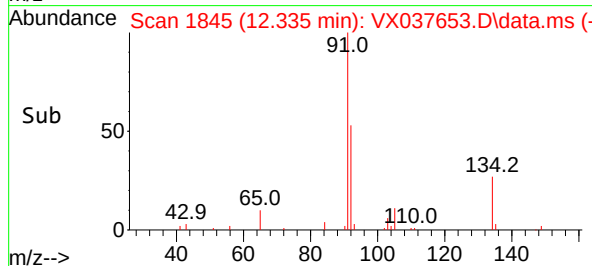
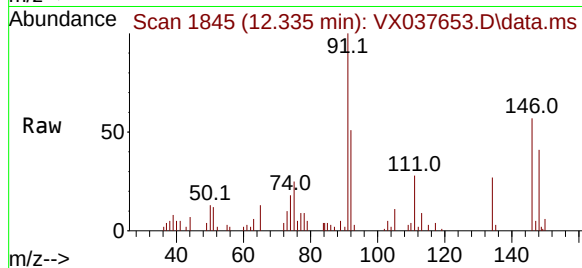
VSTDIC001

Tgt Ion:	146	Resp:	388
Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.4	67.0
148	66.3	31.6	95.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.753 ug/l

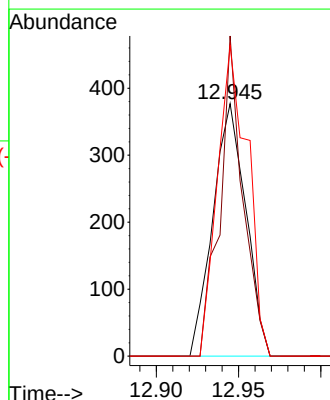
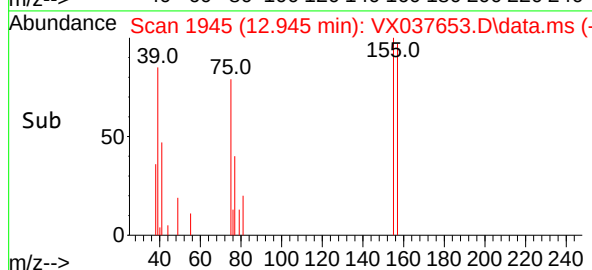
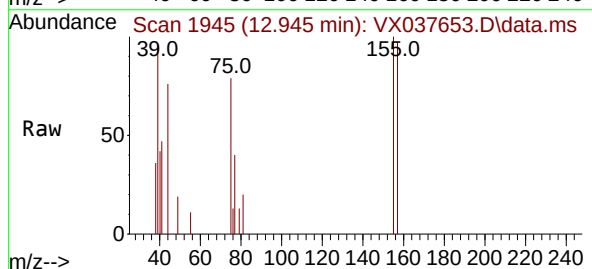
RT: 12.945 min Scan# 1945

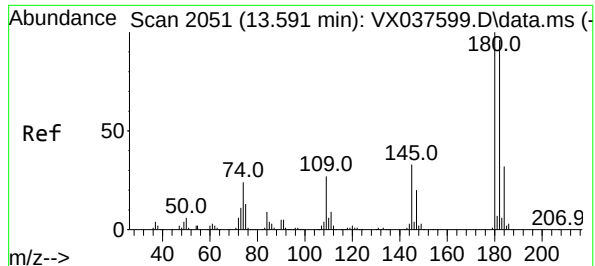
Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Tgt Ion:	75	Resp:	526
Ion	Ratio	Lower	Upper
75	100		
155	88.8	36.1	108.5
157	112.4	44.9	134.7





#93

1,2,4-Trichlorobenzene

Concen: 0.985 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

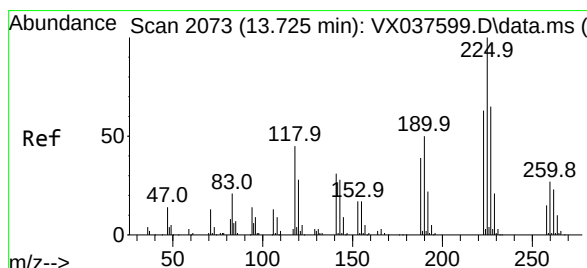
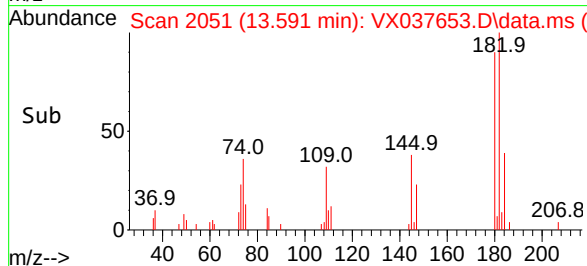
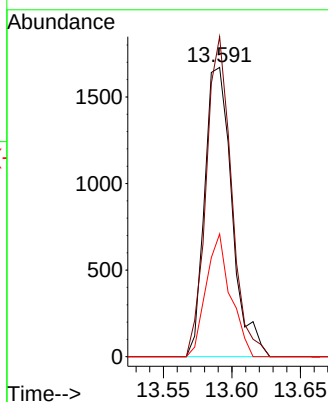
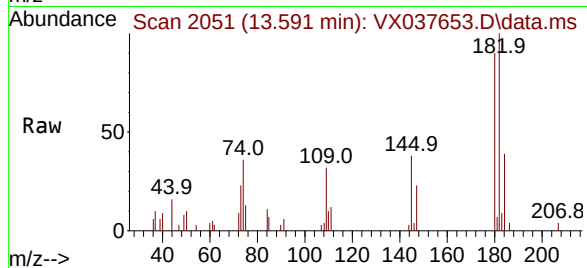
Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.0	48.3	144.8
145	37.9	18.0	54.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#94

Hexachlorobutadiene

Concen: 0.860 ug/l

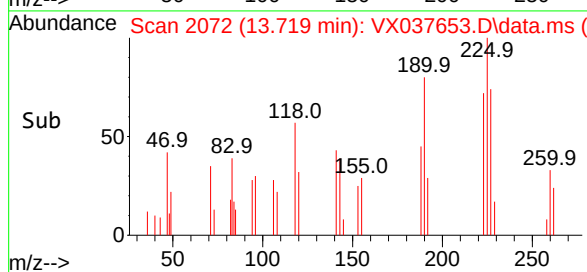
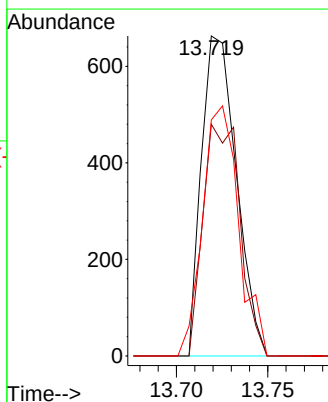
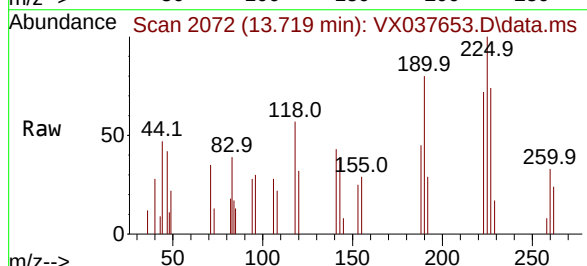
RT: 13.719 min Scan# 2072

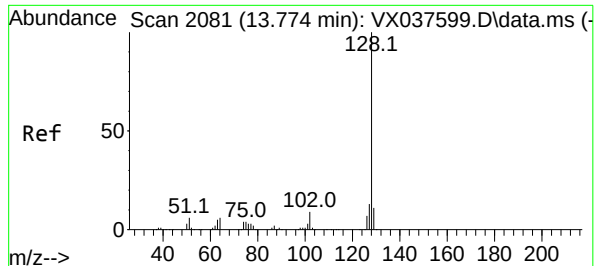
Delta R.T. -0.006 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	76.6	31.1	93.2
227	80.6	32.5	97.5





#95

Naphthalene

Concen: 0.944 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Instrument :

MSVOA_X

ClientSampleId :

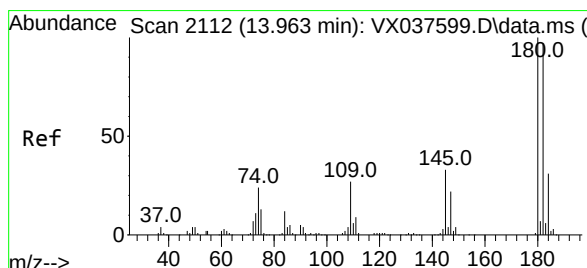
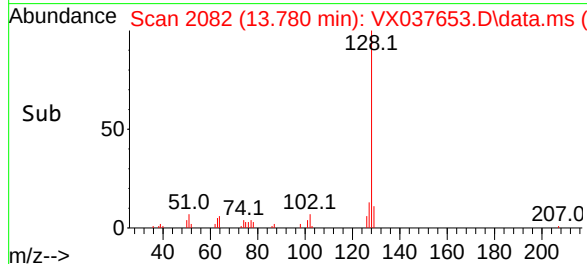
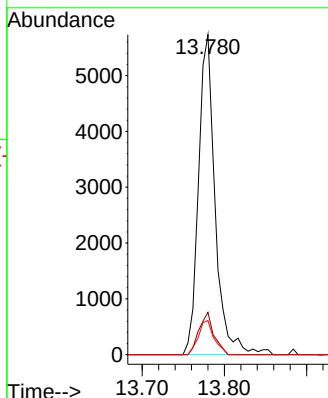
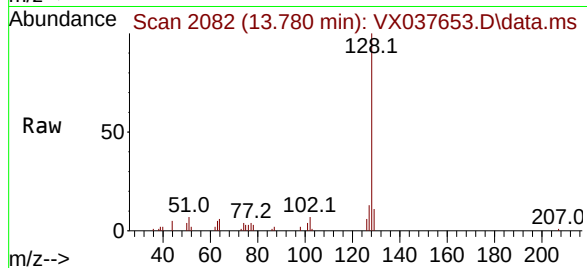
VSTDIC001

Tgt Ion:	128	Resp:	807
Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.3	15.5
129	10.1	8.8	13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#96

1,2,3-Trichlorobenzene

Concen: 1.004 ug/l

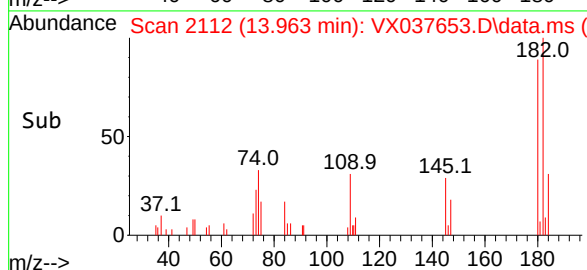
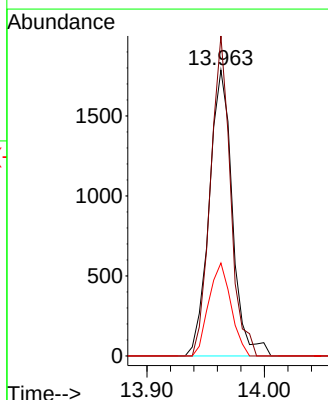
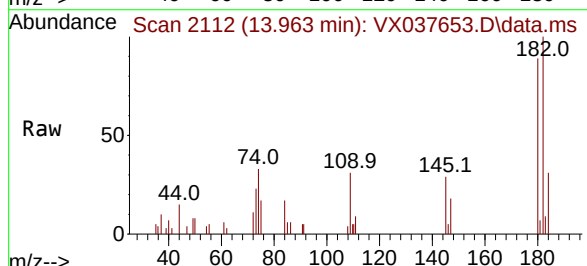
RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX037653.D

Acq: 11 Sep 2023 20:38

Tgt Ion:	180	Resp:	2445
Ion	Ratio	Lower	Upper
180	100		
182	96.4	46.9	140.6
145	31.1	17.8	53.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091123\
 Data File : VX037654.D
 Acq On : 11 Sep 2023 21:27
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091123

Quant Time: Sep 12 10:24:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/12/2023
 Supervised By : Mahesh Dadoda 09/12/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	165380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	298209	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	291662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	153169	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.958	65	136934	51.176	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.360%	
35) Dibromofluoromethane	5.385	113	108391	51.279	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.560%	
50) Toluene-d8	8.647	98	413114	51.822	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.640%	
62) 4-Bromofluorobenzene	11.079	95	152363	52.977	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.960%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	89676	49.458	ug/l	96
3) Chloromethane	1.300	50	102194	49.474	ug/l	97
4) Vinyl Chloride	1.374	62	110798	47.683	ug/l	96
5) Bromomethane	1.599	94	95316	49.040	ug/l	97
6) Chloroethane	1.678	64	84625	52.968	ug/l	100
7) Trichlorofluoromethane	1.880	101	191620	49.843	ug/l	99
8) Diethyl Ether	2.136	74	76051	49.844	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.325	101	83671	48.551	ug/l	99
10) Methyl Iodide	2.447	142	107527	52.833	ug/l	96
11) Tert butyl alcohol	2.965	59	143589	259.662	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	84284	49.536	ug/l	90
13) Acrolein	2.233	56	105204	240.644	ug/l	99
14) Allyl chloride	2.660	41	149839	50.270	ug/l	96
15) Acrylonitrile	3.062	53	314593	256.371	ug/l	98
16) Acetone	2.380	43	264071	244.113	ug/l	92
17) Carbon Disulfide	2.508	76	209759	48.495	ug/l	98
18) Methyl Acetate	2.703	43	235481	51.547	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	344947	51.353	ug/l	100
20) Methylene Chloride	2.788	84	110401	52.855	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	98460	50.297	ug/l	90
22) Diisopropyl ether	3.763	45	337825	52.024	ug/l	85
23) Vinyl Acetate	3.721	43	1266017	267.293	ug/l	97
24) 1,1-Dichloroethane	3.611	63	194288	51.344	ug/l	100
25) 2-Butanone	4.556	43	442711	250.992	ug/l	92
26) 2,2-Dichloropropane	4.477	77	121606	46.199	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	121855	51.046	ug/l	91
28) Bromochloromethane	4.897	49	97547	51.025	ug/l	92
29) Tetrahydrofuran	5.001	42	287844	256.263	ug/l	91
30) Chloroform	5.092	83	210739	51.568	ug/l	100
31) Cyclohexane	5.470	56	155033	50.317	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	179283	52.711	ug/l	99
36) 1,1-Dichloropropene	5.690	75	140735	48.944	ug/l	97
37) Ethyl Acetate	4.715	43	173983	52.879	ug/l	98
38) Carbon Tetrachloride	5.678	117	147604	50.247	ug/l	99
39) Methylcyclohexane	7.379	83	170903	50.228	ug/l	95
40) Benzene	6.037	78	451144	51.753	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091123\
 Data File : VX037654.D
 Acq On : 11 Sep 2023 21:27
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091123

Manual Integrations APPROVED

Reviewed By : John Carlone 09/12/2023
 Supervised By : Mahesh Dadoda 09/12/2023

Quant Time: Sep 12 10:24:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	89057	51.388	ug/l #	90
42) 1,2-Dichloroethane	6.086	62	171111	50.222	ug/l	98
43) Isopropyl Acetate	6.342	43	276334	52.645	ug/l	97
44) Trichloroethene	7.123	130	109295	50.182	ug/l	99
45) 1,2-Dichloropropane	7.427	63	117590	51.115	ug/l	98
46) Dibromomethane	7.580	93	86672	51.786	ug/l	98
47) Bromodichloromethane	7.824	83	161367	53.409	ug/l	98
48) Methyl methacrylate	7.696	41	135453	53.384	ug/l	89
49) 1,4-Dioxane	7.659	88	66655	1060.295	ug/l #	90
51) 4-Methyl-2-Pentanone	8.574	43	915567	265.637	ug/l	96
52) Toluene	8.720	92	290961	51.912	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	166717	54.427	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	180652	53.747	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	126100	53.430	ug/l	96
56) Ethyl methacrylate	9.116	69	196801	54.501	ug/l	94
57) 1,3-Dichloropropane	9.311	76	205393	51.883	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	478883	273.508	ug/l	98
59) 2-Hexanone	9.433	43	722511	271.571	ug/l	95
60) Dibromochloromethane	9.525	129	126848	54.718	ug/l	99
61) 1,2-Dibromoethane	9.610	107	134831	53.149	ug/l	100
64) Tetrachloroethene	9.275	164	95083	50.317	ug/l	96
65) Chlorobenzene	10.079	112	313903	50.494	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	116794	54.513	ug/l	98
67) Ethyl Benzene	10.195	91	573774	51.864	ug/l	100
68) m/p-Xylenes	10.305	106	438274	103.897	ug/l	100
69) o-Xylene	10.640	106	219515	52.194	ug/l	100
70) Styrene	10.652	104	370510	53.998	ug/l	97
71) Bromoform	10.799	173	92998	55.472	ug/l #	99
73) Isopropylbenzene	10.963	105	569196	49.635	ug/l	99
74) N-amyl acetate	10.841	43	259022	51.798	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	212751	49.576	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	166771m	49.526	ug/l	
77) Bromobenzene	11.195	156	137770	50.695	ug/l	94
78) n-propylbenzene	11.305	91	673759	51.068	ug/l	99
79) 2-Chlorotoluene	11.366	91	405701	49.955	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	501260	52.010	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	55289	49.909	ug/l	93
82) 4-Chlorotoluene	11.457	91	468233	50.472	ug/l	98
83) tert-Butylbenzene	11.713	119	493982	51.020	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	500421	51.501	ug/l	99
85) sec-Butylbenzene	11.890	105	615178	51.466	ug/l	100
86) p-Isopropyltoluene	12.012	119	510698	52.140	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	260500	49.922	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	264337	49.291	ug/l	99
89) n-Butylbenzene	12.335	91	453777	51.152	ug/l	97
90) Hexachloroethane	12.536	117	87162	52.735	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	265518	50.859	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	45513	51.651	ug/l	88
93) 1,2,4-Trichlorobenzene	13.585	180	153756	49.453	ug/l	97
94) Hexachlorobutadiene	13.725	225	63359	48.784	ug/l	98
95) Naphthalene	13.774	128	576577	51.194	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	158959	49.829	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091123\
Data File : VX037654.D
Acq On : 11 Sep 2023 21:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091123

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

Quant Time: Sep 12 10:24:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
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_X\Data\VX091123\
 Data File : VX037654.D
 Acq On : 11 Sep 2023 21:27
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091123

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023

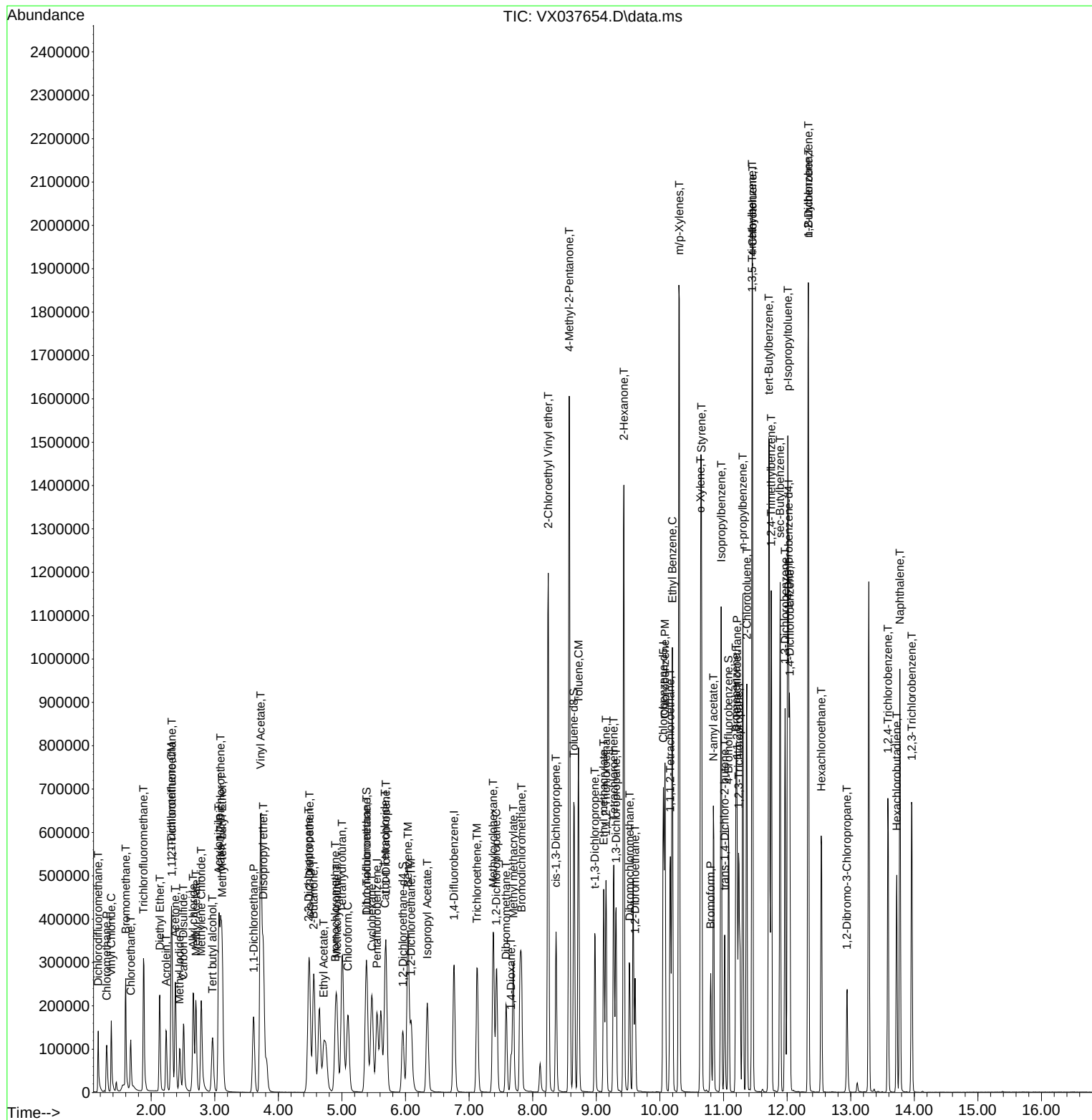
Quant Time: Sep 12 10:24:36 2023

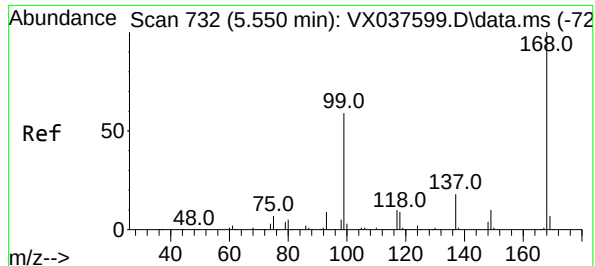
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M

Quant Title : SW846 8260

QLast Update : Tue Sep 12 10:10:04 2023

Response via : Initial Calibration





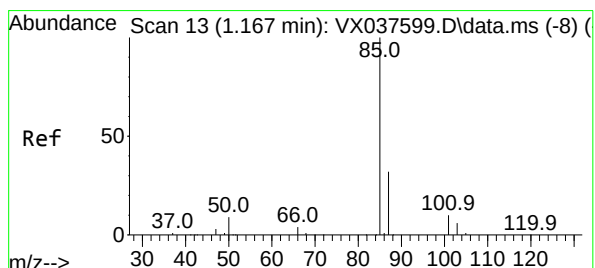
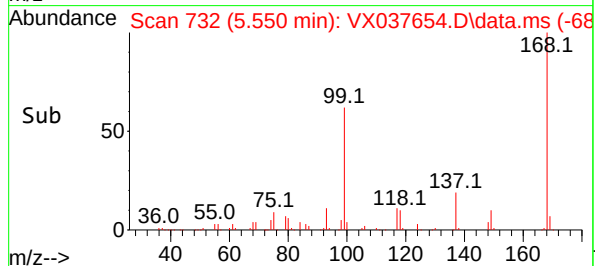
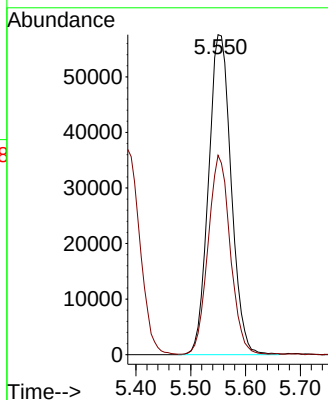
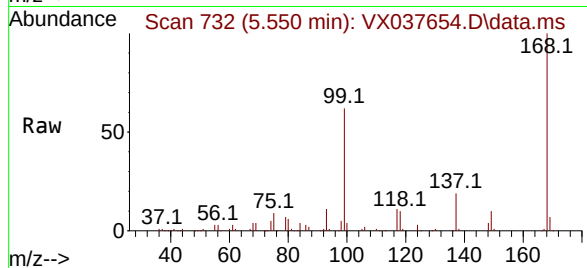
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX037654.D
Acq: 11 Sep 2023 21:27

Instrument :
MSVOA_X
Client Sample Id :
ICVX091123

Tgt Ion: 168 Resp: 165380
Ion Ratio Lower Upper
168 100
99 62.1 56.6 85.0

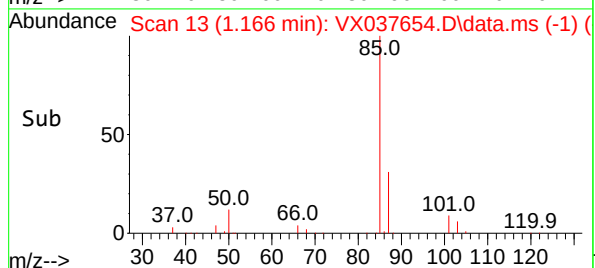
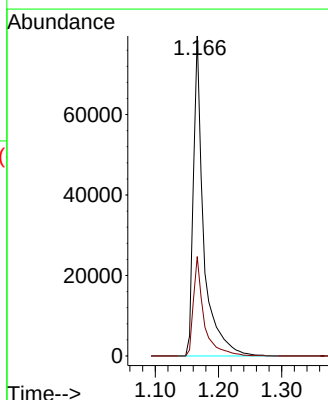
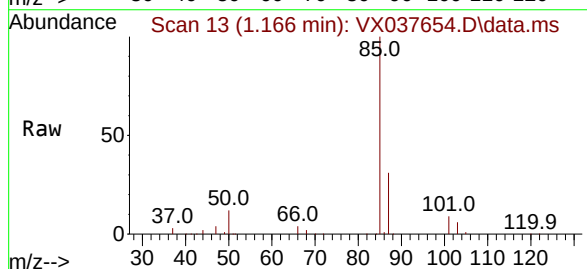
Manual Integrations
APPROVED

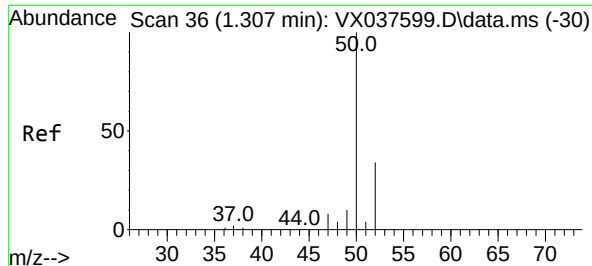
Reviewed By : John Carlone 09/12/2023
Supervised By : Mahesh Dadoda 09/12/2023



#2
Dichlorodifluoromethane
Concen: 49.458 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX037654.D
Acq: 11 Sep 2023 21:27

Tgt Ion: 85 Resp: 89676
Ion Ratio Lower Upper
85 100
87 31.0 16.7 50.1





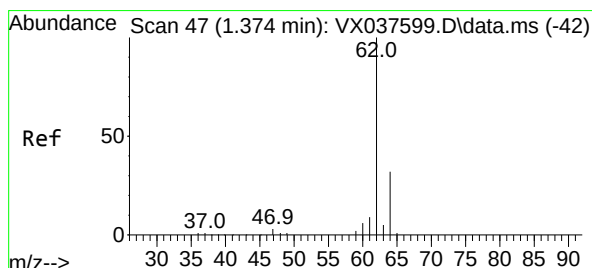
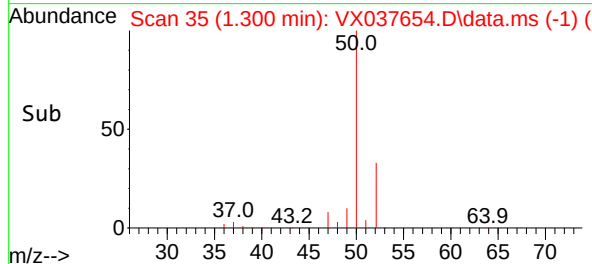
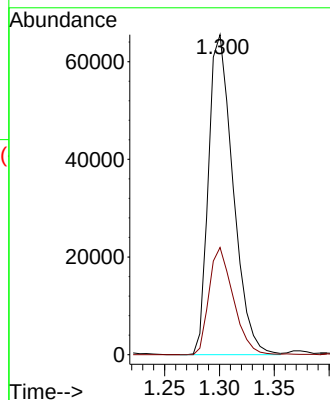
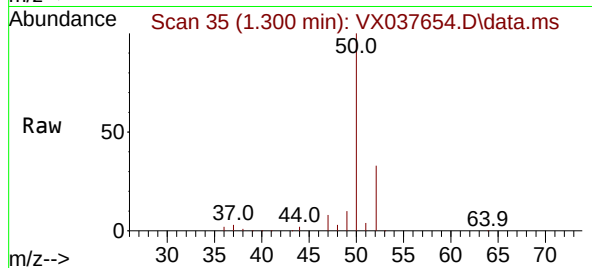
#3
Chloromethane
Concen: 49.474 ug/l
RT: 1.300 min Scan# 36
Delta R.T. -0.006 min
Lab File: VX037654.D
Acq: 11 Sep 2023 21:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091123

Tgt Ion: 50 Resp: 102194
Ion Ratio Lower Upper
50 100
52 33.5 25.5 38.3

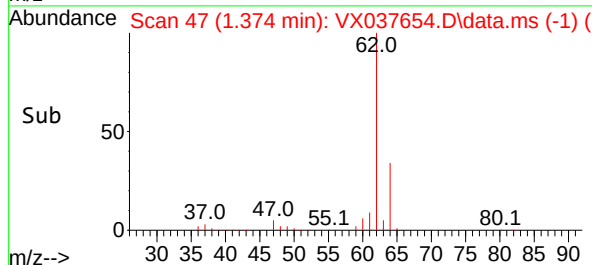
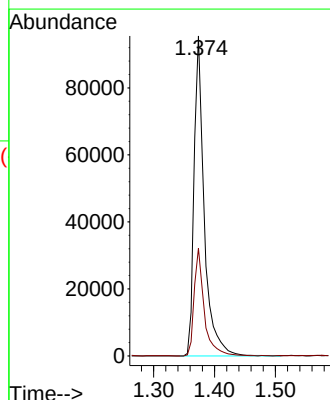
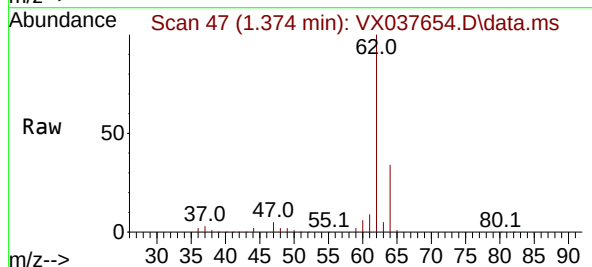
Manual Integrations
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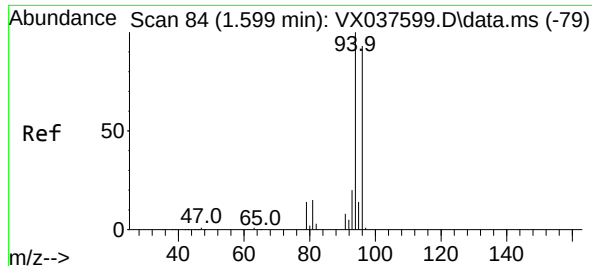
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#4
Vinyl Chloride
Concen: 47.683 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX037654.D
Acq: 11 Sep 2023 21:27

Tgt Ion: 62 Resp: 110798
Ion Ratio Lower Upper
62 100
64 33.6 25.4 38.0





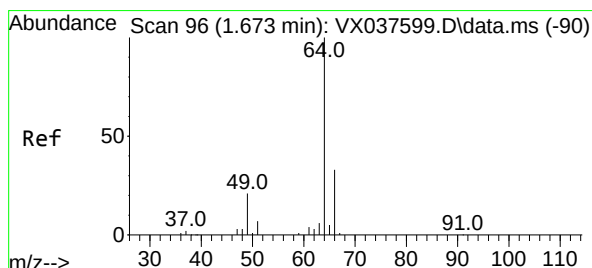
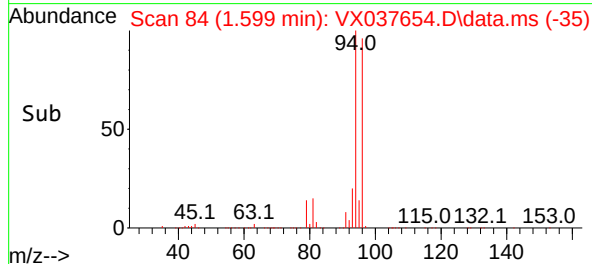
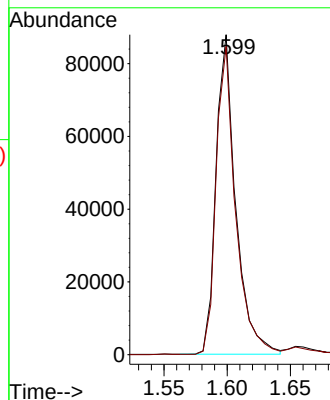
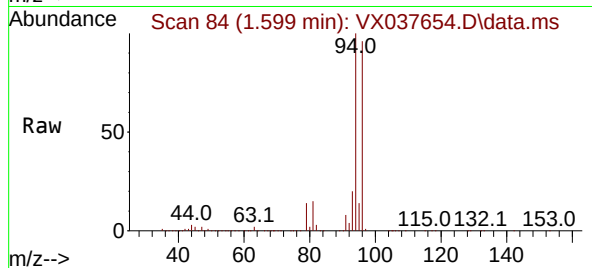
#5
Bromomethane
Concen: 49.040 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX037654.D
Acq: 11 Sep 2023 21:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091123

Tgt Ion: 94 Resp: 95310
Ion Ratio Lower Upper
94 100
96 96.4 74.6 111.8

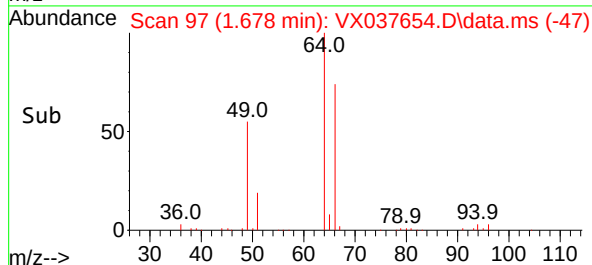
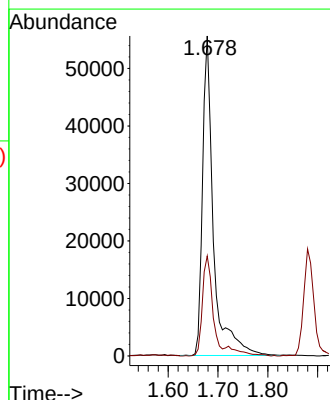
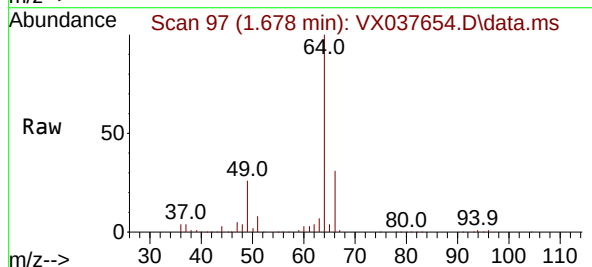
Manual Integrations
APPROVED

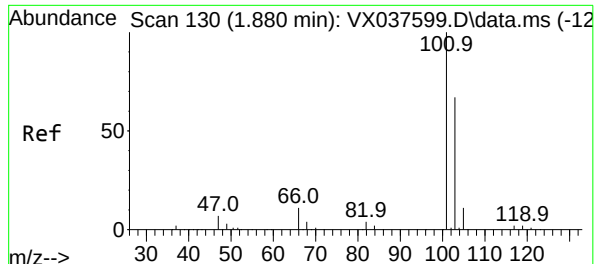
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#6
Chloroethane
Concen: 52.968 ug/l
RT: 1.678 min Scan# 97
Delta R.T. 0.005 min
Lab File: VX037654.D
Acq: 11 Sep 2023 21:27

Tgt Ion: 64 Resp: 84625
Ion Ratio Lower Upper
64 100
66 31.3 25.1 37.7





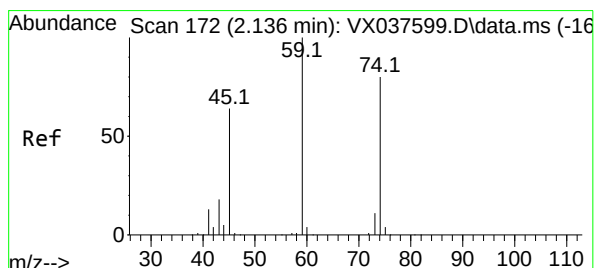
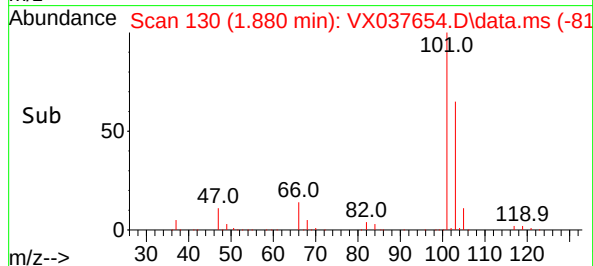
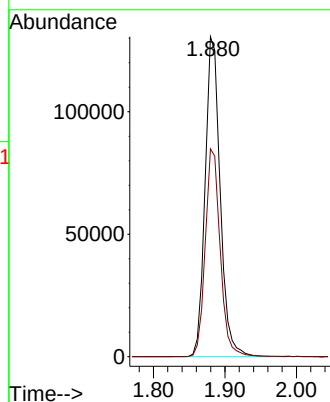
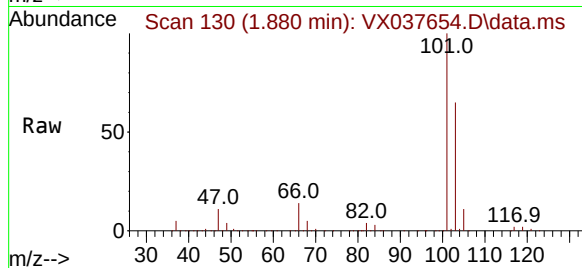
#7
Trichlorofluoromethane
Concen: 49.843 ug/l
RT: 1.880 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037654.D
Acq: 11 Sep 2023 21:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091123

Tgt Ion:101 Resp: 191620
Ion Ratio Lower Upper
101 100
103 64.9 51.4 77.2

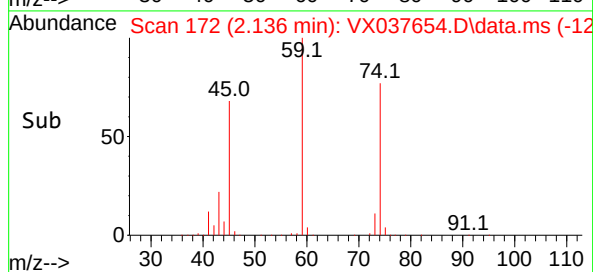
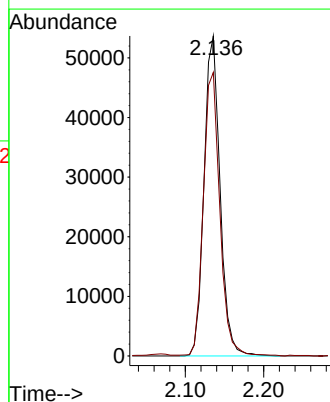
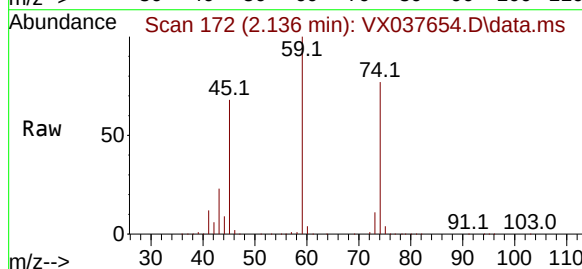
Manual Integrations
APPROVED

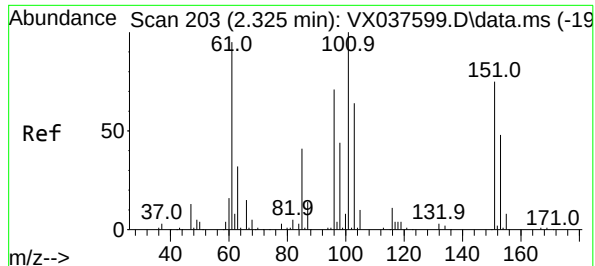
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#8
Diethyl Ether
Concen: 49.844 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX037654.D
Acq: 11 Sep 2023 21:27

Tgt Ion: 74 Resp: 76051
Ion Ratio Lower Upper
74 100
45 91.5 53.3 159.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.551 ug/l

RT: 2.325 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

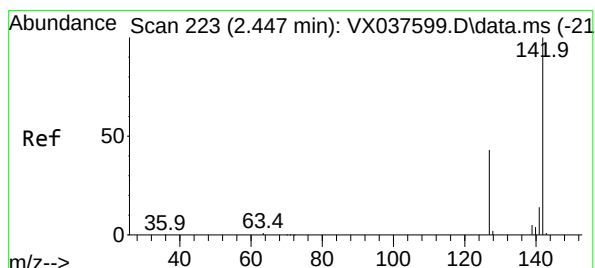
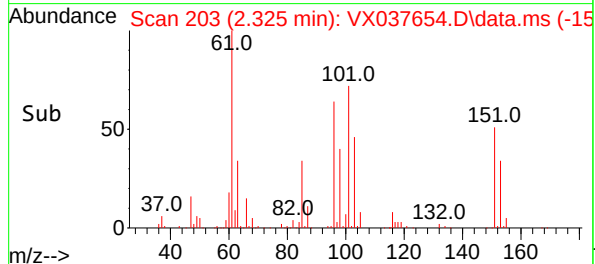
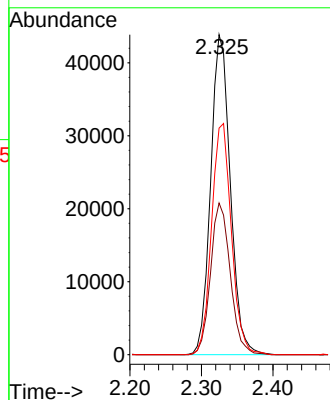
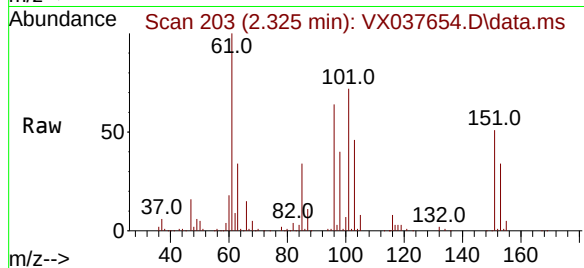
ICVVX091123

Tgt Ion:	101	Resp:	8367
Ion	Ratio	Lower	Upper
101	100		
85	47.5	37.0	55.6
151	73.1	58.6	87.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#10

Methyl Iodide

Concen: 52.833 ug/l

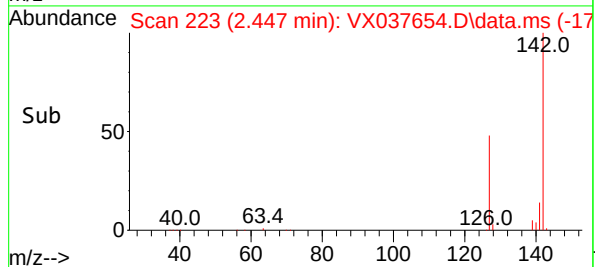
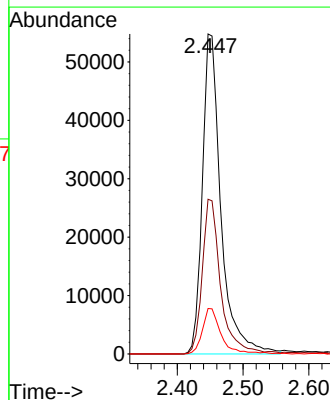
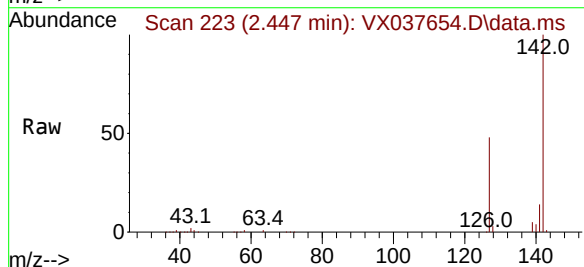
RT: 2.447 min Scan# 223

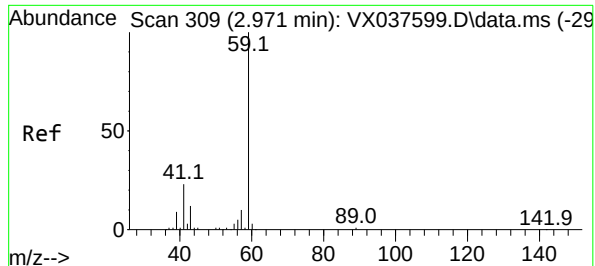
Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Tgt Ion:	142	Resp:	107527
Ion	Ratio	Lower	Upper
142	100		
127	48.0	41.6	62.4
141	14.4	11.6	17.4





#11

Tert butyl alcohol

Concen: 259.662 ug/l

RT: 2.965 min Scan# 309

Delta R.T. -0.006 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion: 59 Resp: 143589

Ion Ratio Lower Upper

59 100

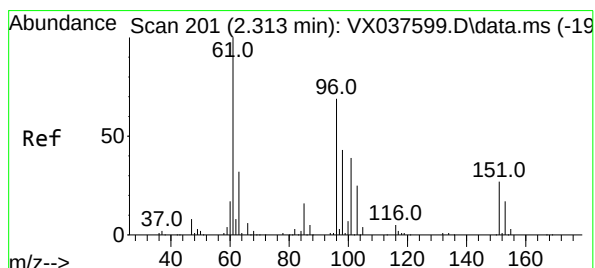
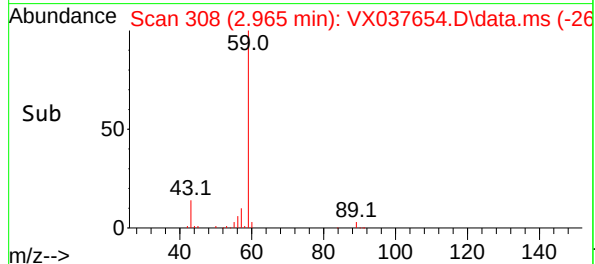
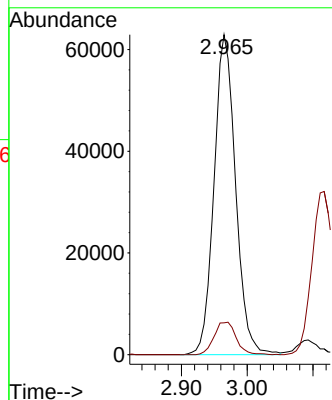
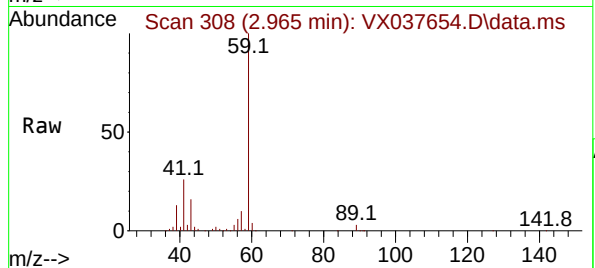
57 10.4 6.0 9.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#12

1,1-Dichloroethene

Concen: 49.536 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

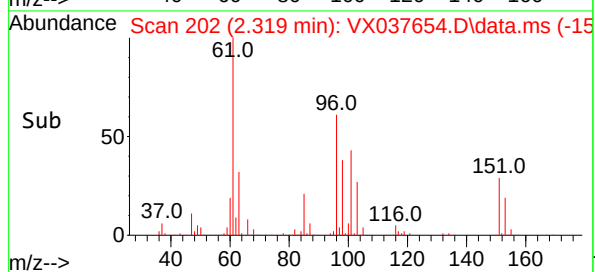
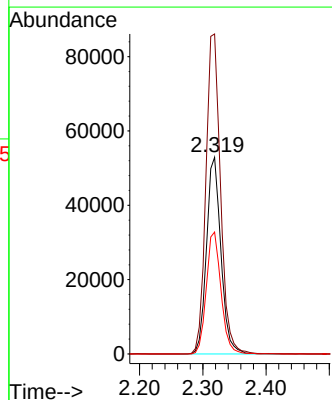
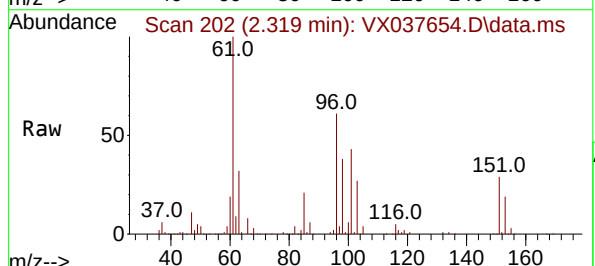
Tgt Ion: 96 Resp: 84284

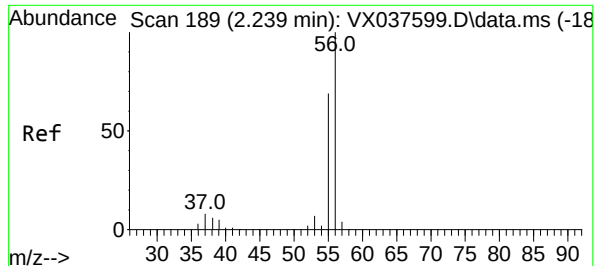
Ion Ratio Lower Upper

96 100

61 162.7 144.6 216.8

98 62.0 50.4 75.6





#13

Acrolein

Concen: 240.644 ug/l

RT: 2.233 min Scan# 189

Delta R.T. -0.006 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion: 56 Resp: 105204

Ion Ratio Lower Upper

56 100

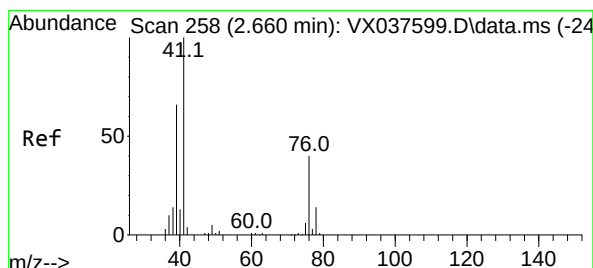
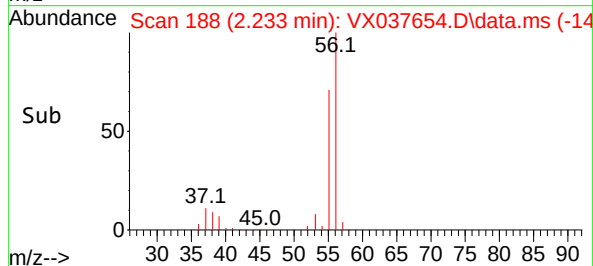
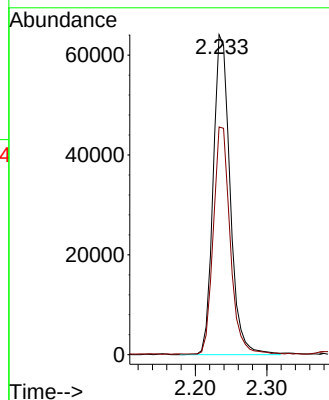
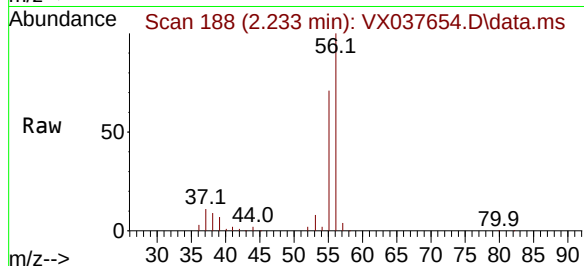
55 70.5 57.1 85.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#14

Allyl chloride

Concen: 50.270 ug/l

RT: 2.660 min Scan# 258

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

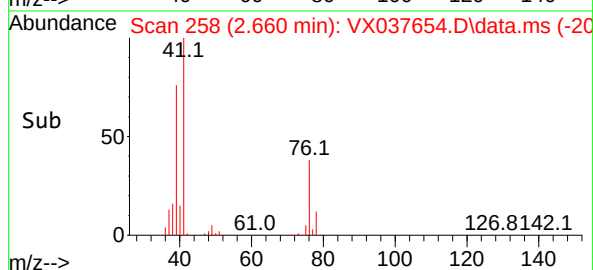
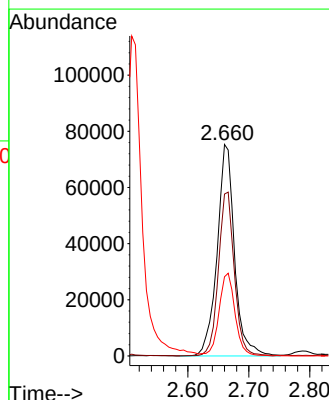
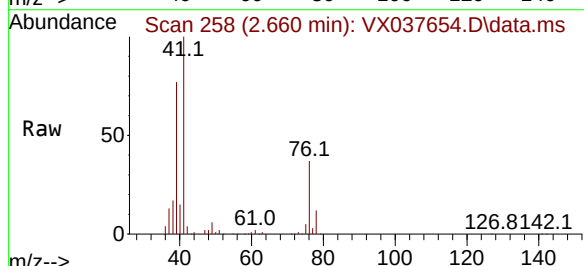
Tgt Ion: 41 Resp: 149839

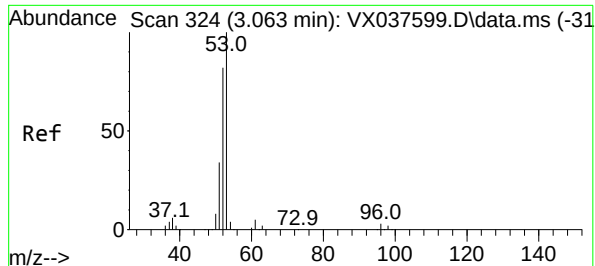
Ion Ratio Lower Upper

41 100

39 70.5 55.8 83.6

76 36.0 24.3 36.5





#15

Acrylonitrile

Concen: 256.371 ug/l

RT: 3.062 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion: 53 Resp: 31459

Ion Ratio Lower Upper

53 100

52 84.0 66.0 99.0

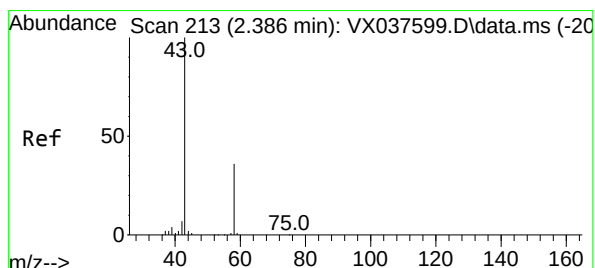
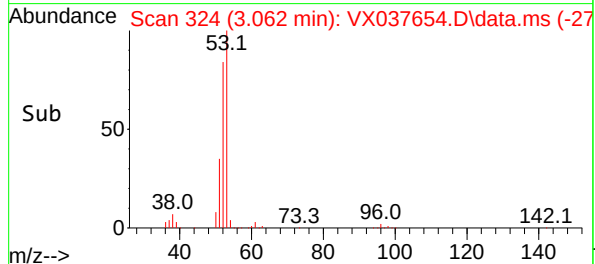
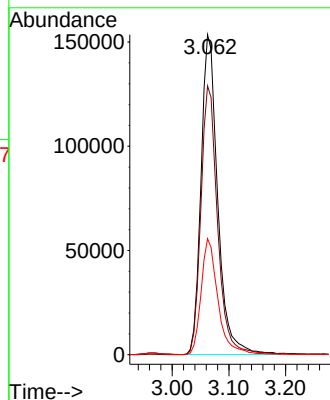
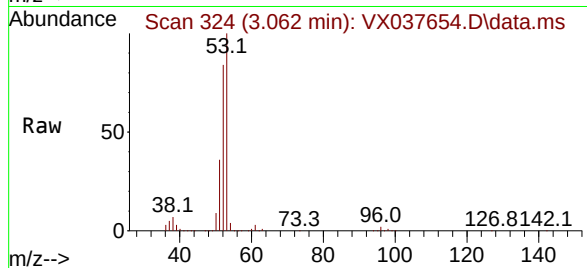
51 36.3 29.8 44.6

Manual Integrations

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Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#16

Acetone

Concen: 244.113 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX037654.D

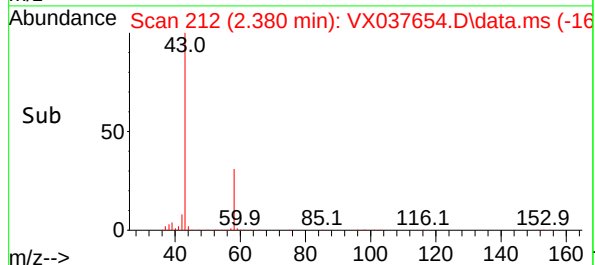
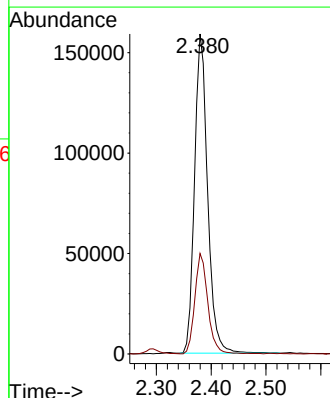
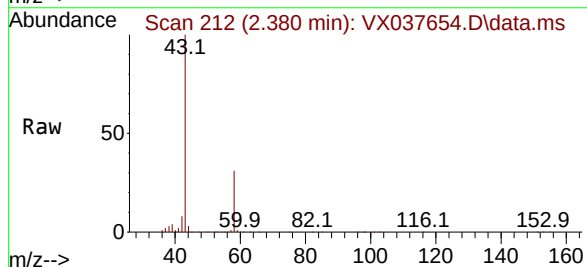
Acq: 11 Sep 2023 21:27

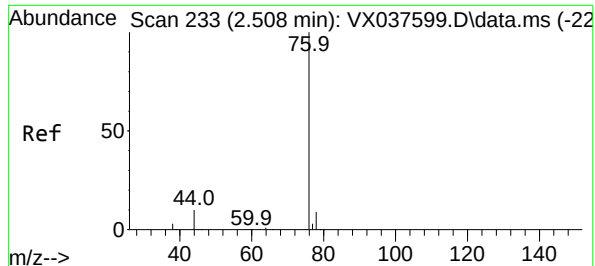
Tgt Ion: 43 Resp: 264071

Ion Ratio Lower Upper

43 100

58 31.4 21.9 32.9





#17

Carbon Disulfide

Concen: 48.495 ug/l

RT: 2.508 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion: 76 Resp: 209759

Ion Ratio Lower Upper

76 100

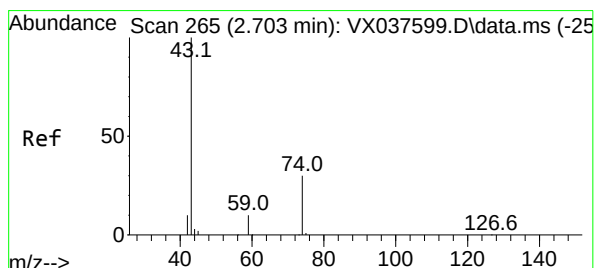
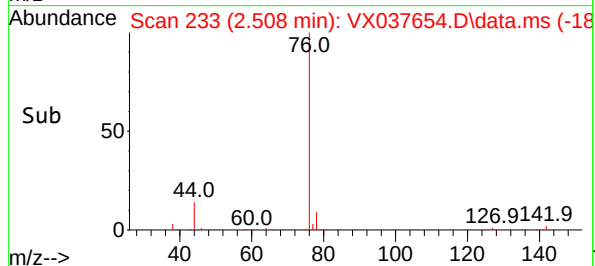
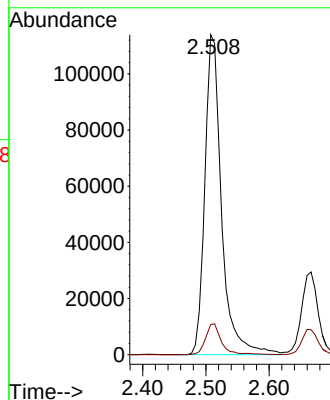
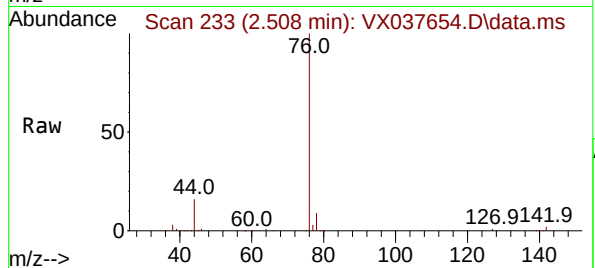
78 9.5 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#18

Methyl Acetate

Concen: 51.547 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX037654.D

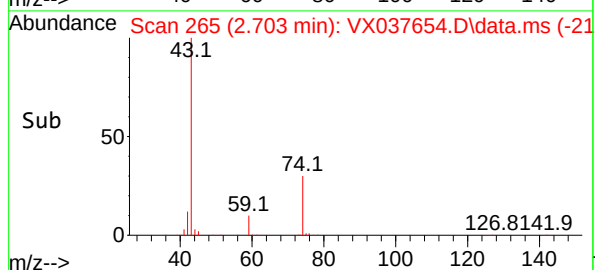
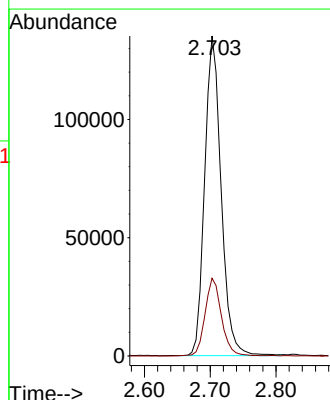
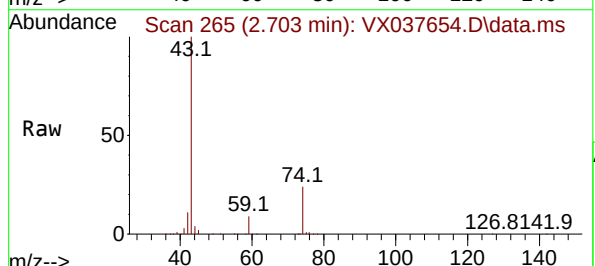
Acq: 11 Sep 2023 21:27

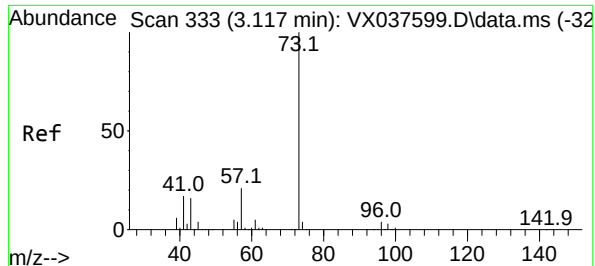
Tgt Ion: 43 Resp: 235481

Ion Ratio Lower Upper

43 100

74 24.3 17.8 26.8





#19

Methyl tert-butyl Ether

Concen: 51.353 ug/l

RT: 3.117 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091123

Tgt Ion: 73 Resp: 34494

Ion Ratio Lower Upper

73 100

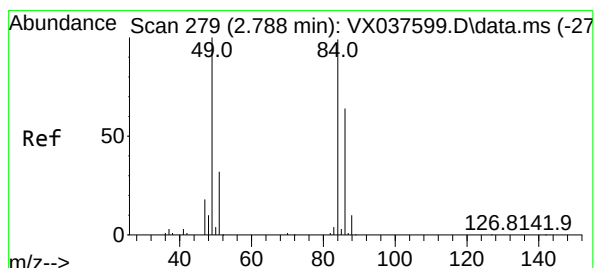
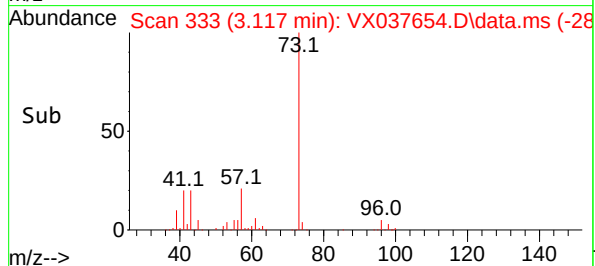
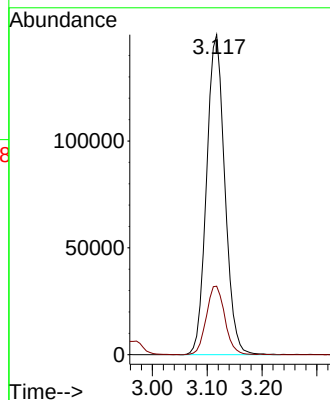
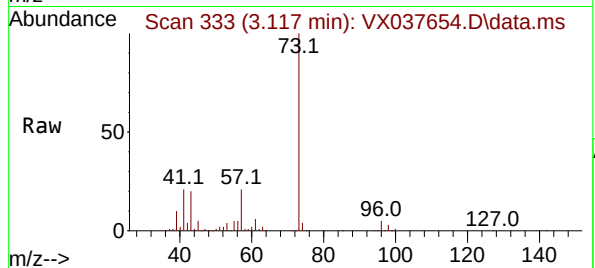
57 21.4 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#20

Methylene Chloride

Concen: 52.855 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Tgt Ion: 84 Resp: 110401

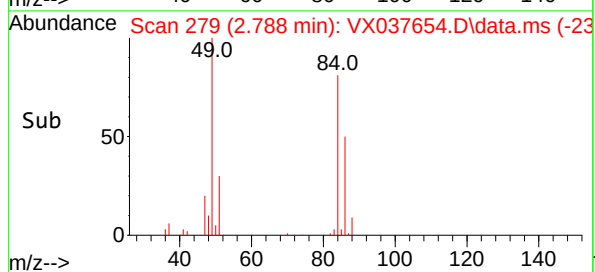
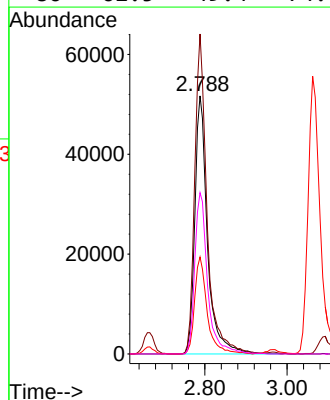
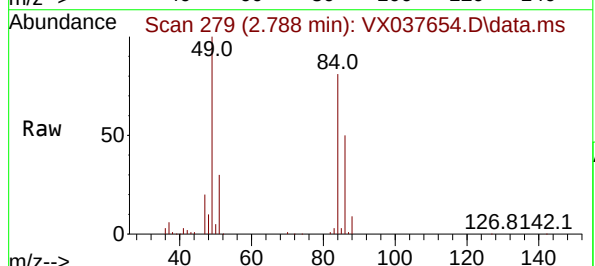
Ion Ratio Lower Upper

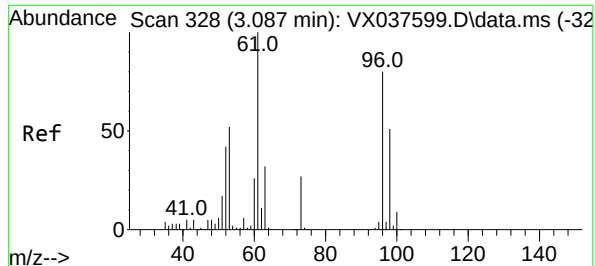
84 100

49 124.0 103.6 155.4

51 37.6 33.8 50.6

86 62.5 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 50.297 ug/l

RT: 3.093 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion: 96 Resp: 98460

Ion Ratio Lower Upper

96 100

61 134.5 119.2 178.8

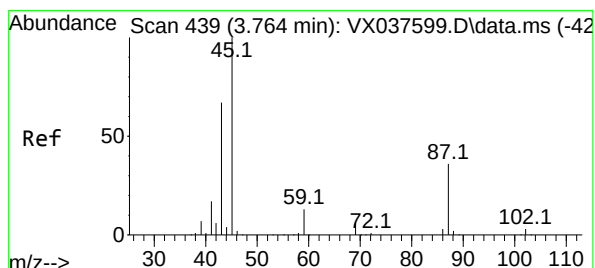
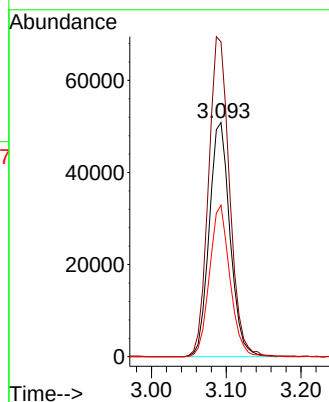
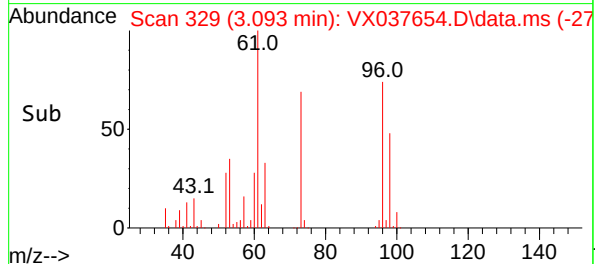
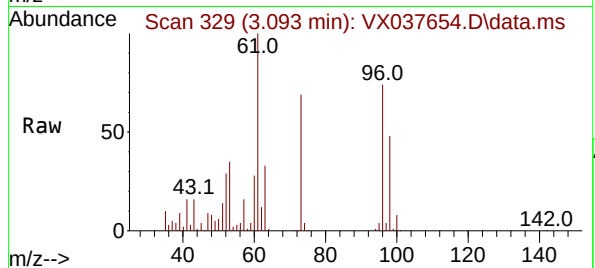
98 64.7 48.7 73.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#22

Diisopropyl ether

Concen: 52.024 ug/l

RT: 3.763 min Scan# 439

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Tgt Ion: 45 Resp: 337825

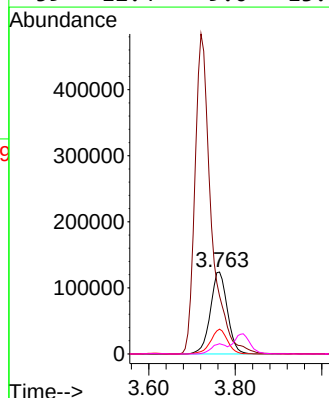
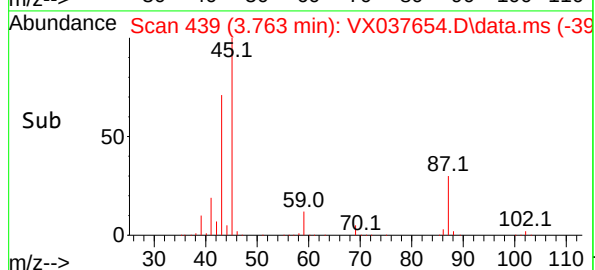
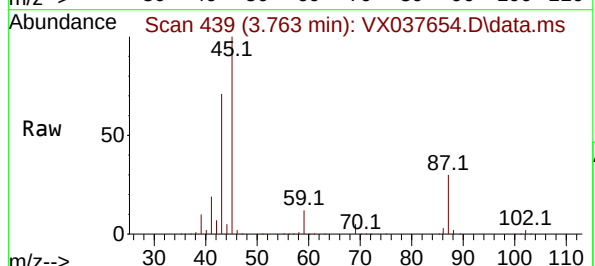
Ion Ratio Lower Upper

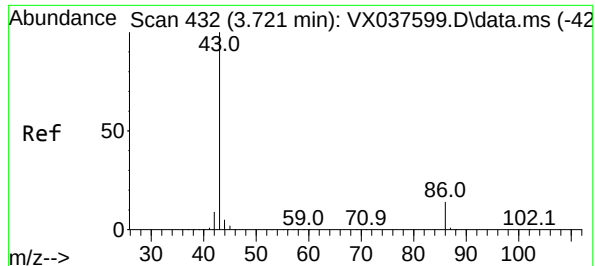
45 100

43 70.6 69.7 104.5

87 30.4 20.8 31.2

59 12.4 9.0 13.4





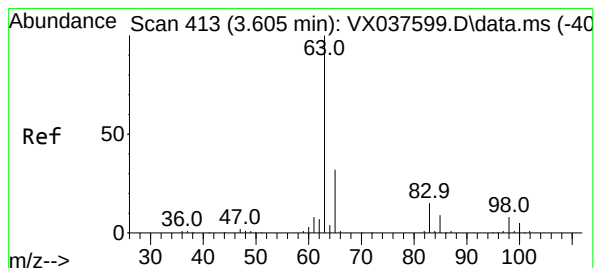
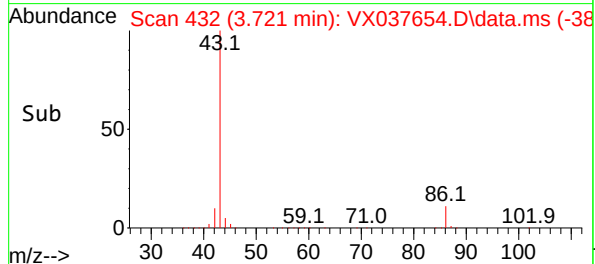
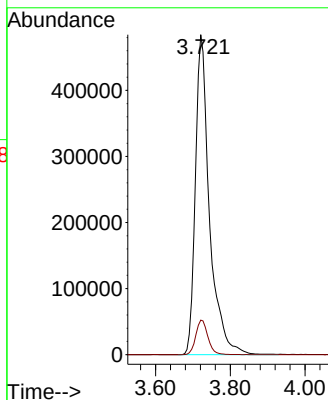
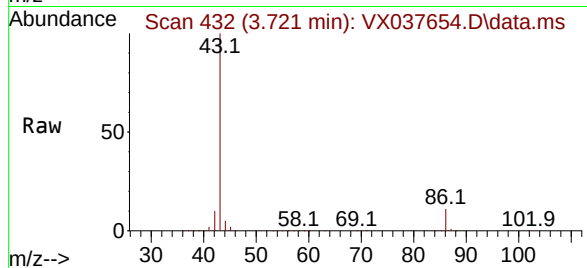
#23
Vinyl Acetate
Concen: 267.293 ug/l
RT: 3.721 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX037654.D
Acq: 11 Sep 2023 21:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091123

Tgt Ion: 43 Resp: 126601
Ion Ratio Lower Upper
43 100
86 10.8 7.8 11.8

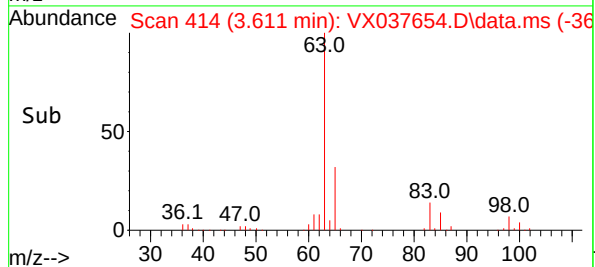
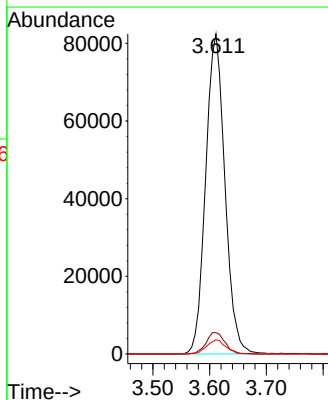
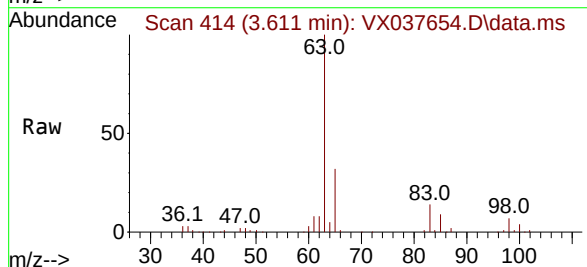
Manual Integrations
APPROVED

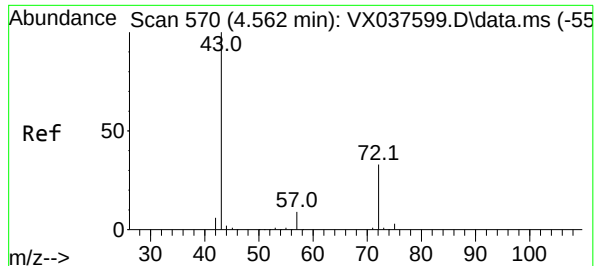
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#24
1,1-Dichloroethane
Concen: 51.344 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX037654.D
Acq: 11 Sep 2023 21:27

Tgt Ion: 63 Resp: 194288
Ion Ratio Lower Upper
63 100
98 6.6 3.3 9.8
100 4.4 2.1 6.5





#25

2-Butanone

Concen: 250.992 ug/l

RT: 4.556 min Scan# 50

Delta R.T. -0.006 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091123

Tgt Ion: 43 Resp: 44271

Ion Ratio Lower Upper

43 100

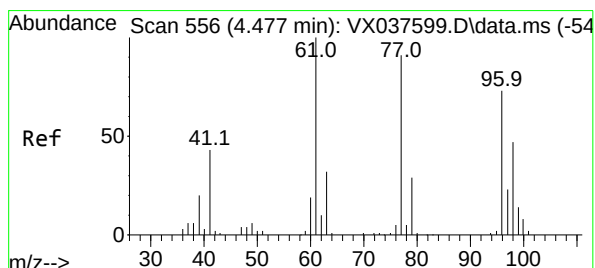
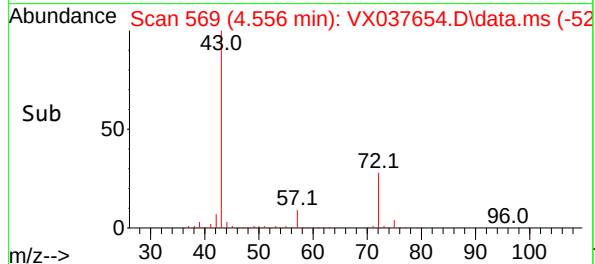
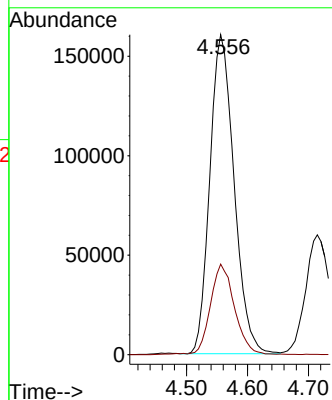
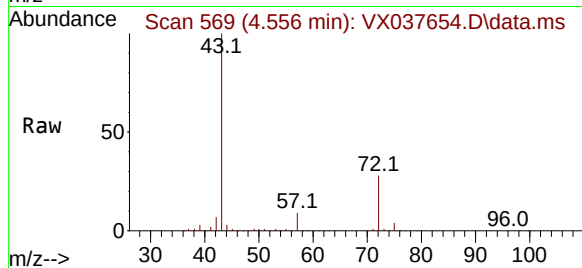
72 28.2 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#26

2,2-Dichloropropane

Concen: 46.199 ug/l

RT: 4.477 min Scan# 556

Delta R.T. -0.000 min

Lab File: VX037654.D

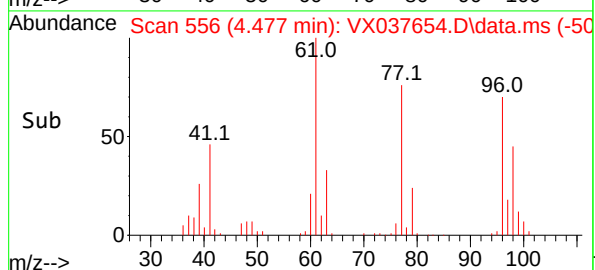
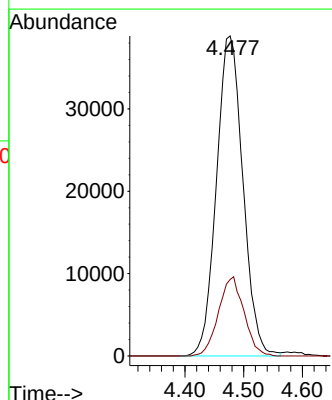
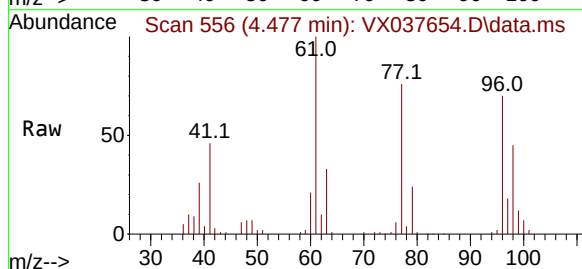
Acq: 11 Sep 2023 21:27

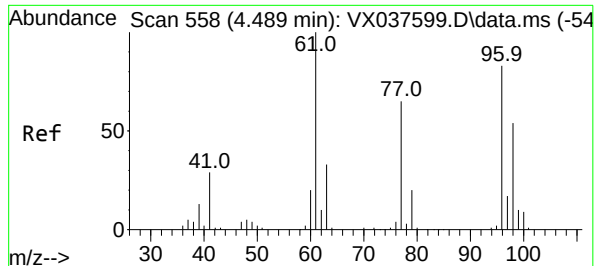
Tgt Ion: 77 Resp: 121606

Ion Ratio Lower Upper

77 100

97 23.8 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 51.046 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion: 96 Resp: 12185

Ion Ratio Lower Upper

96 100

61 139.8 0.0 312.2

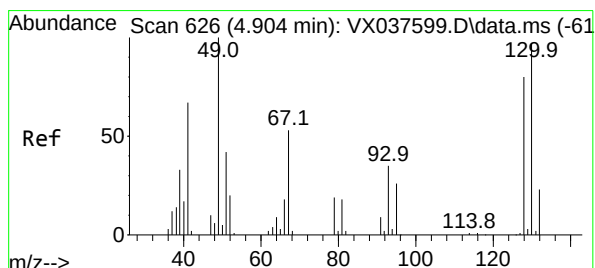
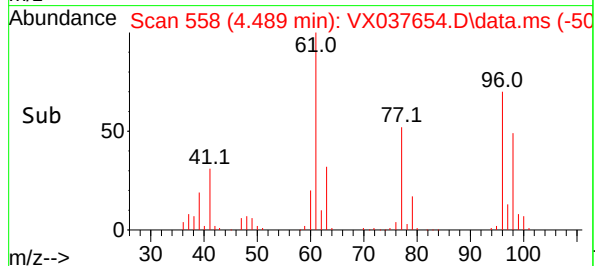
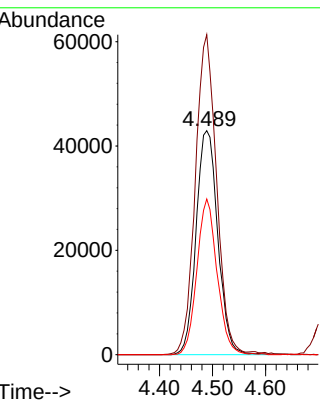
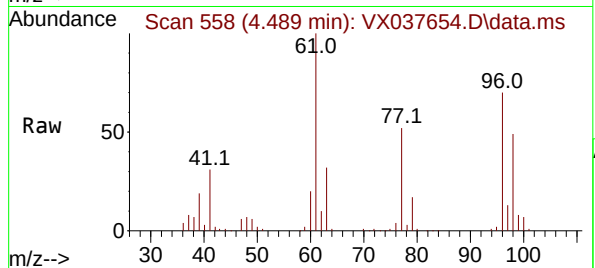
98 65.0 0.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#28

Bromochloromethane

Concen: 51.025 ug/l

RT: 4.897 min Scan# 625

Delta R.T. -0.006 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

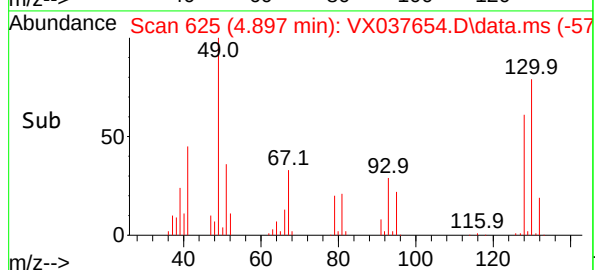
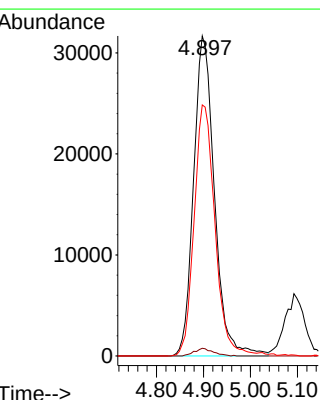
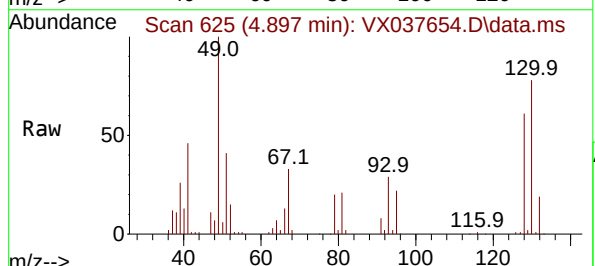
Tgt Ion: 49 Resp: 97547

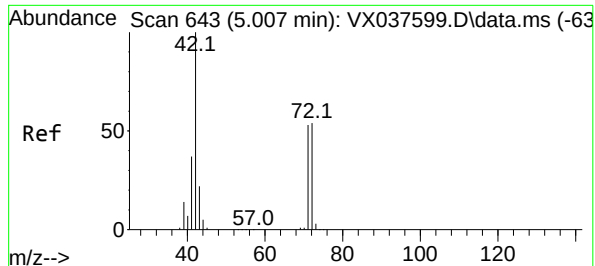
Ion Ratio Lower Upper

49 100

129 2.2 0.0 3.8

130 78.4 57.5 86.3





#29

Tetrahydrofuran

Concen: 256.263 ug/l

RT: 5.001 min Scan# 643

Delta R.T. -0.006 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion: 42 Resp: 28784

Ion Ratio Lower Upper

42 100

72 48.9 34.2 51.4

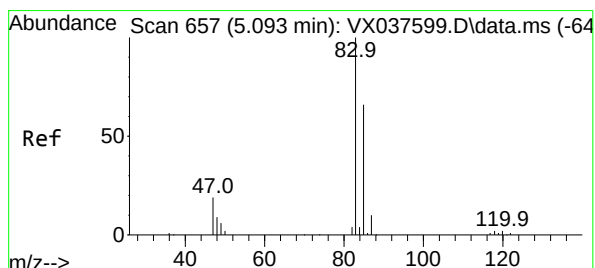
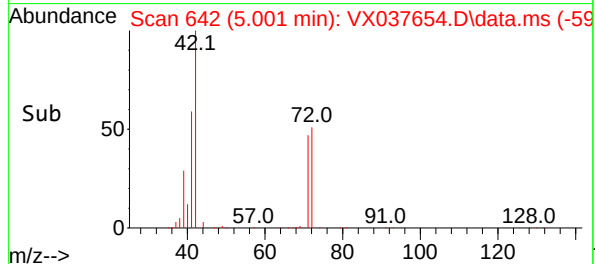
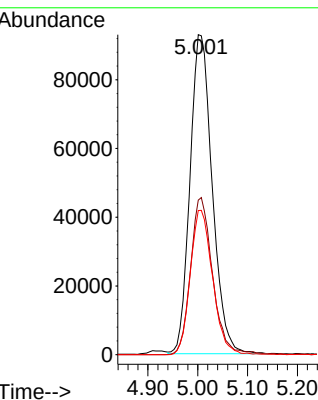
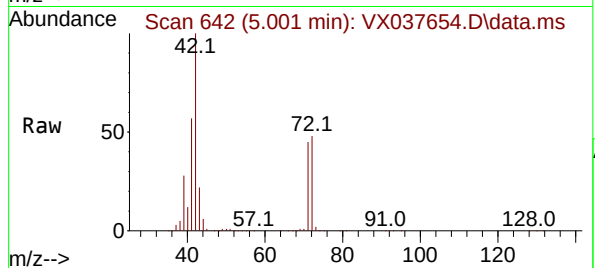
71 45.4 32.2 48.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#30

Chloroform

Concen: 51.568 ug/l

RT: 5.092 min Scan# 657

Delta R.T. -0.000 min

Lab File: VX037654.D

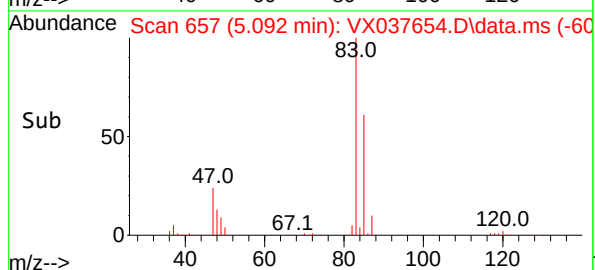
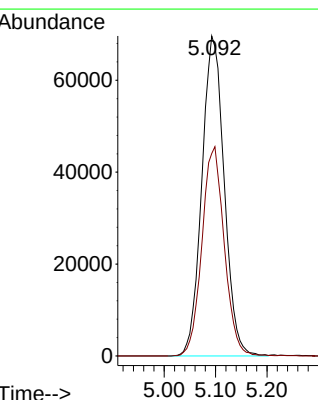
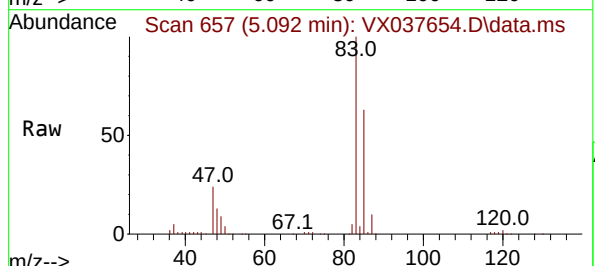
Acq: 11 Sep 2023 21:27

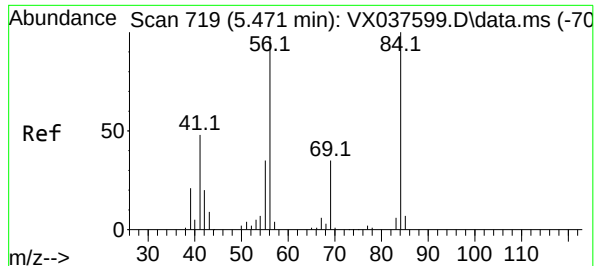
Tgt Ion: 83 Resp: 210739

Ion Ratio Lower Upper

83 100

85 63.2 50.3 75.5





#31

Cyclohexane

Concen: 50.317 ug/l

RT: 5.470 min Scan# 719

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion: 56 Resp: 15503

Ion Ratio Lower Upper

56 100

69 30.9 23.4 35.2

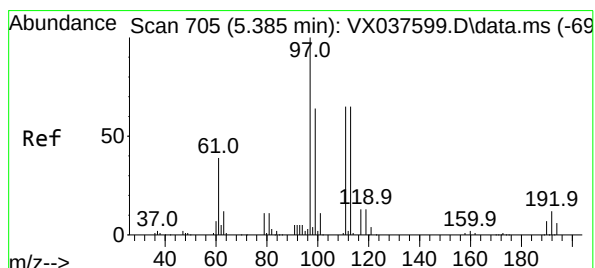
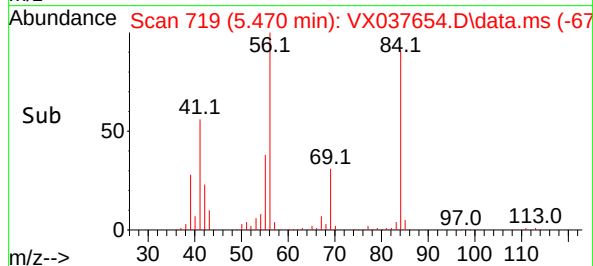
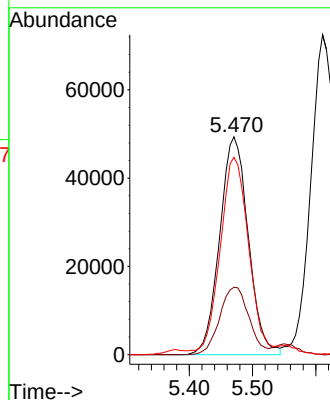
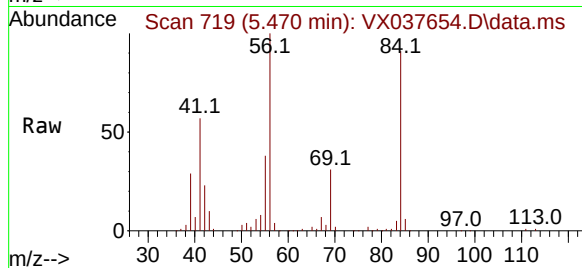
84 88.6 65.9 98.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#32

1,1,1-Trichloroethane

Concen: 52.711 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

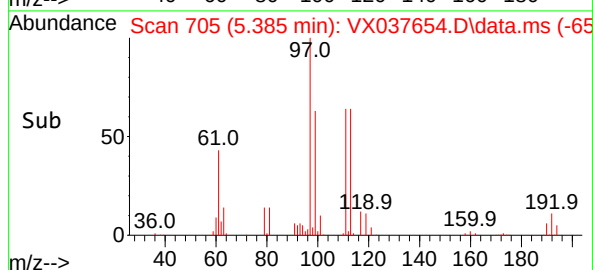
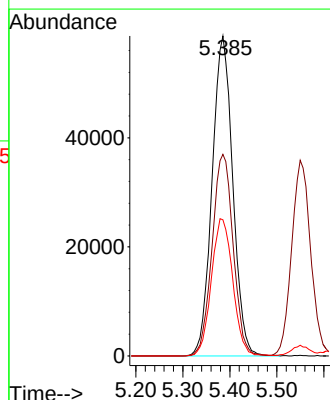
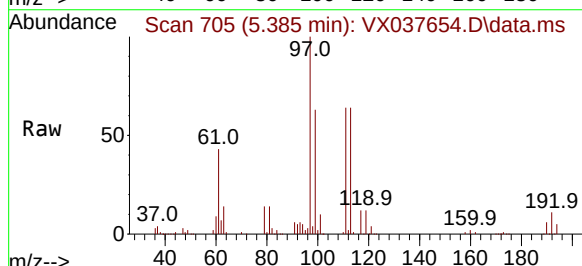
Tgt Ion: 97 Resp: 179283

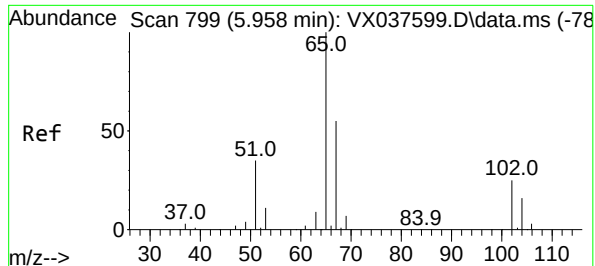
Ion Ratio Lower Upper

97 100

99 64.3 51.1 76.7

61 44.4 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 51.176 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion: 65 Resp: 136934

Ion Ratio Lower Upper

65 100

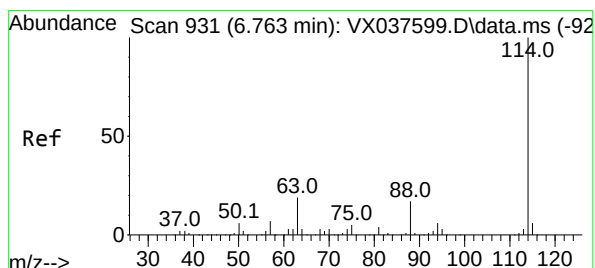
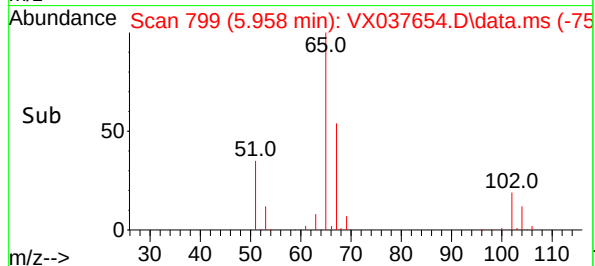
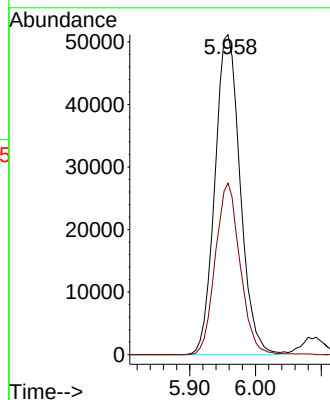
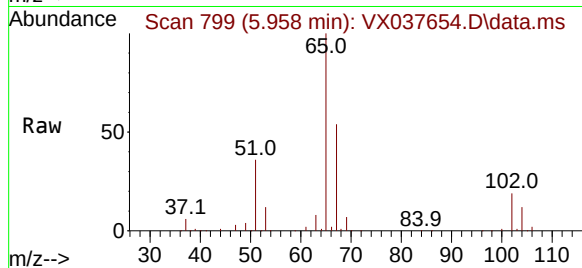
67 52.6 0.0 100.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

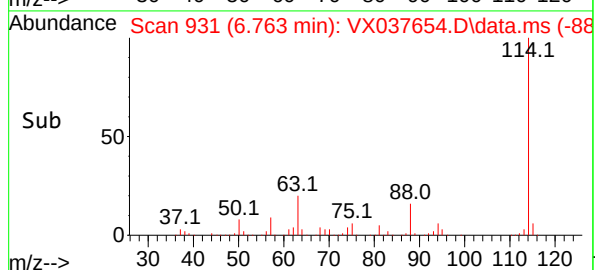
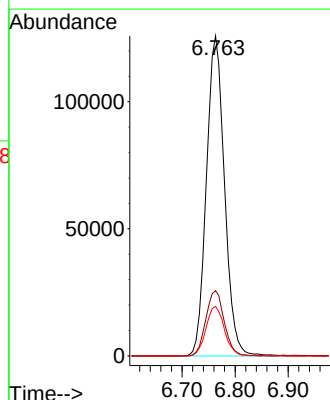
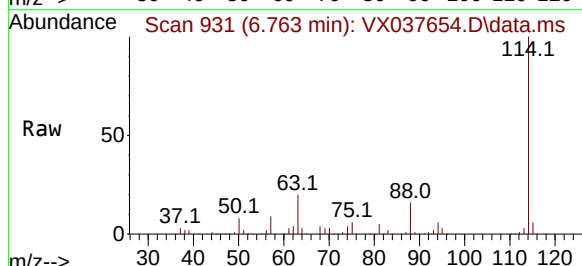
Tgt Ion:114 Resp: 298209

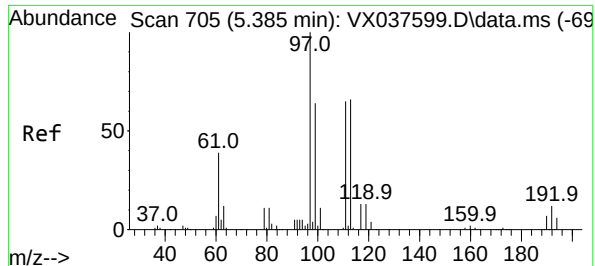
Ion Ratio Lower Upper

114 100

63 20.4 0.0 45.0

88 15.5 0.0 36.6





#35

Dibromofluoromethane

Concen: 51.279 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion:113 Resp: 10839

Ion Ratio Lower Upper

113 100

111 102.9 82.9 124.3

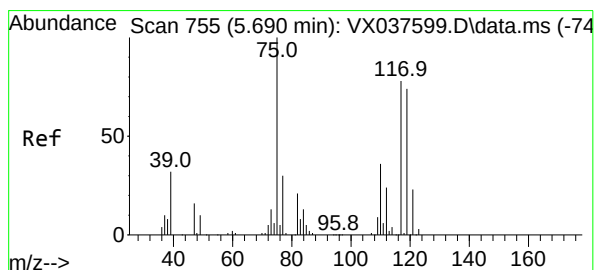
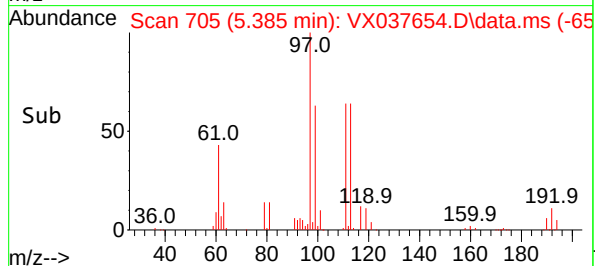
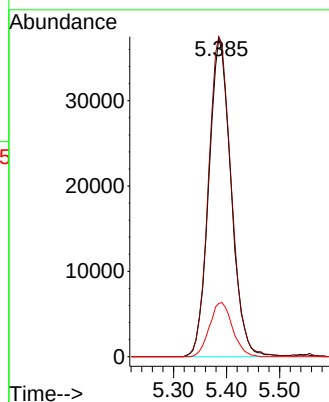
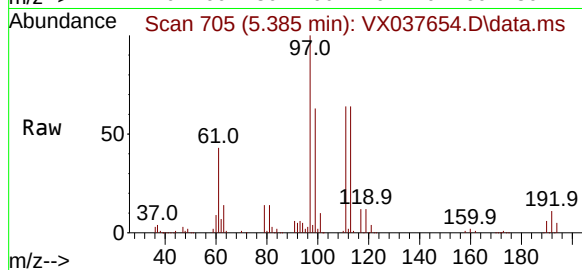
192 17.6 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#36

1,1-Dichloropropene

Concen: 48.944 ug/l

RT: 5.690 min Scan# 755

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

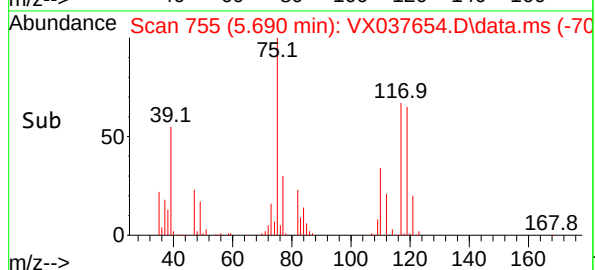
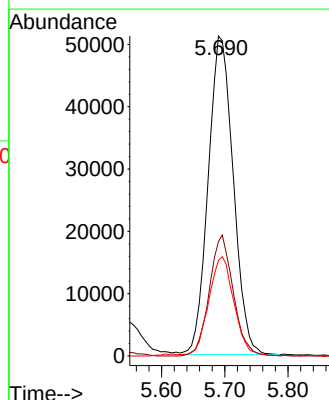
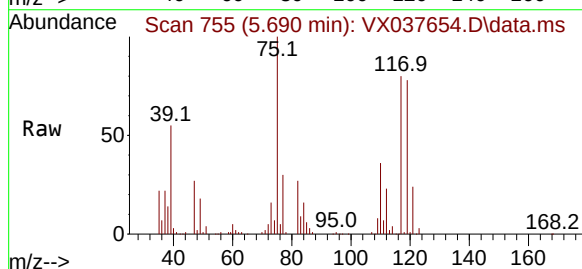
Tgt Ion: 75 Resp: 140735

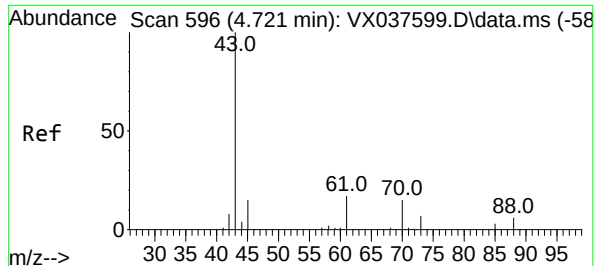
Ion Ratio Lower Upper

75 100

110 36.2 17.0 50.9

77 31.6 24.7 37.1





#37

Ethyl Acetate

Concen: 52.879 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.006 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion: 43 Resp: 17398

Ion Ratio Lower Upper

43 100

61 14.6 10.6 16.0

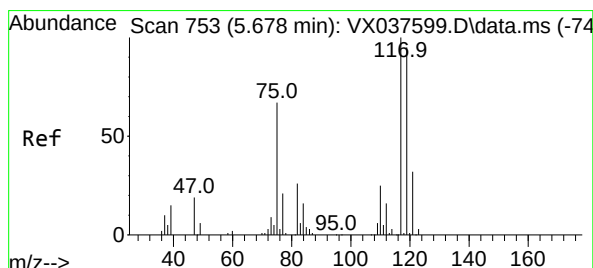
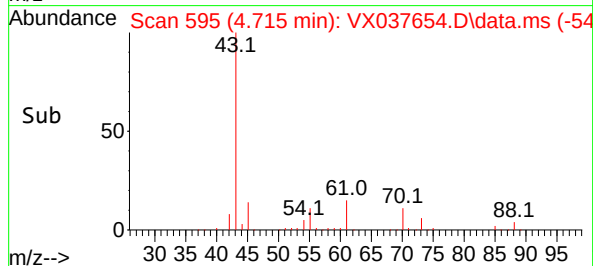
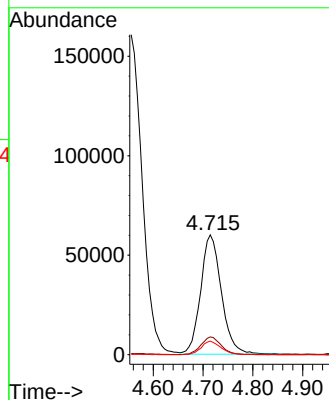
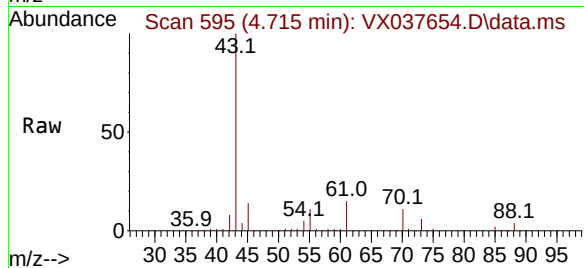
70 10.8 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#38

Carbon Tetrachloride

Concen: 50.247 ug/l

RT: 5.678 min Scan# 753

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

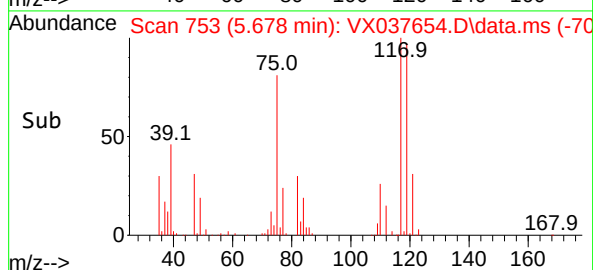
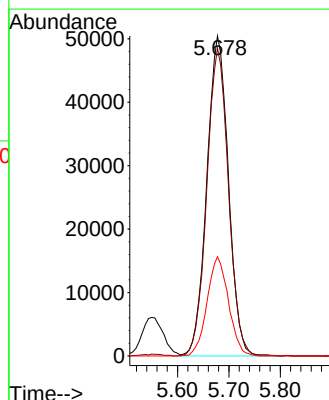
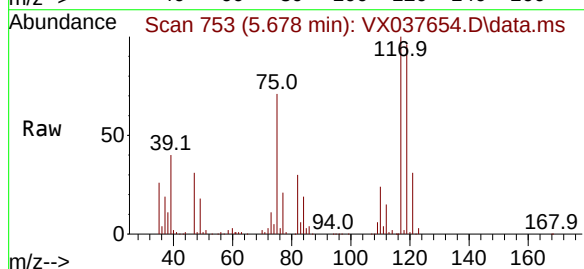
Tgt Ion:117 Resp: 147604

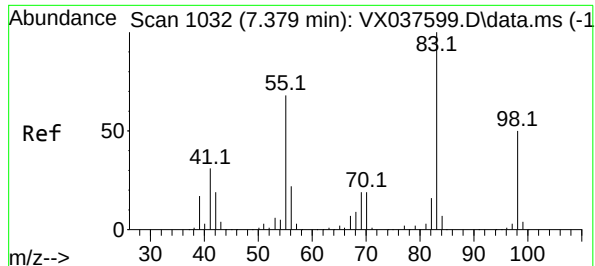
Ion Ratio Lower Upper

117 100

119 96.2 78.2 117.2

121 31.0 24.4 36.6





#39

Methylcyclohexane

Concen: 50.228 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion: 83 Resp: 17090

Ion Ratio Lower Upper

83 100

55 74.0 64.6 97.0

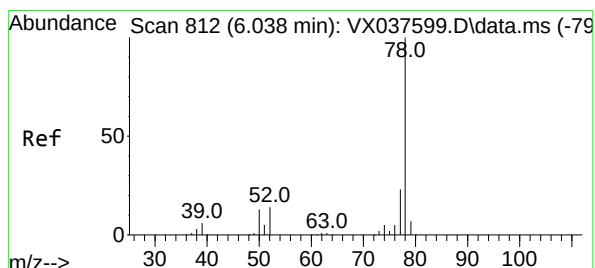
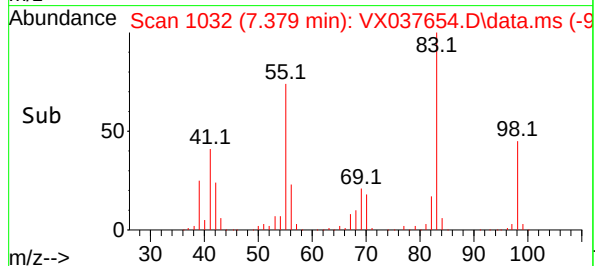
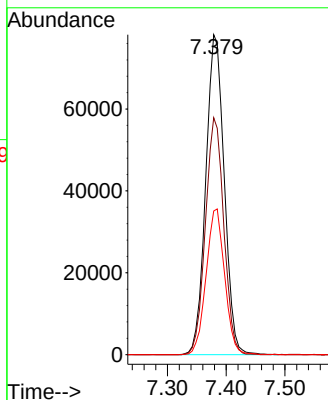
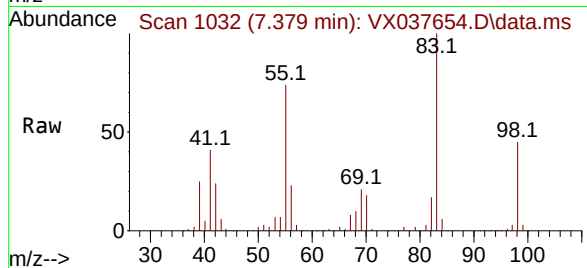
98 44.9 36.7 55.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#40

Benzene

Concen: 51.753 ug/l

RT: 6.037 min Scan# 812

Delta R.T. -0.000 min

Lab File: VX037654.D

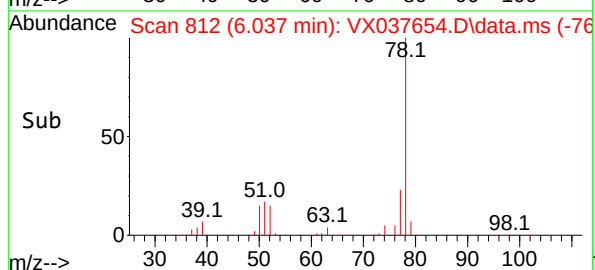
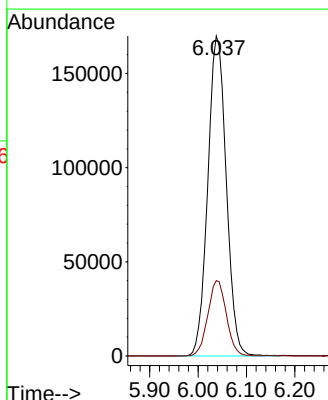
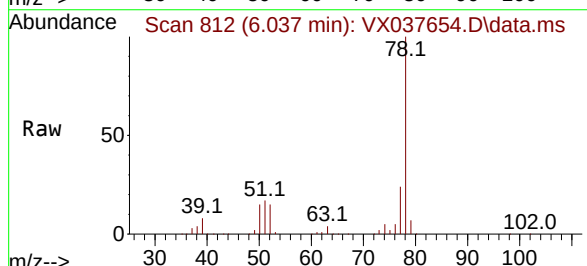
Acq: 11 Sep 2023 21:27

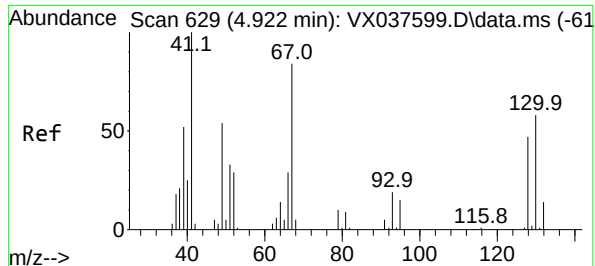
Tgt Ion: 78 Resp: 451144

Ion Ratio Lower Upper

78 100

77 23.5 19.3 28.9





#41

Methacrylonitrile

Concen: 51.388 ug/l

RT: 4.922 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion: 41 Resp: 8905

Ion Ratio Lower Upper

41 100

39 57.2 45.2 67.8

67 80.3 52.6 78.8

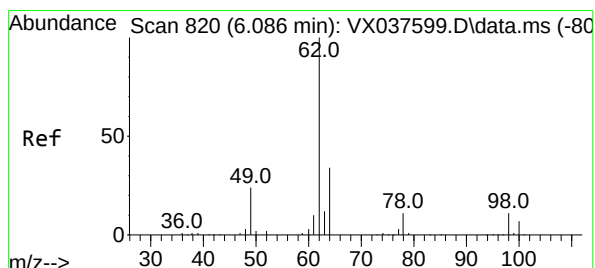
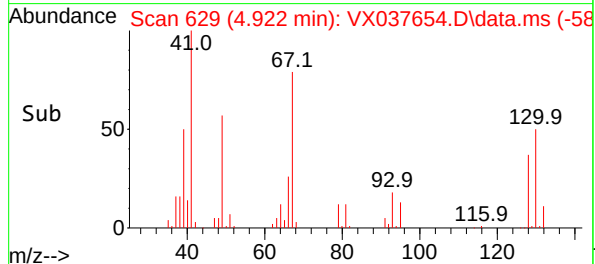
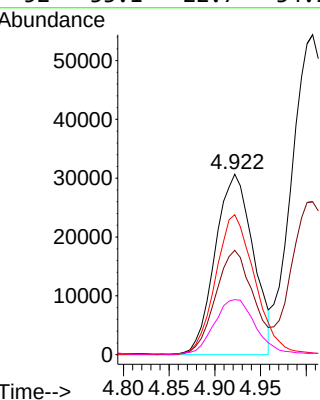
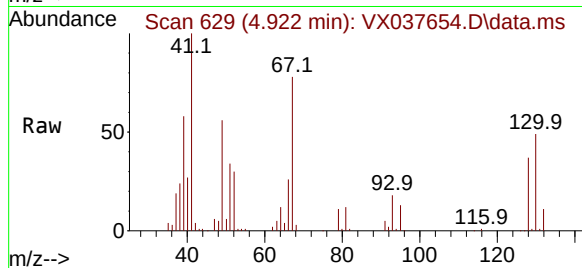
52 33.1 22.7 34.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#42

1,2-Dichloroethane

Concen: 50.222 ug/l

RT: 6.086 min Scan# 820

Delta R.T. -0.000 min

Lab File: VX037654.D

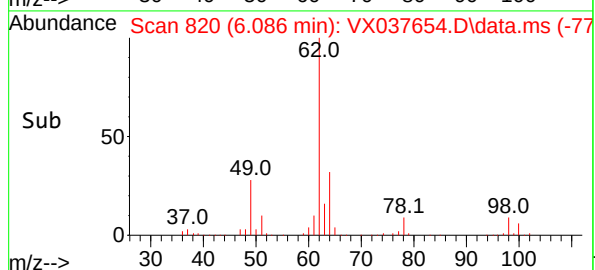
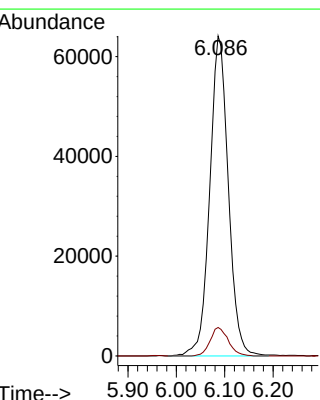
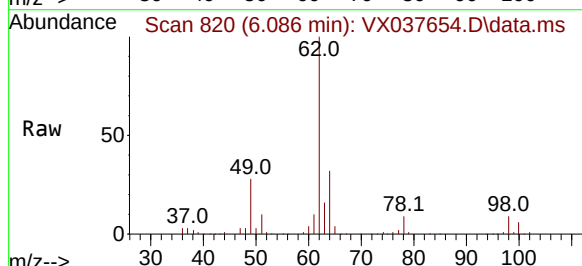
Acq: 11 Sep 2023 21:27

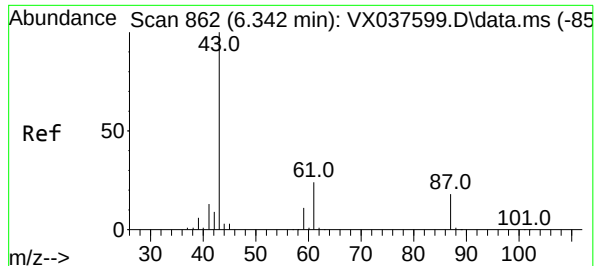
Tgt Ion: 62 Resp: 171111

Ion Ratio Lower Upper

62 100

98 8.7 0.0 16.0





#43

Isopropyl Acetate

Concen: 52.645 ug/l

RT: 6.342 min Scan# 80

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion: 43 Resp: 276334

Ion Ratio Lower Upper

43 100

61 19.9 15.2 22.8

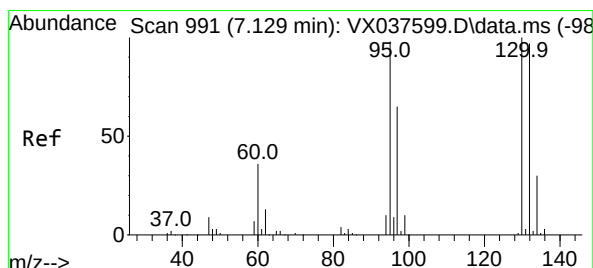
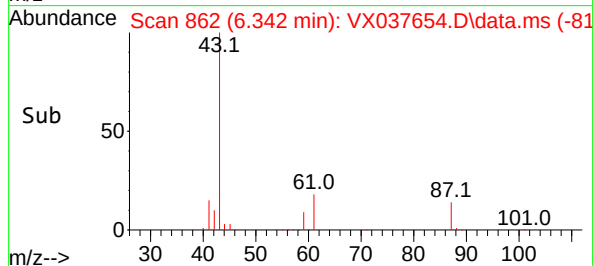
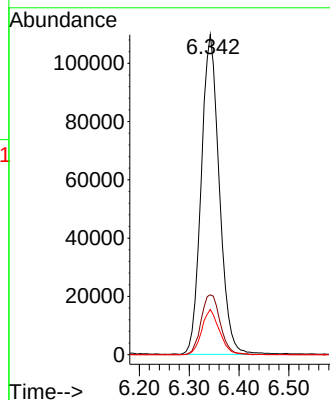
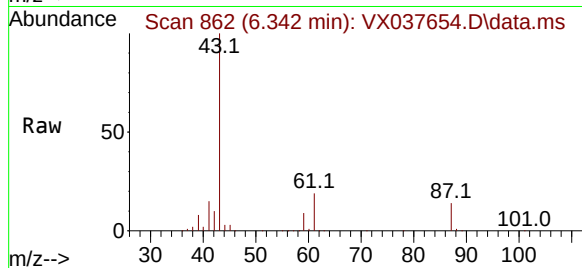
87 13.8 9.8 14.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#44

Trichloroethene

Concen: 50.182 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.006 min

Lab File: VX037654.D

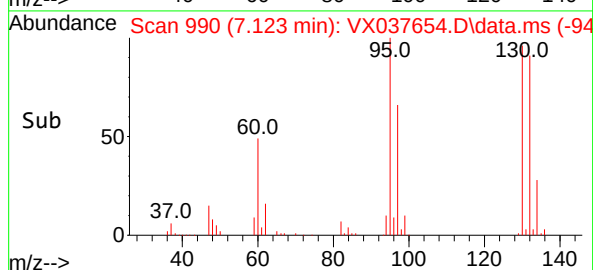
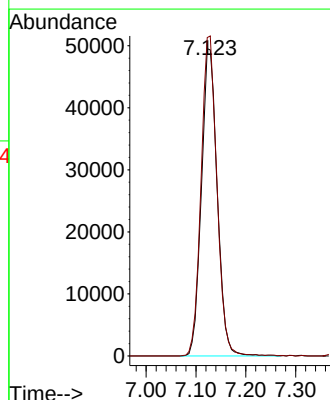
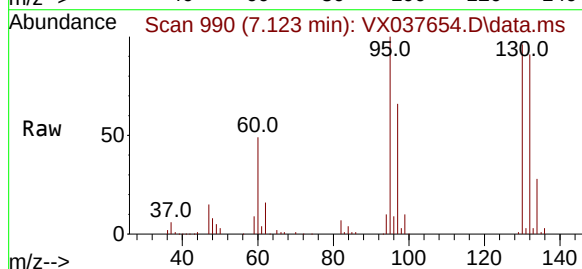
Acq: 11 Sep 2023 21:27

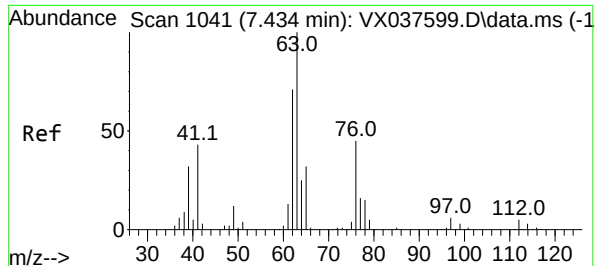
Tgt Ion:130 Resp: 109295

Ion Ratio Lower Upper

130 100

95 103.7 0.0 204.4





#45

1,2-Dichloropropane

Concen: 51.115 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion: 63 Resp: 117590

Ion Ratio Lower Upper

63 100

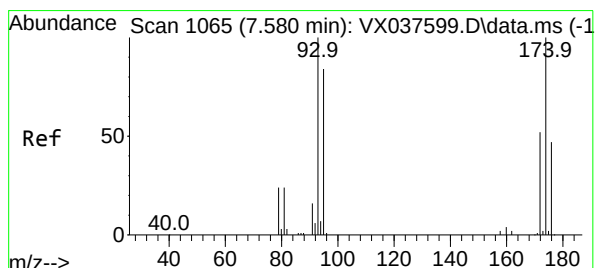
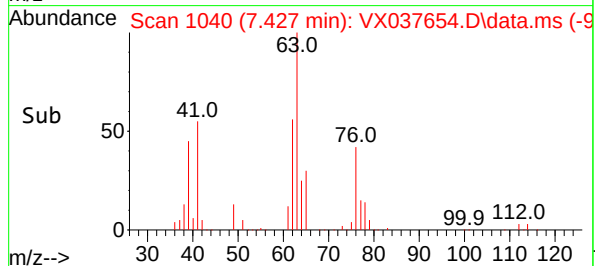
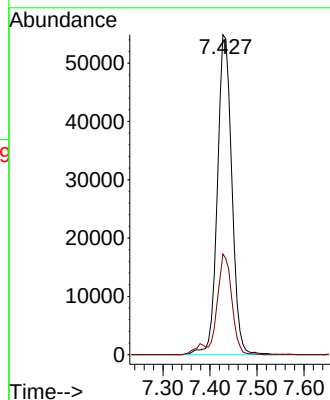
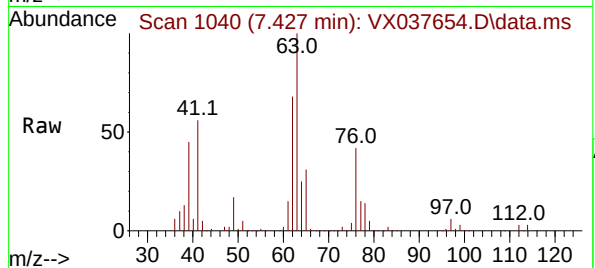
65 31.4 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#46

Dibromomethane

Concen: 51.786 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

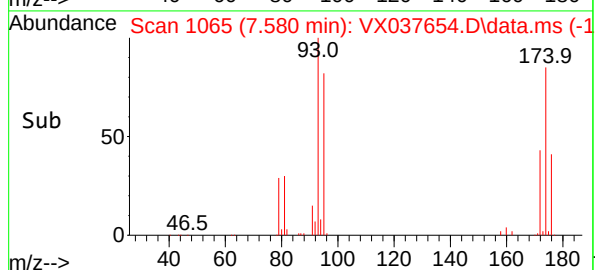
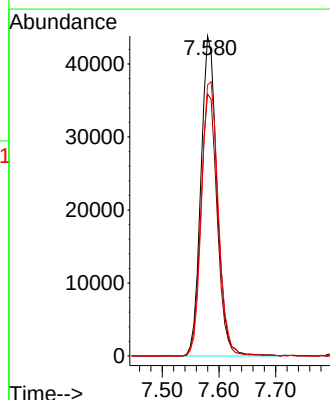
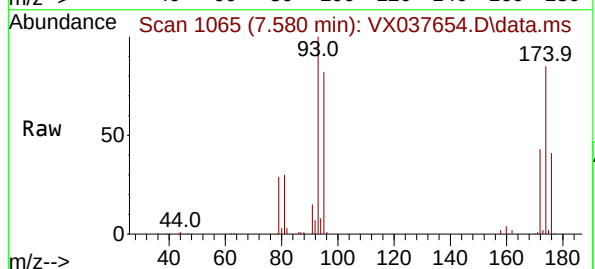
Tgt Ion: 93 Resp: 86672

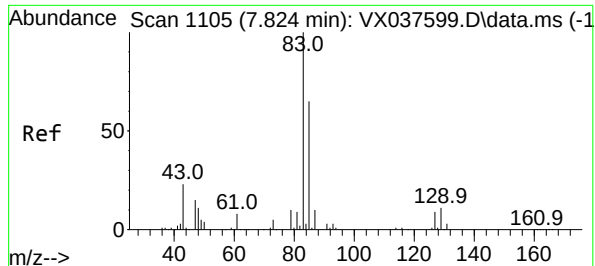
Ion Ratio Lower Upper

93 100

95 83.4 66.6 100.0

174 89.4 69.4 104.0





#47

Bromodichloromethane

Concen: 53.409 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

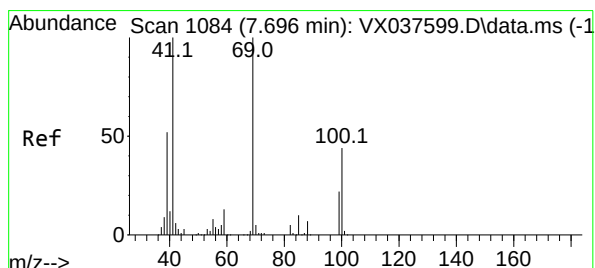
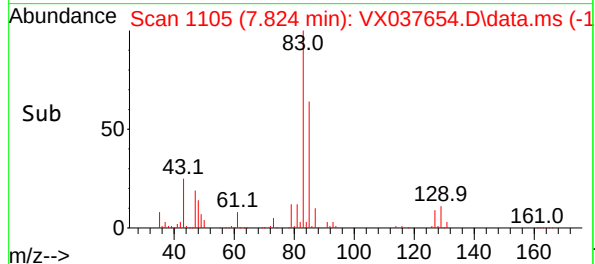
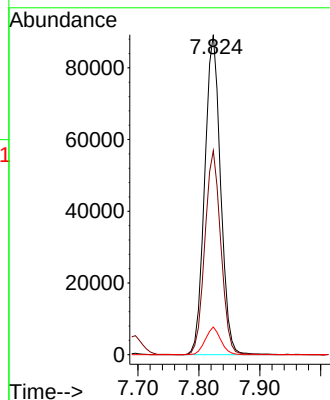
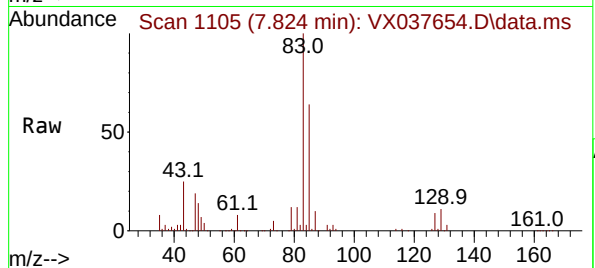
ICVVX091123

Tgt Ion: 83	Resp: 16136
Ion Ratio	Lower Upper
83	100
85	63.7 49.8 74.6
127	8.7 7.1 10.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#48

Methyl methacrylate

Concen: 53.384 ug/l

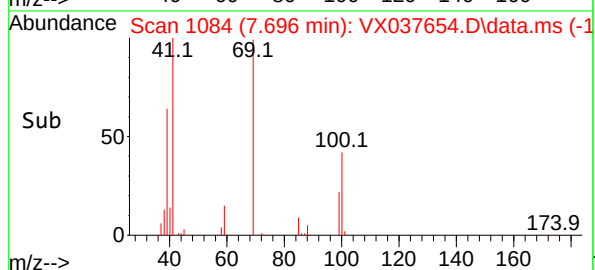
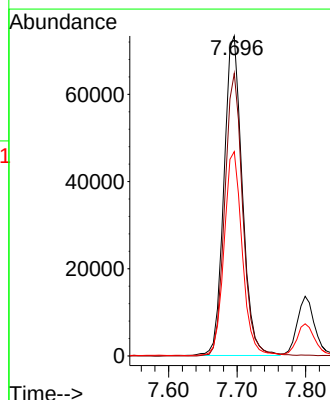
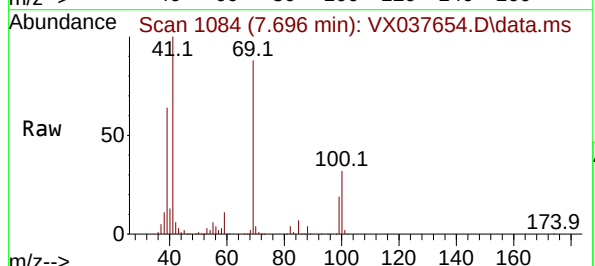
RT: 7.696 min Scan# 1084

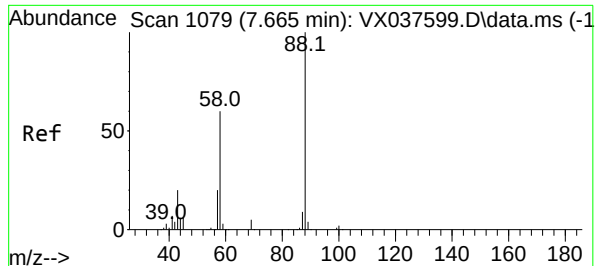
Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Tgt Ion: 41	Resp: 135453
Ion Ratio	Lower Upper
41	100
69	86.9 59.2 88.8
39	63.3 47.7 71.5





#49

1,4-Dioxane

Concen: 1060.295 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. -0.006 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091123

Tgt Ion: 88 Resp: 6665

Ion Ratio Lower Upper

88 100

43 31.2 0.0 0.0

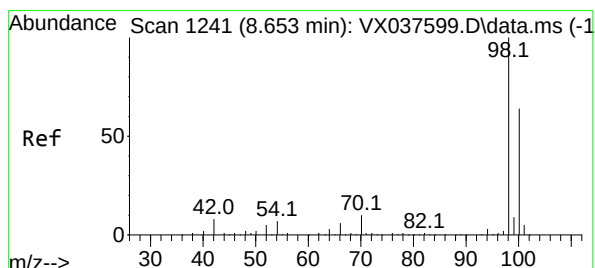
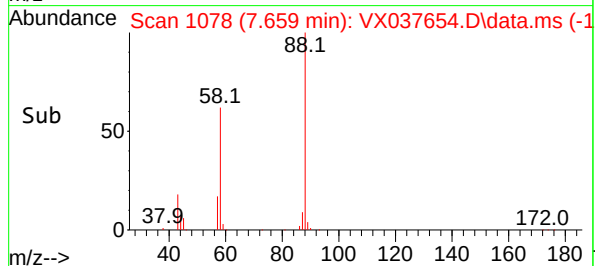
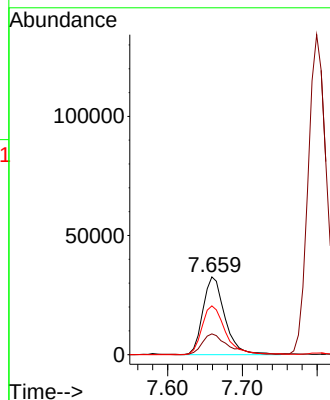
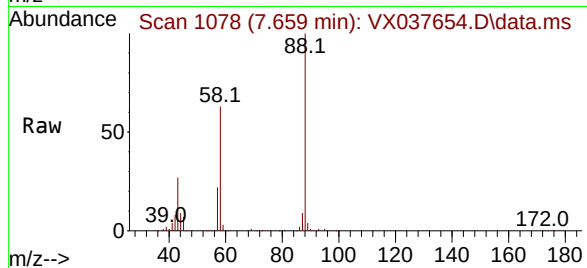
58 66.8 60.1 90.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#50

Toluene-d8

Concen: 51.822 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX037654.D

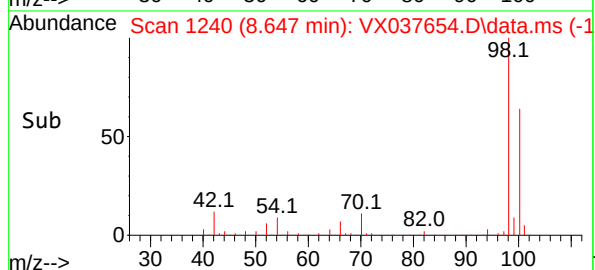
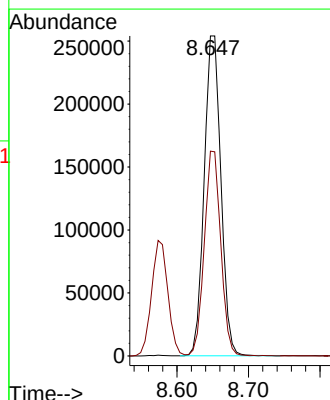
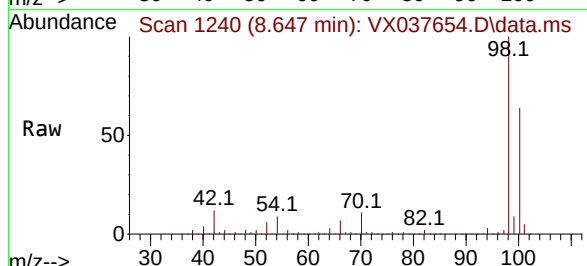
Acq: 11 Sep 2023 21:27

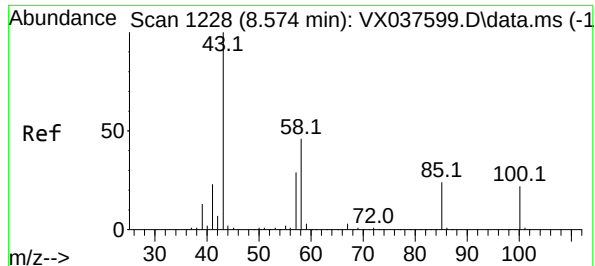
Tgt Ion: 98 Resp: 413114

Ion Ratio Lower Upper

98 100

100 62.9 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 265.637 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion: 43 Resp: 91556

Ion Ratio Lower Upper

43 100

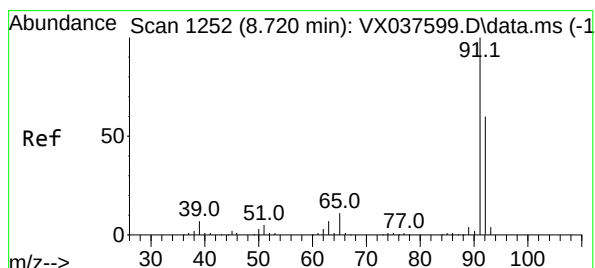
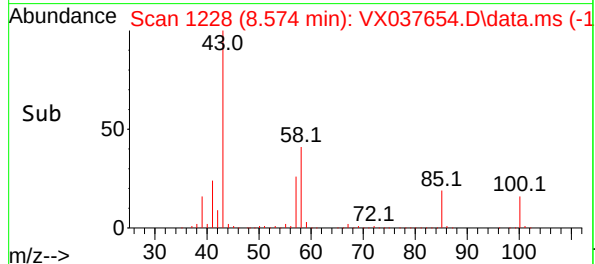
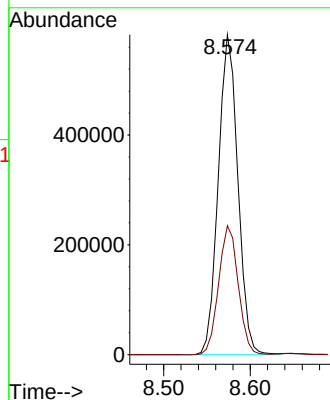
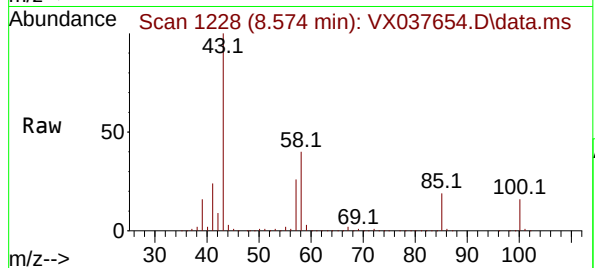
58 40.3 30.4 45.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#52

Toluene

Concen: 51.912 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX037654.D

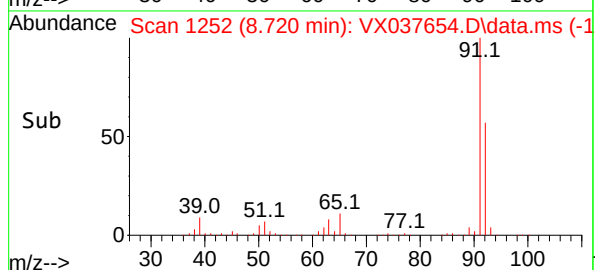
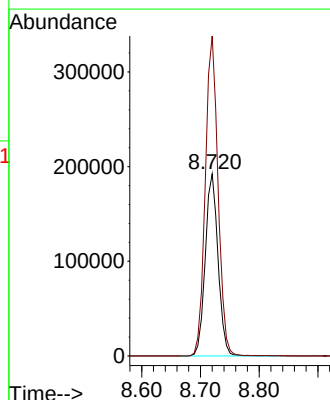
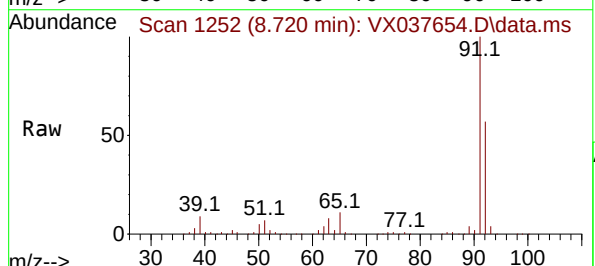
Acq: 11 Sep 2023 21:27

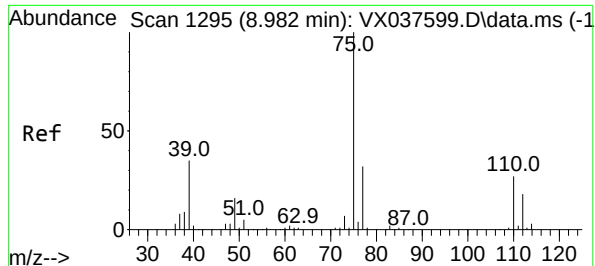
Tgt Ion: 92 Resp: 290961

Ion Ratio Lower Upper

92 100

91 175.1 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 54.427 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.006 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion: 75 Resp: 16671

Ion Ratio Lower Upper

75 100

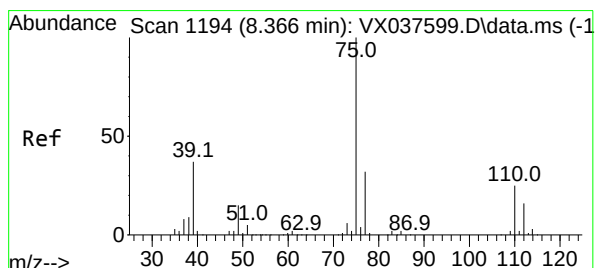
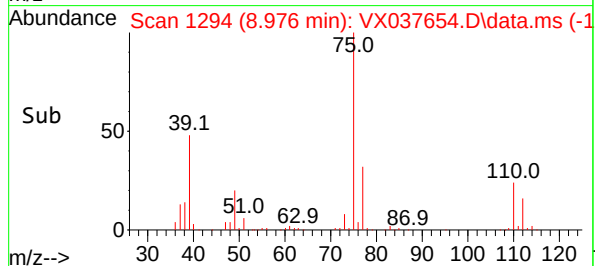
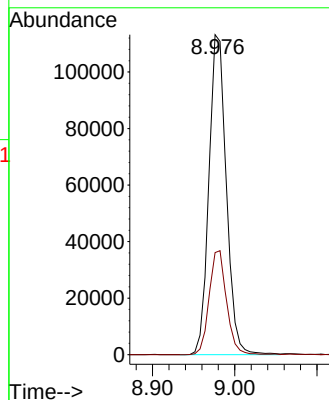
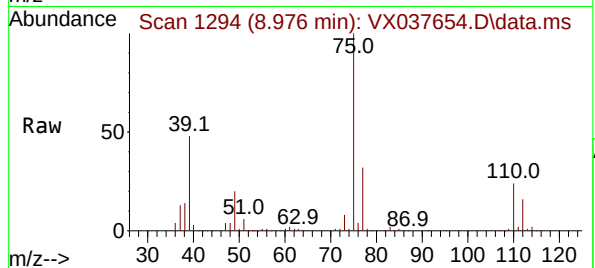
77 31.9 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#54

cis-1,3-Dichloropropene

Concen: 53.747 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

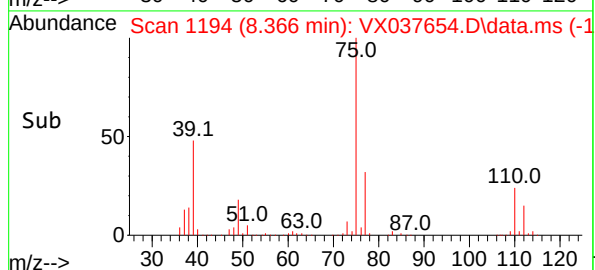
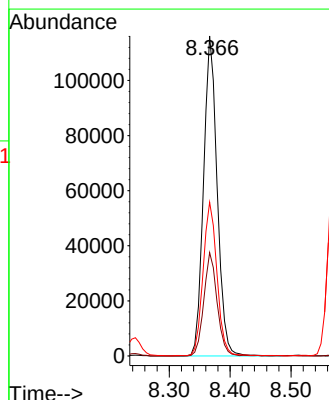
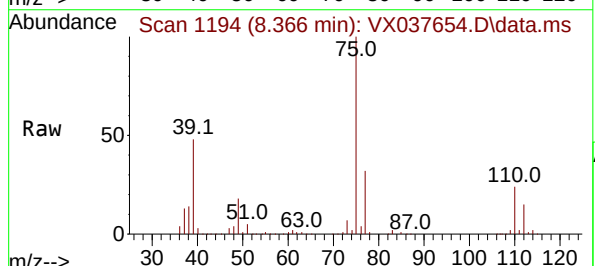
Tgt Ion: 75 Resp: 180652

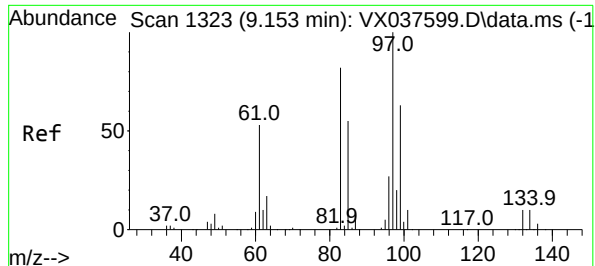
Ion Ratio Lower Upper

75 100

77 32.3 25.3 37.9

39 47.9 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 53.430 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion: 97 Resp: 126100

Ion Ratio Lower Upper

97 100

83 84.9 65.8 98.8

85 56.3 41.6 62.4

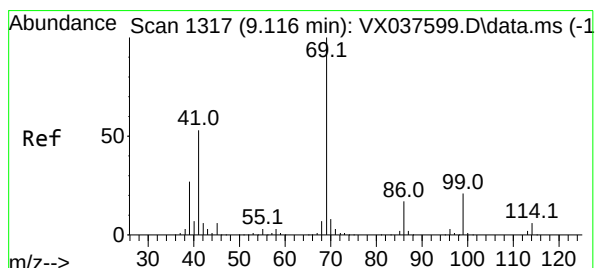
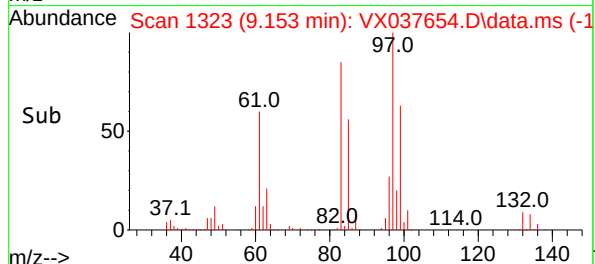
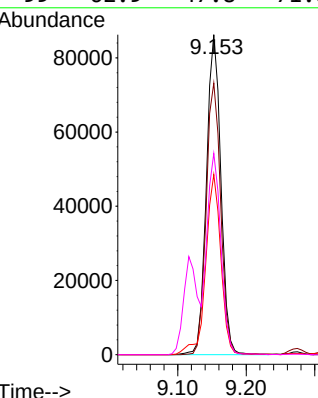
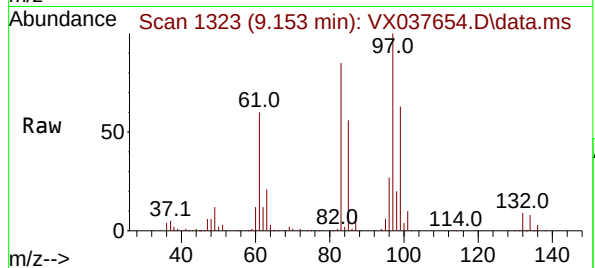
99 62.9 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#56

Ethyl methacrylate

Concen: 54.501 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

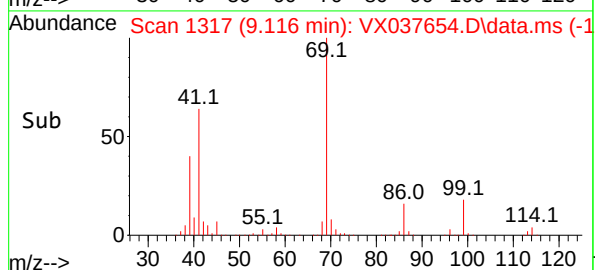
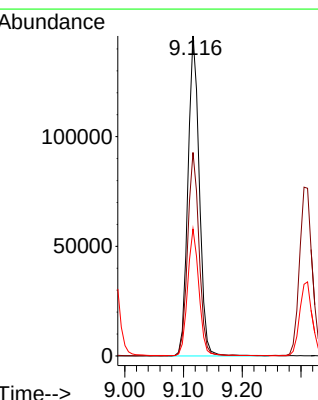
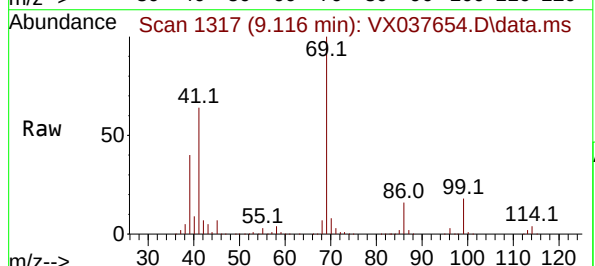
Tgt Ion: 69 Resp: 196801

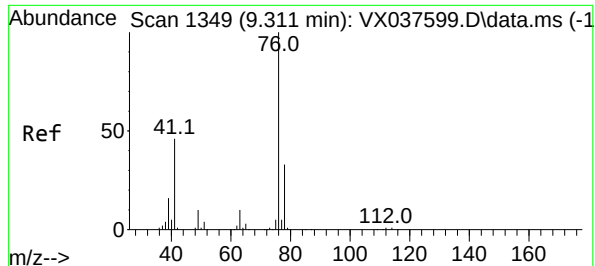
Ion Ratio Lower Upper

69 100

41 63.5 56.8 85.2

39 39.0 32.0 48.0





#57

1,3-Dichloropropane

Concen: 51.883 ug/l

RT: 9.311 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion: 76 Resp: 20539

Ion Ratio Lower Upper

76 100

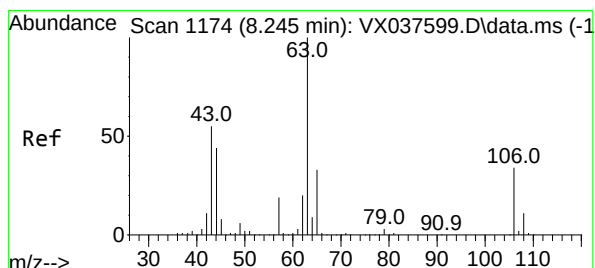
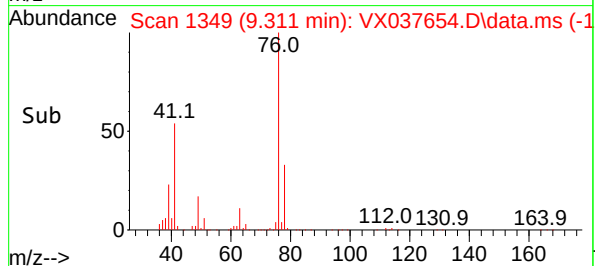
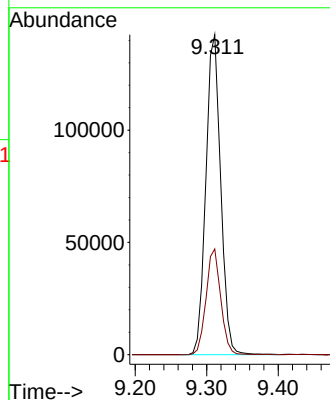
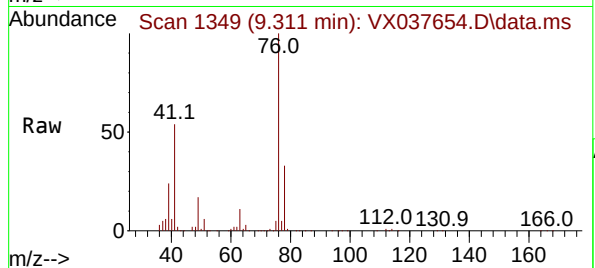
78 32.6 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#58

2-Chloroethyl Vinyl ether

Concen: 273.508 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. -0.000 min

Lab File: VX037654.D

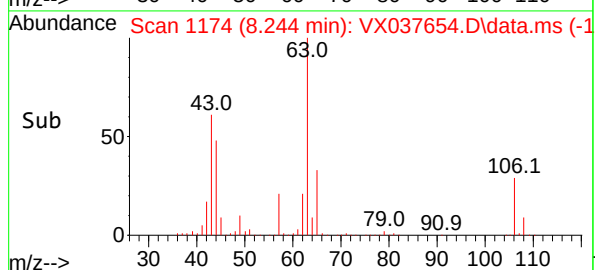
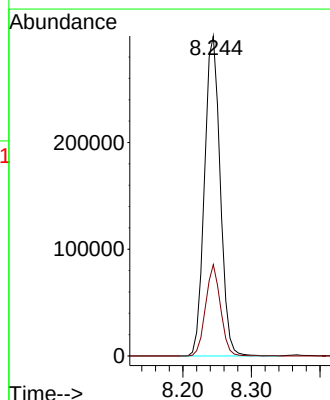
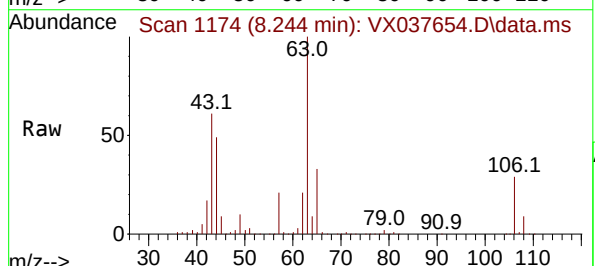
Acq: 11 Sep 2023 21:27

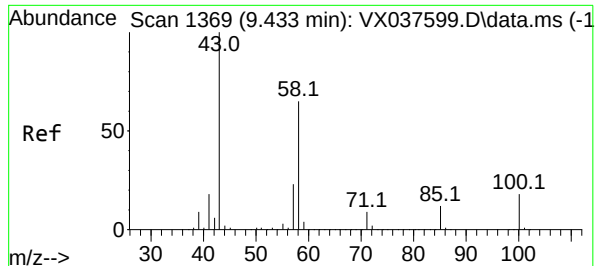
Tgt Ion: 63 Resp: 478883

Ion Ratio Lower Upper

63 100

106 27.1 22.5 33.7





#59

2-Hexanone

Concen: 271.571 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion: 43 Resp: 72251

Ion Ratio Lower Upper

43 100

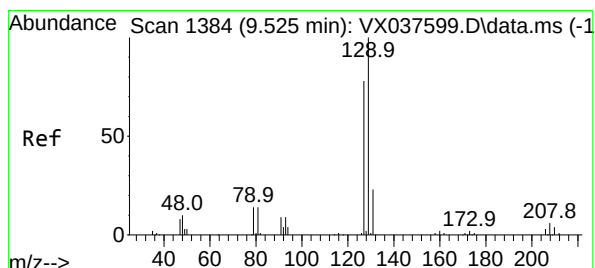
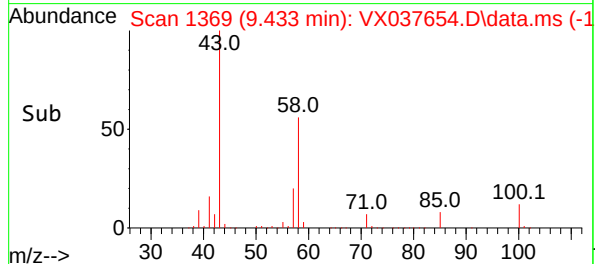
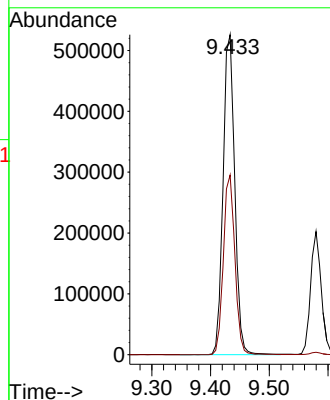
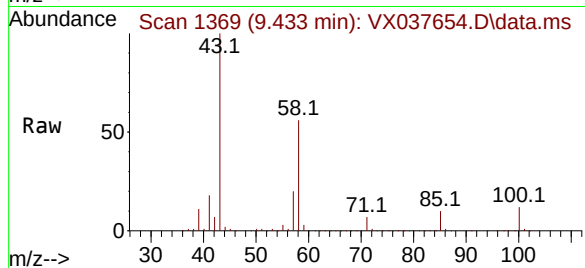
58 55.7 26.2 78.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#60

Dibromochloromethane

Concen: 54.718 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VX037654.D

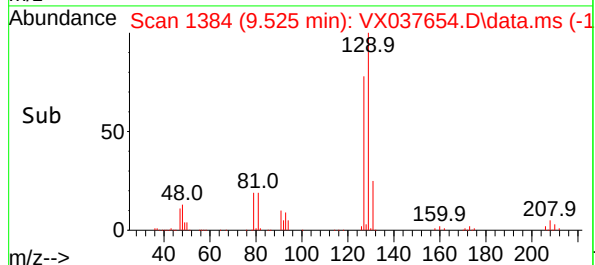
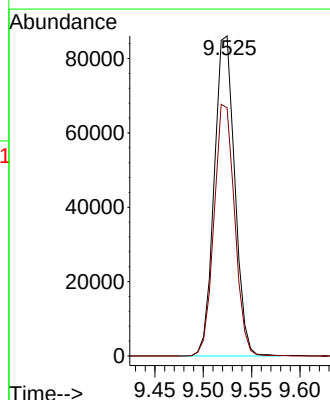
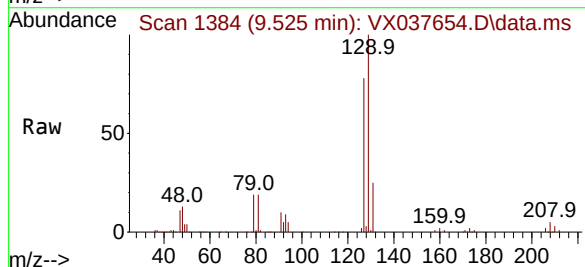
Acq: 11 Sep 2023 21:27

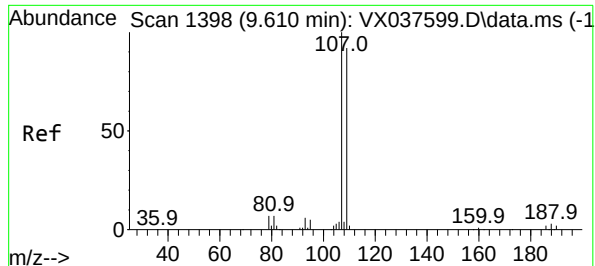
Tgt Ion:129 Resp: 126848

Ion Ratio Lower Upper

129 100

127 78.8 38.8 116.4





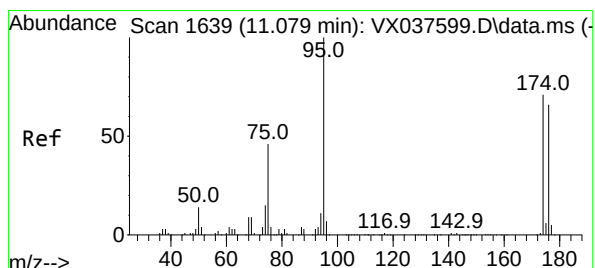
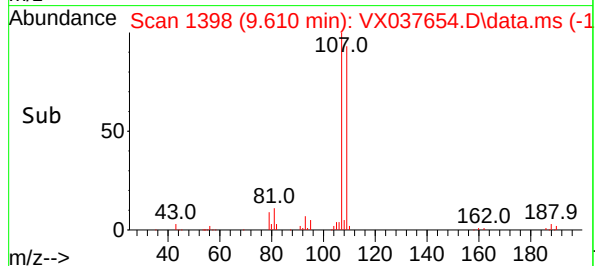
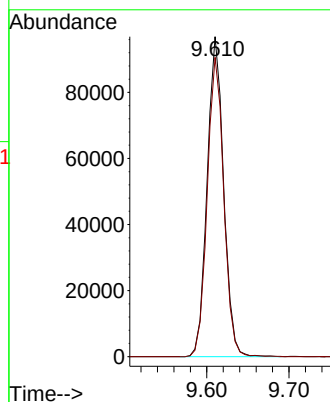
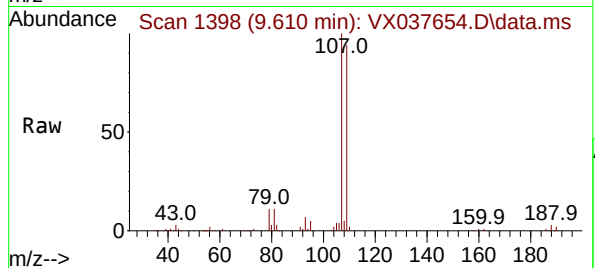
#61
1,2-Dibromoethane
Concen: 53.149 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. -0.000 min
Lab File: VX037654.D
Acq: 11 Sep 2023 21:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091123

Tgt Ion: 107 Resp: 13483
Ion Ratio Lower Upper
107 100
109 93.7 75.2 112.8

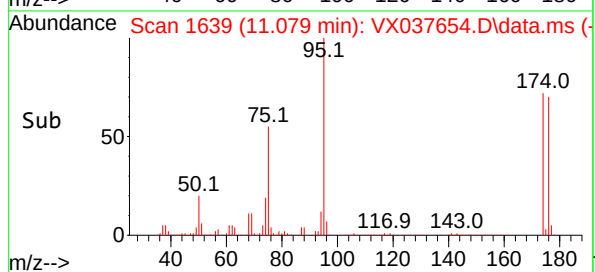
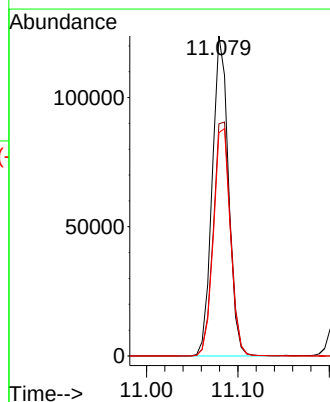
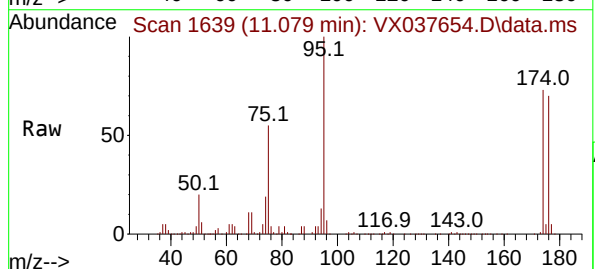
Manual Integrations
APPROVED

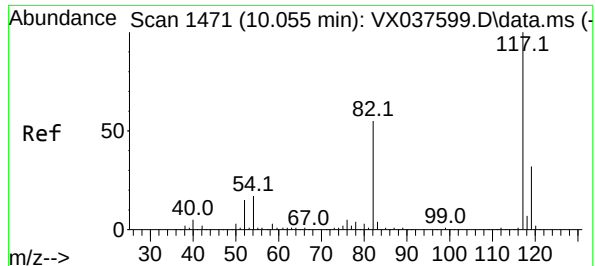
Reviewed By : John Carlone 09/12/2023
Supervised By : Mahesh Dadoda 09/12/2023



#62
4-Bromofluorobenzene
Concen: 52.977 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037654.D
Acq: 11 Sep 2023 21:27

Tgt Ion: 95 Resp: 152363
Ion Ratio Lower Upper
95 100
174 77.8 0.0 135.6
176 74.3 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091123

Tgt Ion:117 Resp: 291662

Ion Ratio Lower Upper

117 100

82 56.5 46.2 69.4

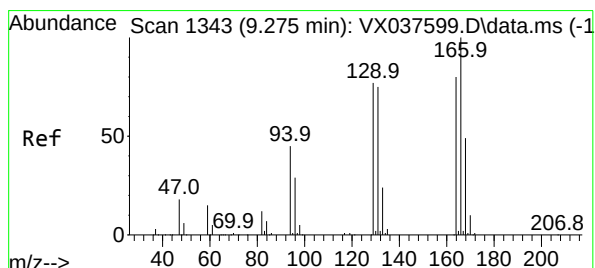
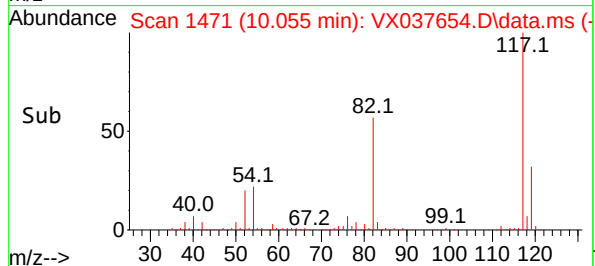
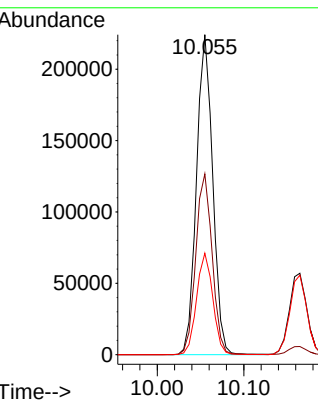
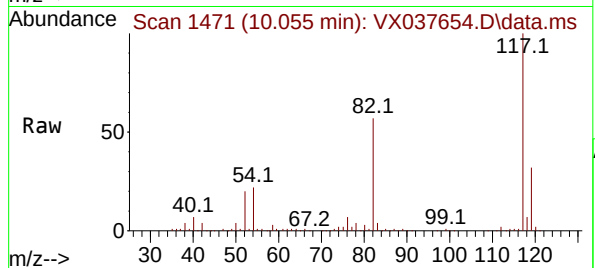
119 31.7 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#64

Tetrachloroethene

Concen: 50.317 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Tgt Ion:164 Resp: 95083

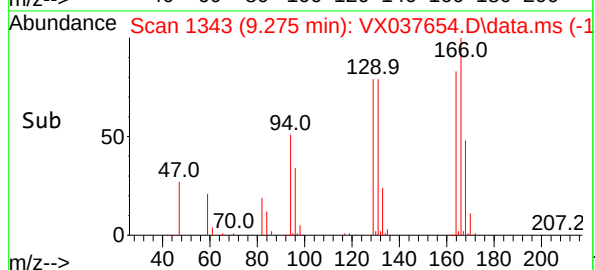
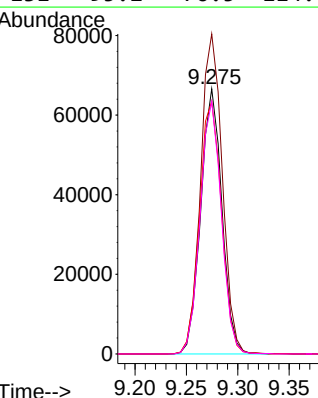
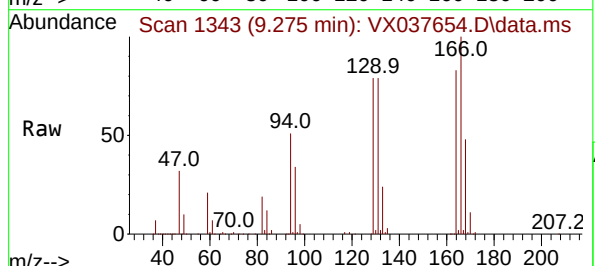
Ion Ratio Lower Upper

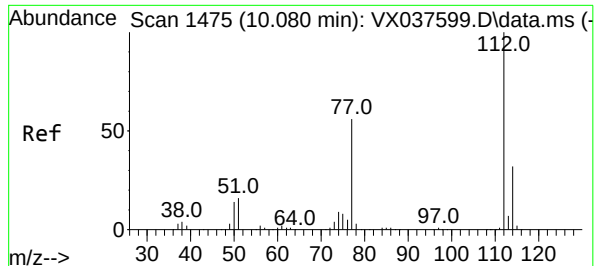
164 100

166 120.7 102.7 154.1

129 95.3 80.4 120.6

131 95.2 76.5 114.7





#65

Chlorobenzene

Concen: 50.494 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion:112 Resp: 31390

Ion Ratio Lower Upper

112 100

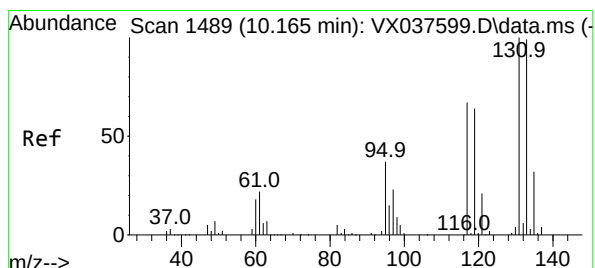
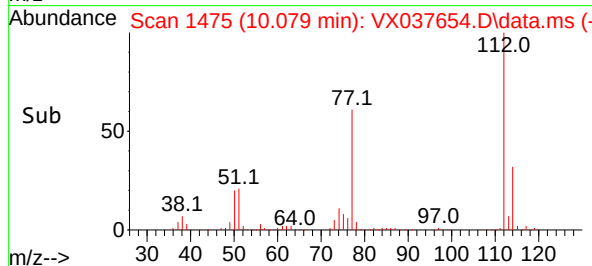
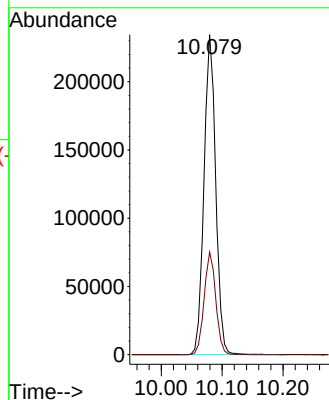
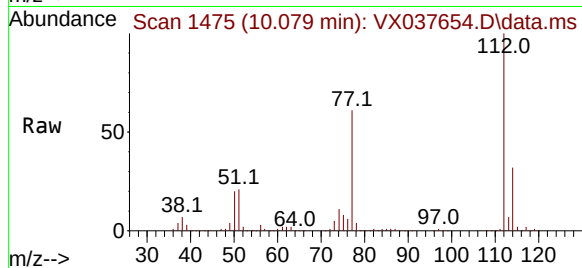
114 32.0 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#66

1,1,1,2-Tetrachloroethane

Concen: 54.513 ug/l

RT: 10.165 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

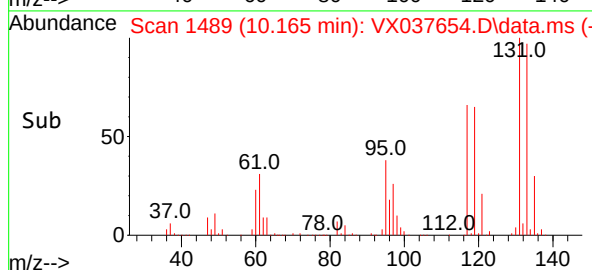
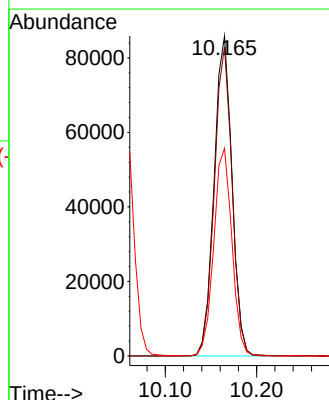
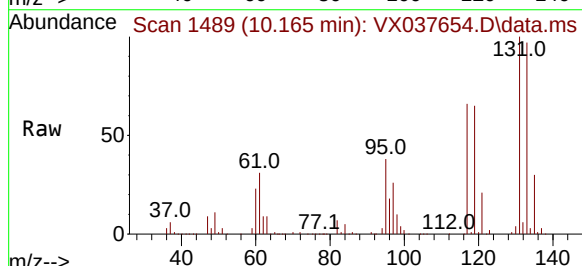
Tgt Ion:131 Resp: 116794

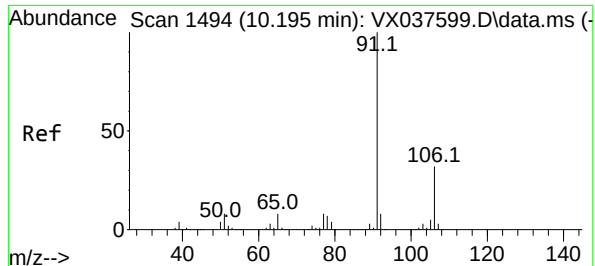
Ion Ratio Lower Upper

131 100

133 95.8 47.1 141.4

119 65.8 32.2 96.6





#67

Ethyl Benzene

Concen: 51.864 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091123

Tgt Ion: 91 Resp: 573774

Ion Ratio Lower Upper

91 100

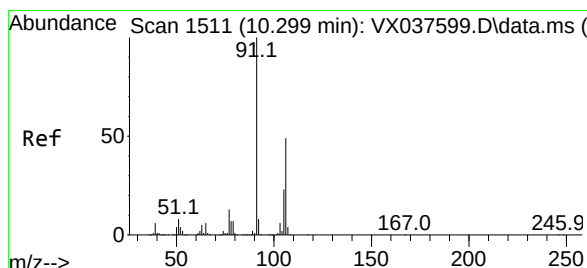
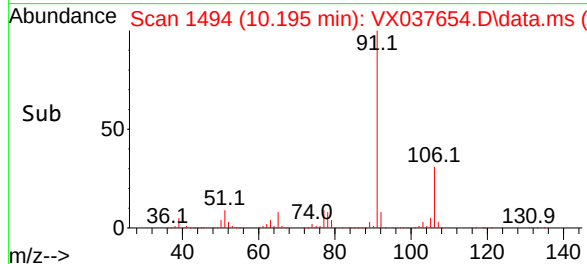
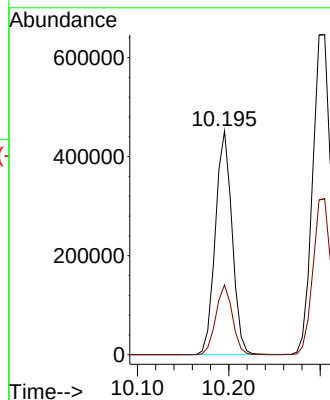
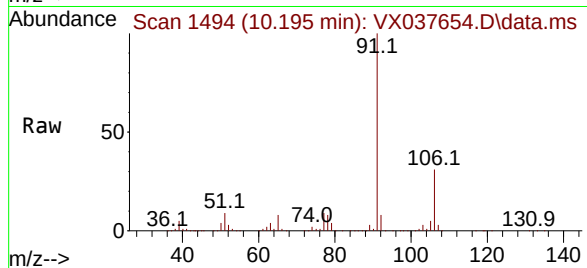
106 31.2 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#68

m/p-Xylenes

Concen: 103.897 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX037654.D

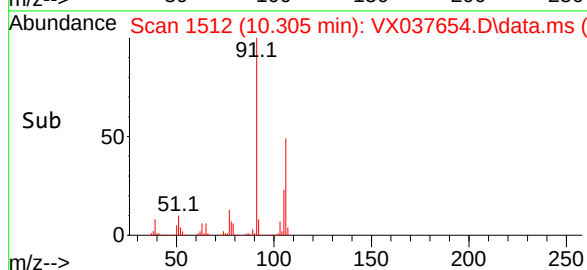
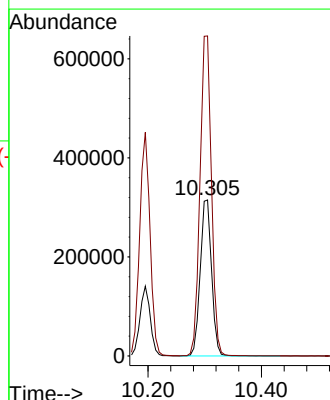
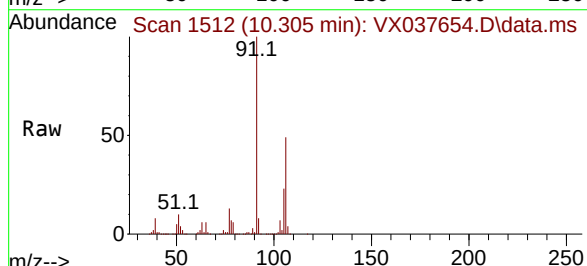
Acq: 11 Sep 2023 21:27

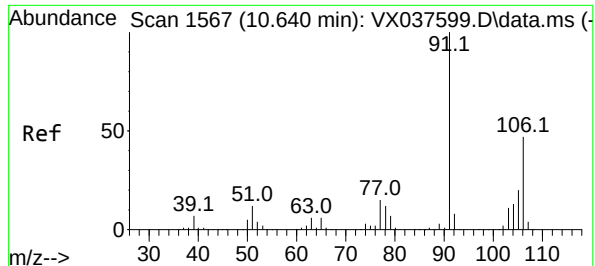
Tgt Ion:106 Resp: 438274

Ion Ratio Lower Upper

106 100

91 206.3 165.5 248.3





#69

o-Xylene

Concen: 52.194 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion:106 Resp: 21951

Ion Ratio Lower Upper

106 100

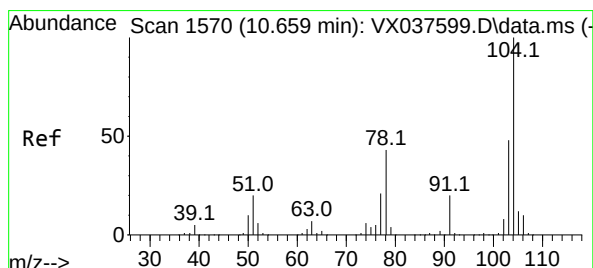
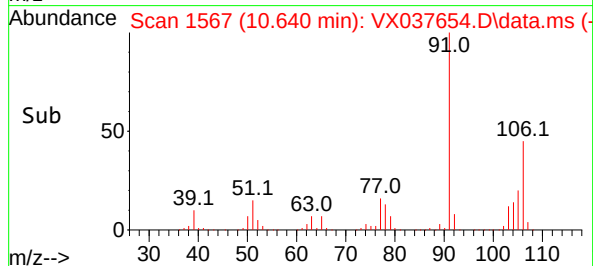
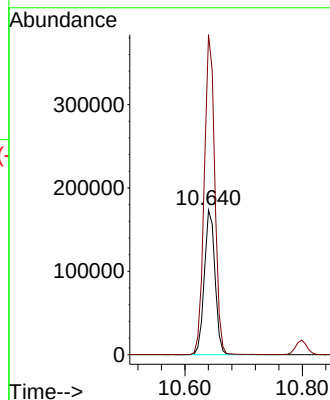
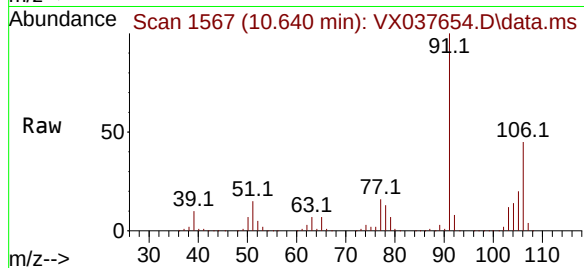
91 218.4 108.9 326.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#70

Styrene

Concen: 53.998 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.007 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

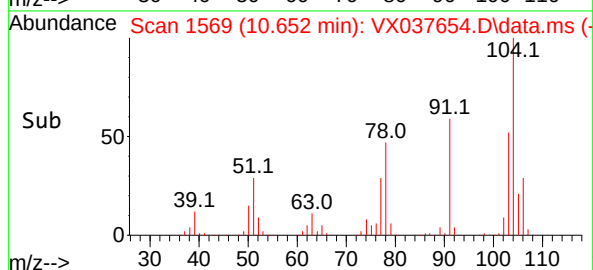
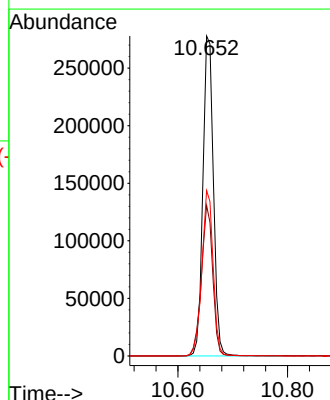
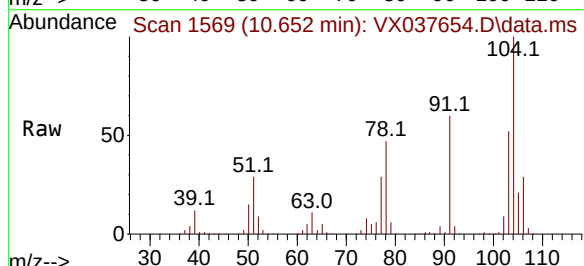
Tgt Ion:104 Resp: 370510

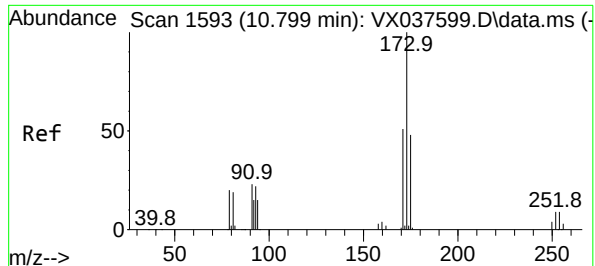
Ion Ratio Lower Upper

104 100

78 50.6 43.6 65.4

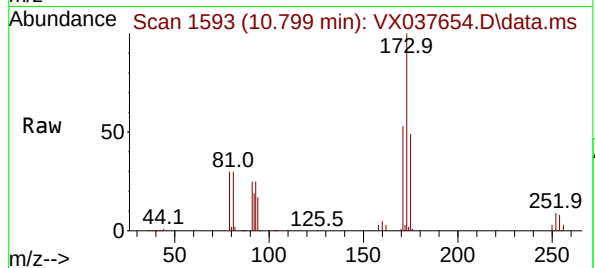
103 55.5 43.6 65.4





#71
Bromoform
Concen: 55.472 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX037654.D
Acq: 11 Sep 2023 21:27

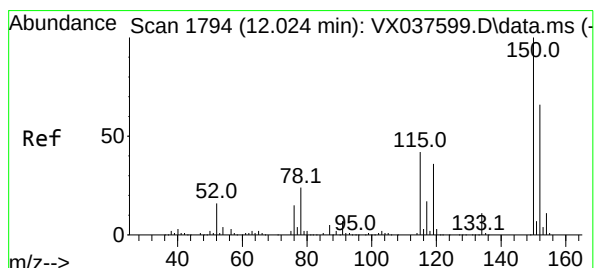
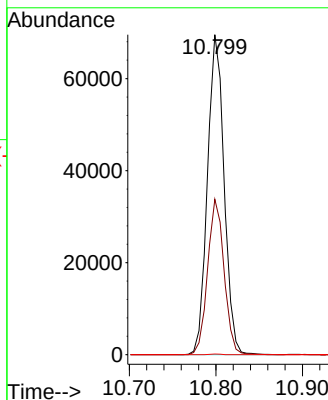
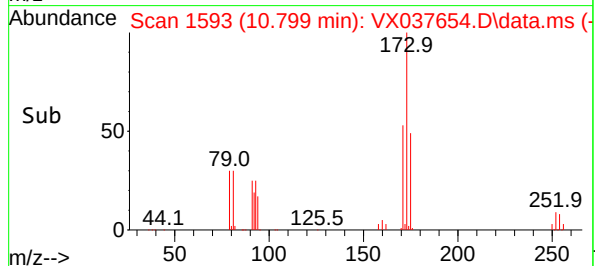
Instrument :
MSVOA_X
ClientSampleId :
ICVX091123



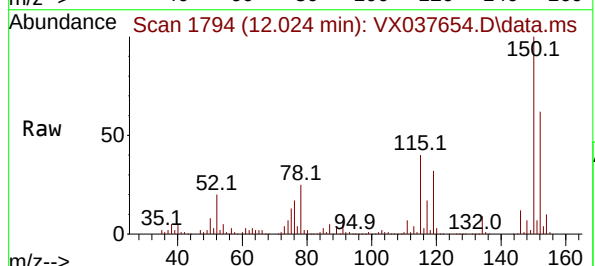
Tgt Ion:173 Resp: 92998
Ion Ratio Lower Upper
173 100
175 47.9 24.1 72.4
254 0.1 0.0 0.0

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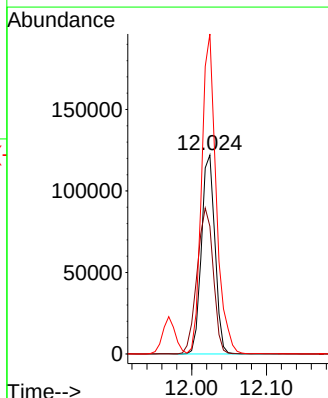
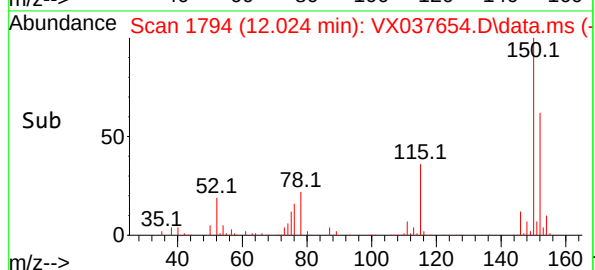
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

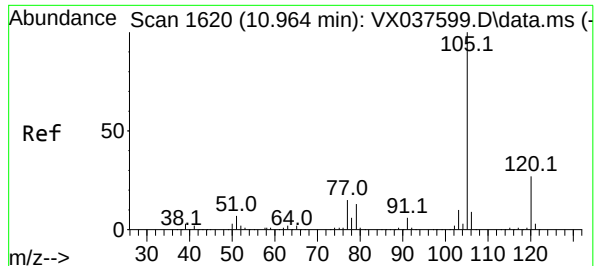


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037654.D
Acq: 11 Sep 2023 21:27



Tgt Ion:152 Resp: 153169
Ion Ratio Lower Upper
152 100
115 88.0 43.3 129.9
150 173.5 0.0 345.0





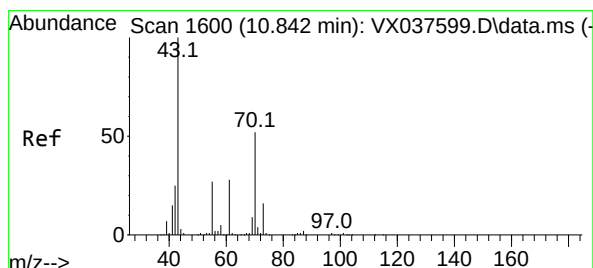
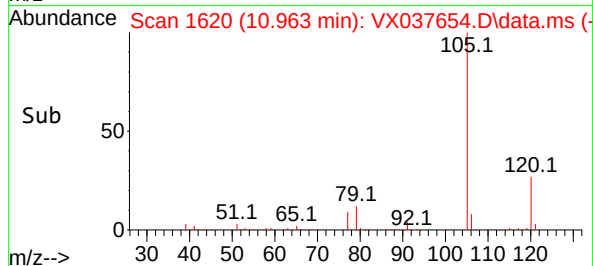
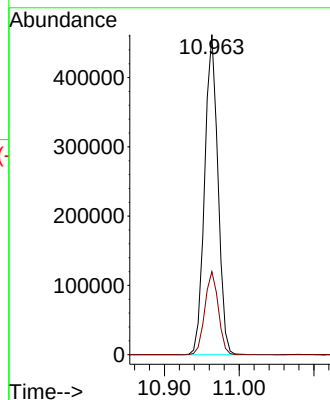
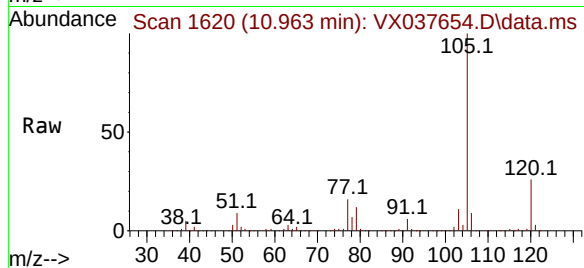
#73
Isopropylbenzene
Concen: 49.635 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX037654.D
Acq: 11 Sep 2023 21:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091123

Tgt Ion: 105 Resp: 569190
Ion Ratio Lower Upper
105 100
120 26.3 12.9 38.6

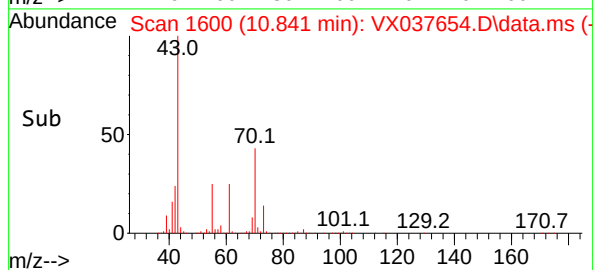
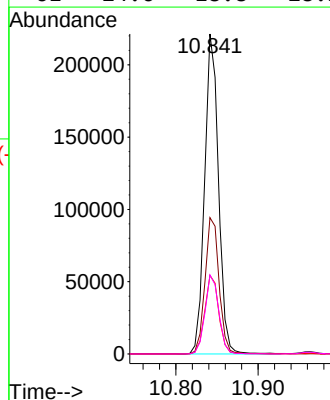
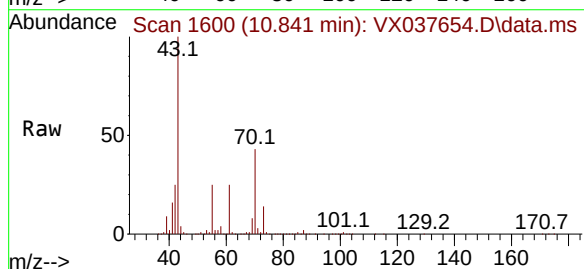
Manual Integrations
APPROVED

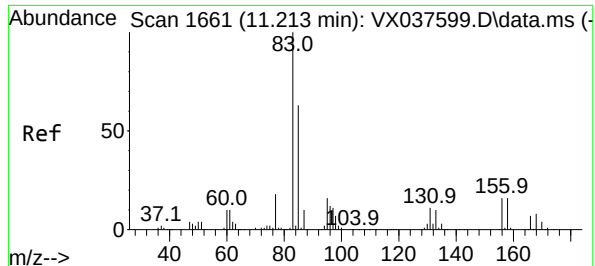
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#74
N-ethyl acetate
Concen: 51.798 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX037654.D
Acq: 11 Sep 2023 21:27

Tgt Ion: 43 Resp: 259022
Ion Ratio Lower Upper
43 100
70 43.4 32.9 49.3
55 25.1 19.3 28.9
61 24.6 18.8 28.2





#75

1,1,2,2-Tetrachloroethane

Concen: 49.576 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion: 83 Resp: 21275

Ion Ratio Lower Upper

83 100

131 9.8 5.3 15.8

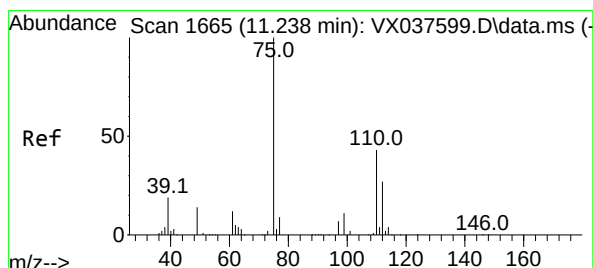
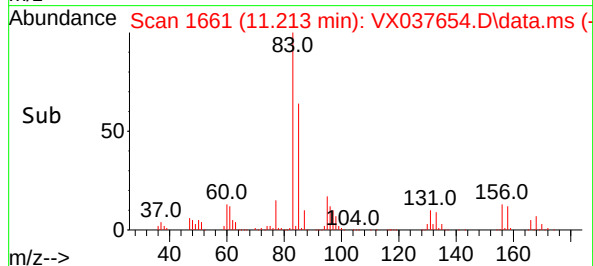
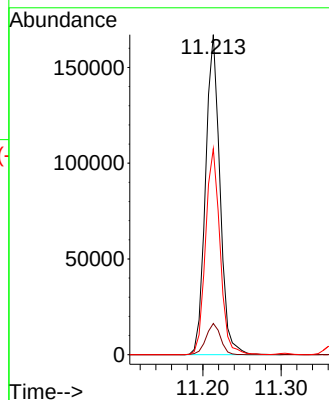
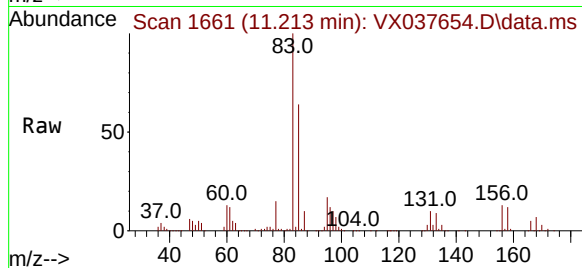
85 64.7 32.0 96.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#76

1,2,3-Trichloropropane

Concen: 49.526 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX037654.D

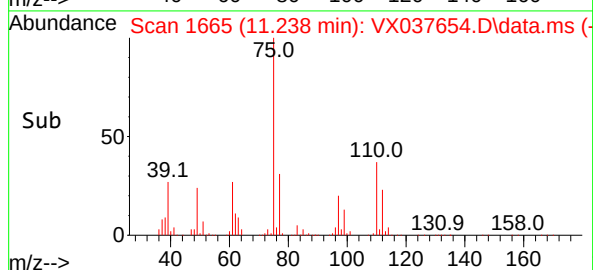
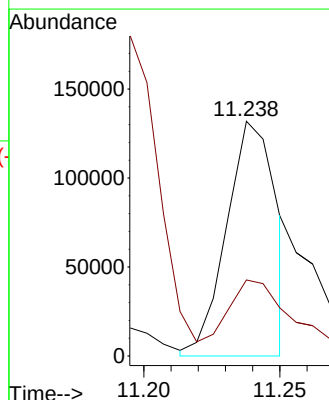
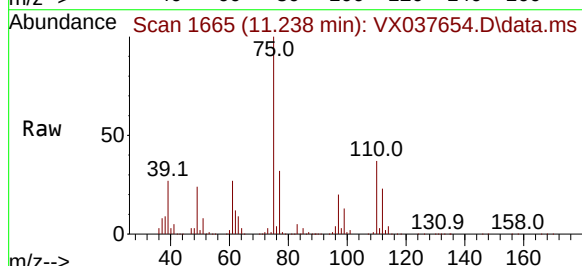
Acq: 11 Sep 2023 21:27

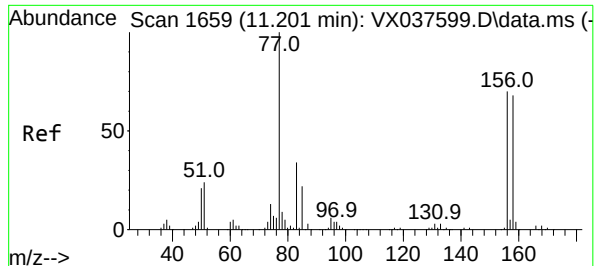
Tgt Ion: 75 Resp: 166771

Ion Ratio Lower Upper

75 100

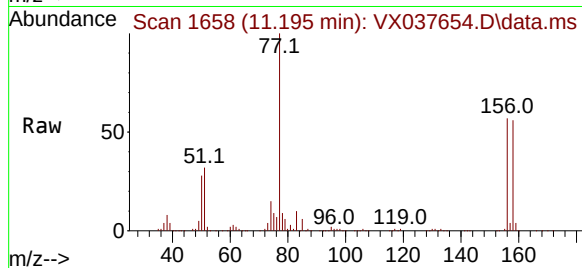
77 43.8 19.1 57.5





#77
Bromobenzene
Concen: 50.695 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.006 min
Lab File: VX037654.D
Acq: 11 Sep 2023 21:27

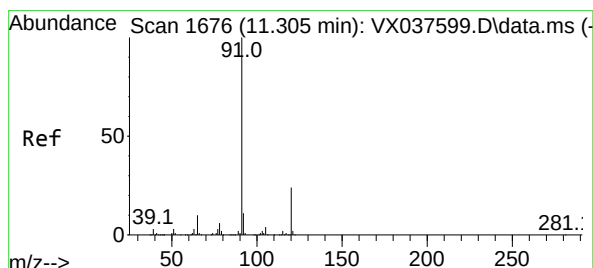
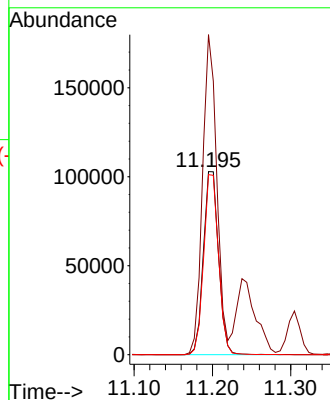
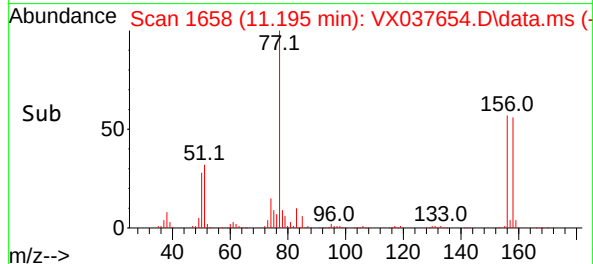
Instrument :
MSVOA_X
ClientSampleId :
ICVVX091123



Tgt Ion:156 Resp: 137770
Ion Ratio Lower Upper
156 100
77 164.6 88.4 265.3
158 96.9 48.0 144.0

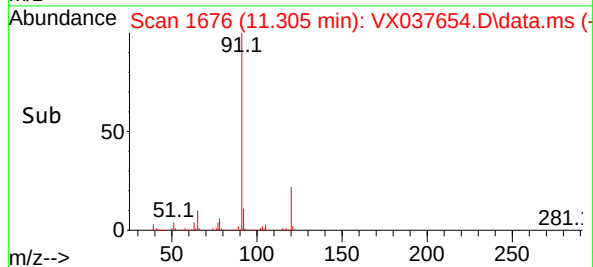
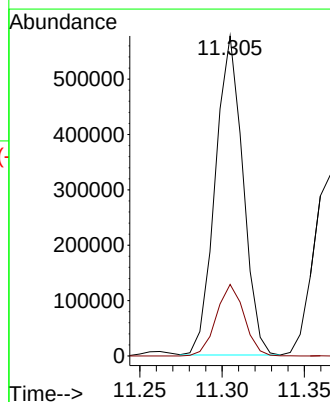
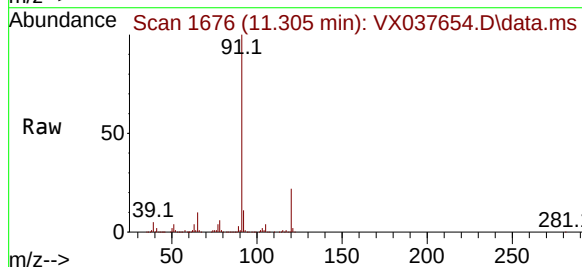
Manual Integrations
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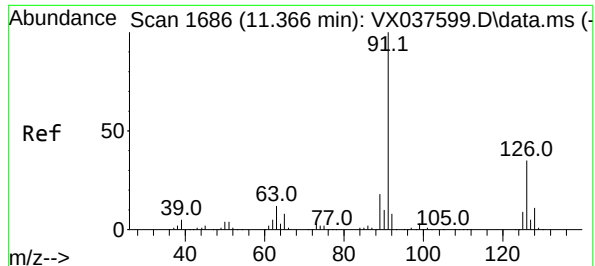
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#78
n-propylbenzene
Concen: 51.068 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX037654.D
Acq: 11 Sep 2023 21:27

Tgt Ion: 91 Resp: 673759
Ion Ratio Lower Upper
91 100
120 22.5 11.5 34.4





#79

2-Chlorotoluene

Concen: 49.955 ug/l

RT: 11.366 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion: 91 Resp: 40570

Ion Ratio Lower Upper

91 100

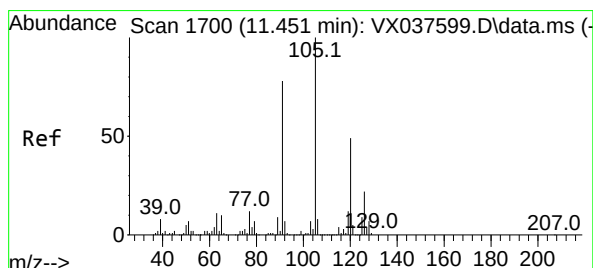
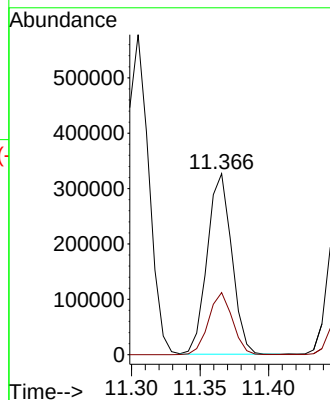
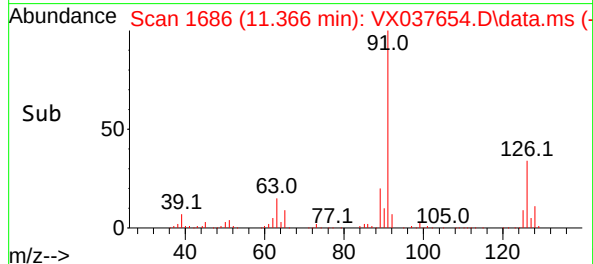
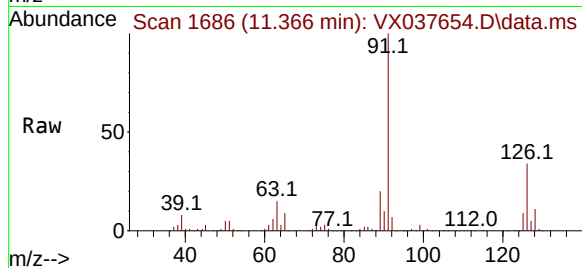
126 33.6 16.3 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#80

1,3,5-Trimethylbenzene

Concen: 52.010 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX037654.D

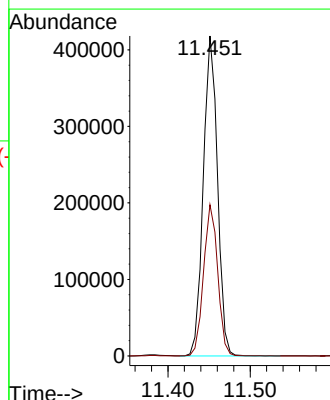
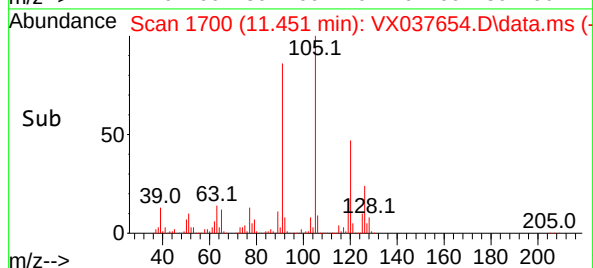
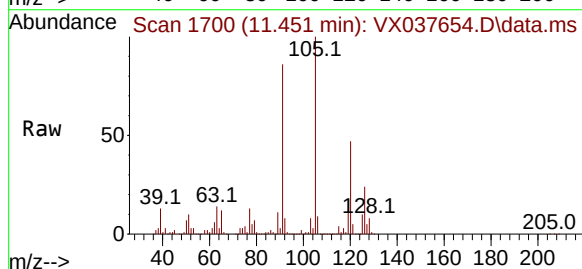
Acq: 11 Sep 2023 21:27

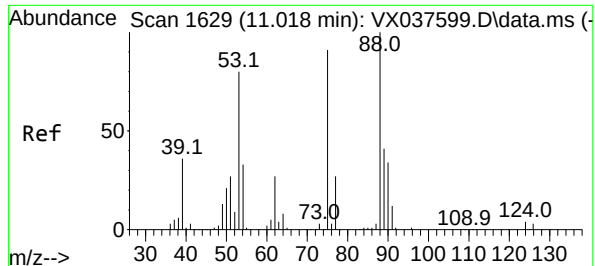
Tgt Ion:105 Resp: 501260

Ion Ratio Lower Upper

105 100

120 47.2 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 49.909 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVVX091123

Tgt Ion: 75 Resp: 55289

Ion Ratio Lower Upper

75 100

53 103.4 90.5 135.7

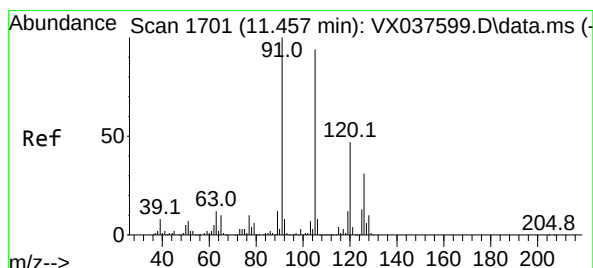
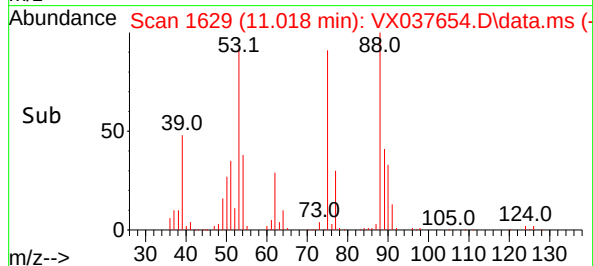
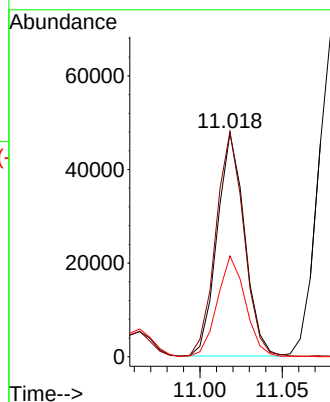
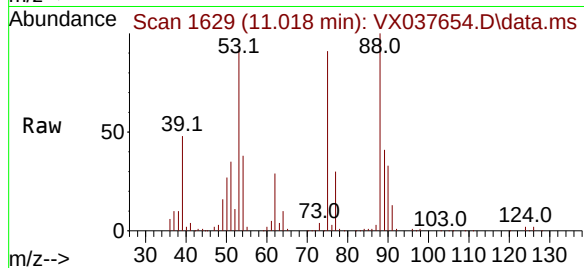
89 46.3 36.9 55.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#82

4-Chlorotoluene

Concen: 50.472 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VX037654.D

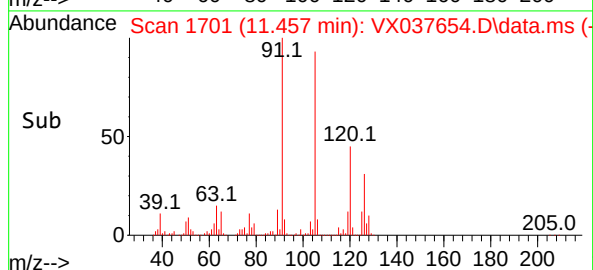
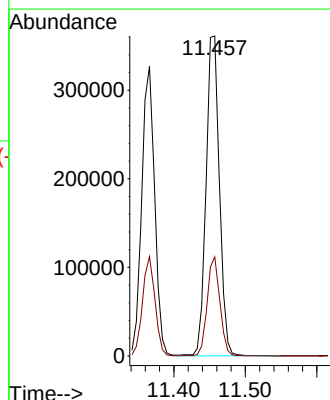
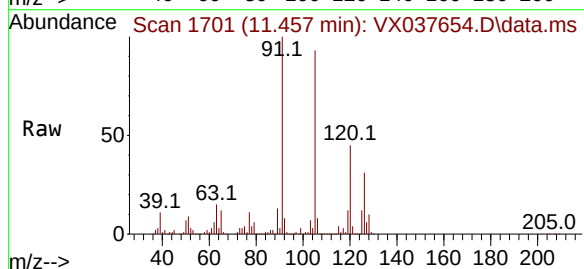
Acq: 11 Sep 2023 21:27

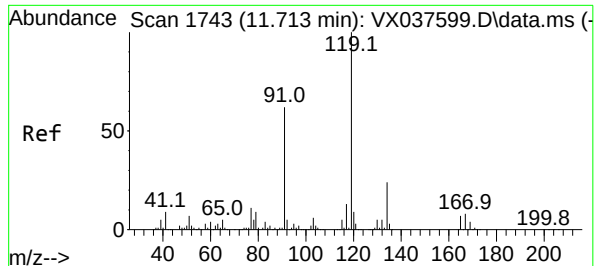
Tgt Ion: 91 Resp: 468233

Ion Ratio Lower Upper

91 100

126 29.5 14.2 42.6





#83

tert-Butylbenzene

Concen: 51.020 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion:119 Resp: 49398

Ion Ratio Lower Upper

119 100

91 59.1 31.2 93.6

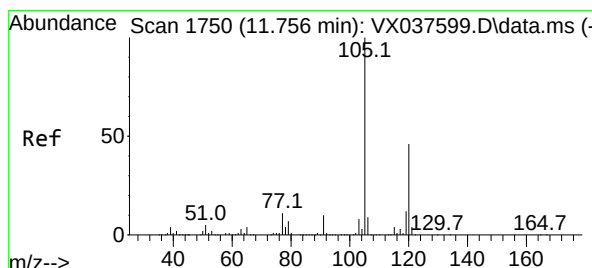
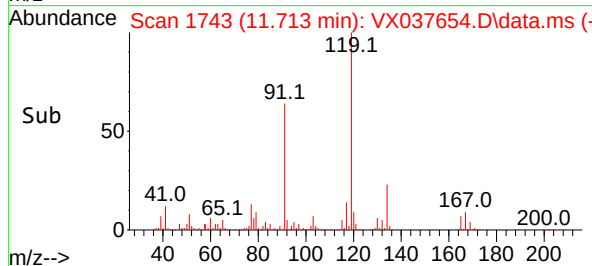
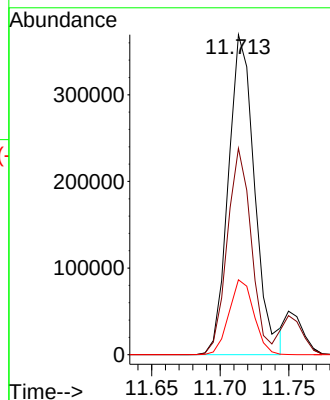
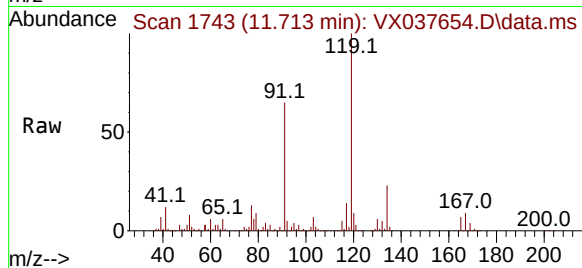
134 22.3 11.7 35.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#84

1,2,4-Trimethylbenzene

Concen: 51.501 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.006 min

Lab File: VX037654.D

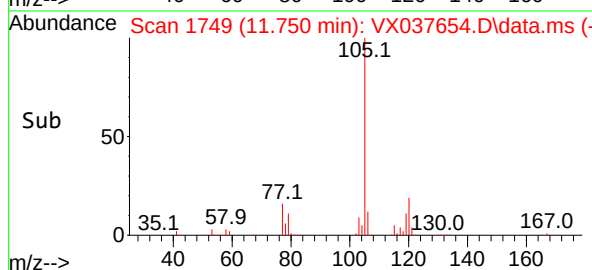
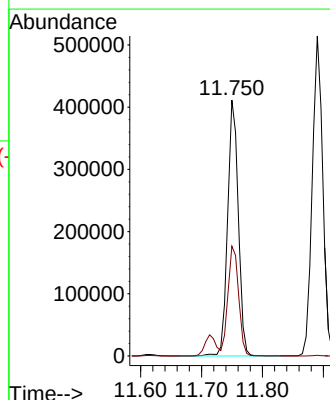
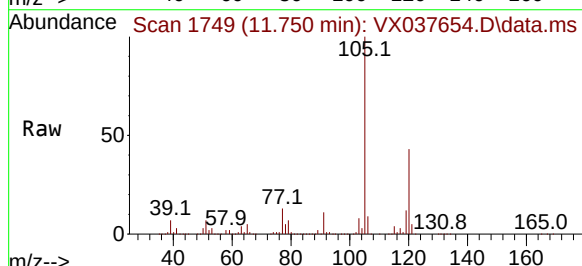
Acq: 11 Sep 2023 21:27

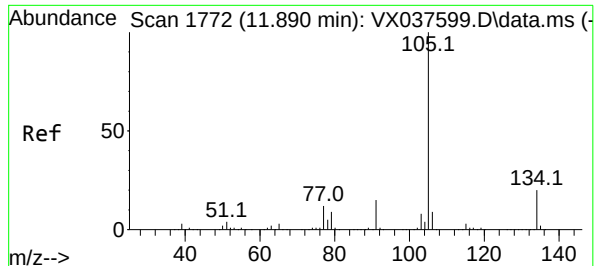
Tgt Ion:105 Resp: 500421

Ion Ratio Lower Upper

105 100

120 42.9 21.2 63.6





#85

sec-Butylbenzene

Concen: 51.466 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion:105 Resp: 615178

Ion Ratio Lower Upper

105 100

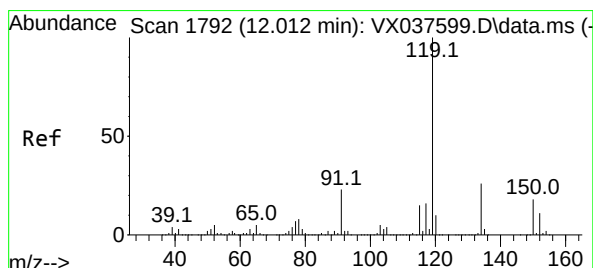
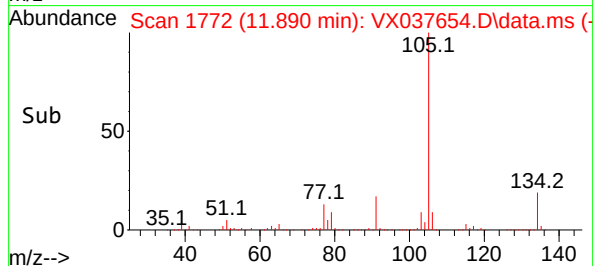
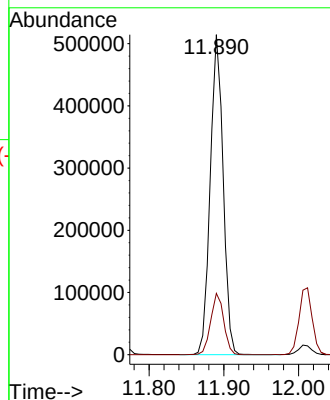
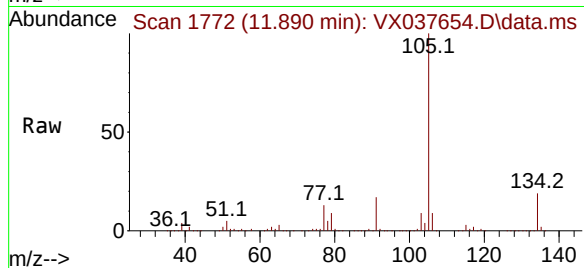
134 19.4 9.8 29.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#86

p-Isopropyltoluene

Concen: 52.140 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

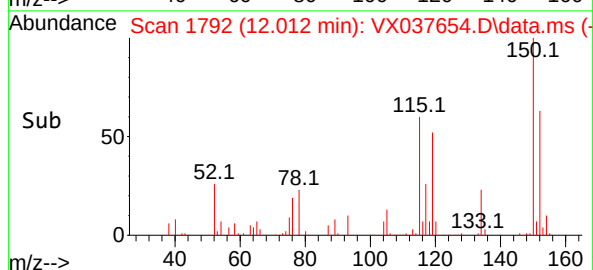
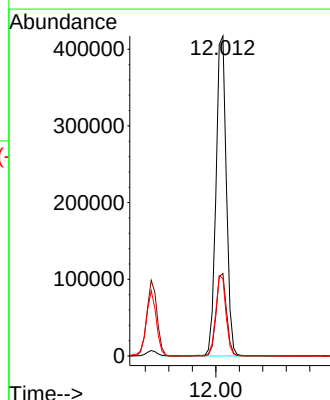
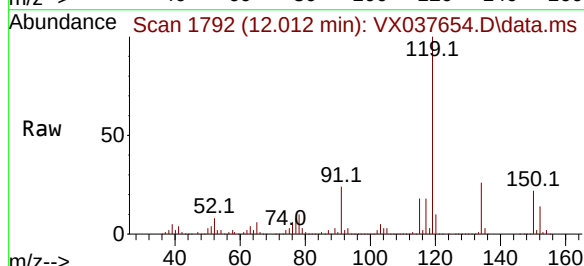
Tgt Ion:119 Resp: 510698

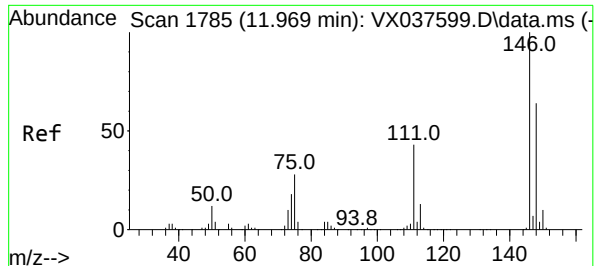
Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.3

91 24.8 13.1 39.3





#87

1,3-Dichlorobenzene

Concen: 49.922 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion:146 Resp: 260500

Ion Ratio Lower Upper

146 100

111 41.5 22.1 66.1

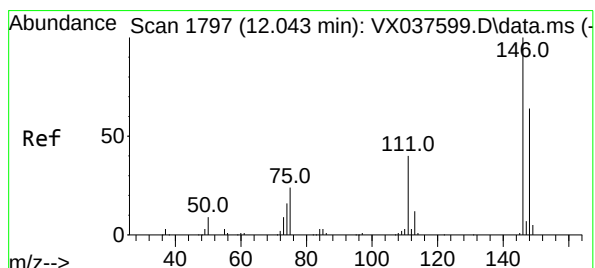
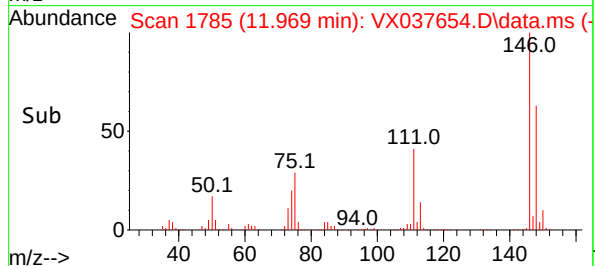
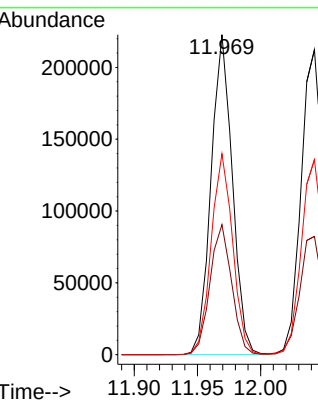
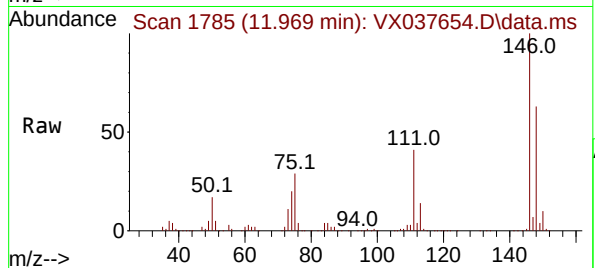
148 63.5 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#88

1,4-Dichlorobenzene

Concen: 49.291 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

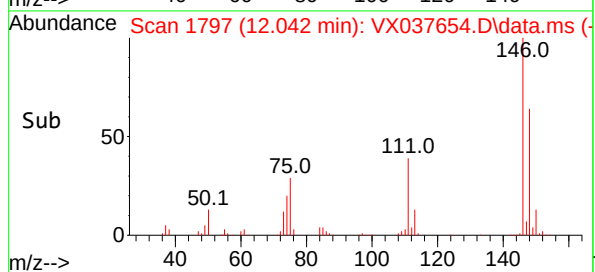
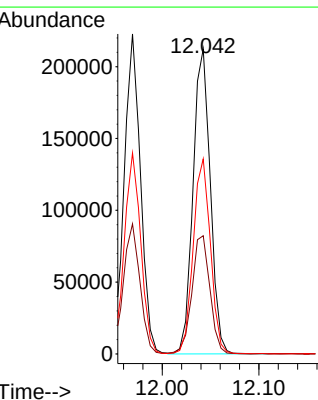
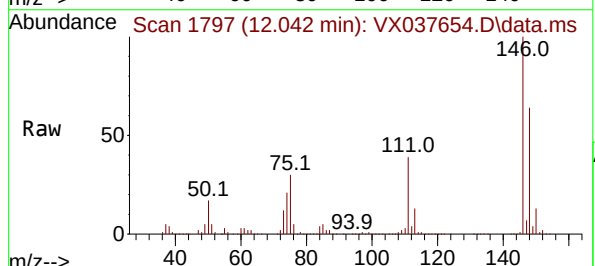
Tgt Ion:146 Resp: 264337

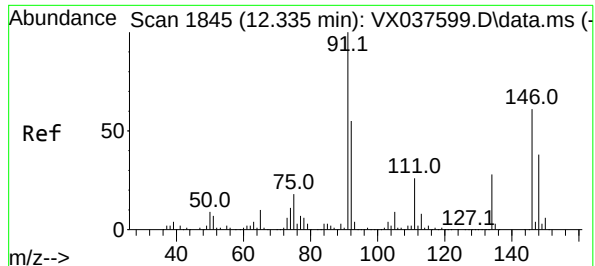
Ion Ratio Lower Upper

146 100

111 40.5 21.3 63.7

148 63.8 31.8 95.4





#89

n-Butylbenzene

Concen: 51.152 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

Tgt Ion: 91 Resp: 45377

Ion Ratio Lower Upper

91 100

92 51.8 27.4 82.0

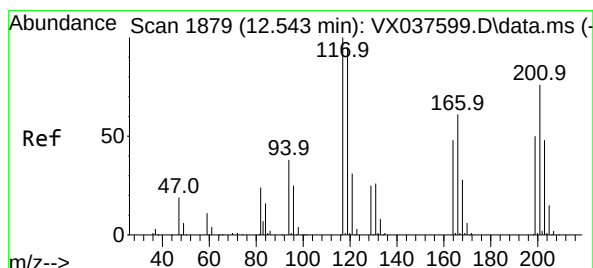
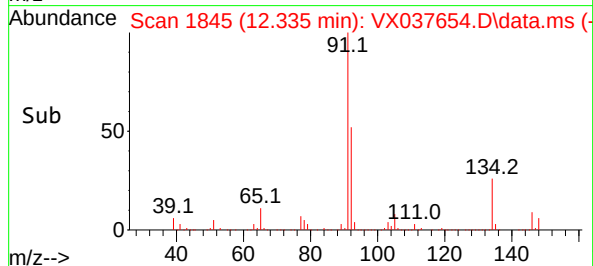
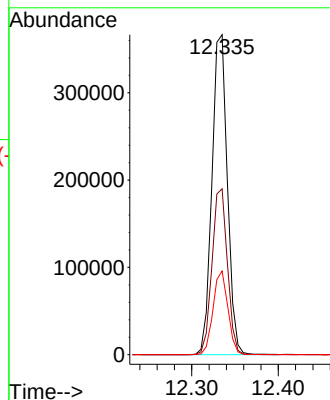
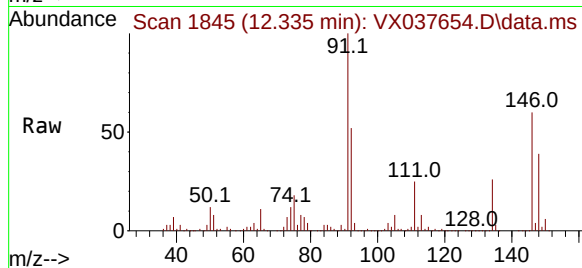
134 25.2 12.6 37.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#90

Hexachloroethane

Concen: 52.735 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.006 min

Lab File: VX037654.D

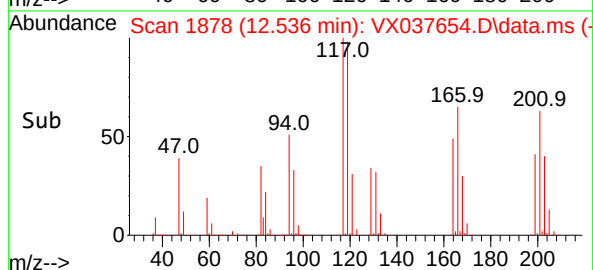
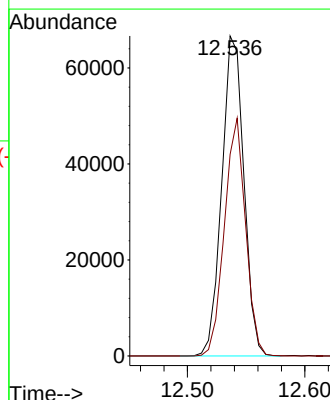
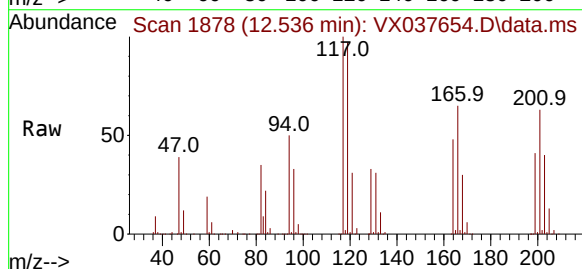
Acq: 11 Sep 2023 21:27

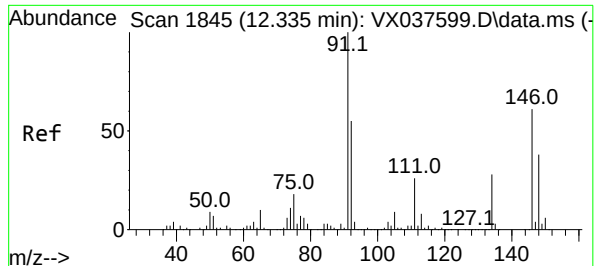
Tgt Ion:117 Resp: 87162

Ion Ratio Lower Upper

117 100

201 71.2 32.9 98.6





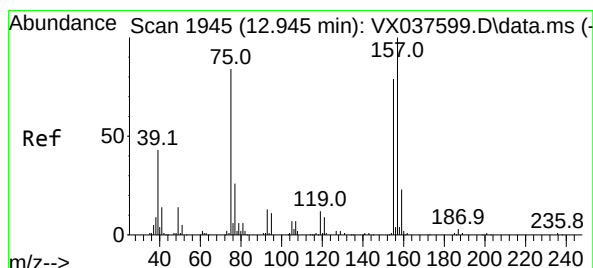
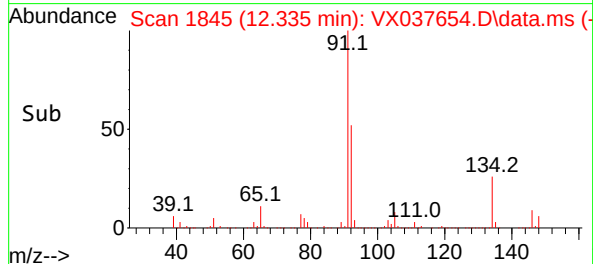
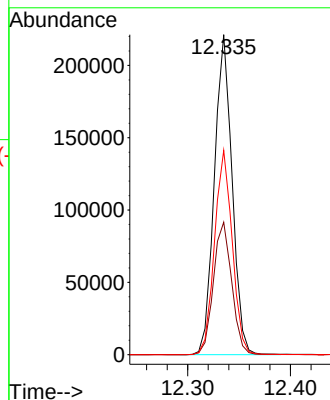
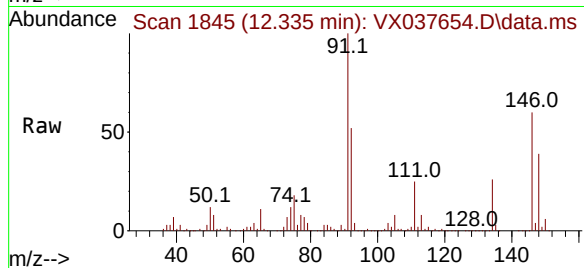
#91
1,2-Dichlorobenzene
Concen: 50.859 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX037654.D
Acq: 11 Sep 2023 21:27

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091123

Tgt Ion:146 Resp: 265518
Ion Ratio Lower Upper
146 100
111 42.8 22.4 67.0
148 63.9 31.6 95.0

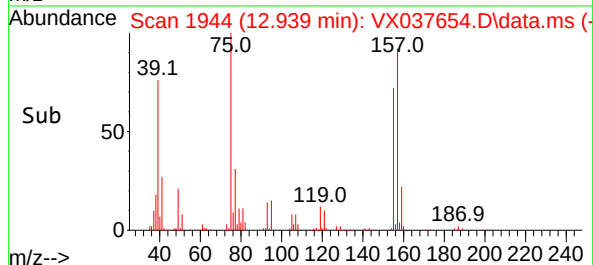
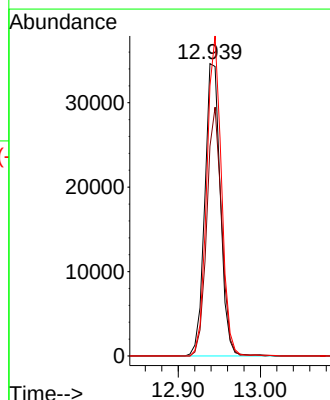
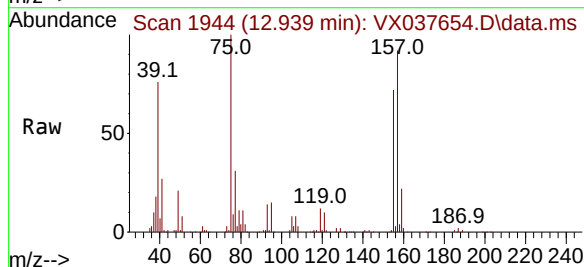
Manual Integrations
APPROVED

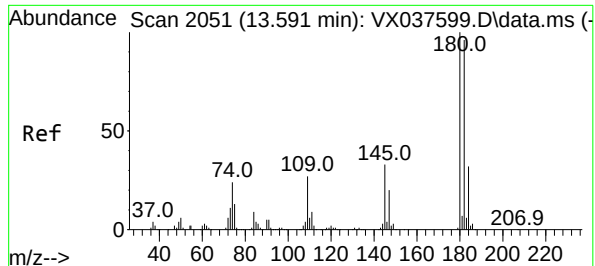
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 51.651 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX037654.D
Acq: 11 Sep 2023 21:27

Tgt Ion: 75 Resp: 45513
Ion Ratio Lower Upper
75 100
155 80.9 36.1 108.5
157 103.0 44.9 134.7





#93

1,2,4-Trichlorobenzene

Concen: 49.453 ug/l

RT: 13.585 min Scan# 2051

Delta R.T. -0.006 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

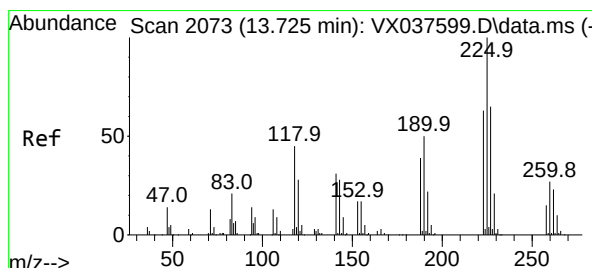
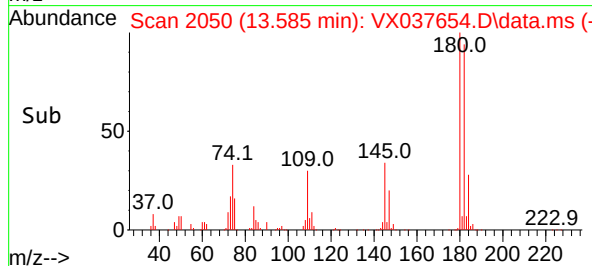
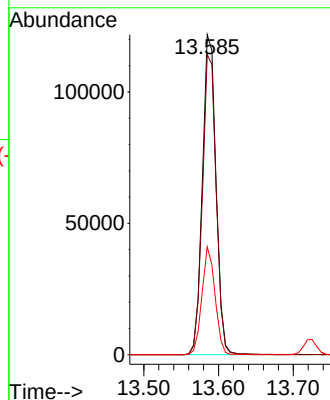
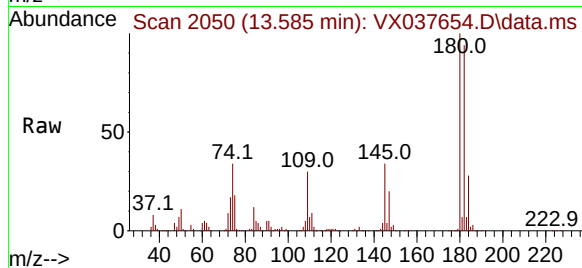
Tgt Ion:180	Resp:	153750
Ion Ratio	Lower	Upper
180	100	
182	94.9	48.3 144.8
145	32.4	18.0 54.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#94

Hexachlorobutadiene

Concen: 48.784 ug/l

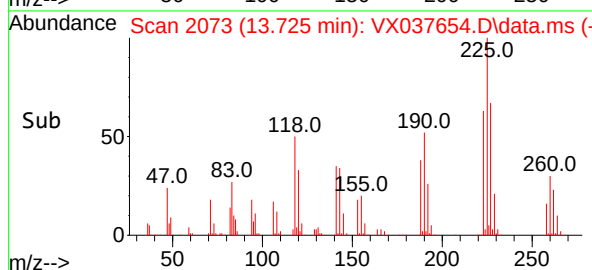
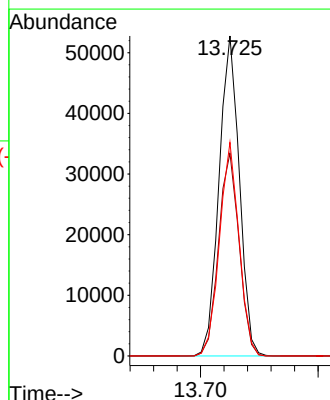
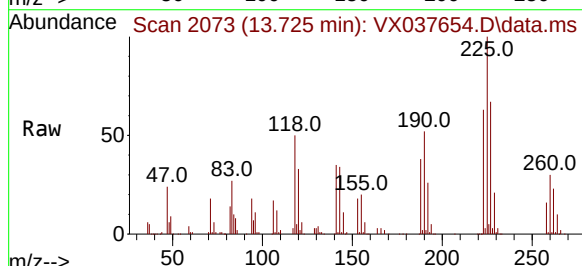
RT: 13.725 min Scan# 2073

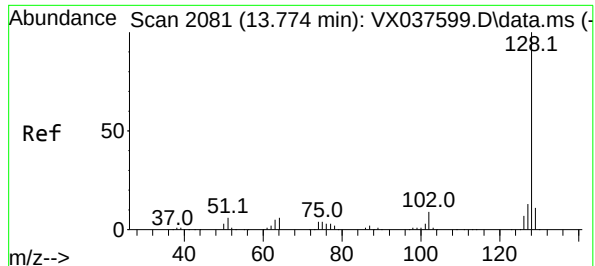
Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Tgt Ion:225	Resp:	63359
Ion Ratio	Lower	Upper
225	100	
223	63.9	31.1 93.2
227	64.3	32.5 97.5





#95

Naphthalene

Concen: 51.194 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Instrument :

MSVOA_X

ClientSampleId :

ICVX091123

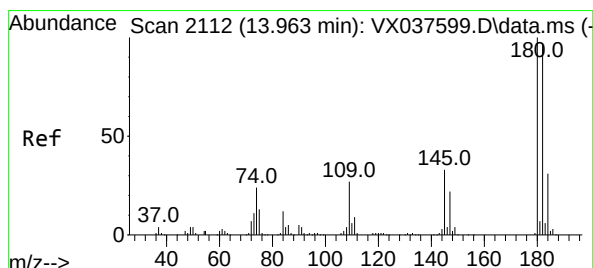
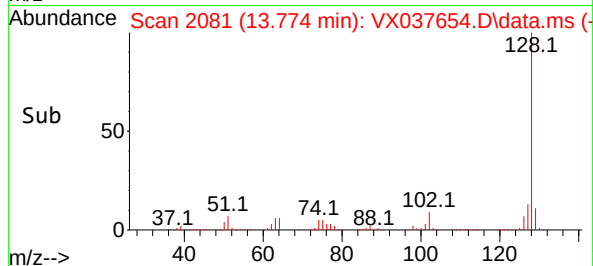
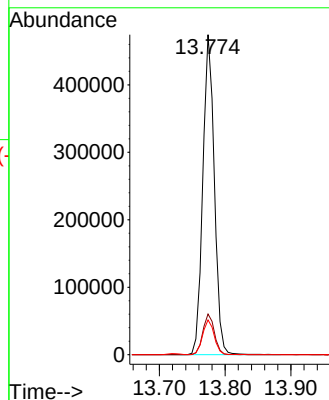
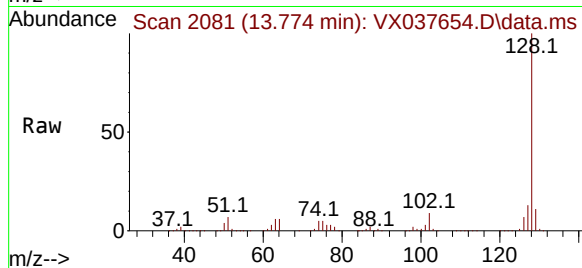
Tgt Ion:128	Resp: 57657
Ion Ratio	Lower Upper
128 100	
127 12.8	10.3 15.5
129 11.0	8.8 13.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#96

1,2,3-Trichlorobenzene

Concen: 49.829 ug/l

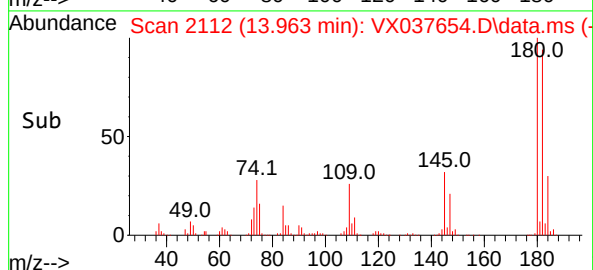
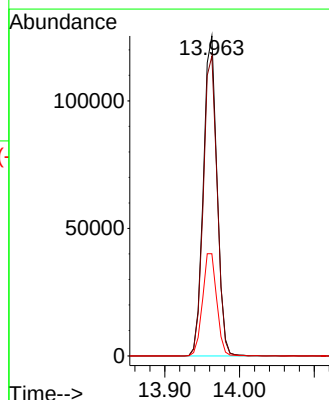
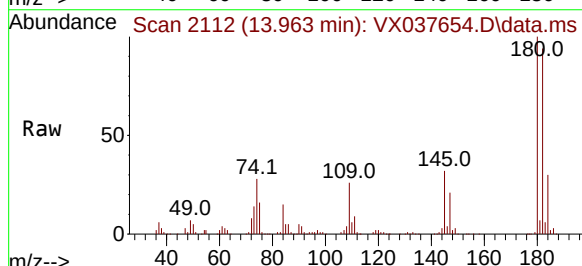
RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX037654.D

Acq: 11 Sep 2023 21:27

Tgt Ion:180	Resp: 158959
Ion Ratio	Lower Upper
180 100	
182 95.2	46.9 140.6
145 33.2	17.8 53.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\X091123\
Data File : VX037654.D
Acq On : 11 Sep 2023 21:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091123

Quant Time: Sep 12 10:24:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
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	103	0.00
2 T	Dichlorodifluoromethane	0.548	0.542	1.1	102	0.00
3 P	Chloromethane	0.625	0.618	1.1	105	0.00
4 C	Vinyl Chloride	0.703	0.670	4.7#	101	0.00
5 T	Bromomethane	0.588	0.576	2.0	100	0.00
6 T	Chloroethane	0.483	0.512	-6.0	118	0.00
7 T	Trichlorofluoromethane	1.162	1.159	0.3	99	0.00
8 T	Diethyl Ether	0.461	0.460	0.2	101	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.521	0.506	2.9	102	0.00
10 T	Methyl Iodide	0.615	0.650	-5.7	106	0.00
11 T	Tert butyl alcohol	0.184	0.174	5.4	104	0.00
12 CM	1,1-Dichloroethene	0.514	0.510	0.8#	106	0.00
13 T	Acrolein	0.132	0.127	3.8	98	0.00
14 T	Allyl chloride	0.901	0.906	-0.6	105	0.00
15 T	Acrylonitrile	0.371	0.380	-2.4	105	0.00
16 T	Acetone	0.327	0.319	2.4	104	0.00
17 T	Carbon Disulfide	1.308	1.268	3.1	105	0.00
18 T	Methyl Acetate	1.381	1.424	-3.1	107	0.00
19 T	Methyl tert-butyl Ether	2.031	2.086	-2.7	106	0.00
20 T	Methylene Chloride	0.738	0.668	9.5	107	0.00
21 T	trans-1,2-Dichloroethene	0.592	0.595	-0.5	105	0.00
22 T	Diisopropyl ether	1.963	2.043	-4.1	107	0.00
23 T	Vinyl Acetate	1.432	1.531	-6.9	105	0.00
24 P	1,1-Dichloroethane	1.144	1.175	-2.7	107	0.00
25 T	2-Butanone	0.533	0.535	-0.4	104	0.00
26 T	2,2-Dichloropropane	0.796	0.735	7.7	92	0.00
27 T	cis-1,2-Dichloroethene	0.722	0.737	-2.1	107	0.00
28 T	Bromochloromethane	0.578	0.590	-2.1	105	0.00
29 T	Tetrahydrofuran	0.340	0.348	-2.4	106	0.00
30 C	Chloroform	1.236	1.274	-3.1#	106	0.00
31 T	Cyclohexane	0.932	0.937	-0.5	102	0.00
32 T	1,1,1-Trichloroethane	1.028	1.084	-5.4	106	0.00
33 S	1,2-Dichloroethane-d4	0.809	0.828	-2.3	107	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35 S	Dibromofluoromethane	0.354	0.363	-2.5	108	0.00
36 T	1,1-Dichloropropene	0.482	0.472	2.1	103	0.00
37 T	Ethyl Acetate	0.552	0.583	-5.6	105	0.00
38 T	Carbon Tetrachloride	0.493	0.495	-0.4	104	0.00
39 T	Methylcyclohexane	0.570	0.573	-0.5	104	0.00
40 TM	Benzene	1.462	1.513	-3.5	107	0.00
41 T	Methacrylonitrile	0.291	0.299	-2.7	102	0.00
42 TM	1,2-Dichloroethane	0.571	0.574	-0.5	104	0.00
43 T	Isopropyl Acetate	0.880	0.927	-5.3	106	0.00
44 TM	Trichloroethene	0.365	0.367	-0.5	107	0.00
45 C	1,2-Dichloropropane	0.386	0.394	-2.1#	105	0.00
46 T	Dibromomethane	0.281	0.291	-3.6	108	0.00
47 T	Bromodichloromethane	0.507	0.541	-6.7	107	0.00
48 T	Methyl methacrylate	0.425	0.454	-6.8	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\X091123\
Data File : VX037654.D
Acq On : 11 Sep 2023 21:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091123

Quant Time: Sep 12 10:24:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
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	0.011	0.011	0.0	106	0.00
50 S	Toluene-d8	1.337	1.385	-3.6	108	0.00
51 T	4-Methyl-2-Pentanone	0.578	0.614	-6.2	104	0.00
52 CM	Toluene	0.940	0.976	-3.8#	107	0.00
53 T	t-1,3-Dichloropropene	0.514	0.559	-8.8	105	0.00
54 T	cis-1,3-Dichloropropene	0.564	0.606	-7.4	106	0.00
55 T	1,1,2-Trichloroethane	0.396	0.423	-6.8	107	0.00
56 T	Ethyl methacrylate	0.605	0.660	-9.1	108	0.00
57 T	1,3-Dichloropropane	0.664	0.689	-3.8	107	0.00
58 T	2-Chloroethyl Vinyl ether	0.294	0.321	-9.2	115	0.00
59 T	2-Hexanone	0.446	0.485	-8.7	104	0.00
60 T	Dibromochloromethane	0.389	0.425	-9.3	107	0.00
61 T	1,2-Dibromoethane	0.425	0.452	-6.4	107	0.00
62 S	4-Bromofluorobenzene	0.482	0.511	-6.0	106	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64 T	Tetrachloroethene	0.324	0.326	-0.6	111	0.00
65 PM	Chlorobenzene	1.066	1.076	-0.9	106	0.00
66 T	1,1,1,2-Tetrachloroethane	0.367	0.400	-9.0	110	0.00
67 C	Ethyl Benzene	1.897	1.967	-3.7#	107	0.00
68 T	m/p-Xylenes	0.723	0.751	-3.9	106	0.00
69 T	o-Xylene	0.721	0.753	-4.4	107	0.00
70 T	Styrene	1.176	1.270	-8.0	107	0.00
71 P	Bromoform	0.287	0.319	-11.1	106	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73 T	Isopropylbenzene	3.743	3.716	0.7	106	0.00
74 T	N-amyl acetate	1.632	1.691	-3.6	104	0.00
75 P	1,1,2,2-Tetrachloroethane	1.401	1.389	0.9	104	0.00
76 T	1,2,3-Trichloropropane	1.099	1.089	0.9	104	0.00
77 T	Bromobenzene	0.887	0.899	-1.4	107	0.00
78 T	n-propylbenzene	4.307	4.399	-2.1	106	0.00
79 T	2-Chlorotoluene	2.651	2.649	0.1	106	0.00
80 T	1,3,5-Trimethylbenzene	3.146	3.273	-4.0	107	0.00
81 T	trans-1,4-Dichloro-2-butene	0.362	0.361	0.3	98	0.00
82 T	4-Chlorotoluene	3.028	3.057	-1.0	107	0.00
83 T	tert-Butylbenzene	3.161	3.225	-2.0	105	0.00
84 T	1,2,4-Trimethylbenzene	3.172	3.267	-3.0	106	0.00
85 T	sec-Butylbenzene	3.902	4.016	-2.9	105	0.00
86 T	p-Isopropyltoluene	3.197	3.334	-4.3	105	0.00
87 T	1,3-Dichlorobenzene	1.703	1.701	0.1	105	0.00
88 T	1,4-Dichlorobenzene	1.751	1.726	1.4	106	0.00
89 T	n-Butylbenzene	2.896	2.963	-2.3	103	0.00
90 T	Hexachloroethane	0.540	0.569	-5.4	104	0.00
91 T	1,2-Dichlorobenzene	1.704	1.733	-1.7	105	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.288	0.297	-3.1	103	0.00
93 T	1,2,4-Trichlorobenzene	1.015	1.004	1.1	104	0.00
94 T	Hexachlorobutadiene	0.424	0.414	2.4	100	0.00
95 T	Naphthalene	3.676	3.764	-2.4	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091123\
Data File : VX037654.D
Acq On : 11 Sep 2023 21:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091123

Quant Time: Sep 12 10:24:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T 1,2,3-Trichlorobenzene	1.041	1.038	0.3	107	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX091123\
Data File : VX037654.D
Acq On : 11 Sep 2023 21:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091123

Quant Time: Sep 12 10:24:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
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	103	0.00
2 T	Dichlorodifluoromethane	50.000	49.458	1.1	102	0.00
3 P	Chloromethane	50.000	49.474	1.1	105	0.00
4 C	Vinyl Chloride	50.000	47.683	4.6#	101	0.00
5 T	Bromomethane	50.000	49.040	1.9	100	0.00
6 T	Chloroethane	50.000	52.968	-5.9	118	0.00
7 T	Trichlorofluoromethane	50.000	49.843	0.3	99	0.00
8 T	Diethyl Ether	50.000	49.844	0.3	101	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.551	2.9	102	0.00
10 T	Methyl Iodide	50.000	52.833	-5.7	106	0.00
11 T	Tert butyl alcohol	250.000	259.662	-3.9	104	0.00
12 CM	1,1-Dichloroethene	50.000	49.536	0.9#	106	0.00
13 T	Acrolein	250.000	240.644	3.7	98	0.00
14 T	Allyl chloride	50.000	50.270	-0.5	105	0.00
15 T	Acrylonitrile	250.000	256.371	-2.5	105	0.00
16 T	Acetone	250.000	244.113	2.4	104	0.00
17 T	Carbon Disulfide	50.000	48.495	3.0	105	0.00
18 T	Methyl Acetate	50.000	51.547	-3.1	107	0.00
19 T	Methyl tert-butyl Ether	50.000	51.353	-2.7	106	0.00
20 T	Methylene Chloride	50.000	52.855	-5.7	107	0.00
21 T	trans-1,2-Dichloroethene	50.000	50.297	-0.6	105	0.00
22 T	Diisopropyl ether	50.000	52.024	-4.0	107	0.00
23 T	Vinyl Acetate	250.000	267.293	-6.9	105	0.00
24 P	1,1-Dichloroethane	50.000	51.344	-2.7	107	0.00
25 T	2-Butanone	250.000	250.992	-0.4	104	0.00
26 T	2,2-Dichloropropane	50.000	46.199	7.6	92	0.00
27 T	cis-1,2-Dichloroethene	50.000	51.046	-2.1	107	0.00
28 T	Bromochloromethane	50.000	51.025	-2.0	105	0.00
29 T	Tetrahydrofuran	250.000	256.263	-2.5	106	0.00
30 C	Chloroform	50.000	51.568	-3.1#	106	0.00
31 T	Cyclohexane	50.000	50.317	-0.6	102	0.00
32 T	1,1,1-Trichloroethane	50.000	52.711	-5.4	106	0.00
33 S	1,2-Dichloroethane-d4	50.000	51.176	-2.4	107	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35 S	Dibromofluoromethane	50.000	51.279	-2.6	108	0.00
36 T	1,1-Dichloropropene	50.000	48.944	2.1	103	0.00
37 T	Ethyl Acetate	50.000	52.879	-5.8	105	0.00
38 T	Carbon Tetrachloride	50.000	50.247	-0.5	104	0.00
39 T	Methylcyclohexane	50.000	50.228	-0.5	104	0.00
40 TM	Benzene	50.000	51.753	-3.5	107	0.00
41 T	Methacrylonitrile	50.000	51.388	-2.8	102	0.00
42 TM	1,2-Dichloroethane	50.000	50.222	-0.4	104	0.00
43 T	Isopropyl Acetate	50.000	52.645	-5.3	106	0.00
44 TM	Trichloroethene	50.000	50.182	-0.4	107	0.00
45 C	1,2-Dichloropropane	50.000	51.115	-2.2#	105	0.00
46 T	Dibromomethane	50.000	51.786	-3.6	108	0.00
47 T	Bromodichloromethane	50.000	53.409	-6.8	107	0.00
48 T	Methyl methacrylate	50.000	53.384	-6.8	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX091123\
Data File : VX037654.D
Acq On : 11 Sep 2023 21:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091123

Quant Time: Sep 12 10:24:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
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	1060.295	-6.0	106	0.00
50 S	Toluene-d8	50.000	51.822	-3.6	108	0.00
51 T	4-Methyl-2-Pentanone	250.000	265.637	-6.3	104	0.00
52 CM	Toluene	50.000	51.912	-3.8#	107	0.00
53 T	t-1,3-Dichloropropene	50.000	54.427	-8.9	105	0.00
54 T	cis-1,3-Dichloropropene	50.000	53.747	-7.5	106	0.00
55 T	1,1,2-Trichloroethane	50.000	53.430	-6.9	107	0.00
56 T	Ethyl methacrylate	50.000	54.501	-9.0	108	0.00
57 T	1,3-Dichloropropane	50.000	51.883	-3.8	107	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	273.508	-9.4	115	0.00
59 T	2-Hexanone	250.000	271.571	-8.6	104	0.00
60 T	Dibromochloromethane	50.000	54.718	-9.4	107	0.00
61 T	1,2-Dibromoethane	50.000	53.149	-6.3	107	0.00
62 S	4-Bromofluorobenzene	50.000	52.977	-6.0	106	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64 T	Tetrachloroethene	50.000	50.317	-0.6	111	0.00
65 PM	Chlorobenzene	50.000	50.494	-1.0	106	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	54.513	-9.0	110	0.00
67 C	Ethyl Benzene	50.000	51.864	-3.7#	107	0.00
68 T	m/p-Xylenes	100.000	103.897	-3.9	106	0.00
69 T	o-Xylene	50.000	52.194	-4.4	107	0.00
70 T	Styrene	50.000	53.998	-8.0	107	0.00
71 P	Bromoform	50.000	55.472	-10.9	106	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73 T	Isopropylbenzene	50.000	49.635	0.7	106	0.00
74 T	N-amyl acetate	50.000	51.798	-3.6	104	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.576	0.8	104	0.00
76 T	1,2,3-Trichloropropane	50.000	49.526	0.9	104	0.00
77 T	Bromobenzene	50.000	50.695	-1.4	107	0.00
78 T	n-propylbenzene	50.000	51.068	-2.1	106	0.00
79 T	2-Chlorotoluene	50.000	49.955	0.1	106	0.00
80 T	1,3,5-Trimethylbenzene	50.000	52.010	-4.0	107	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.909	0.2	98	0.00
82 T	4-Chlorotoluene	50.000	50.472	-0.9	107	0.00
83 T	tert-Butylbenzene	50.000	51.020	-2.0	105	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.501	-3.0	106	0.00
85 T	sec-Butylbenzene	50.000	51.466	-2.9	105	0.00
86 T	p-Isopropyltoluene	50.000	52.140	-4.3	105	0.00
87 T	1,3-Dichlorobenzene	50.000	49.922	0.2	105	0.00
88 T	1,4-Dichlorobenzene	50.000	49.291	1.4	106	0.00
89 T	n-Butylbenzene	50.000	51.152	-2.3	103	0.00
90 T	Hexachloroethane	50.000	52.735	-5.5	104	0.00
91 T	1,2-Dichlorobenzene	50.000	50.859	-1.7	105	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	51.651	-3.3	103	0.00
93 T	1,2,4-Trichlorobenzene	50.000	49.453	1.1	104	0.00
94 T	Hexachlorobutadiene	50.000	48.784	2.4	100	0.00
95 T	Naphthalene	50.000	51.194	-2.4	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091123\
Data File : VX037654.D
Acq On : 11 Sep 2023 21:27
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091123

Quant Time: Sep 12 10:24:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
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	49.829	0.3	107	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: 04373 SAS No.: 04373 SDG No.: 04373
 Instrument ID: MSVOA_X Calibration Date/Time: 09/12/2023 09:54
 Lab File ID: VX037656.D Init. Calib. Date(s): 09/11/2023 09/11/2023
 Heated Purge: (Y/N) N Init. Calib. Time(s): 17:48 20:38
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.548	0.570		4.01	20
Chloromethane	0.625	0.588	0.1	-5.92	20
Vinyl Chloride	0.703	0.658		-6.4	20
Bromomethane	0.588	0.527		-10.37	20
Chloroethane	0.483	0.408		-15.53	20
Trichlorofluoromethane	1.162	1.161		-0.09	20
1,1,2-Trichlorotrifluoroethane	0.521	0.542		4.03	20
1,1-Dichloroethene	0.514	0.503		-2.14	20
Acetone	0.327	0.372		13.76	20
Carbon Disulfide	1.308	1.297		-0.84	20
Methyl tert-butyl Ether	2.031	1.962		-3.4	20
Methyl Acetate	1.381	1.252		-9.34	20
Methylene Chloride	0.738	0.630		-14.63	20
trans-1,2-Dichloroethene	0.592	0.583		-1.52	20
1,1-Dichloroethane	1.144	1.125	0.1	-1.66	20
Cyclohexane	0.932	0.986		5.79	20
2-Butanone	0.533	0.508		-4.69	20
Carbon Tetrachloride	0.493	0.539		9.33	20
cis-1,2-Dichloroethene	0.722	0.709		-1.8	20
Bromochloromethane	0.578	0.535		-7.44	20
Chloroform	1.236	1.207		-2.35	20
1,1,1-Trichloroethane	1.028	1.062		3.31	20
Methylcyclohexane	0.571	0.667		16.81	20
Benzene	1.462	1.510		3.28	20
1,2-Dichloroethane	0.571	0.566		-0.88	20
Trichloroethene	0.365	0.384		5.2	20
1,2-Dichloropropane	0.386	0.401		3.89	20
Bromodichloromethane	0.507	0.555		9.47	20
4-Methyl-2-Pentanone	0.578	0.585		1.21	20
Toluene	0.940	1.006		7.02	20
t-1,3-Dichloropropene	0.514	0.609		18.48	20
cis-1,3-Dichloropropene	0.564	0.650		15.25	20
1,1,2-Trichloroethane	0.396	0.419		5.81	20
2-Hexanone	0.446	0.469		5.16	20
Dibromochloromethane	0.389	0.443		13.88	20
1,2-Dibromoethane	0.425	0.452		6.35	20
Tetrachloroethene	0.324	0.349		7.72	20
Chlorobenzene	1.066	1.129	0.3	5.91	20
Ethyl Benzene	1.897	2.072		9.23	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, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: O4373 SAS No.: O4373 SDG No.: O4373
 Instrument ID: MSVOA_X Calibration Date/Time: 09/12/2023 09:54
 Lab File ID: VX037656.D Init. Calib. Date(s): 09/11/2023 09/11/2023
 Heated Purge: (Y/N) N Init. Calib. Time(s): 17:48 20:38
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.723	0.809		11.9	20
o-Xylene	0.721	0.796		10.4	20
Styrene	1.176	1.337		13.69	20
Bromoform	0.287	0.341	0.1	18.82	20
Isopropylbenzene	3.743	3.950		5.53	20
1,1,2,2-Tetrachloroethane	1.401	1.345	0.3	-4	20
1,3-Dichlorobenzene	1.703	1.824		7.11	20
1,4-Dichlorobenzene	1.751	1.795		2.51	20
1,2-Dichlorobenzene	1.704	1.780		4.46	20
1,2-Dibromo-3-Chloropropane	0.288	0.291		1.04	20
1,2,4-Trichlorobenzene	1.015	1.122		10.54	20
1,2,3-Trichlorobenzene	1.041	1.108		6.44	20
1,2-Dichloroethane-d4	0.809	0.775		-4.2	20
Dibromofluoromethane	0.354	0.370		4.52	20
Toluene-d8	1.337	1.427		6.73	20
4-Bromofluorobenzene	0.482	0.554		14.94	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_X\Data\VX091223\
 Data File : VX037656.D
 Acq On : 12 Sep 2023 09:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations APPROVED

Reviewed By : John Carlone 09/13/2023
 Supervised By : Mahesh Dadoda 09/13/2023

Quant Time: Sep 12 10:26:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 09:13:03 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	205524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	349175	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	334489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	179746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	159215	47.881	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.760%		
35) Dibromofluoromethane	5.385	113	129332	52.256	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.520%		
50) Toluene-d8	8.647	98	498407	53.395	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	106.800%		
62) 4-Bromofluorobenzene	11.079	95	193428	57.439	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	114.880%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	117139	53.307	ug/l	99
3) Chloromethane	1.301	50	120870	46.898	ug/l	98
4) Vinyl Chloride	1.374	62	135292	47.699	ug/l	100
5) Bromomethane	1.599	94	108304	44.838	ug/l	99
6) Chloroethane	1.678	64	83874	43.490	ug/l	96
7) Trichlorofluoromethane	1.880	101	238614	49.603	ug/l	100
8) Diethyl Ether	2.136	74	86068	44.274	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.325	101	111374	52.344	ug/l	100
10) Methyl Iodide	2.447	142	134186	53.053	ug/l	94
11) Tert butyl alcohol	2.965	59	161265	233.572	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	103295	49.417	ug/l	89
13) Acrolein	2.233	56	134436	247.445	ug/l	99
14) Allyl chloride	2.660	41	184877	49.704	ug/l	96
15) Acrylonitrile	3.062	53	353977	226.353	ug/l	99
16) Acetone	2.380	43	382730	278.429	ug/l	92
17) Carbon Disulfide	2.508	76	266484	49.456	ug/l	98
18) Methyl Acetate	2.703	43	257364	44.672	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	403314	47.797	ug/l	99
20) Methylene Chloride	2.788	84	129526	49.804	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	119888	48.367	ug/l	92
22) Diisopropyl ether	3.757	45	392629	48.363	ug/l	92
23) Vinyl Acetate	3.721	43	1490374	250.215	ug/l	96
24) 1,1-Dichloroethane	3.605	63	231299	48.699	ug/l	99
25) 2-Butanone	4.550	43	522500	236.734	ug/l	95
26) 2,2-Dichloropropane	4.471	77	197956	60.193	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	145784	49.184	ug/l	94
28) Bromochloromethane	4.897	49	110044	45.692	ug/l	91
29) Tetrahydrofuran	5.001	42	319407	224.370	ug/l	92
30) Chloroform	5.093	83	248103	48.180	ug/l	98
31) Cyclohexane	5.470	56	202664	52.928	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	218195	50.446	ug/l	99
36) 1,1-Dichloropropene	5.690	75	179230	52.513	ug/l	98
37) Ethyl Acetate	4.708	43	194506	49.415	ug/l	99
38) Carbon Tetrachloride	5.672	117	188297	55.239	ug/l	98
39) Methylcyclohexane	7.379	83	232836	58.000	ug/l	92
40) Benzene	6.037	78	527384	50.817	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
 Data File : VX037656.D
 Acq On : 12 Sep 2023 09:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023

Quant Time: Sep 12 10:26:36 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M

Quant Title : SW846 8260

QLast Update : Tue Sep 12 09:13:03 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	102894	49.203	ug/l	91
42) 1,2-Dichloroethane	6.086	62	197798	49.185	ug/l	98
43) Isopropyl Acetate	6.336	43	319403	51.332	ug/l	98
44) Trichloroethene	7.123	130	133968	52.891	ug/l	99
45) 1,2-Dichloropropane	7.427	63	139926	51.384	ug/l	98
46) Dibromomethane	7.580	93	100290	50.480	ug/l	97
47) Bromodichloromethane	7.818	83	193800	54.425	ug/l	99
48) Methyl methacrylate	7.690	41	154517	50.846	ug/l	89
49) 1,4-Dioxane	7.659	88	74799	988.196	ug/l #	91
51) 4-Methyl-2-Pentanone	8.574	43	1021539	248.999	ug/l	96
52) Toluene	8.720	92	351328	53.501	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	212633	59.080	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	227084	57.854	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	146319	51.818	ug/l	96
56) Ethyl methacrylate	9.116	69	228206	53.778	ug/l	93
57) 1,3-Dichloropropane	9.305	76	236833	50.384	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	552478	269.749	ug/l	99
59) 2-Hexanone	9.427	43	819209	260.330	ug/l	94
60) Dibromochloromethane	9.519	129	154683	56.438	ug/l	99
61) 1,2-Dibromoethane	9.610	107	157756	52.982	ug/l	99
64) Tetrachloroethene	9.275	164	116643	54.438	ug/l	97
65) Chlorobenzene	10.079	112	377650	52.372	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	139812	55.557	ug/l	98
67) Ethyl Benzene	10.195	91	693003	54.043	ug/l	99
68) m/p-Xylenes	10.299	106	541507	110.826	ug/l	98
69) o-Xylene	10.640	106	266222	54.948	ug/l	99
70) Styrene	10.652	104	447084	55.932	ug/l	96
71) Bromoform	10.799	173	114106	59.315	ug/l #	99
73) Isopropylbenzene	10.963	105	709991	52.488	ug/l	98
74) N-amyl acetate	10.841	43	301803	50.542	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	241687	47.125	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	195778m	48.184	ug/l	
77) Bromobenzene	11.195	156	167598	51.626	ug/l	93
78) n-propylbenzene	11.305	91	850106	54.452	ug/l	100
79) 2-Chlorotoluene	11.366	91	495957	51.656	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	611392	53.505	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	75747	58.267	ug/l	89
82) 4-Chlorotoluene	11.451	91	577294	52.829	ug/l	98
83) tert-Butylbenzene	11.713	119	608565	53.413	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	618001	53.849	ug/l	98
85) sec-Butylbenzene	11.890	105	781658	55.351	ug/l	100
86) p-Isopropyltoluene	12.006	119	657303	56.523	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	327829	53.150	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	322597	51.374	ug/l	98
89) n-Butylbenzene	12.329	91	609301	58.530	ug/l	97
90) Hexachloroethane	12.536	117	114099	58.034	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	320008	51.020	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	52332	48.584	ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	201617	55.342	ug/l	96
94) Hexachlorobutadiene	13.725	225	88425	56.003	ug/l	99
95) Naphthalene	13.774	128	677902	51.405	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	199199	53.024	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037656.D
Acq On : 12 Sep 2023 09:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 12 10:26:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 09:13:03 2023
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
 Data File : VX037656.D
 Acq On : 12 Sep 2023 09:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023

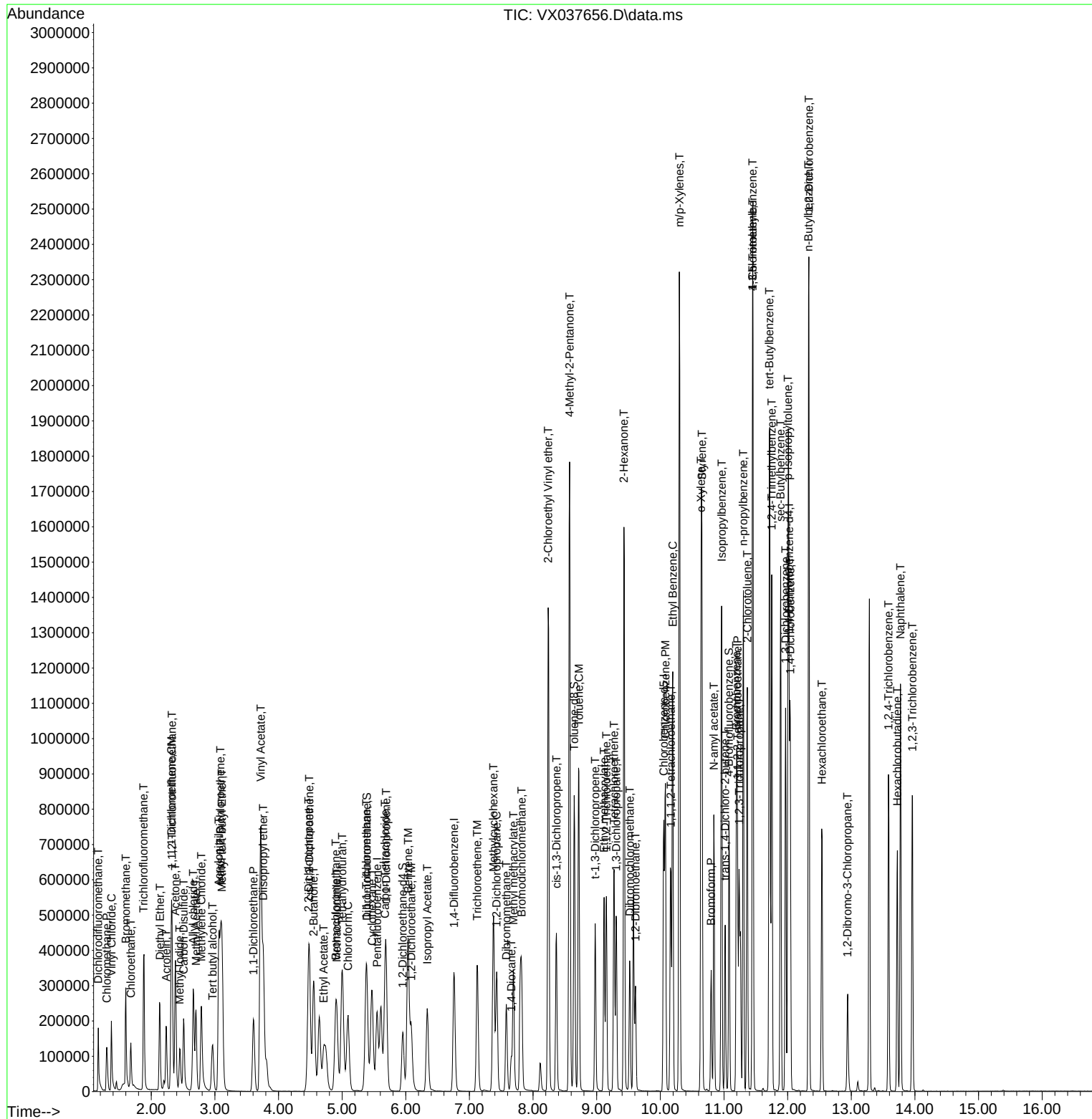
Quant Time: Sep 12 10:26:36 2023

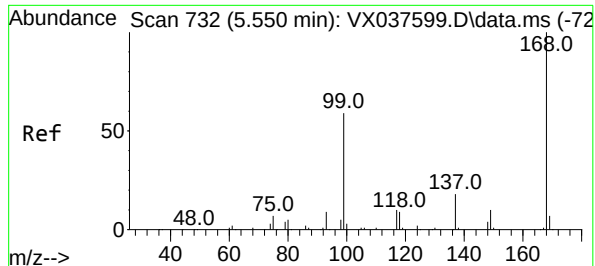
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Quant Title : SW846 8260

QLast Update : Tue Sep 12 09:13:03 2023

Response via : Initial Calibration





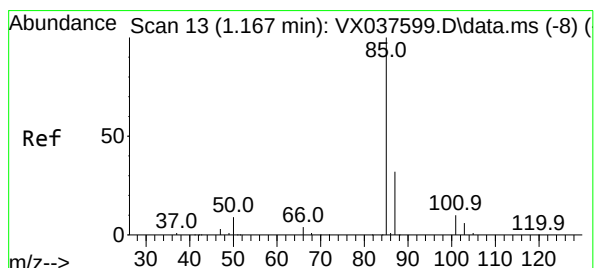
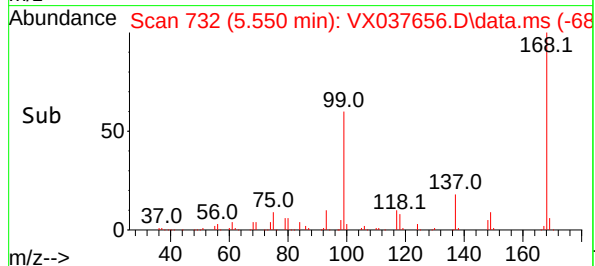
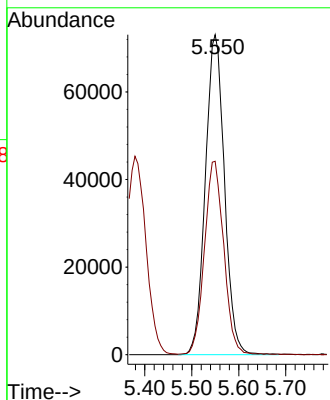
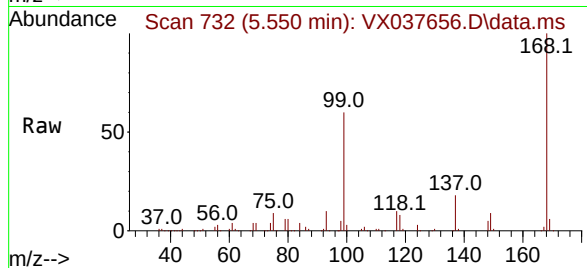
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037656.D
Acq: 12 Sep 2023 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 205524
Ion Ratio Lower Upper
168 100
99 60.3 56.6 85.0

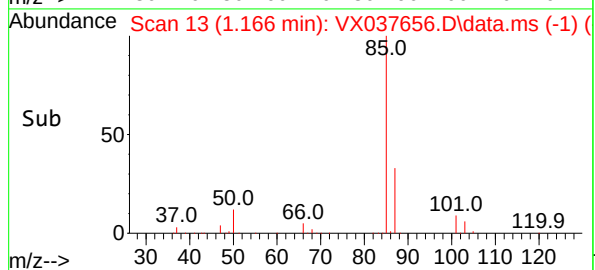
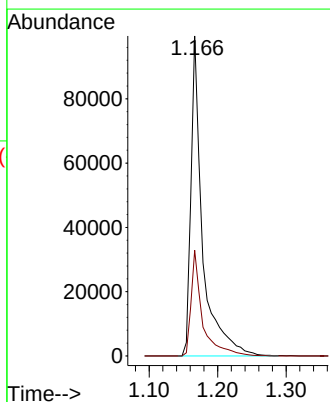
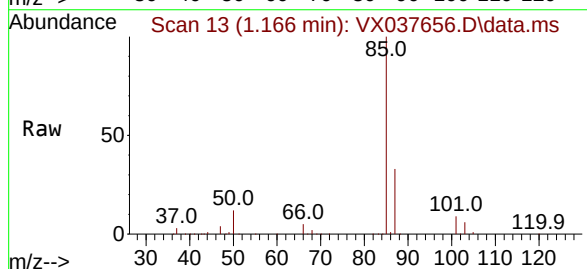
Manual Integrations
APPROVED

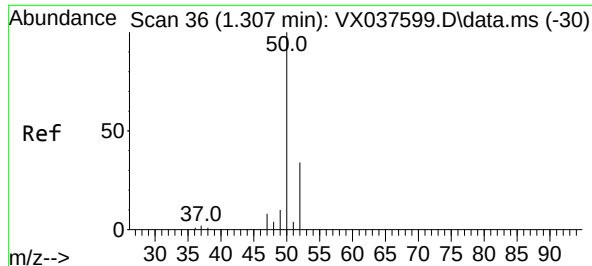
Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023



#2
Dichlorodifluoromethane
Concen: 53.307 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX037656.D
Acq: 12 Sep 2023 09:54

Tgt Ion: 85 Resp: 117139
Ion Ratio Lower Upper
85 100
87 33.1 16.7 50.1





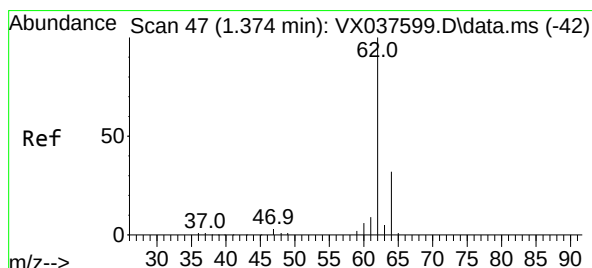
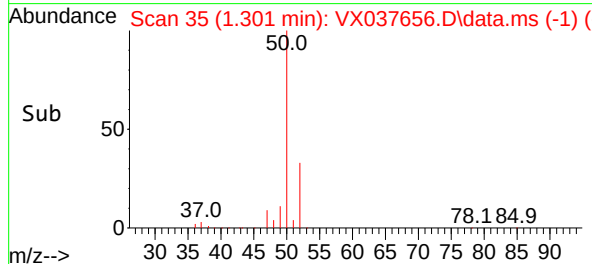
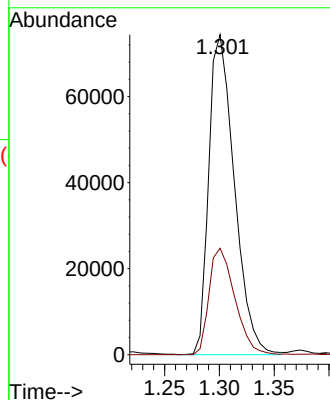
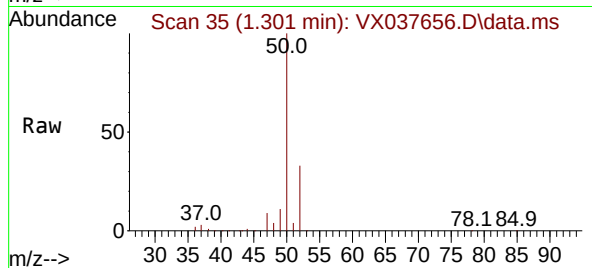
#3
Chloromethane
Concen: 46.898 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.006 min
Lab File: VX037656.D
Acq: 12 Sep 2023 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 120870
Ion Ratio Lower Upper
50 100
52 33.3 25.5 38.3

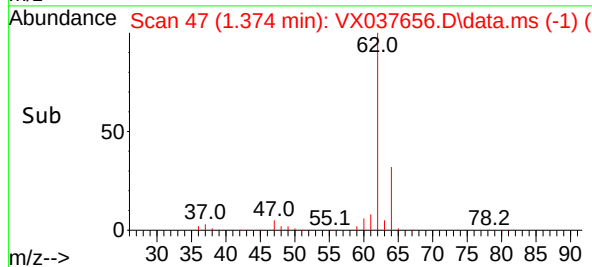
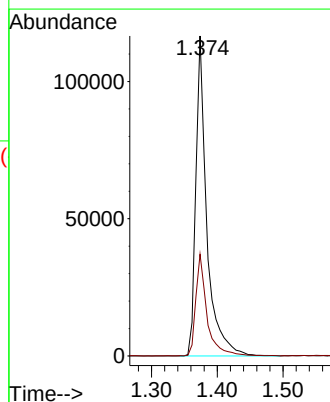
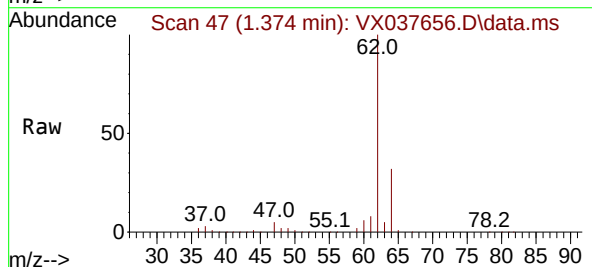
Manual Integrations
APPROVED

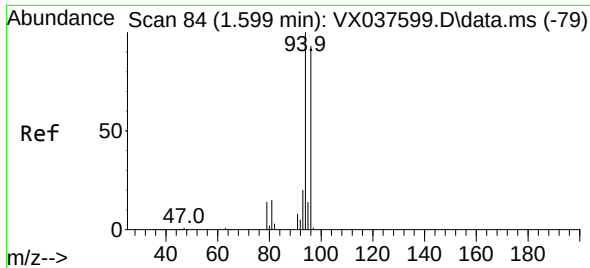
Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023



#4
Vinyl Chloride
Concen: 47.699 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX037656.D
Acq: 12 Sep 2023 09:54

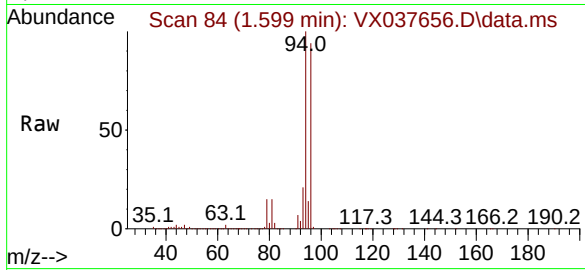
Tgt Ion: 62 Resp: 135292
Ion Ratio Lower Upper
62 100
64 31.7 25.4 38.0





#5
Bromomethane
Concen: 44.838 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX037656.D
Acq: 12 Sep 2023 09:54

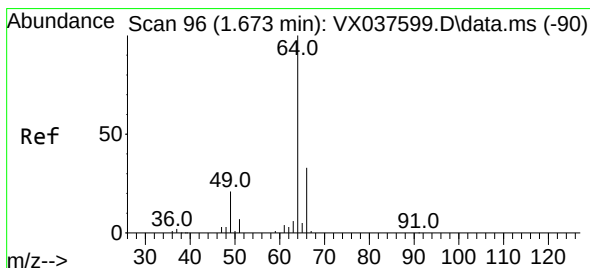
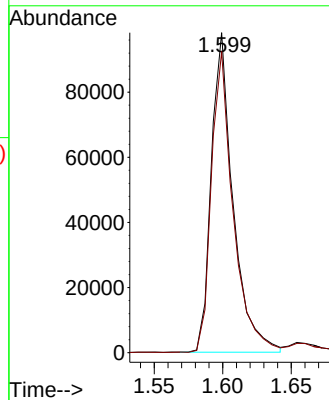
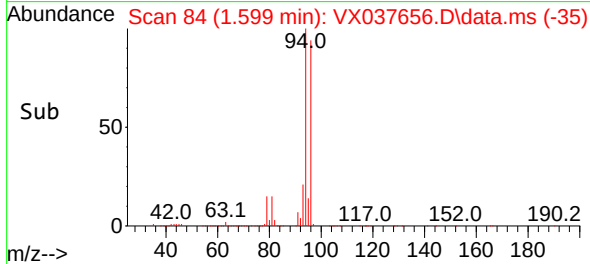
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 94 Resp: 108304
Ion Ratio Lower Upper
94 100
96 94.1 74.6 111.8

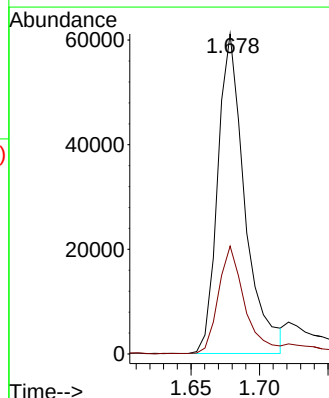
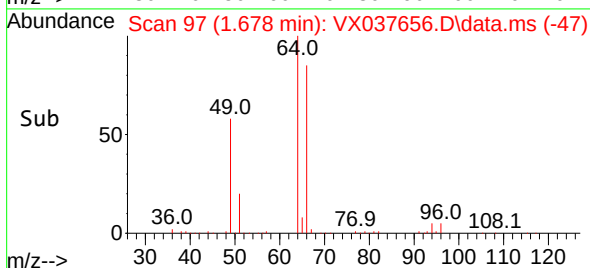
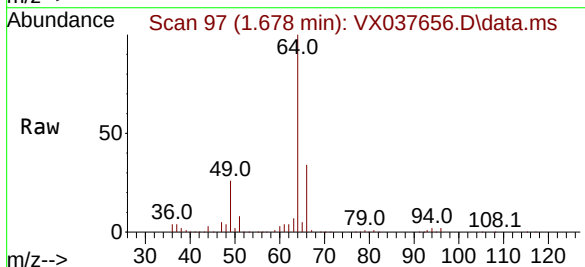
Manual Integrations
APPROVED

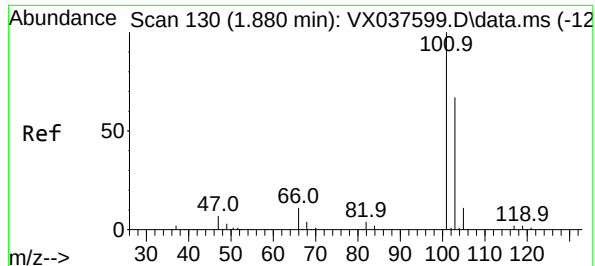
Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023



#6
Chloroethane
Concen: 43.490 ug/l
RT: 1.678 min Scan# 97
Delta R.T. 0.005 min
Lab File: VX037656.D
Acq: 12 Sep 2023 09:54

Tgt Ion: 64 Resp: 83874
Ion Ratio Lower Upper
64 100
66 33.6 25.1 37.7





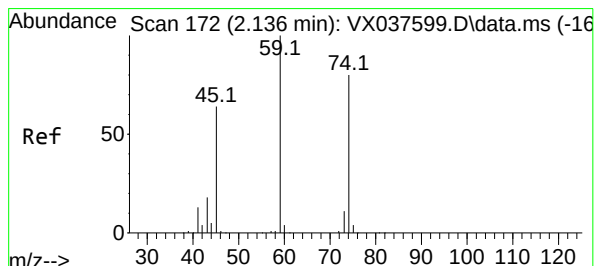
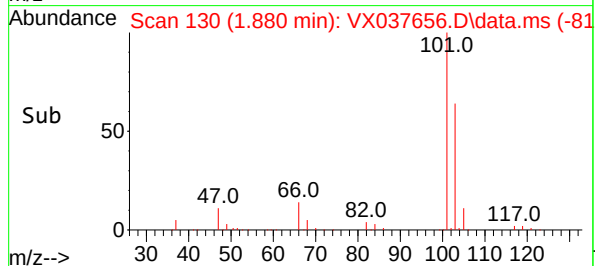
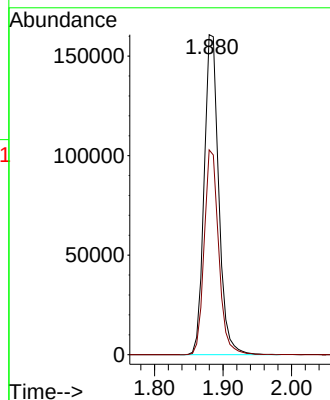
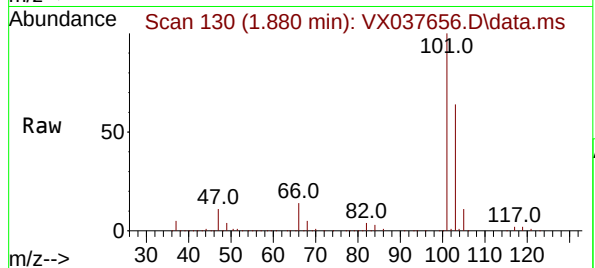
#7
Trichlorofluoromethane
Concen: 49.603 ug/l
RT: 1.880 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037656.D
Acq: 12 Sep 2023 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 238614
Ion Ratio Lower Upper
101 100
103 64.0 51.4 77.2

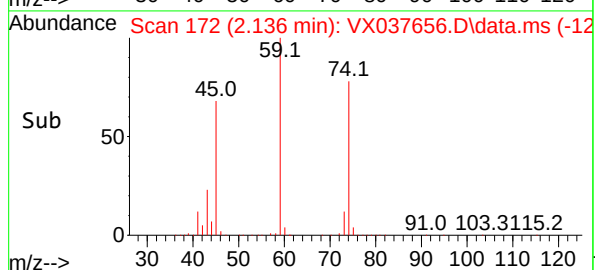
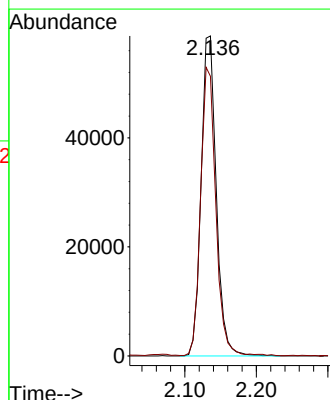
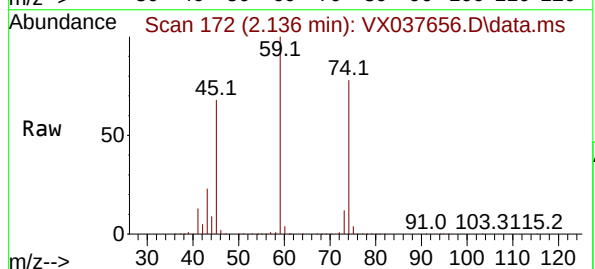
Manual Integrations
APPROVED

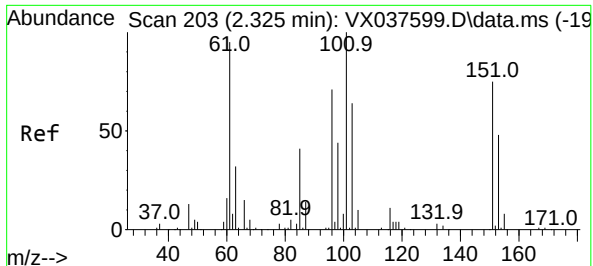
Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023



#8
Diethyl Ether
Concen: 44.274 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX037656.D
Acq: 12 Sep 2023 09:54

Tgt Ion: 74 Resp: 86068
Ion Ratio Lower Upper
74 100
45 90.6 53.3 159.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.344 ug/l

RT: 2.325 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:101 Resp: 111374

Ion Ratio Lower Upper

101 100

85 46.9 37.0 55.6

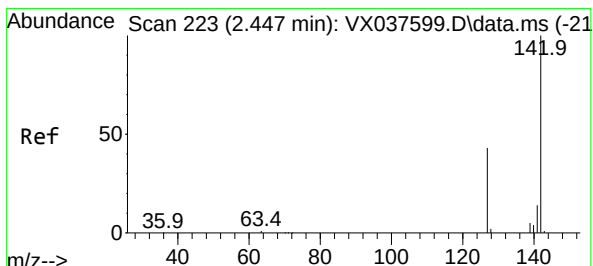
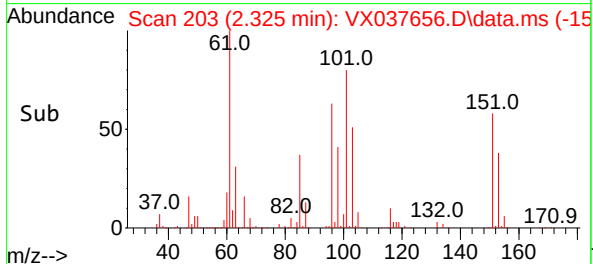
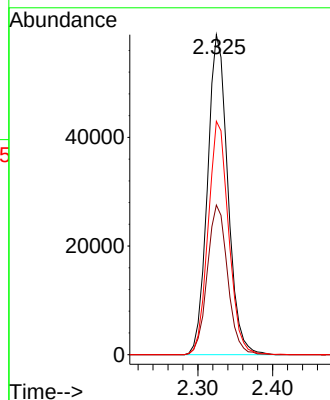
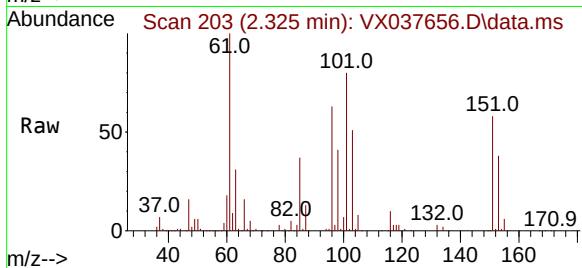
151 73.4 58.6 87.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#10

Methyl Iodide

Concen: 53.053 ug/l

RT: 2.447 min Scan# 223

Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

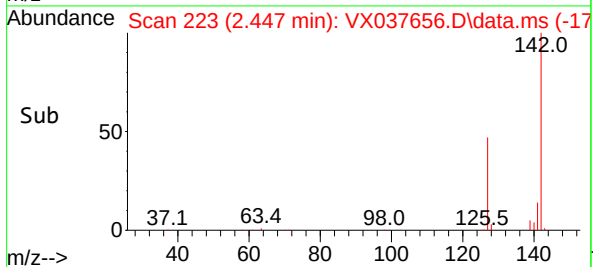
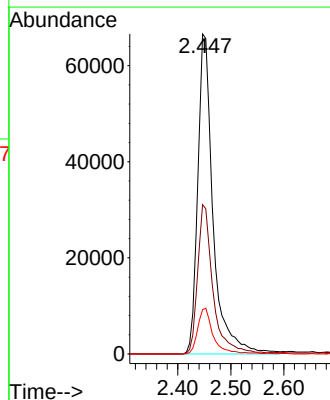
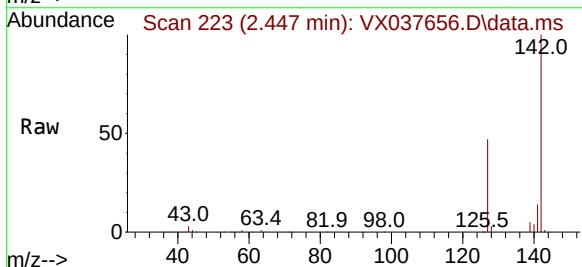
Tgt Ion:142 Resp: 134186

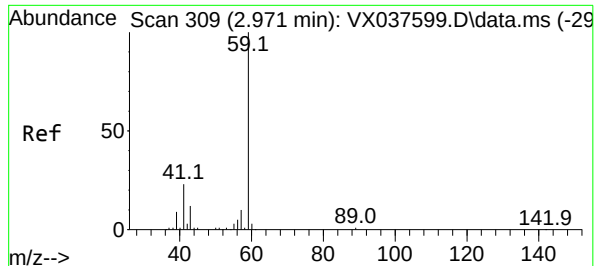
Ion Ratio Lower Upper

142 100

127 46.6 41.6 62.4

141 14.4 11.6 17.4





#11

Tert butyl alcohol

Concen: 233.572 ug/l

RT: 2.965 min Scan# 309

Delta R.T. -0.006 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 16126

Ion Ratio Lower Upper

59 100

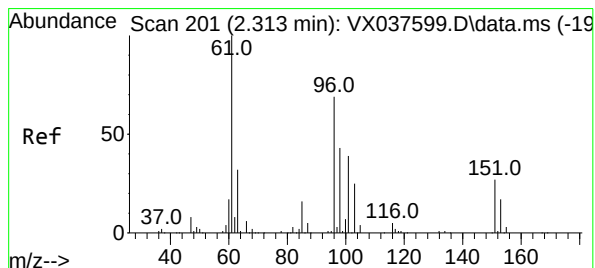
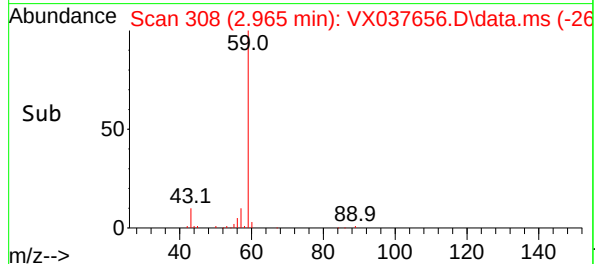
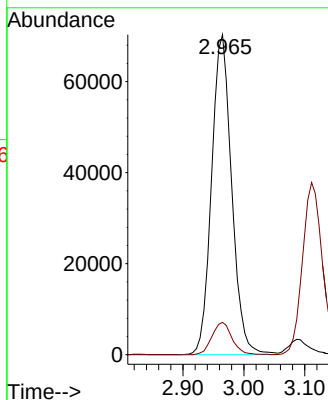
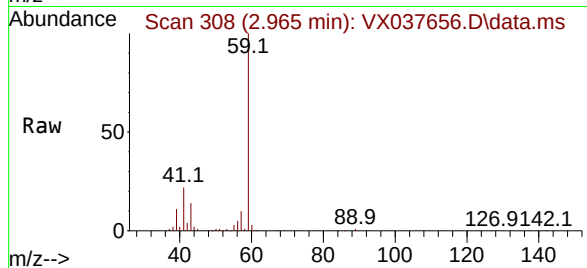
57 10.1 6.0 9.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#12

1,1-Dichloroethene

Concen: 49.417 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

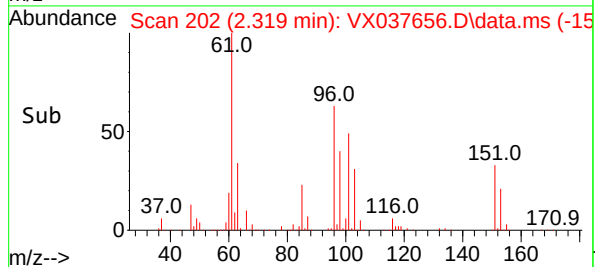
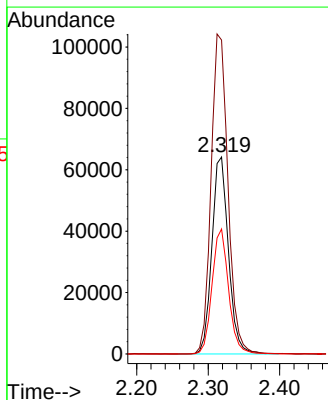
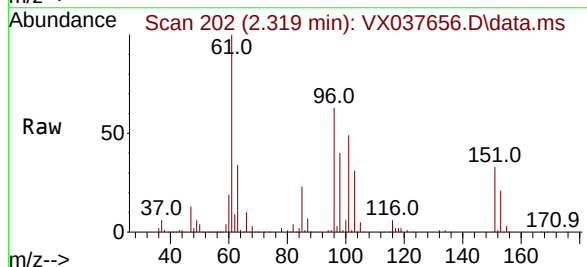
Tgt Ion: 96 Resp: 103295

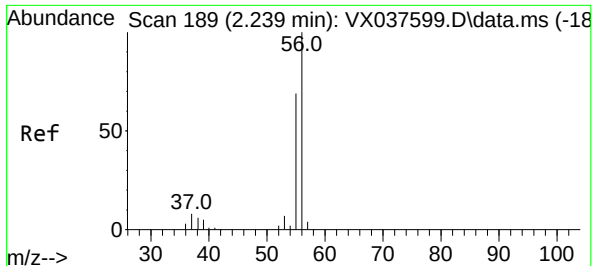
Ion Ratio Lower Upper

96 100

61 159.4 144.6 216.8

98 63.5 50.4 75.6





#13

Acrolein

Concen: 247.445 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 134430

Ion Ratio Lower Upper

56 100

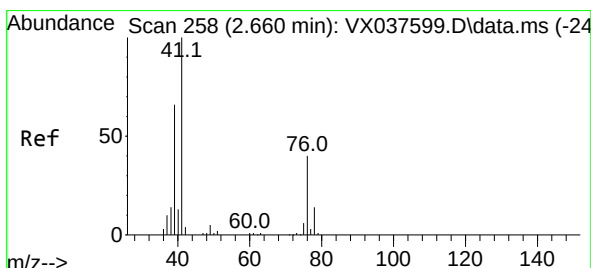
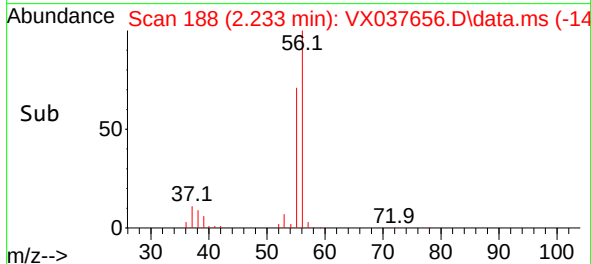
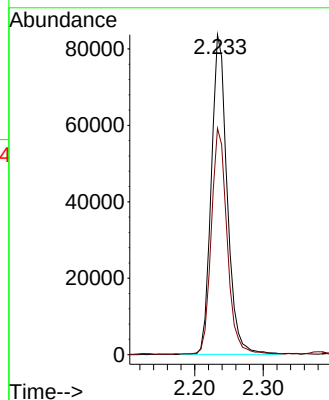
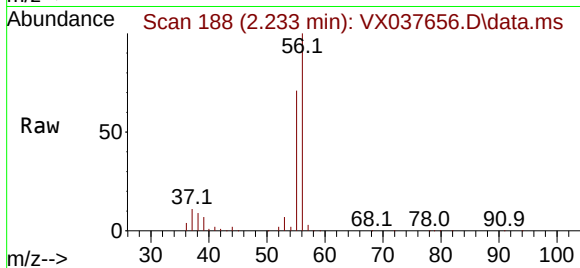
55 70.5 57.1 85.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#14

Allyl chloride

Concen: 49.704 ug/l

RT: 2.660 min Scan# 258

Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

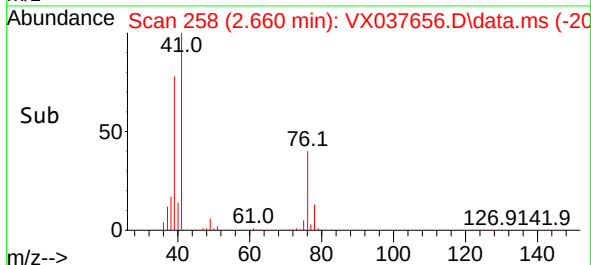
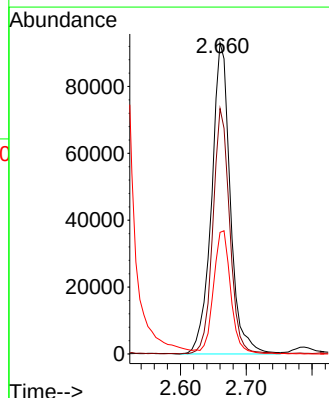
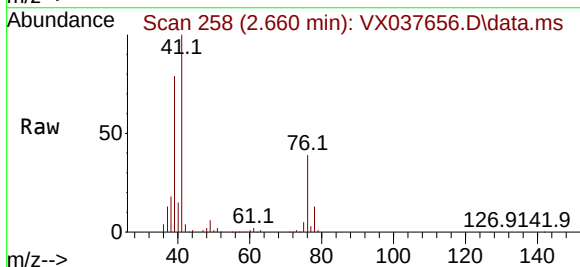
Tgt Ion: 41 Resp: 184877

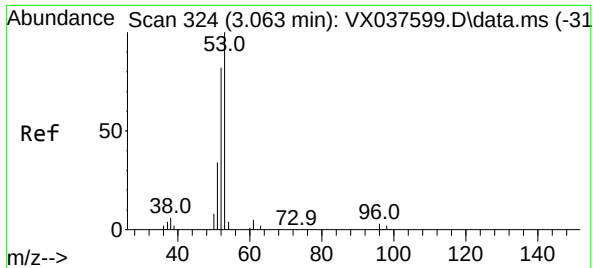
Ion Ratio Lower Upper

41 100

39 70.5 55.8 83.6

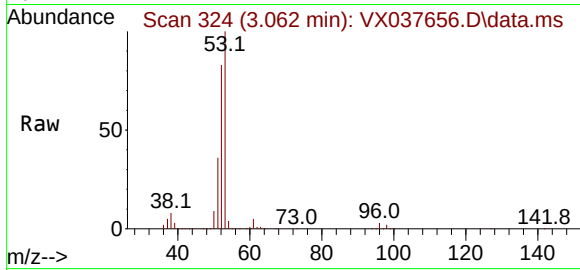
76 36.4 24.3 36.5





#15
Acrylonitrile
Concen: 226.353 ug/l
RT: 3.062 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX037656.D
Acq: 12 Sep 2023 09:54

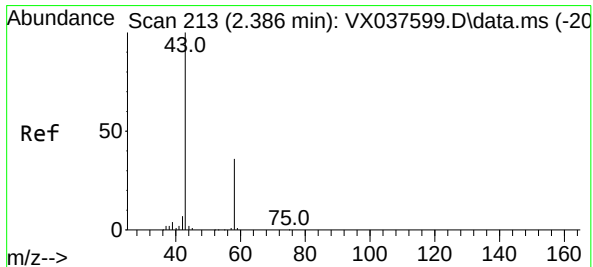
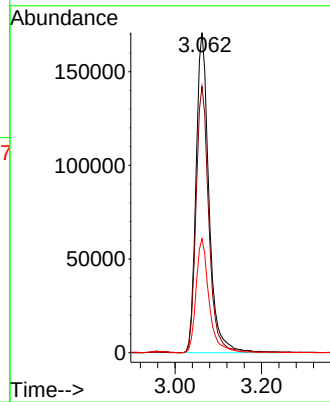
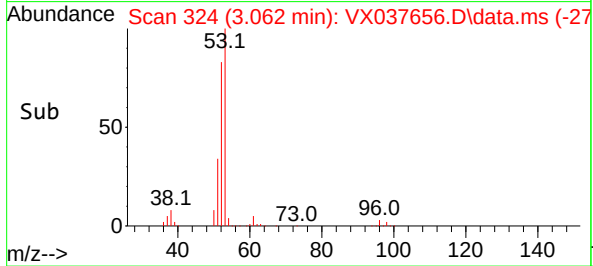
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



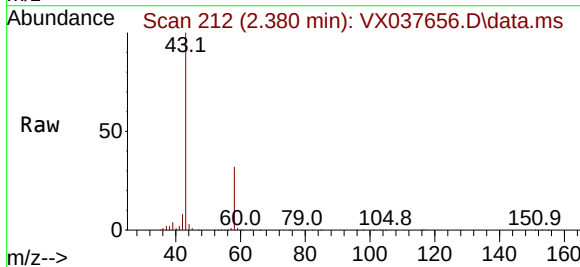
Tgt Ion: 53 Resp: 35397
Ion Ratio Lower Upper
53 100
52 82.7 66.0 99.0
51 35.9 29.8 44.6

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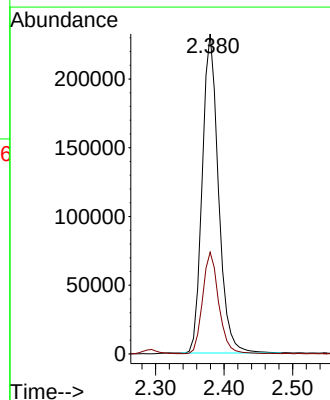
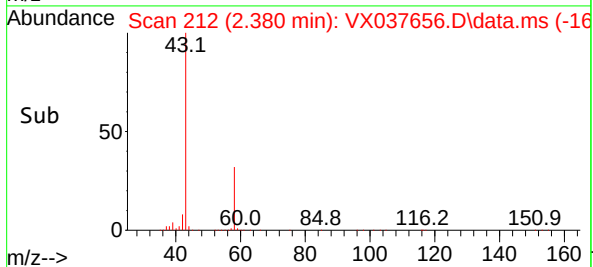
Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023

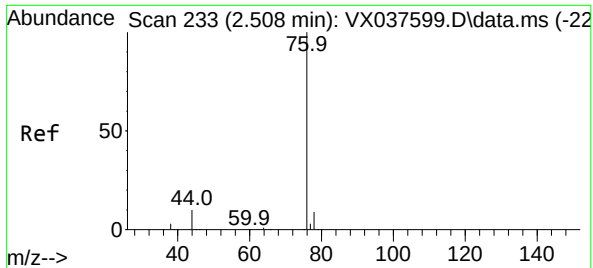


#16
Acetone
Concen: 278.429 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX037656.D
Acq: 12 Sep 2023 09:54



Tgt Ion: 43 Resp: 382730
Ion Ratio Lower Upper
43 100
58 31.8 21.9 32.9





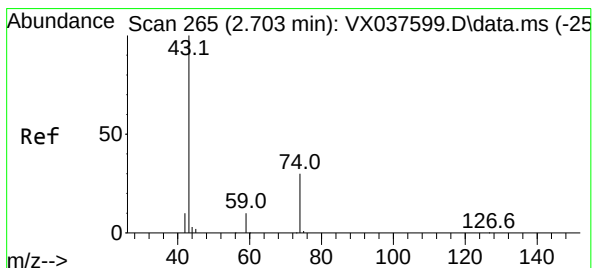
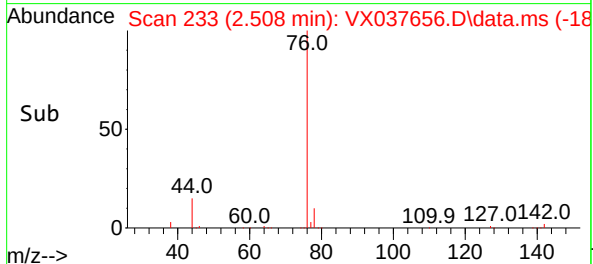
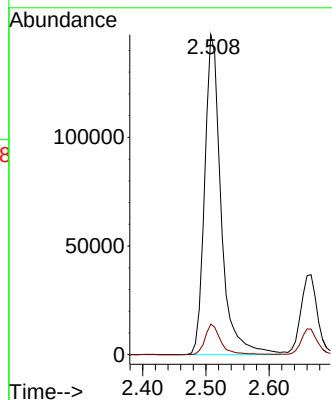
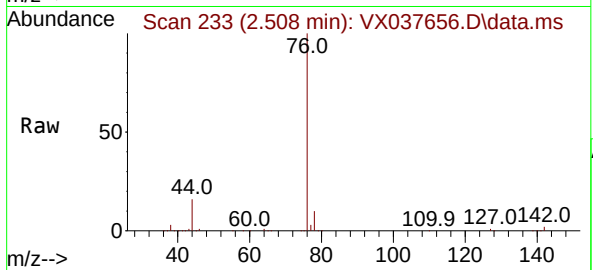
#17
Carbon Disulfide
Concen: 49.456 ug/l
RT: 2.508 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX037656.D
Acq: 12 Sep 2023 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 266484
Ion Ratio Lower Upper
76 100
78 9.6 7.0 10.6

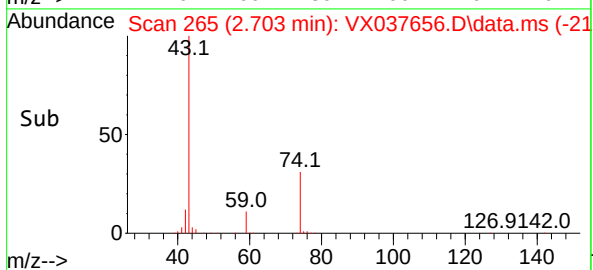
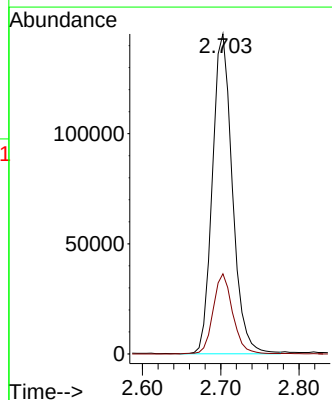
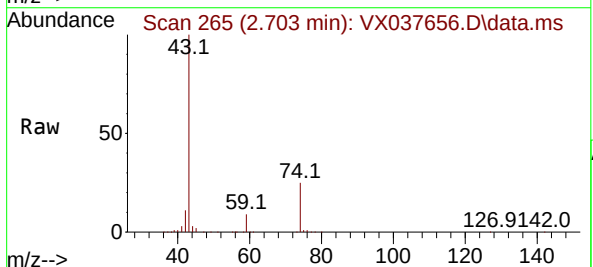
Manual Integrations
APPROVED

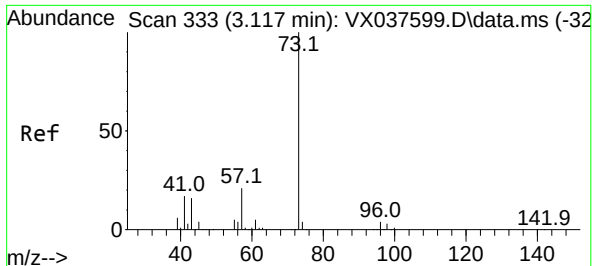
Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023



#18
Methyl Acetate
Concen: 44.672 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX037656.D
Acq: 12 Sep 2023 09:54

Tgt Ion: 43 Resp: 257364
Ion Ratio Lower Upper
43 100
74 24.7 17.8 26.8





#19

Methyl tert-butyl Ether

Concen: 47.797 ug/l

RT: 3.111 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 403314

Ion Ratio Lower Upper

73 100

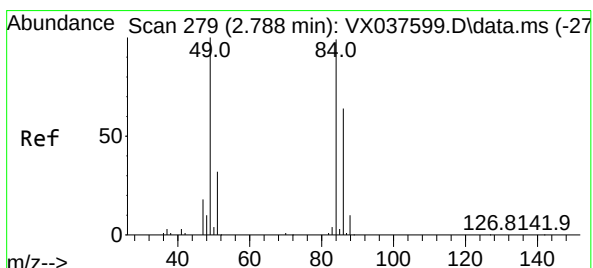
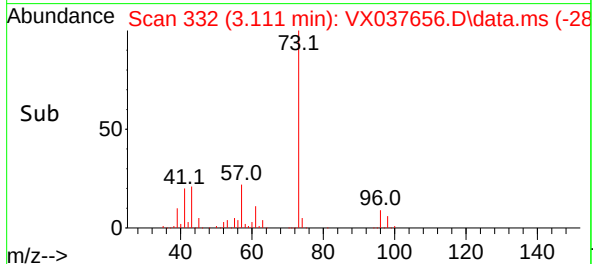
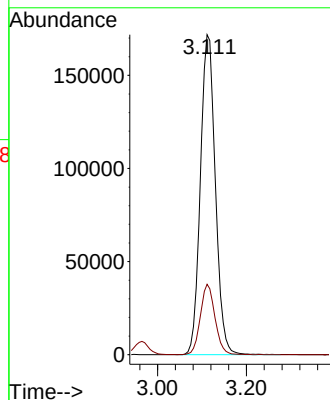
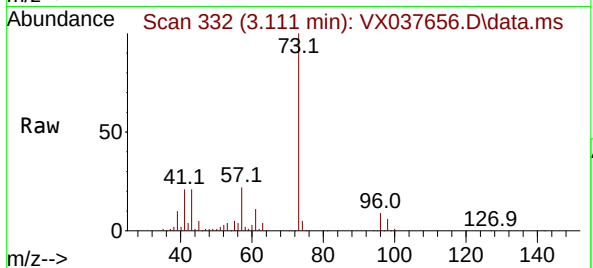
57 22.0 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#20

Methylene Chloride

Concen: 49.804 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Tgt Ion: 84 Resp: 129526

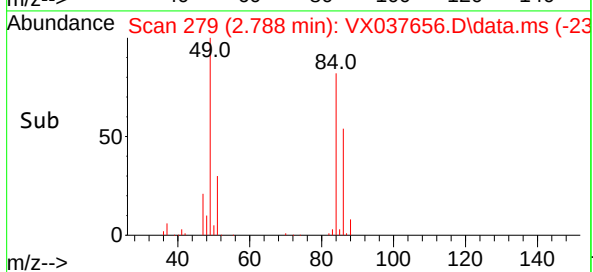
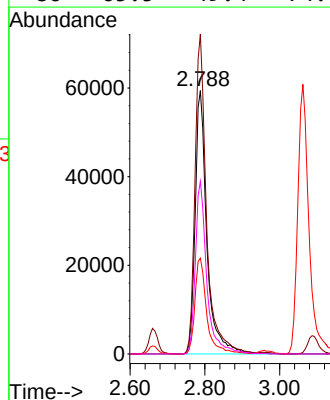
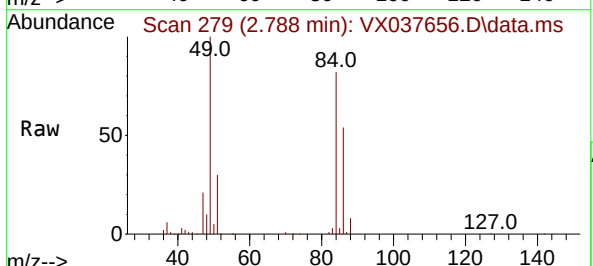
Ion Ratio Lower Upper

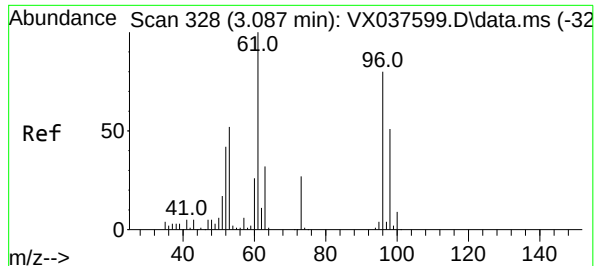
84 100

49 121.5 103.6 155.4

51 36.4 33.8 50.6

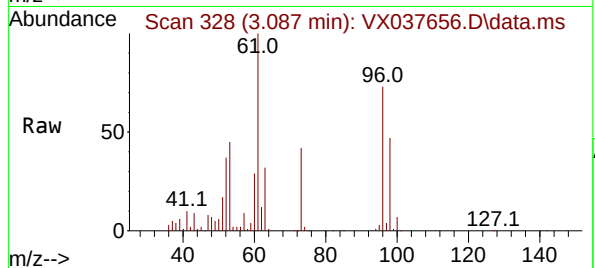
86 65.5 49.4 74.0





#21
trans-1,2-Dichloroethene
Concen: 48.367 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX037656.D
Acq: 12 Sep 2023 09:54

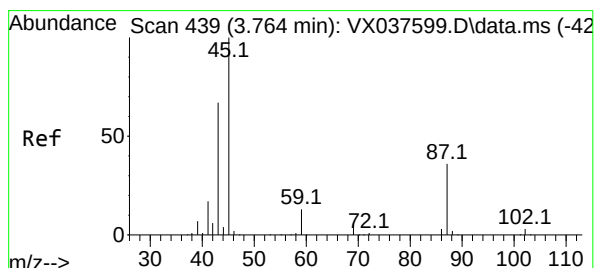
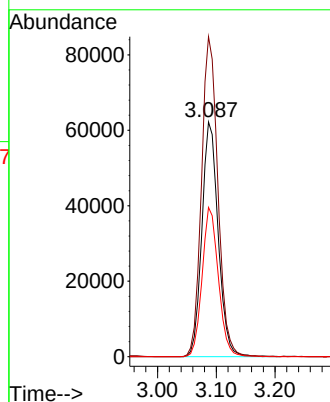
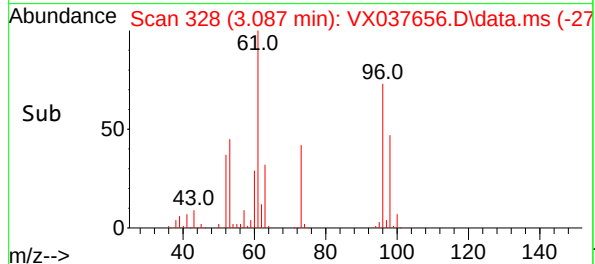
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



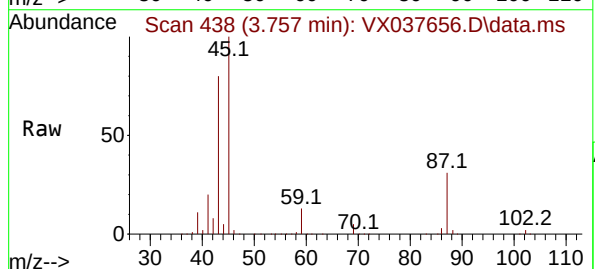
Tgt Ion: 96 Resp: 11988
Ion Ratio Lower Upper
96 100
61 136.3 119.2 178.8
98 63.6 48.7 73.1

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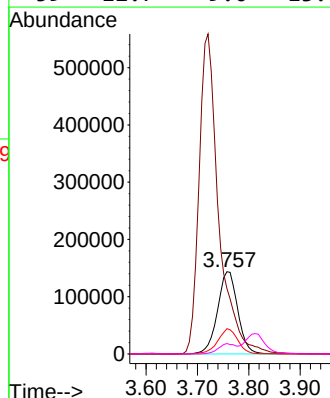
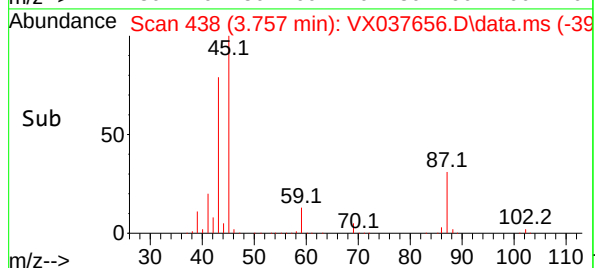
Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023

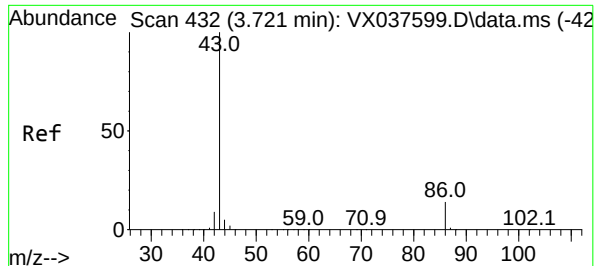


#22
Diisopropyl ether
Concen: 48.363 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX037656.D
Acq: 12 Sep 2023 09:54



Tgt Ion: 45 Resp: 392629
Ion Ratio Lower Upper
45 100
43 79.5 69.7 104.5
87 30.8 20.8 31.2
59 12.7 9.0 13.4





#23

Vinyl Acetate

Concen: 250.215 ug/l

RT: 3.721 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDC050

Tgt Ion: 43 Resp: 1490374

Ion Ratio Lower Upper

43 100

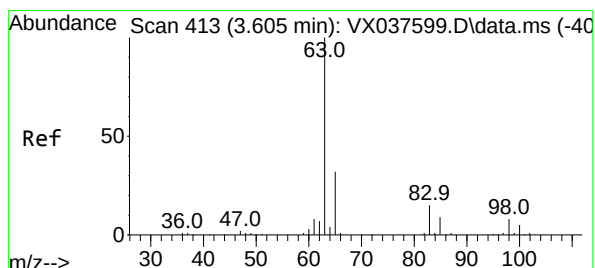
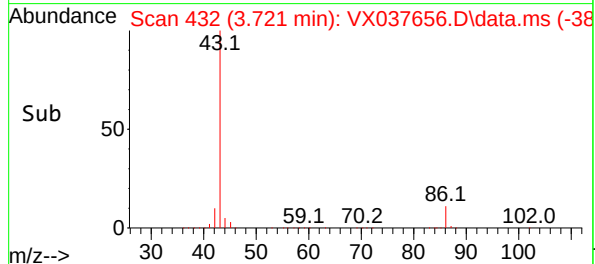
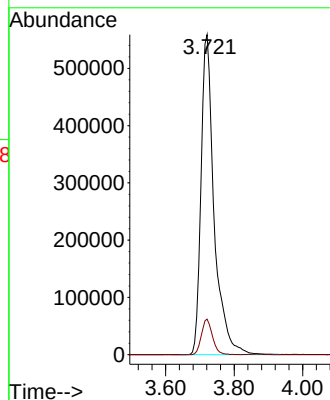
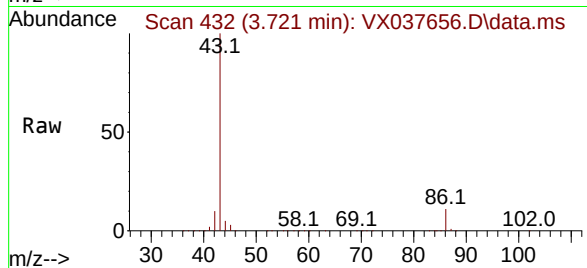
86 11.1 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#24

1,1-Dichloroethane

Concen: 48.699 ug/l

RT: 3.605 min Scan# 413

Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

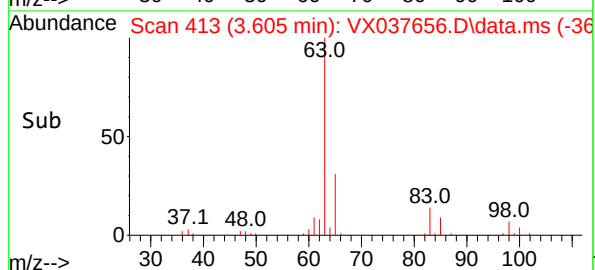
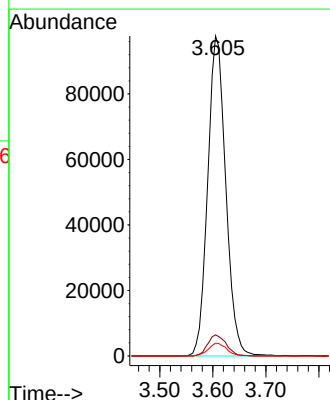
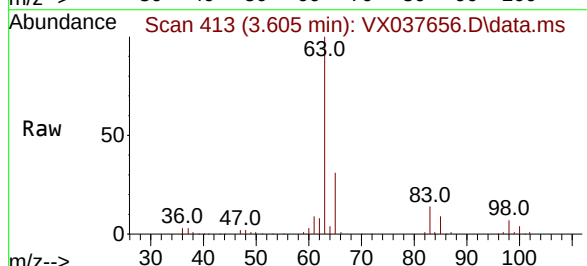
Tgt Ion: 63 Resp: 231299

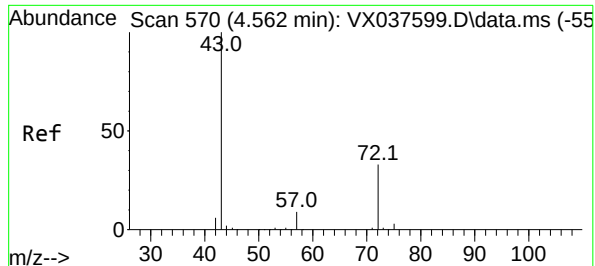
Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

100 4.0 2.1 6.5





#25

2-Butanone

Concen: 236.734 ug/l

RT: 4.550 min Scan# 5

Delta R.T. -0.012 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 522500

Ion Ratio Lower Upper

43 100

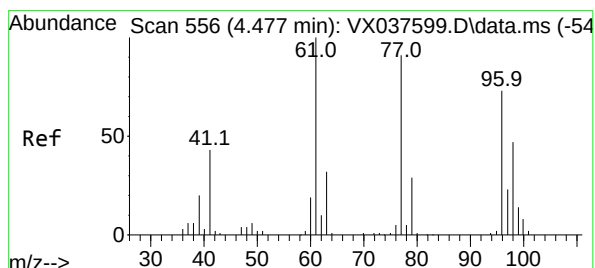
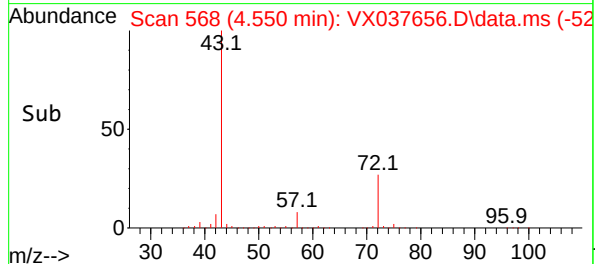
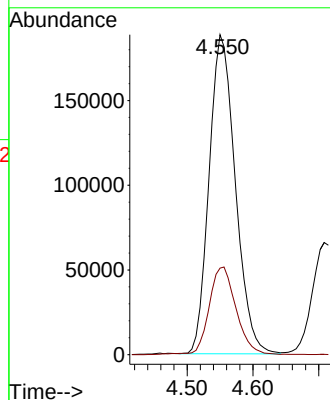
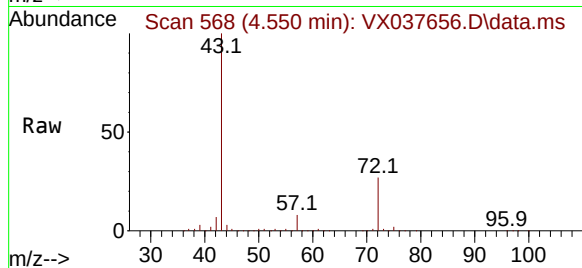
72 27.0 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#26

2,2-Dichloropropane

Concen: 60.193 ug/l

RT: 4.471 min Scan# 555

Delta R.T. -0.006 min

Lab File: VX037656.D

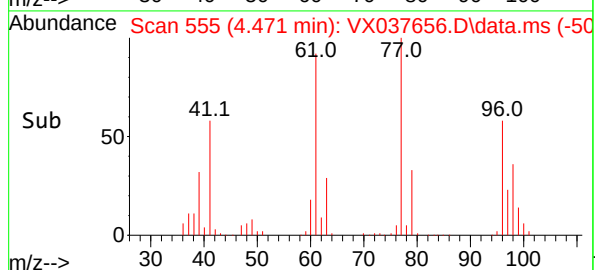
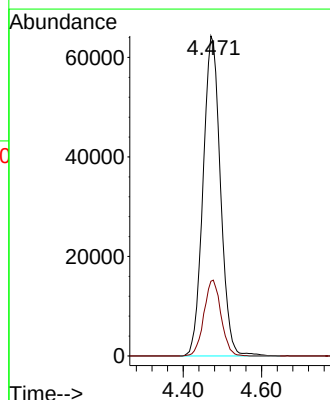
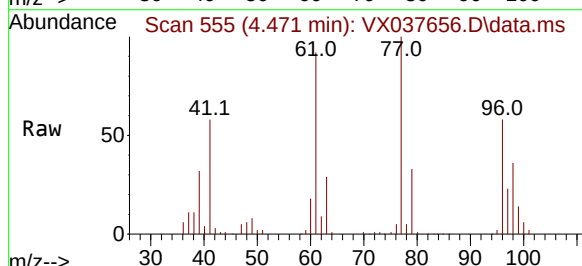
Acq: 12 Sep 2023 09:54

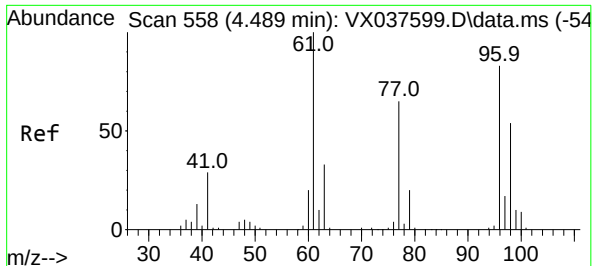
Tgt Ion: 77 Resp: 197956

Ion Ratio Lower Upper

77 100

97 23.3 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 49.184 ug/l

RT: 4.483 min Scan# 558

Delta R.T. -0.006 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 145784

Ion Ratio Lower Upper

96 100

61 146.0 0.0 312.2

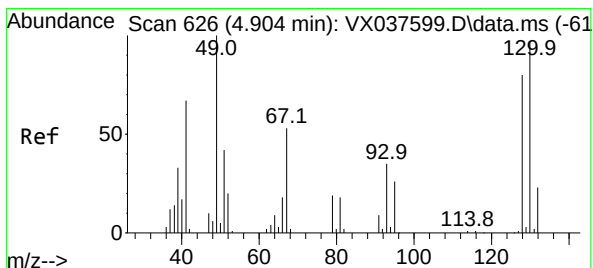
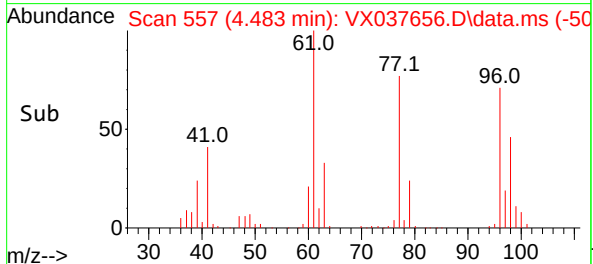
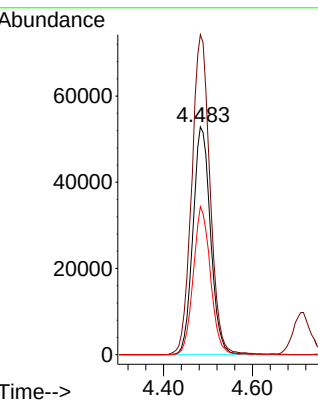
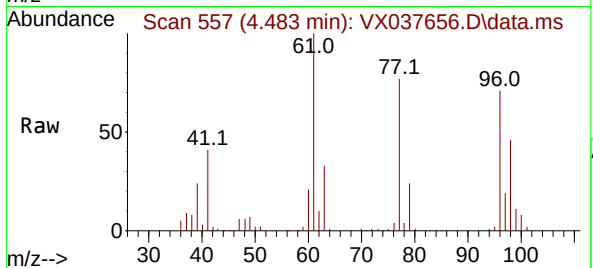
98 63.4 0.0 129.0

Manual Integrations

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Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#28

Bromochloromethane

Concen: 45.692 ug/l

RT: 4.897 min Scan# 625

Delta R.T. -0.006 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

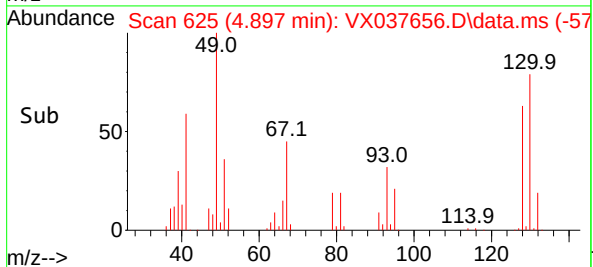
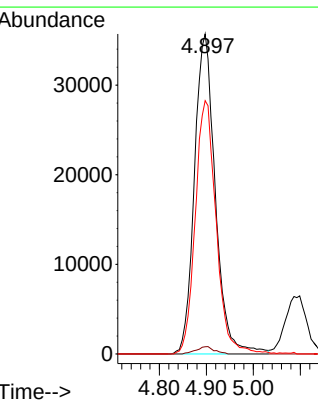
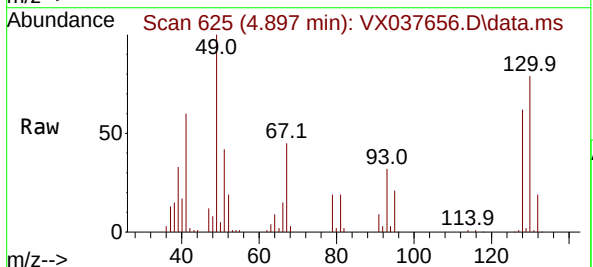
Tgt Ion: 49 Resp: 110044

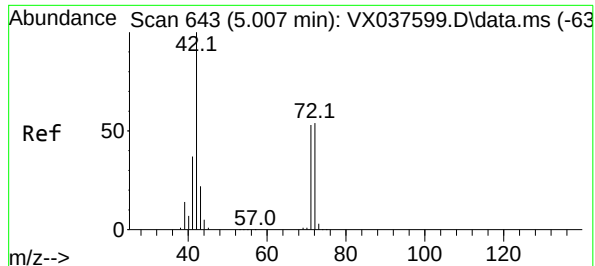
Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

130 79.2 57.5 86.3





#29

Tetrahydrofuran

Concen: 224.370 ug/l

RT: 5.001 min Scan# 643

Delta R.T. -0.006 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 31940

Ion Ratio Lower Upper

42 100

72 47.9 34.2 51.4

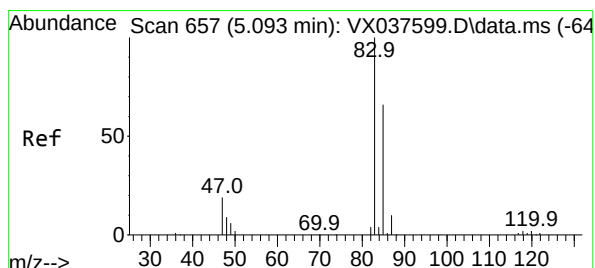
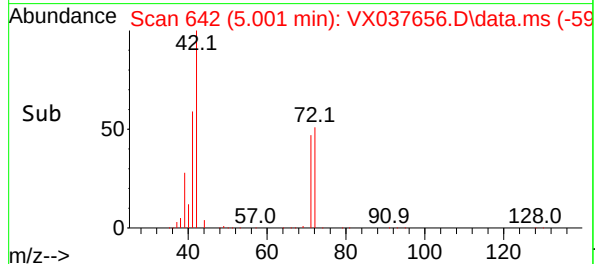
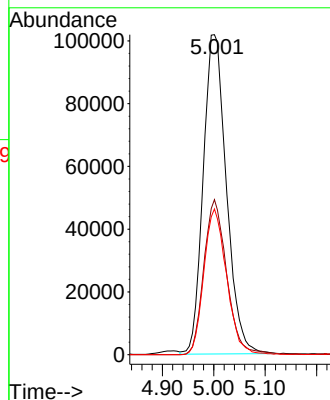
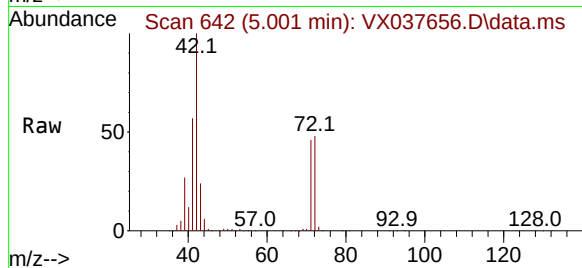
71 44.8 32.2 48.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#30

Chloroform

Concen: 48.180 ug/l

RT: 5.093 min Scan# 657

Delta R.T. -0.000 min

Lab File: VX037656.D

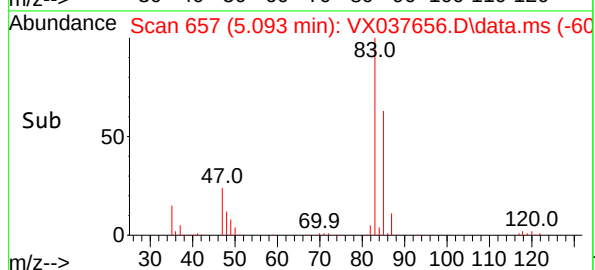
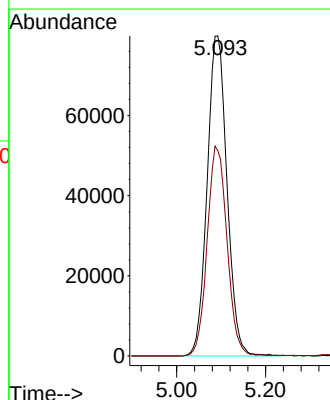
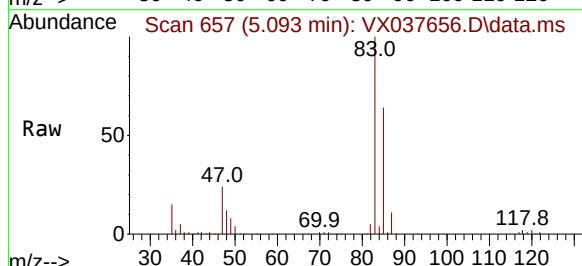
Acq: 12 Sep 2023 09:54

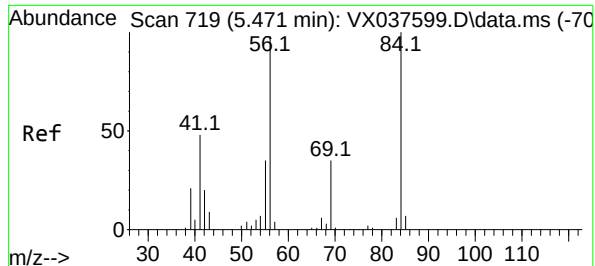
Tgt Ion: 83 Resp: 248103

Ion Ratio Lower Upper

83 100

85 64.2 50.3 75.5





#31

Cyclohexane

Concen: 52.928 ug/l

RT: 5.470 min Scan# 719

Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 202664

Ion Ratio Lower Upper

56 100

69 30.9 23.4 35.2

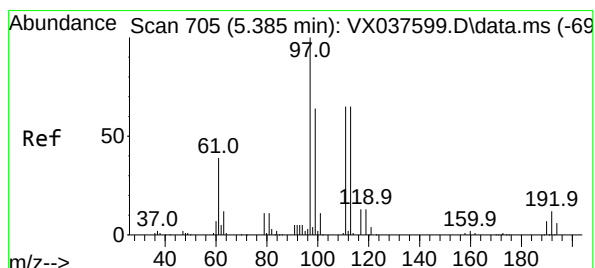
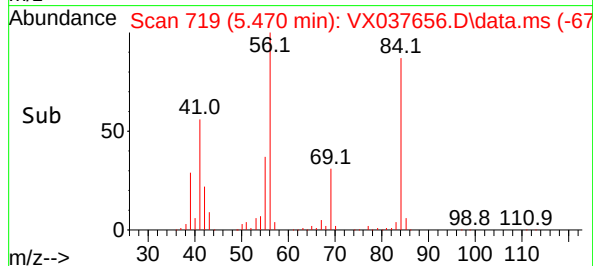
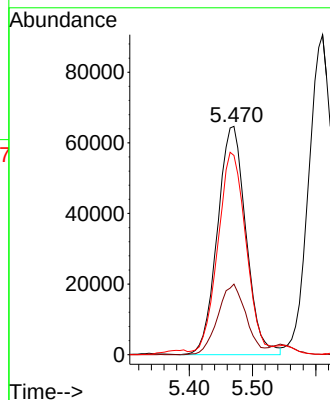
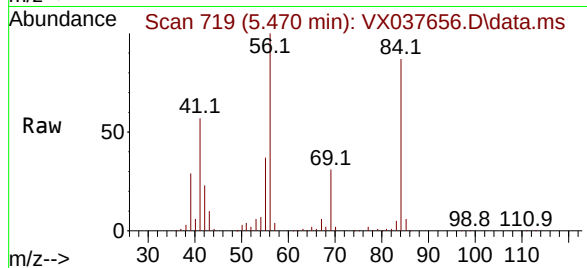
84 85.5 65.9 98.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#32

1,1,1-Trichloroethane

Concen: 50.446 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

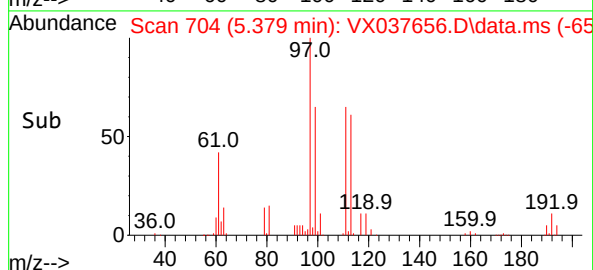
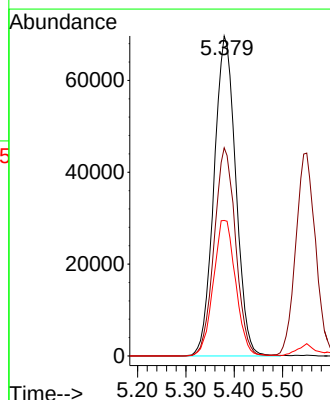
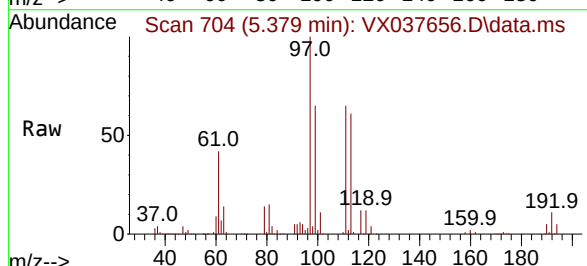
Tgt Ion: 97 Resp: 218195

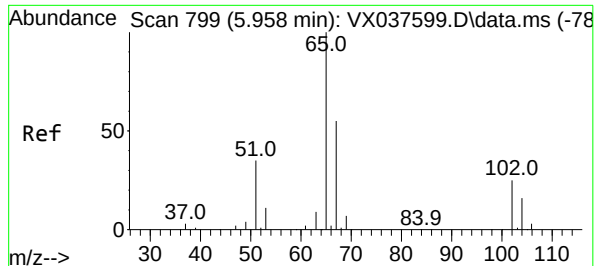
Ion Ratio Lower Upper

97 100

99 64.0 51.1 76.7

61 43.3 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 47.881 ug/l

RT: 5.952 min Scan# 79

Delta R.T. -0.006 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 159215

Ion Ratio Lower Upper

65 100

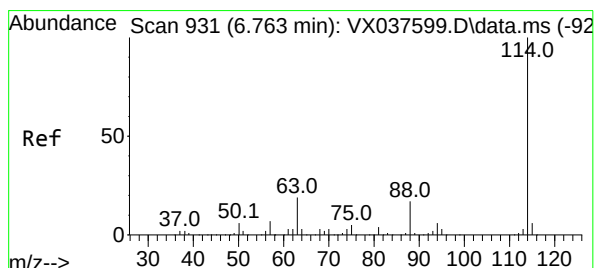
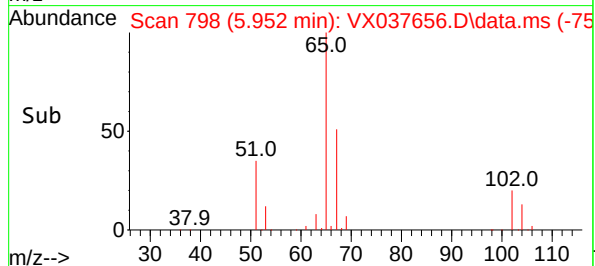
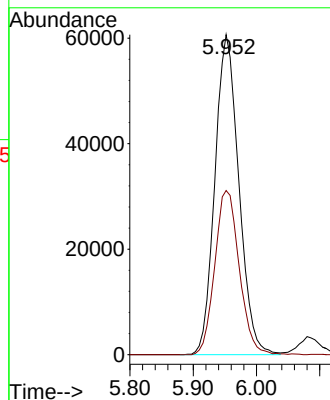
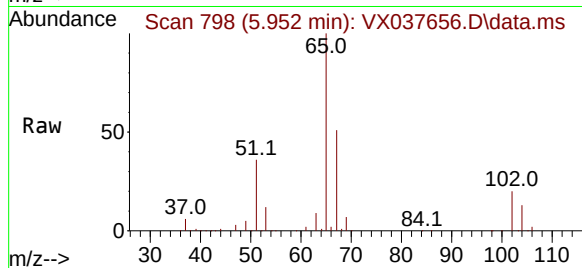
67 52.4 0.0 100.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

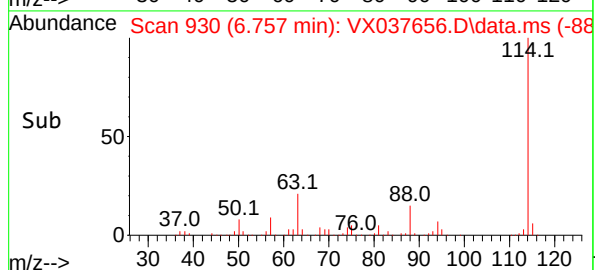
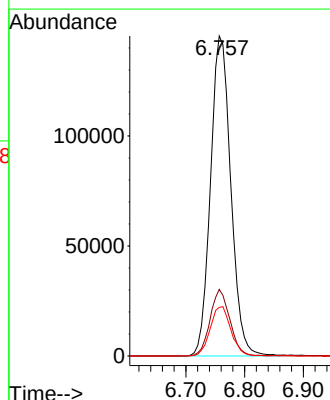
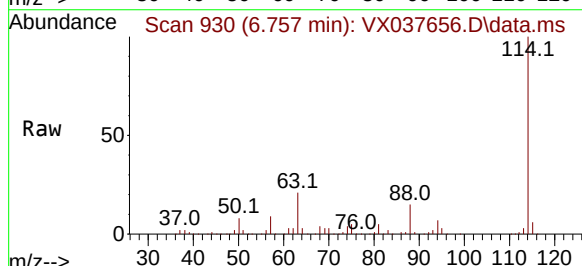
Tgt Ion:114 Resp: 349175

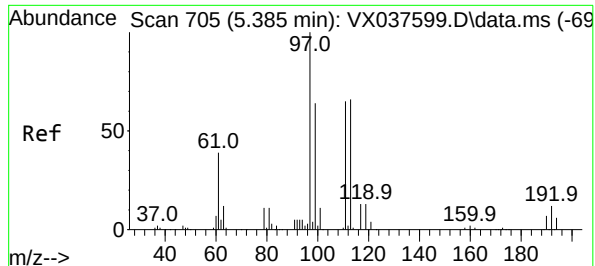
Ion Ratio Lower Upper

114 100

63 20.8 0.0 45.0

88 15.2 0.0 36.6





#35

Dibromofluoromethane

Concen: 52.256 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 12933

Ion Ratio Lower Upper

113 100

111 103.2 82.9 124.3

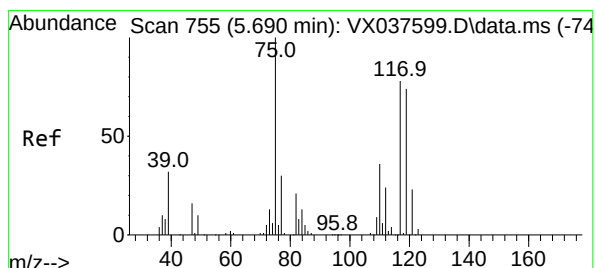
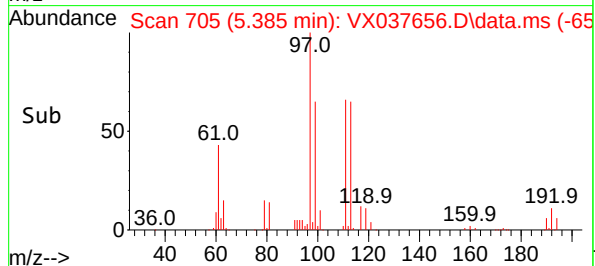
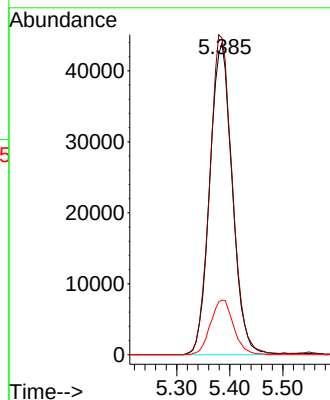
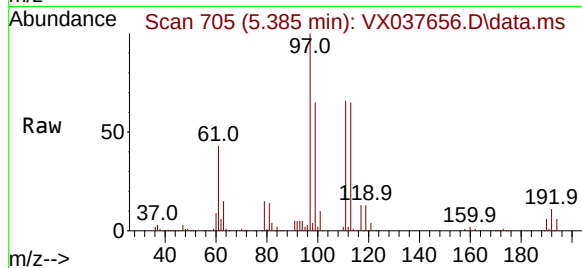
192 17.9 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#36

1,1-Dichloropropene

Concen: 52.513 ug/l

RT: 5.690 min Scan# 755

Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

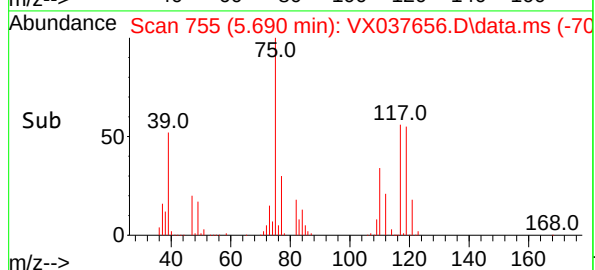
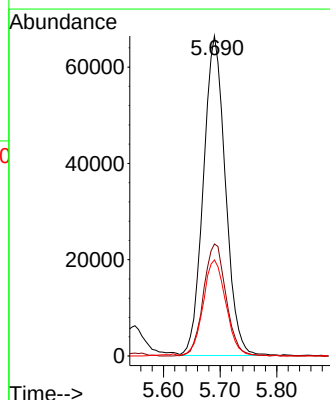
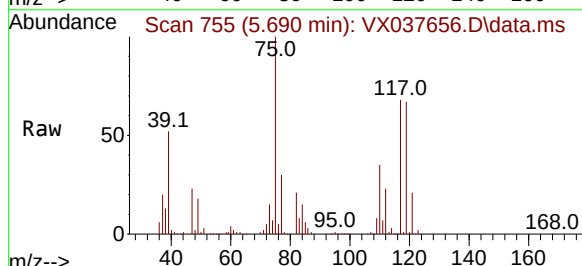
Tgt Ion: 75 Resp: 179230

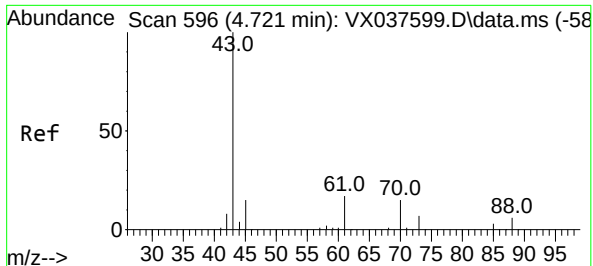
Ion Ratio Lower Upper

75 100

110 35.9 17.0 50.9

77 31.1 24.7 37.1





#37

Ethyl Acetate

Concen: 49.415 ug/l

RT: 4.708 min Scan# 594

Delta R.T. -0.012 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 194500

Ion Ratio Lower Upper

43 100

61 14.0 10.6 16.0

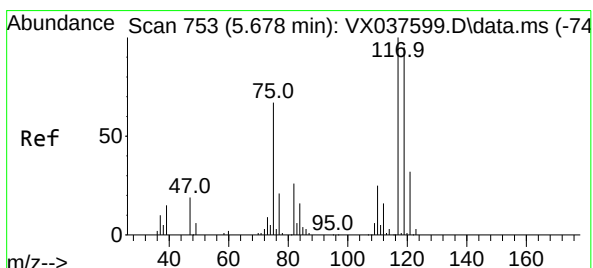
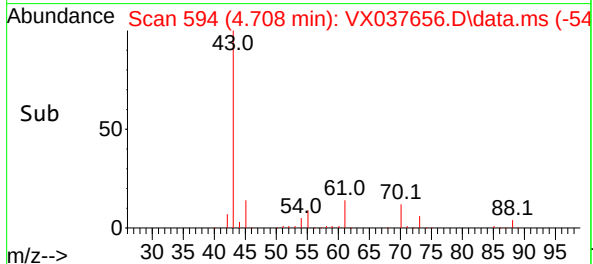
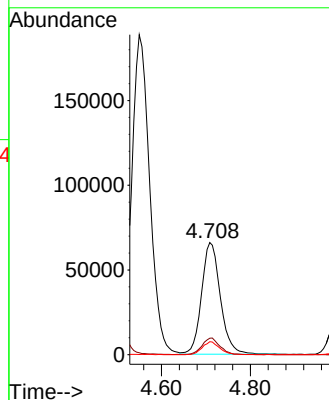
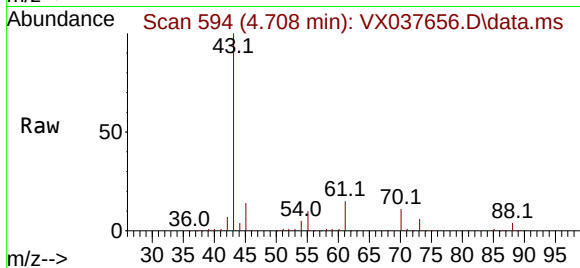
70 10.8 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#38

Carbon Tetrachloride

Concen: 55.239 ug/l

RT: 5.672 min Scan# 752

Delta R.T. -0.006 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

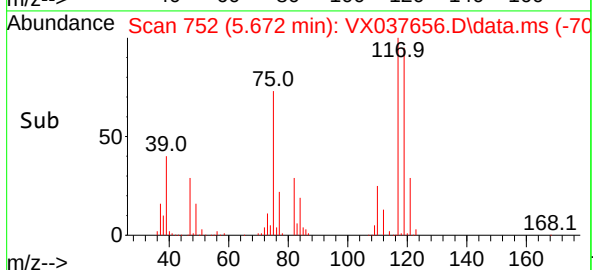
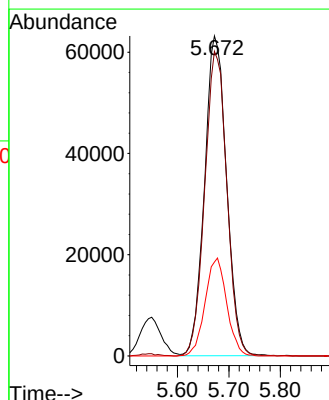
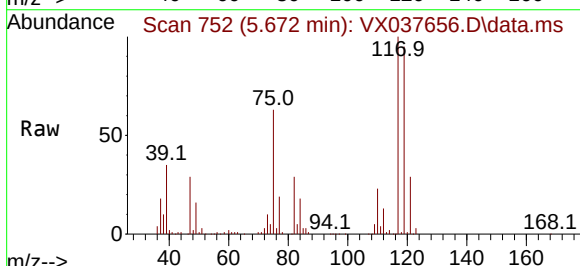
Tgt Ion:117 Resp: 188297

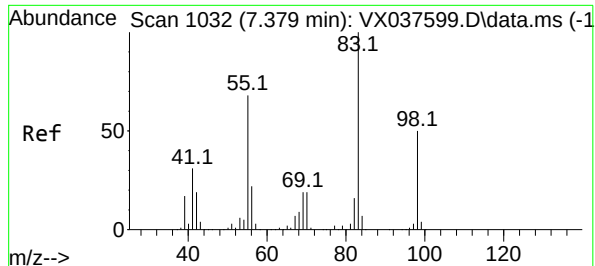
Ion Ratio Lower Upper

117 100

119 95.2 78.2 117.2

121 29.4 24.4 36.6





#39

Methylcyclohexane

Concen: 58.000 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 232830

Ion Ratio Lower Upper

83 100

55 70.6 64.6 97.0

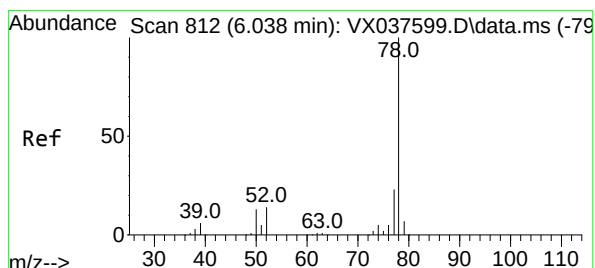
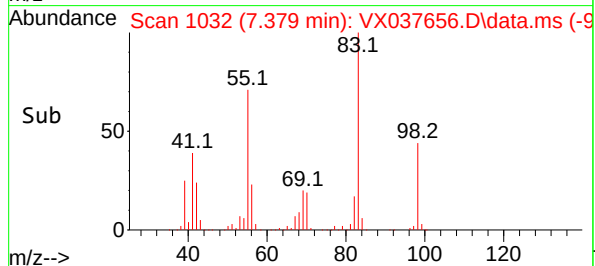
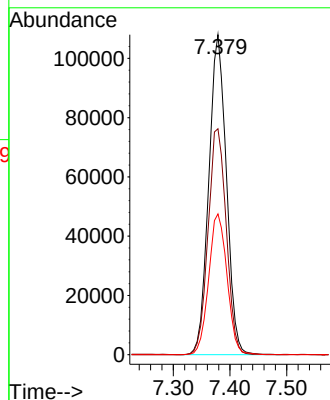
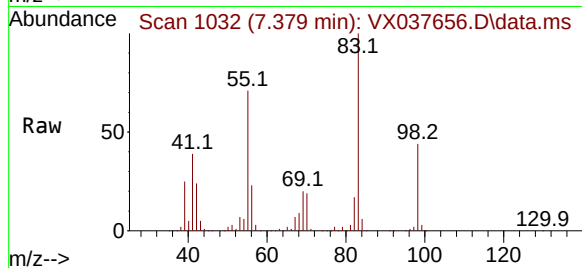
98 44.0 36.7 55.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#40

Benzene

Concen: 50.817 ug/l

RT: 6.037 min Scan# 812

Delta R.T. -0.000 min

Lab File: VX037656.D

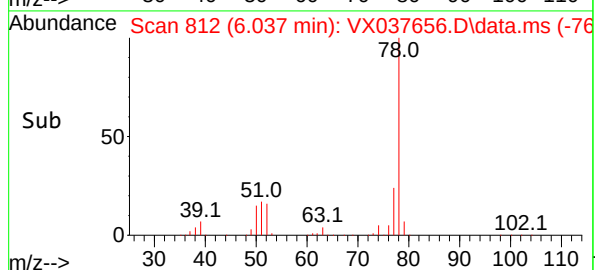
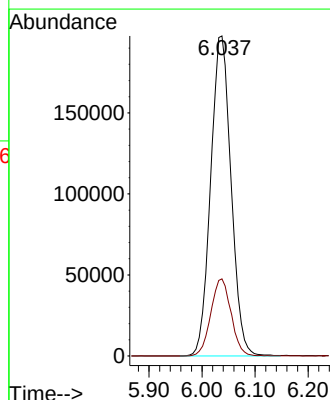
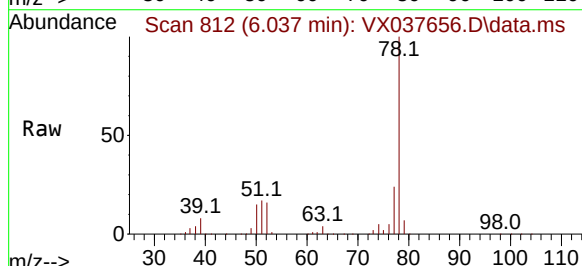
Acq: 12 Sep 2023 09:54

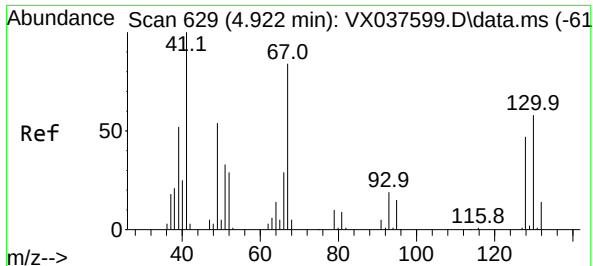
Tgt Ion: 78 Resp: 527384

Ion Ratio Lower Upper

78 100

77 24.1 19.3 28.9





#41

Methacrylonitrile

Concen: 49.203 ug/l

RT: 4.916 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 102894

Ion Ratio Lower Upper

41 100

39 55.5 45.2 67.8

67 78.5 52.6 78.8

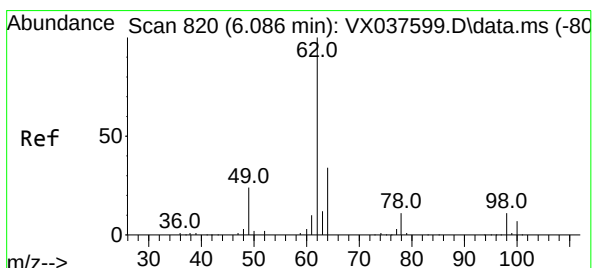
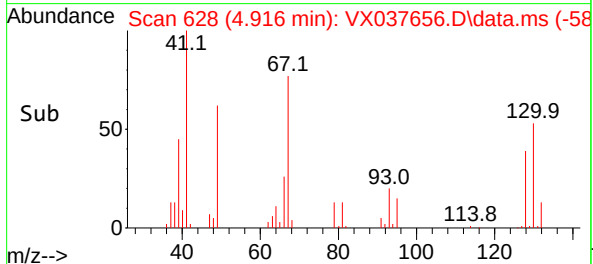
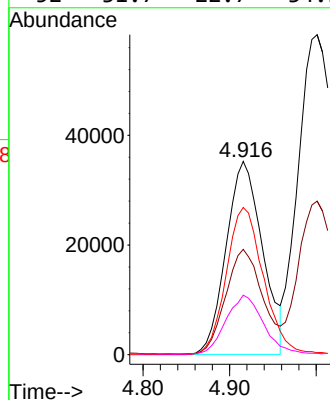
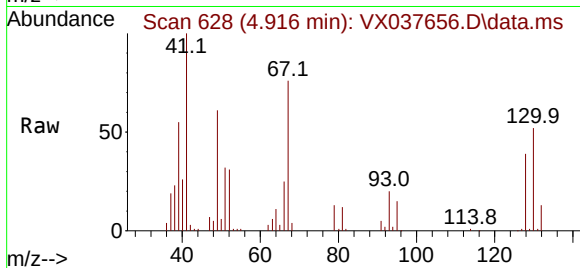
52 31.7 22.7 34.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#42

1,2-Dichloroethane

Concen: 49.185 ug/l

RT: 6.086 min Scan# 820

Delta R.T. -0.000 min

Lab File: VX037656.D

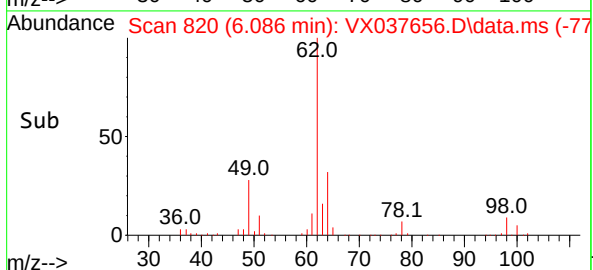
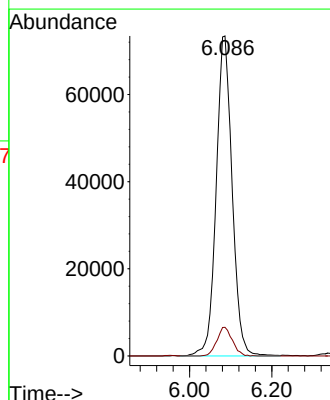
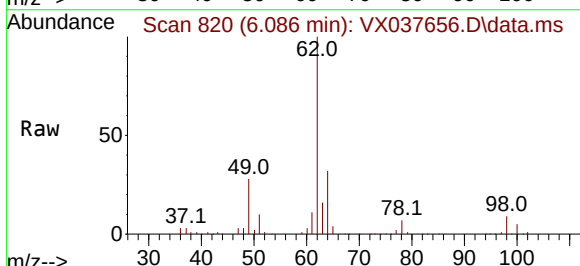
Acq: 12 Sep 2023 09:54

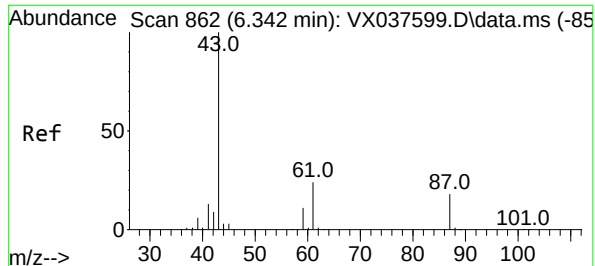
Tgt Ion: 62 Resp: 197798

Ion Ratio Lower Upper

62 100

98 8.7 0.0 16.0





#43

Isopropyl Acetate

Concen: 51.332 ug/l

RT: 6.336 min Scan# 80

Delta R.T. -0.006 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 31940

Ion Ratio Lower Upper

43 100

61 19.7 15.2 22.8

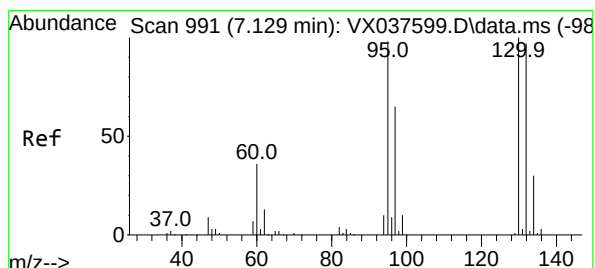
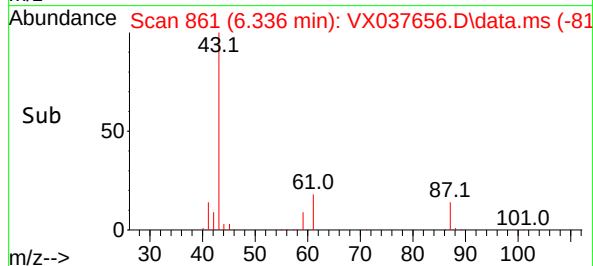
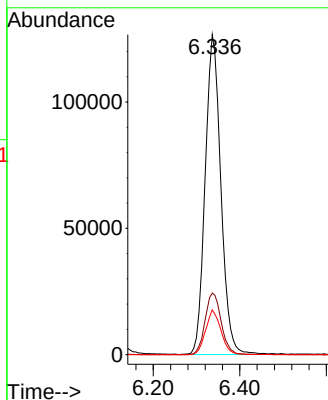
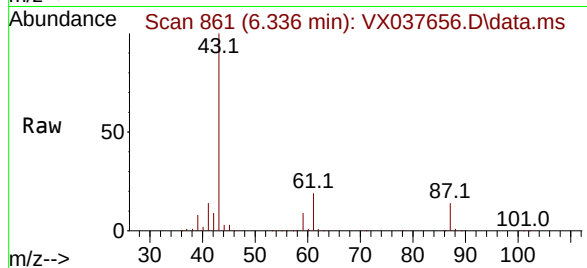
87 13.6 9.8 14.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#44

Trichloroethene

Concen: 52.891 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.006 min

Lab File: VX037656.D

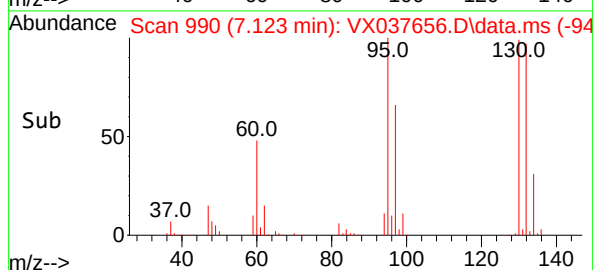
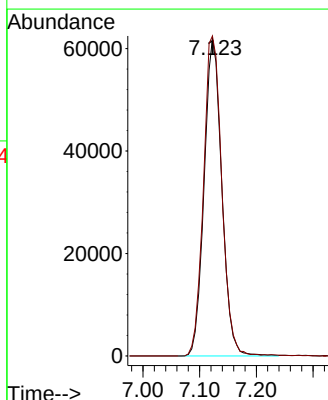
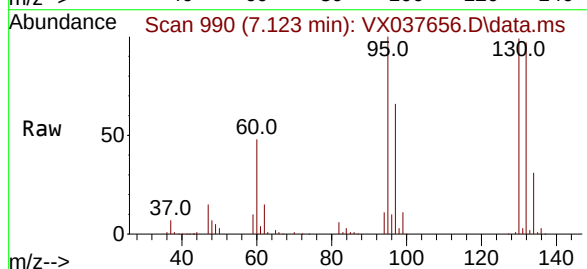
Acq: 12 Sep 2023 09:54

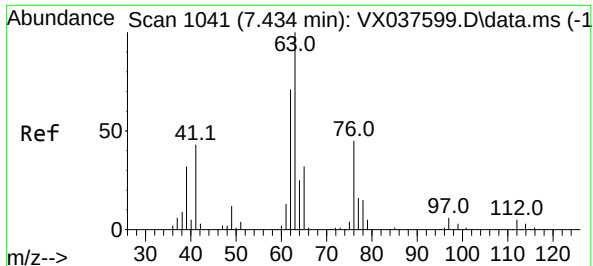
Tgt Ion:130 Resp: 133968

Ion Ratio Lower Upper

130 100

95 100.8 0.0 204.4





#45

1,2-Dichloropropane

Concen: 51.384 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 139920

Ion Ratio Lower Upper

63 100

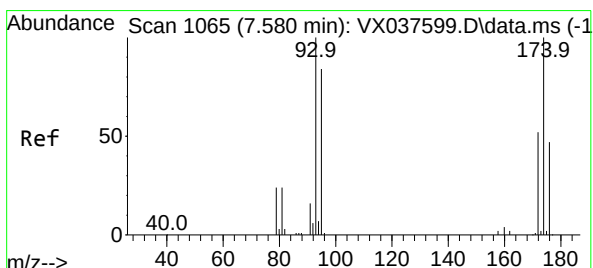
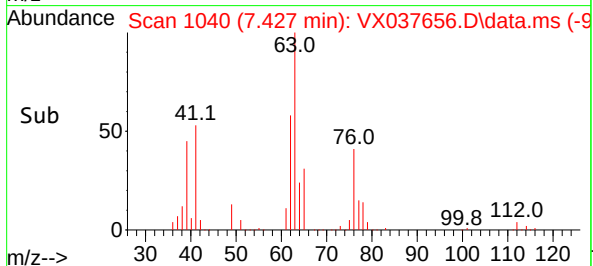
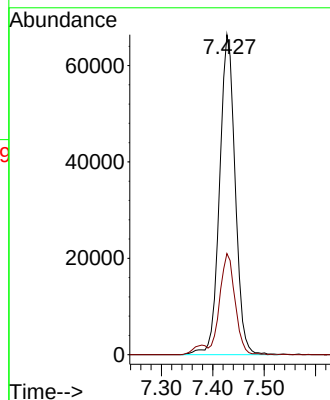
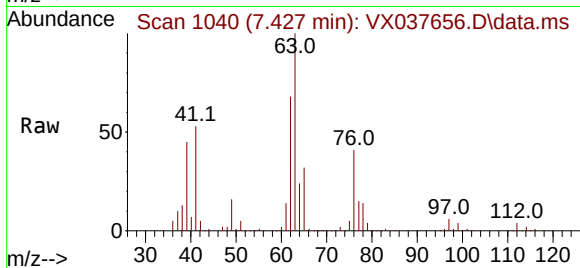
65 31.6 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#46

Dibromomethane

Concen: 50.480 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

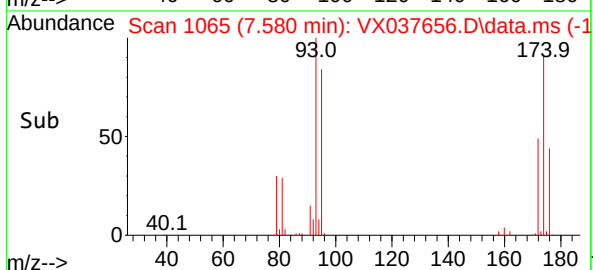
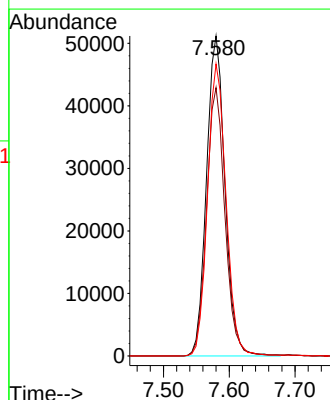
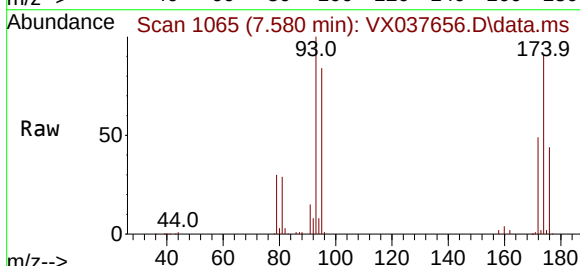
Tgt Ion: 93 Resp: 100290

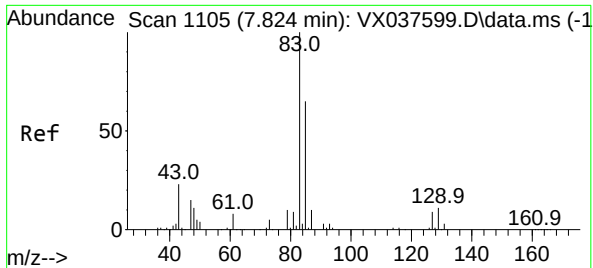
Ion Ratio Lower Upper

93 100

95 83.7 66.6 100.0

174 91.4 69.4 104.0





#47

Bromodichloromethane

Concen: 54.425 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 193800

Ion Ratio Lower Upper

83 100

85 61.4 49.8 74.6

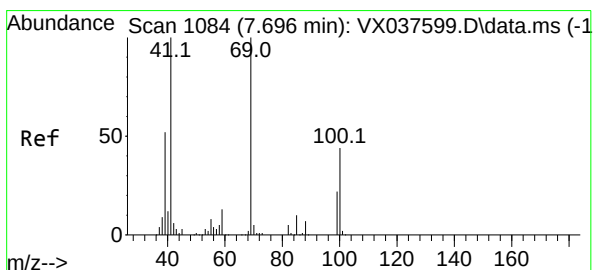
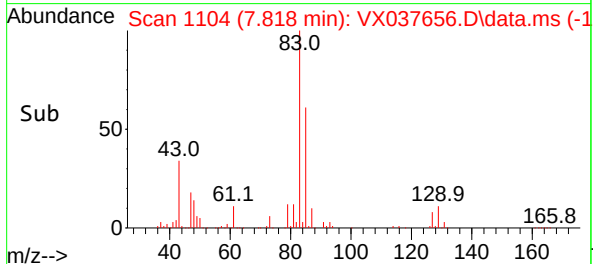
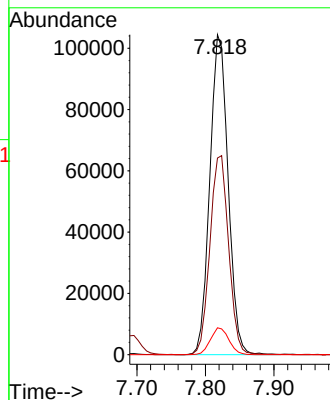
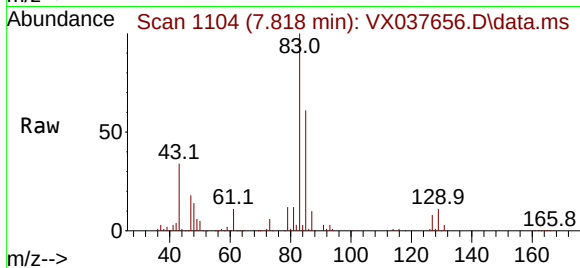
127 8.4 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#48

Methyl methacrylate

Concen: 50.846 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. -0.006 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

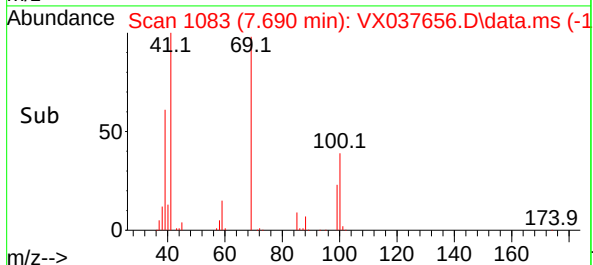
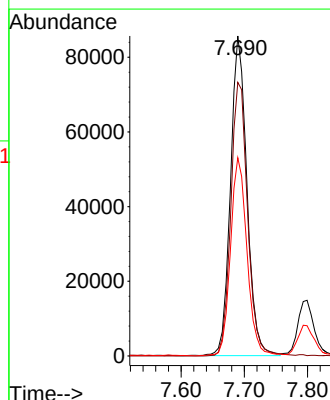
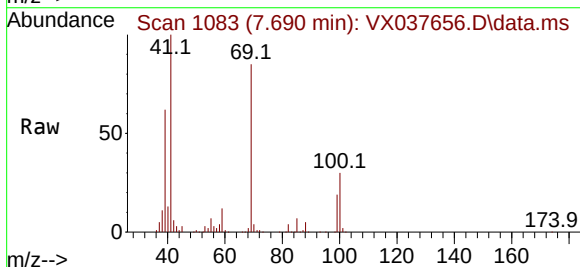
Tgt Ion: 41 Resp: 154517

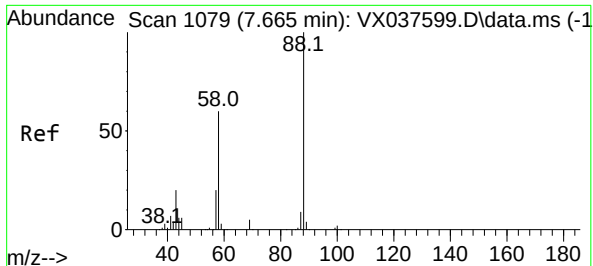
Ion Ratio Lower Upper

41 100

69 88.0 59.2 88.8

39 62.3 47.7 71.5





#49

1,4-Dioxane

Concen: 988.196 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. -0.006 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 74799

Ion Ratio Lower Upper

88 100

43 30.5 0.0 0.0

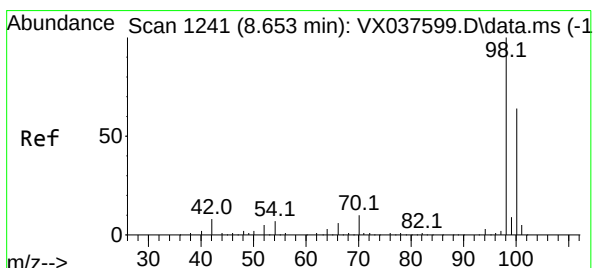
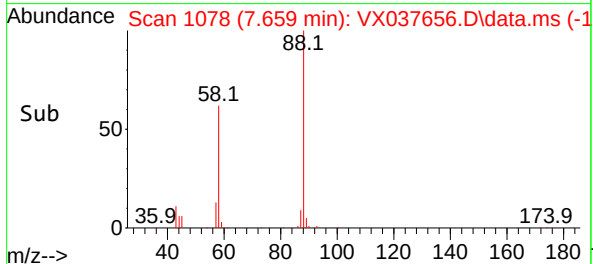
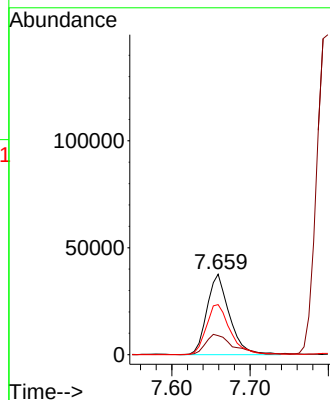
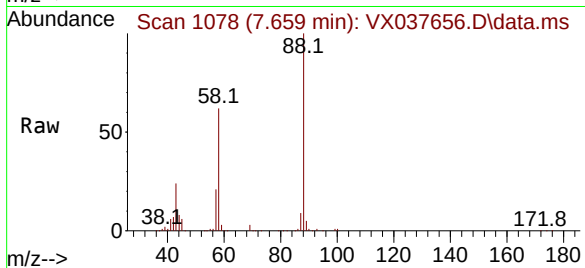
58 67.2 60.1 90.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#50

Toluene-d8

Concen: 53.395 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX037656.D

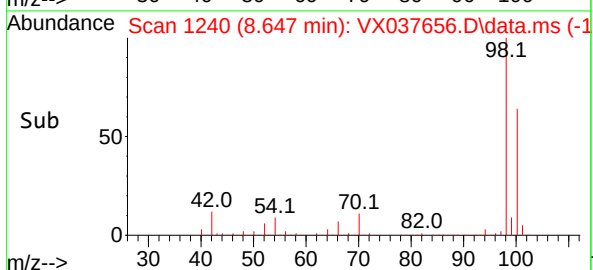
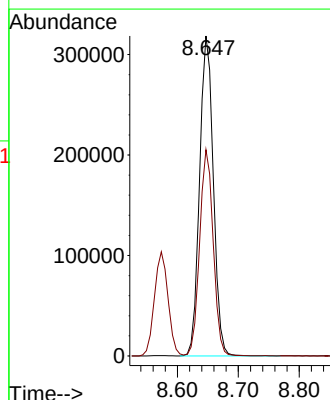
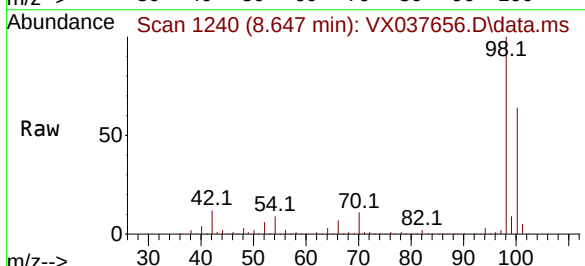
Acq: 12 Sep 2023 09:54

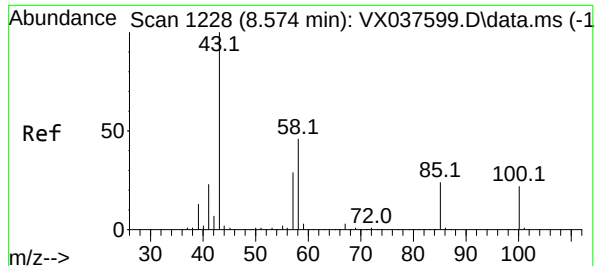
Tgt Ion: 98 Resp: 498407

Ion Ratio Lower Upper

98 100

100 63.6 53.1 79.7





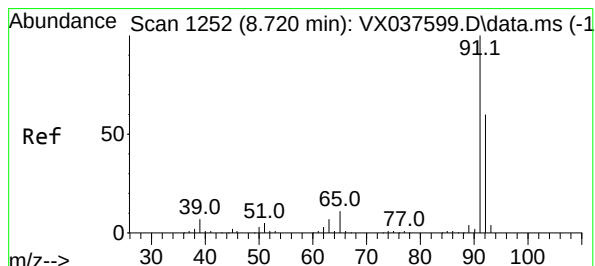
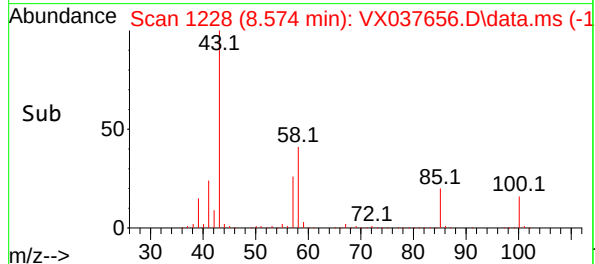
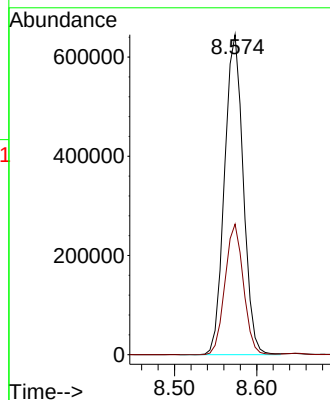
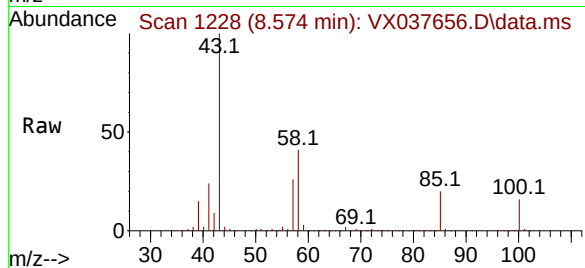
#51
4-Methyl-2-Pentanone
Concen: 248.999 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX037656.D
Acq: 12 Sep 2023 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1021539
Ion Ratio Lower Upper
43 100
58 40.2 30.4 45.6

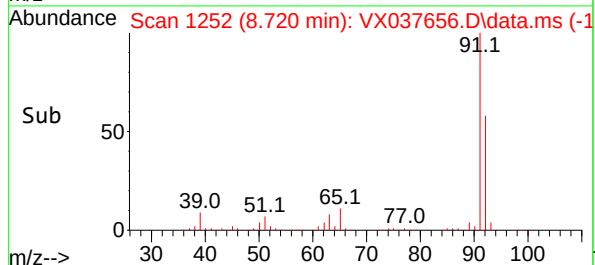
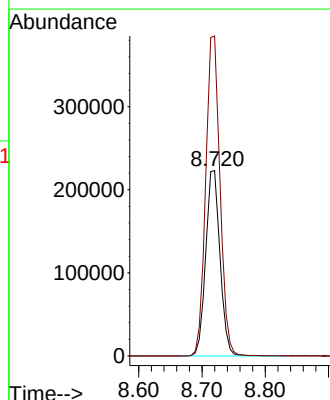
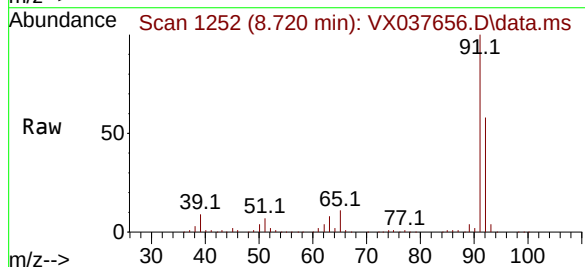
Manual Integrations
APPROVED

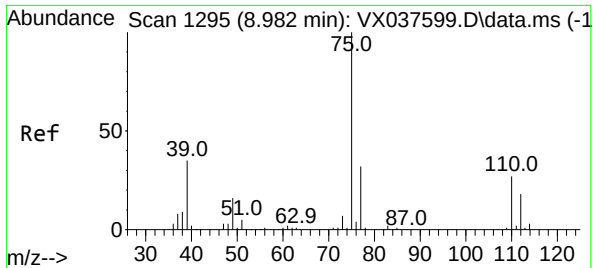
Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023



#52
Toluene
Concen: 53.501 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX037656.D
Acq: 12 Sep 2023 09:54

Tgt Ion: 92 Resp: 351328
Ion Ratio Lower Upper
92 100
91 173.2 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 59.080 ug/l

RT: 8.976 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 21263

Ion Ratio Lower Upper

75 100

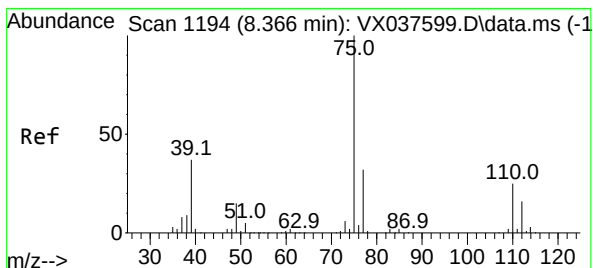
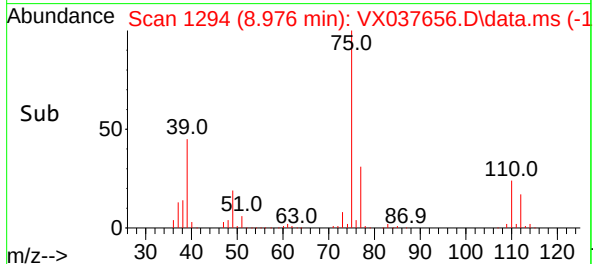
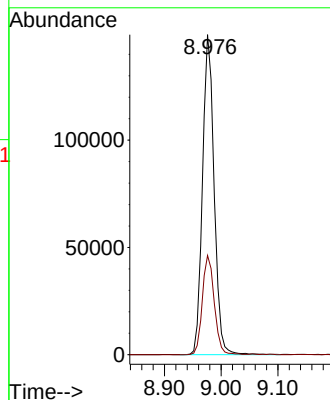
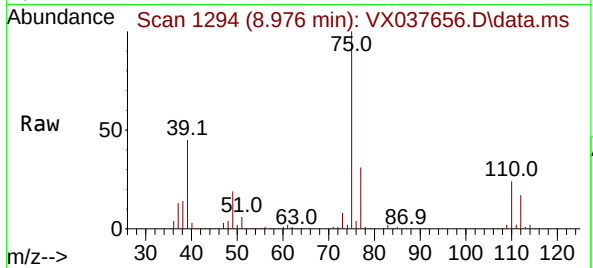
77 31.0 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#54

cis-1,3-Dichloropropene

Concen: 57.854 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

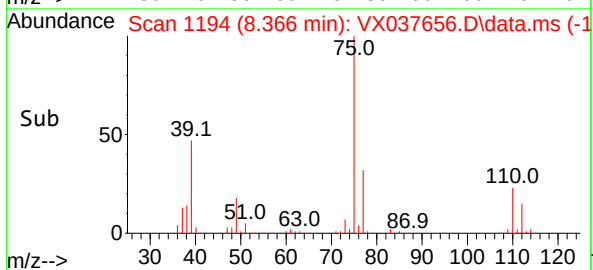
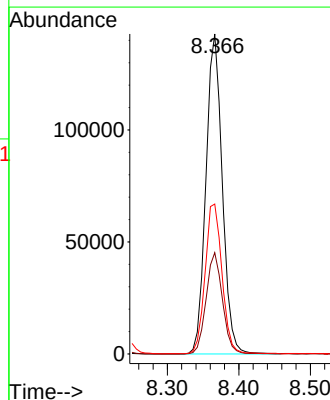
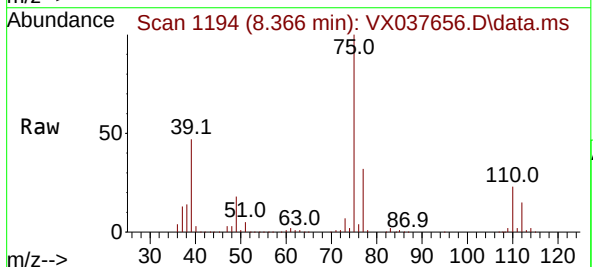
Tgt Ion: 75 Resp: 227084

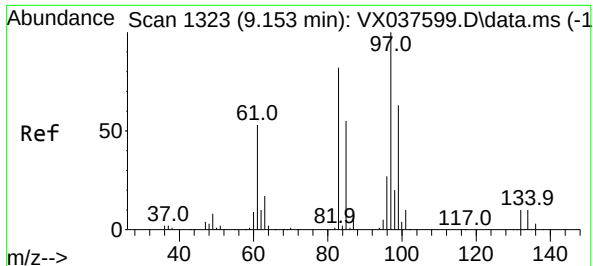
Ion Ratio Lower Upper

75 100

77 31.7 25.3 37.9

39 46.8 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 51.818 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 146319

Ion Ratio Lower Upper

97 100

83 86.8 65.8 98.8

85 54.8 41.6 62.4

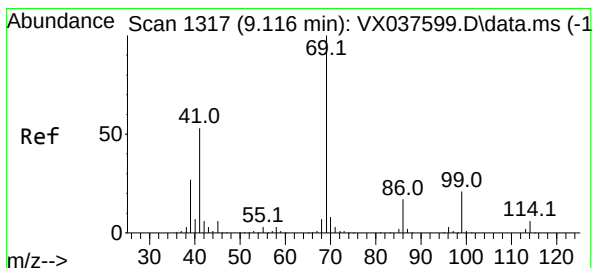
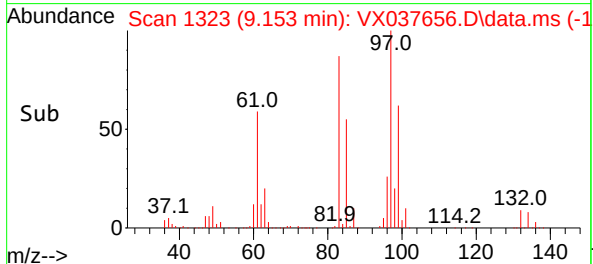
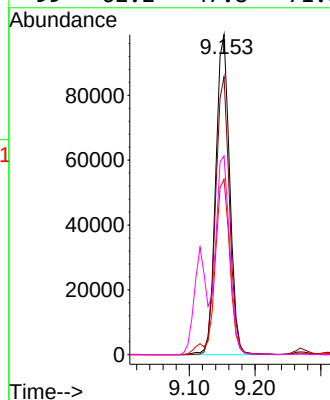
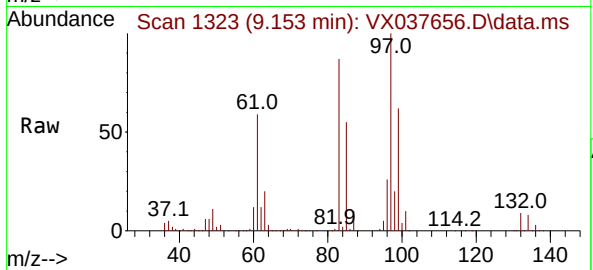
99 62.2 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#56

Ethyl methacrylate

Concen: 53.778 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

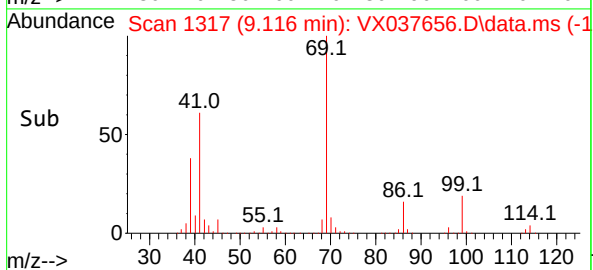
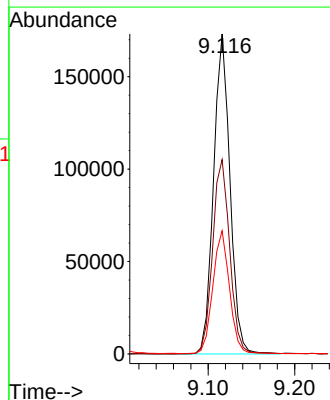
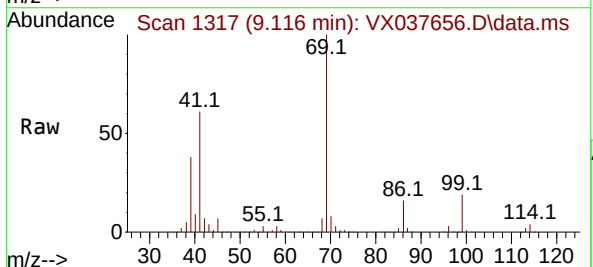
Tgt Ion: 69 Resp: 228206

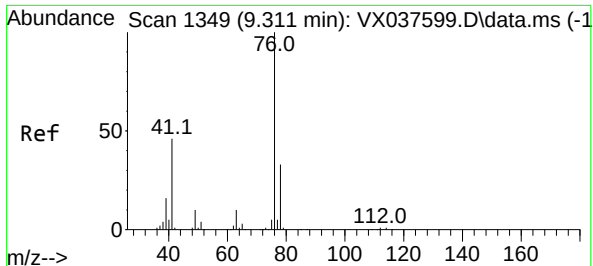
Ion Ratio Lower Upper

69 100

41 63.2 56.8 85.2

39 38.9 32.0 48.0





#57

1,3-Dichloropropane

Concen: 50.384 ug/l

RT: 9.305 min Scan# 1173

Delta R.T. -0.006 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 23683

Ion Ratio Lower Upper

76 100

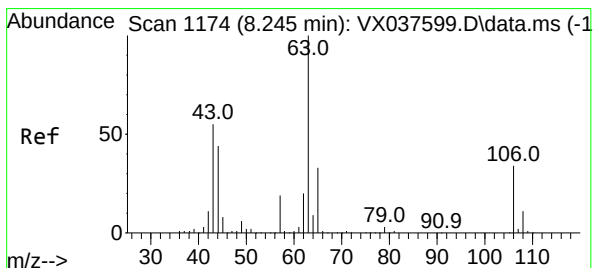
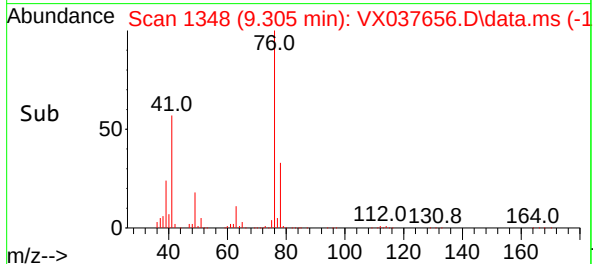
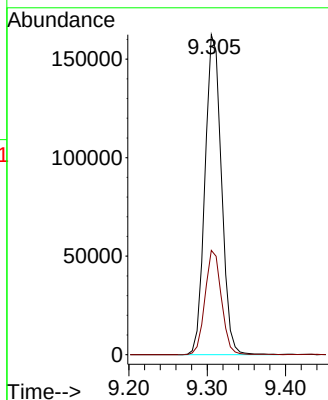
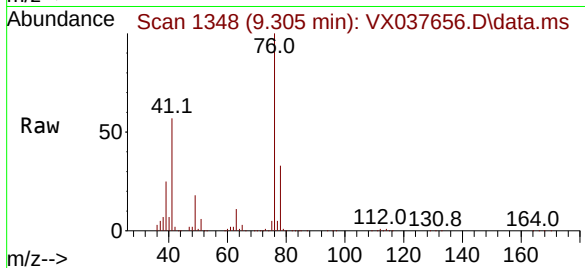
78 32.4 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#58

2-Chloroethyl Vinyl ether

Concen: 269.749 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.006 min

Lab File: VX037656.D

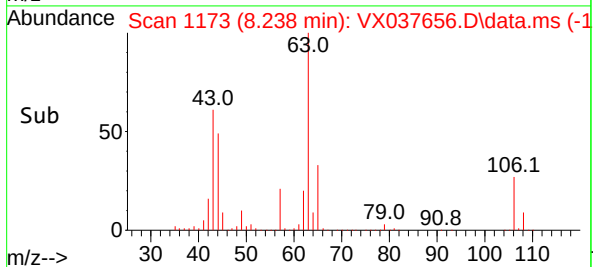
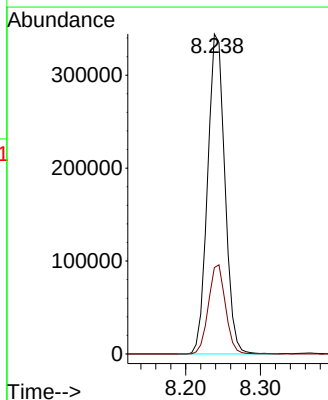
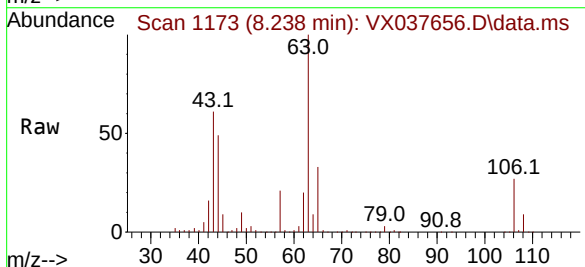
Acq: 12 Sep 2023 09:54

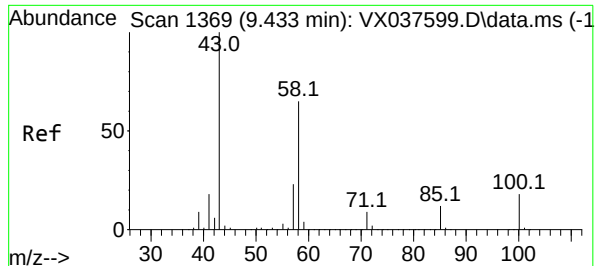
Tgt Ion: 63 Resp: 552478

Ion Ratio Lower Upper

63 100

106 27.5 22.5 33.7





#59

2-Hexanone

Concen: 260.330 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.006 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 819209

Ion Ratio Lower Upper

43 100

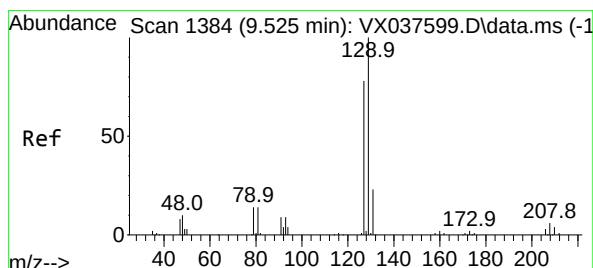
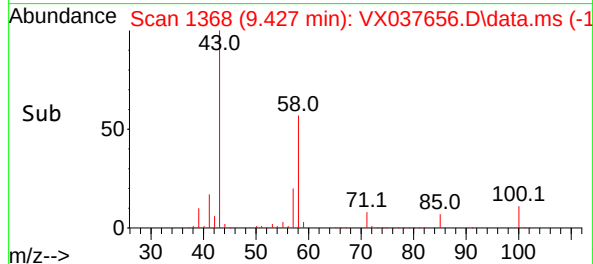
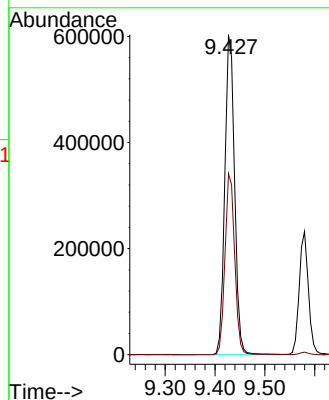
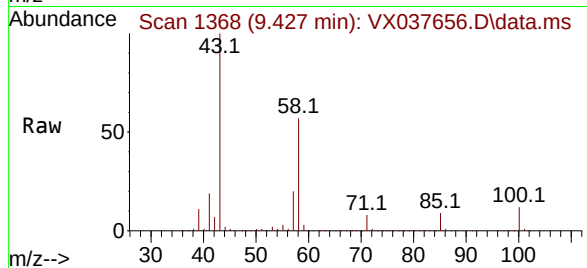
58 56.3 26.2 78.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#60

Dibromochloromethane

Concen: 56.438 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.006 min

Lab File: VX037656.D

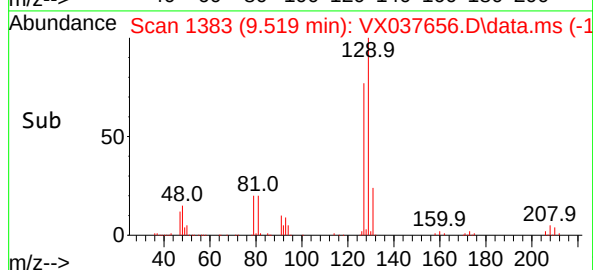
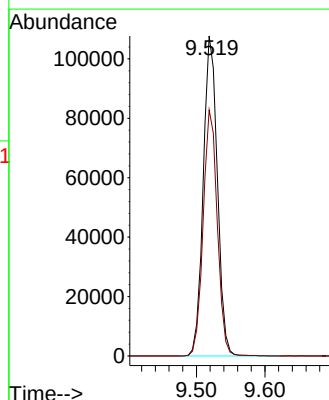
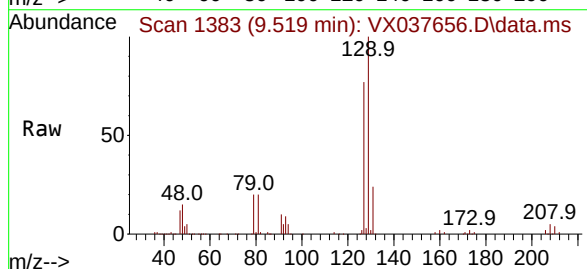
Acq: 12 Sep 2023 09:54

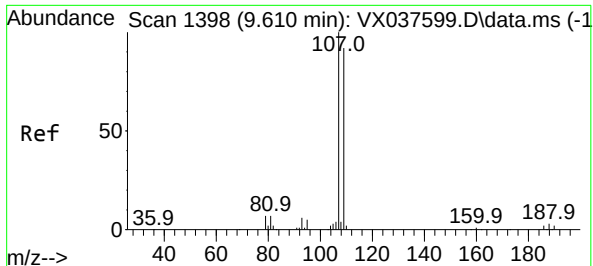
Tgt Ion:129 Resp: 154683

Ion Ratio Lower Upper

129 100

127 76.8 38.8 116.4





#61

1,2-Dibromoethane

Concen: 52.982 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDC050

Tgt Ion:107 Resp: 157750

Ion Ratio Lower Upper

107 100

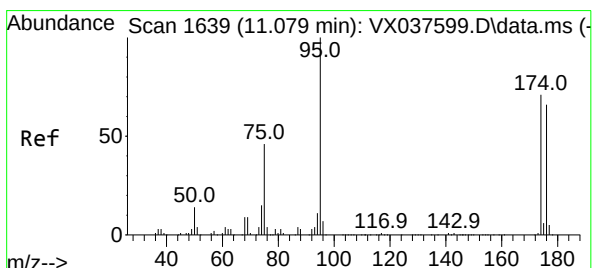
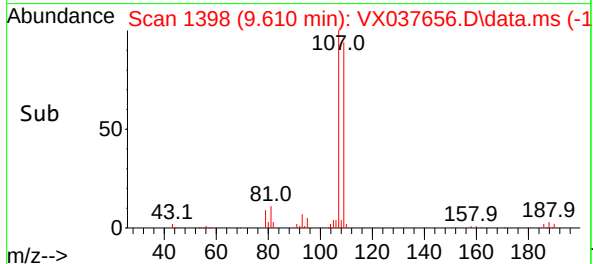
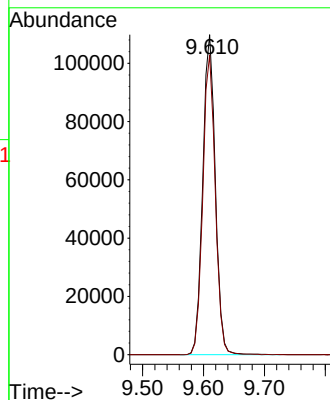
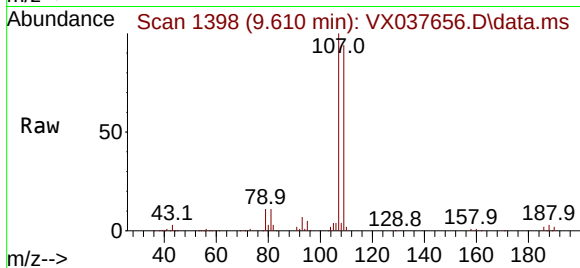
109 92.9 75.2 112.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#62

4-Bromofluorobenzene

Concen: 57.439 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

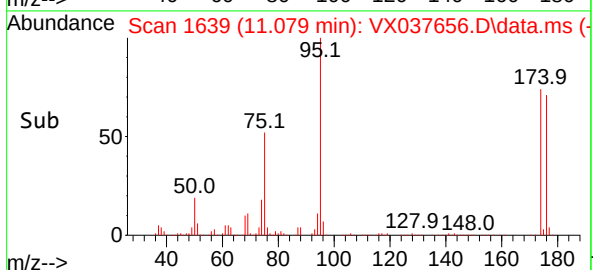
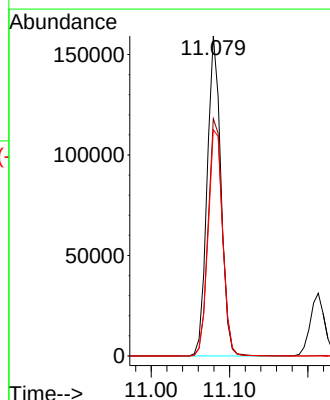
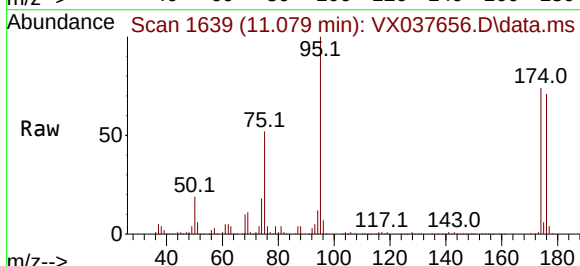
Tgt Ion: 95 Resp: 193428

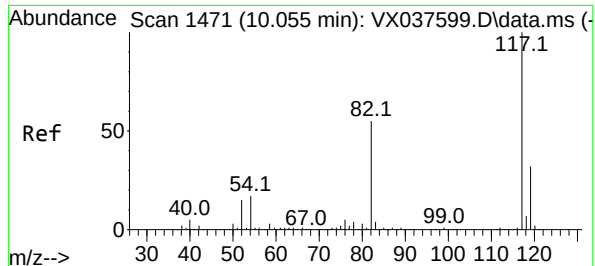
Ion Ratio Lower Upper

95 100

174 77.3 0.0 135.6

176 74.5 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:117 Resp: 334489

Ion Ratio Lower Upper

117 100

82 55.7 46.2 69.4

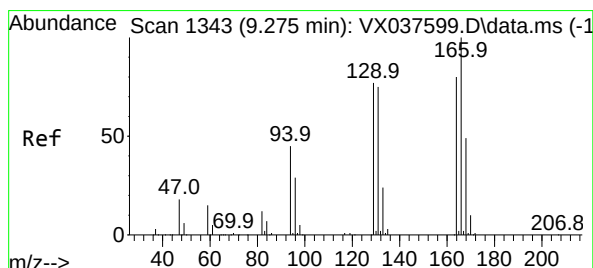
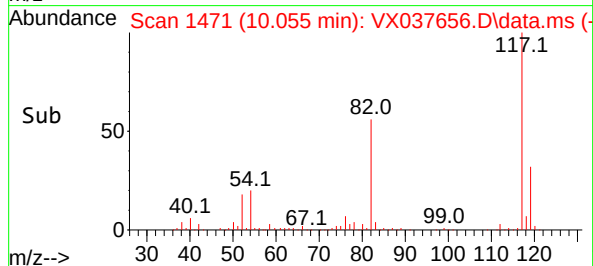
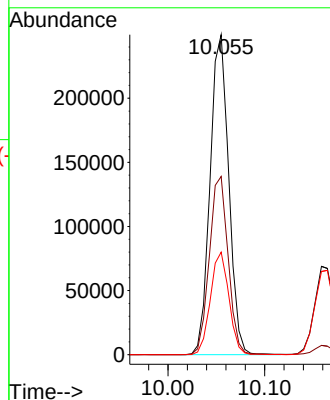
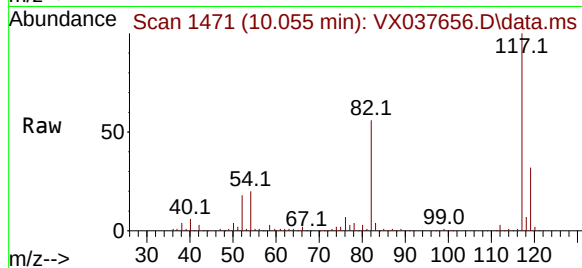
119 32.1 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#64

Tetrachloroethene

Concen: 54.438 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Tgt Ion:164 Resp: 116643

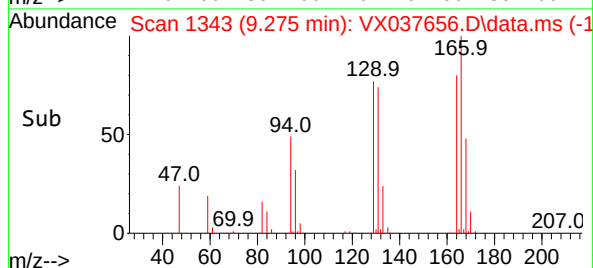
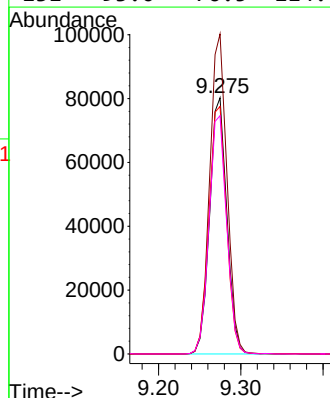
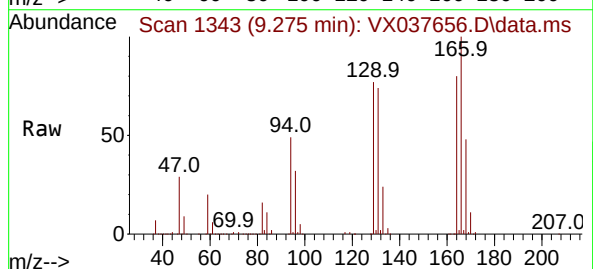
Ion Ratio Lower Upper

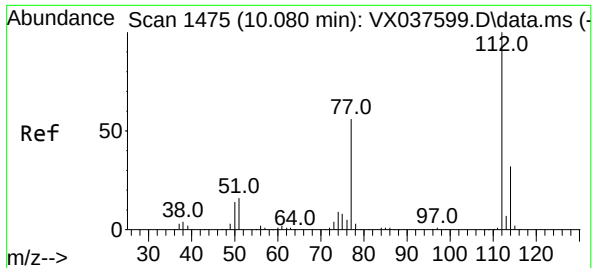
164 100

166 124.9 102.7 154.1

129 96.6 80.4 120.6

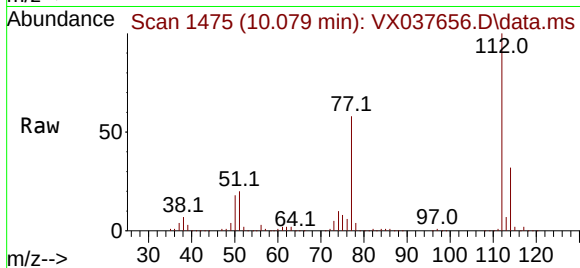
131 93.0 76.5 114.7





#65
Chlorobenzene
Concen: 52.372 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX037656.D
Acq: 12 Sep 2023 09:54

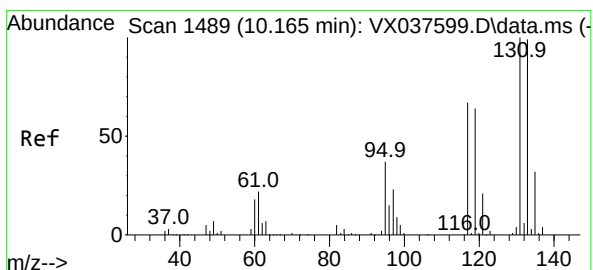
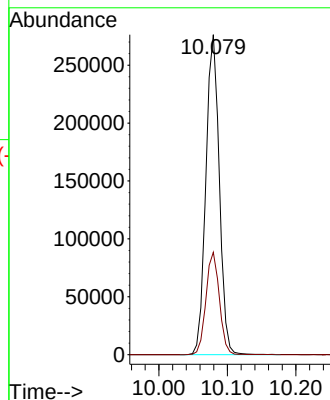
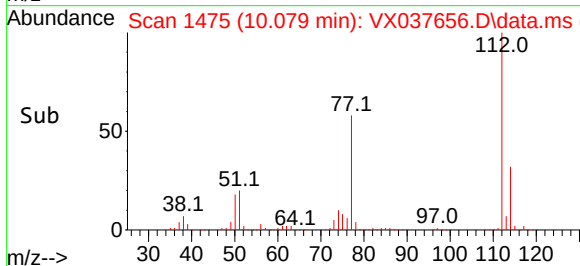
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



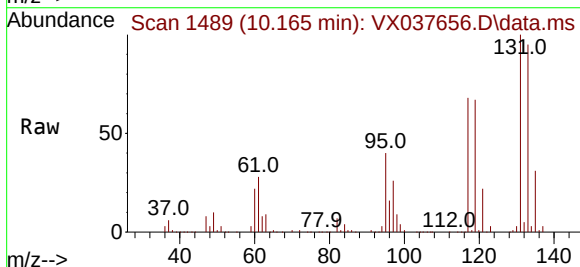
Tgt Ion:112 Resp: 377650
Ion Ratio Lower Upper
112 100
114 32.0 25.7 38.5

Manual Integrations
APPROVED

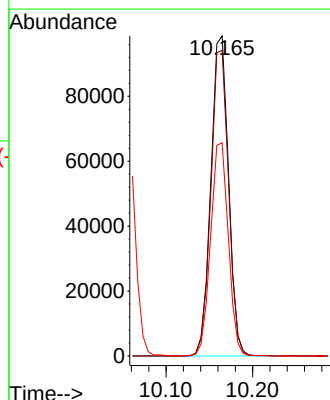
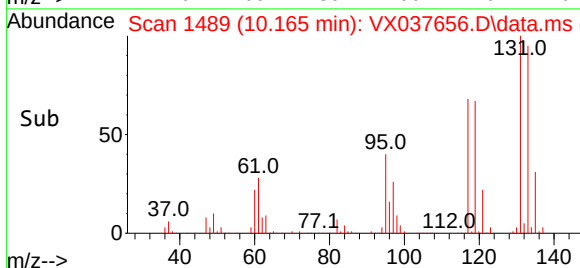
Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023

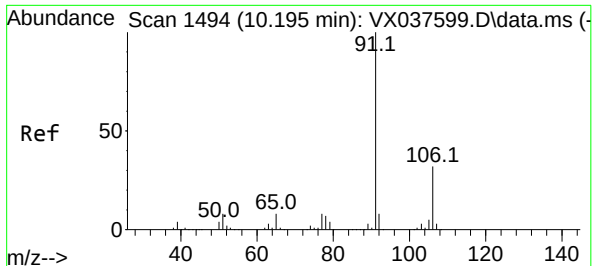


#66
1,1,1,2-Tetrachloroethane
Concen: 55.557 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VX037656.D
Acq: 12 Sep 2023 09:54



Tgt Ion:131 Resp: 139812
Ion Ratio Lower Upper
131 100
133 95.5 47.1 141.4
119 66.8 32.2 96.6





#67

Ethyl Benzene

Concen: 54.043 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 69300

Ion Ratio Lower Upper

91 100

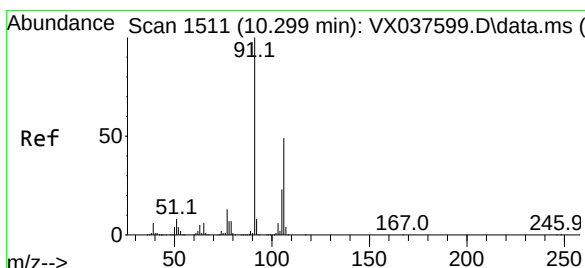
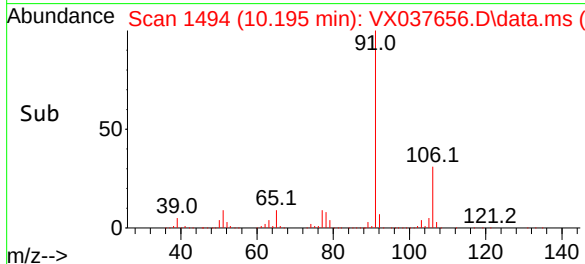
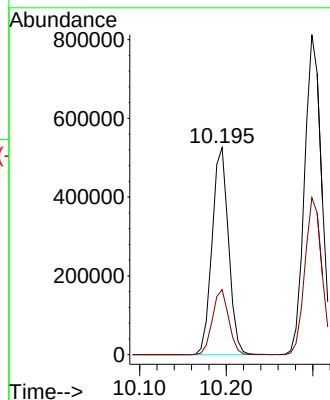
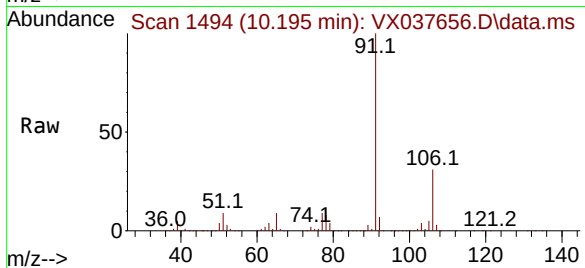
106 31.5 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#68

m/p-Xylenes

Concen: 110.826 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX037656.D

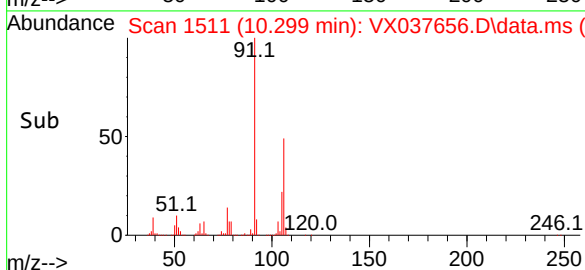
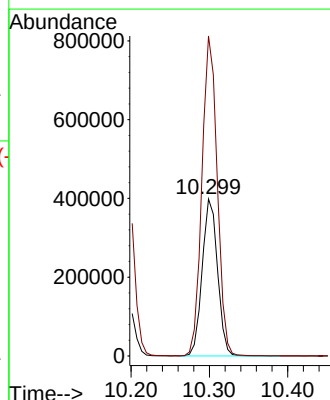
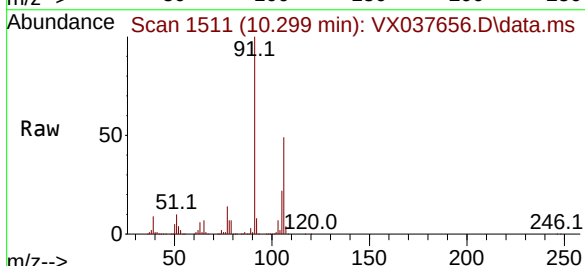
Acq: 12 Sep 2023 09:54

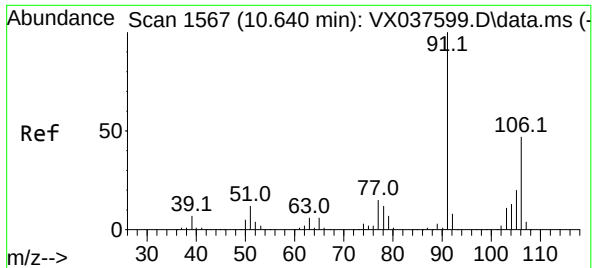
Tgt Ion:106 Resp: 541507

Ion Ratio Lower Upper

106 100

91 203.6 165.5 248.3





#69

o-Xylene

Concen: 54.948 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:106 Resp: 26622

Ion Ratio Lower Upper

106 100

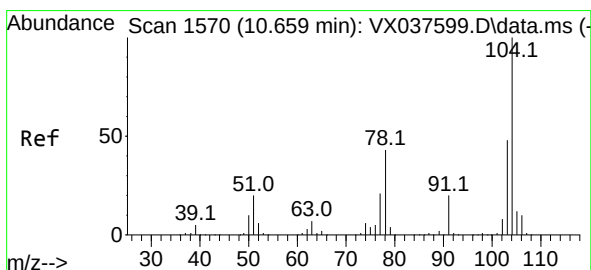
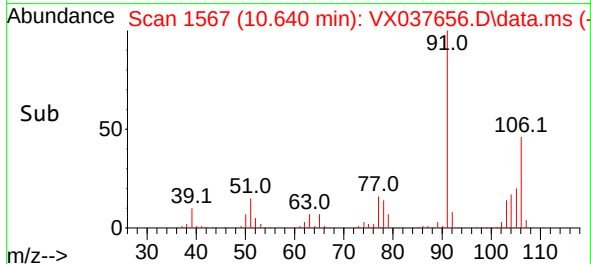
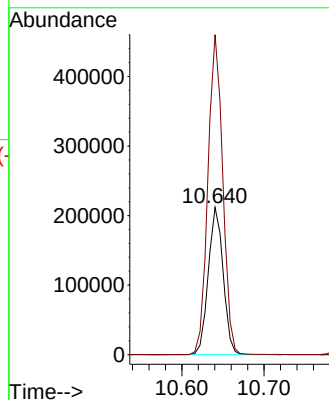
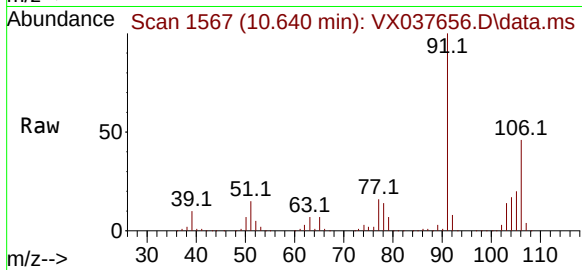
91 216.0 108.9 326.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#70

Styrene

Concen: 55.932 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.007 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

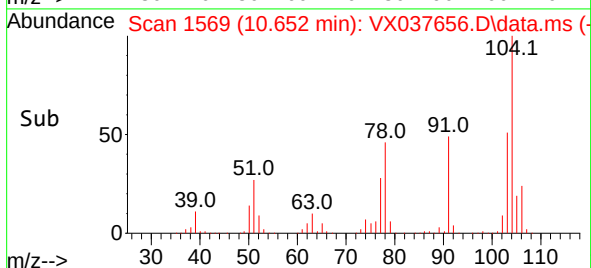
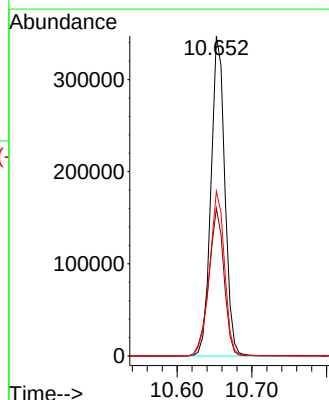
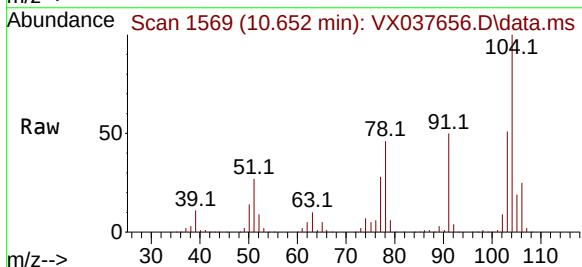
Tgt Ion:104 Resp: 447084

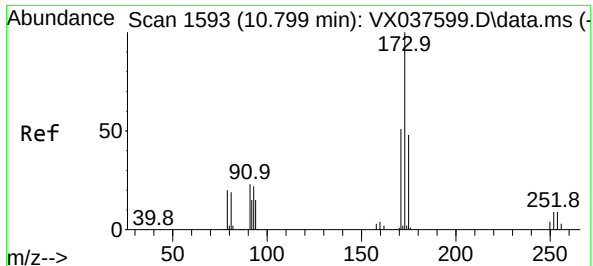
Ion Ratio Lower Upper

104 100

78 50.6 43.6 65.4

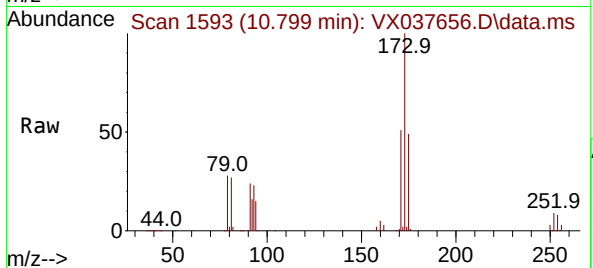
103 55.8 43.6 65.4





#71
Bromoform
Concen: 59.315 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX037656.D
Acq: 12 Sep 2023 09:54

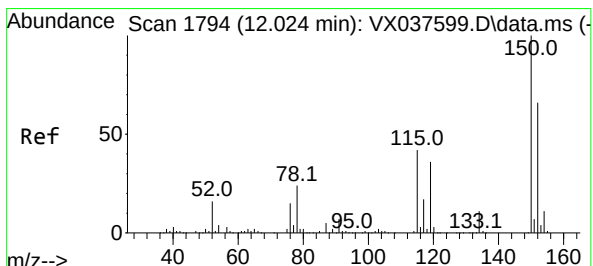
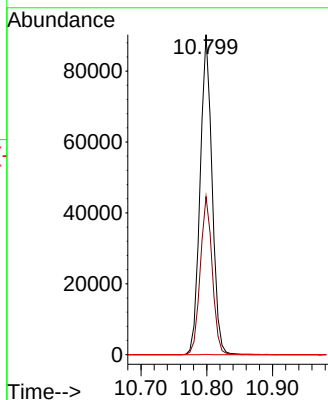
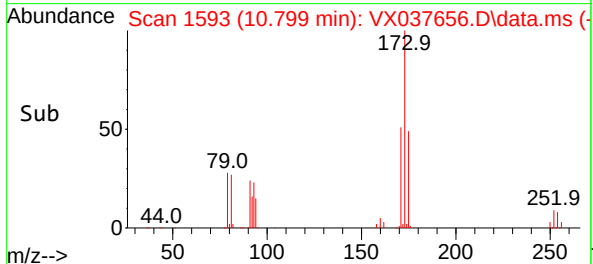
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



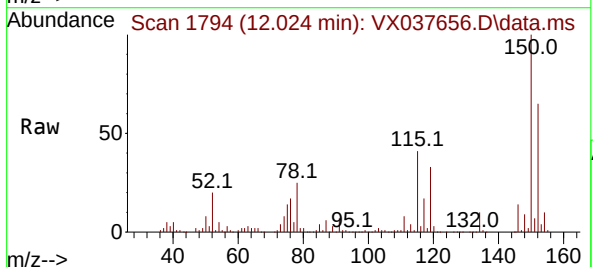
Tgt Ion:173 Resp: 114100
Ion Ratio Lower Upper
173 100
175 49.3 24.1 72.4
254 0.1 0.0 0.0

Manual Integrations
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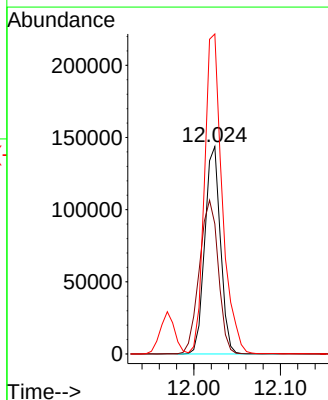
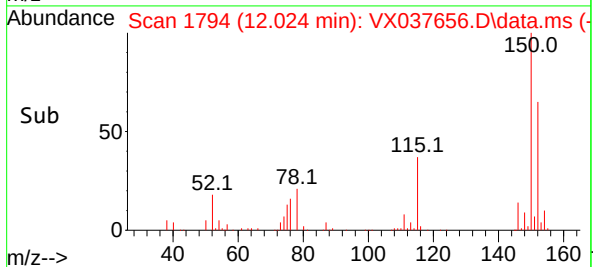
Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023

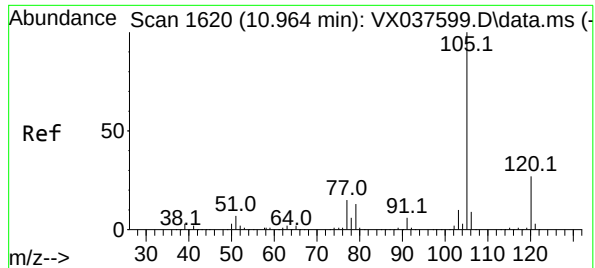


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037656.D
Acq: 12 Sep 2023 09:54



Tgt Ion:152 Resp: 179746
Ion Ratio Lower Upper
152 100
115 90.3 43.3 129.9
150 174.9 0.0 345.0





#73

Isopropylbenzene

Concen: 52.488 ug/l

RT: 10.963 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 70999

Ion Ratio Lower Upper

105 100

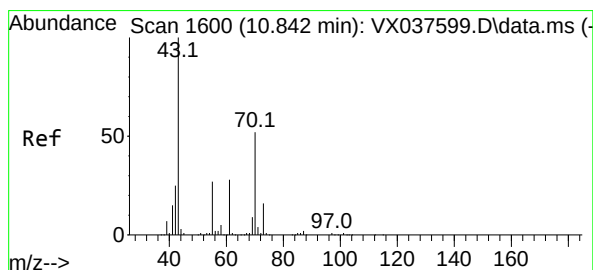
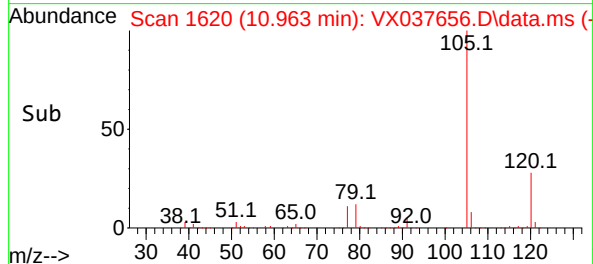
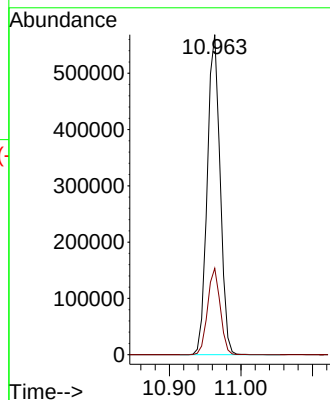
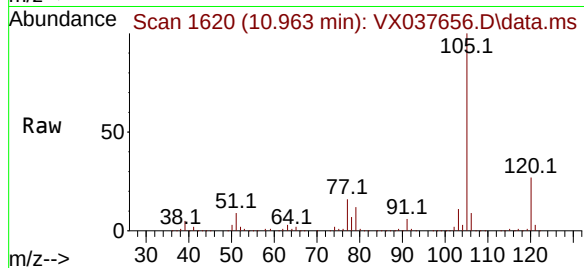
120 26.5 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#74

N-ethyl acetate

Concen: 50.542 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Tgt Ion: 43 Resp: 301803

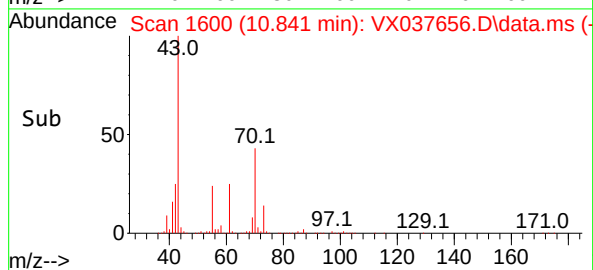
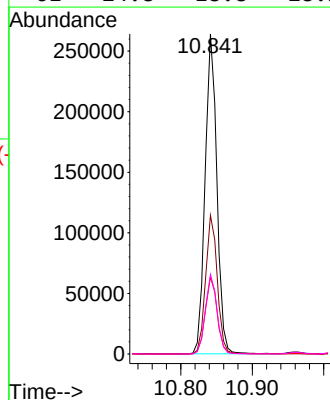
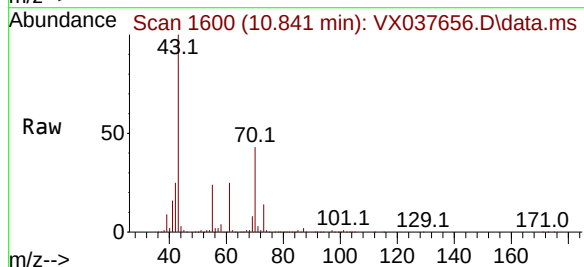
Ion Ratio Lower Upper

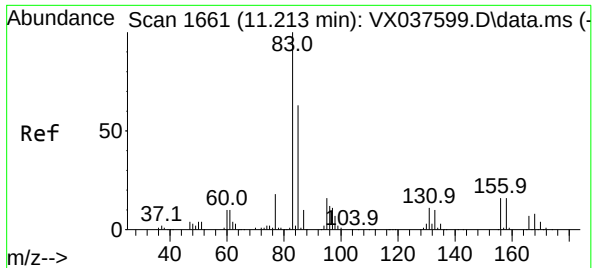
43 100

70 43.4 32.9 49.3

55 24.4 19.3 28.9

61 24.8 18.8 28.2





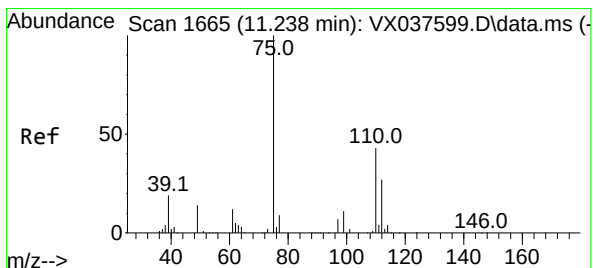
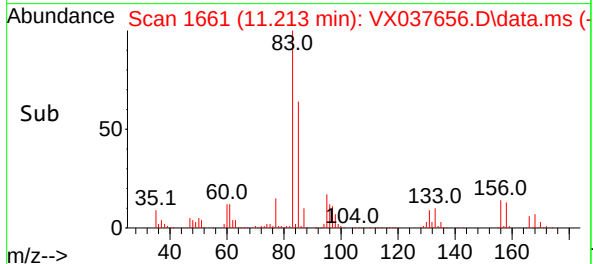
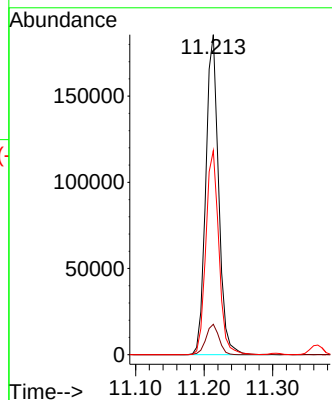
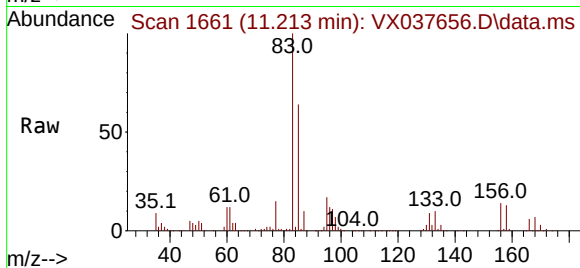
#75
1,1,2,2-Tetrachloroethane
Concen: 47.125 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX037656.D
Acq: 12 Sep 2023 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 24168
Ion Ratio Lower Upper
83 100
131 9.7 5.3 15.8
85 64.8 32.0 96.2

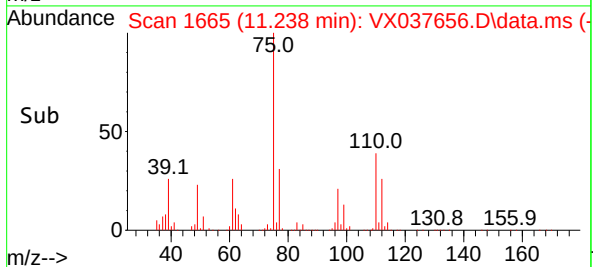
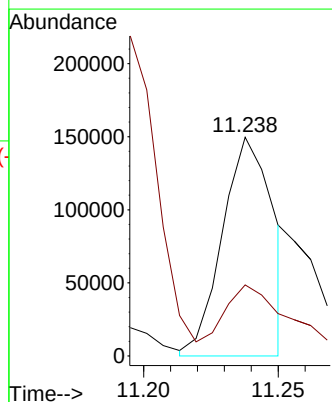
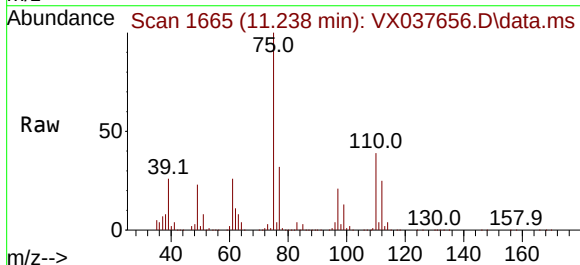
Manual Integrations
APPROVED

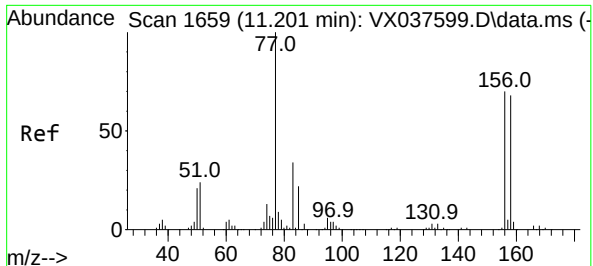
Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023



#76
1,2,3-Trichloropropane
Concen: 48.184 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX037656.D
Acq: 12 Sep 2023 09:54

Tgt Ion: 75 Resp: 195778
Ion Ratio Lower Upper
75 100
77 43.3 19.1 57.5





#77

Bromobenzene

Concen: 51.626 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.006 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:156 Resp: 167598

Ion Ratio Lower Upper

156 100

77 163.7 88.4 265.3

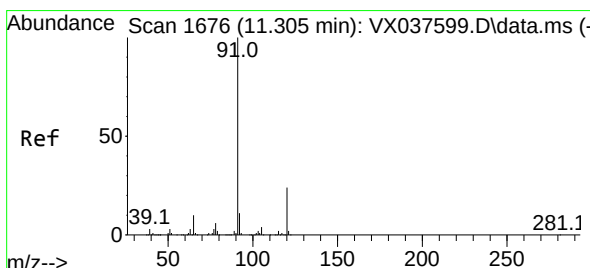
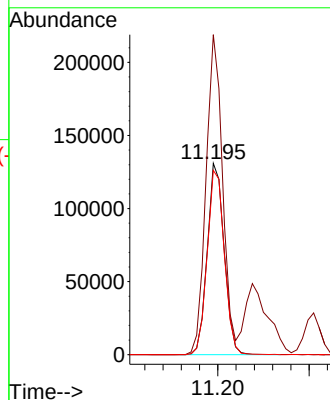
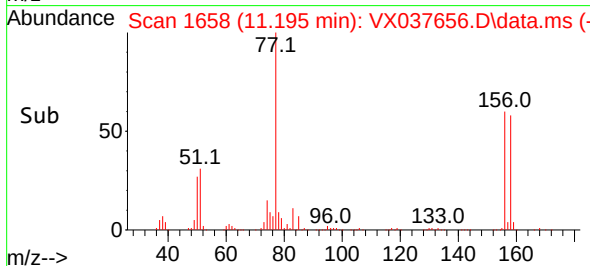
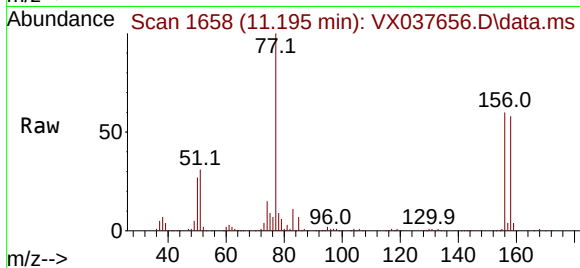
158 97.9 48.0 144.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#78

n-propylbenzene

Concen: 54.452 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX037656.D

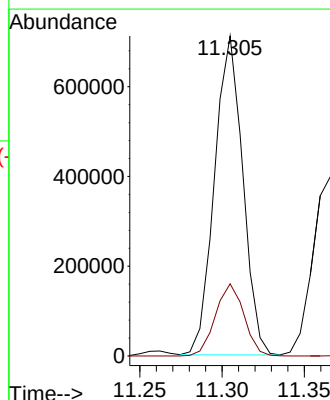
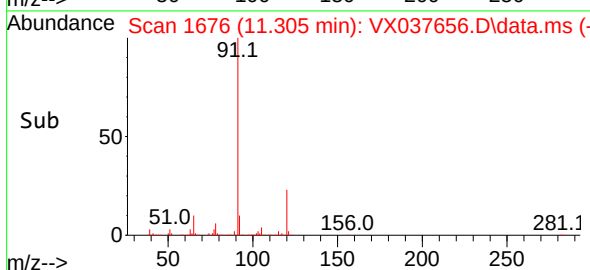
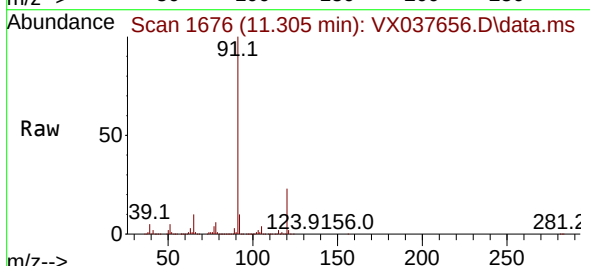
Acq: 12 Sep 2023 09:54

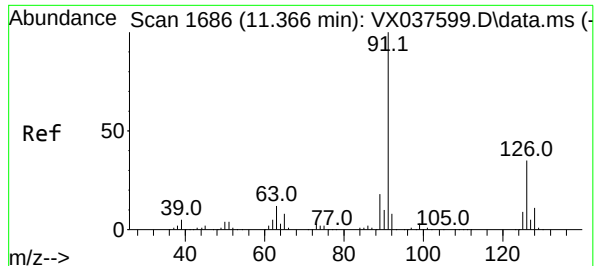
Tgt Ion: 91 Resp: 850106

Ion Ratio Lower Upper

91 100

120 22.8 11.5 34.4





#79

2-Chlorotoluene

Concen: 51.656 ug/l

RT: 11.366 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 49595

Ion Ratio Lower Upper

91 100

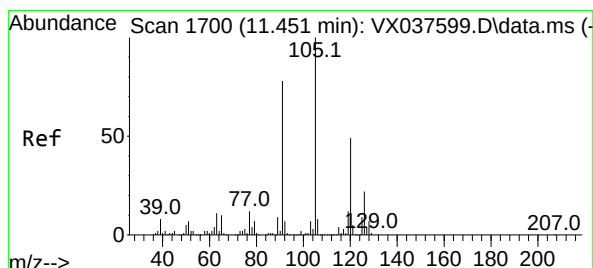
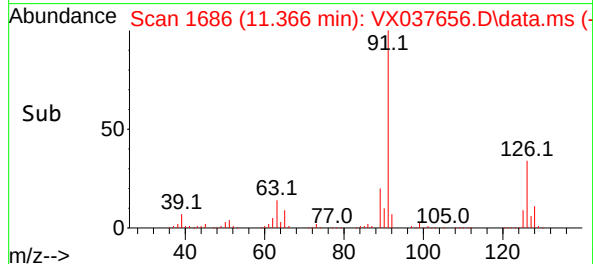
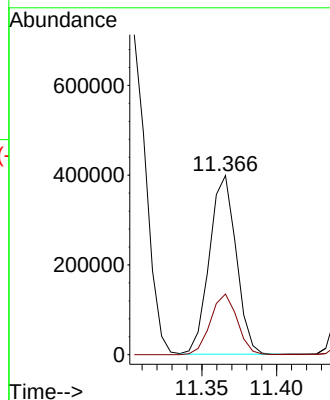
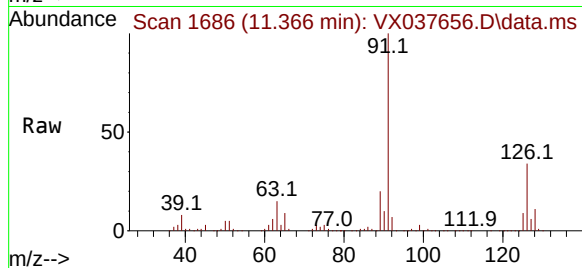
126 33.9 16.3 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#80

1,3,5-Trimethylbenzene

Concen: 53.505 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX037656.D

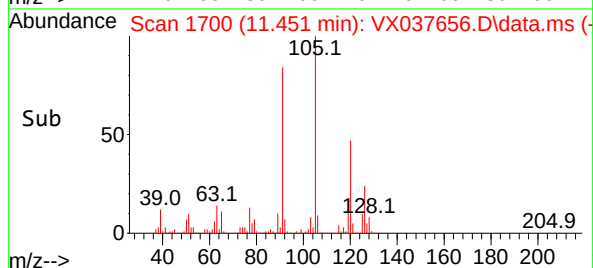
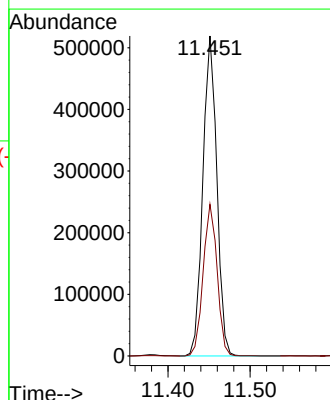
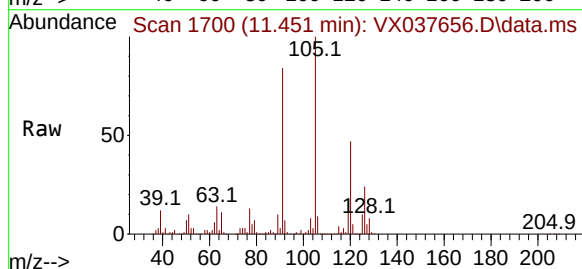
Acq: 12 Sep 2023 09:54

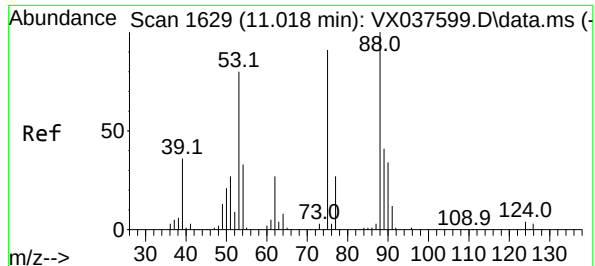
Tgt Ion:105 Resp: 611392

Ion Ratio Lower Upper

105 100

120 47.5 24.1 72.3





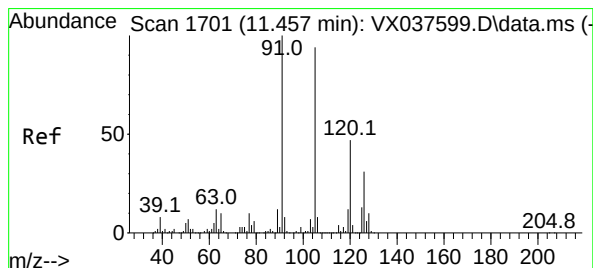
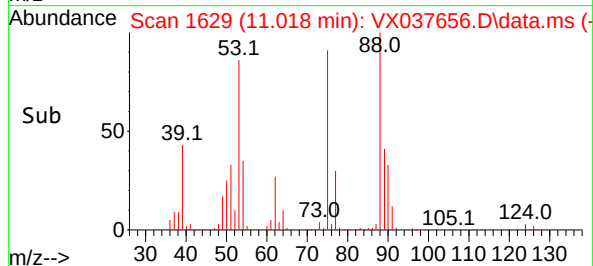
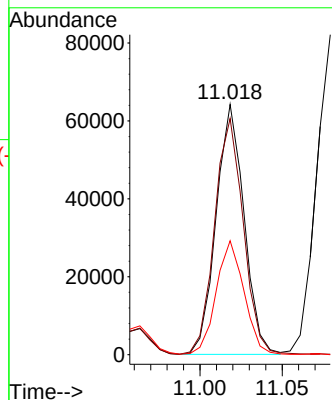
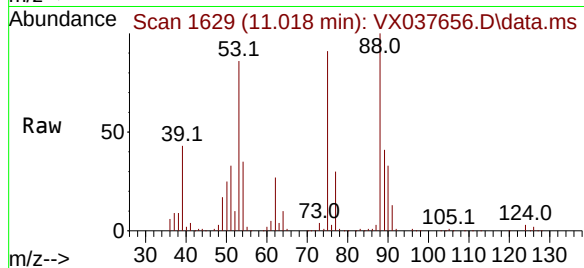
#81
trans-1,4-Dichloro-2-butene
Concen: 58.267 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX037656.D
Acq: 12 Sep 2023 09:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 7574
Ion Ratio Lower Upper
75 100
53 97.1 90.5 135.7
89 45.3 36.9 55.3

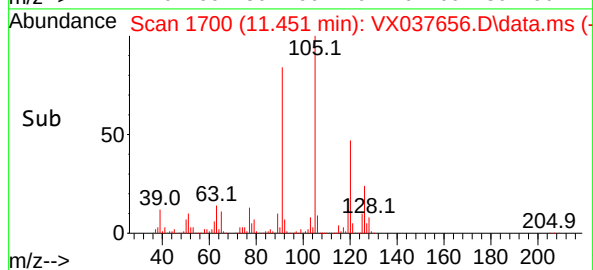
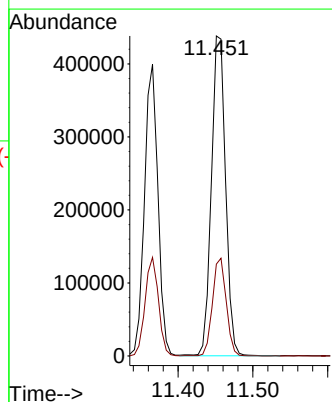
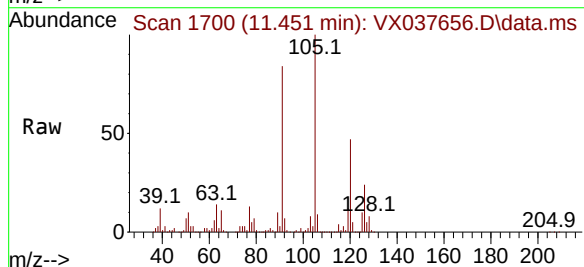
Manual Integrations
APPROVED

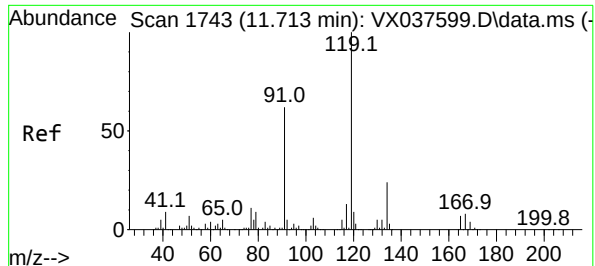
Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023



#82
4-Chlorotoluene
Concen: 52.829 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX037656.D
Acq: 12 Sep 2023 09:54

Tgt Ion: 91 Resp: 577294
Ion Ratio Lower Upper
91 100
126 29.7 14.2 42.6





#83

tert-Butylbenzene

Concen: 53.413 ug/l

RT: 11.713 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 60856

Ion Ratio Lower Upper

119 100

91 59.3 31.2 93.6

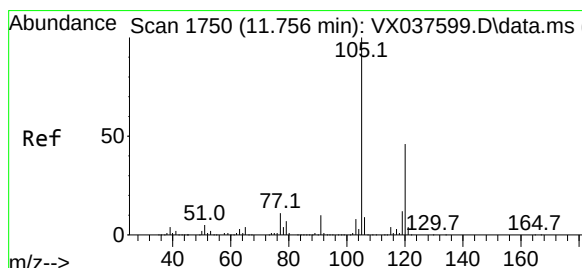
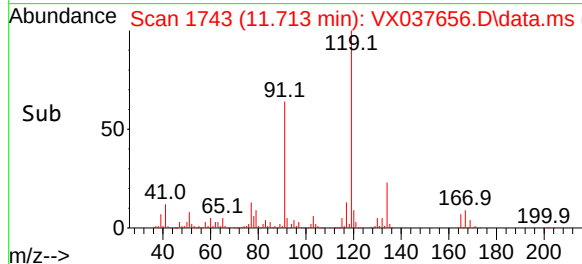
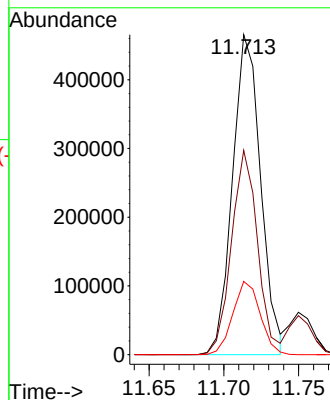
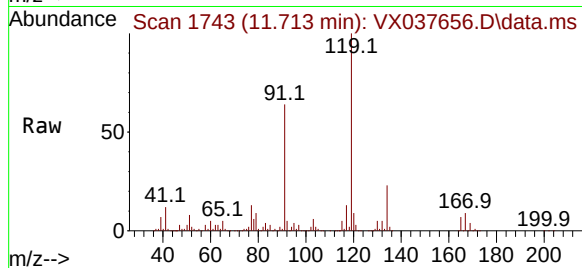
134 22.3 11.7 35.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#84

1,2,4-Trimethylbenzene

Concen: 53.849 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.006 min

Lab File: VX037656.D

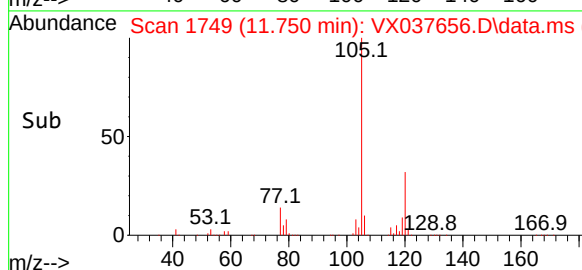
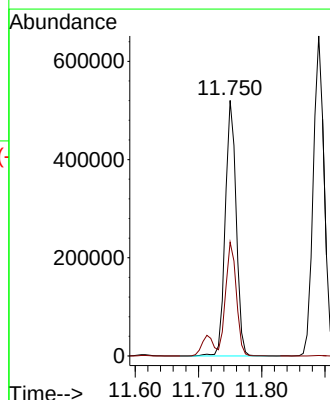
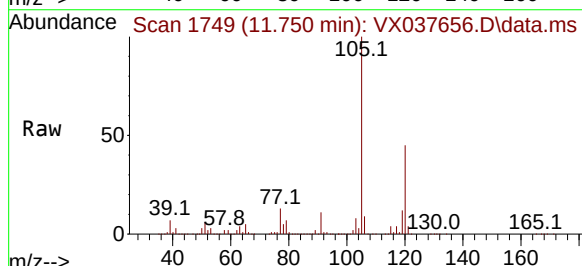
Acq: 12 Sep 2023 09:54

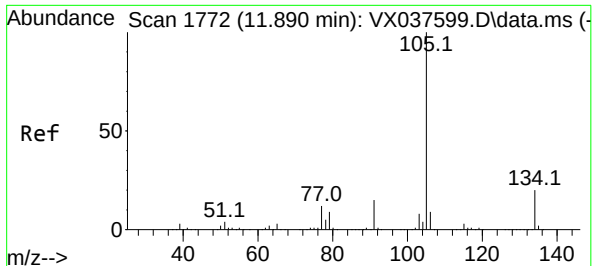
Tgt Ion:105 Resp: 618001

Ion Ratio Lower Upper

105 100

120 43.6 21.2 63.6





#85

sec-Butylbenzene

Concen: 55.351 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 781658

Ion Ratio Lower Upper

105 100

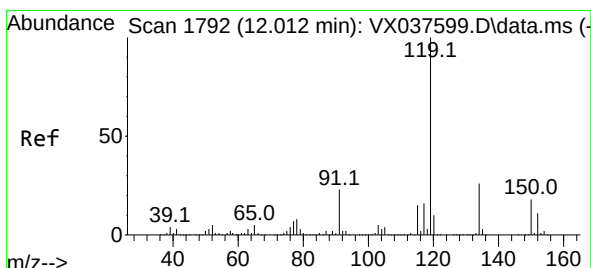
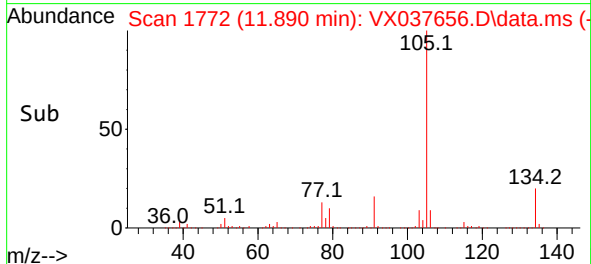
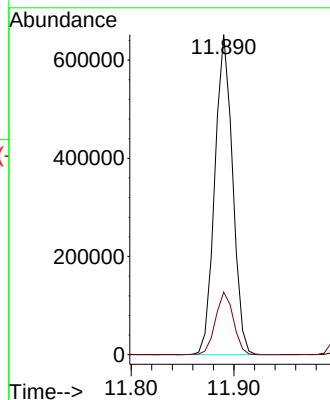
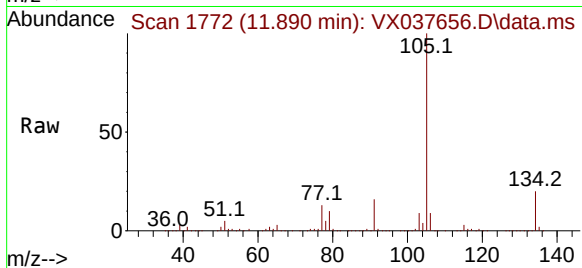
134 19.7 9.8 29.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#86

p-Isopropyltoluene

Concen: 56.523 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

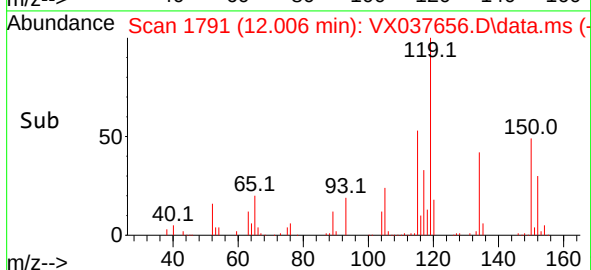
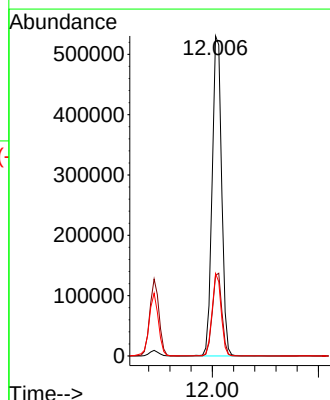
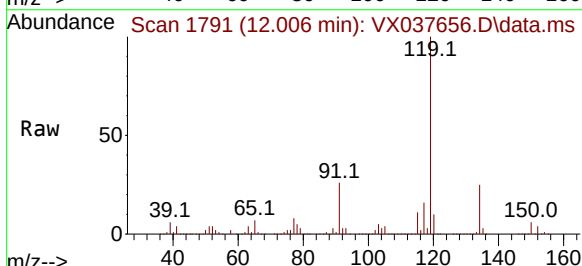
Tgt Ion:119 Resp: 657303

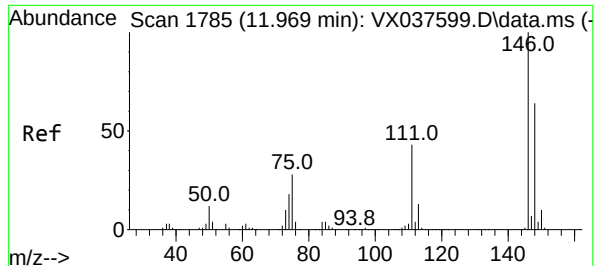
Ion Ratio Lower Upper

119 100

134 25.9 12.8 38.3

91 24.6 13.1 39.3





#87

1,3-Dichlorobenzene

Concen: 53.150 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 327829

Ion Ratio Lower Upper

146 100

111 41.0 22.1 66.1

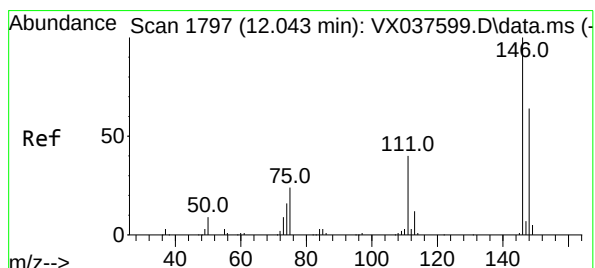
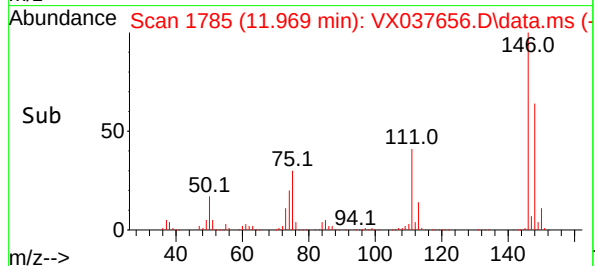
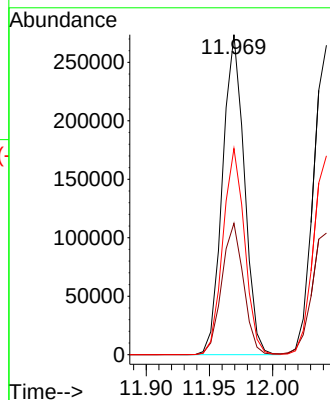
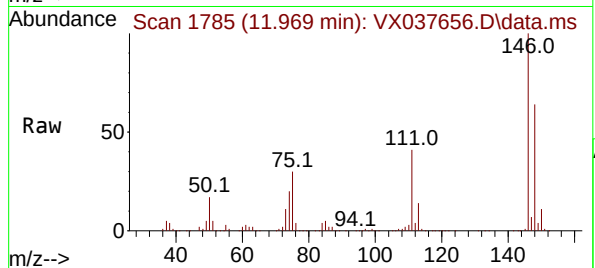
148 64.0 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#88

1,4-Dichlorobenzene

Concen: 51.374 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

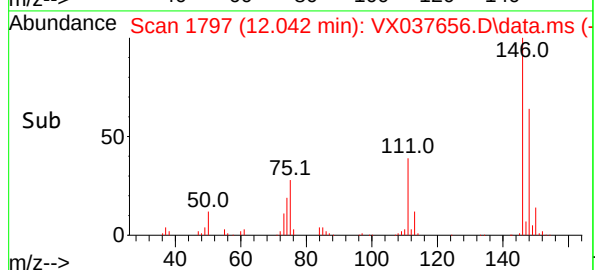
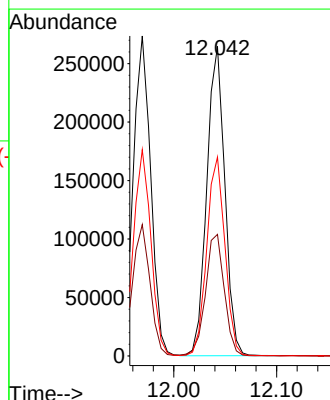
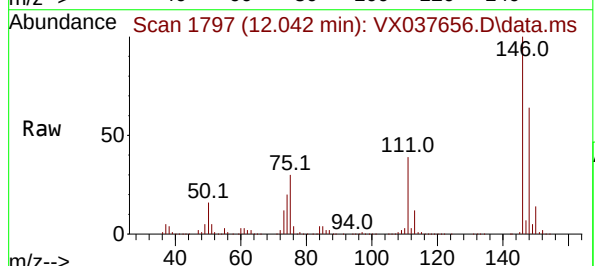
Tgt Ion:146 Resp: 322597

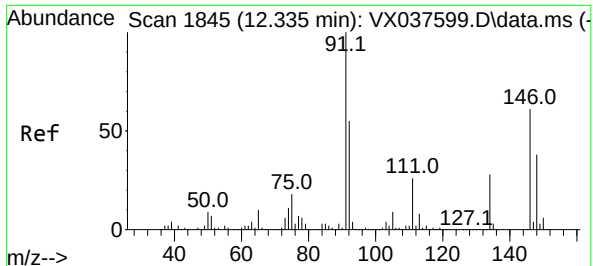
Ion Ratio Lower Upper

146 100

111 41.1 21.3 63.7

148 64.9 31.8 95.4





#89

n-Butylbenzene

Concen: 58.530 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 60930

Ion Ratio Lower Upper

91 100

92 52.0 27.4 82.0

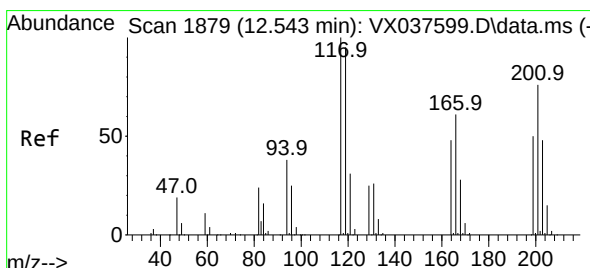
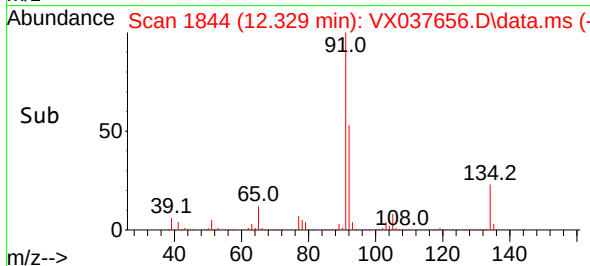
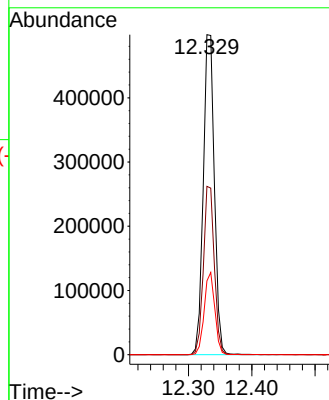
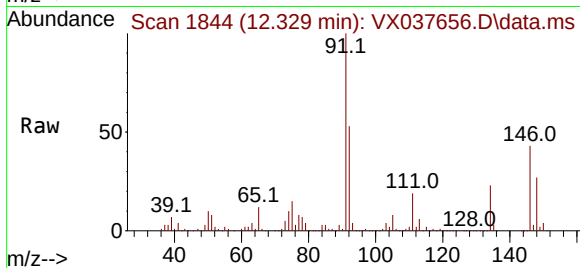
134 24.6 12.6 37.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#90

Hexachloroethane

Concen: 58.034 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.006 min

Lab File: VX037656.D

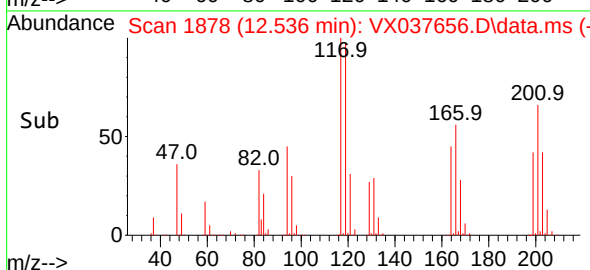
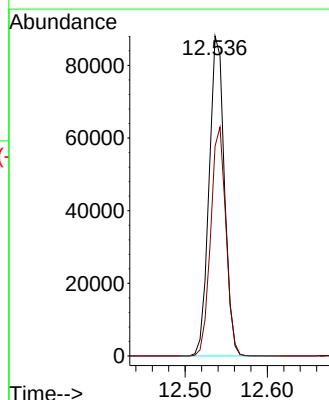
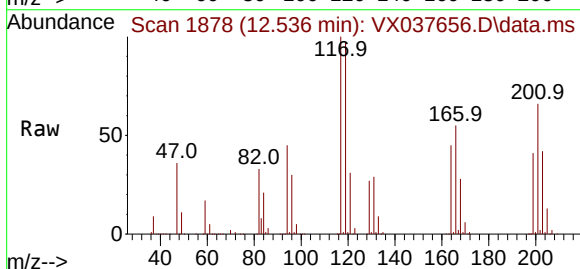
Acq: 12 Sep 2023 09:54

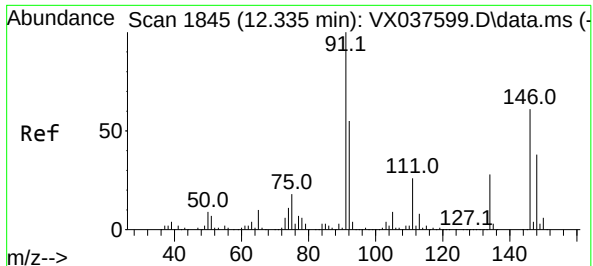
Tgt Ion:117 Resp: 114099

Ion Ratio Lower Upper

117 100

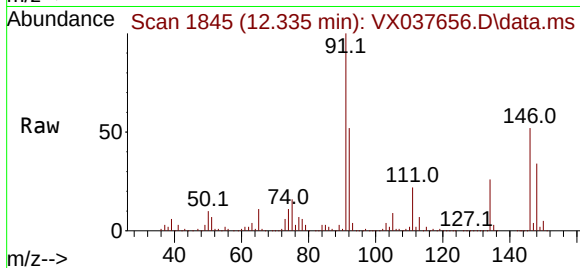
201 71.0 32.9 98.6





#91
1,2-Dichlorobenzene
Concen: 51.020 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX037656.D
Acq: 12 Sep 2023 09:54

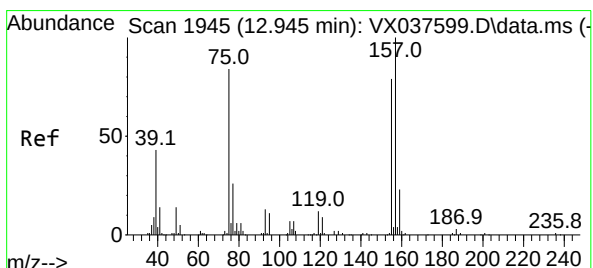
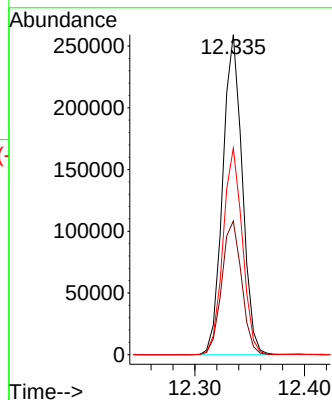
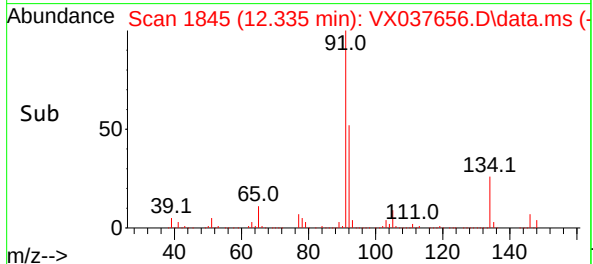
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



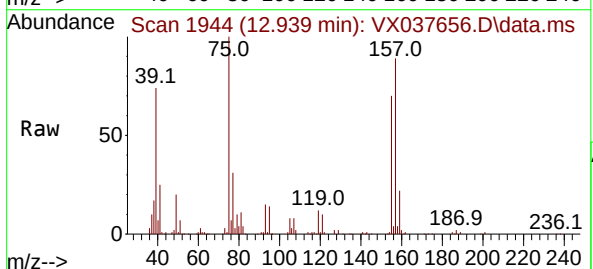
Tgt Ion:146 Resp: 320000
Ion Ratio Lower Upper
146 100
111 42.6 22.4 67.0
148 64.3 31.6 95.0

Manual Integrations
APPROVED

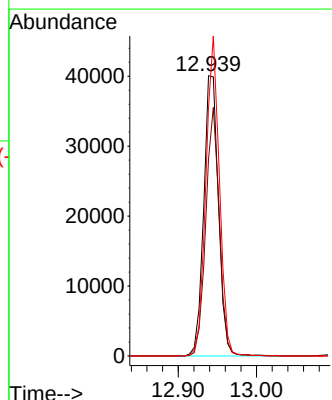
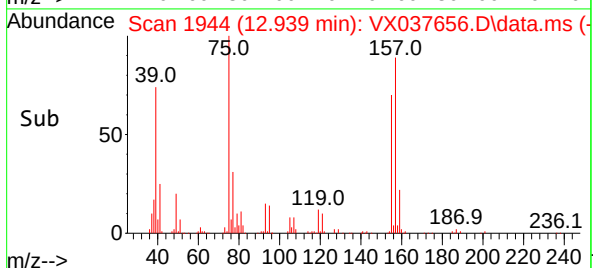
Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023

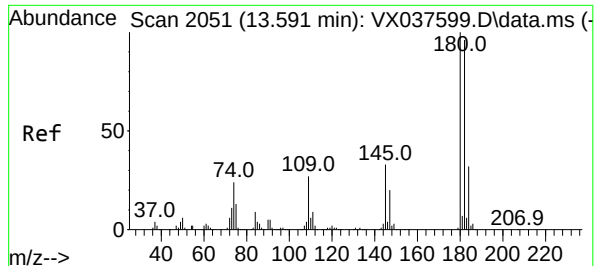


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.584 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX037656.D
Acq: 12 Sep 2023 09:54



Tgt Ion: 75 Resp: 52332
Ion Ratio Lower Upper
75 100
155 81.6 36.1 108.5
157 104.9 44.9 134.7





#93

1,2,4-Trichlorobenzene

Concen: 55.342 ug/l

RT: 13.585 min Scan# 2051

Delta R.T. -0.006 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

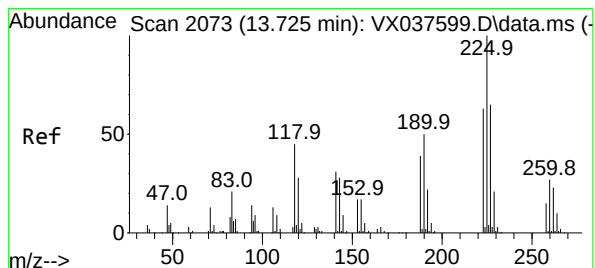
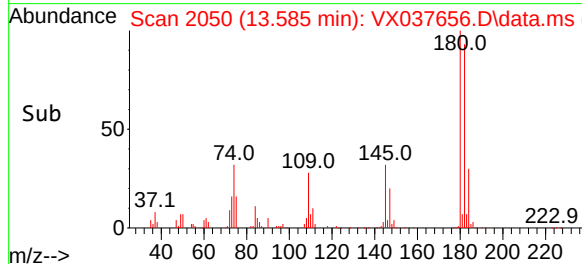
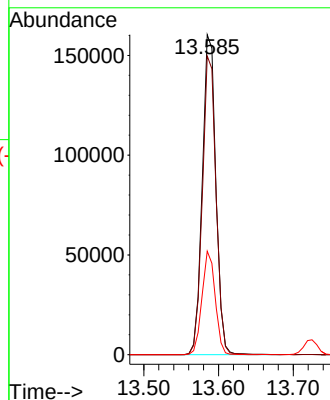
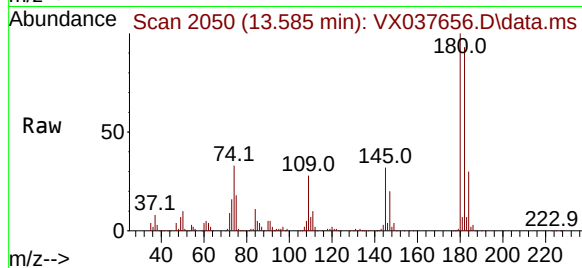
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.3	144.8
145	31.6	18.0	54.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#94

Hexachlorobutadiene

Concen: 56.003 ug/l

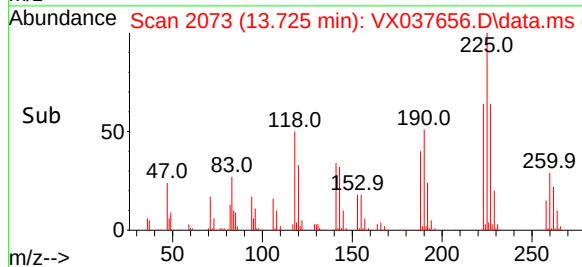
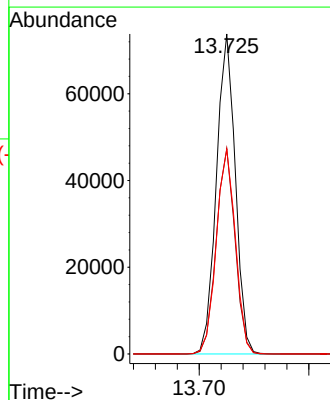
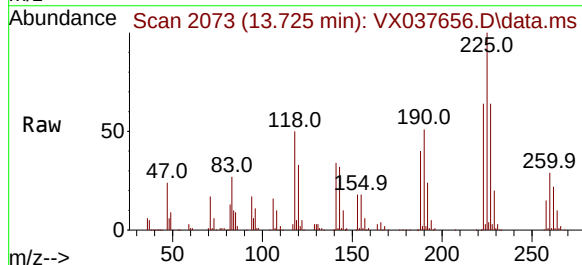
RT: 13.725 min Scan# 2073

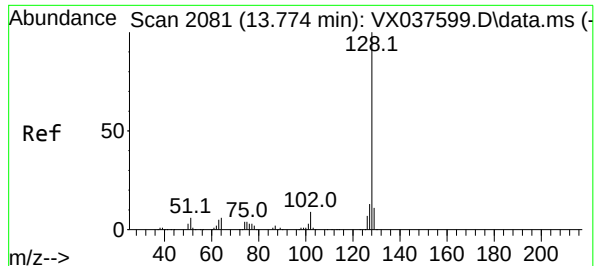
Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.1	93.2
227	64.6	32.5	97.5





#95

Naphthalene

Concen: 51.405 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:128 Resp: 677902

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

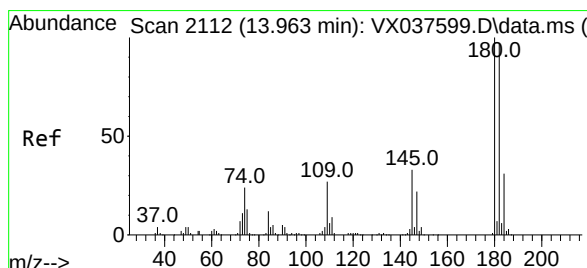
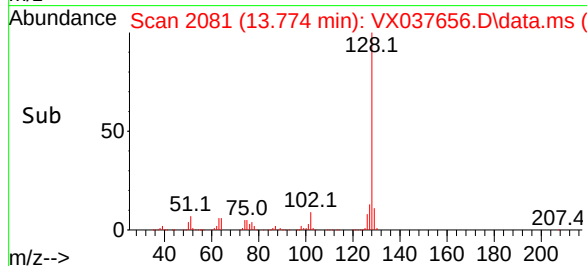
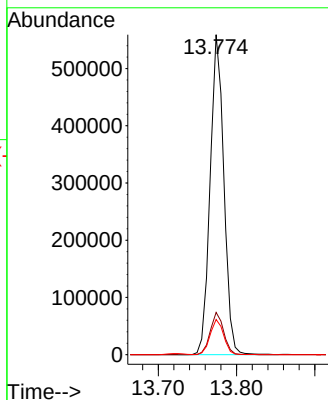
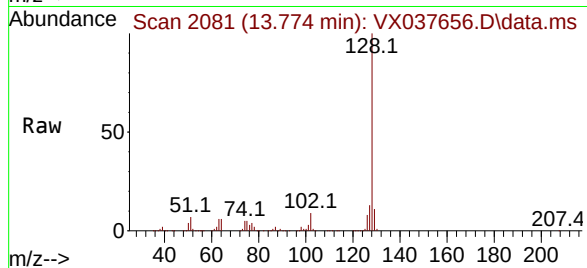
129 10.9 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#96

1,2,3-Trichlorobenzene

Concen: 53.024 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX037656.D

Acq: 12 Sep 2023 09:54

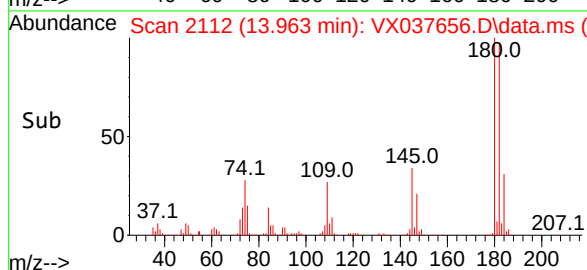
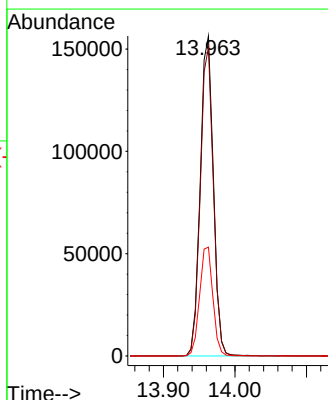
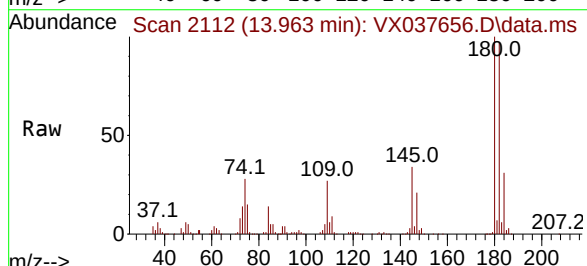
Tgt Ion:180 Resp: 199199

Ion Ratio Lower Upper

180 100

182 95.8 46.9 140.6

145 34.4 17.8 53.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037656.D
Acq On : 12 Sep 2023 09:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 12 10:26:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 09:13:03 2023
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	128	0.00
2 T	Dichlorodifluoromethane	0.548	0.570	-4.0	133	0.00
3 P	Chloromethane	0.625	0.588	5.9	125	0.00
4 C	Vinyl Chloride	0.703	0.658	6.4#	123	0.00
5 T	Bromomethane	0.588	0.527	10.4	113	0.00
6 T	Chloroethane	0.483	0.408	15.5	117	0.00
7 T	Trichlorofluoromethane	1.162	1.161	0.1	123	0.00
8 T	Diethyl Ether	0.461	0.419	9.1	114	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.521	0.542	-4.0	135	0.00
10 T	Methyl Iodide	0.615	0.653	-6.2	132	0.00
11 T	Tert butyl alcohol	0.184	0.157	14.7	117	0.00
12 CM	1,1-Dichloroethene	0.514	0.503	2.1#	130	0.00
13 T	Acrolein	0.132	0.131	0.8	125	0.00
14 T	Allyl chloride	0.901	0.900	0.1	129	0.00
15 T	Acrylonitrile	0.371	0.344	7.3	118	0.00
16 T	Acetone	0.327	0.372	-13.8	151#	0.00
17 T	Carbon Disulfide	1.308	1.297	0.8	134	0.00
18 T	Methyl Acetate	1.381	1.252	9.3	117	0.00
19 T	Methyl tert-butyl Ether	2.031	1.962	3.4	124	0.00
20 T	Methylene Chloride	0.738	0.630	14.6	126	0.00
21 T	trans-1,2-Dichloroethene	0.592	0.583	1.5	128	0.00
22 T	Diisopropyl ether	1.963	1.910	2.7	124	0.00
23 T	Vinyl Acetate	1.432	1.450	-1.3	124	0.00
24 P	1,1-Dichloroethane	1.144	1.125	1.7	128	0.00
25 T	2-Butanone	0.533	0.508	4.7	123	-0.01
26 T	2,2-Dichloropropane	0.796	0.963	-21.0	150#	0.00
27 T	cis-1,2-Dichloroethene	0.722	0.709	1.8	128	0.00
28 T	Bromochloromethane	0.578	0.535	7.4	119	0.00
29 T	Tetrahydrofuran	0.340	0.311	8.5	117	0.00
30 C	Chloroform	1.236	1.207	2.3#	124	0.00
31 T	Cyclohexane	0.932	0.986	-5.8	134	0.00
32 T	1,1,1-Trichloroethane	1.028	1.062	-3.3	129	0.00
33 S	1,2-Dichloroethane-d4	0.809	0.775	4.2	124	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	123	0.00
35 S	Dibromofluoromethane	0.354	0.370	-4.5	129	0.00
36 T	1,1-Dichloropropene	0.482	0.513	-6.4	131	0.00
37 T	Ethyl Acetate	0.552	0.557	-0.9	118	-0.01
38 T	Carbon Tetrachloride	0.493	0.539	-9.3	132	0.00
39 T	Methylcyclohexane	0.570	0.667	-17.0	141	0.00
40 TM	Benzene	1.462	1.510	-3.3	125	0.00
41 T	Methacrylonitrile	0.291	0.295	-1.4	118	0.00
42 TM	1,2-Dichloroethane	0.571	0.566	0.9	121	0.00
43 T	Isopropyl Acetate	0.880	0.915	-4.0	122	0.00
44 TM	Trichloroethene	0.365	0.384	-5.2	131	0.00
45 C	1,2-Dichloropropane	0.386	0.401	-3.9#	125	0.00
46 T	Dibromomethane	0.281	0.287	-2.1	125	0.00
47 T	Bromodichloromethane	0.507	0.555	-9.5	128	0.00
48 T	Methyl methacrylate	0.425	0.443	-4.2	122	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037656.D
Acq On : 12 Sep 2023 09:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 12 10:26:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 09:13:03 2023
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	0.011	0.011	0.0	119	0.00
50 S	Toluene-d8	1.337	1.427	-6.7	130	0.00
51 T	4-Methyl-2-Pentanone	0.578	0.585	-1.2	116	0.00
52 CM	Toluene	0.940	1.006	-7.0#	129	0.00
53 T	t-1,3-Dichloropropene	0.514	0.609	-18.5	133	0.00
54 T	cis-1,3-Dichloropropene	0.564	0.650	-15.2	133	0.00
55 T	1,1,2-Trichloroethane	0.396	0.419	-5.8	124	0.00
56 T	Ethyl methacrylate	0.605	0.654	-8.1	125	0.00
57 T	1,3-Dichloropropane	0.664	0.678	-2.1	123	0.00
58 T	2-Chloroethyl Vinyl ether	0.294	0.316	-7.5	133	0.00
59 T	2-Hexanone	0.446	0.469	-5.2	118	0.00
60 T	Dibromochloromethane	0.389	0.443	-13.9	130	0.00
61 T	1,2-Dibromoethane	0.425	0.452	-6.4	125	0.00
62 S	4-Bromofluorobenzene	0.482	0.554	-14.9	135	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	120	0.00
64 T	Tetrachloroethene	0.324	0.349	-7.7	136	0.00
65 PM	Chlorobenzene	1.066	1.129	-5.9	128	0.00
66 T	1,1,1,2-Tetrachloroethane	0.367	0.418	-13.9	132	0.00
67 C	Ethyl Benzene	1.897	2.072	-9.2#	129	0.00
68 T	m/p-Xylenes	0.723	0.809	-11.9	130	0.00
69 T	o-Xylene	0.721	0.796	-10.4	130	0.00
70 T	Styrene	1.176	1.337	-13.7	129	0.00
71 P	Bromoform	0.287	0.341	-18.8	131	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	122	0.00
73 T	Isopropylbenzene	3.743	3.950	-5.5	132	0.00
74 T	N-amyl acetate	1.632	1.679	-2.9	121	0.00
75 P	1,1,2,2-Tetrachloroethane	1.401	1.345	4.0	118	0.00
76 T	1,2,3-Trichloropropane	1.099	1.089	0.9	122	0.00
77 T	Bromobenzene	0.887	0.932	-5.1	130	0.00
78 T	n-propylbenzene	4.307	4.729	-9.8	133	0.00
79 T	2-Chlorotoluene	2.651	2.759	-4.1	129	0.00
80 T	1,3,5-Trimethylbenzene	3.146	3.401	-8.1	131	0.00
81 T	trans-1,4-Dichloro-2-butene	0.362	0.421	-16.3	134	0.00
82 T	4-Chlorotoluene	3.028	3.212	-6.1	131	0.00
83 T	tert-Butylbenzene	3.161	3.386	-7.1	129	0.00
84 T	1,2,4-Trimethylbenzene	3.172	3.438	-8.4	130	0.00
85 T	sec-Butylbenzene	3.902	4.349	-11.5	134	0.00
86 T	p-Isopropyltoluene	3.197	3.657	-14.4	135	0.00
87 T	1,3-Dichlorobenzene	1.703	1.824	-7.1	133	0.00
88 T	1,4-Dichlorobenzene	1.751	1.795	-2.5	129	0.00
89 T	n-Butylbenzene	2.896	3.390	-17.1	138	0.00
90 T	Hexachloroethane	0.540	0.635	-17.6	136	0.00
91 T	1,2-Dichlorobenzene	1.704	1.780	-4.5	127	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.288	0.291	-1.0	118	0.00
93 T	1,2,4-Trichlorobenzene	1.015	1.122	-10.5	137	0.00
94 T	Hexachlorobutadiene	0.424	0.492	-16.0	140	0.00
95 T	Naphthalene	3.676	3.771	-2.6	122	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037656.D
Acq On : 12 Sep 2023 09:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 12 10:26:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 09:13:03 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.041	1.108	-6.4	134	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037656.D
Acq On : 12 Sep 2023 09:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 12 10:26:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 09:13:03 2023
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	128	0.00
2 T	Dichlorodifluoromethane	50.000	53.307	-6.6	133	0.00
3 P	Chloromethane	50.000	46.898	6.2	125	0.00
4 C	Vinyl Chloride	50.000	47.699	4.6#	123	0.00
5 T	Bromomethane	50.000	44.838	10.3	113	0.00
6 T	Chloroethane	50.000	43.490	13.0	117	0.00
7 T	Trichlorofluoromethane	50.000	49.603	0.8	123	0.00
8 T	Diethyl Ether	50.000	44.274	11.5	114	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	52.344	-4.7	135	0.00
10 T	Methyl Iodide	50.000	53.053	-6.1	132	0.00
11 T	Tert butyl alcohol	250.000	233.572	6.6	117	0.00
12 CM	1,1-Dichloroethene	50.000	49.417	1.2#	130	0.00
13 T	Acrolein	250.000	247.445	1.0	125	0.00
14 T	Allyl chloride	50.000	49.704	0.6	129	0.00
15 T	Acrylonitrile	250.000	226.353	9.5	118	0.00
16 T	Acetone	250.000	278.429	-11.4	151	0.00
17 T	Carbon Disulfide	50.000	49.456	1.1	134	0.00
18 T	Methyl Acetate	50.000	44.672	10.7	117	0.00
19 T	Methyl tert-butyl Ether	50.000	47.797	4.4	124	0.00
20 T	Methylene Chloride	50.000	49.804	0.4	126	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.367	3.3	128	0.00
22 T	Diisopropyl ether	50.000	48.363	3.3	124	0.00
23 T	Vinyl Acetate	250.000	250.215	-0.1	124	0.00
24 P	1,1-Dichloroethane	50.000	48.699	2.6	128	0.00
25 T	2-Butanone	250.000	236.734	5.3	123	-0.01
26 T	2,2-Dichloropropane	50.000	60.193	-20.4	150	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.184	1.6	128	0.00
28 T	Bromochloromethane	50.000	45.692	8.6	119	0.00
29 T	Tetrahydrofuran	250.000	224.370	10.3	117	0.00
30 C	Chloroform	50.000	48.180	3.6#	124	0.00
31 T	Cyclohexane	50.000	52.928	-5.9	134	0.00
32 T	1,1,1-Trichloroethane	50.000	50.446	-0.9	129	0.00
33 S	1,2-Dichloroethane-d4	50.000	47.881	4.2	124	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	123	0.00
35 S	Dibromofluoromethane	50.000	52.256	-4.5	129	0.00
36 T	1,1-Dichloropropene	50.000	52.513	-5.0	131	0.00
37 T	Ethyl Acetate	50.000	49.415	1.2	118	-0.01
38 T	Carbon Tetrachloride	50.000	55.239	-10.5	132	0.00
39 T	Methylcyclohexane	50.000	58.000	-16.0	141	0.00
40 TM	Benzene	50.000	50.817	-1.6	125	0.00
41 T	Methacrylonitrile	50.000	49.203	1.6	118	0.00
42 TM	1,2-Dichloroethane	50.000	49.185	1.6	121	0.00
43 T	Isopropyl Acetate	50.000	51.332	-2.7	122	0.00
44 TM	Trichloroethene	50.000	52.891	-5.8	131	0.00
45 C	1,2-Dichloropropane	50.000	51.384	-2.8#	125	0.00
46 T	Dibromomethane	50.000	50.480	-1.0	125	0.00
47 T	Bromodichloromethane	50.000	54.425	-8.8	128	0.00
48 T	Methyl methacrylate	50.000	50.846	-1.7	122	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037656.D
Acq On : 12 Sep 2023 09:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 12 10:26:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 09:13:03 2023
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	988.196	1.2	119	0.00
50 S	Toluene-d8	50.000	53.395	-6.8	130	0.00
51 T	4-Methyl-2-Pentanone	250.000	248.999	0.4	116	0.00
52 CM	Toluene	50.000	53.501	-7.0#	129	0.00
53 T	t-1,3-Dichloropropene	50.000	59.080	-18.2	133	0.00
54 T	cis-1,3-Dichloropropene	50.000	57.854	-15.7	133	0.00
55 T	1,1,2-Trichloroethane	50.000	51.818	-3.6	124	0.00
56 T	Ethyl methacrylate	50.000	53.778	-7.6	125	0.00
57 T	1,3-Dichloropropane	50.000	50.384	-0.8	123	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	269.749	-7.9	133	0.00
59 T	2-Hexanone	250.000	260.330	-4.1	118	0.00
60 T	Dibromochloromethane	50.000	56.438	-12.9	130	0.00
61 T	1,2-Dibromoethane	50.000	52.982	-6.0	125	0.00
62 S	4-Bromofluorobenzene	50.000	57.439	-14.9	135	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	120	0.00
64 T	Tetrachloroethene	50.000	54.438	-8.9	136	0.00
65 PM	Chlorobenzene	50.000	52.372	-4.7	128	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	55.557	-11.1	132	0.00
67 C	Ethyl Benzene	50.000	54.043	-8.1#	129	0.00
68 T	m/p-Xylenes	100.000	110.826	-10.8	130	0.00
69 T	o-Xylene	50.000	54.948	-9.9	130	0.00
70 T	Styrene	50.000	55.932	-11.9	129	0.00
71 P	Bromoform	50.000	59.315	-18.6	131	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	122	0.00
73 T	Isopropylbenzene	50.000	52.488	-5.0	132	0.00
74 T	N-ethyl acetate	50.000	50.542	-1.1	121	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	47.125	5.8	118	0.00
76 T	1,2,3-Trichloropropane	50.000	48.184	3.6	122	0.00
77 T	Bromobenzene	50.000	51.626	-3.3	130	0.00
78 T	n-propylbenzene	50.000	54.452	-8.9	133	0.00
79 T	2-Chlorotoluene	50.000	51.656	-3.3	129	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.505	-7.0	131	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	58.267	-16.5	134	0.00
82 T	4-Chlorotoluene	50.000	52.829	-5.7	131	0.00
83 T	tert-Butylbenzene	50.000	53.413	-6.8	129	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.849	-7.7	130	0.00
85 T	sec-Butylbenzene	50.000	55.351	-10.7	134	0.00
86 T	p-Isopropyltoluene	50.000	56.523	-13.0	135	0.00
87 T	1,3-Dichlorobenzene	50.000	53.150	-6.3	133	0.00
88 T	1,4-Dichlorobenzene	50.000	51.374	-2.7	129	0.00
89 T	n-Butylbenzene	50.000	58.530	-17.1	138	0.00
90 T	Hexachloroethane	50.000	58.034	-16.1	136	0.00
91 T	1,2-Dichlorobenzene	50.000	51.020	-2.0	127	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	48.584	2.8	118	0.00
93 T	1,2,4-Trichlorobenzene	50.000	55.342	-10.7	137	0.00
94 T	Hexachlorobutadiene	50.000	56.003	-12.0	140	0.00
95 T	Naphthalene	50.000	51.405	-2.8	122	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037656.D
Acq On : 12 Sep 2023 09:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 12 10:26:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 09:13:03 2023
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	53.024	-6.0	134	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: 04373 SAS No.: 04373 SDG No.: 04373
 Instrument ID: MSVOA_X Calibration Date/Time: 09/13/2023 10:19
 Lab File ID: VX037683.D Init. Calib. Date(s): 09/11/2023 09/11/2023
 Heated Purge: (Y/N) N Init. Calib. Time(s): 17:48 20:38
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.548	0.541		-1.28	20
Chloromethane	0.625	0.570	0.1	-8.8	20
Vinyl Chloride	0.703	0.636		-9.53	20
Bromomethane	0.588	0.557		-5.27	20
Chloroethane	0.483	0.392		-18.84	20
Trichlorofluoromethane	1.162	1.074		-7.57	20
1,1,2-Trichlorotrifluoroethane	0.521	0.528		1.34	20
1,1-Dichloroethene	0.514	0.494		-3.89	20
Acetone	0.327	0.327		0	20
Carbon Disulfide	1.308	1.207		-7.72	20
Methyl tert-butyl Ether	2.031	1.962		-3.4	20
Methyl Acetate	1.381	1.274		-7.75	20
Methylene Chloride	0.738	0.632		-14.36	20
trans-1,2-Dichloroethene	0.592	0.564		-4.73	20
1,1-Dichloroethane	1.144	1.075	0.1	-6.03	20
Cyclohexane	0.932	0.895		-3.97	20
2-Butanone	0.533	0.496		-6.94	20
Carbon Tetrachloride	0.493	0.525		6.49	20
cis-1,2-Dichloroethene	0.722	0.699		-3.19	20
Bromochloromethane	0.578	0.518		-10.38	20
Chloroform	1.236	1.169		-5.42	20
1,1,1-Trichloroethane	1.028	1.016		-1.17	20
Methylcyclohexane	0.571	0.620		8.58	20
Benzene	1.462	1.494		2.19	20
1,2-Dichloroethane	0.571	0.556		-2.63	20
Trichloroethene	0.365	0.389		6.57	20
1,2-Dichloropropane	0.386	0.390		1.04	20
Bromodichloromethane	0.507	0.546		7.69	20
4-Methyl-2-Pentanone	0.578	0.596		3.11	20
Toluene	0.940	0.976		3.83	20
t-1,3-Dichloropropene	0.514	0.603		17.32	20
cis-1,3-Dichloropropene	0.564	0.636		12.77	20
1,1,2-Trichloroethane	0.396	0.423		6.82	20
2-Hexanone	0.446	0.467		4.71	20
Dibromochloromethane	0.389	0.446		14.65	20
1,2-Dibromoethane	0.425	0.451		6.12	20
Tetrachloroethene	0.324	0.346		6.79	20
Chlorobenzene	1.066	1.127	0.3	5.72	20
Ethyl Benzene	1.897	2.036		7.33	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, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: DAYE01
 Lab Code: CHEM Case No.: O4373 SAS No.: O4373 SDG No.: O4373
 Instrument ID: MSVOA_X Calibration Date/Time: 09/13/2023 10:19
 Lab File ID: VX037683.D Init. Calib. Date(s): 09/11/2023 09/11/2023
 Heated Purge: (Y/N) N Init. Calib. Time(s): 17:48 20:38
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.723	0.785		8.57	20
o-Xylene	0.721	0.787		9.15	20
Styrene	1.176	1.315		11.82	20
Bromoform	0.287	0.347	0.1	20.91	20
Isopropylbenzene	3.743	3.846		2.75	20
1,1,2,2-Tetrachloroethane	1.401	1.374	0.3	-1.93	20
1,3-Dichlorobenzene	1.703	1.797		5.52	20
1,4-Dichlorobenzene	1.751	1.795		2.51	20
1,2-Dichlorobenzene	1.704	1.778		4.34	20
1,2-Dibromo-3-Chloropropane	0.288	0.295		2.43	20
1,2,4-Trichlorobenzene	1.015	1.137		12.02	20
1,2,3-Trichlorobenzene	1.041	1.133		8.84	20
1,2-Dichloroethane-d4	0.809	0.722		-10.75	20
Dibromofluoromethane	0.354	0.364		2.83	20
Toluene-d8	1.337	1.368		2.32	20
4-Bromofluorobenzene	0.482	0.516		7.05	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_X\Data\VX091323\
 Data File : VX037683.D
 Acq On : 13 Sep 2023 10:19
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 14 02:14:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/14/2023
 Supervised By : Mahesh Dadoda 09/14/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	219077	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	364258	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	349047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	187103	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	158158	44.621	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.240%
35) Dibromofluoromethane	5.385	113	132537	51.333	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.660%
50) Toluene-d8	8.647	98	498344	51.178	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.360%
62) 4-Bromofluorobenzene	11.079	95	187793	53.456	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.920%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.167	85	118556	49.359	ug/l	98
3) Chloromethane	1.301	50	124935	45.658	ug/l	99
4) Vinyl Chloride	1.374	62	139301	45.255	ug/l	100
5) Bromomethane	1.599	94	121969	47.372	ug/l	99
6) Chloroethane	1.679	64	85913	40.594	ug/l	96
7) Trichlorofluoromethane	1.880	101	235224	46.188	ug/l	100
8) Diethyl Ether	2.136	74	90417	44.735	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.325	101	115698	50.680	ug/l	98
10) Methyl Iodide	2.453	142	142067	52.695	ug/l	93
11) Tert butyl alcohol	2.965	59	178352	242.766	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	108126	47.972	ug/l	87
13) Acrolein	2.233	56	143420	247.651	ug/l	99
14) Allyl chloride	2.660	41	190728	48.304	ug/l	95
15) Acrylonitrile	3.063	53	382618	235.381	ug/l	99
16) Acetone	2.380	43	358469	250.155	ug/l	90
17) Carbon Disulfide	2.508	76	264525	46.167	ug/l	99
18) Methyl Acetate	2.703	43	279095	46.120	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	429760	48.298	ug/l	100
20) Methylene Chloride	2.788	84	138461	49.972	ug/l	90
21) trans-1,2-Dichloroethene	3.087	96	123484	47.619	ug/l	92
22) Diisopropyl ether	3.764	45	411804	47.873	ug/l #	83
23) Vinyl Acetate	3.721	43	1548922	246.868	ug/l	96
24) 1,1-Dichloroethane	3.611	63	235471	46.975	ug/l	100
25) 2-Butanone	4.556	43	542826	232.320	ug/l	92
26) 2,2-Dichloropropane	4.471	77	198013	56.788	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	153203	48.448	ug/l	91
28) Bromochloromethane	4.898	49	113403	44.779	ug/l	88
29) Tetrahydrofuran	5.001	42	340073	228.553	ug/l	91
30) Chloroform	5.093	83	256033	47.295	ug/l	97
31) Cyclohexane	5.471	56	196178	48.064	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	222553	49.395	ug/l	98
36) 1,1-Dichloropropene	5.690	75	176720	50.314	ug/l	97
37) Ethyl Acetate	4.715	43	204922	50.989	ug/l	97
38) Carbon Tetrachloride	5.678	117	191286	53.310	ug/l	98
39) Methylcyclohexane	7.379	83	225786	54.325	ug/l	94
40) Benzene	6.038	78	544199	51.108	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
 Data File : VX037683.D
 Acq On : 13 Sep 2023 10:19
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023

Quant Time: Sep 14 02:14:24 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M

Quant Title : SW846 8260

QLast Update : Tue Sep 12 10:10:04 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	106568	50.342	ug/l #	90
42) 1,2-Dichloroethane	6.086	62	202505	48.659	ug/l	98
43) Isopropyl Acetate	6.342	43	333764	52.056	ug/l	97
44) Trichloroethene	7.123	130	141611	53.230	ug/l	97
45) 1,2-Dichloropropane	7.428	63	142185	50.599	ug/l	98
46) Dibromomethane	7.580	93	104969	51.346	ug/l	95
47) Bromodichloromethane	7.824	83	198734	53.850	ug/l	99
48) Methyl methacrylate	7.690	41	161394	52.074	ug/l #	89
49) 1,4-Dioxane	7.659	88	82607	1075.778	ug/l #	87
51) 4-Methyl-2-Pentanone	8.574	43	1086173	257.993	ug/l	96
52) Toluene	8.720	92	355668	51.951	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	219759	58.734	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	231663	56.426	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	153932	53.396	ug/l	95
56) Ethyl methacrylate	9.116	69	237962	53.950	ug/l	92
57) 1,3-Dichloropropane	9.311	76	247259	51.133	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	612770	286.517	ug/l	100
59) 2-Hexanone	9.427	43	849733	261.476	ug/l	94
60) Dibromochloromethane	9.519	129	162330	57.327	ug/l	100
61) 1,2-Dibromoethane	9.610	107	164341	53.035	ug/l	99
64) Tetrachloroethene	9.275	164	120642	53.346	ug/l	99
65) Chlorobenzene	10.080	112	393335	52.870	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	145058	56.574	ug/l	97
67) Ethyl Benzene	10.195	91	710524	53.666	ug/l	100
68) m/p-Xylenes	10.299	106	547939	108.539	ug/l	99
69) o-Xylene	10.640	106	274812	54.599	ug/l	97
70) Styrene	10.653	104	458829	55.876	ug/l	96
71) Bromoform	10.799	173	120960	60.289	ug/l #	99
73) Isopropylbenzene	10.964	105	719629	51.372	ug/l	98
74) N-amyl acetate	10.842	43	311604	51.012	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.214	83	257029	49.031	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	204721m	49.769	ug/l	
77) Bromobenzene	11.195	156	176000	53.017	ug/l	91
78) n-propylbenzene	11.305	91	851805	52.854	ug/l	100
79) 2-Chlorotoluene	11.366	91	502446	50.647	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	623805	52.986	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	78334	57.887	ug/l	88
82) 4-Chlorotoluene	11.457	91	584052	51.538	ug/l	97
83) tert-Butylbenzene	11.713	119	618877	52.327	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	623563	52.536	ug/l	98
85) sec-Butylbenzene	11.890	105	783593	53.666	ug/l	99
86) p-Isopropyltoluene	12.006	119	665415	55.614	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	336169	52.740	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	335840	51.266	ug/l	98
89) n-Butylbenzene	12.335	91	597970	55.181	ug/l	97
90) Hexachloroethane	12.536	117	113745	56.337	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	332630	52.158	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	55265	51.343	ug/l	83
93) 1,2,4-Trichlorobenzene	13.585	180	212769	56.022	ug/l	95
94) Hexachlorobutadiene	13.725	225	91348	57.578	ug/l	98
95) Naphthalene	13.774	128	720035	52.337	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	212018	54.408	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037683.D
Acq On : 13 Sep 2023 10:19
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Sep 14 02:14:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023

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

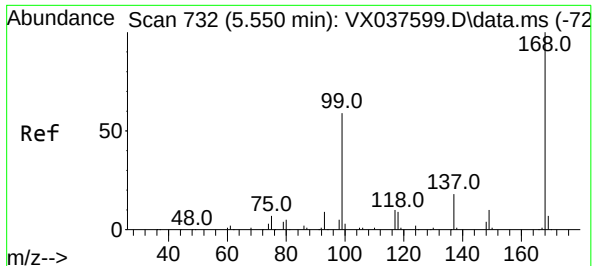
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations

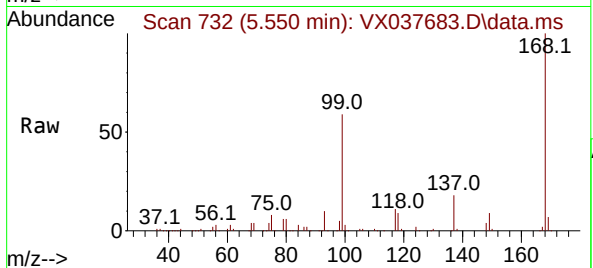
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037683.D
Acq: 13 Sep 2023 10:19

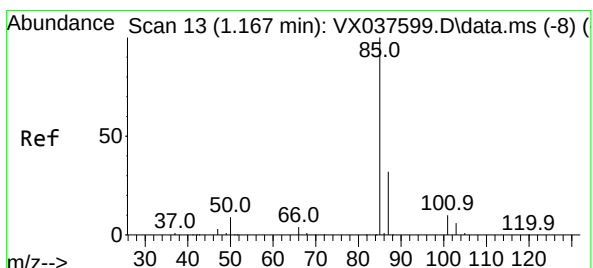
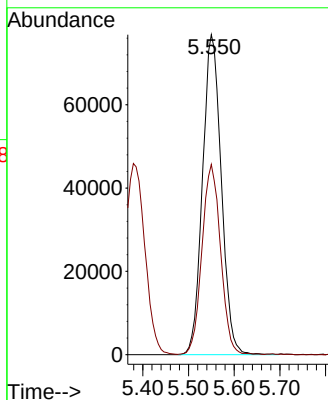
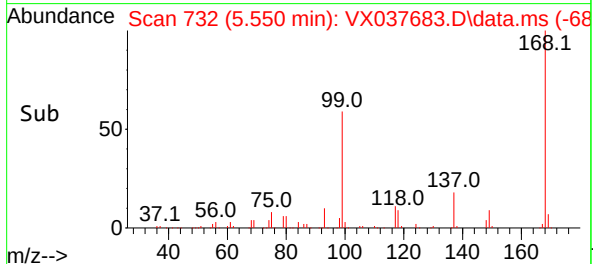
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



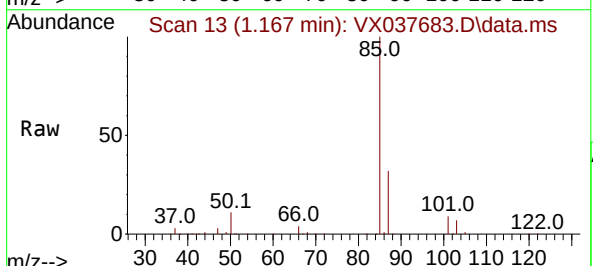
Tgt Ion:168 Resp: 21907
Ion Ratio Lower Upper
168 100
99 59.3 56.6 85.0

Manual Integrations
APPROVED

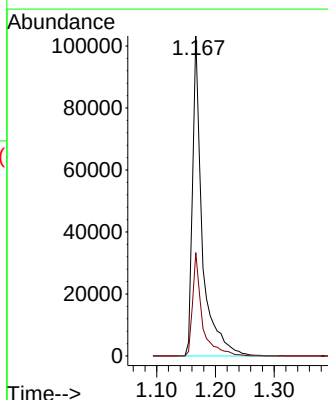
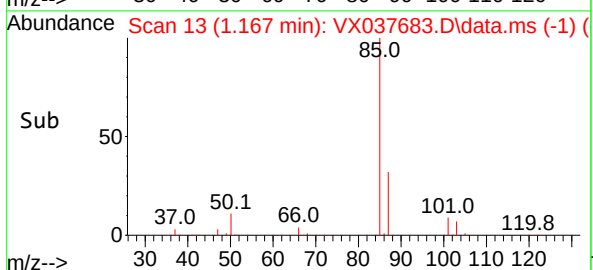
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023

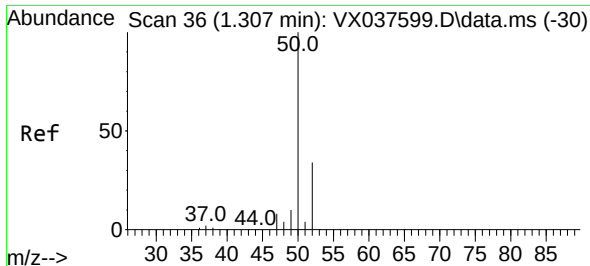


#2
Dichlorodifluoromethane
Concen: 49.359 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX037683.D
Acq: 13 Sep 2023 10:19



Tgt Ion: 85 Resp: 118556
Ion Ratio Lower Upper
85 100
87 32.3 16.7 50.1





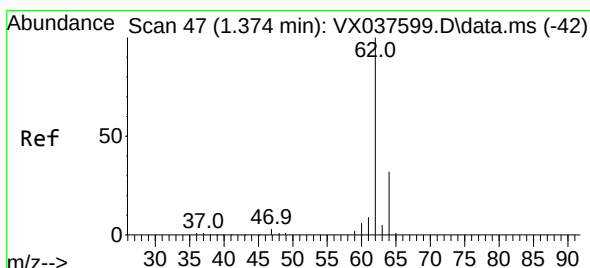
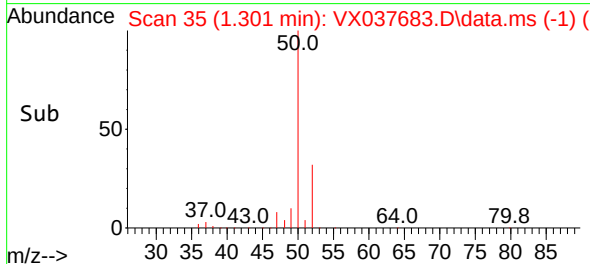
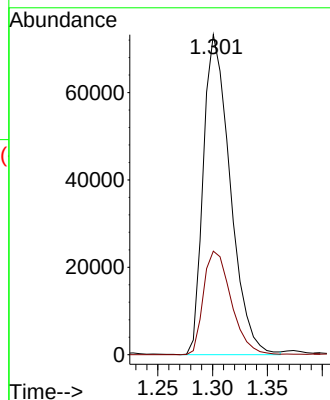
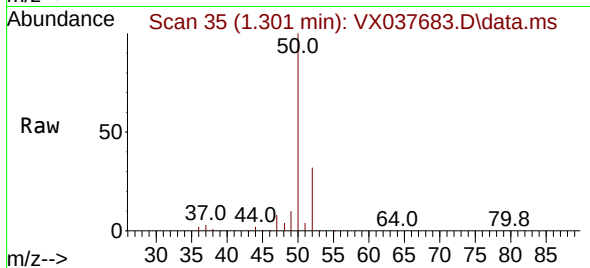
#3
Chloromethane
Concen: 45.658 ug/l
RT: 1.301 min Scan# 30
Delta R.T. -0.006 min
Lab File: VX037683.D
Acq: 13 Sep 2023 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 12493
Ion Ratio Lower Upper
50 100
52 32.3 25.5 38.3

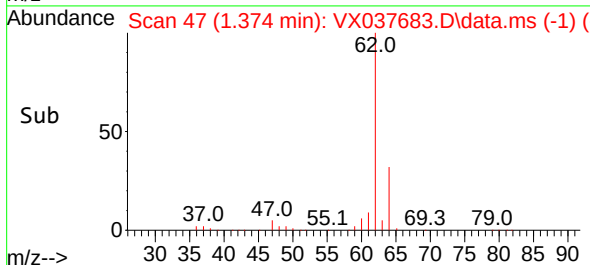
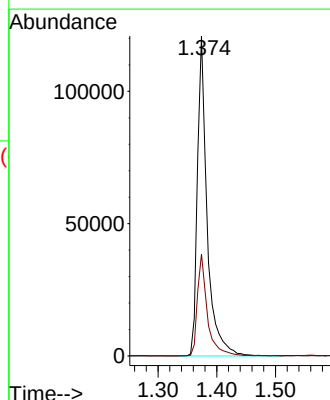
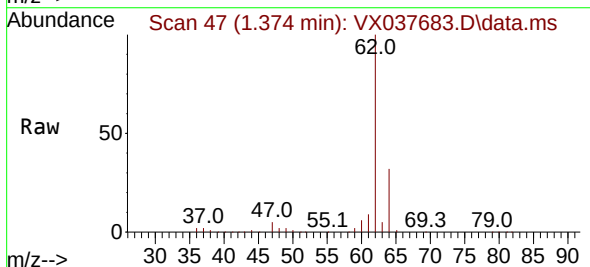
Manual Integrations
APPROVED

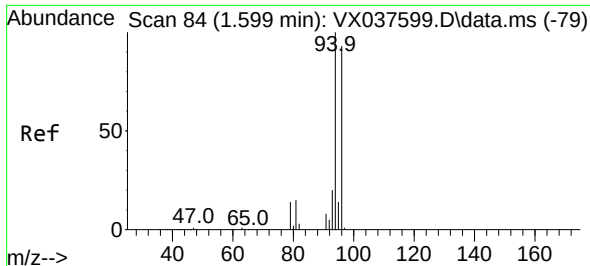
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#4
Vinyl Chloride
Concen: 45.255 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX037683.D
Acq: 13 Sep 2023 10:19

Tgt Ion: 62 Resp: 139301
Ion Ratio Lower Upper
62 100
64 31.8 25.4 38.0





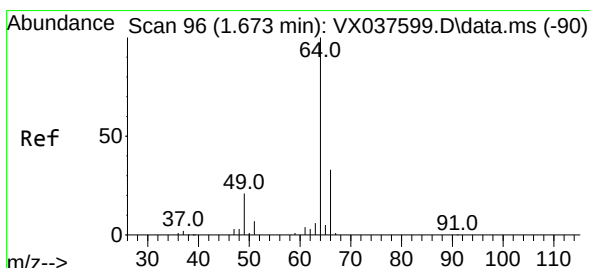
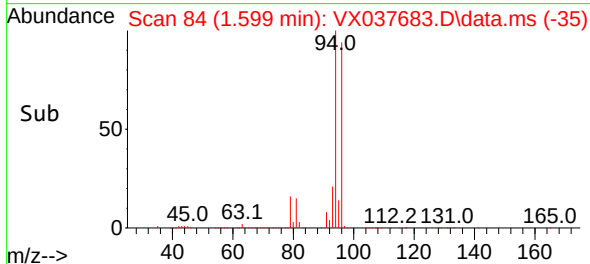
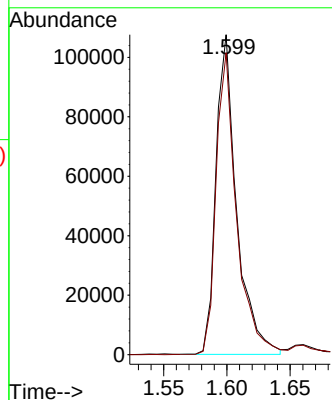
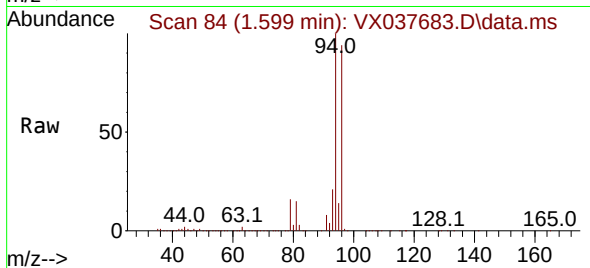
#5
Bromomethane
Concen: 47.372 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX037683.D
Acq: 13 Sep 2023 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 121969
Ion Ratio Lower Upper
94 100
96 94.4 74.6 111.8

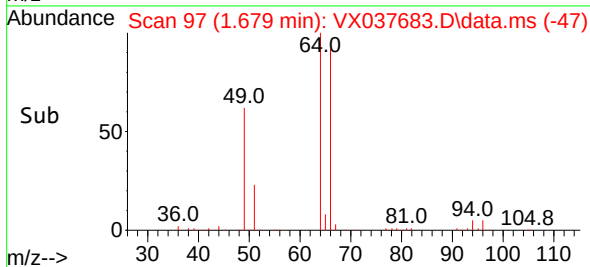
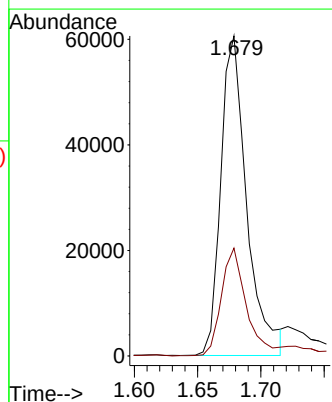
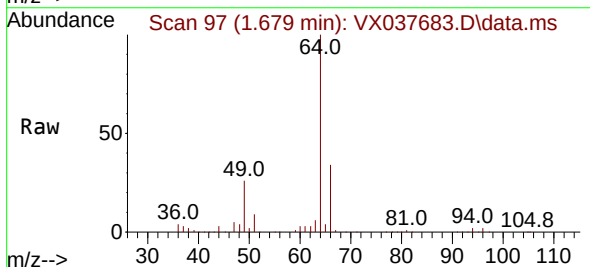
Manual Integrations
APPROVED

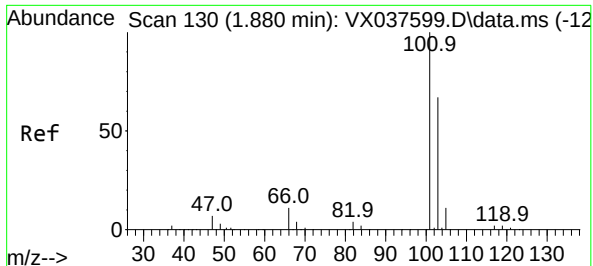
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#6
Chloroethane
Concen: 40.594 ug/l
RT: 1.679 min Scan# 97
Delta R.T. 0.006 min
Lab File: VX037683.D
Acq: 13 Sep 2023 10:19

Tgt Ion: 64 Resp: 85913
Ion Ratio Lower Upper
64 100
66 33.6 25.1 37.7





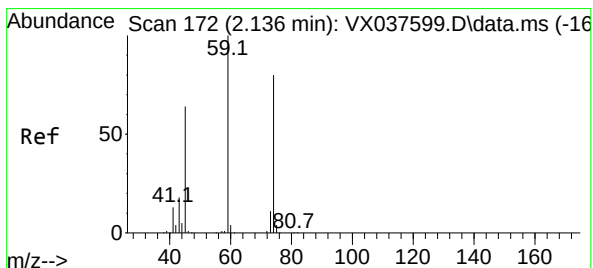
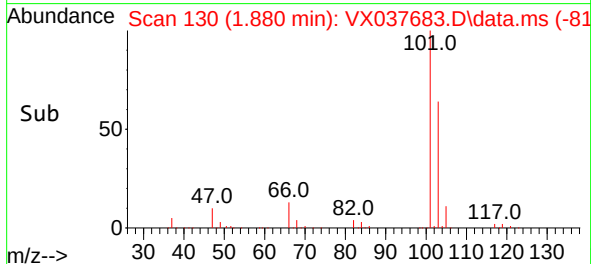
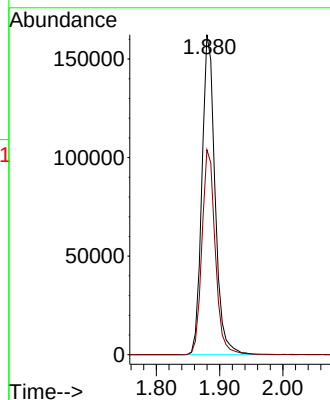
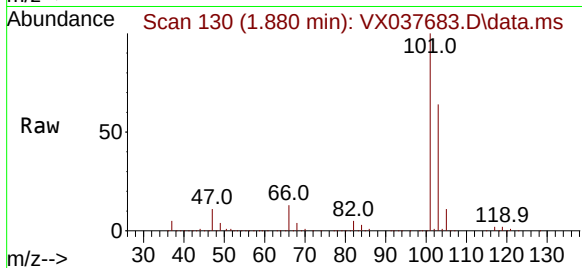
#7
 Trichlorofluoromethane
 Concen: 46.188 ug/l
 RT: 1.880 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX037683.D
 Acq: 13 Sep 2023 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion:101 Resp: 235224
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.4 77.2

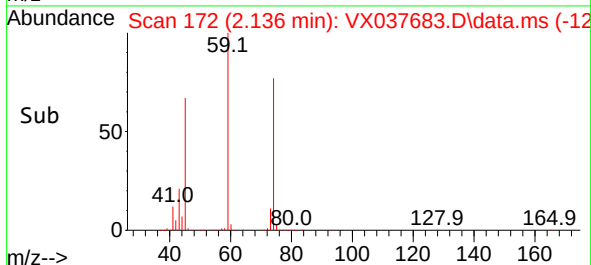
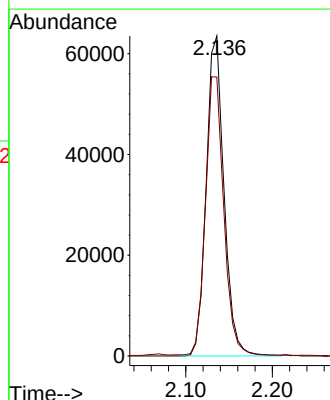
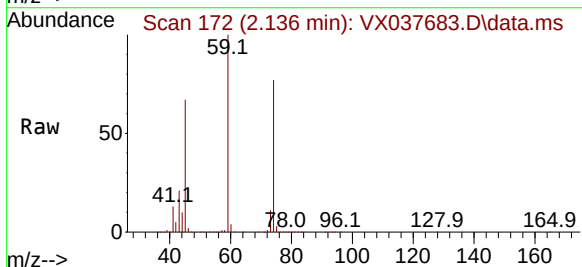
Manual Integrations
 APPROVED

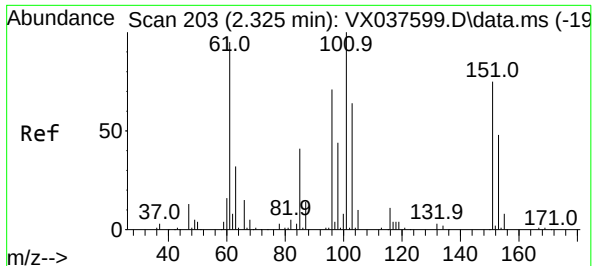
Reviewed By :John Carlone 09/14/2023
 Supervised By :Mahesh Dadoda 09/14/2023



#8
 Diethyl Ether
 Concen: 44.735 ug/l
 RT: 2.136 min Scan# 172
 Delta R.T. 0.000 min
 Lab File: VX037683.D
 Acq: 13 Sep 2023 10:19

Tgt Ion: 74 Resp: 90417
 Ion Ratio Lower Upper
 74 100
 45 90.2 53.3 159.8





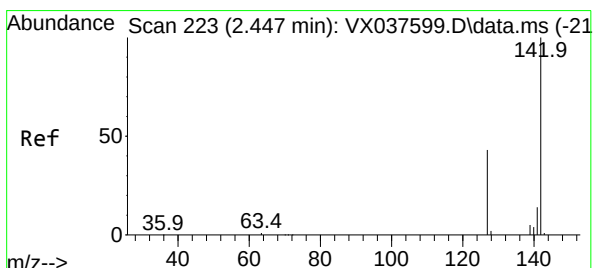
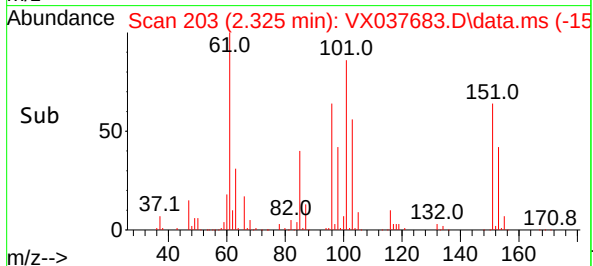
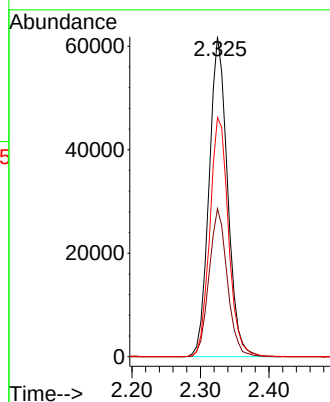
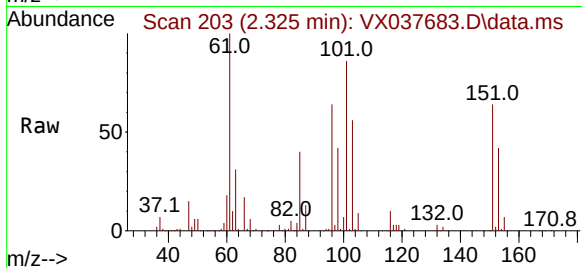
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.680 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX037683.D
Acq: 13 Sep 2023 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 115698
Ion Ratio Lower Upper
101 100
85 45.9 37.0 55.6
151 75.9 58.6 87.8

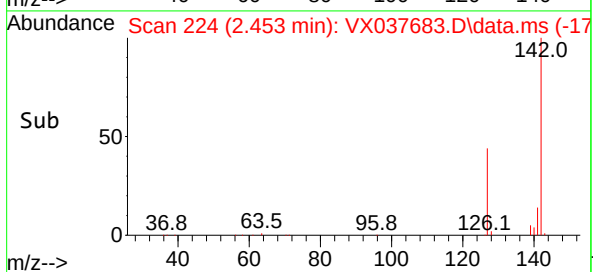
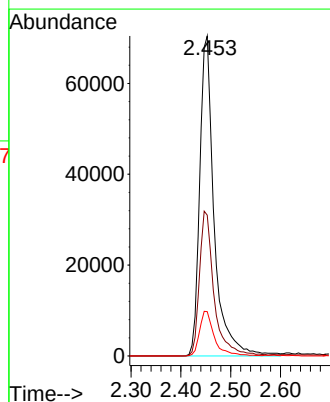
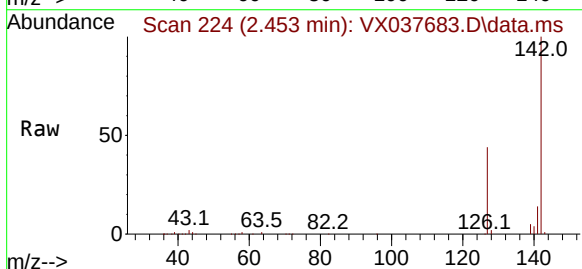
Manual Integrations
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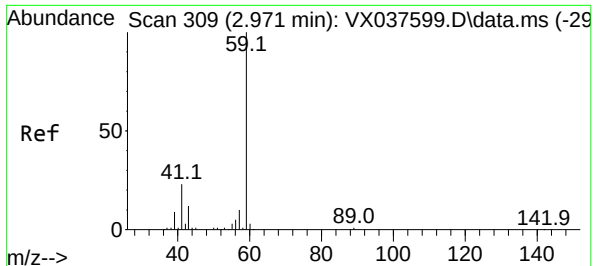
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#10
Methyl Iodide
Concen: 52.695 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.006 min
Lab File: VX037683.D
Acq: 13 Sep 2023 10:19

Tgt Ion:142 Resp: 142067
Ion Ratio Lower Upper
142 100
127 45.7 41.6 62.4
141 14.3 11.6 17.4





#11

Tert butyl alcohol

Concen: 242.766 ug/l

RT: 2.965 min Scan# 309

Delta R.T. -0.006 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 17835

Ion Ratio Lower Upper

59 100

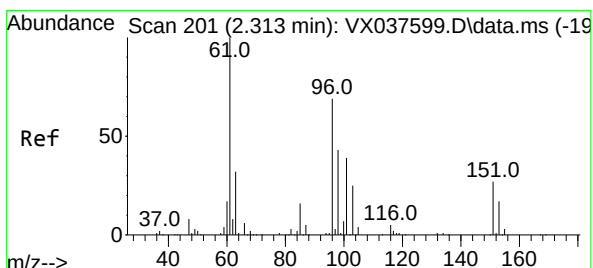
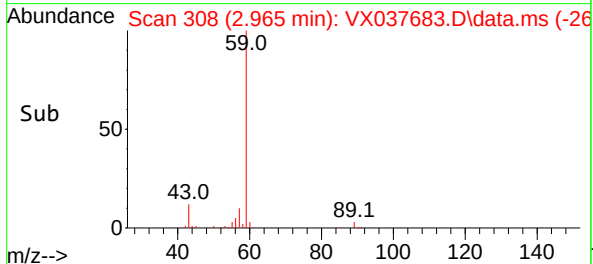
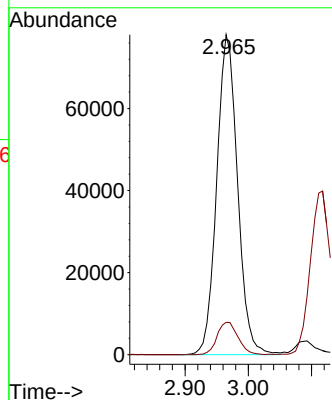
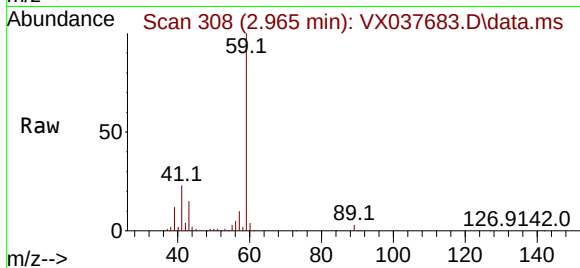
57 10.2 6.0 9.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#12

1,1-Dichloroethene

Concen: 47.972 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

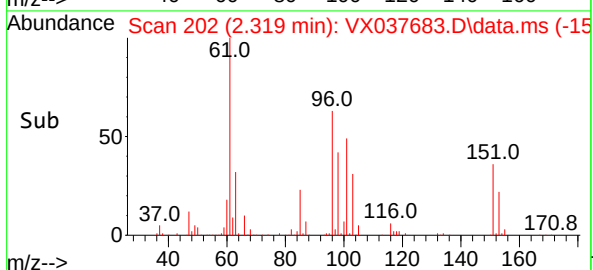
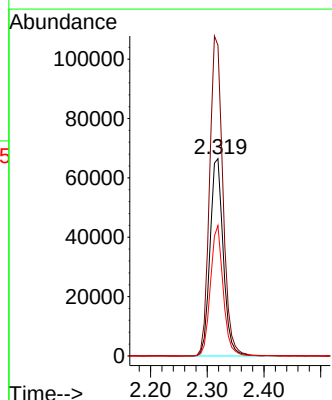
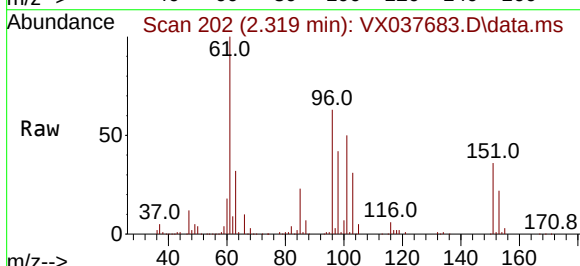
Tgt Ion: 96 Resp: 108126

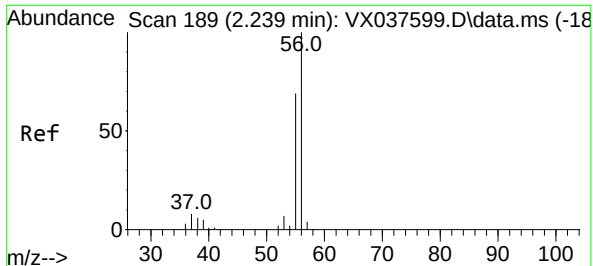
Ion Ratio Lower Upper

96 100

61 157.5 144.6 216.8

98 66.1 50.4 75.6





#13

Acrolein

Concen: 247.651 ug/l

RT: 2.233 min Scan# 189

Delta R.T. -0.006 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDC050

Tgt Ion: 56 Resp: 143420

Ion Ratio Lower Upper

56 100

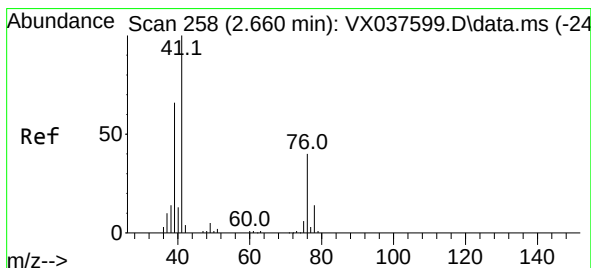
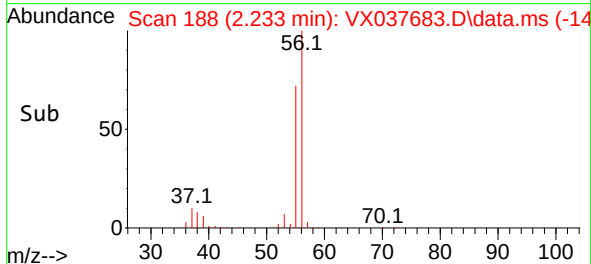
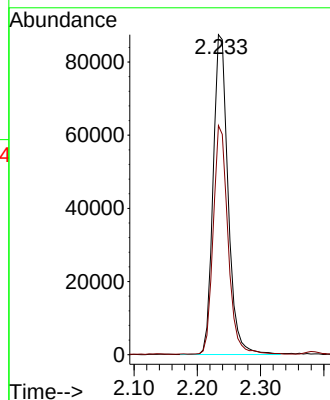
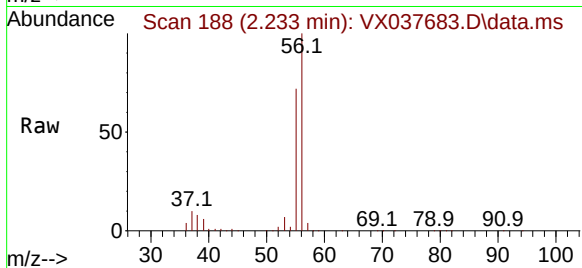
55 70.8 57.1 85.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#14

Allyl chloride

Concen: 48.304 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

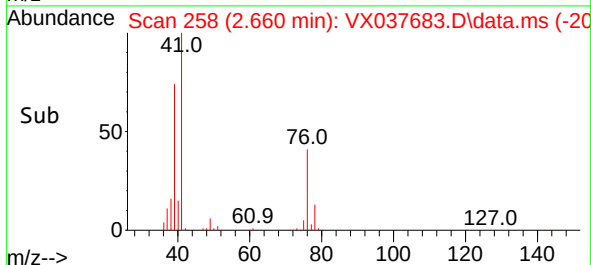
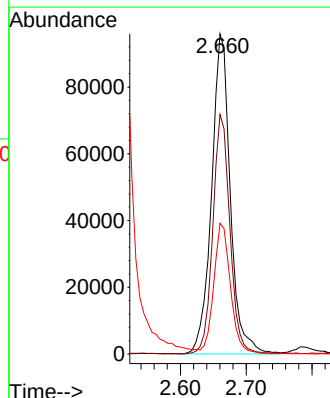
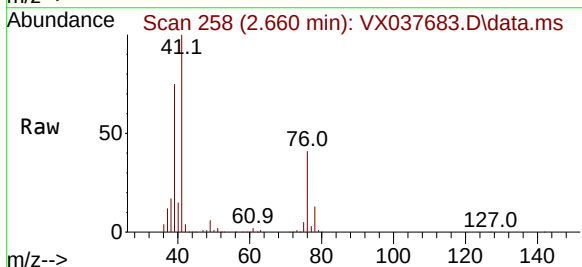
Tgt Ion: 41 Resp: 190728

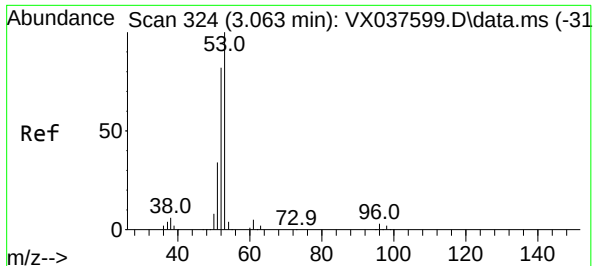
Ion Ratio Lower Upper

41 100

39 68.2 55.8 83.6

76 36.3 24.3 36.5





#15

Acrylonitrile

Concen: 235.381 ug/l

RT: 3.063 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 382618

Ion Ratio Lower Upper

53 100

52 83.8 66.0 99.0

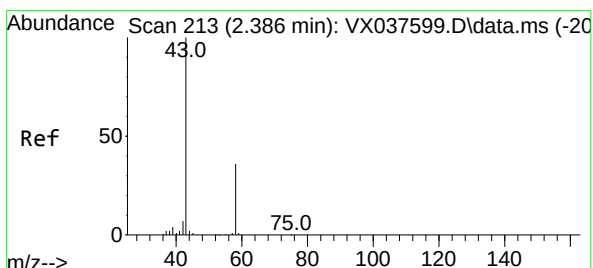
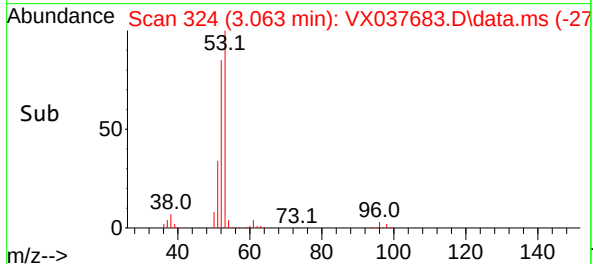
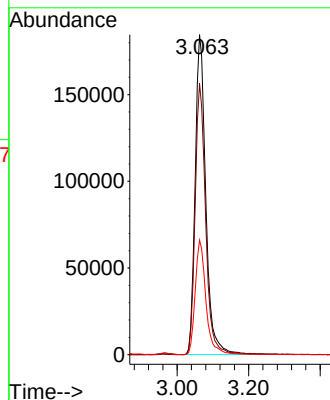
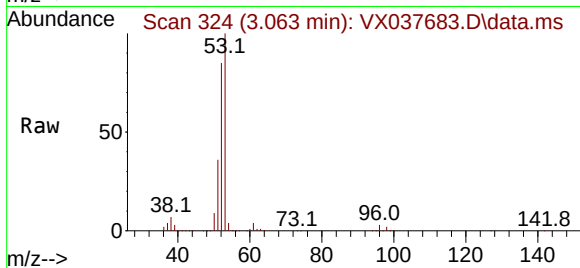
51 36.4 29.8 44.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#16

Acetone

Concen: 250.155 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX037683.D

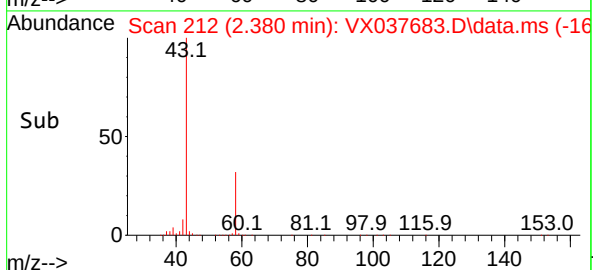
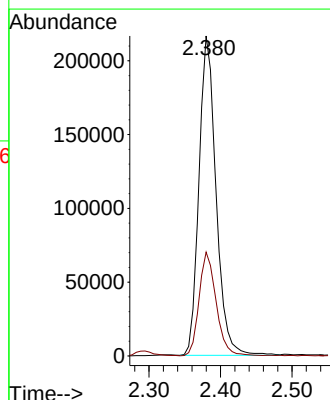
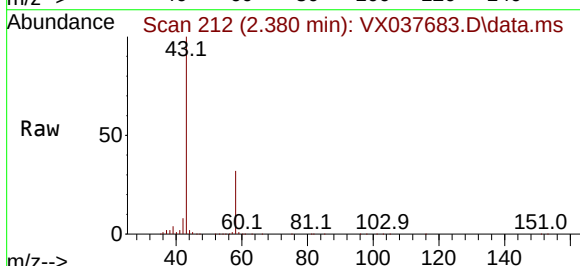
Acq: 13 Sep 2023 10:19

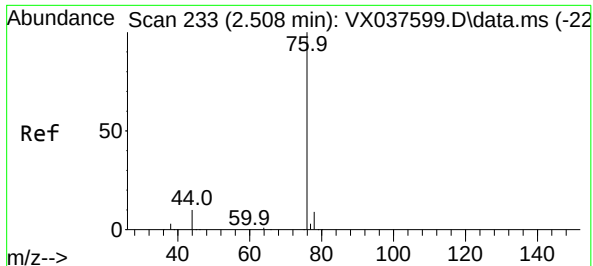
Tgt Ion: 43 Resp: 358469

Ion Ratio Lower Upper

43 100

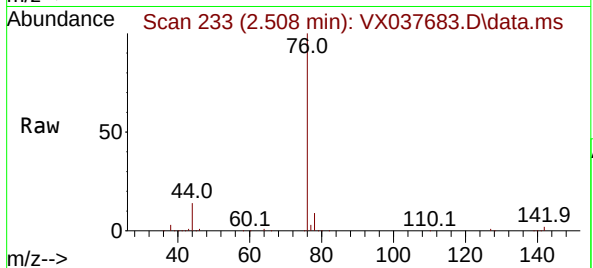
58 32.5 21.9 32.9





#17
Carbon Disulfide
Concen: 46.167 ug/l
RT: 2.508 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX037683.D
Acq: 13 Sep 2023 10:19

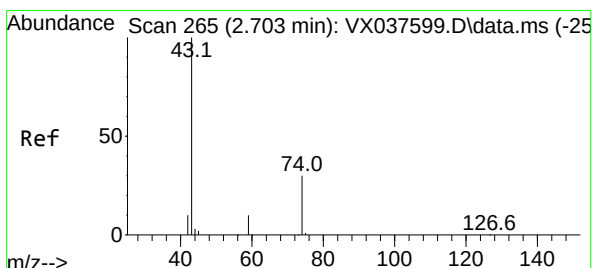
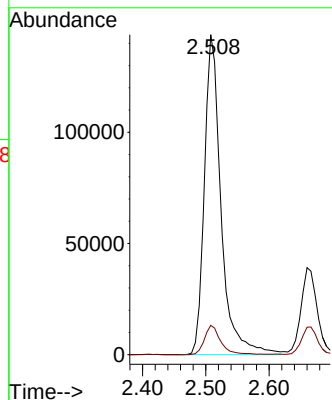
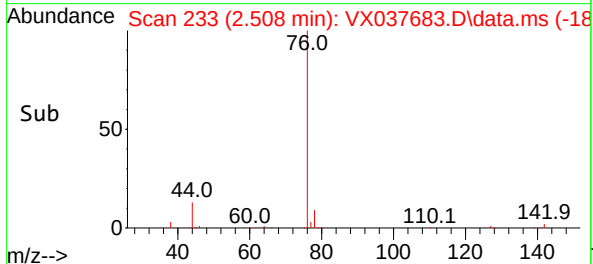
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



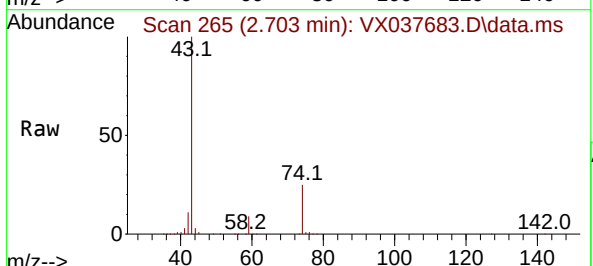
Tgt Ion: 76 Resp: 26452
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6

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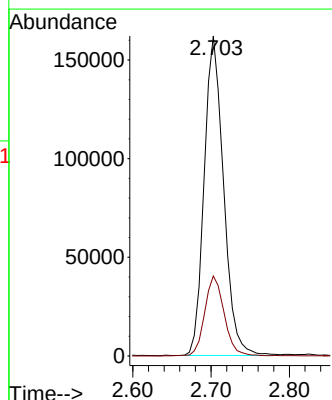
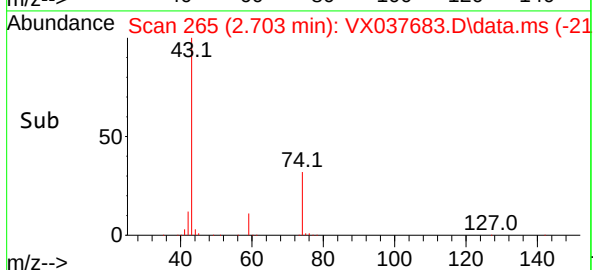
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023

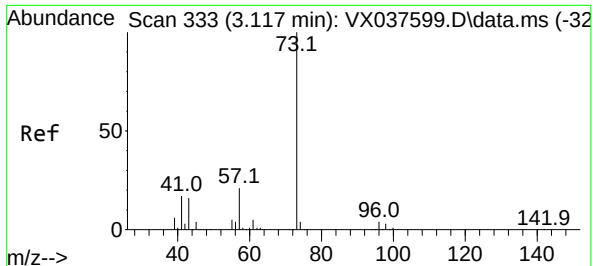


#18
Methyl Acetate
Concen: 46.120 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX037683.D
Acq: 13 Sep 2023 10:19



Tgt Ion: 43 Resp: 279095
Ion Ratio Lower Upper
43 100
74 25.1 17.8 26.8





#19

Methyl tert-butyl Ether

Concen: 48.298 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 429760

Ion Ratio Lower Upper

73 100

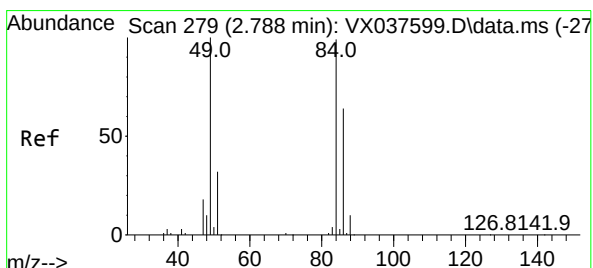
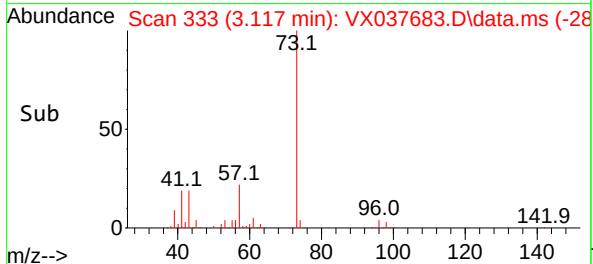
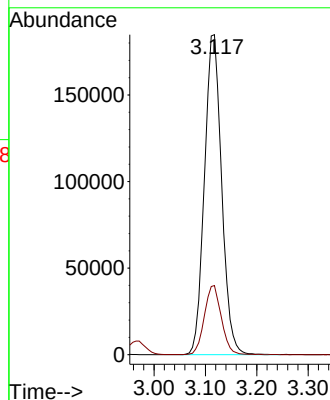
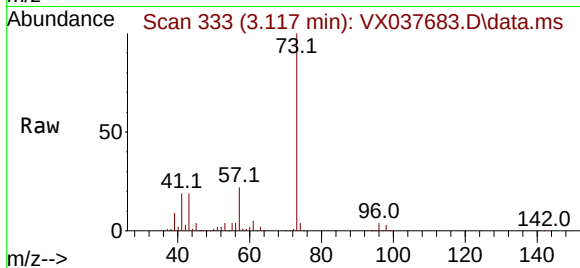
57 21.6 17.3 25.9

Manual Integrations

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Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#20

Methylene Chloride

Concen: 49.972 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Tgt Ion: 84 Resp: 138461

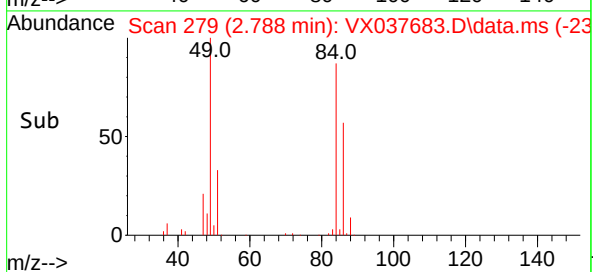
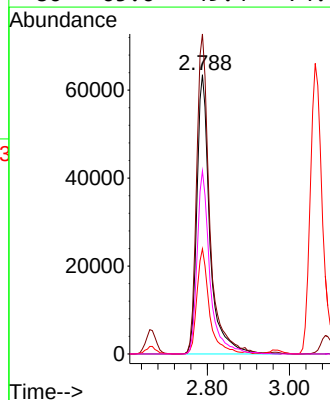
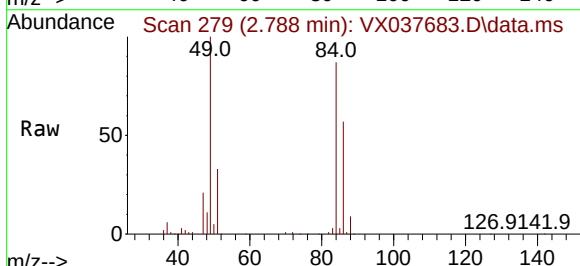
Ion Ratio Lower Upper

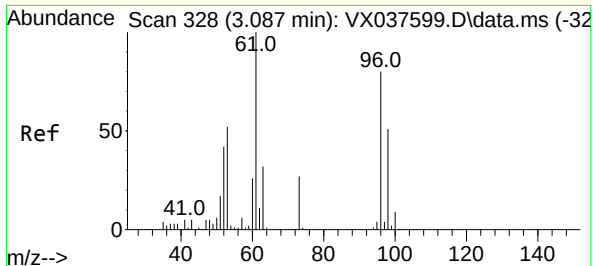
84 100

49 114.6 103.6 155.4

51 37.7 33.8 50.6

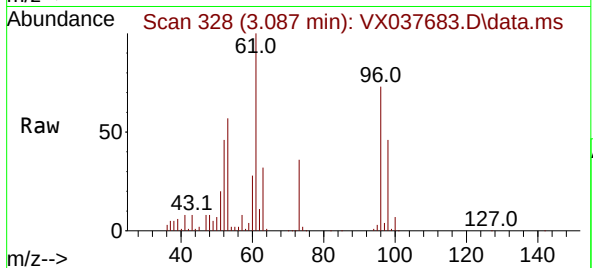
86 65.6 49.4 74.0





#21
trans-1,2-Dichloroethene
Concen: 47.619 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX037683.D
Acq: 13 Sep 2023 10:19

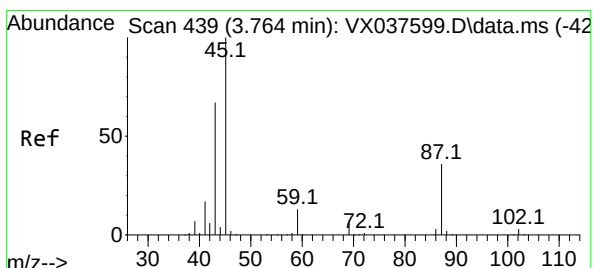
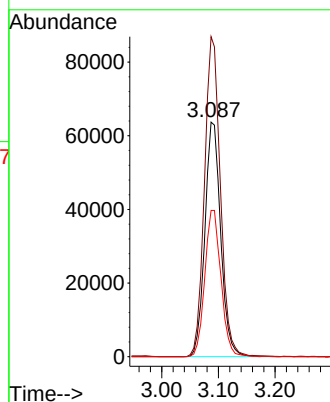
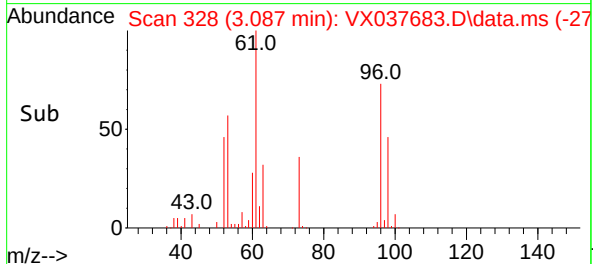
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 96 Resp: 123484
Ion Ratio Lower Upper
96 100
61 136.4 119.2 178.8
98 62.4 48.7 73.1

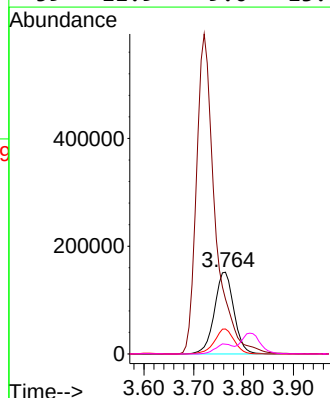
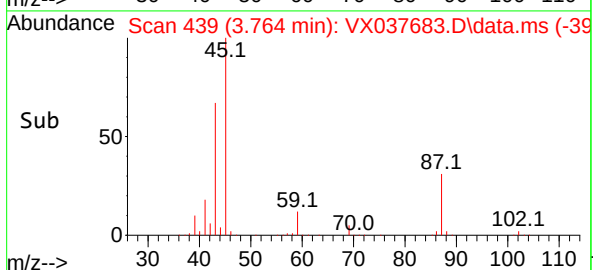
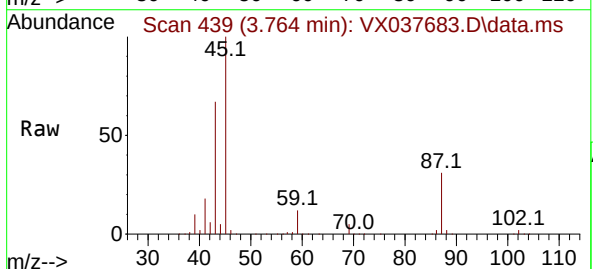
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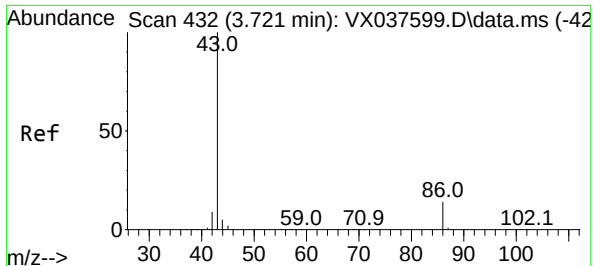
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#22
Diisopropyl ether
Concen: 47.873 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX037683.D
Acq: 13 Sep 2023 10:19

Tgt Ion: 45 Resp: 411804
Ion Ratio Lower Upper
45 100
43 66.7 69.7 104.5#
87 30.5 20.8 31.2
59 11.9 9.0 13.4





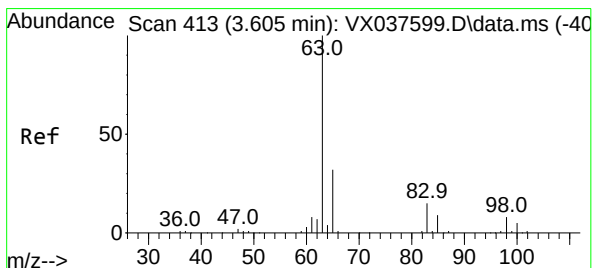
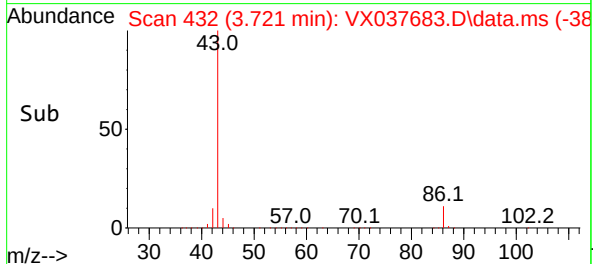
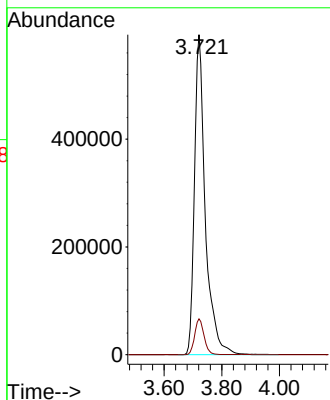
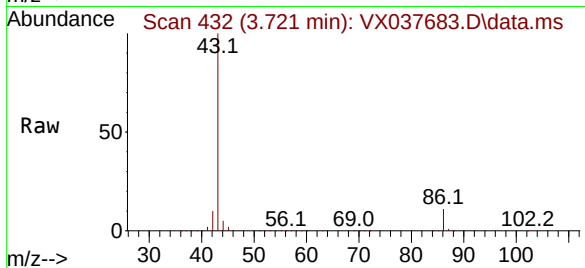
#23
Vinyl Acetate
Concen: 246.868 ug/l
RT: 3.721 min Scan# 411
Delta R.T. 0.000 min
Lab File: VX037683.D
Acq: 13 Sep 2023 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDC050

Tgt Ion: 43 Resp: 154892
Ion Ratio Lower Upper
43 100
86 11.2 7.8 11.8

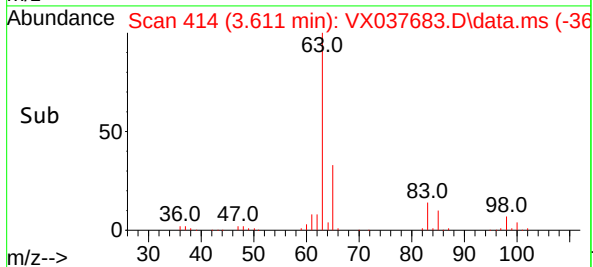
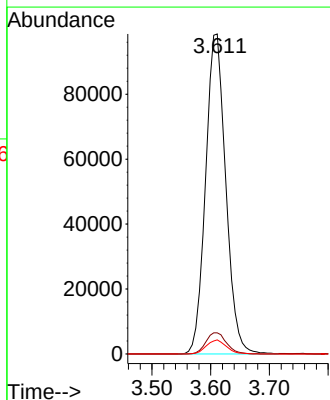
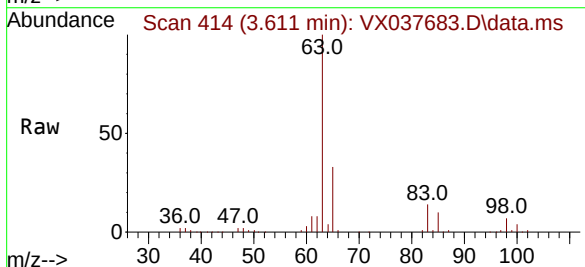
Manual Integrations
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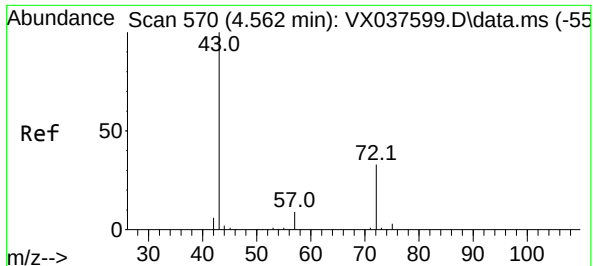
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#24
1,1-Dichloroethane
Concen: 46.975 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX037683.D
Acq: 13 Sep 2023 10:19

Tgt Ion: 63 Resp: 235471
Ion Ratio Lower Upper
63 100
98 6.6 3.3 9.8
100 4.4 2.1 6.5





#25

2-Butanone

Concen: 232.320 ug/l

RT: 4.556 min Scan# 50

Delta R.T. -0.006 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 542820

Ion Ratio Lower Upper

43 100

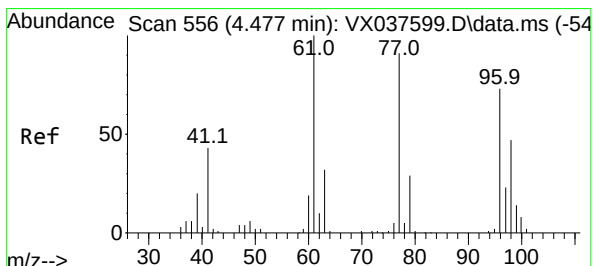
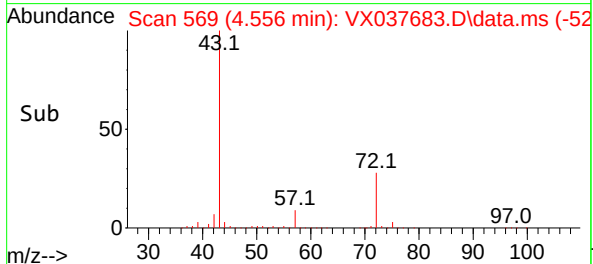
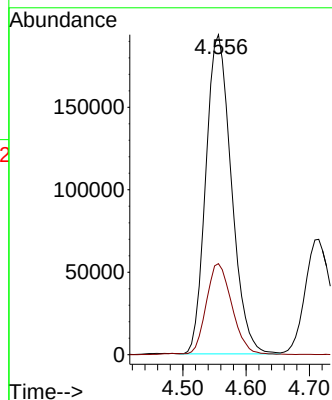
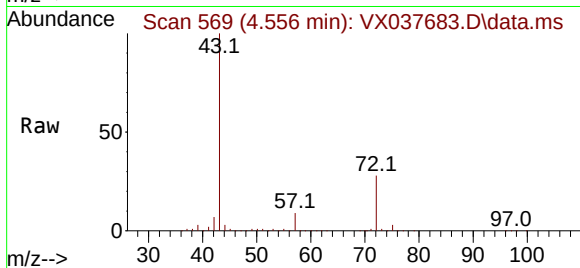
72 28.3 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#26

2,2-Dichloropropane

Concen: 56.788 ug/l

RT: 4.471 min Scan# 555

Delta R.T. -0.006 min

Lab File: VX037683.D

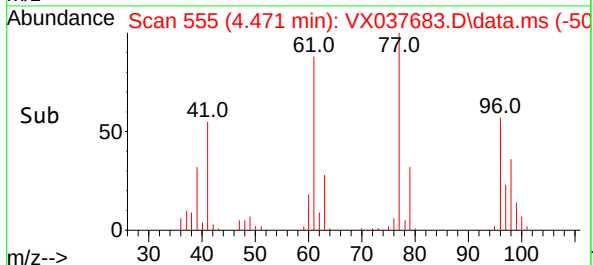
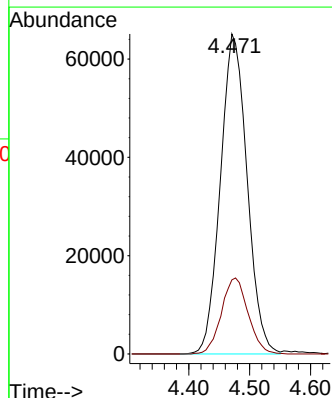
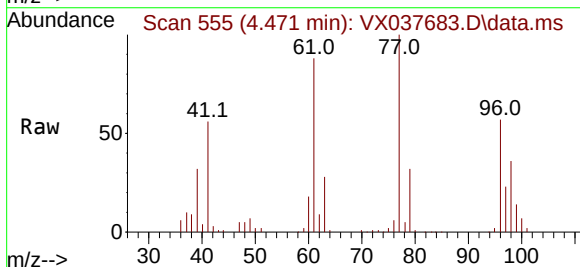
Acq: 13 Sep 2023 10:19

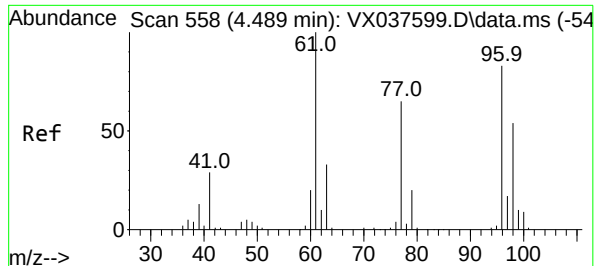
Tgt Ion: 77 Resp: 198013

Ion Ratio Lower Upper

77 100

97 23.7 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 48.448 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 15320

Ion Ratio Lower Upper

96 100

61 141.0 0.0 312.2

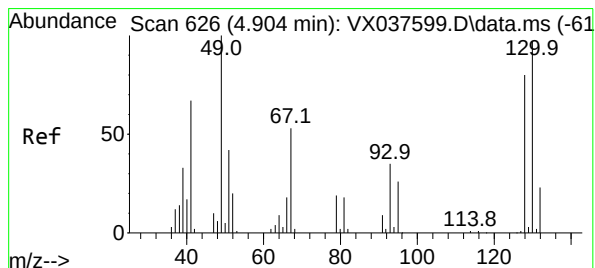
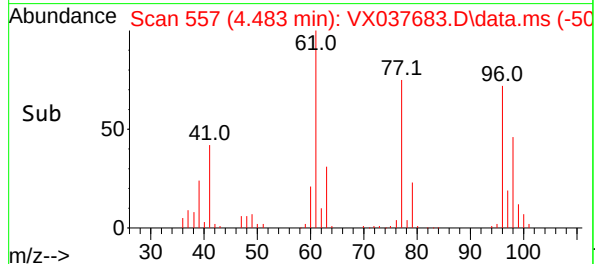
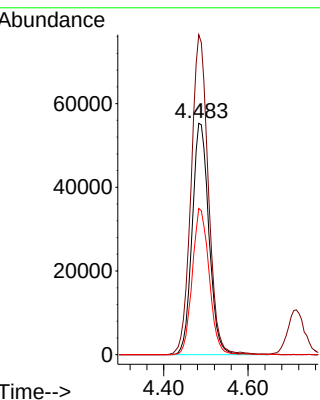
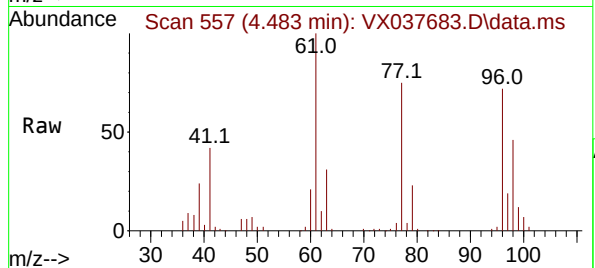
98 63.4 0.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#28

Bromochloromethane

Concen: 44.779 ug/l

RT: 4.898 min Scan# 625

Delta R.T. -0.006 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

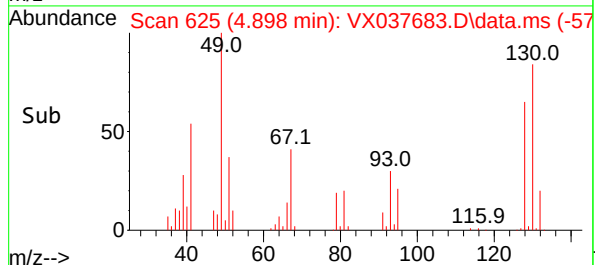
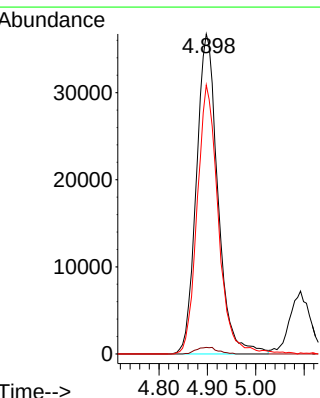
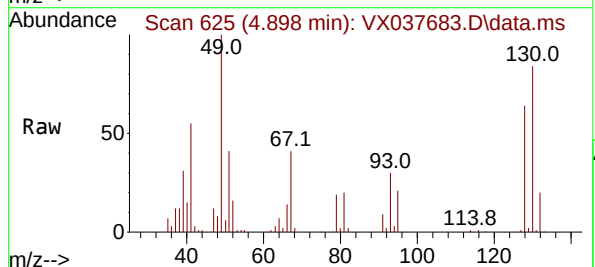
Tgt Ion: 49 Resp: 113403

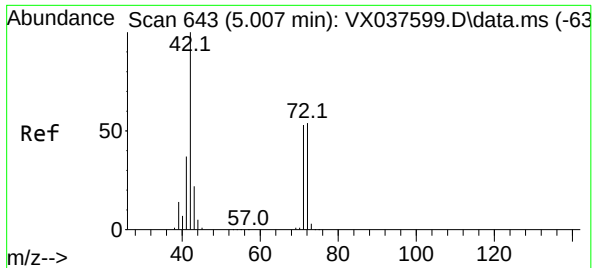
Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

130 81.8 57.5 86.3





#29

Tetrahydrofuran

Concen: 228.553 ug/l

RT: 5.001 min Scan# 643

Delta R.T. -0.006 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 34007

Ion Ratio Lower Upper

42 100

72 48.9 34.2 51.4

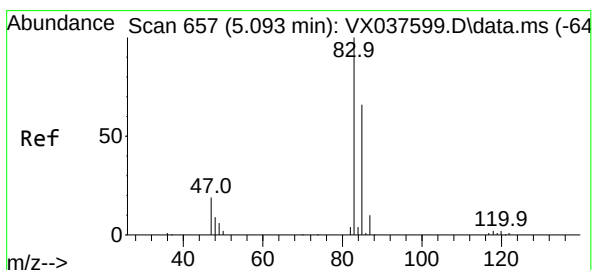
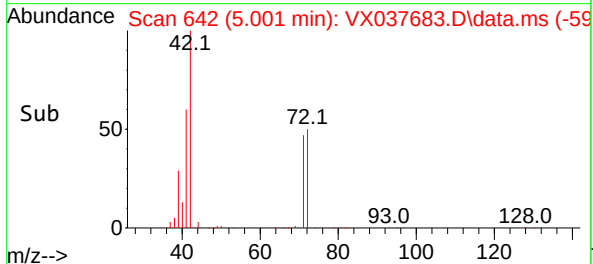
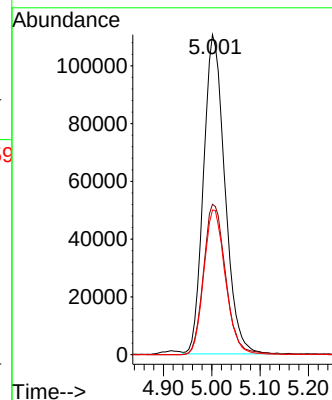
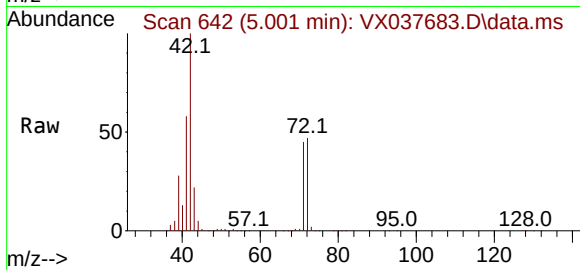
71 46.0 32.2 48.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#30

Chloroform

Concen: 47.295 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.000 min

Lab File: VX037683.D

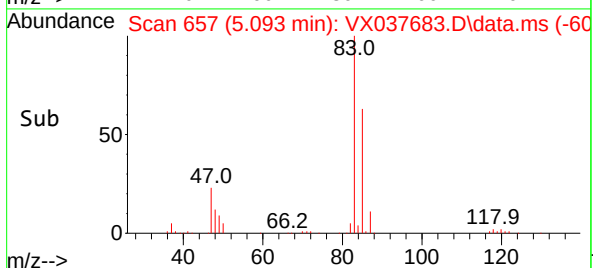
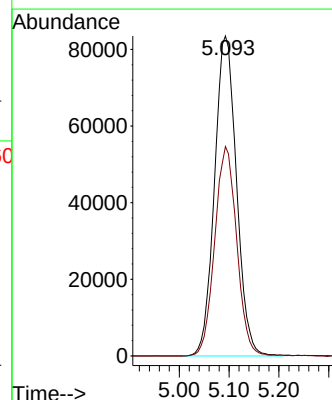
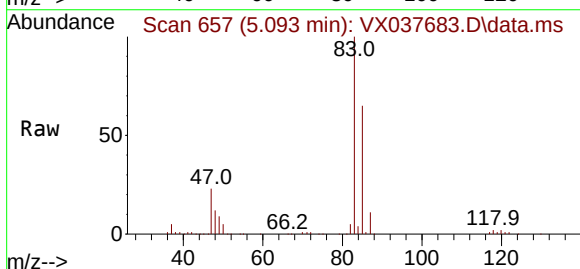
Acq: 13 Sep 2023 10:19

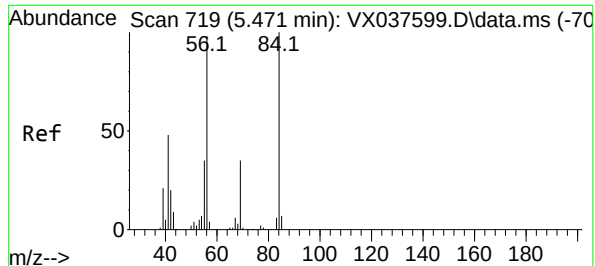
Tgt Ion: 83 Resp: 256033

Ion Ratio Lower Upper

83 100

85 65.4 50.3 75.5





#31

Cyclohexane

Concen: 48.064 ug/l

RT: 5.471 min Scan# 719

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 196178

Ion Ratio Lower Upper

56 100

69 32.2 23.4 35.2

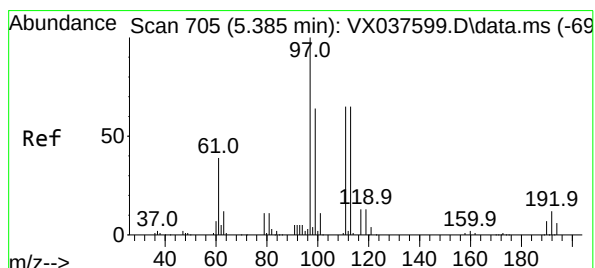
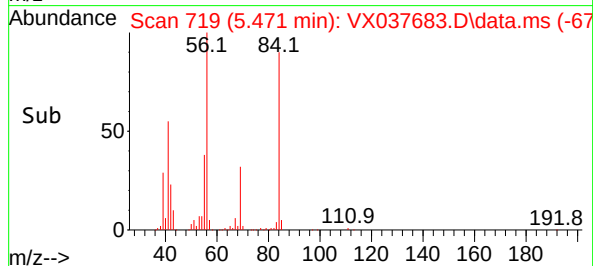
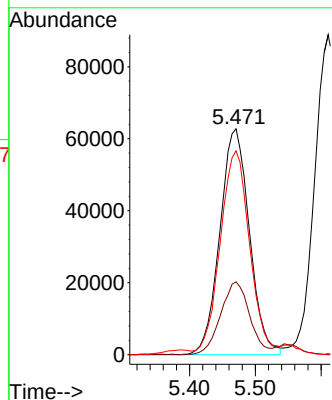
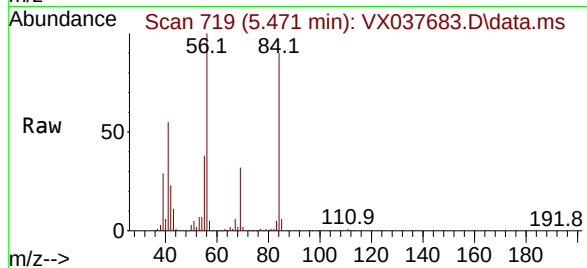
84 88.1 65.9 98.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#32

1,1,1-Trichloroethane

Concen: 49.395 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

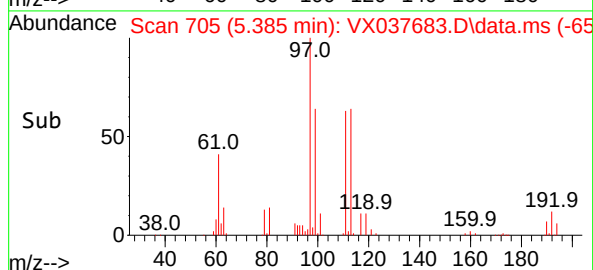
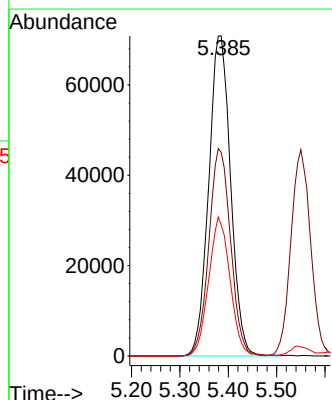
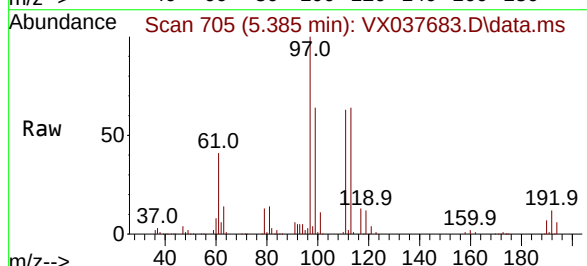
Tgt Ion: 97 Resp: 222553

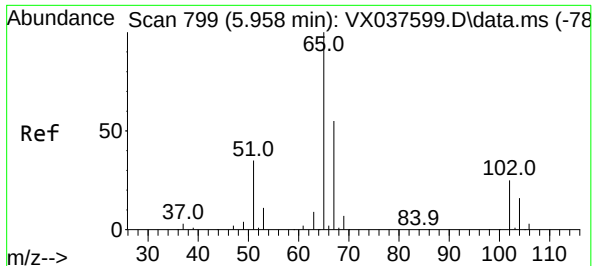
Ion Ratio Lower Upper

97 100

99 64.3 51.1 76.7

61 42.5 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 44.621 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 158158

Ion Ratio Lower Upper

65 100

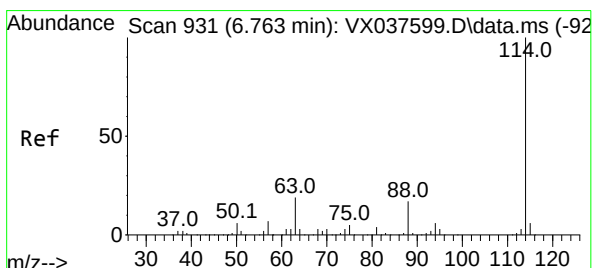
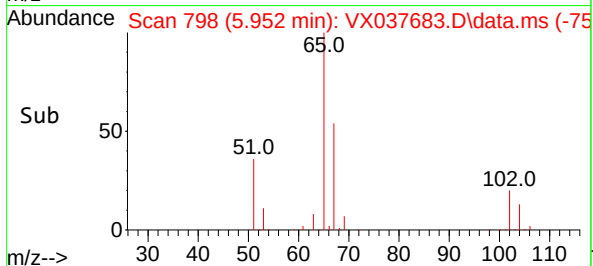
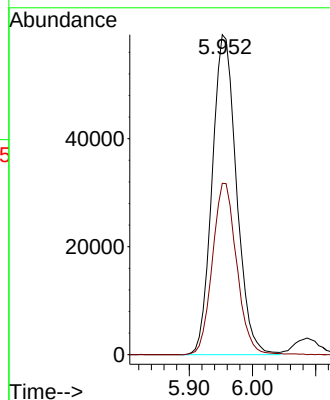
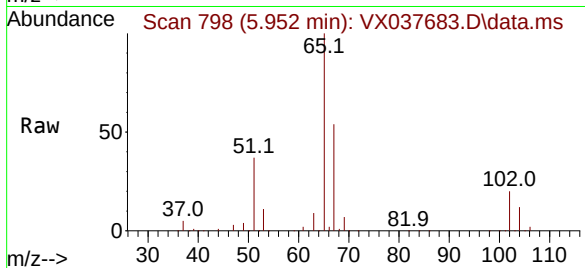
67 53.6 0.0 100.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

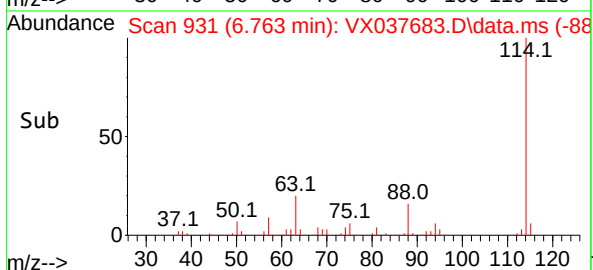
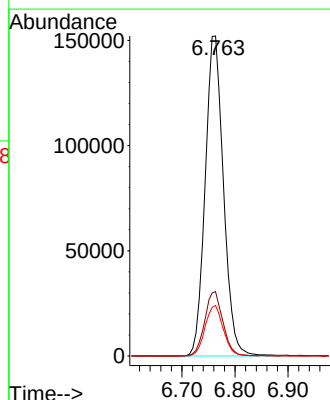
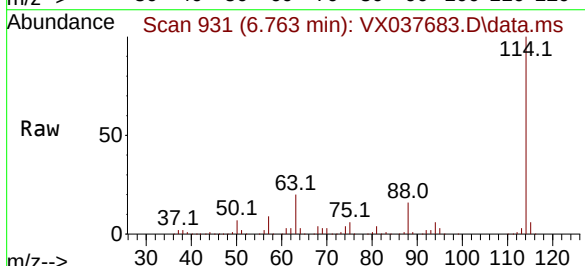
Tgt Ion:114 Resp: 364258

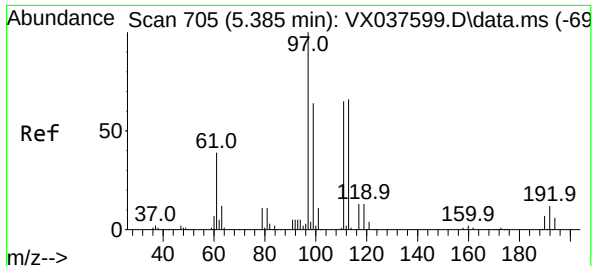
Ion Ratio Lower Upper

114 100

63 20.1 0.0 45.0

88 15.8 0.0 36.6





#35

Dibromofluoromethane

Concen: 51.333 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 13253

Ion Ratio Lower Upper

113 100

111 103.1 82.9 124.3

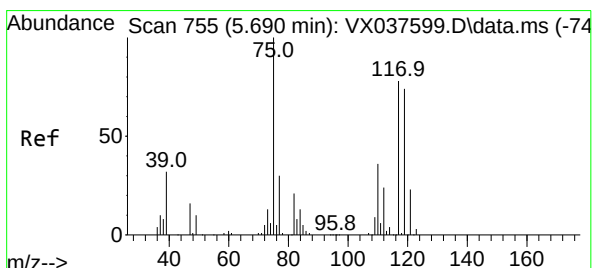
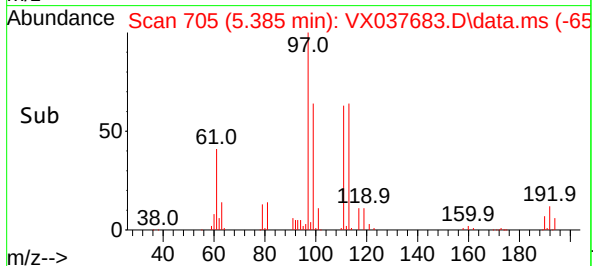
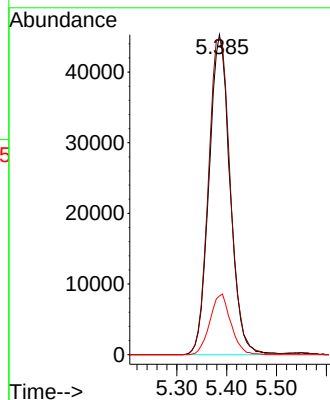
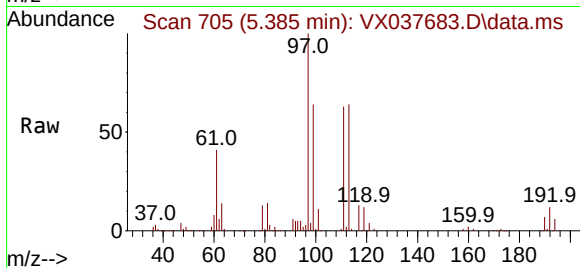
192 18.9 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#36

1,1-Dichloropropene

Concen: 50.314 ug/l

RT: 5.690 min Scan# 755

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

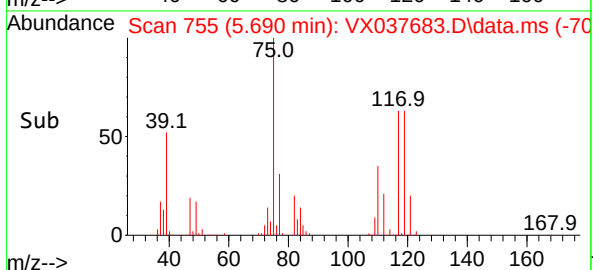
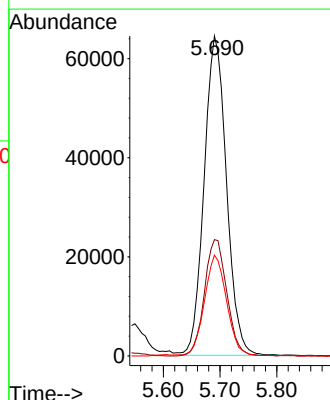
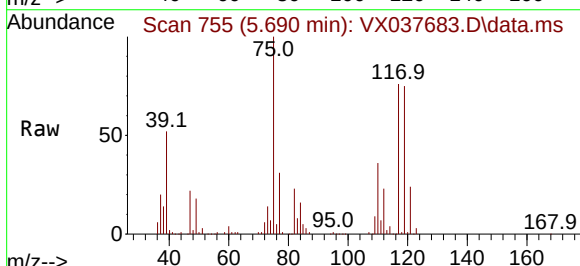
Tgt Ion: 75 Resp: 176720

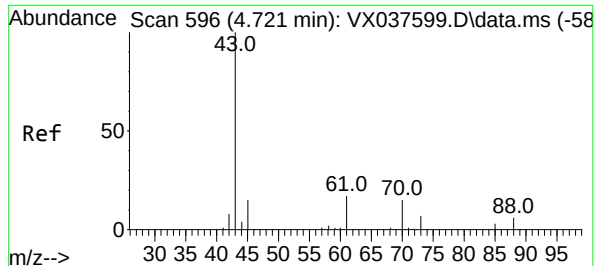
Ion Ratio Lower Upper

75 100

110 36.6 17.0 50.9

77 30.8 24.7 37.1





#37

Ethyl Acetate

Concen: 50.989 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.006 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 20492

Ion Ratio Lower Upper

43 100

61 15.1 10.6 16.0

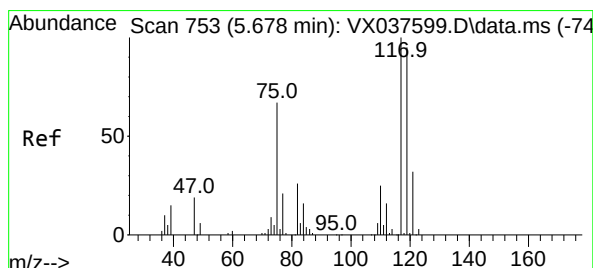
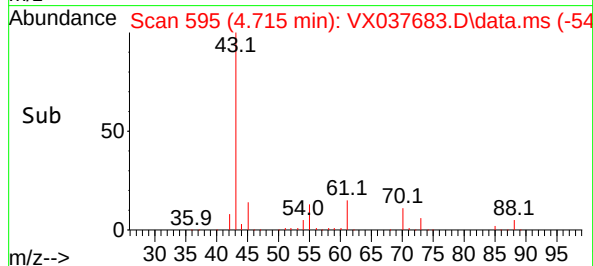
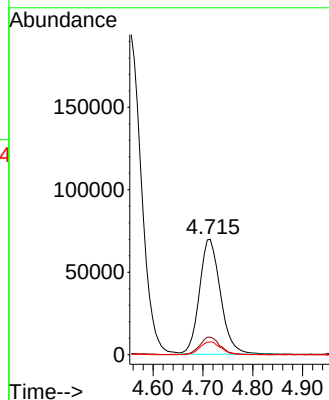
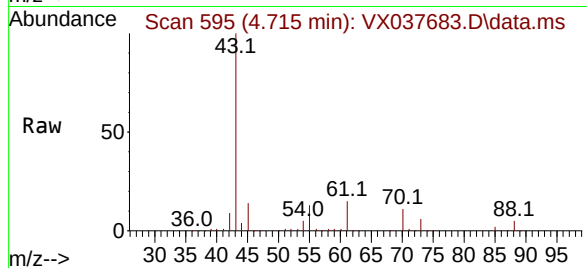
70 11.2 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#38

Carbon Tetrachloride

Concen: 53.310 ug/l

RT: 5.678 min Scan# 753

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

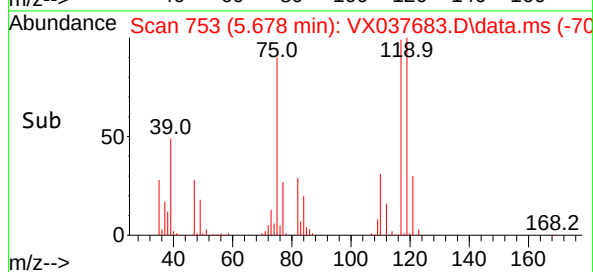
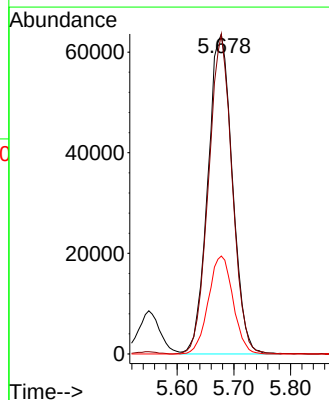
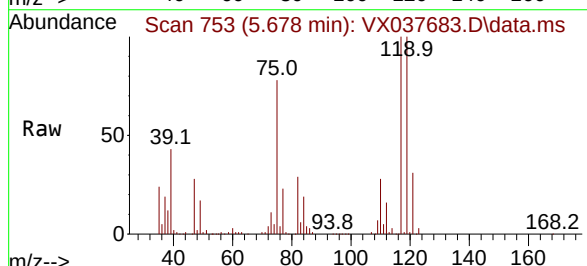
Tgt Ion:117 Resp: 191286

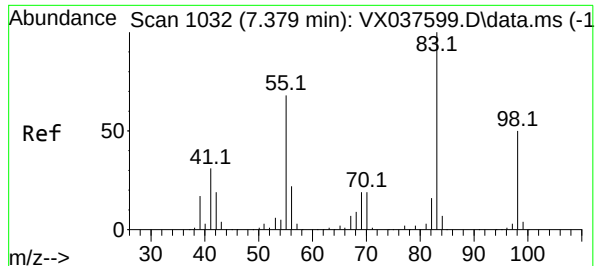
Ion Ratio Lower Upper

117 100

119 99.9 78.2 117.2

121 30.6 24.4 36.6





#39

Methylcyclohexane

Concen: 54.325 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 22578

Ion Ratio Lower Upper

83 100

55 73.0 64.6 97.0

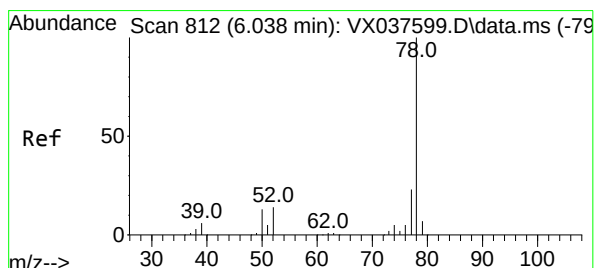
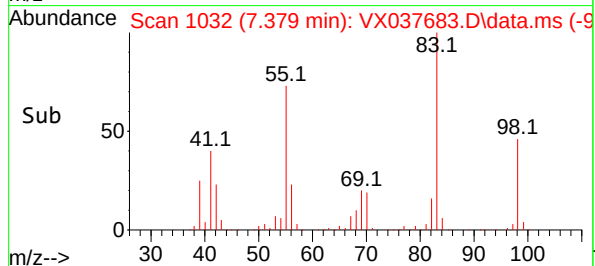
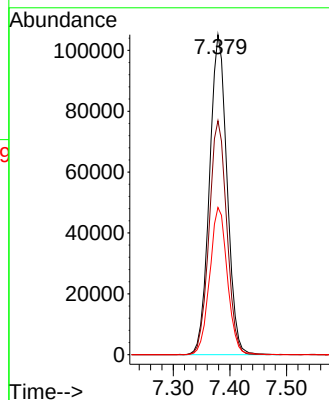
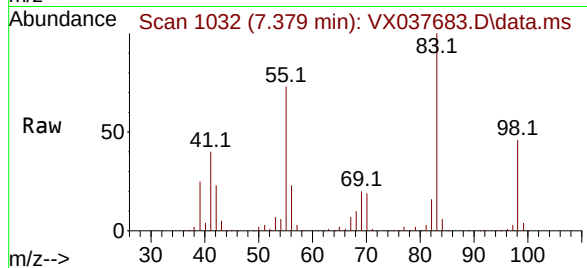
98 46.0 36.7 55.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#40

Benzene

Concen: 51.108 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.000 min

Lab File: VX037683.D

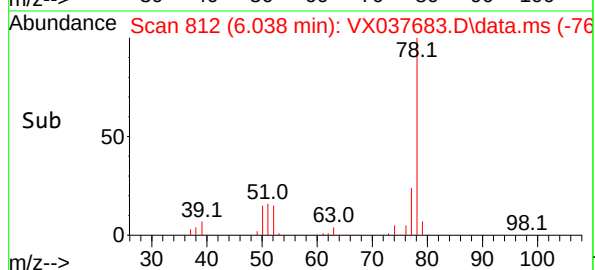
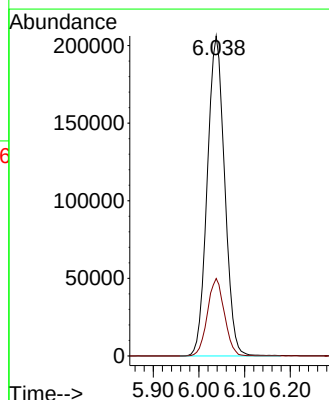
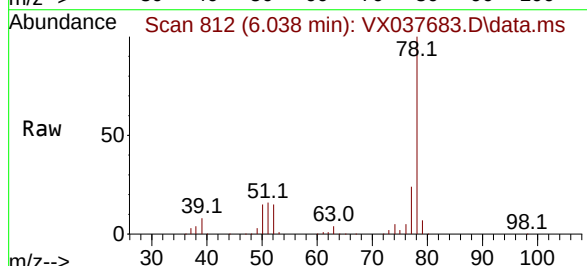
Acq: 13 Sep 2023 10:19

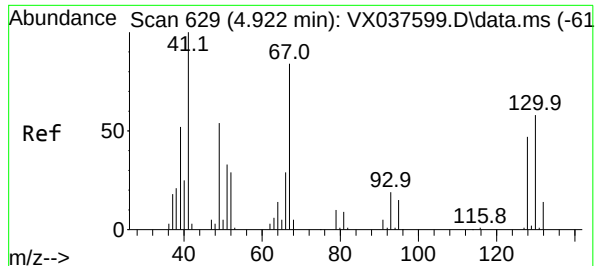
Tgt Ion: 78 Resp: 544199

Ion Ratio Lower Upper

78 100

77 24.2 19.3 28.9





#41

Methacrylonitrile

Concen: 50.342 ug/l

RT: 4.916 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 10656

Ion Ratio Lower Upper

41 100

39 55.9 45.2 67.8

67 81.2 52.6 78.8

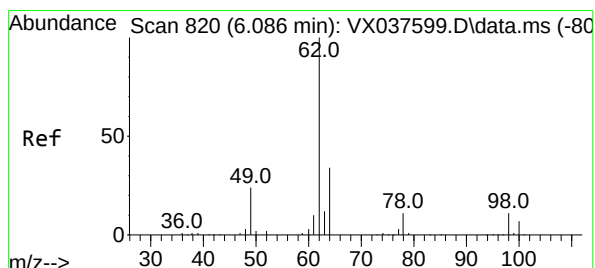
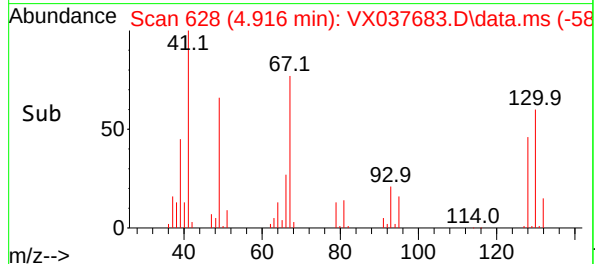
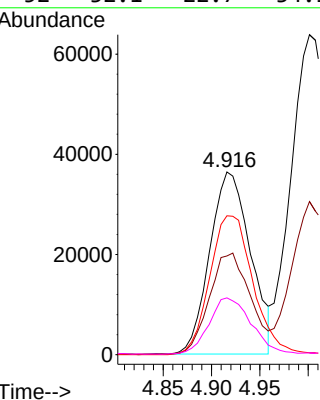
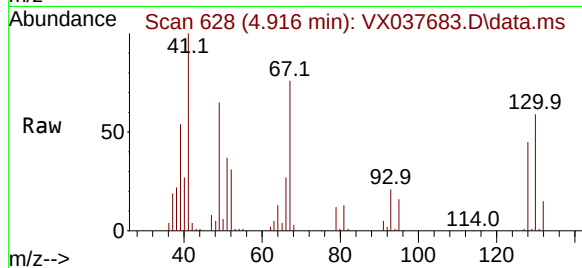
52 32.1 22.7 34.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#42

1,2-Dichloroethane

Concen: 48.659 ug/l

RT: 6.086 min Scan# 820

Delta R.T. 0.000 min

Lab File: VX037683.D

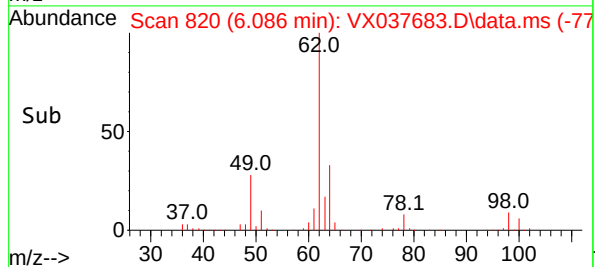
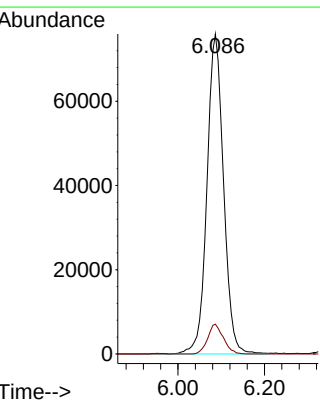
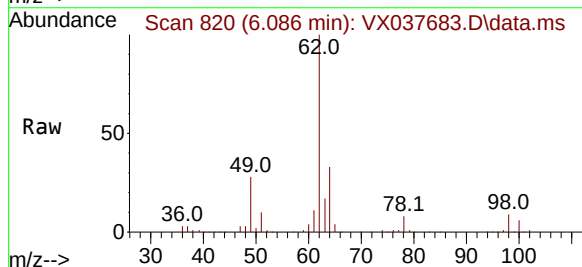
Acq: 13 Sep 2023 10:19

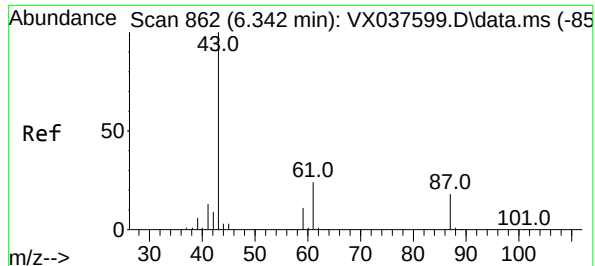
Tgt Ion: 62 Resp: 202505

Ion Ratio Lower Upper

62 100

98 8.8 0.0 16.0





#43

Isopropyl Acetate

Concen: 52.056 ug/l

RT: 6.342 min Scan# 862

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 333764

Ion Ratio Lower Upper

43 100

61 19.9 15.2 22.8

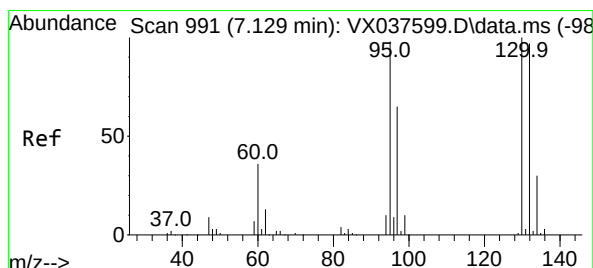
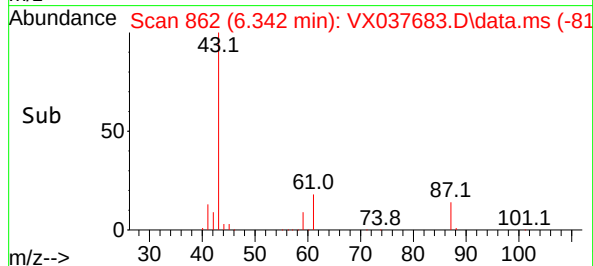
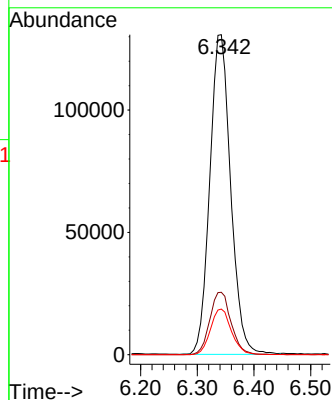
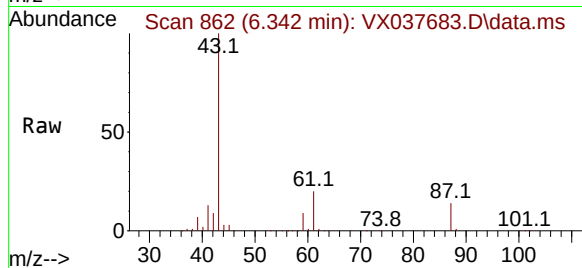
87 14.4 9.8 14.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#44

Trichloroethene

Concen: 53.230 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.006 min

Lab File: VX037683.D

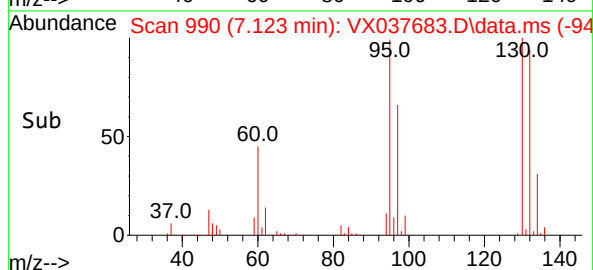
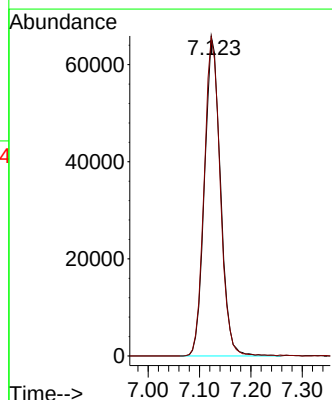
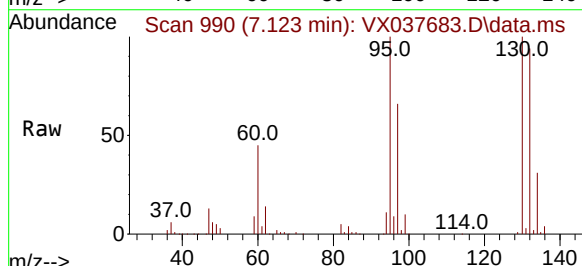
Acq: 13 Sep 2023 10:19

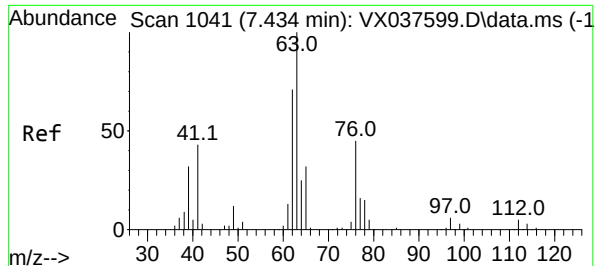
Tgt Ion:130 Resp: 141611

Ion Ratio Lower Upper

130 100

95 99.5 0.0 204.4





#45

1,2-Dichloropropane

Concen: 50.599 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 14218

Ion Ratio Lower Upper

63 100

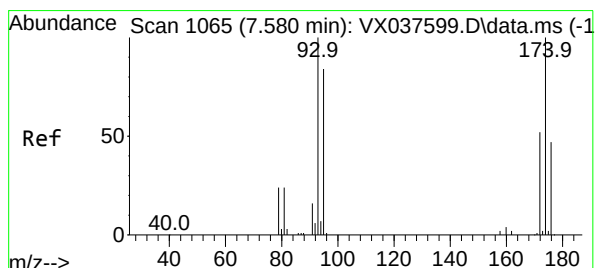
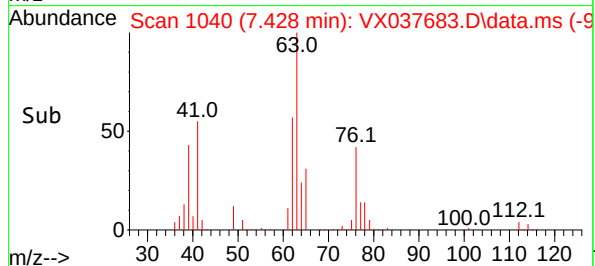
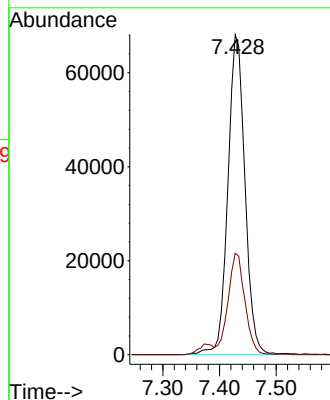
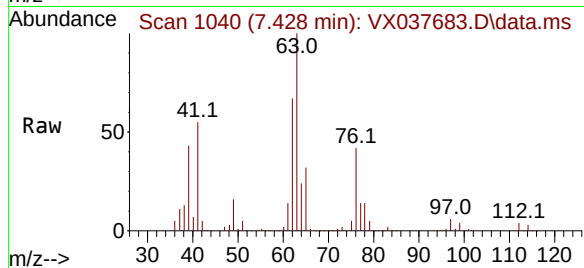
65 31.7 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#46

Dibromomethane

Concen: 51.346 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

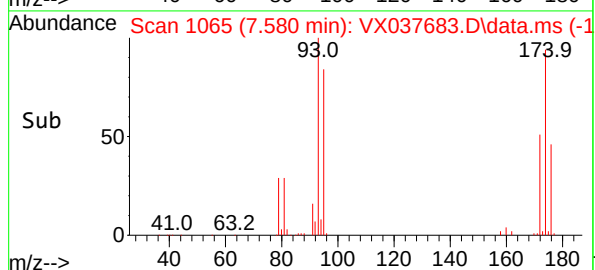
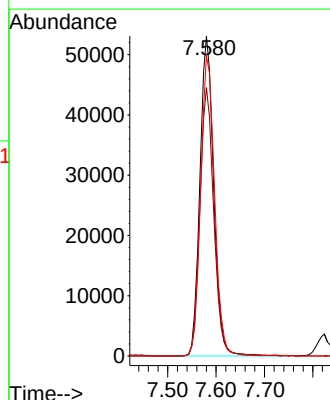
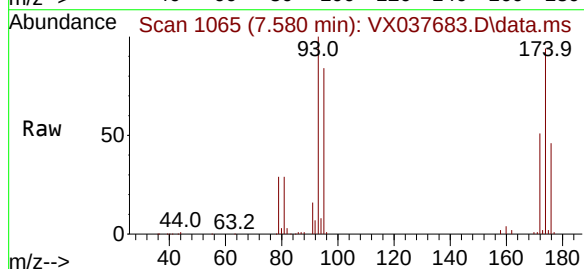
Tgt Ion: 93 Resp: 104969

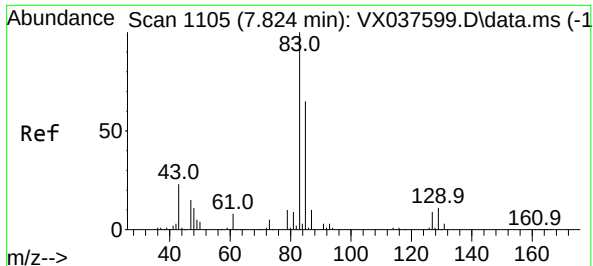
Ion Ratio Lower Upper

93 100

95 83.8 66.6 100.0

174 94.9 69.4 104.0





#47

Bromodichloromethane

Concen: 53.850 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

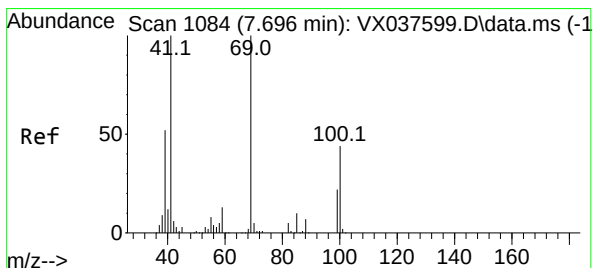
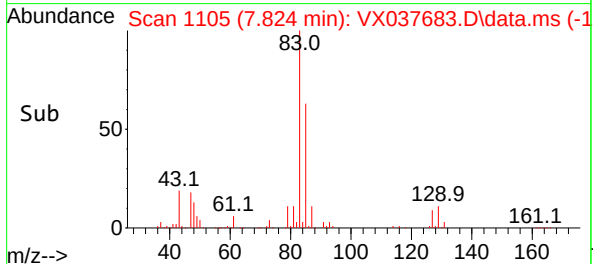
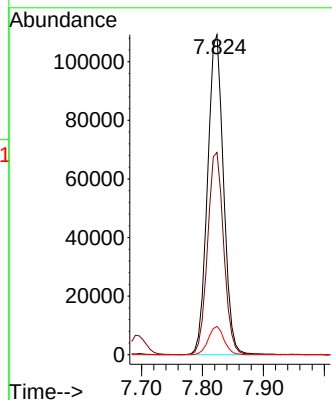
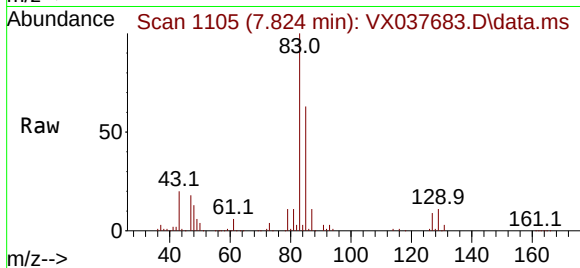
VSTDCCC050

Tgt Ion:	83	Resp:	198734
Ion	Ratio	Lower	Upper
83	100		
85	63.2	49.8	74.6
127	8.9	7.1	10.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#48

Methyl methacrylate

Concen: 52.074 ug/l

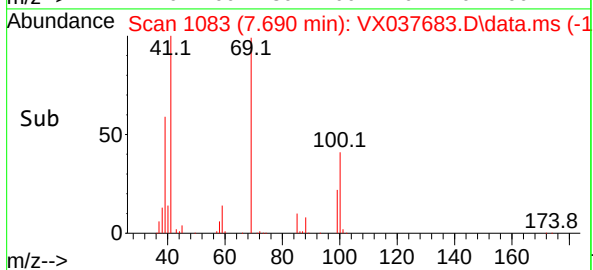
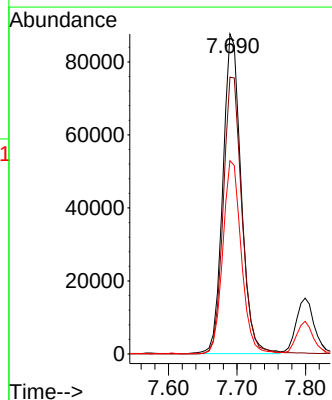
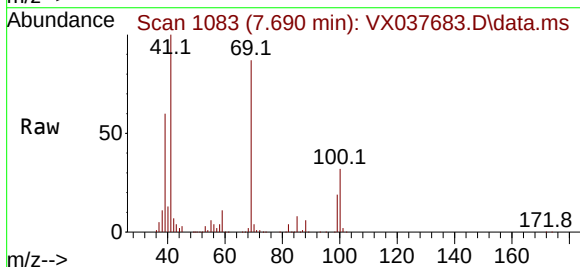
RT: 7.690 min Scan# 1083

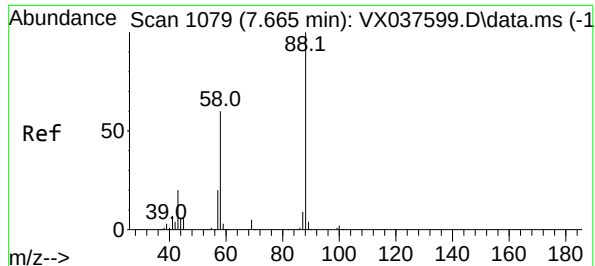
Delta R.T. -0.006 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Tgt Ion:	41	Resp:	161394
Ion	Ratio	Lower	Upper
41	100		
69	89.2	59.2	88.8
39	60.9	47.7	71.5





#49

1,4-Dioxane

Concen: 1075.778 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. -0.006 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 8260

Ion Ratio Lower Upper

88 100

43 29.6 0.0 0.0

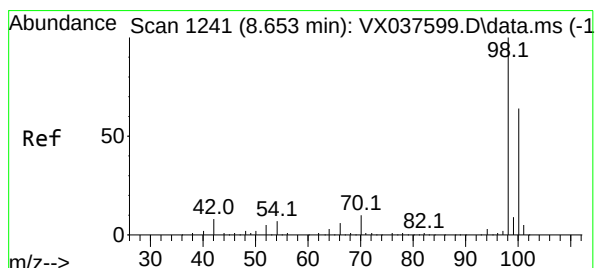
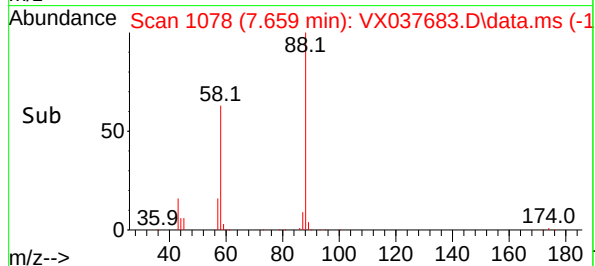
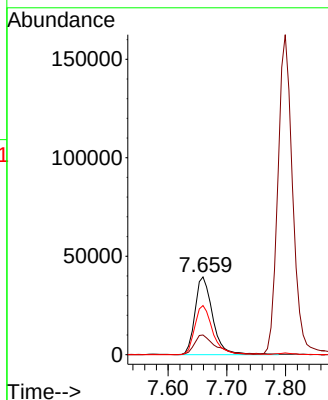
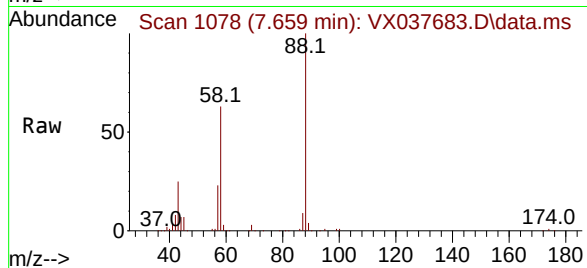
58 63.8 60.1 90.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#50

Toluene-d8

Concen: 51.178 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX037683.D

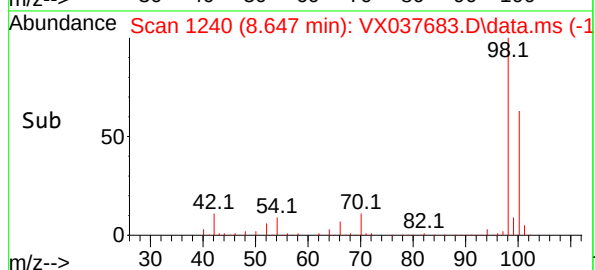
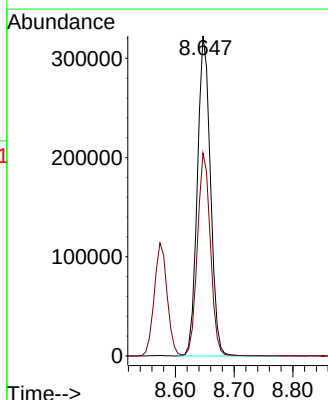
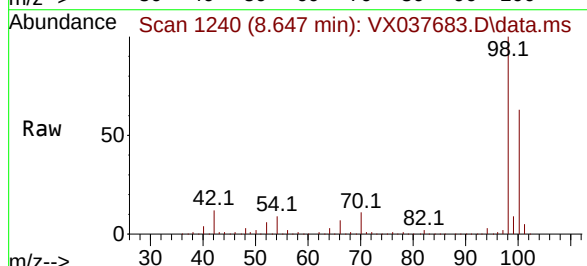
Acq: 13 Sep 2023 10:19

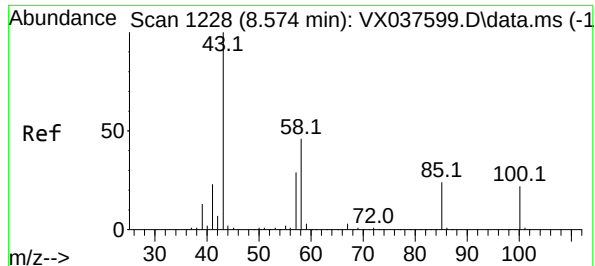
Tgt Ion: 98 Resp: 498344

Ion Ratio Lower Upper

98 100

100 63.1 53.1 79.7





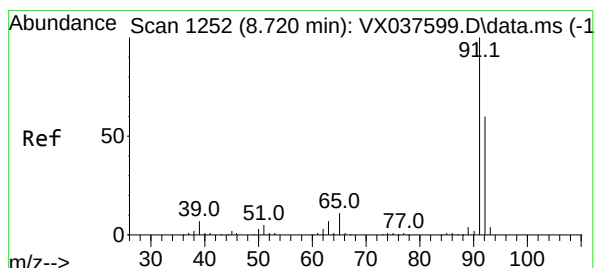
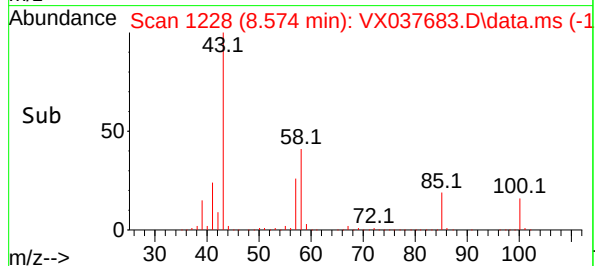
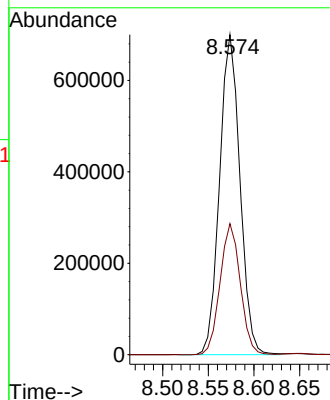
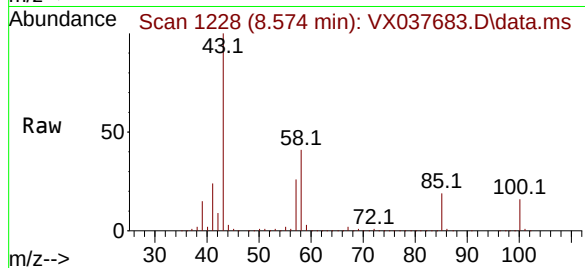
#51
4-Methyl-2-Pentanone
Concen: 257.993 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX037683.D
Acq: 13 Sep 2023 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 108617
Ion Ratio Lower Upper
43 100
58 40.6 30.4 45.6

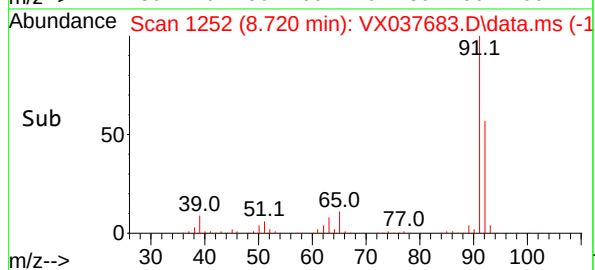
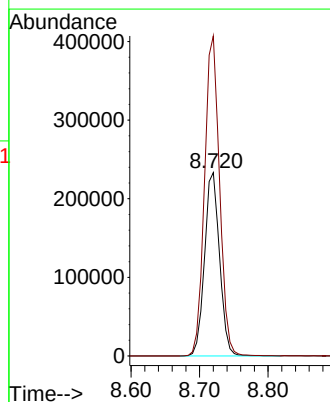
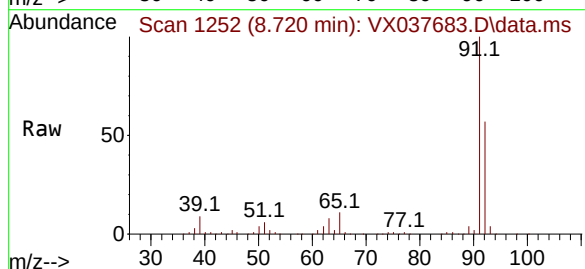
Manual Integrations
APPROVED

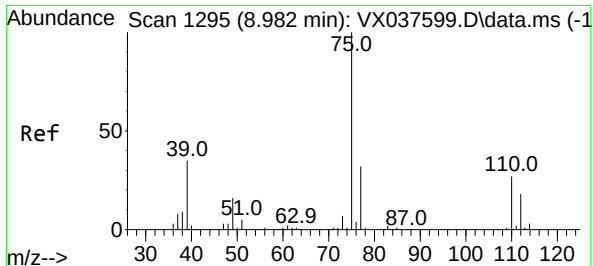
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#52
Toluene
Concen: 51.951 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX037683.D
Acq: 13 Sep 2023 10:19

Tgt Ion: 92 Resp: 355668
Ion Ratio Lower Upper
92 100
91 175.0 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 58.734 ug/l

RT: 8.976 min Scan# 1295

Delta R.T. -0.006 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 219759

Ion Ratio Lower Upper

75 100

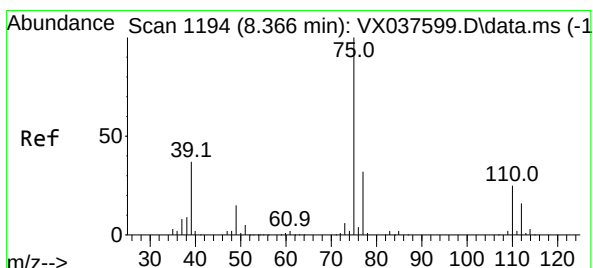
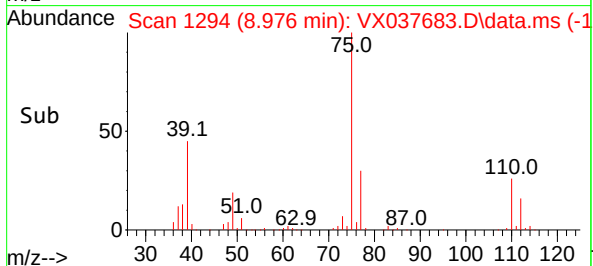
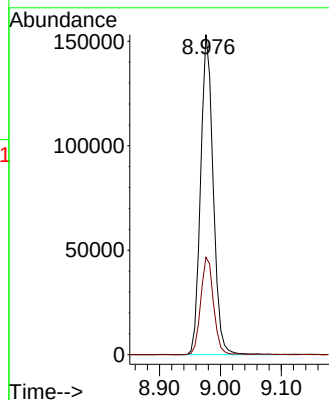
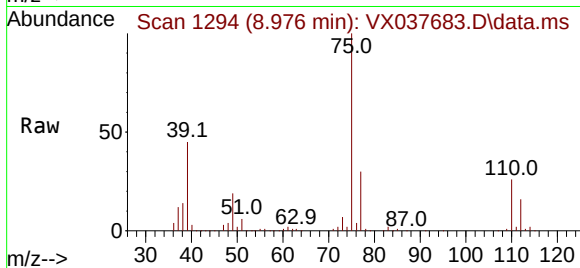
77 30.5 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#54

cis-1,3-Dichloropropene

Concen: 56.426 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

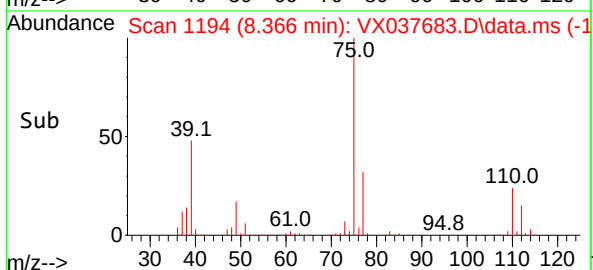
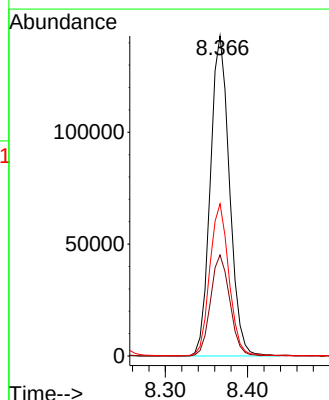
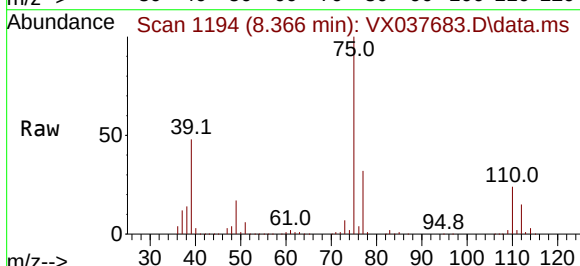
Tgt Ion: 75 Resp: 231663

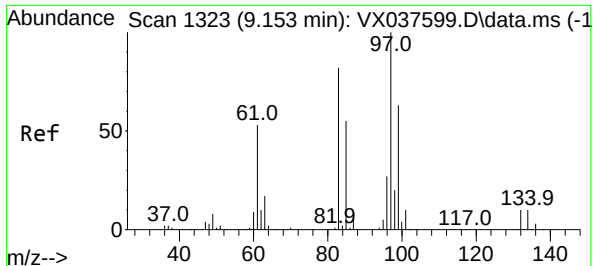
Ion Ratio Lower Upper

75 100

77 31.5 25.3 37.9

39 47.5 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 53.396 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 153932

Ion Ratio Lower Upper

97 100

83 87.6 65.8 98.8

85 56.1 41.6 62.4

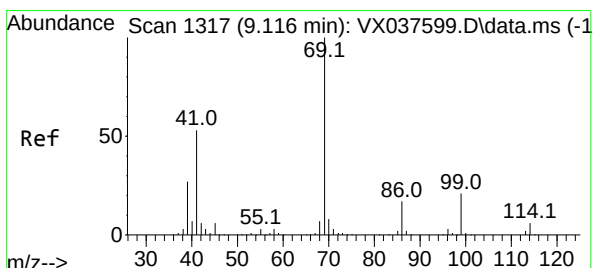
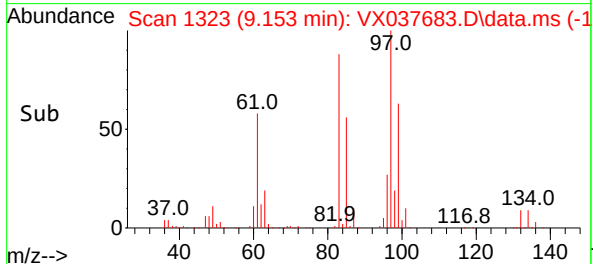
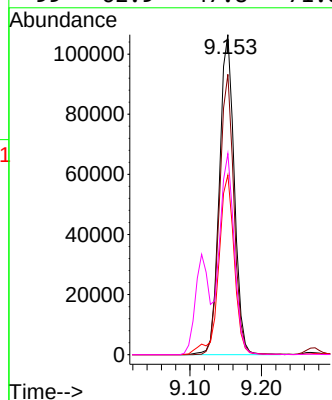
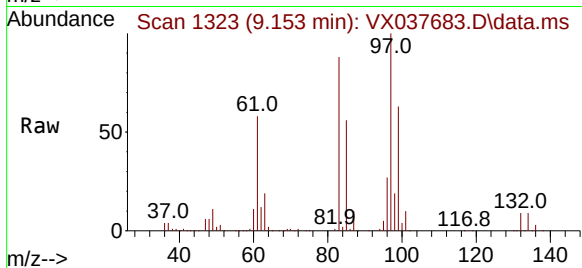
99 62.9 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#56

Ethyl methacrylate

Concen: 53.950 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

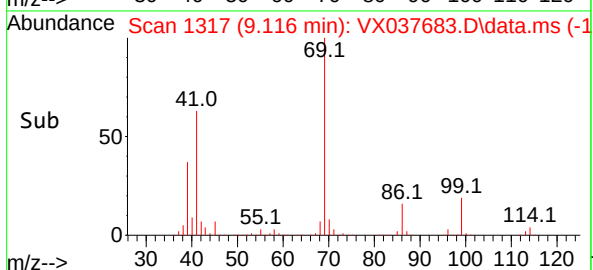
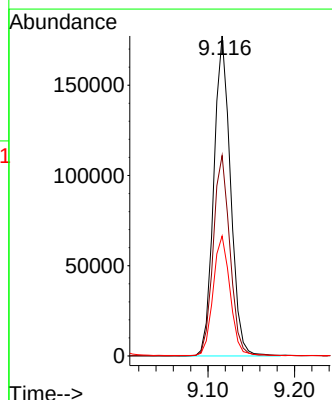
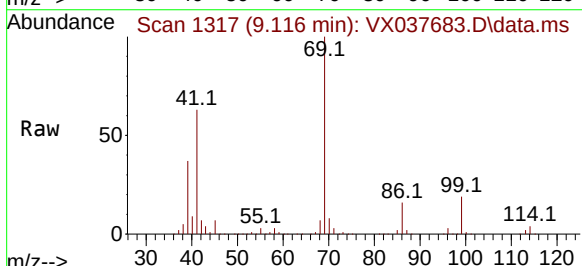
Tgt Ion: 69 Resp: 237962

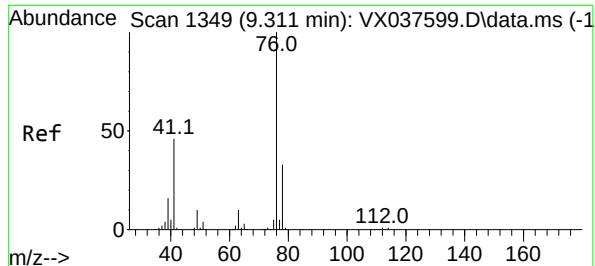
Ion Ratio Lower Upper

69 100

41 62.5 56.8 85.2

39 38.0 32.0 48.0





#57

1,3-Dichloropropane

Concen: 51.133 ug/l

RT: 9.311 min Scan# 1134

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 247259

Ion Ratio Lower Upper

76 100

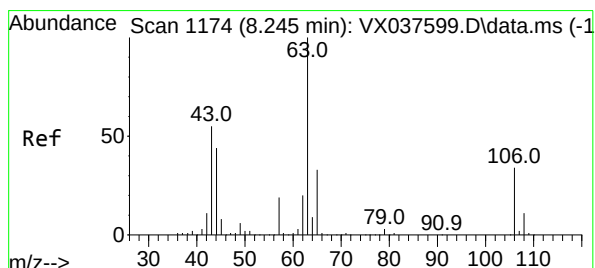
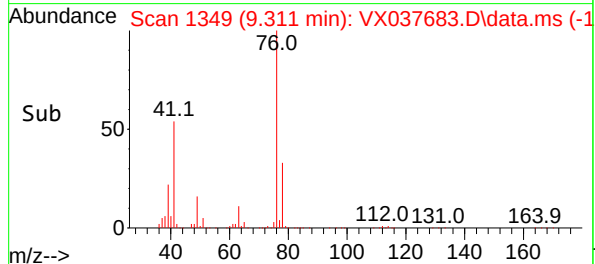
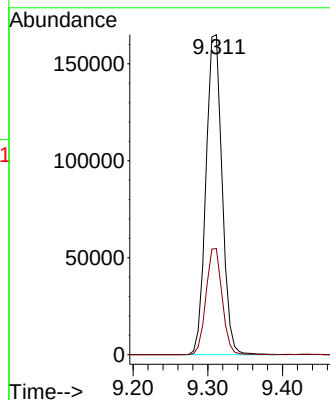
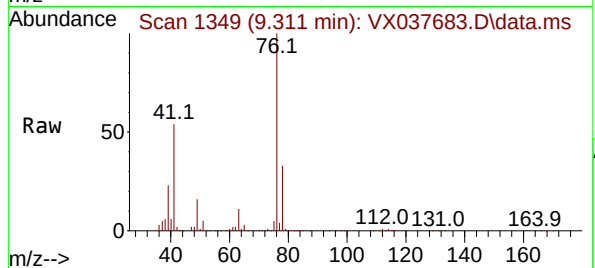
78 33.2 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#58

2-Chloroethyl Vinyl ether

Concen: 286.517 ug/l

RT: 8.245 min Scan# 1174

Delta R.T. 0.000 min

Lab File: VX037683.D

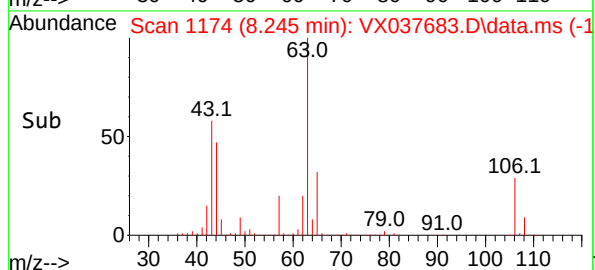
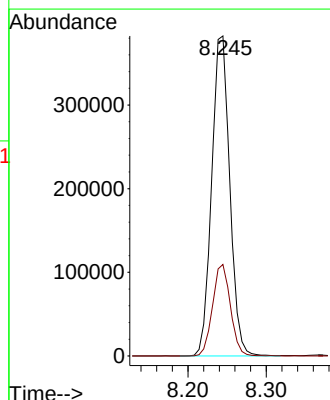
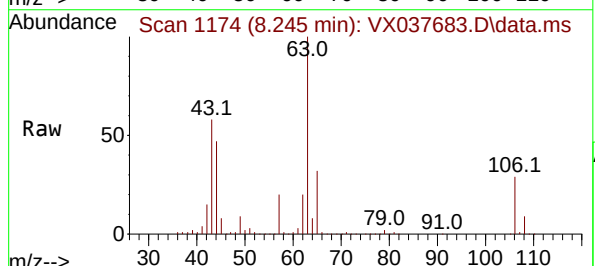
Acq: 13 Sep 2023 10:19

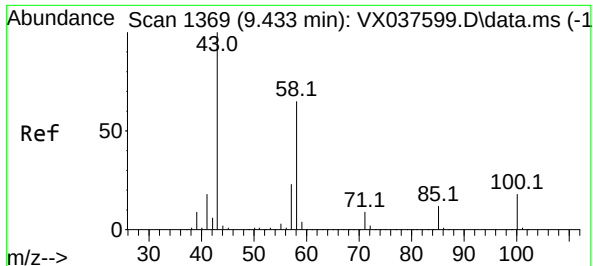
Tgt Ion: 63 Resp: 612770

Ion Ratio Lower Upper

63 100

106 28.2 22.5 33.7





#59

2-Hexanone

Concen: 261.476 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.006 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 84973

Ion Ratio Lower Upper

43 100

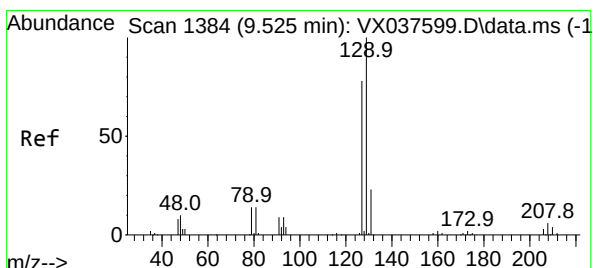
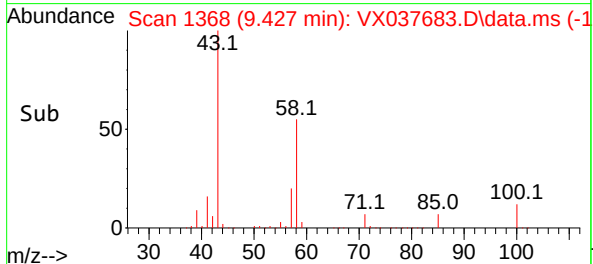
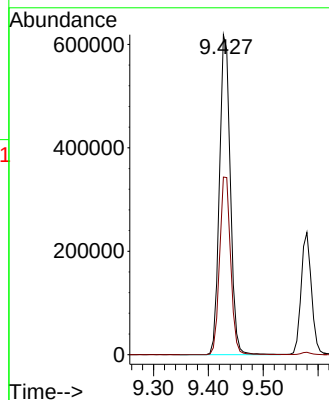
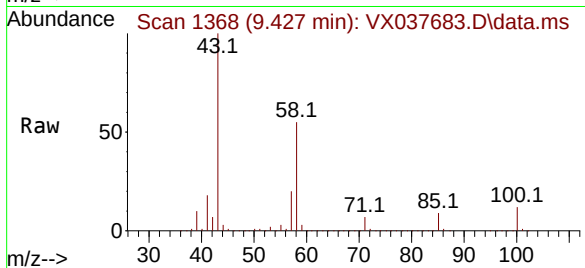
58 56.3 26.2 78.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#60

Dibromochloromethane

Concen: 57.327 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.006 min

Lab File: VX037683.D

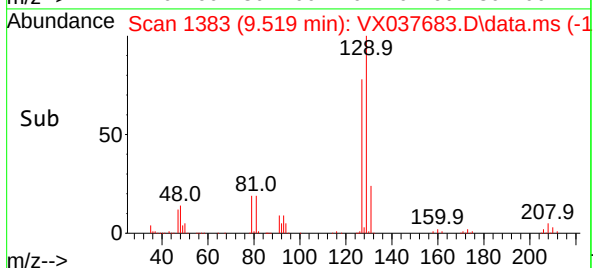
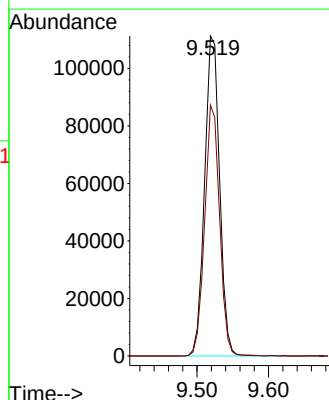
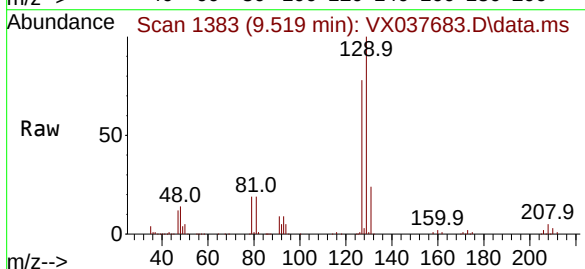
Acq: 13 Sep 2023 10:19

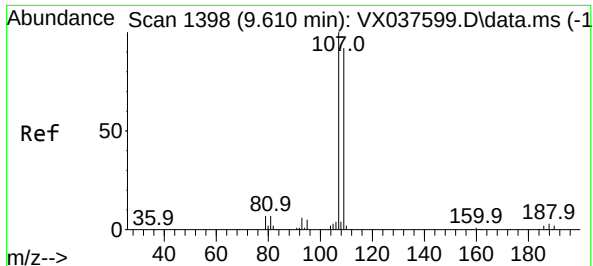
Tgt Ion:129 Resp: 162330

Ion Ratio Lower Upper

129 100

127 77.7 38.8 116.4





#61

1,2-Dibromoethane

Concen: 53.035 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:107 Resp: 16434

Ion Ratio Lower Upper

107 100

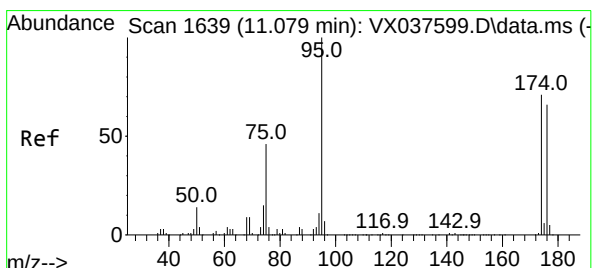
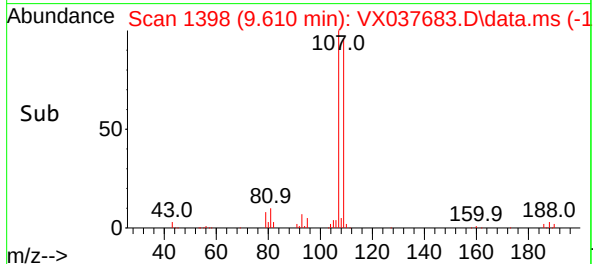
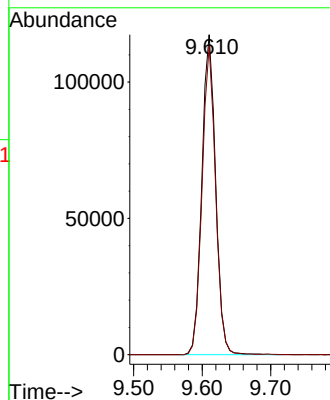
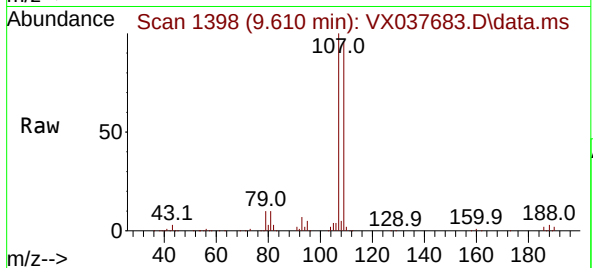
109 94.6 75.2 112.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#62

4-Bromofluorobenzene

Concen: 53.456 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

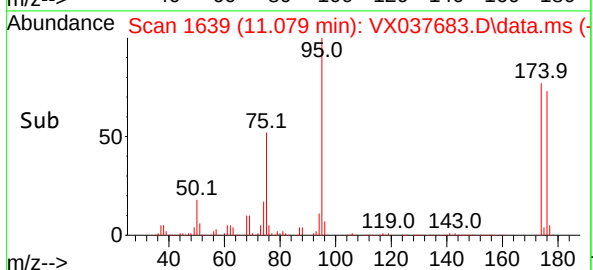
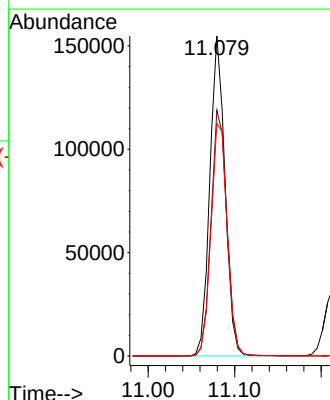
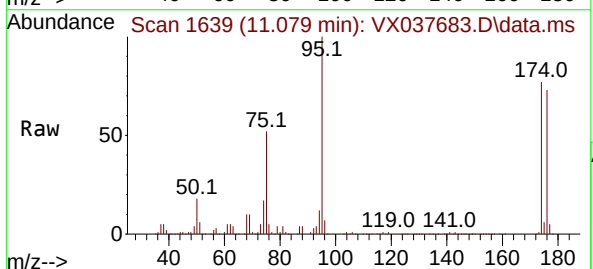
Tgt Ion: 95 Resp: 187793

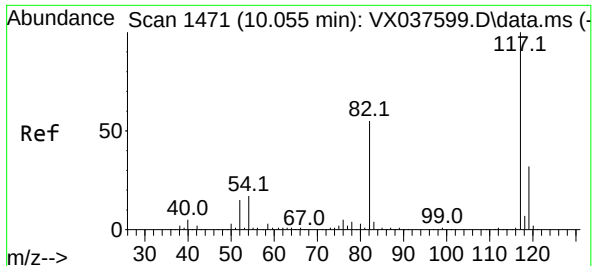
Ion Ratio Lower Upper

95 100

174 80.7 0.0 135.6

176 77.6 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

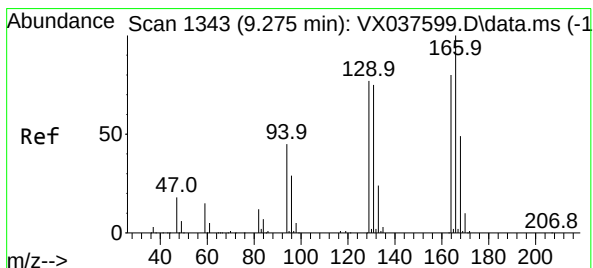
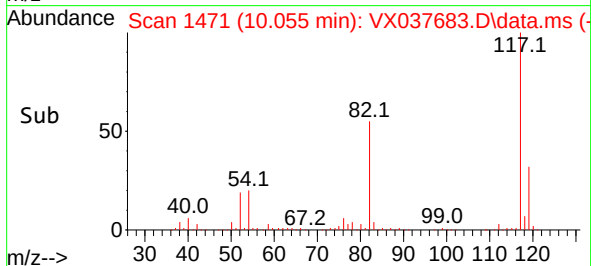
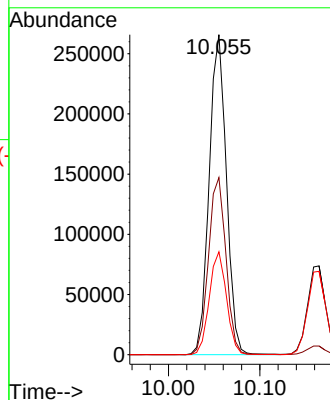
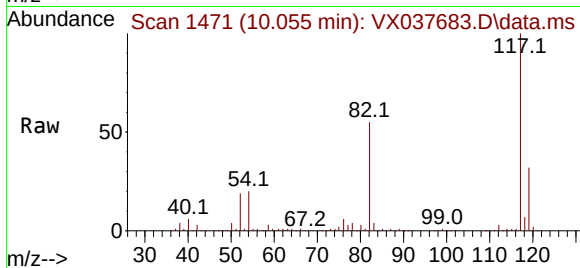
Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:117	Resp: 34904
Ion Ratio	Lower Upper
117 100	
82 55.3	46.2 69.4
119 32.1	25.5 38.3

Manual Integrations
APPROVEDReviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023

#64

Tetrachloroethene

Concen: 53.346 ug/l

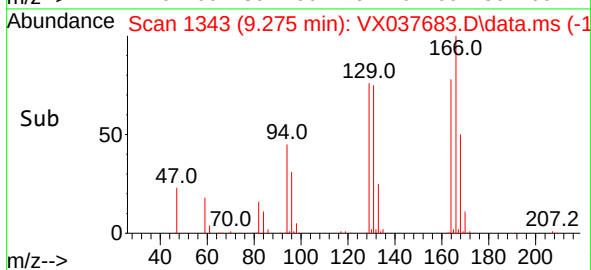
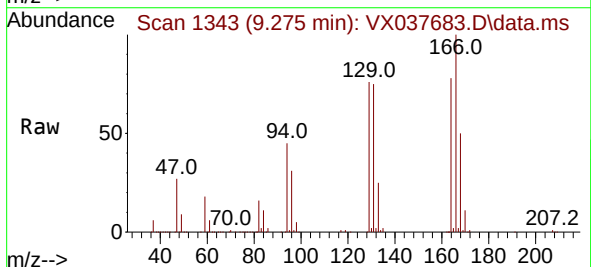
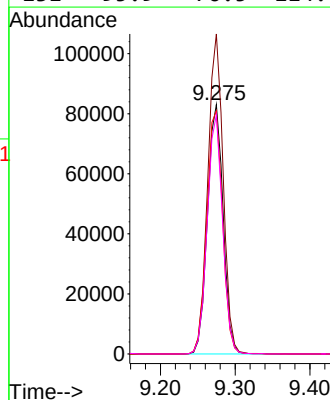
RT: 9.275 min Scan# 1343

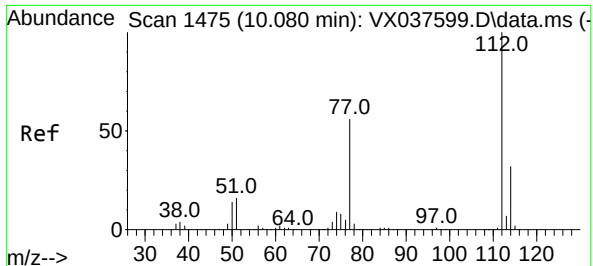
Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Tgt Ion:164	Resp: 120642
Ion Ratio	Lower Upper
164 100	
166 128.4	102.7 154.1
129 97.5	80.4 120.6
131 95.9	76.5 114.7





#65

Chlorobenzene

Concen: 52.870 ug/l

RT: 10.080 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 39333

Ion Ratio Lower Upper

112 100

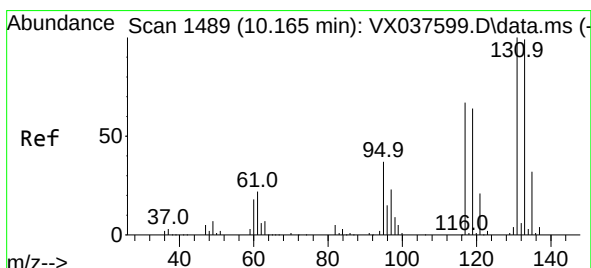
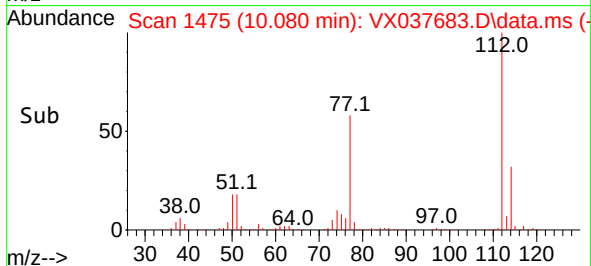
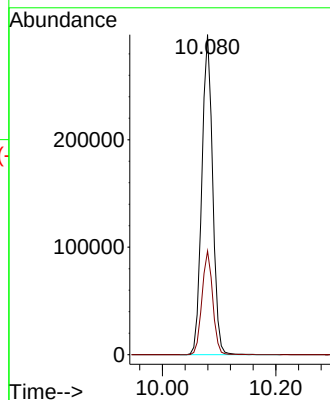
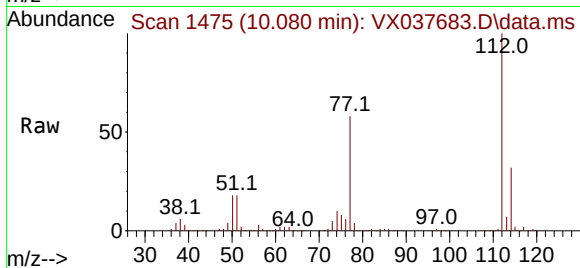
114 32.4 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#66

1,1,1,2-Tetrachloroethane

Concen: 56.574 ug/l

RT: 10.165 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

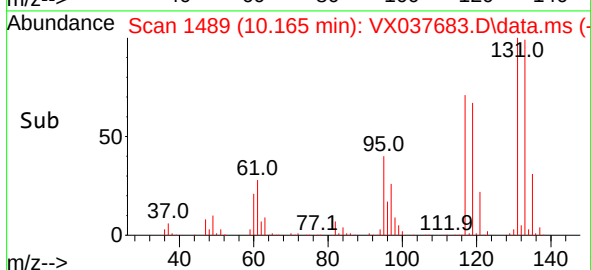
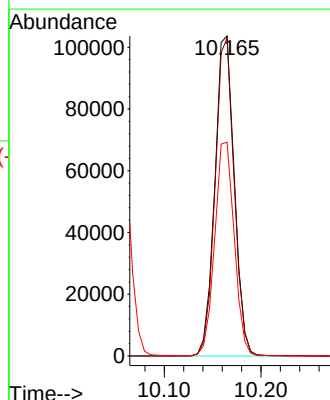
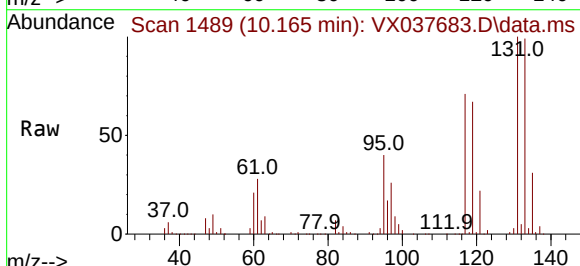
Tgt Ion:131 Resp: 145058

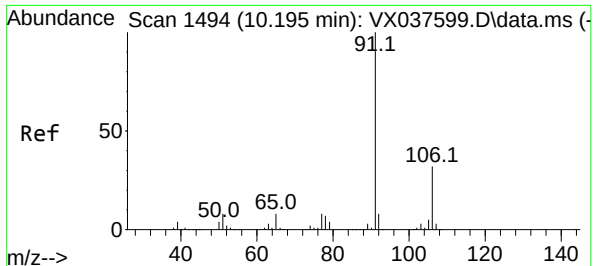
Ion Ratio Lower Upper

131 100

133 96.8 47.1 141.4

119 67.3 32.2 96.6





#67

Ethyl Benzene

Concen: 53.666 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 710524

Ion Ratio Lower Upper

91 100

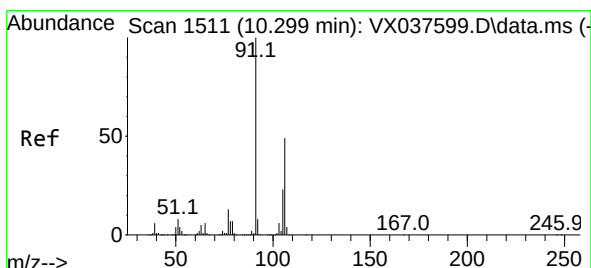
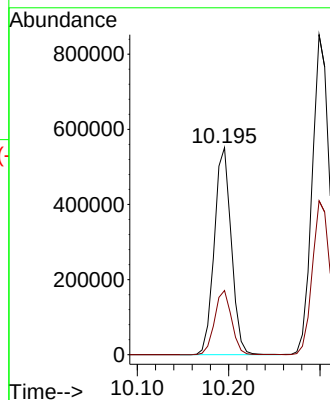
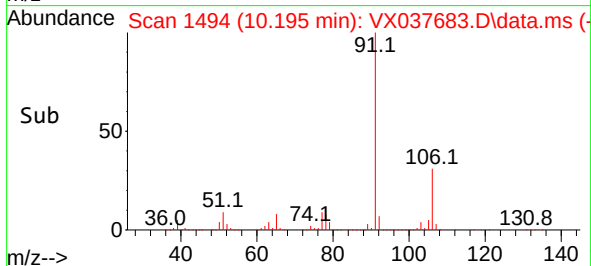
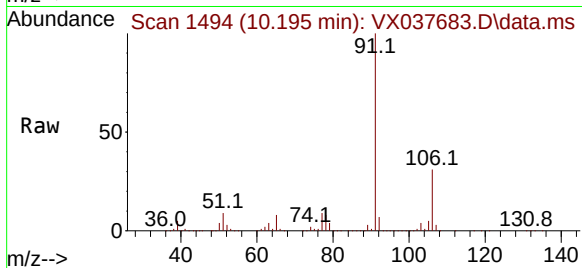
106 31.0 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#68

m/p-Xylenes

Concen: 108.539 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX037683.D

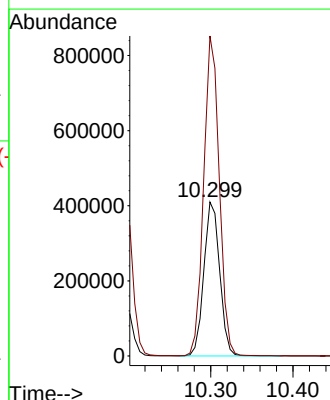
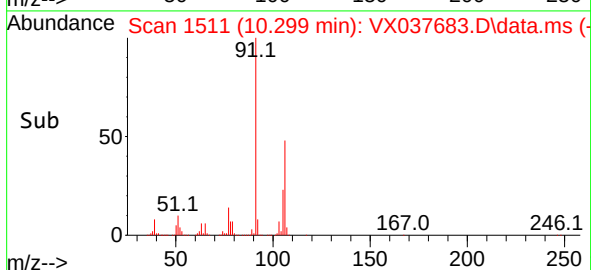
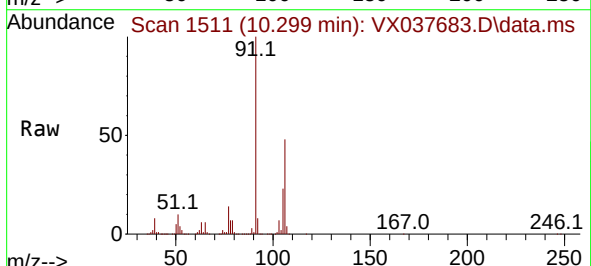
Acq: 13 Sep 2023 10:19

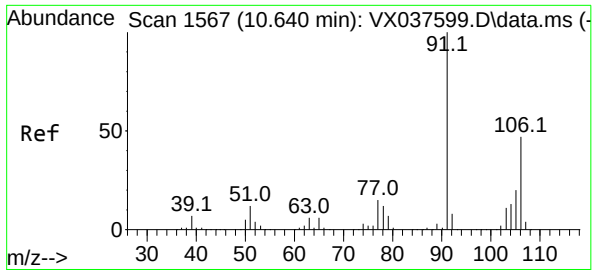
Tgt Ion:106 Resp: 547939

Ion Ratio Lower Upper

106 100

91 205.1 165.5 248.3





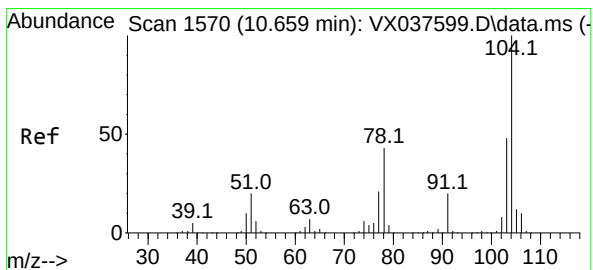
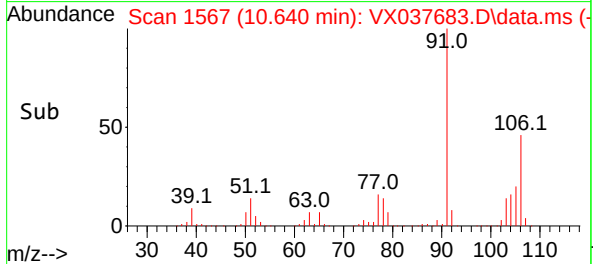
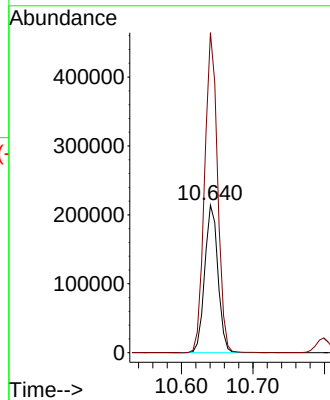
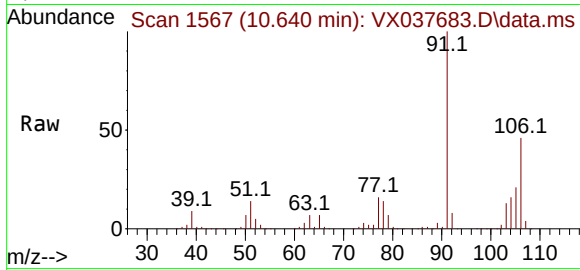
#69
o-Xylene
Concen: 54.599 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX037683.D
Acq: 13 Sep 2023 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 274812
Ion Ratio Lower Upper
106 100
91 212.7 108.9 326.8

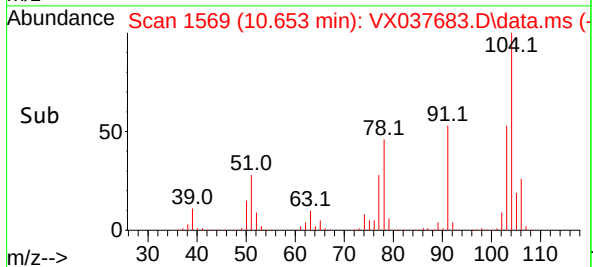
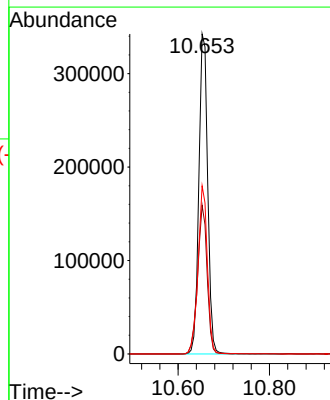
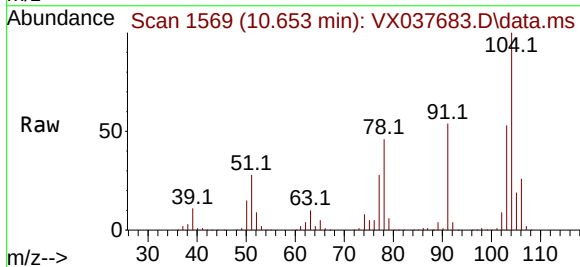
Manual Integrations
APPROVED

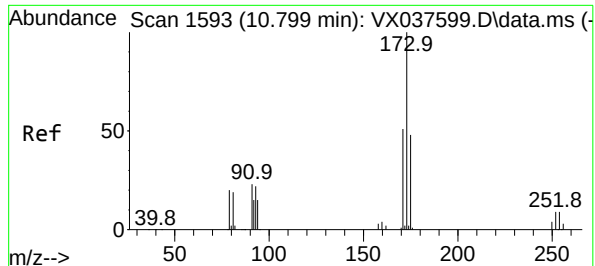
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#70
Styrene
Concen: 55.876 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.006 min
Lab File: VX037683.D
Acq: 13 Sep 2023 10:19

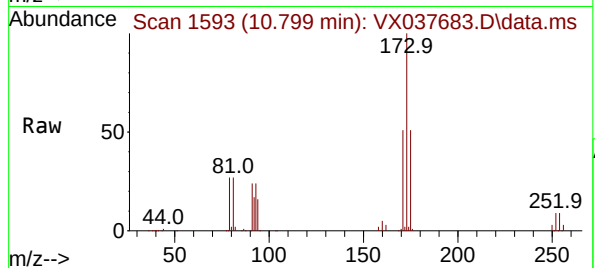
Tgt Ion:104 Resp: 458829
Ion Ratio Lower Upper
104 100
78 49.9 43.6 65.4
103 55.6 43.6 65.4





#71
Bromoform
Concen: 60.289 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX037683.D
Acq: 13 Sep 2023 10:19

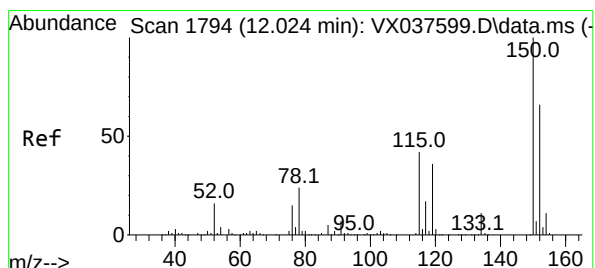
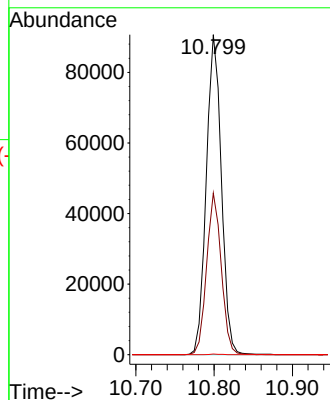
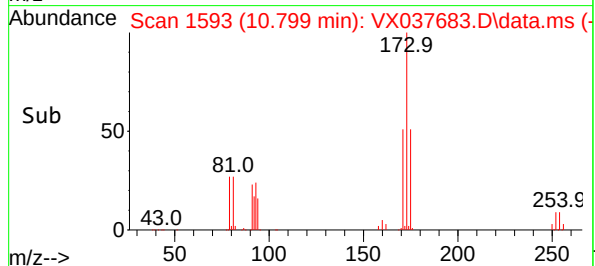
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



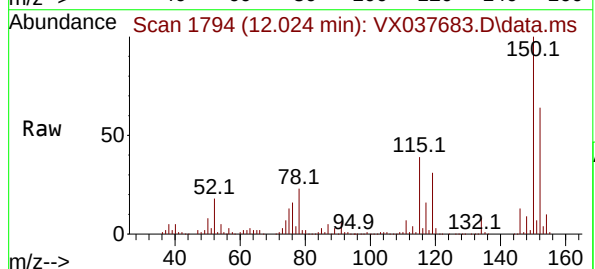
Tgt Ion:173 Resp: 120960
Ion Ratio Lower Upper
173 100
175 49.0 24.1 72.4
254 0.1 0.0 0.0

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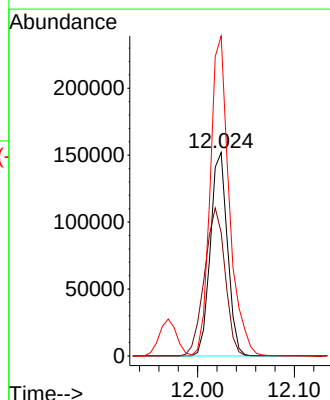
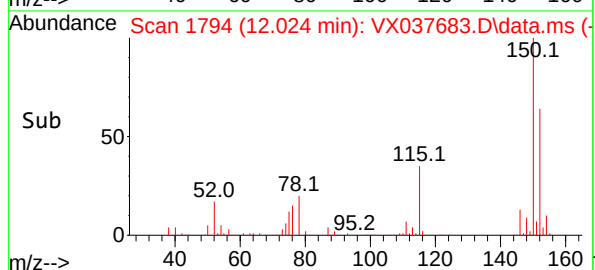
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023

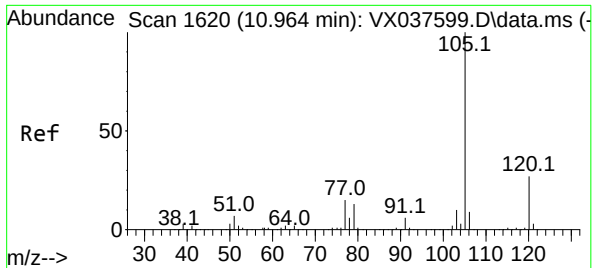


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037683.D
Acq: 13 Sep 2023 10:19



Tgt Ion:152 Resp: 187103
Ion Ratio Lower Upper
152 100
115 88.0 43.3 129.9
150 174.0 0.0 345.0





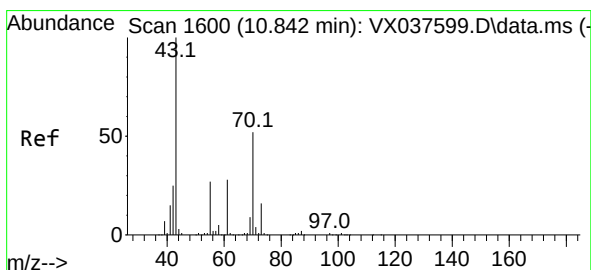
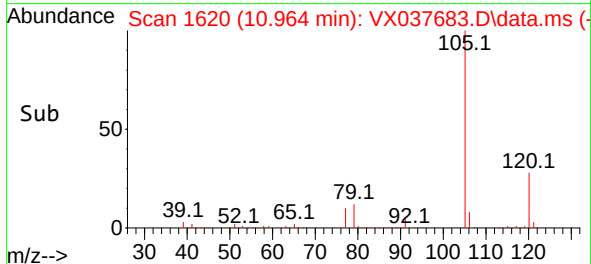
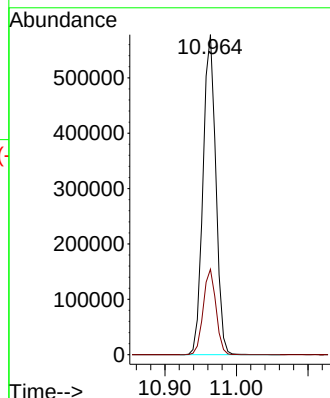
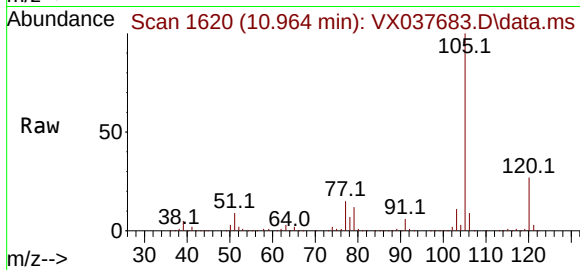
#73
Isopropylbenzene
Concen: 51.372 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX037683.D
Acq: 13 Sep 2023 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 719629
Ion Ratio Lower Upper
105 100
120 26.5 12.9 38.6

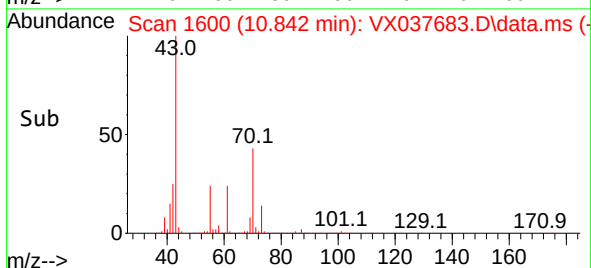
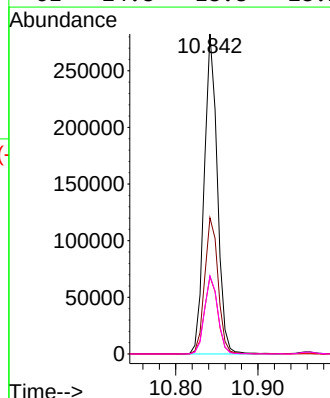
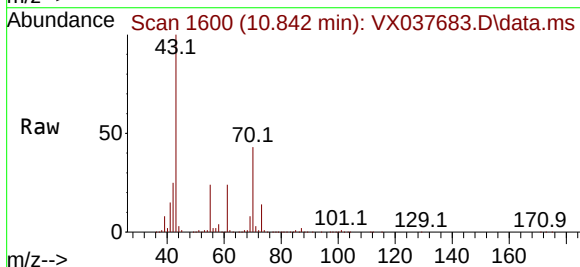
Manual Integrations
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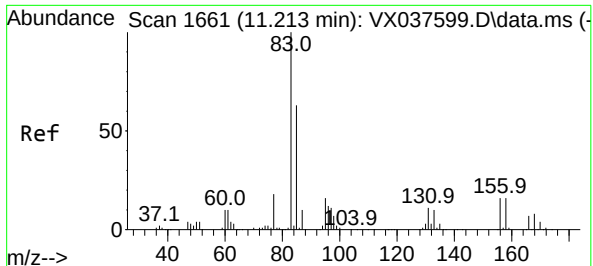
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#74
N-ethyl acetate
Concen: 51.012 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX037683.D
Acq: 13 Sep 2023 10:19

Tgt Ion: 43 Resp: 311604
Ion Ratio Lower Upper
43 100
70 43.9 32.9 49.3
55 24.9 19.3 28.9
61 24.8 18.8 28.2





#75

1,1,2,2-Tetrachloroethane

Concen: 49.031 ug/l

RT: 11.214 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 257029

Ion Ratio Lower Upper

83 100

131 9.9 5.3 15.8

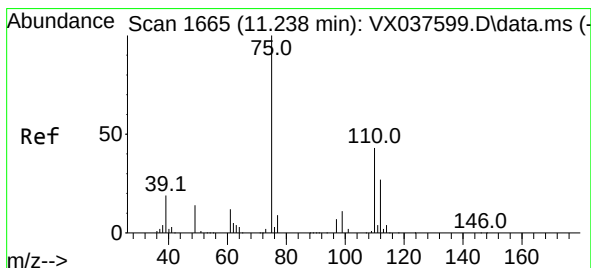
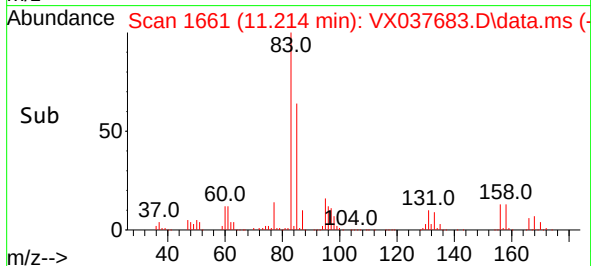
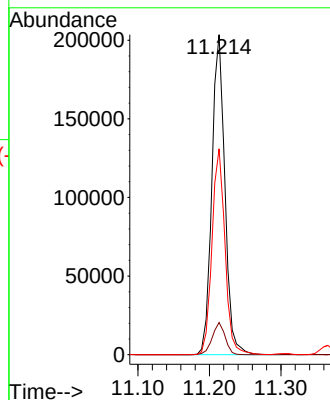
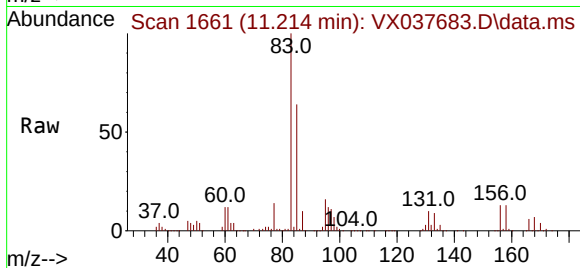
85 64.4 32.0 96.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#76

1,2,3-Trichloropropane

Concen: 49.769 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX037683.D

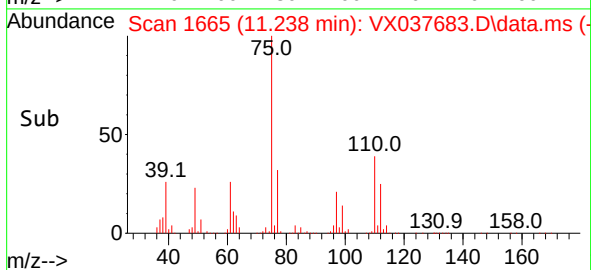
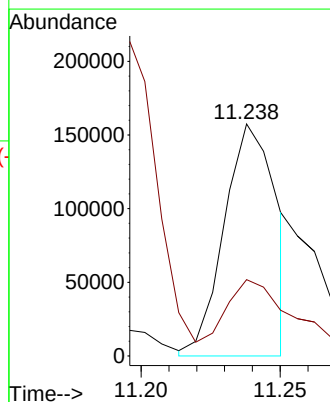
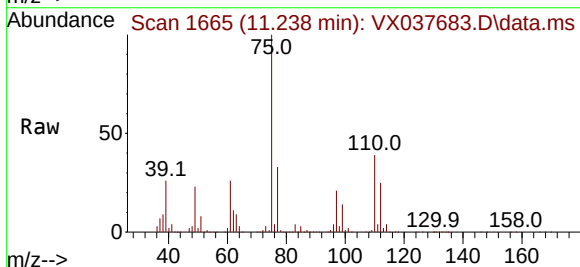
Acq: 13 Sep 2023 10:19

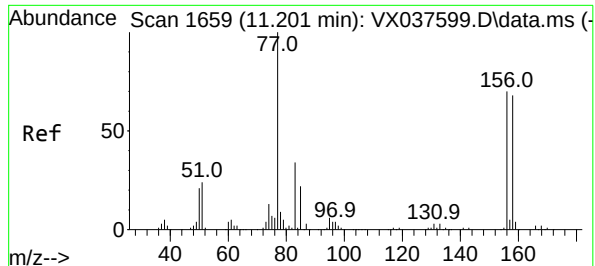
Tgt Ion: 75 Resp: 204721

Ion Ratio Lower Upper

75 100

77 44.2 19.1 57.5





#77

Bromobenzene

Concen: 53.017 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.006 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:156 Resp: 176000

Ion Ratio Lower Upper

156 100

77 157.2 88.4 265.3

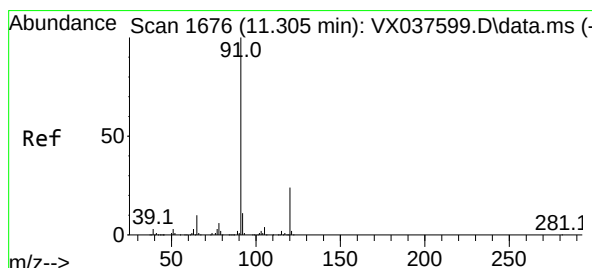
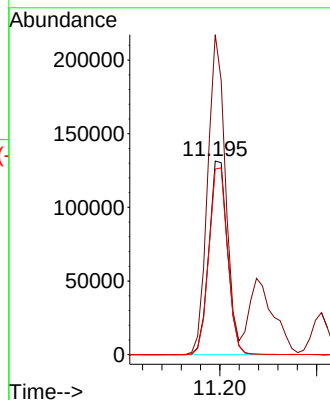
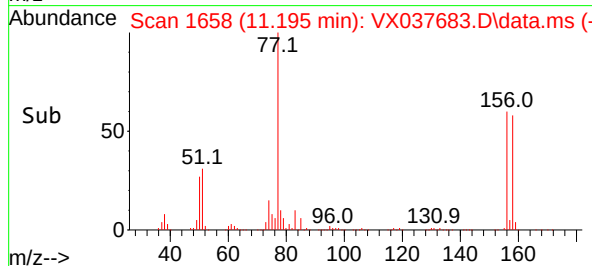
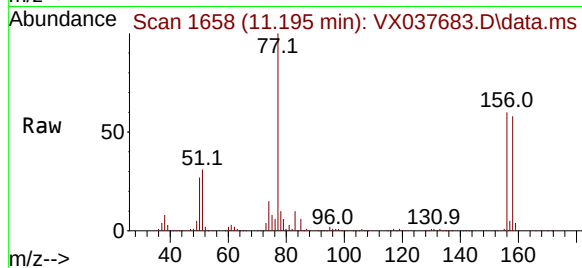
158 96.8 48.0 144.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#78

n-propylbenzene

Concen: 52.854 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX037683.D

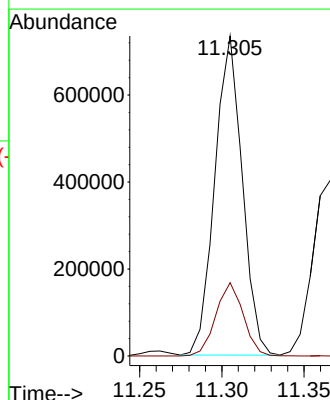
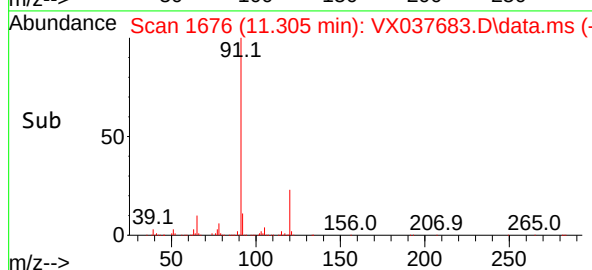
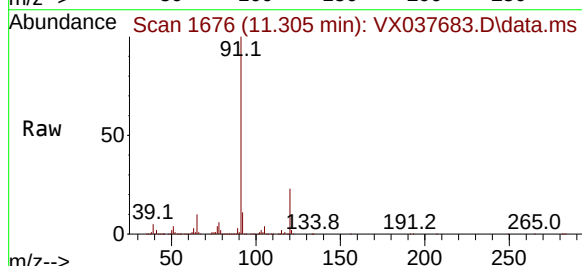
Acq: 13 Sep 2023 10:19

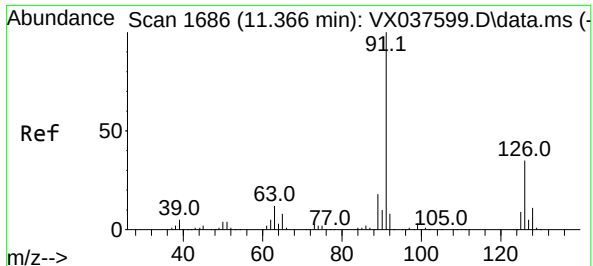
Tgt Ion: 91 Resp: 851805

Ion Ratio Lower Upper

91 100

120 23.0 11.5 34.4





#79

2-Chlorotoluene

Concen: 50.647 ug/l

RT: 11.366 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 502440

Ion Ratio Lower Upper

91 100

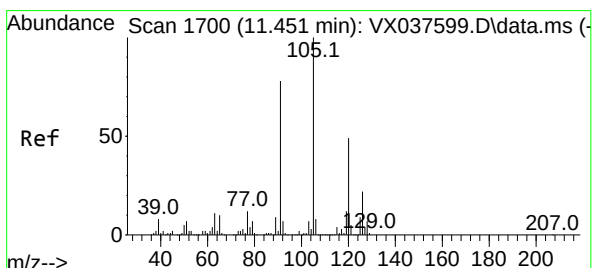
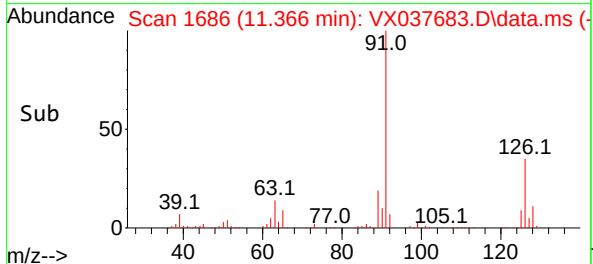
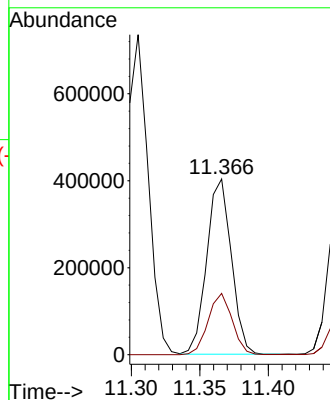
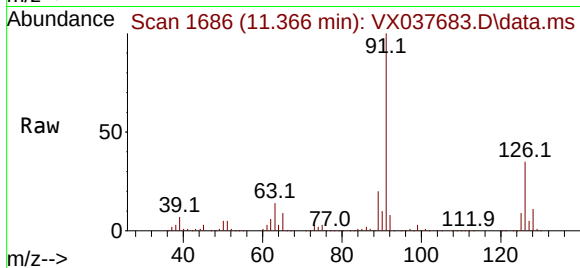
126 34.3 16.3 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#80

1,3,5-Trimethylbenzene

Concen: 52.986 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX037683.D

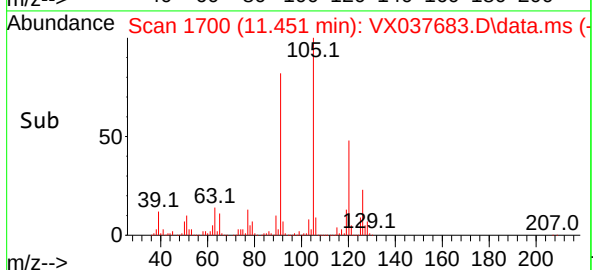
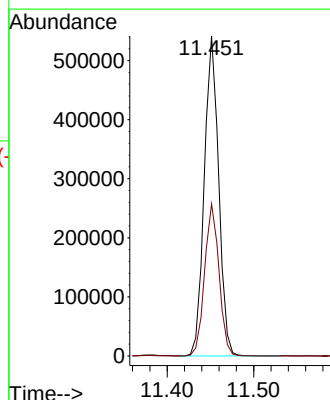
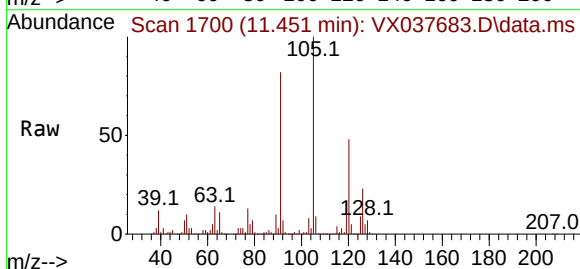
Acq: 13 Sep 2023 10:19

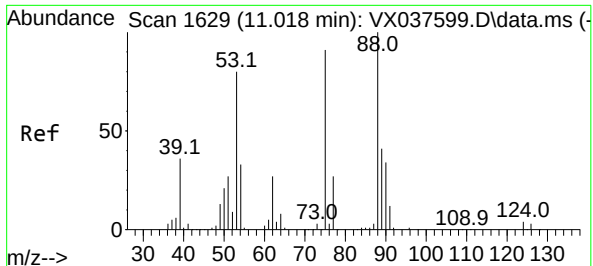
Tgt Ion:105 Resp: 623805

Ion Ratio Lower Upper

105 100

120 47.6 24.1 72.3





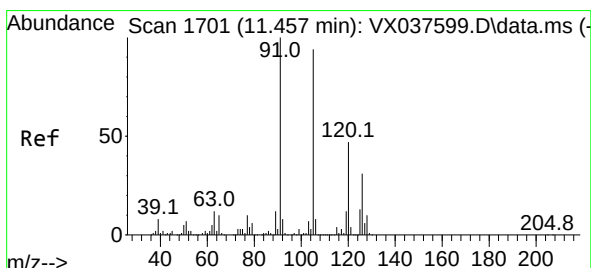
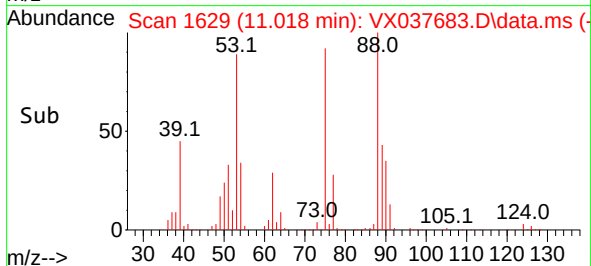
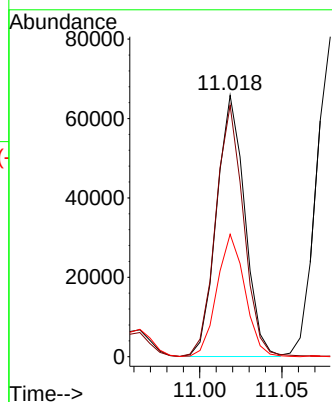
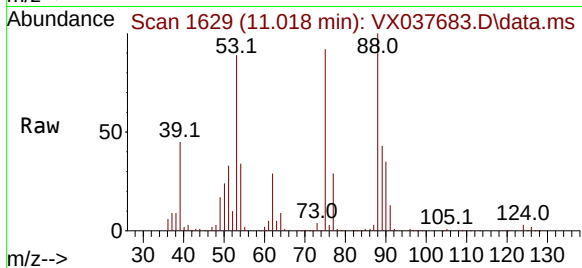
#81
trans-1,4-Dichloro-2-butene
Concen: 57.887 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX037683.D
Acq: 13 Sep 2023 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 78334
Ion Ratio Lower Upper
75 100
53 94.9 90.5 135.7
89 46.4 36.9 55.3

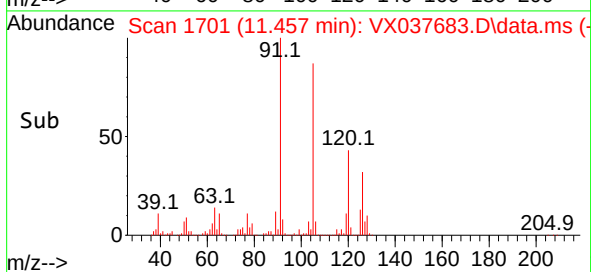
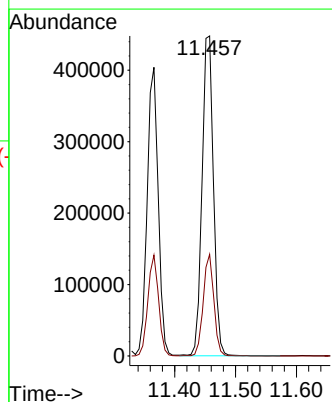
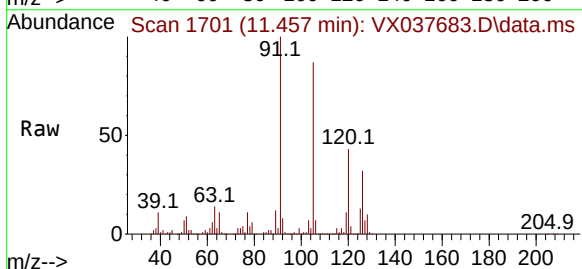
Manual Integrations
APPROVED

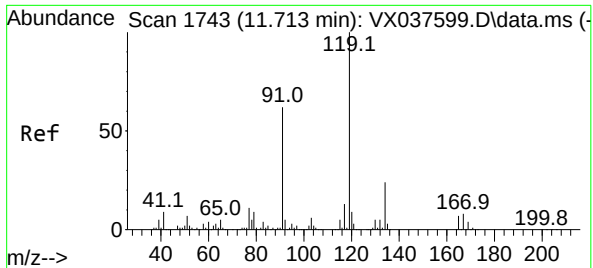
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#82
4-Chlorotoluene
Concen: 51.538 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX037683.D
Acq: 13 Sep 2023 10:19

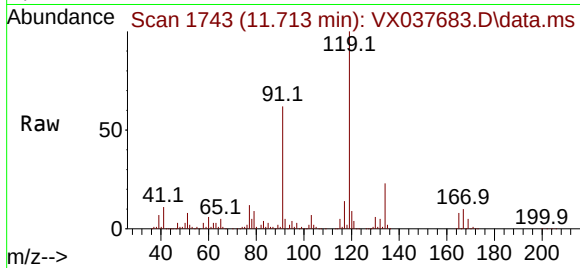
Tgt Ion: 91 Resp: 584052
Ion Ratio Lower Upper
91 100
126 29.8 14.2 42.6





#83
tert-Butylbenzene
Concen: 52.327 ug/l
RT: 11.713 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037683.D
Acq: 13 Sep 2023 10:19

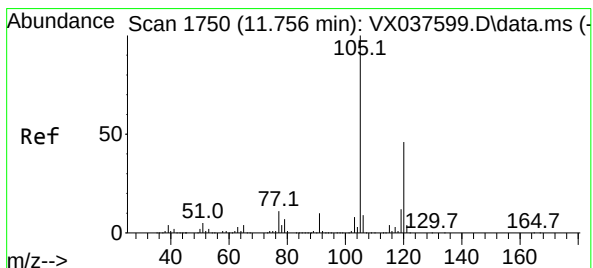
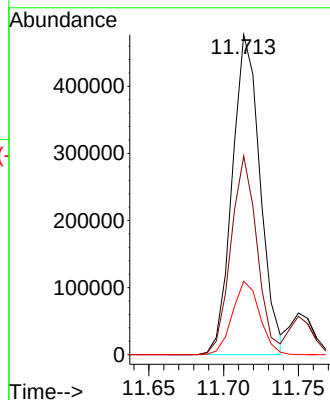
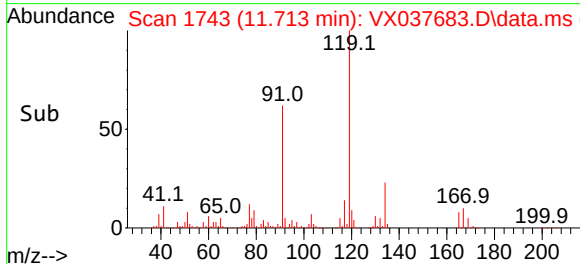
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



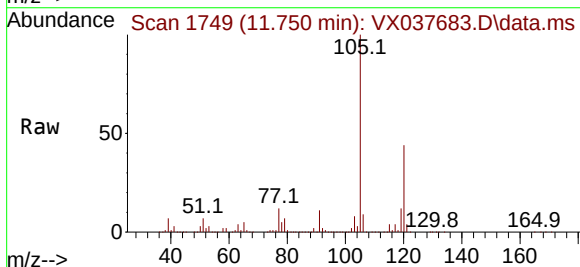
Tgt Ion:119 Resp: 61887
Ion Ratio Lower Upper
119 100
91 58.4 31.2 93.6
134 22.4 11.7 35.0

Manual Integrations
APPROVED

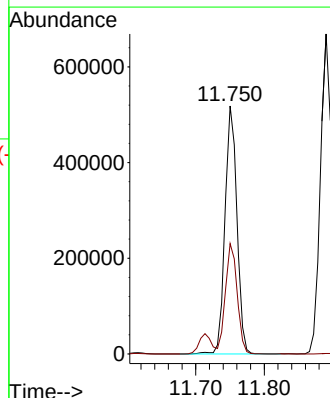
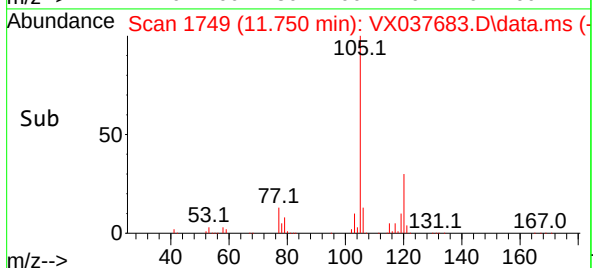
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023

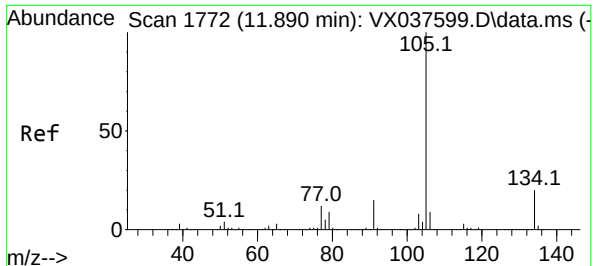


#84
1,2,4-Trimethylbenzene
Concen: 52.536 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VX037683.D
Acq: 13 Sep 2023 10:19



Tgt Ion:105 Resp: 623563
Ion Ratio Lower Upper
105 100
120 43.8 21.2 63.6





#85

sec-Butylbenzene

Concen: 53.666 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 78359

Ion Ratio Lower Upper

105 100

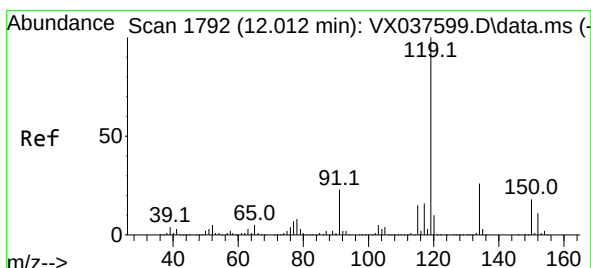
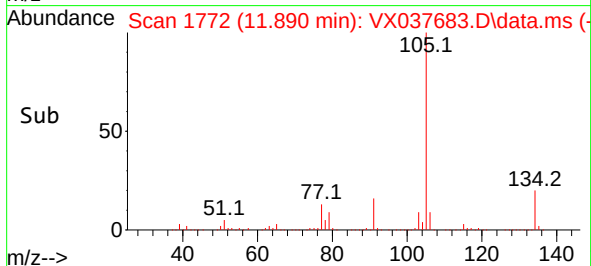
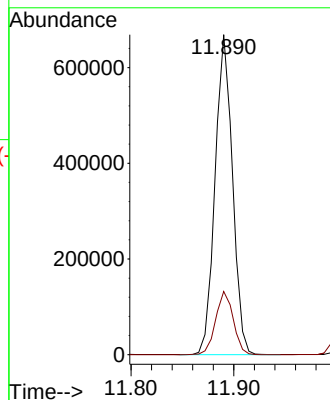
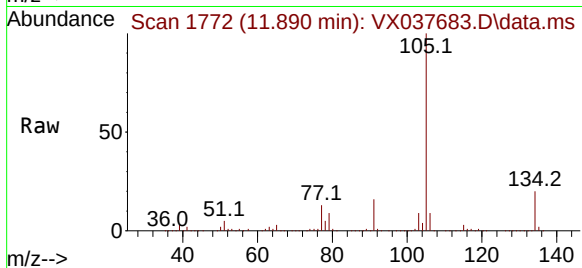
134 20.0 9.8 29.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#86

p-Isopropyltoluene

Concen: 55.614 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

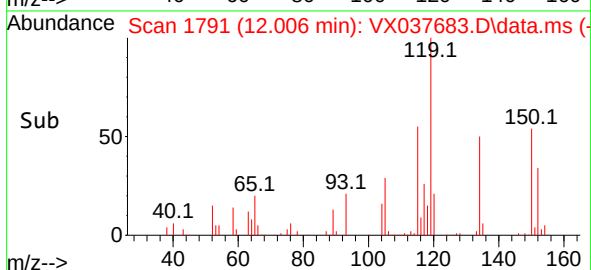
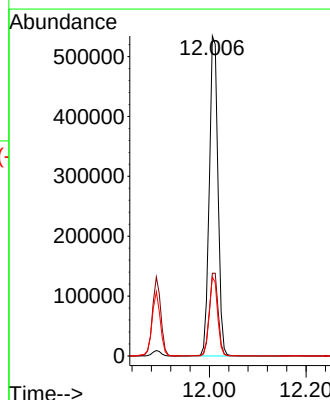
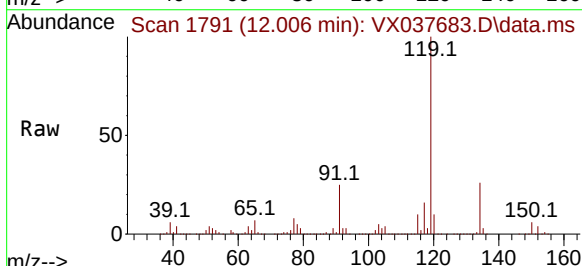
Tgt Ion:119 Resp: 665415

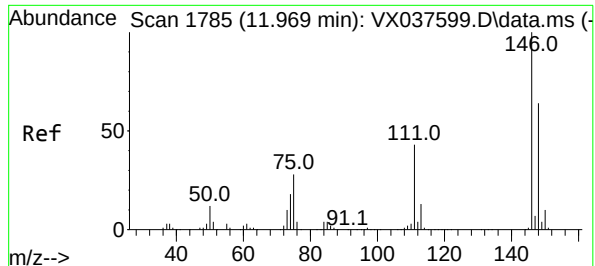
Ion Ratio Lower Upper

119 100

134 26.1 12.8 38.3

91 24.3 13.1 39.3





#87

1,3-Dichlorobenzene

Concen: 52.740 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 336169

Ion Ratio Lower Upper

146 100

111 41.4 22.1 66.1

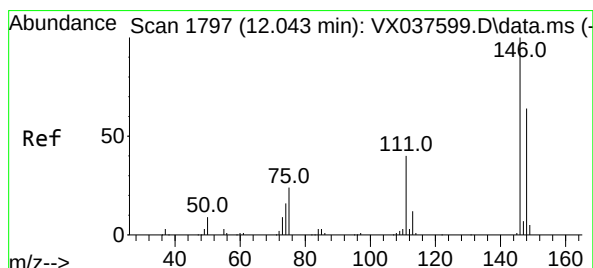
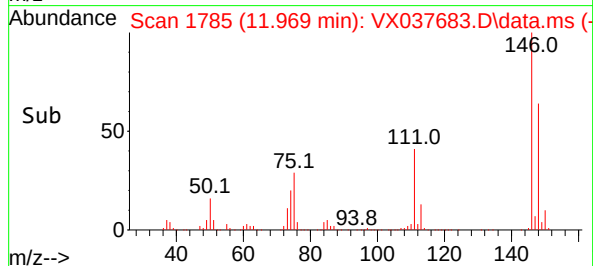
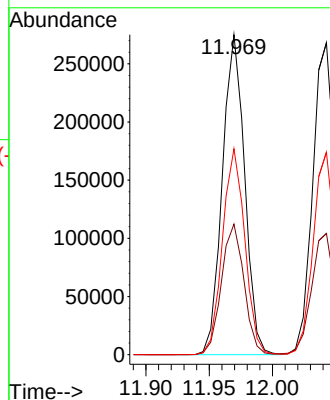
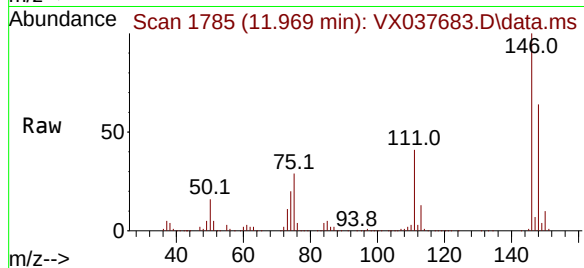
148 64.5 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#88

1,4-Dichlorobenzene

Concen: 51.266 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

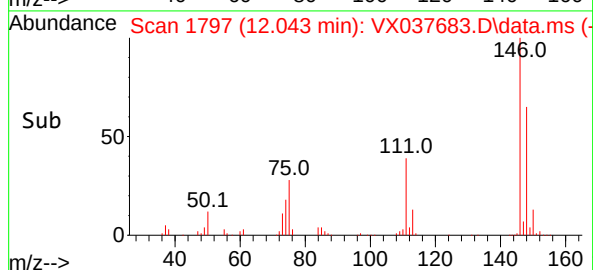
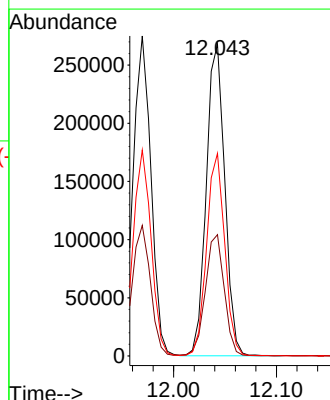
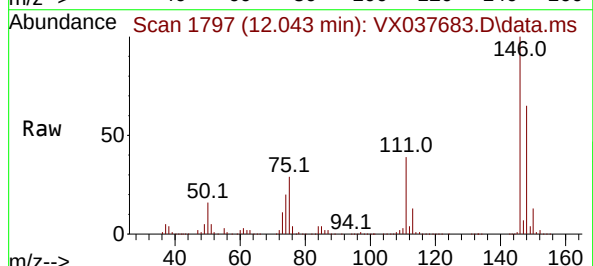
Tgt Ion:146 Resp: 335840

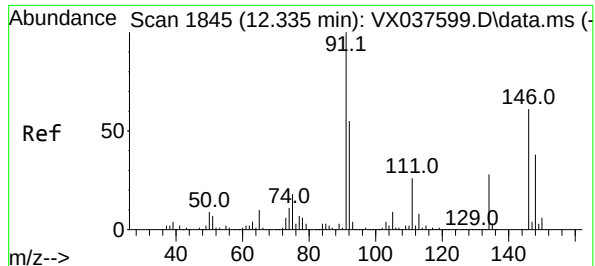
Ion Ratio Lower Upper

146 100

111 39.9 21.3 63.7

148 63.7 31.8 95.4





#89

n-Butylbenzene

Concen: 55.181 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 597970

Ion Ratio Lower Upper

91 100

92 52.3 27.4 82.0

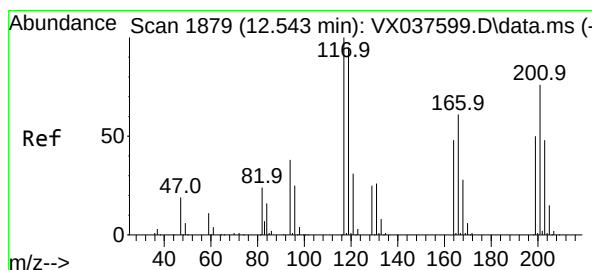
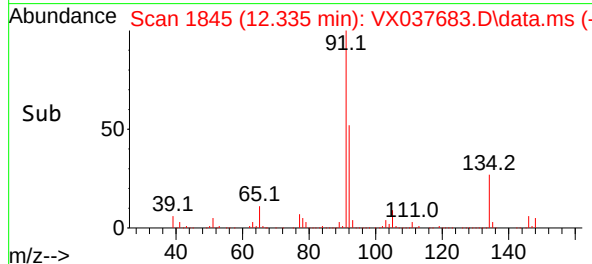
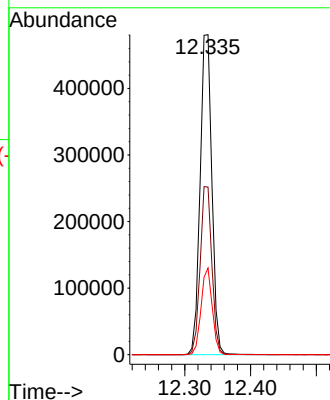
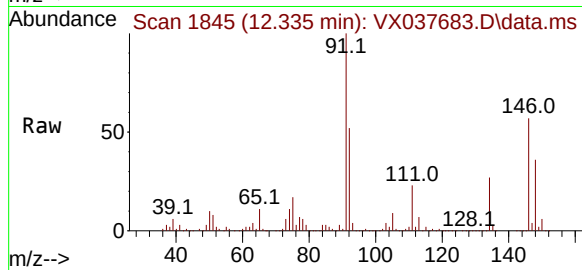
134 25.7 12.6 37.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#90

Hexachloroethane

Concen: 56.337 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.006 min

Lab File: VX037683.D

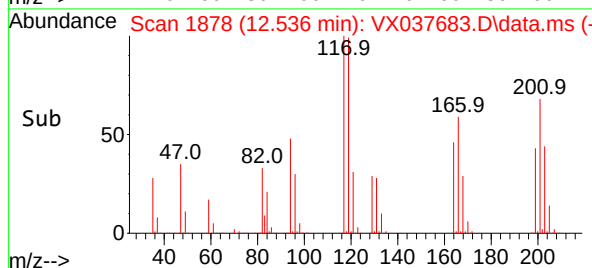
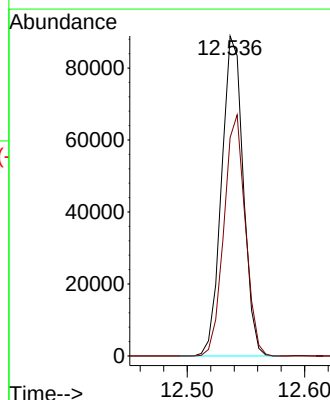
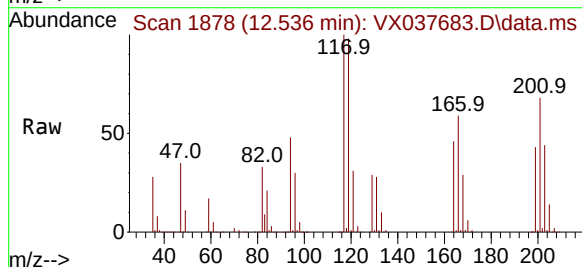
Acq: 13 Sep 2023 10:19

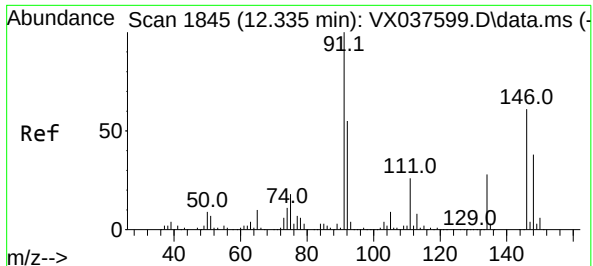
Tgt Ion:117 Resp: 113745

Ion Ratio Lower Upper

117 100

201 74.3 32.9 98.6





#91

1,2-Dichlorobenzene

Concen: 52.158 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 332630

Ion Ratio Lower Upper

146 100

111 42.3 22.4 67.0

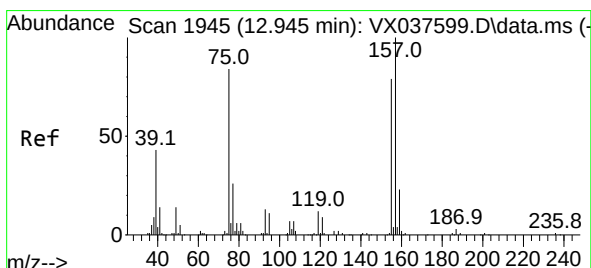
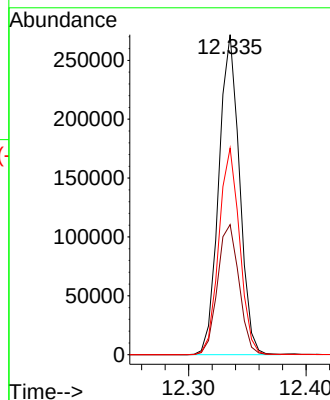
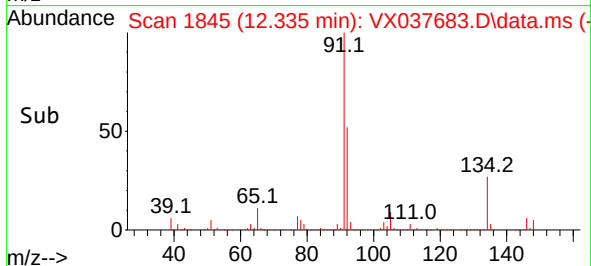
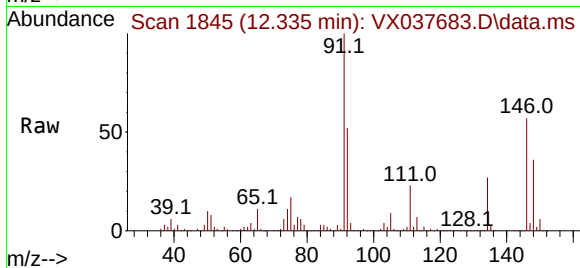
148 64.8 31.6 95.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.343 ug/l

RT: 12.945 min Scan# 1945

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

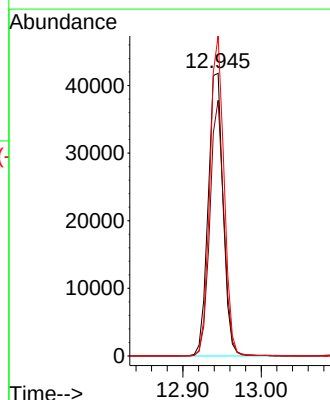
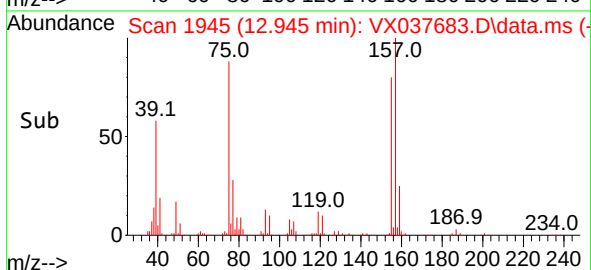
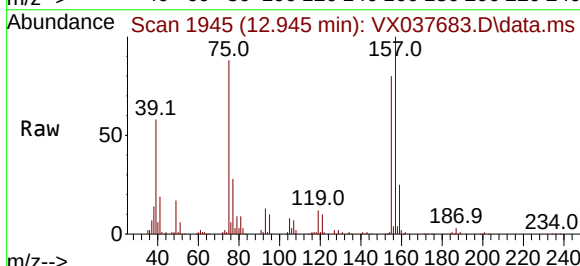
Tgt Ion: 75 Resp: 55265

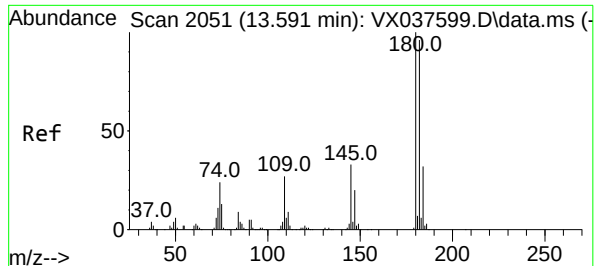
Ion Ratio Lower Upper

75 100

155 84.6 36.1 108.5

157 107.8 44.9 134.7





#93

1,2,4-Trichlorobenzene

Concen: 56.022 ug/l

RT: 13.585 min Scan# 2051

Delta R.T. -0.006 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:180 Resp: 212769

Ion Ratio Lower Upper

180 100

182 92.9 48.3 144.8

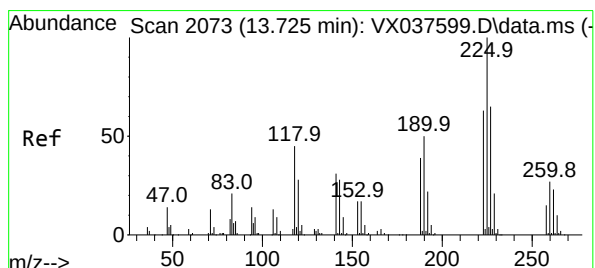
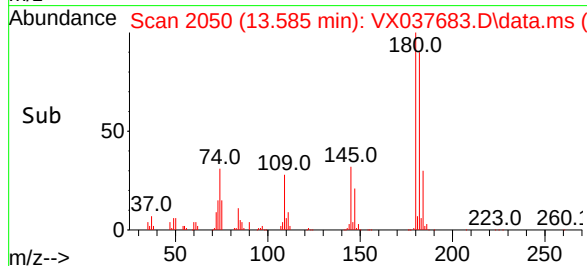
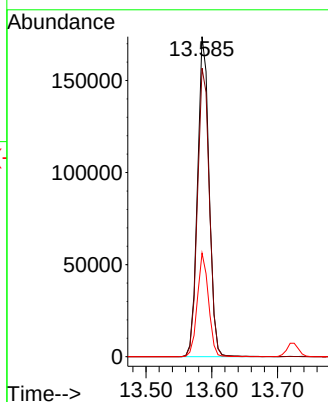
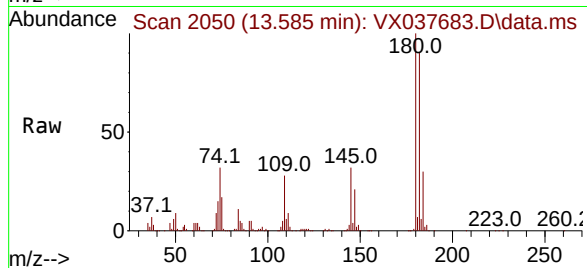
145 31.1 18.0 54.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#94

Hexachlorobutadiene

Concen: 57.578 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

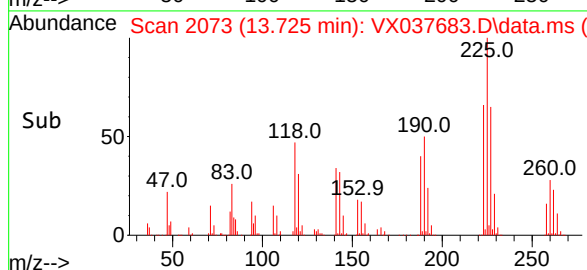
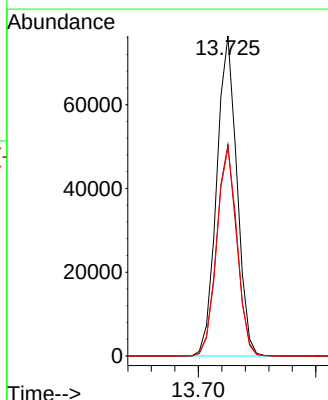
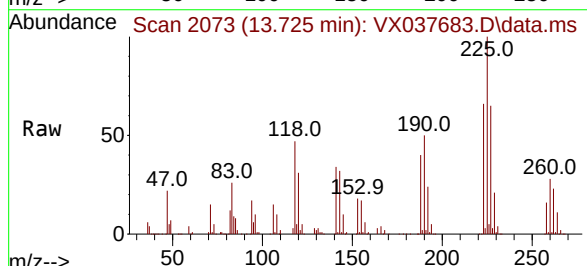
Tgt Ion:225 Resp: 91348

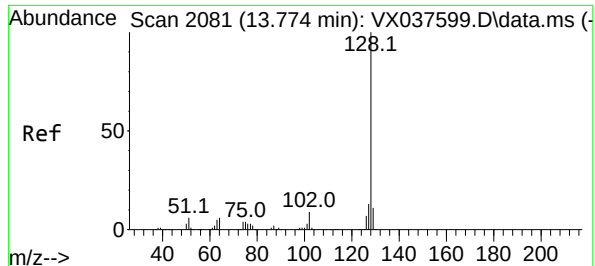
Ion Ratio Lower Upper

225 100

223 65.4 31.1 93.2

227 65.3 32.5 97.5





#95

Naphthalene

Concen: 52.337 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:128 Resp: 720035

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

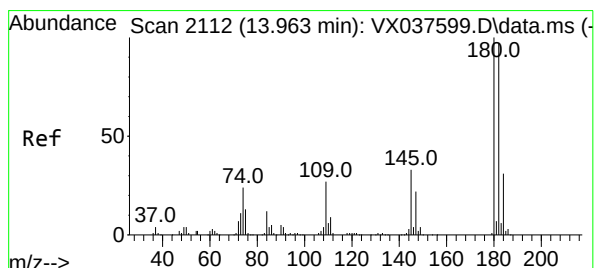
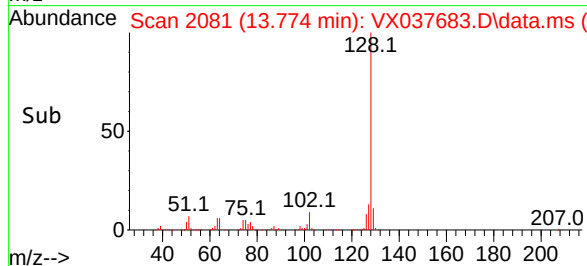
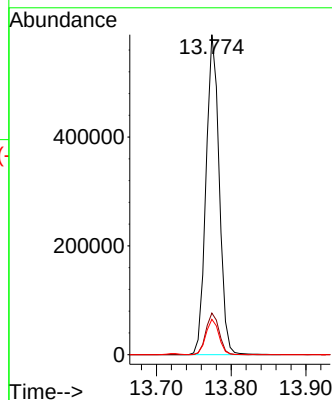
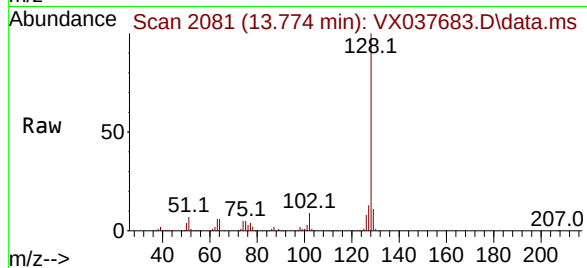
129 11.0 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#96

1,2,3-Trichlorobenzene

Concen: 54.408 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. -0.006 min

Lab File: VX037683.D

Acq: 13 Sep 2023 10:19

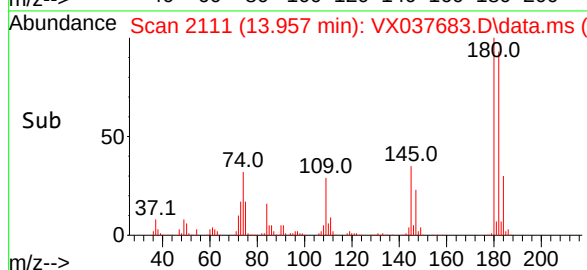
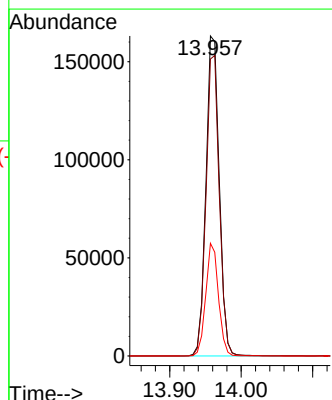
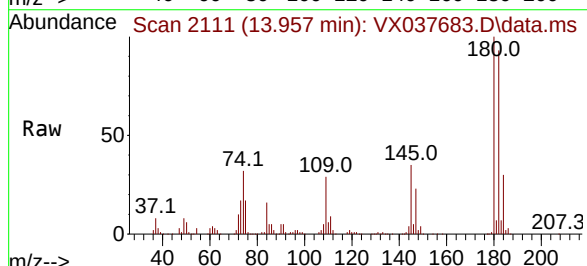
Tgt Ion:180 Resp: 212018

Ion Ratio Lower Upper

180 100

182 93.6 46.9 140.6

145 33.5 17.8 53.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037683.D
Acq On : 13 Sep 2023 10:19
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 14 02:14:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
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	136	0.00
2 T	Dichlorodifluoromethane	0.548	0.541	1.3	135	0.00
3 P	Chloromethane	0.625	0.570	8.8	129	0.00
4 C	Vinyl Chloride	0.703	0.636	9.5#	126	0.00
5 T	Bromomethane	0.588	0.557	5.3	127	0.00
6 T	Chloroethane	0.483	0.392	18.8	120	0.00
7 T	Trichlorofluoromethane	1.162	1.074	7.6	122	0.00
8 T	Diethyl Ether	0.461	0.413	10.4	120	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.521	0.528	-1.3	141	0.00
10 T	Methyl Iodide	0.615	0.648	-5.4	140	0.00
11 T	Tert butyl alcohol	0.184	0.163	11.4	130	0.00
12 CM	1,1-Dichloroethene	0.514	0.494	3.9#	136	0.00
13 T	Acrolein	0.132	0.131	0.8	134	0.00
14 T	Allyl chloride	0.901	0.871	3.3	133	0.00
15 T	Acrylonitrile	0.371	0.349	5.9	127	0.00
16 T	Acetone	0.327	0.327	0.0	141	0.00
17 T	Carbon Disulfide	1.308	1.207	7.7	133	0.00
18 T	Methyl Acetate	1.381	1.274	7.7	127	0.00
19 T	Methyl tert-butyl Ether	2.031	1.962	3.4	132	0.00
20 T	Methylene Chloride	0.738	0.632	14.4	134	0.00
21 T	trans-1,2-Dichloroethene	0.592	0.564	4.7	132	0.00
22 T	Diisopropyl ether	1.963	1.880	4.2	130	0.00
23 T	Vinyl Acetate	1.432	1.414	1.3	128	0.00
24 P	1,1-Dichloroethane	1.144	1.075	6.0	130	0.00
25 T	2-Butanone	0.533	0.496	6.9	128	0.00
26 T	2,2-Dichloropropane	0.796	0.904	-13.6	150#	0.00
27 T	cis-1,2-Dichloroethene	0.722	0.699	3.2	134	0.00
28 T	Bromochloromethane	0.578	0.518	10.4	122	0.00
29 T	Tetrahydrofuran	0.340	0.310	8.8	125	0.00
30 C	Chloroform	1.236	1.169	5.4#	128	0.00
31 T	Cyclohexane	0.932	0.895	4.0	130	0.00
32 T	1,1,1-Trichloroethane	1.028	1.016	1.2	131	0.00
33 S	1,2-Dichloroethane-d4	0.809	0.722	10.8	124	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	128	0.00
35 S	Dibromofluoromethane	0.354	0.364	-2.8	132	0.00
36 T	1,1-Dichloropropene	0.482	0.485	-0.6	129	0.00
37 T	Ethyl Acetate	0.552	0.563	-2.0	124	0.00
38 T	Carbon Tetrachloride	0.493	0.525	-6.5	135	0.00
39 T	Methylcyclohexane	0.570	0.620	-8.8	137	0.00
40 TM	Benzene	1.462	1.494	-2.2	129	0.00
41 T	Methacrylonitrile	0.291	0.293	-0.7	122	0.00
42 TM	1,2-Dichloroethane	0.571	0.556	2.6	124	0.00
43 T	Isopropyl Acetate	0.880	0.916	-4.1	127	0.00
44 TM	Trichloroethene	0.365	0.389	-6.6	138	0.00
45 C	1,2-Dichloropropane	0.386	0.390	-1.0#	127	0.00
46 T	Dibromomethane	0.281	0.288	-2.5	131	0.00
47 T	Bromodichloromethane	0.507	0.546	-7.7	132	0.00
48 T	Methyl methacrylate	0.425	0.443	-4.2	127	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037683.D
Acq On : 13 Sep 2023 10:19
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 14 02:14:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
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	0.011	0.011	0.0	131	0.00
50 S	Toluene-d8	1.337	1.368	-2.3	130	0.00
51 T	4-Methyl-2-Pentanone	0.578	0.596	-3.1	124	0.00
52 CM	Toluene	0.940	0.976	-3.8#	131	0.00
53 T	t-1,3-Dichloropropene	0.514	0.603	-17.3	138	0.00
54 T	cis-1,3-Dichloropropene	0.564	0.636	-12.8	135	0.00
55 T	1,1,2-Trichloroethane	0.396	0.423	-6.8	131	0.00
56 T	Ethyl methacrylate	0.605	0.653	-7.9	130	0.00
57 T	1,3-Dichloropropane	0.664	0.679	-2.3	129	0.00
58 T	2-Chloroethyl Vinyl ether	0.294	0.336	-14.3	147	0.00
59 T	2-Hexanone	0.446	0.467	-4.7	122	0.00
60 T	Dibromochloromethane	0.389	0.446	-14.7	137	0.00
61 T	1,2-Dibromoethane	0.425	0.451	-6.1	131	0.00
62 S	4-Bromofluorobenzene	0.482	0.516	-7.1	131	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	126	0.00
64 T	Tetrachloroethene	0.324	0.346	-6.8	140	0.00
65 PM	Chlorobenzene	1.066	1.127	-5.7	133	0.00
66 T	1,1,1,2-Tetrachloroethane	0.367	0.416	-13.4	137	0.00
67 C	Ethyl Benzene	1.897	2.036	-7.3#	132	0.00
68 T	m/p-Xylenes	0.723	0.785	-8.6	132	0.00
69 T	o-Xylene	0.721	0.787	-9.2	134	0.00
70 T	Styrene	1.176	1.315	-11.8	132	0.00
71 P	Bromoform	0.287	0.347	-20.9	138	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	127	0.00
73 T	Isopropylbenzene	3.743	3.846	-2.8	134	0.00
74 T	N-amyl acetate	1.632	1.665	-2.0	125	0.00
75 P	1,1,2,2-Tetrachloroethane	1.401	1.374	1.9	125	0.00
76 T	1,2,3-Trichloropropane	1.099	1.094	0.5	128	0.00
77 T	Bromobenzene	0.887	0.941	-6.1	137	0.00
78 T	n-propylbenzene	4.307	4.553	-5.7	133	0.00
79 T	2-Chlorotoluene	2.651	2.685	-1.3	131	0.00
80 T	1,3,5-Trimethylbenzene	3.146	3.334	-6.0	134	0.00
81 T	trans-1,4-Dichloro-2-butene	0.362	0.419	-15.7	139	0.00
82 T	4-Chlorotoluene	3.028	3.122	-3.1	133	0.00
83 T	tert-Butylbenzene	3.161	3.308	-4.7	131	0.00
84 T	1,2,4-Trimethylbenzene	3.172	3.333	-5.1	131	0.00
85 T	sec-Butylbenzene	3.902	4.188	-7.3	134	0.00
86 T	p-Isopropyltoluene	3.197	3.556	-11.2	137	0.00
87 T	1,3-Dichlorobenzene	1.703	1.797	-5.5	136	0.00
88 T	1,4-Dichlorobenzene	1.751	1.795	-2.5	134	0.00
89 T	n-Butylbenzene	2.896	3.196	-10.4	135	0.00
90 T	Hexachloroethane	0.540	0.608	-12.6	136	0.00
91 T	1,2-Dichlorobenzene	1.704	1.778	-4.3	132	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.288	0.295	-2.4	125	0.00
93 T	1,2,4-Trichlorobenzene	1.015	1.137	-12.0	144	0.00
94 T	Hexachlorobutadiene	0.424	0.488	-15.1	144	0.00
95 T	Naphthalene	3.676	3.848	-4.7	130	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037683.D
Acq On : 13 Sep 2023 10:19
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 14 02:14:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.041	1.133	-8.8	142	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037683.D
Acq On : 13 Sep 2023 10:19
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 14 02:14:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
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	136	0.00
2 T	Dichlorodifluoromethane	50.000	49.359	1.3	135	0.00
3 P	Chloromethane	50.000	45.658	8.7	129	0.00
4 C	Vinyl Chloride	50.000	45.255	9.5#	126	0.00
5 T	Bromomethane	50.000	47.372	5.3	127	0.00
6 T	Chloroethane	50.000	40.594	18.8	120	0.00
7 T	Trichlorofluoromethane	50.000	46.188	7.6	122	0.00
8 T	Diethyl Ether	50.000	44.735	10.5	120	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	50.680	-1.4	141	0.00
10 T	Methyl Iodide	50.000	52.695	-5.4	140	0.00
11 T	Tert butyl alcohol	250.000	242.766	2.9	130	0.00
12 CM	1,1-Dichloroethene	50.000	47.972	4.1#	136	0.00
13 T	Acrolein	250.000	247.651	0.9	134	0.00
14 T	Allyl chloride	50.000	48.304	3.4	133	0.00
15 T	Acrylonitrile	250.000	235.381	5.8	127	0.00
16 T	Acetone	250.000	250.155	-0.1	141	0.00
17 T	Carbon Disulfide	50.000	46.167	7.7	133	0.00
18 T	Methyl Acetate	50.000	46.120	7.8	127	0.00
19 T	Methyl tert-butyl Ether	50.000	48.298	3.4	132	0.00
20 T	Methylene Chloride	50.000	49.972	0.1	134	0.00
21 T	trans-1,2-Dichloroethene	50.000	47.619	4.8	132	0.00
22 T	Diisopropyl ether	50.000	47.873	4.3	130	0.00
23 T	Vinyl Acetate	250.000	246.868	1.3	128	0.00
24 P	1,1-Dichloroethane	50.000	46.975	6.0	130	0.00
25 T	2-Butanone	250.000	232.320	7.1	128	0.00
26 T	2,2-Dichloropropane	50.000	56.788	-13.6	150	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.448	3.1	134	0.00
28 T	Bromochloromethane	50.000	44.779	10.4	122	0.00
29 T	Tetrahydrofuran	250.000	228.553	8.6	125	0.00
30 C	Chloroform	50.000	47.295	5.4#	128	0.00
31 T	Cyclohexane	50.000	48.064	3.9	130	0.00
32 T	1,1,1-Trichloroethane	50.000	49.395	1.2	131	0.00
33 S	1,2-Dichloroethane-d4	50.000	44.621	10.8	124	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	128	0.00
35 S	Dibromofluoromethane	50.000	51.333	-2.7	132	0.00
36 T	1,1-Dichloropropene	50.000	50.314	-0.6	129	0.00
37 T	Ethyl Acetate	50.000	50.989	-2.0	124	0.00
38 T	Carbon Tetrachloride	50.000	53.310	-6.6	135	0.00
39 T	Methylcyclohexane	50.000	54.325	-8.7	137	0.00
40 TM	Benzene	50.000	51.108	-2.2	129	0.00
41 T	Methacrylonitrile	50.000	50.342	-0.7	122	0.00
42 TM	1,2-Dichloroethane	50.000	48.659	2.7	124	0.00
43 T	Isopropyl Acetate	50.000	52.056	-4.1	127	0.00
44 TM	Trichloroethene	50.000	53.230	-6.5	138	0.00
45 C	1,2-Dichloropropane	50.000	50.599	-1.2#	127	0.00
46 T	Dibromomethane	50.000	51.346	-2.7	131	0.00
47 T	Bromodichloromethane	50.000	53.850	-7.7	132	0.00
48 T	Methyl methacrylate	50.000	52.074	-4.1	127	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037683.D
Acq On : 13 Sep 2023 10:19
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 14 02:14:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
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	1075.778	-7.6	131	0.00
50 S	Toluene-d8	50.000	51.178	-2.4	130	0.00
51 T	4-Methyl-2-Pentanone	250.000	257.993	-3.2	124	0.00
52 CM	Toluene	50.000	51.951	-3.9#	131	0.00
53 T	t-1,3-Dichloropropene	50.000	58.734	-17.5	138	0.00
54 T	cis-1,3-Dichloropropene	50.000	56.426	-12.9	135	0.00
55 T	1,1,2-Trichloroethane	50.000	53.396	-6.8	131	0.00
56 T	Ethyl methacrylate	50.000	53.950	-7.9	130	0.00
57 T	1,3-Dichloropropane	50.000	51.133	-2.3	129	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	286.517	-14.6	147	0.00
59 T	2-Hexanone	250.000	261.476	-4.6	122	0.00
60 T	Dibromochloromethane	50.000	57.327	-14.7	137	0.00
61 T	1,2-Dibromoethane	50.000	53.035	-6.1	131	0.00
62 S	4-Bromofluorobenzene	50.000	53.456	-6.9	131	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	126	0.00
64 T	Tetrachloroethene	50.000	53.346	-6.7	140	0.00
65 PM	Chlorobenzene	50.000	52.870	-5.7	133	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	56.574	-13.1	137	0.00
67 C	Ethyl Benzene	50.000	53.666	-7.3#	132	0.00
68 T	m/p-Xylenes	100.000	108.539	-8.5	132	0.00
69 T	o-Xylene	50.000	54.599	-9.2	134	0.00
70 T	Styrene	50.000	55.876	-11.8	132	0.00
71 P	Bromoform	50.000	60.289	-20.6	138	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	127	0.00
73 T	Isopropylbenzene	50.000	51.372	-2.7	134	0.00
74 T	N-ethyl acetate	50.000	51.012	-2.0	125	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.031	1.9	125	0.00
76 T	1,2,3-Trichloropropane	50.000	49.769	0.5	128	0.00
77 T	Bromobenzene	50.000	53.017	-6.0	137	0.00
78 T	n-propylbenzene	50.000	52.854	-5.7	133	0.00
79 T	2-Chlorotoluene	50.000	50.647	-1.3	131	0.00
80 T	1,3,5-Trimethylbenzene	50.000	52.986	-6.0	134	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	57.887	-15.8	139	0.00
82 T	4-Chlorotoluene	50.000	51.538	-3.1	133	0.00
83 T	tert-Butylbenzene	50.000	52.327	-4.7	131	0.00
84 T	1,2,4-Trimethylbenzene	50.000	52.536	-5.1	131	0.00
85 T	sec-Butylbenzene	50.000	53.666	-7.3	134	0.00
86 T	p-Isopropyltoluene	50.000	55.614	-11.2	137	0.00
87 T	1,3-Dichlorobenzene	50.000	52.740	-5.5	136	0.00
88 T	1,4-Dichlorobenzene	50.000	51.266	-2.5	134	0.00
89 T	n-Butylbenzene	50.000	55.181	-10.4	135	0.00
90 T	Hexachloroethane	50.000	56.337	-12.7	136	0.00
91 T	1,2-Dichlorobenzene	50.000	52.158	-4.3	132	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	51.343	-2.7	125	0.00
93 T	1,2,4-Trichlorobenzene	50.000	56.022	-12.0	144	0.00
94 T	Hexachlorobutadiene	50.000	57.578	-15.2	144	0.00
95 T	Naphthalene	50.000	52.337	-4.7	130	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037683.D
Acq On : 13 Sep 2023 10:19
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Sep 14 02:14:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
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	54.408	-8.8	142	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

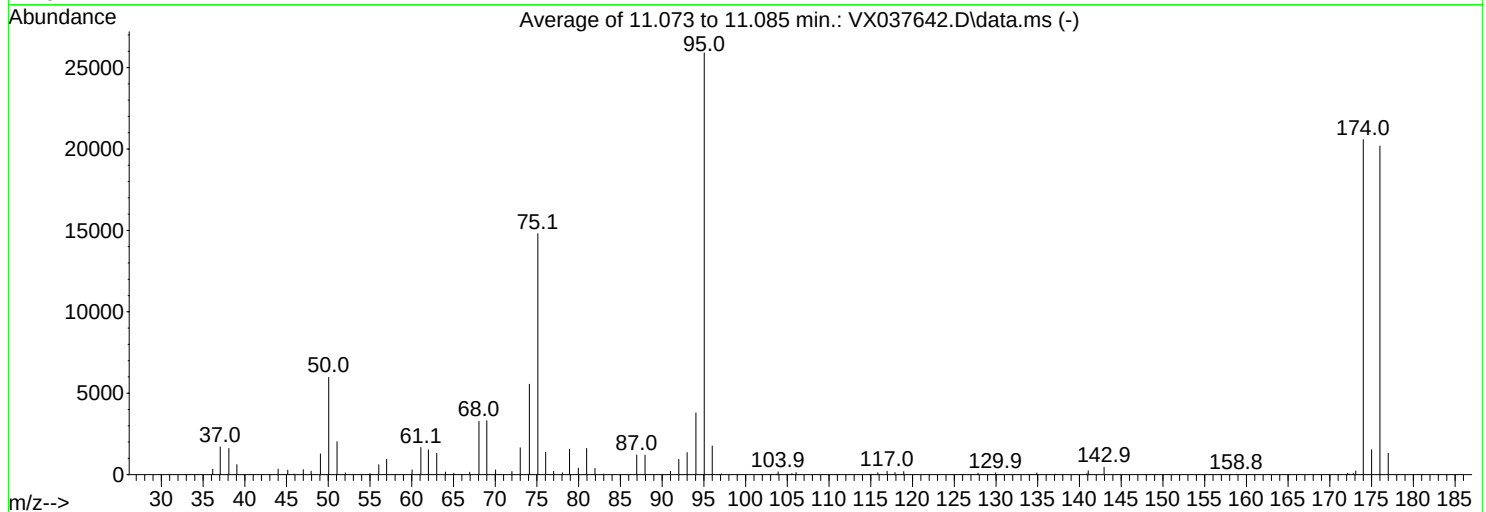
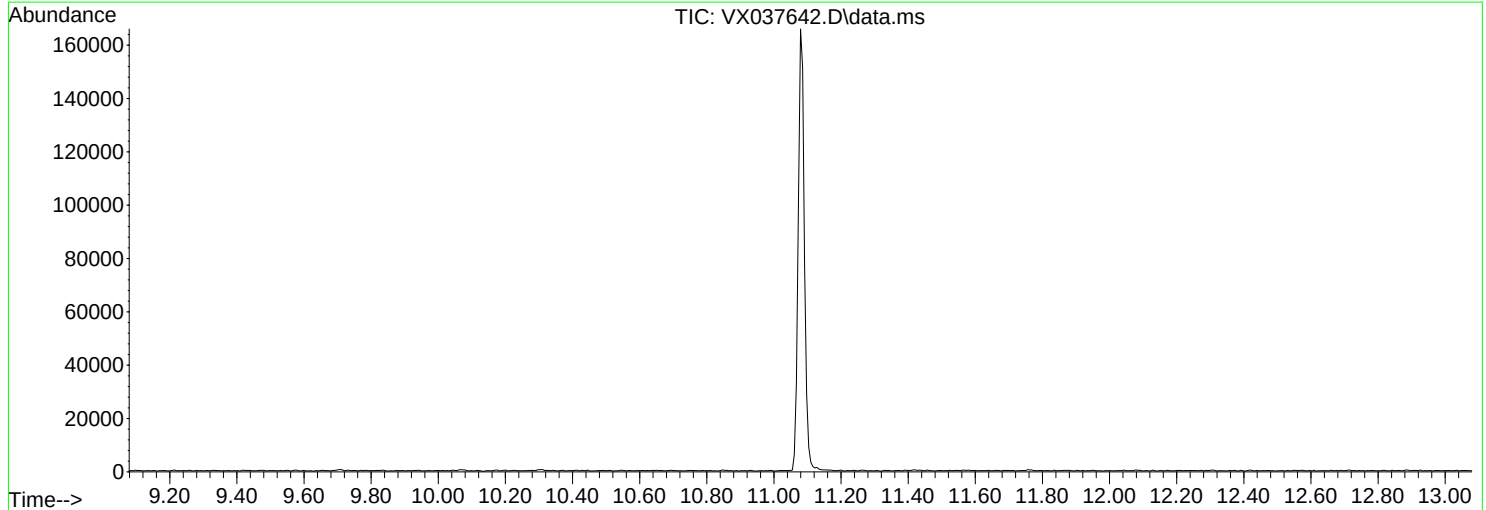
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16

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091123\
Data File : VX037642.D
Acq On : 11 Sep 2023 15:14
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Title : SW846 8260
Last Update : Tue Sep 12 10:10:04 2023



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

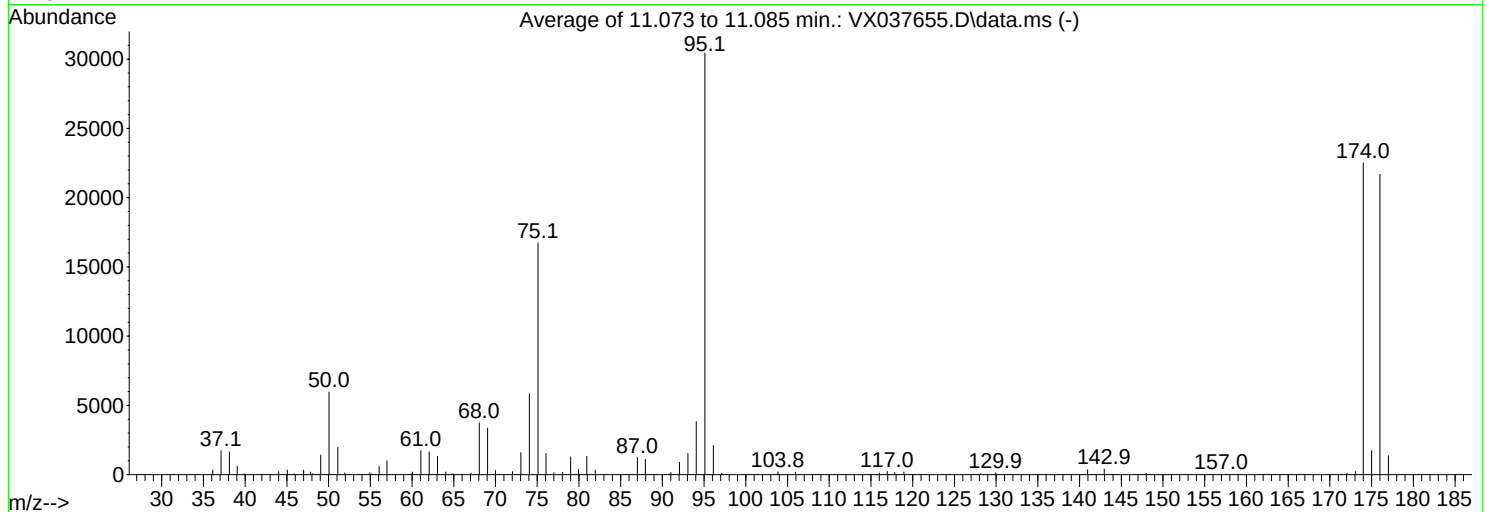
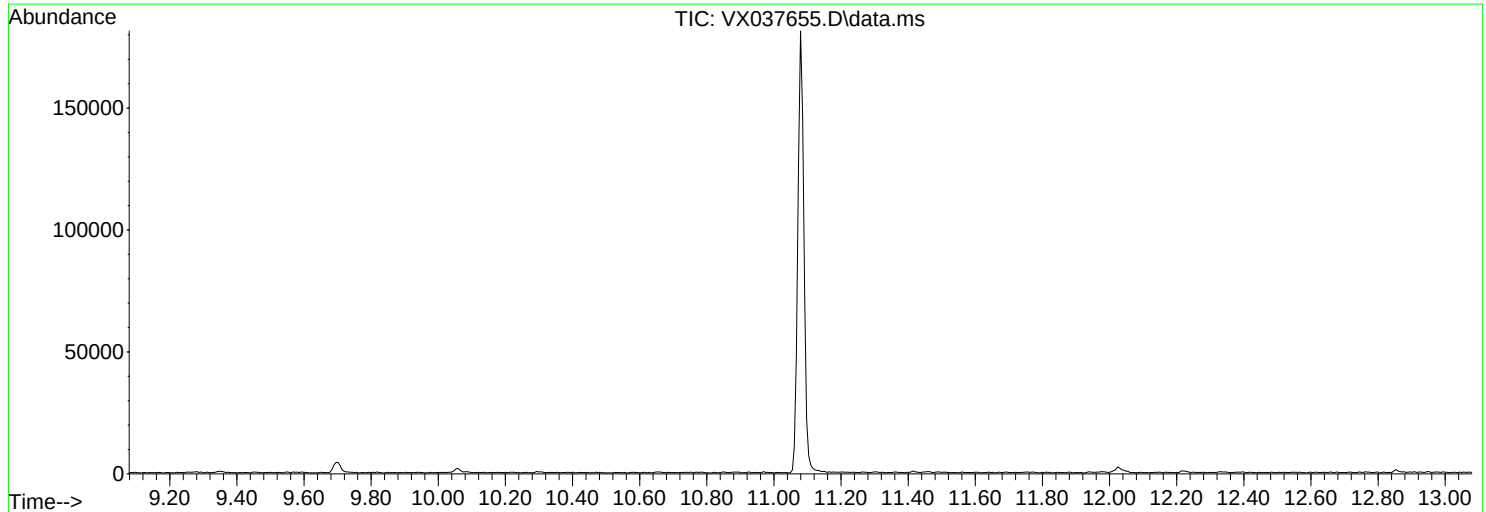
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	23.1	5979	PASS
75	95	30	60	57.1	14796	PASS
95	95	100	100	100.0	25904	PASS
96	95	5	9	6.8	1758	PASS
173	174	0.00	2	1.1	227	PASS
174	95	50	100	79.4	20575	PASS
175	174	5	9	7.5	1538	PASS
176	174	95	101	98.1	20185	PASS
177	176	5	9	6.5	1315	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037655.D
Acq On : 12 Sep 2023 08:41
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Title : SW846 8260
Last Update : Tue Sep 12 10:10:04 2023



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

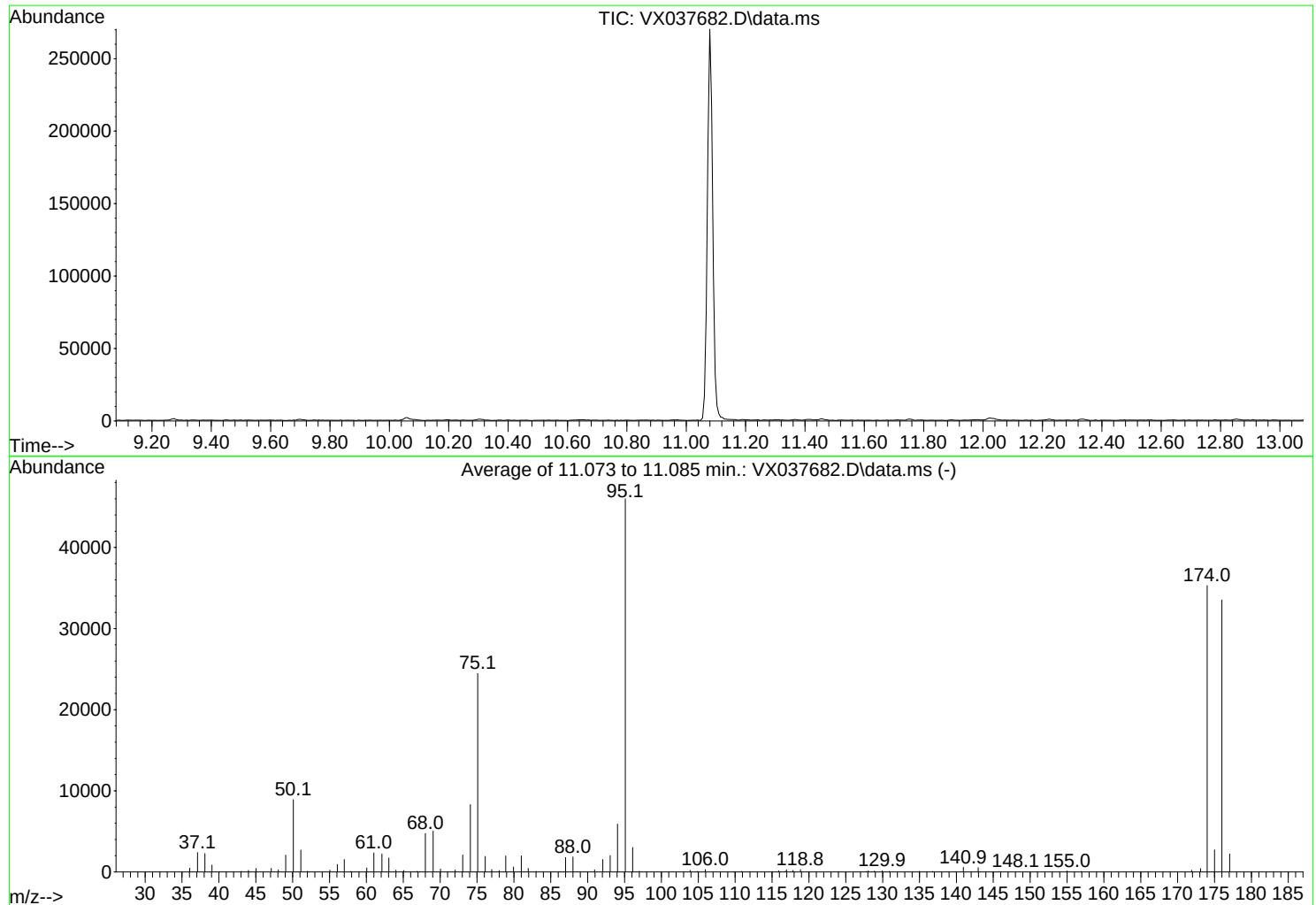
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	19.6	5972	PASS
75	95	30	60	54.9	16724	PASS
95	95	100	100	100.0	30456	PASS
96	95	5	9	6.9	2108	PASS
173	174	0.00	2	1.0	220	PASS
174	95	50	100	73.9	22502	PASS
175	174	5	9	7.7	1734	PASS
176	174	95	101	96.4	21682	PASS
177	176	5	9	6.3	1361	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037682.D
Acq On : 13 Sep 2023 08:35
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Title : SW846 8260
Last Update : Tue Sep 12 10:10:04 2023



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	19.4	8925	PASS
75	95	30	60	53.2	24469	PASS
95	95	100	100	100.0	45995	PASS
96	95	5	9	6.6	3016	PASS
173	174	0.00	2	1.2	412	PASS
174	95	50	100	76.7	35293	PASS
175	174	5	9	7.7	2720	PASS
176	174	95	101	95.0	33539	PASS
177	176	5	9	6.6	2209	PASS



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Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	
Project:	Andrews St. Site		Date Received:	
Client Sample ID:	VX0912WBL01		SDG No.:	O4373
Lab Sample ID:	VX0912WBL01		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:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037658.D	1		09/12/23 10:46	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	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	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrews St. Site	Date Received:	
Client Sample ID:	VX0912WBL01	SDG No.:	O4373
Lab Sample ID:	VX0912WBL01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037658.D	1		09/12/23 10:46	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	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	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	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	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.7		74 - 125	87%	SPK: 50
1868-53-7	Dibromofluoromethane	45.2		75 - 124	90%	SPK: 50
2037-26-5	Toluene-d8	45.7		86 - 113	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.5		64 - 133	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	222000	5.55			
540-36-3	1,4-Difluorobenzene	388000	6.763			
3114-55-4	Chlorobenzene-d5	353000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	149000	12.024			



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Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	
Project:	Andrews St. Site		Date Received:	
Client Sample ID:	VX0912WBL01		SDG No.:	O4373
Lab Sample ID:	VX0912WBL01		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:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037658.D	1		09/12/23 10:46	VX091223

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_X\Data\VX091223\
Data File : VX037658.D
Acq On : 12 Sep 2023 10:46
Operator : JC/MD
Sample : VX0912WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBL01

Quant Time: Sep 12 11:12:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	221506	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	387603	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	352831	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	149310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	156472	43.661	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	87.320%	
35) Dibromofluoromethane	5.385	113	124083	45.164	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	90.320%	
50) Toluene-d8	8.647	98	473956	45.742	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	91.480%#	
62) 4-Bromofluorobenzene	11.079	95	158921	42.513	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	85.020%	

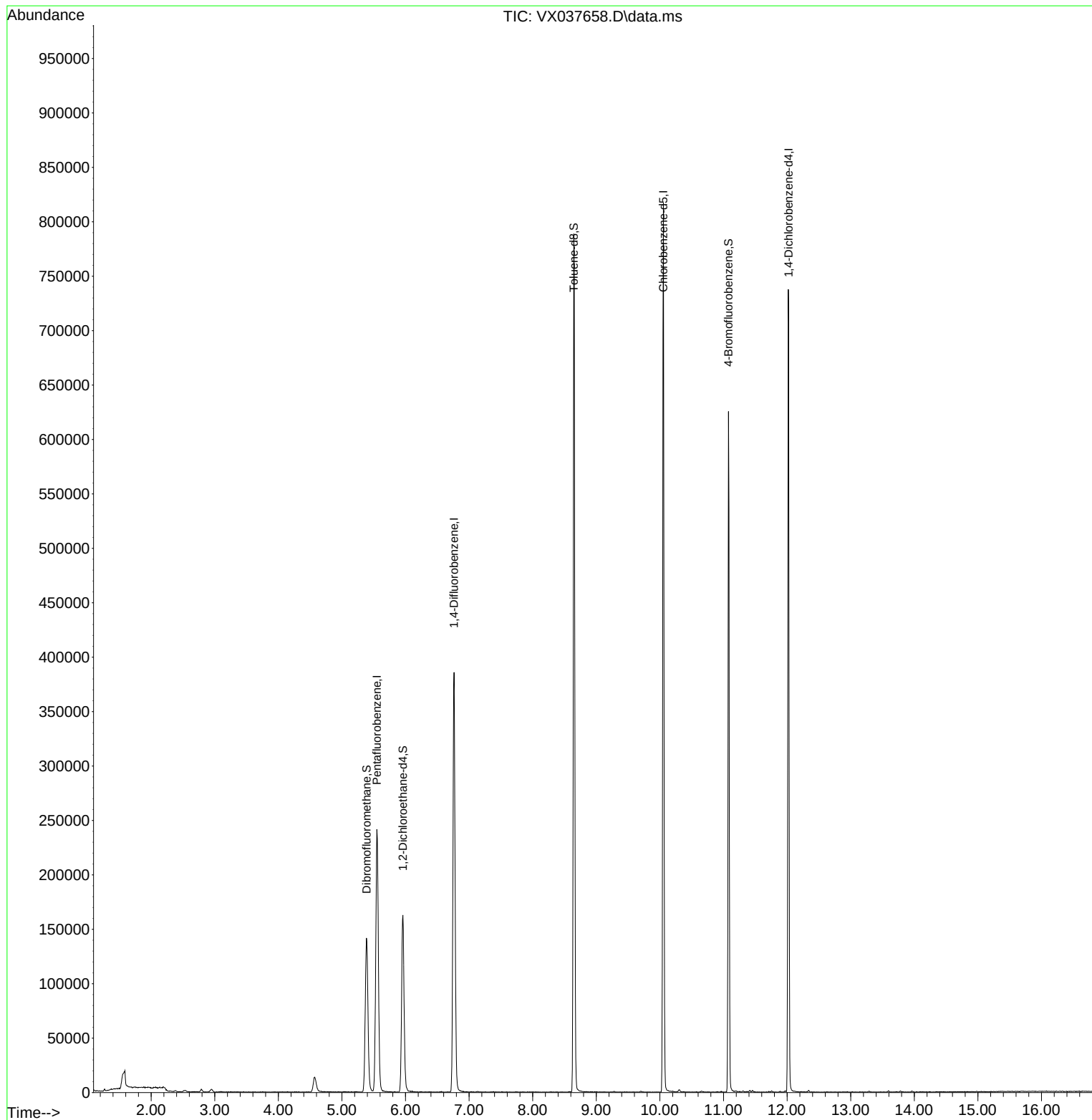
Target Compounds	Qvalue

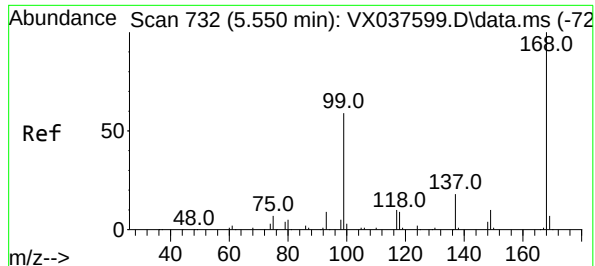
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037658.D
Acq On : 12 Sep 2023 10:46
Operator : JC/MD
Sample : VX0912WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBL01

Quant Time: Sep 12 11:12:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration

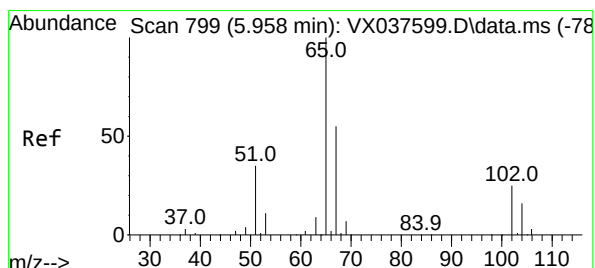
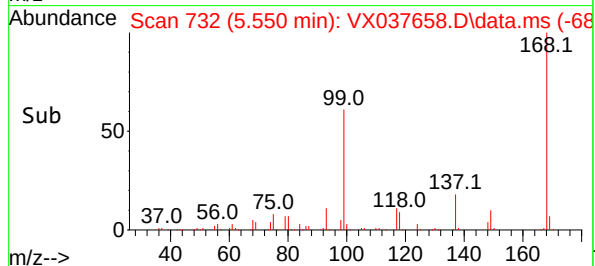
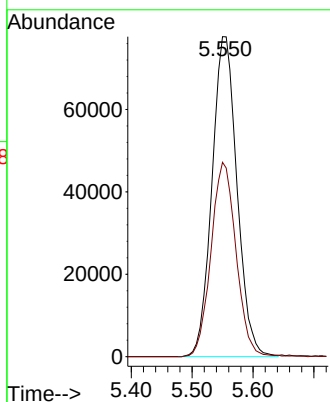
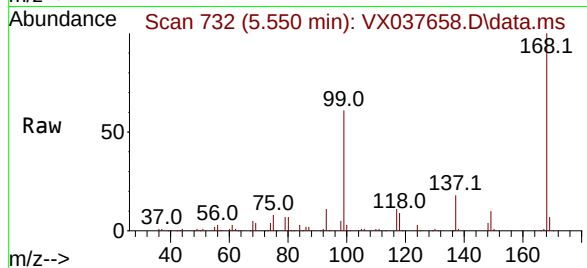




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.000 min
Lab File: VX037658.D
Acq: 12 Sep 2023 10:46

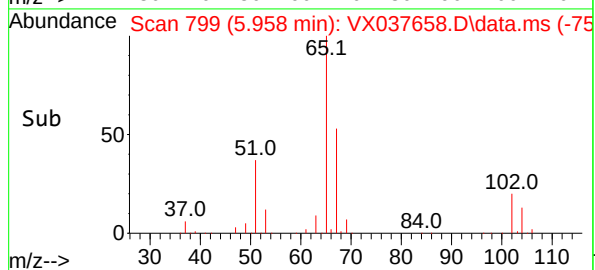
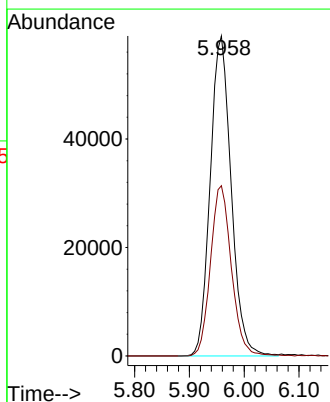
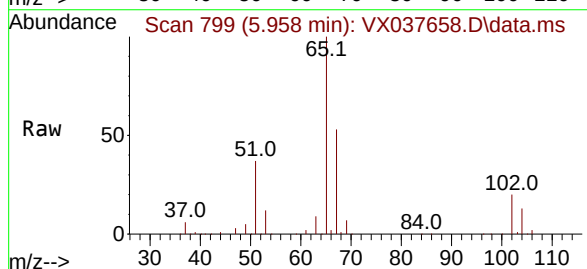
Instrument :
MSVOA_X
ClientSampleId :
VX0912WBL01

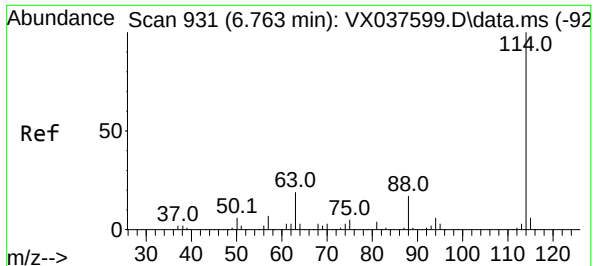
Tgt Ion:168 Resp: 221506
Ion Ratio Lower Upper
168 100
99 60.8 56.6 85.0



#33
1,2-Dichloroethane-d4
Concen: 43.661 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037658.D
Acq: 12 Sep 2023 10:46

Tgt Ion: 65 Resp: 156472
Ion Ratio Lower Upper
65 100
67 53.1 0.0 100.2

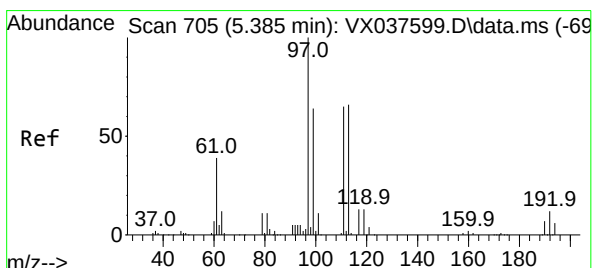
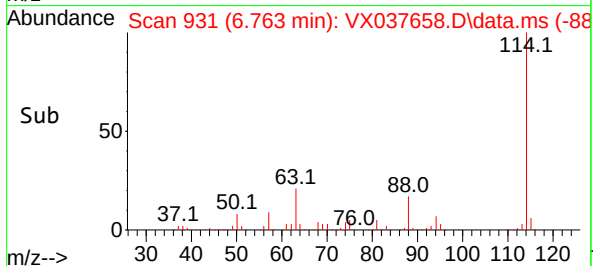
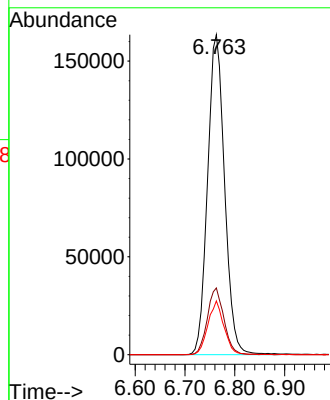
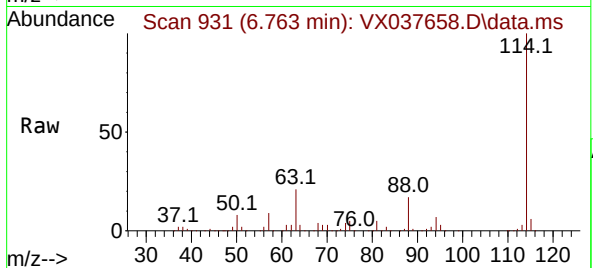




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX037658.D
Acq: 12 Sep 2023 10:46

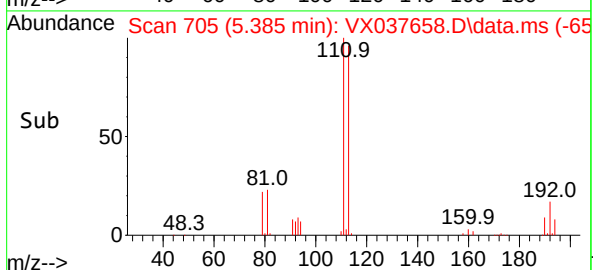
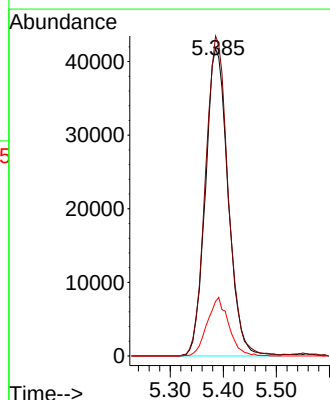
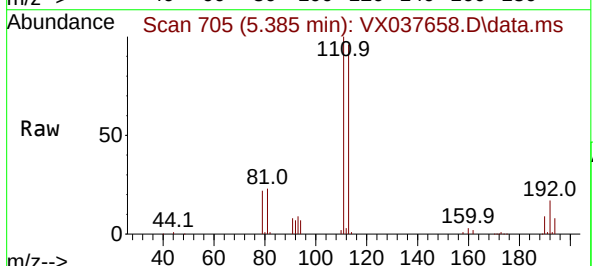
Instrument :
MSVOA_X
ClientSampleId :
VX0912WBL01

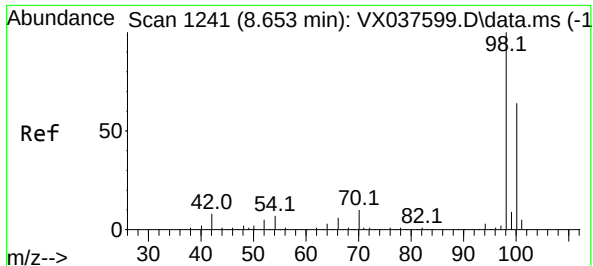
Tgt Ion:114 Resp: 387603
Ion Ratio Lower Upper
114 100
63 20.8 0.0 45.0
88 16.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.164 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037658.D
Acq: 12 Sep 2023 10:46

Tgt Ion:113 Resp: 124083
Ion Ratio Lower Upper
113 100
111 103.7 82.9 124.3
192 18.1 13.3 19.9





#50

Toluene-d8

Concen: 45.742 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX037658.D

Acq: 12 Sep 2023 10:46

Instrument :

MSVOA_X

ClientSampleId :

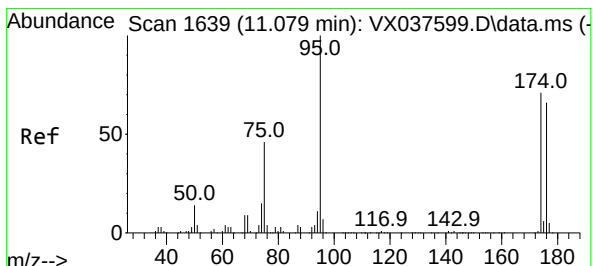
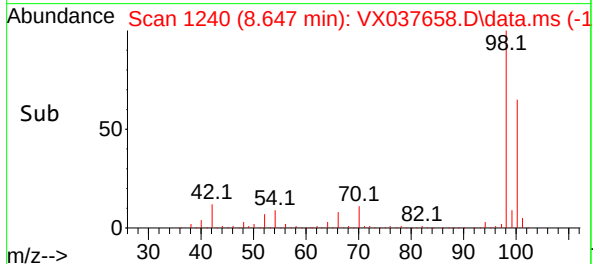
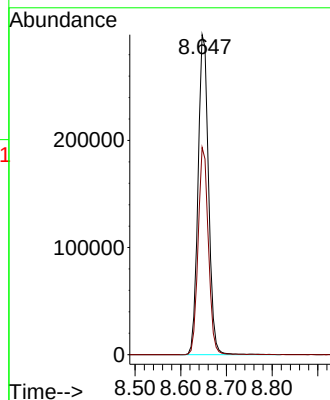
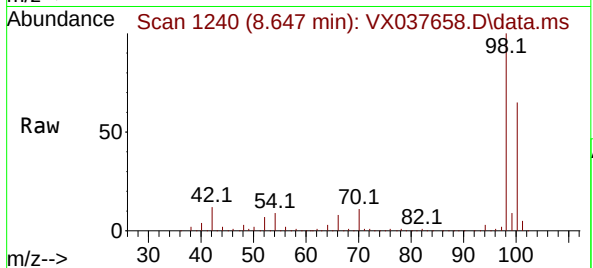
VX0912WBL01

Tgt Ion: 98 Resp: 473956

Ion Ratio Lower Upper

98 100

100 63.4 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 42.513 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX037658.D

Acq: 12 Sep 2023 10:46

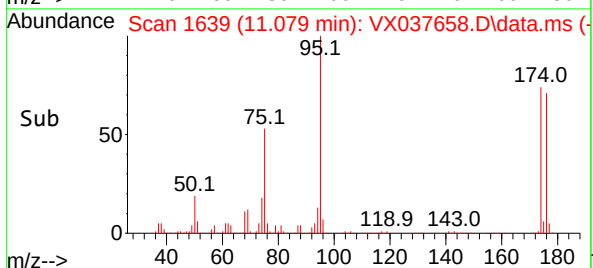
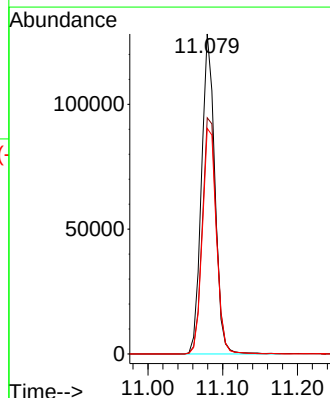
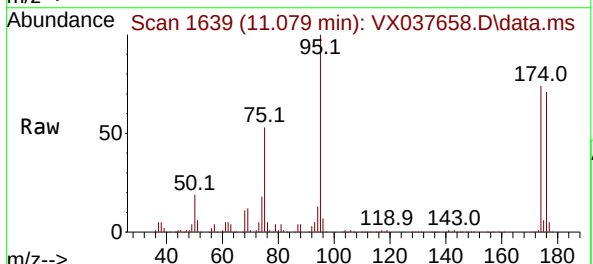
Tgt Ion: 95 Resp: 158921

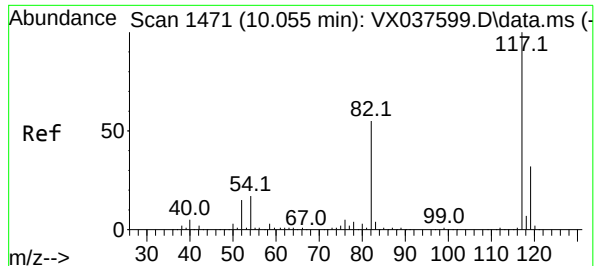
Ion Ratio Lower Upper

95 100

174 78.1 0.0 135.6

176 74.1 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX037658.D

Acq: 12 Sep 2023 10:46

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBL01

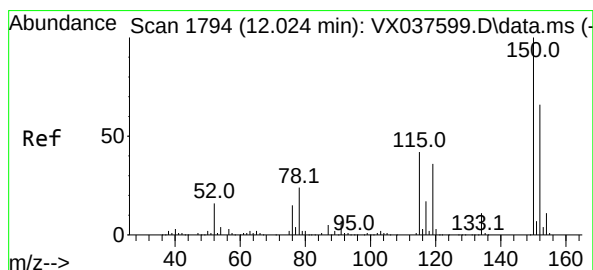
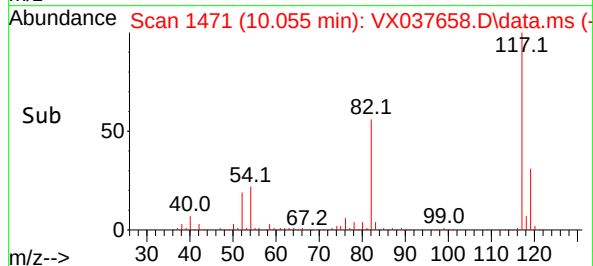
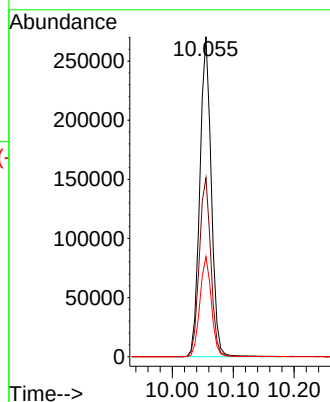
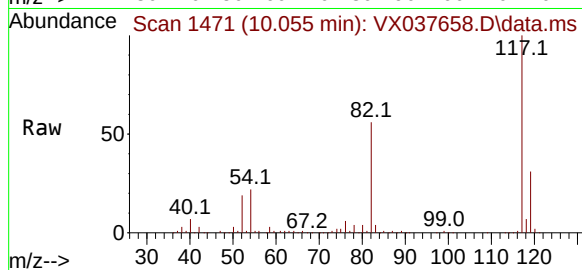
Tgt Ion:117 Resp: 352831

Ion Ratio Lower Upper

117 100

82 55.9 46.2 69.4

119 31.3 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX037658.D

Acq: 12 Sep 2023 10:46

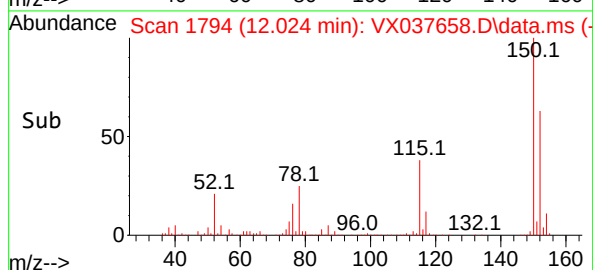
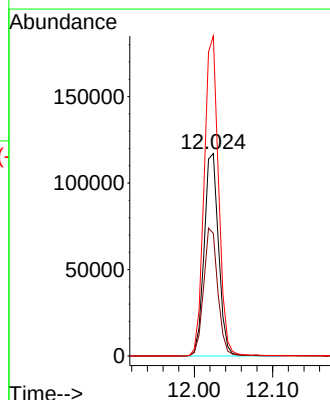
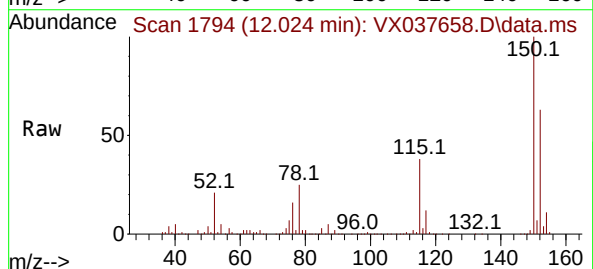
Tgt Ion:152 Resp: 149310

Ion Ratio Lower Upper

152 100

115 62.3 43.3 129.9

150 158.6 0.0 345.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037658.D
Acq On : 12 Sep 2023 10:46
Operator : JC/MD
Sample : VX0912WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBL01

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_X\Method\82X091123W.M
Title : SW846 8260

Signal : TIC: VX037658.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.587	69	82	88	rBV7	16560	59566	4.79%	0.900%
2	4.568	558	571	587	rBV	13787	48913	3.93%	0.739%
3	5.385	693	705	722	rBV	141619	419419	33.73%	6.339%
4	5.550	722	732	747	rVB	240628	677107	54.46%	10.234%
5	5.958	788	799	815	rBV	162627	435587	35.03%	6.584%
6	6.763	921	931	947	rBV	385482	910153	73.20%	13.756%
7	8.647	1234	1240	1256	rBV	788270	1243388	100.00%	18.793%
8	10.055	1465	1471	1488	rBV	816855	1083050	87.10%	16.369%
9	11.079	1634	1639	1652	rBV	625207	791402	63.65%	11.961%
10	12.018	1788	1793	1807	rBV	737117	947713	76.22%	14.324%

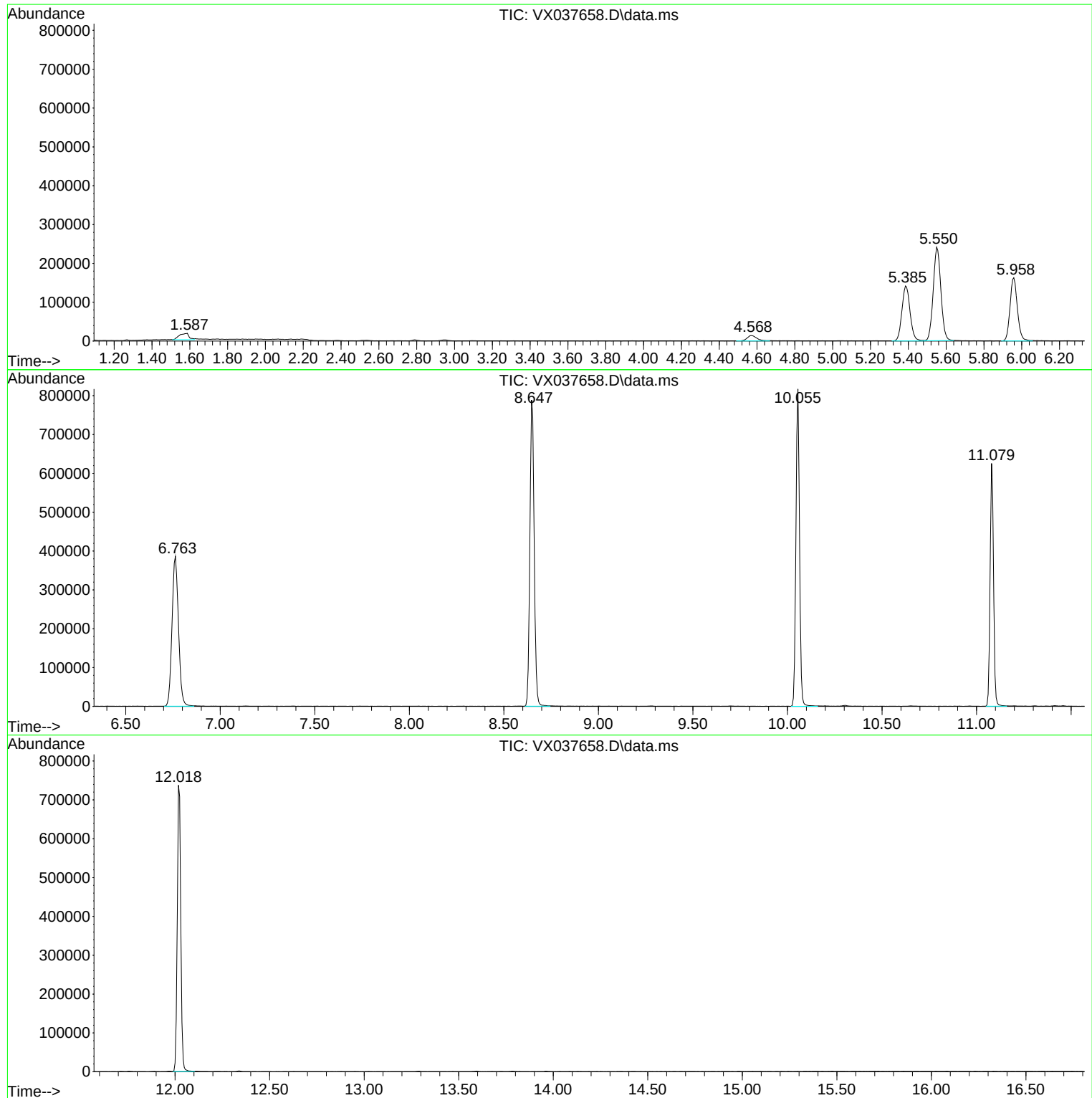
Sum of corrected areas: 6616298

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037658.D
Acq On : 12 Sep 2023 10:46
Operator : JC/MD
Sample : VX0912WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037658.D
Acq On : 12 Sep 2023 10:46
Operator : JC/MD
Sample : VX0912WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.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_X\Data\VX091223\
Data File : VX037658.D
Acq On : 12 Sep 2023 10:46
Operator : JC/MD
Sample : VX0912WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.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



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

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	
Project:	Andrews St. Site		Date Received:	
Client Sample ID:	VX0913WBL01		SDG No.:	O4373
Lab Sample ID:	VX0913WBL01		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:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037685.D	1		09/13/23 11:12	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	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	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrews St. Site	Date Received:	
Client Sample ID:	VX0913WBL01	SDG No.:	O4373
Lab Sample ID:	VX0913WBL01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037685.D	1		09/13/23 11:12	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	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	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	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	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.2		74 - 125	88%	SPK: 50
1868-53-7	Dibromofluoromethane	45.7		75 - 124	91%	SPK: 50
2037-26-5	Toluene-d8	45.4		86 - 113	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.5		64 - 133	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	213000	5.55			
540-36-3	1,4-Difluorobenzene	373000	6.763			
3114-55-4	Chlorobenzene-d5	346000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	147000	12.024			



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Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	
Project:	Andrews St. Site		Date Received:	
Client Sample ID:	VX0913WBL01		SDG No.:	O4373
Lab Sample ID:	VX0913WBL01		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:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037685.D	1		09/13/23 11:12	VX091323

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_X\Data\VX091323\
Data File : VX037685.D
Acq On : 13 Sep 2023 11:12
Operator : JC/MD
Sample : VX0913WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBL01

Quant Time: Sep 14 02:15:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	213382	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	373412	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	345672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	147339	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	152494	44.171	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.340%
35) Dibromofluoromethane	5.385	113	120912	45.683	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.360%
50) Toluene-d8	8.647	98	453573	45.438	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.880%#
62) 4-Bromofluorobenzene	11.079	95	156829	43.548	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.100%

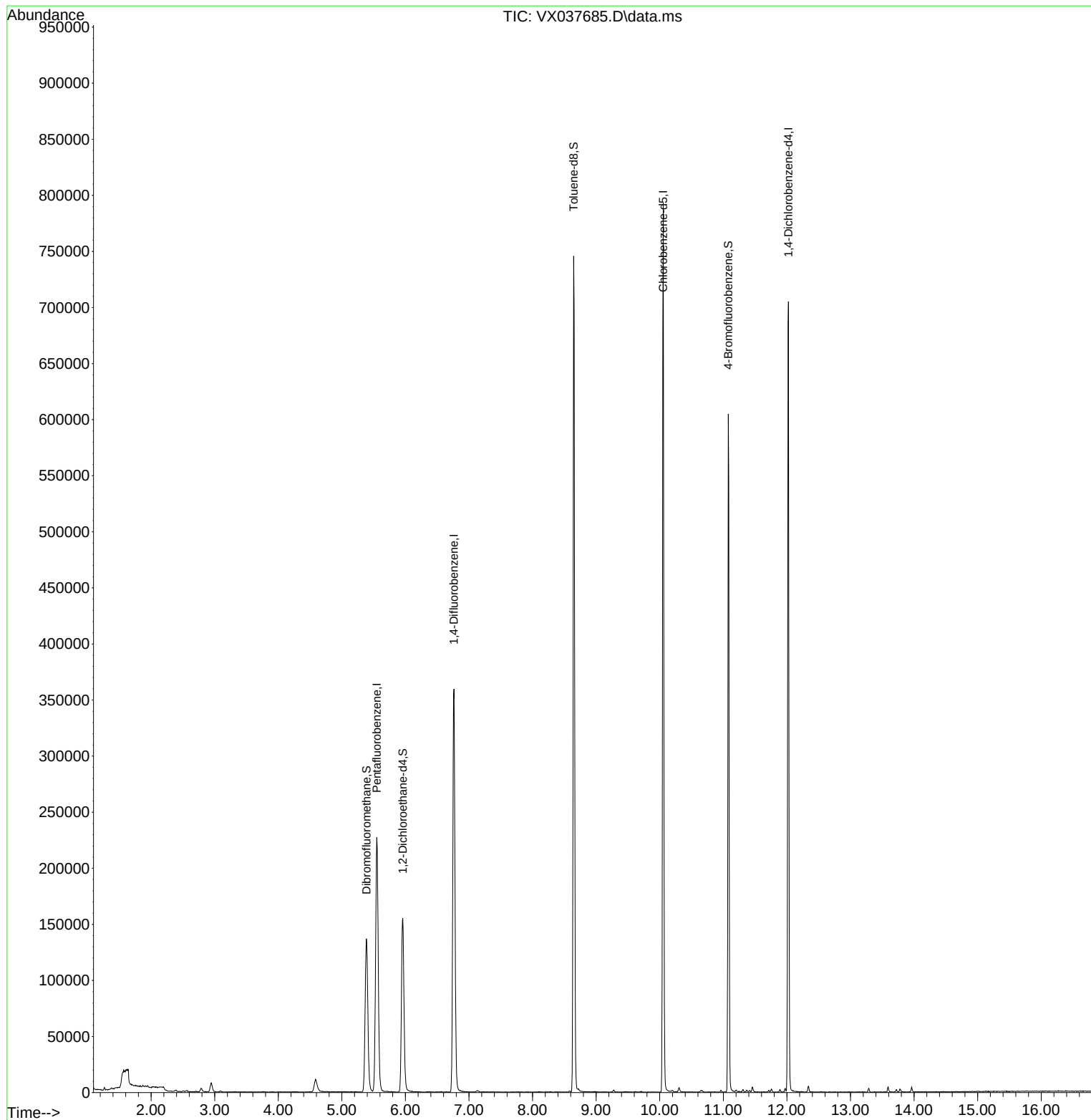
Target Compounds	Qvalue

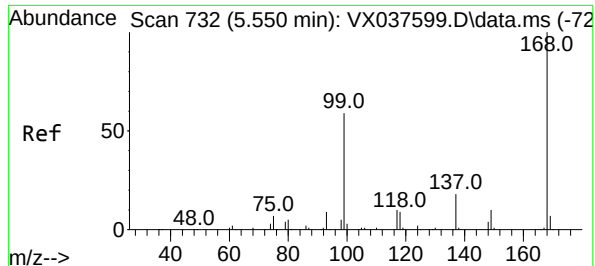
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037685.D
Acq On : 13 Sep 2023 11:12
Operator : JC/MD
Sample : VX0913WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBL01

Quant Time: Sep 14 02:15:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration

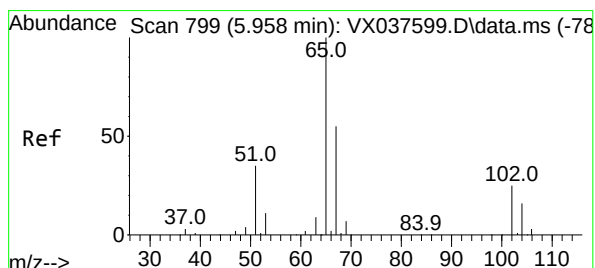
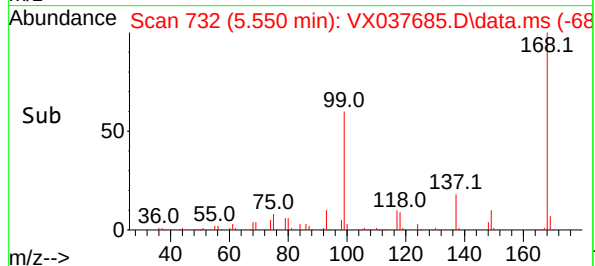
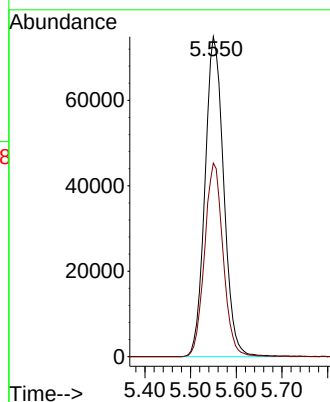
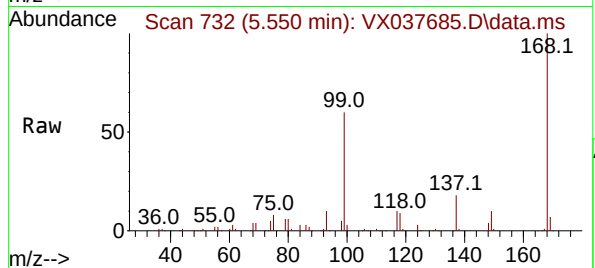




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037685.D
Acq: 13 Sep 2023 11:12

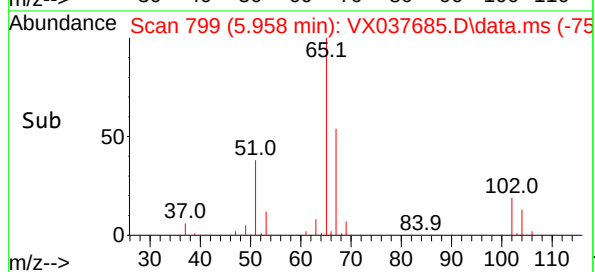
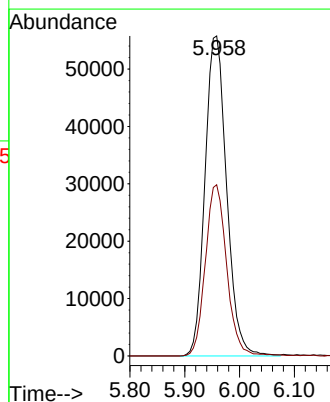
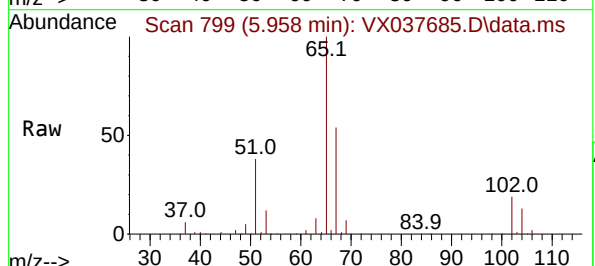
Instrument :
MSVOA_X
ClientSampleId :
VX0913WBL01

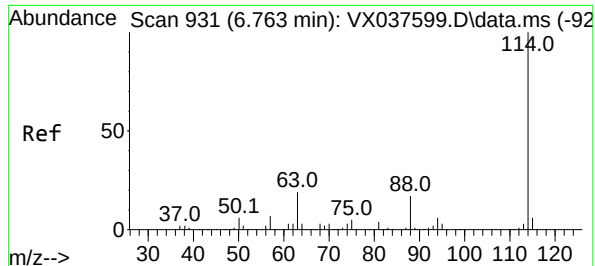
Tgt Ion:168 Resp: 213382
Ion Ratio Lower Upper
168 100
99 60.5 56.6 85.0



#33
1,2-Dichloroethane-d4
Concen: 44.171 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037685.D
Acq: 13 Sep 2023 11:12

Tgt Ion: 65 Resp: 152494
Ion Ratio Lower Upper
65 100
67 52.9 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX037685.D

Acq: 13 Sep 2023 11:12

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBL01

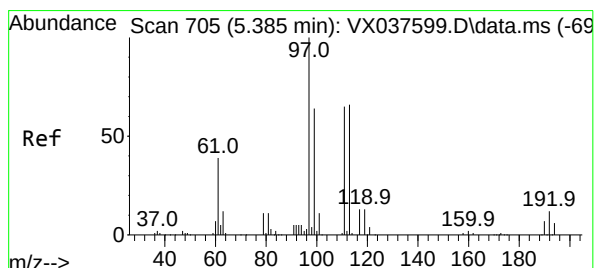
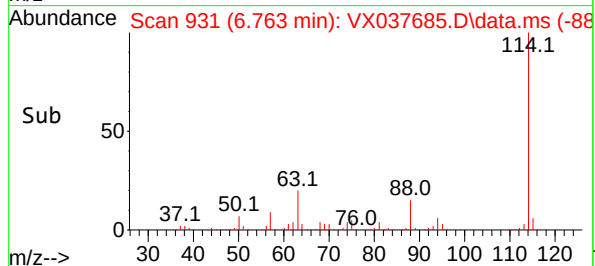
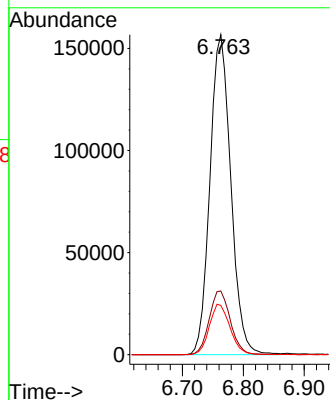
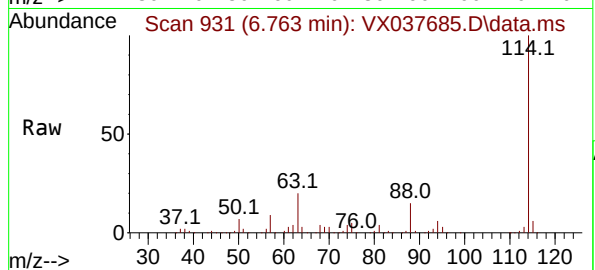
Tgt Ion:114 Resp: 373412

Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.0

88 15.4 0.0 36.6



#35

Dibromofluoromethane

Concen: 45.683 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX037685.D

Acq: 13 Sep 2023 11:12

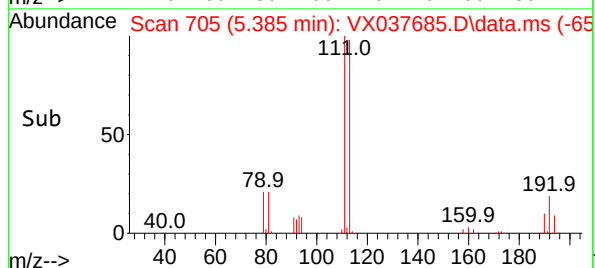
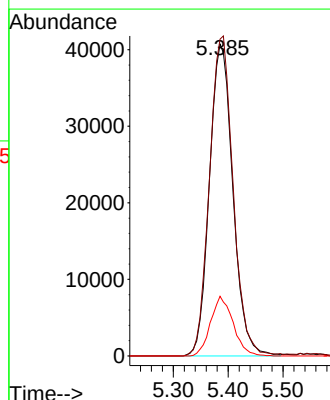
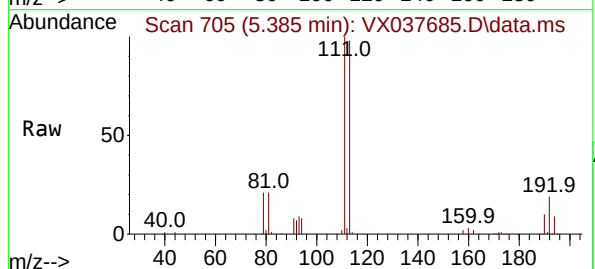
Tgt Ion:113 Resp: 120912

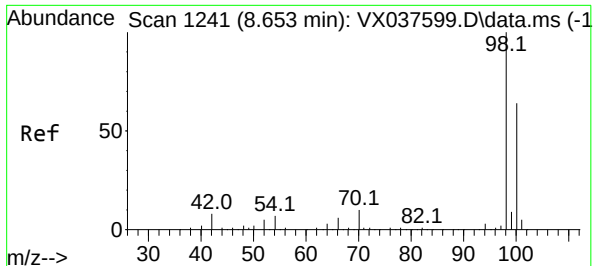
Ion Ratio Lower Upper

113 100

111 103.4 82.9 124.3

192 18.4 13.3 19.9





#50

Toluene-d8

Concen: 45.438 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX037685.D

Acq: 13 Sep 2023 11:12

Instrument :

MSVOA_X

ClientSampleId :

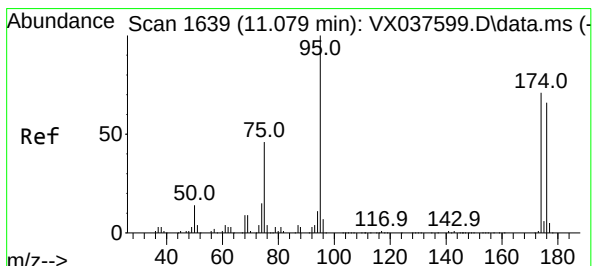
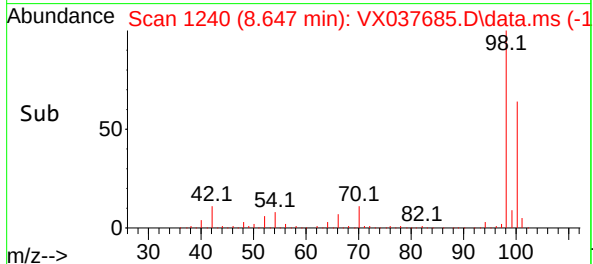
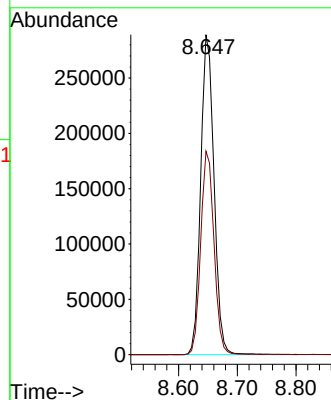
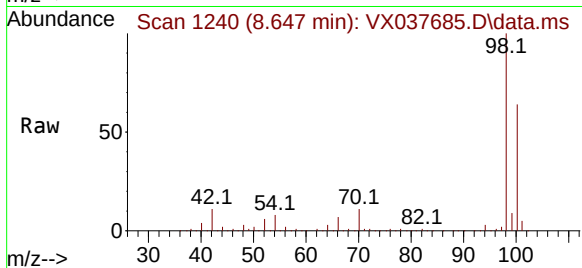
VX0913WBL01

Tgt Ion: 98 Resp: 453573

Ion Ratio Lower Upper

98 100

100 63.6 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 43.548 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX037685.D

Acq: 13 Sep 2023 11:12

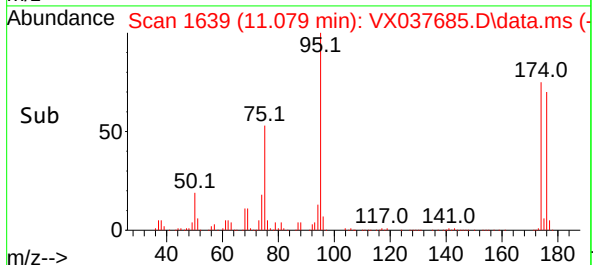
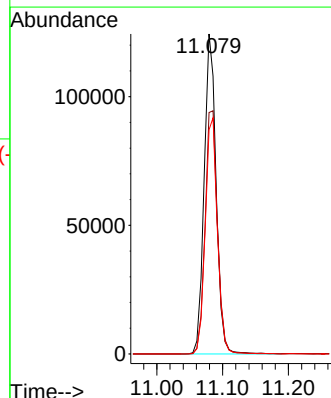
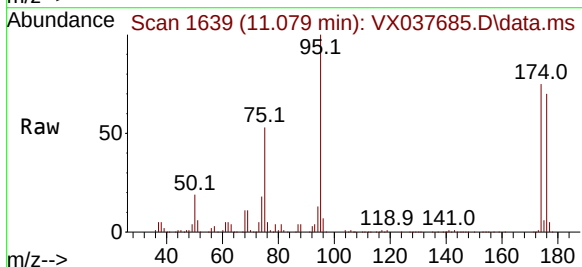
Tgt Ion: 95 Resp: 156829

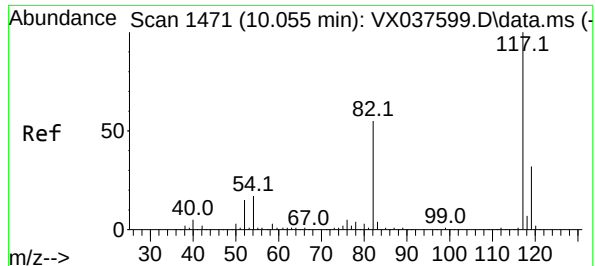
Ion Ratio Lower Upper

95 100

174 79.0 0.0 135.6

176 74.9 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX037685.D

Acq: 13 Sep 2023 11:12

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBL01

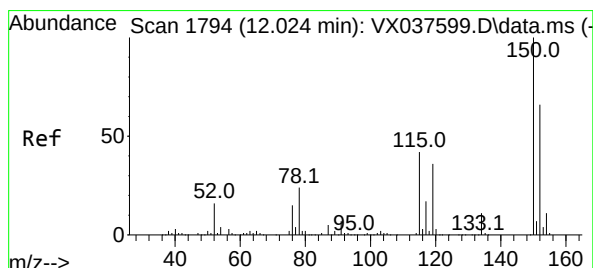
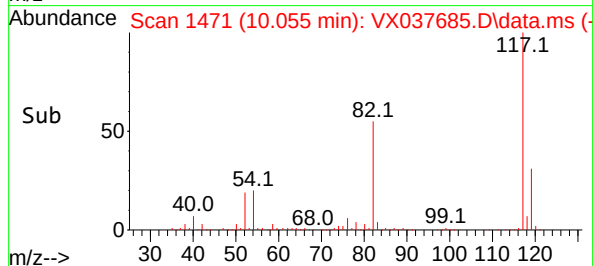
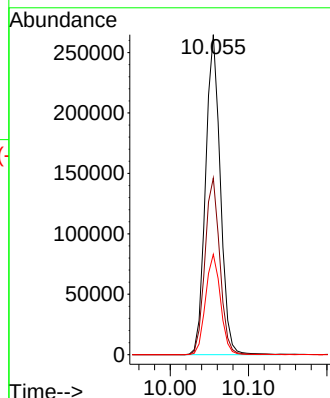
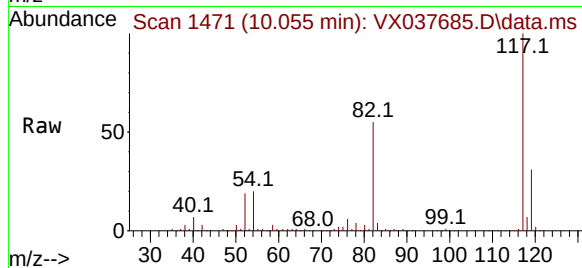
Tgt Ion:117 Resp: 345672

Ion Ratio Lower Upper

117 100

82 55.2 46.2 69.4

119 31.4 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX037685.D

Acq: 13 Sep 2023 11:12

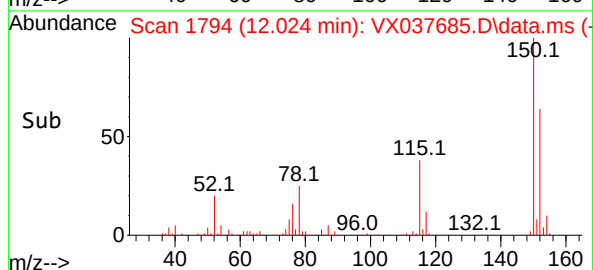
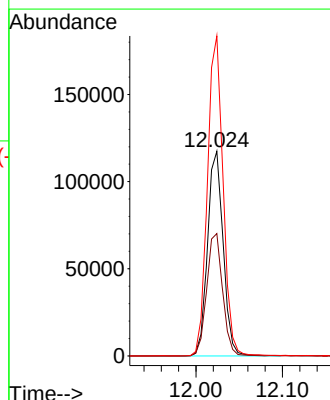
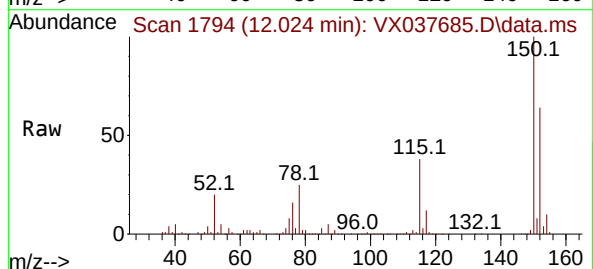
Tgt Ion:152 Resp: 147339

Ion Ratio Lower Upper

152 100

115 60.9 43.3 129.9

150 156.3 0.0 345.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037685.D
Acq On : 13 Sep 2023 11:12
Operator : JC/MD
Sample : VX0913WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBL01

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_X\Method\82X091123W.M
Title : SW846 8260

Signal : TIC: VX037685.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.569	68	79	80	rBV5	15596	39944	3.39%	0.628%
2	2.946	297	305	312	rBV	8009	18580	1.58%	0.292%
3	4.586	564	574	586	rBV	11197	37565	3.19%	0.591%
4	5.385	692	705	721	rBV2	136660	406765	34.57%	6.397%
5	5.550	721	732	751	rVB	226575	643597	54.70%	10.122%
6	5.958	785	799	818	rBV	155178	430610	36.60%	6.772%
7	6.763	921	931	947	rBV	359304	868597	73.82%	13.660%
8	8.647	1234	1240	1250	rBV	745026	1176683	100.00%	18.506%
9	10.055	1465	1471	1488	rBV	792598	1048974	89.15%	16.497%
10	11.079	1634	1639	1651	rBV	604470	771373	65.55%	12.131%
11	12.024	1788	1794	1803	rBV	703796	915838	77.83%	14.403%

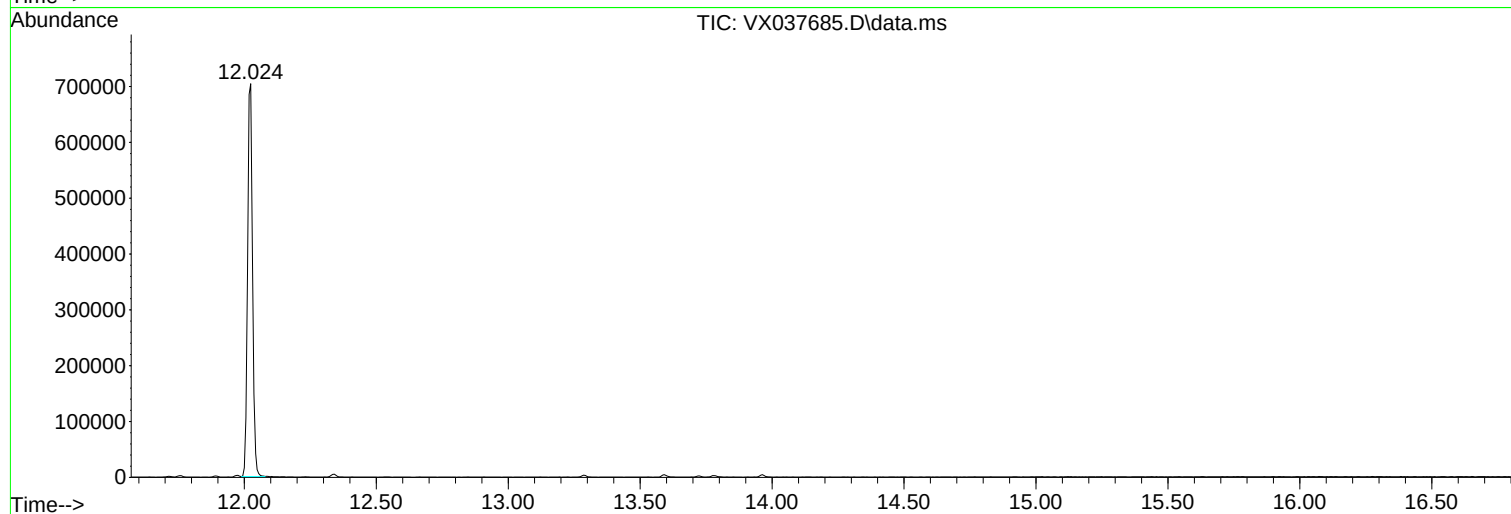
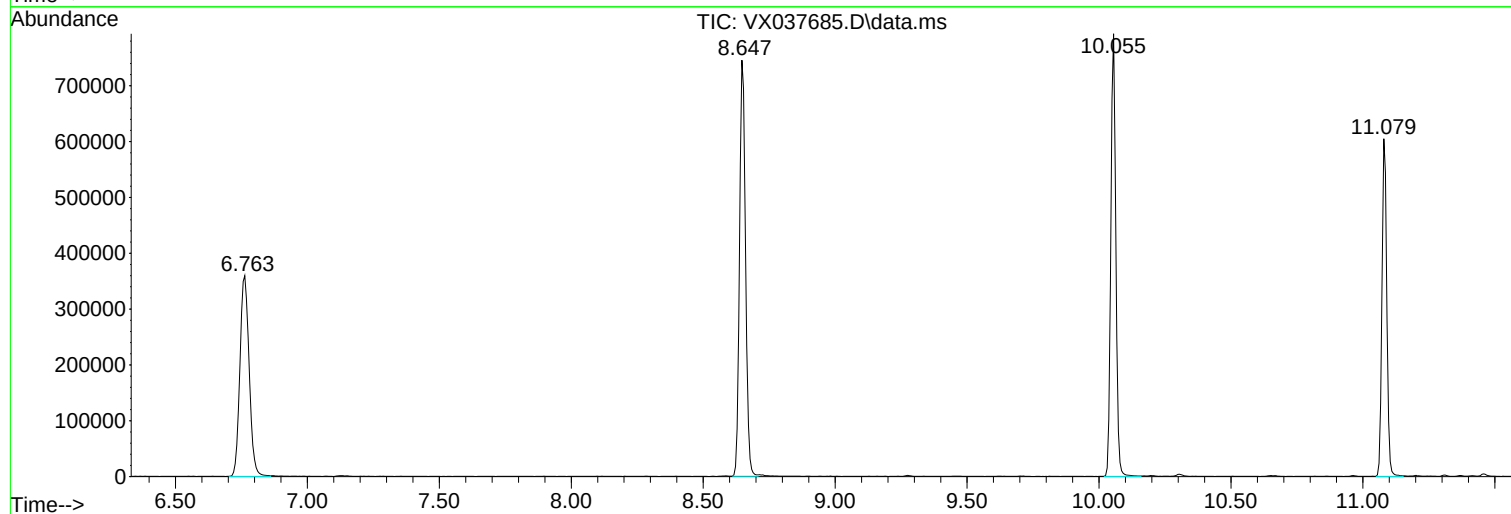
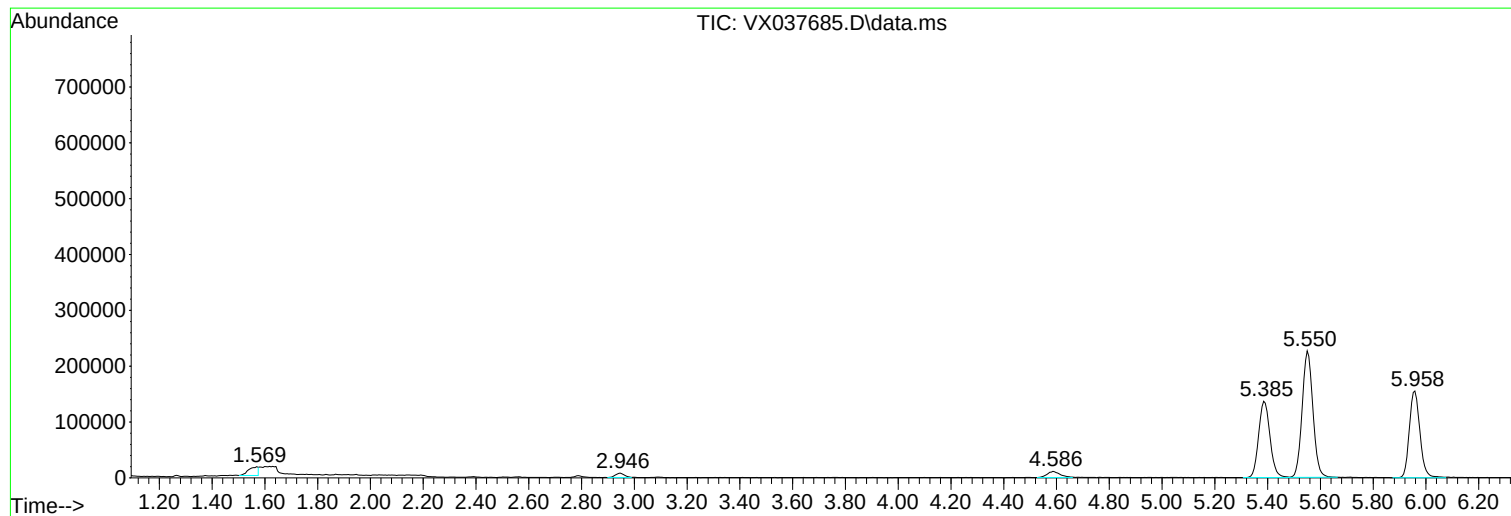
Sum of corrected areas: 6358526

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037685.D
Acq On : 13 Sep 2023 11:12
Operator : JC/MD
Sample : VX0913WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037685.D
Acq On : 13 Sep 2023 11:12
Operator : JC/MD
Sample : VX0913WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.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_X\Data\VX091323\
Data File : VX037685.D
Acq On : 13 Sep 2023 11:12
Operator : JC/MD
Sample : VX0913WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.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



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

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	
Project:	Andrews St. Site		Date Received:	
Client Sample ID:	VX0912WBS01		SDG No.:	O4373
Lab Sample ID:	VX0912WBS01		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:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037659.D	1		09/12/23 11:18	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.3		0.14	1.00	ug/L
74-87-3	Chloromethane	17.8		0.25	1.00	ug/L
75-01-4	Vinyl Chloride	18.4		0.25	1.00	ug/L
74-83-9	Bromomethane	18.5		1.60	5.00	ug/L
75-00-3	Chloroethane	19.1		0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.9		0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.6		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.1		0.21	1.00	ug/L
67-64-1	Acetone	88.0		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	17.0		0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.4		0.14	1.00	ug/L
79-20-9	Methyl Acetate	16.5		0.36	1.00	ug/L
75-09-2	Methylene Chloride	18.3		0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.6		0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.1		0.16	1.00	ug/L
110-82-7	Cyclohexane	19.0		1.60	5.00	ug/L
78-93-3	2-Butanone	83.1		1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.1		0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.7		0.20	1.00	ug/L
74-97-5	Bromochloromethane	18.2		0.14	1.00	ug/L
67-66-3	Chloroform	18.0		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.3		0.14	1.00	ug/L
108-87-2	Methylcyclohexane	20.0		0.16	1.00	ug/L
71-43-2	Benzene	19.1		0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.2		0.16	1.00	ug/L
79-01-6	Trichloroethene	19.3		0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.2		0.15	1.00	ug/L
75-27-4	Bromodichloromethane	18.8		0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	91.8		0.74	5.00	ug/L
108-88-3	Toluene	20.3		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.5		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.7		0.15	1.00	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrews St. Site	Date Received:	
Client Sample ID:	VX0912WBS01	SDG No.:	O4373
Lab Sample ID:	VX0912WBS01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037659.D	1		09/12/23 11:18	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	18.7		0.13	1.00	ug/L
591-78-6	2-Hexanone	94.3		0.98	5.00	ug/L
124-48-1	Dibromochloromethane	19.0		0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.5		0.13	1.00	ug/L
127-18-4	Tetrachloroethene	19.6		0.17	1.00	ug/L
108-90-7	Chlorobenzene	19.4		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	20.0		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.2		0.31	2.00	ug/L
95-47-6	o-Xylene	20.2		0.15	1.00	ug/L
100-42-5	Styrene	19.8		0.13	1.00	ug/L
75-25-2	Bromoform	18.1		0.15	1.00	ug/L
98-82-8	Isopropylbenzene	20.3		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.0		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.7		0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.4		0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.4		0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.3		0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0		0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.5		0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.9		74 - 125	92%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	53.7		86 - 113	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.9		64 - 133	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	208000	5.55			
540-36-3	1,4-Difluorobenzene	353000	6.763			
3114-55-4	Chlorobenzene-d5	346000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	175000	12.024			



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Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	
Project:	Andrews St. Site		Date Received:	
Client Sample ID:	VX0912WBS01		SDG No.:	O4373
Lab Sample ID:	VX0912WBS01		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:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037659.D	1		09/12/23 11:18	VX091223

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_X\Data\VX091223\
 Data File : VX037659.D
 Acq On : 12 Sep 2023 11:18
 Operator : JC/MD
 Sample : VX0912WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912WBS01

Manual Integrations APPROVED

Reviewed By : John Carlone 09/13/2023
 Supervised By : Mahesh Dadoda 09/13/2023

Quant Time: Sep 12 11:44:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	207849	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	353263	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	345854	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	175090	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.958	65	154202	45.855	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.700%
35) Dibromofluoromethane	5.385	113	125706	50.203	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.400%
50) Toluene-d8	8.647	98	507320	53.721	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	107.440%
62) 4-Bromofluorobenzene	11.079	95	183687	53.915	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.820%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	42978	19.340	ug/l	94
3) Chloromethane	1.300	50	46400	17.802	ug/l	96
4) Vinyl Chloride	1.374	62	52749	18.389	ug/l	99
5) Bromomethane	1.605	94	45166	18.490	ug/l	99
6) Chloroethane	1.685	64	37196	19.071	ug/l	99
7) Trichlorofluoromethane	1.886	101	86912	17.865	ug/l	99
8) Diethyl Ether	2.136	74	32970	16.770	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.331	101	40111	18.641	ug/l	99
10) Methyl Iodide	2.453	142	46970	18.363	ug/l	94
11) Tert butyl alcohol	2.959	59	60337	79.265	ug/l #	91
12) 1,1-Dichloroethene	2.319	96	38230	18.085	ug/l	94
13) Acrolein	2.233	56	49423	89.951	ug/l	98
14) Allyl chloride	2.666	41	67429	17.926	ug/l	97
15) Acrylonitrile	3.062	53	131254	82.992	ug/l	98
16) Acetone	2.380	43	122289	87.968	ug/l	93
17) Carbon Disulfide	2.514	76	92463	16.968	ug/l	98
18) Methyl Acetate	2.703	43	96137	16.500	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	148120	17.357	ug/l	97
20) Methylene Chloride	2.788	84	50310	18.299	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	44238	17.648	ug/l	93
22) Diisopropyl ether	3.763	45	152800	18.611	ug/l #	85
23) Vinyl Acetate	3.721	43	536953	89.139	ug/l	97
24) 1,1-Dichloroethane	3.611	63	86763	18.063	ug/l	99
25) 2-Butanone	4.556	43	185377	83.051	ug/l	94
26) 2,2-Dichloropropane	4.471	77	67418	20.271	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	53107	17.716	ug/l	95
28) Bromochloromethane	4.897	49	44252	18.169	ug/l	91
29) Tetrahydrofuran	5.007	42	118558	82.350	ug/l	91
30) Chloroform	5.086	83	93972	18.044	ug/l	99
31) Cyclohexane	5.470	56	73485	18.977	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	80031	18.296	ug/l	100
36) 1,1-Dichloropropene	5.690	75	64590	18.705	ug/l	98
37) Ethyl Acetate	4.714	43	71802	18.030	ug/l	97
38) Carbon Tetrachloride	5.678	117	65788	19.076	ug/l	96
39) Methylcyclohexane	7.379	83	81120	19.973	ug/l	96
40) Benzene	6.037	78	200765	19.121	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
 Data File : VX037659.D
 Acq On : 12 Sep 2023 11:18
 Operator : JC/MD
 Sample : VX0912WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912WBS01

Quant Time: Sep 12 11:44:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/13/2023
 Supervised By : Mahesh Dadoda 09/13/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	36286	17.151	ug/l #	88
42) 1,2-Dichloroethane	6.092	62	74120	18.218	ug/l	99
43) Isopropyl Acetate	6.342	43	115446	18.339	ug/l	99
44) Trichloroethene	7.123	130	49582	19.349	ug/l	94
45) 1,2-Dichloropropane	7.427	63	52838	19.179	ug/l	99
46) Dibromomethane	7.580	93	36530	18.174	ug/l	97
47) Bromodichloromethane	7.818	83	67748	18.806	ug/l	99
48) Methyl methacrylate	7.696	41	54950	17.873	ug/l	88
49) 1,4-Dioxane	7.659	88	25952	338.893	ug/l #	91
51) 4-Methyl-2-Pentanone	8.574	43	380948	91.781	ug/l	97
52) Toluene	8.720	92	134646	20.267	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	71136	19.536	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	78147	19.679	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	53559	18.748	ug/l	94
56) Ethyl methacrylate	9.116	69	81210	18.916	ug/l	94
57) 1,3-Dichloropropane	9.305	76	87584	18.417	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	202518	97.736	ug/l	98
59) 2-Hexanone	9.427	43	300264	94.314	ug/l	96
60) Dibromochloromethane	9.518	129	52663	18.992	ug/l	100
61) 1,2-Dibromoethane	9.610	107	55656	18.476	ug/l	99
64) Tetrachloroethene	9.275	164	43487	19.629	ug/l	99
65) Chlorobenzene	10.079	112	144992	19.447	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	50787	19.518	ug/l	99
67) Ethyl Benzene	10.195	91	265471	20.022	ug/l	99
68) m/p-Xylenes	10.299	106	203264	40.234	ug/l	100
69) o-Xylene	10.640	106	101371	20.235	ug/l	100
70) Styrene	10.652	104	163677	19.804	ug/l	97
71) Bromoform	10.799	173	36091	18.145	ug/l #	99
73) Isopropylbenzene	10.963	105	267257	20.283	ug/l	98
74) N-amyl acetate	10.841	43	108646	18.678	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	89908	17.997	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	70208m	17.739	ug/l	
77) Bromobenzene	11.195	156	61238	19.365	ug/l	95
78) n-propylbenzene	11.305	91	309899	20.378	ug/l	100
79) 2-Chlorotoluene	11.366	91	187248	20.021	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	226569	20.355	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	22215	17.543	ug/l	97
82) 4-Chlorotoluene	11.451	91	212569	19.970	ug/l	98
83) tert-Butylbenzene	11.713	119	224128	20.194	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	230315	20.602	ug/l	99
85) sec-Butylbenzene	11.890	105	281160	20.439	ug/l	100
86) p-Isopropyltoluene	12.012	119	235047	20.750	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	118203	19.673	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	118747	19.413	ug/l	98
89) n-Butylbenzene	12.329	91	209362	20.646	ug/l	96
90) Hexachloroethane	12.536	117	38823	20.272	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	118814	19.447	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18107	17.257	ug/l	88
93) 1,2,4-Trichlorobenzene	13.585	180	70921	19.985	ug/l	96
94) Hexachlorobutadiene	13.725	225	31713	20.619	ug/l	97
95) Naphthalene	13.774	128	240613	18.731	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	71483	19.534	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
Data File : VX037659.D
Acq On : 12 Sep 2023 11:18
Operator : JC/MD
Sample : VX0912WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023

Quant Time: Sep 12 11:44:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration

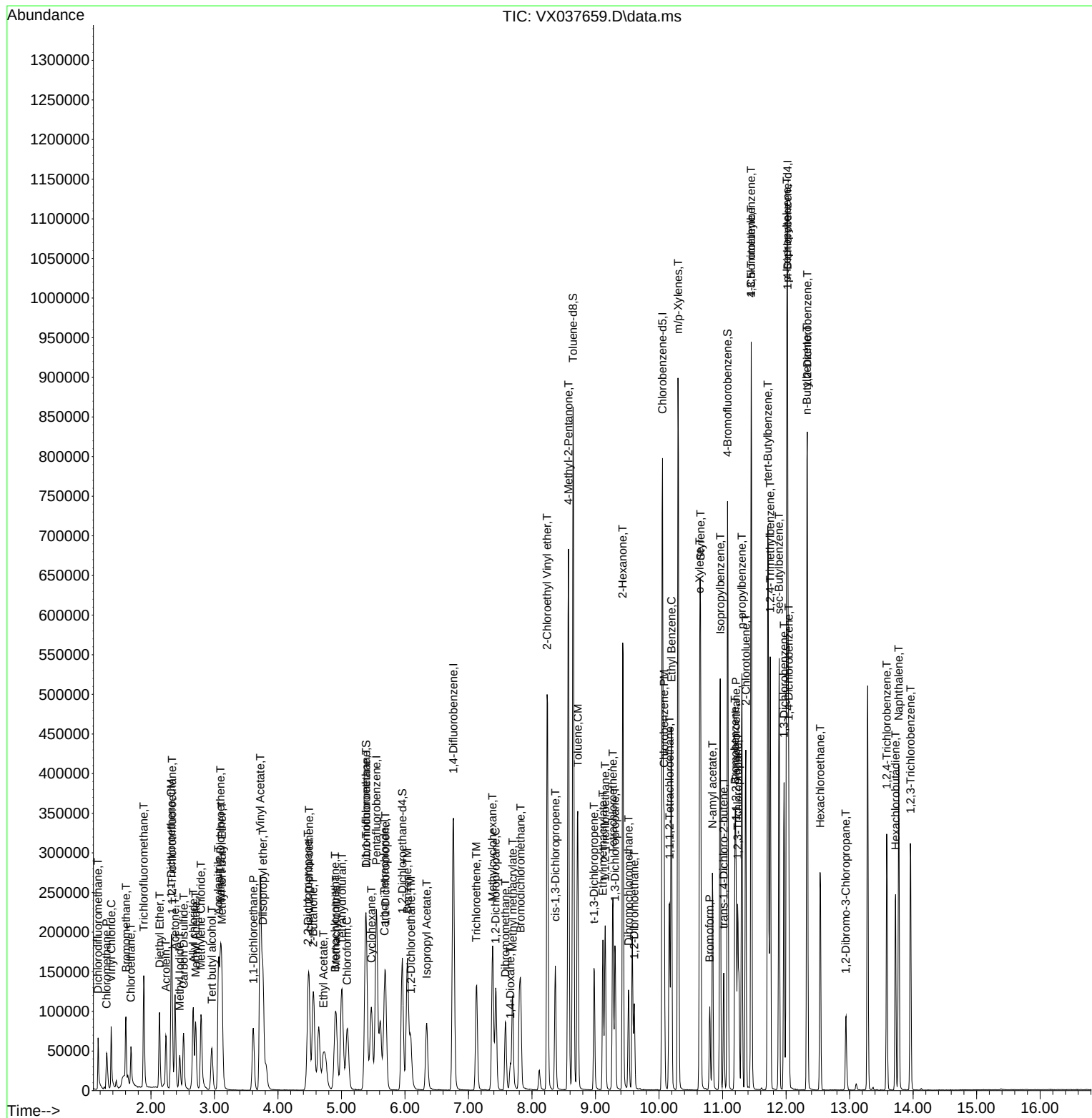
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

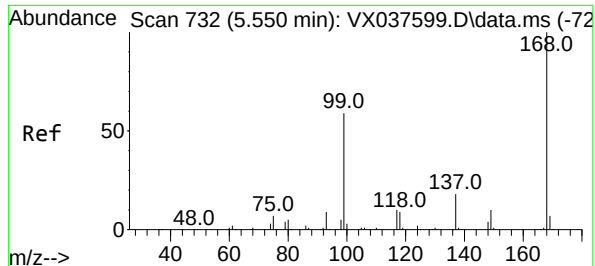
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

Manual Integrations APPROVED

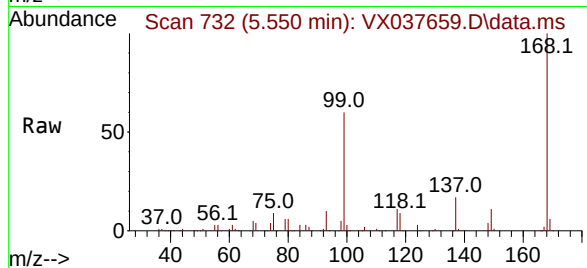
Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX037659.D
Acq: 12 Sep 2023 11:18

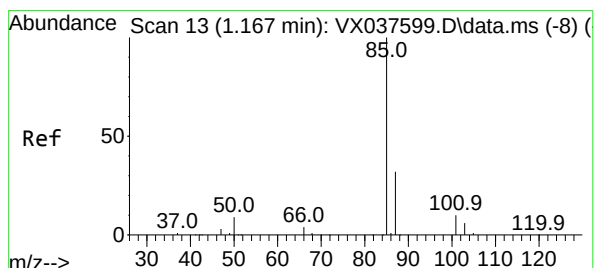
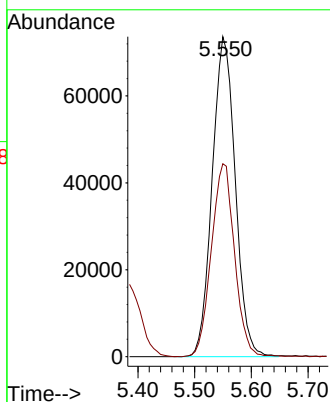
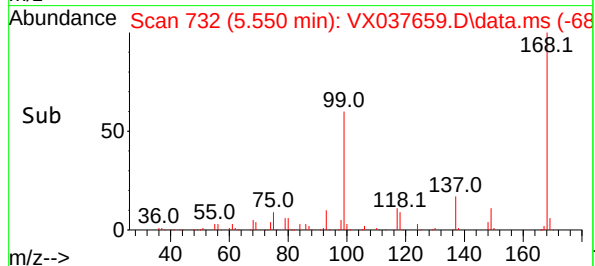
Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01



Tgt Ion:168 Resp: 207849
Ion Ratio Lower Upper
168 100
99 60.3 56.6 85.0

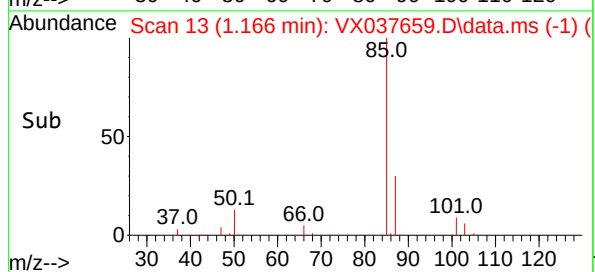
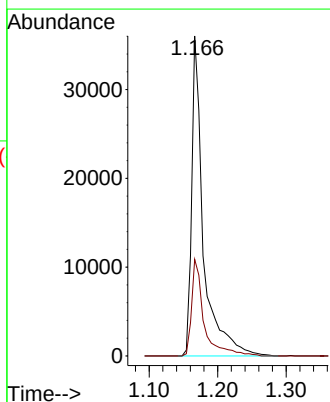
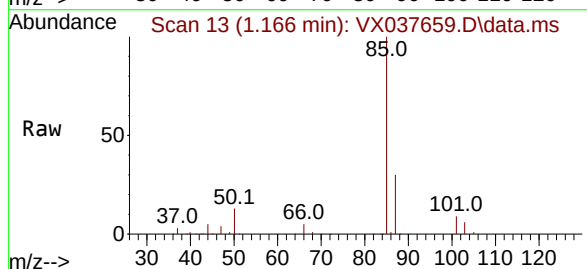
Manual Integrations
APPROVED

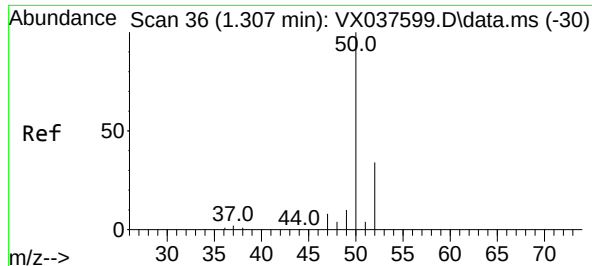
Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023



#2
Dichlorodifluoromethane
Concen: 19.340 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX037659.D
Acq: 12 Sep 2023 11:18

Tgt Ion: 85 Resp: 42978
Ion Ratio Lower Upper
85 100
87 30.2 16.7 50.1





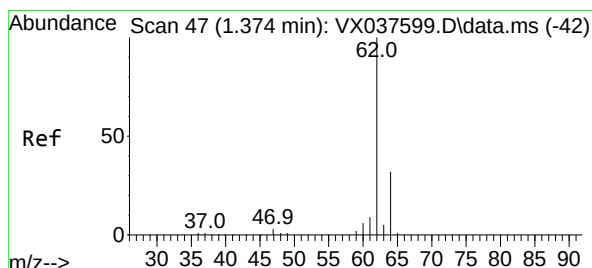
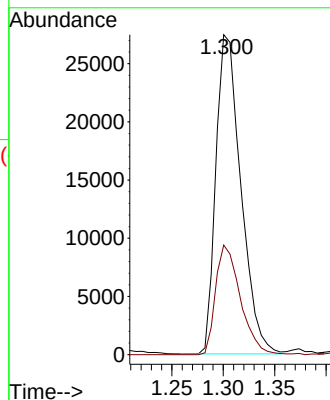
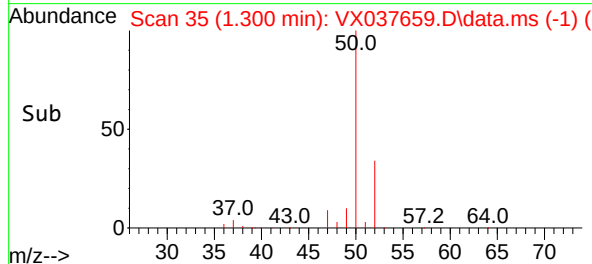
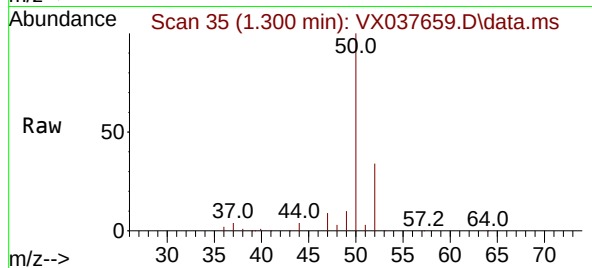
#3
Chloromethane
Concen: 17.802 ug/l
RT: 1.300 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX037659.D
Acq: 12 Sep 2023 11:18

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

Tgt Ion: 50 Resp: 46400
Ion Ratio Lower Upper
50 100
52 34.3 25.5 38.3

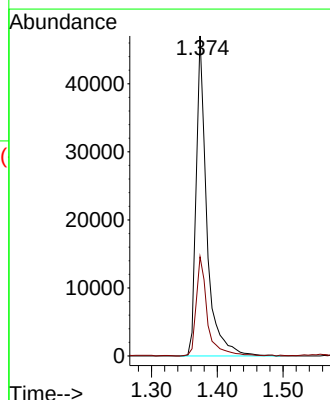
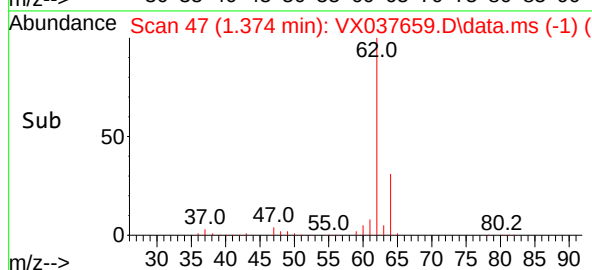
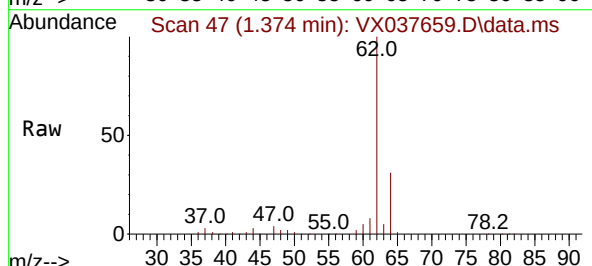
Manual Integrations
APPROVED

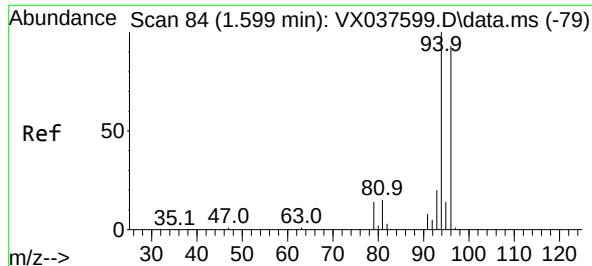
Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023



#4
Vinyl Chloride
Concen: 18.389 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX037659.D
Acq: 12 Sep 2023 11:18

Tgt Ion: 62 Resp: 52749
Ion Ratio Lower Upper
62 100
64 31.0 25.4 38.0





#5

Bromomethane

Concen: 18.490 ug/l

RT: 1.605 min Scan# 84

Delta R.T. 0.006 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion: 94 Resp: 4516

Ion Ratio Lower Upper

94 100

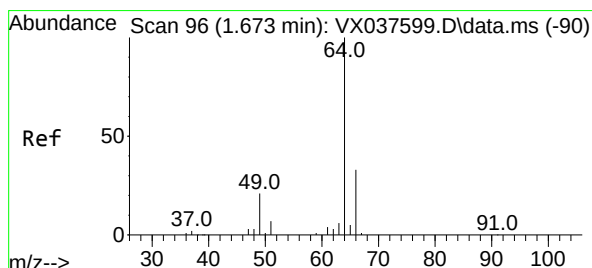
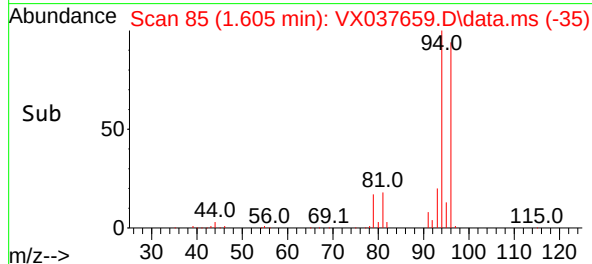
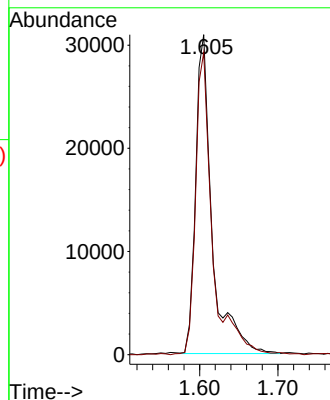
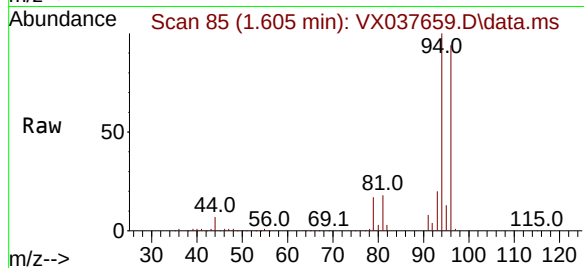
96 94.4 74.6 111.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#6

Chloroethane

Concen: 19.071 ug/l

RT: 1.685 min Scan# 98

Delta R.T. 0.012 min

Lab File: VX037659.D

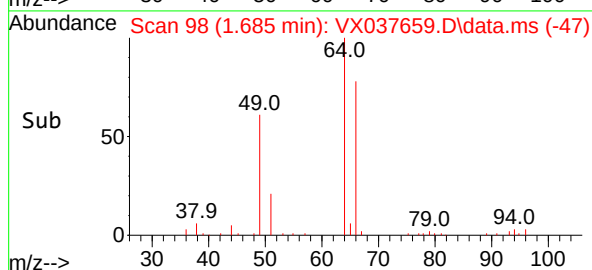
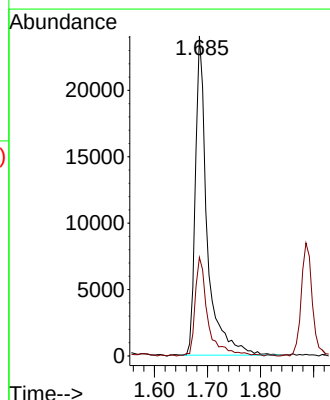
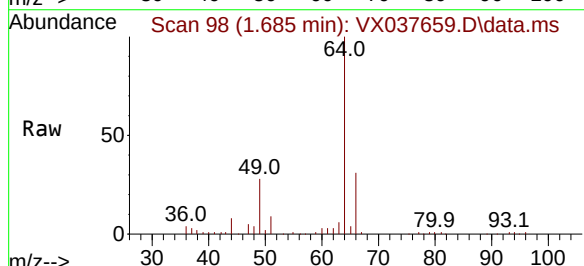
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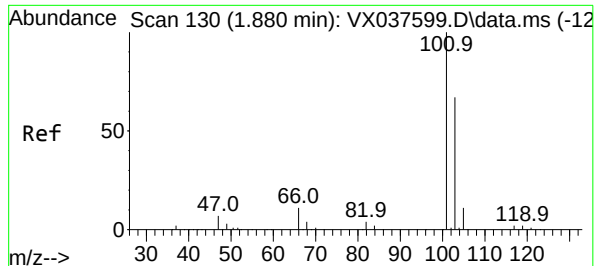
Tgt Ion: 64 Resp: 37196

Ion Ratio Lower Upper

64 100

66 30.9 25.1 37.7





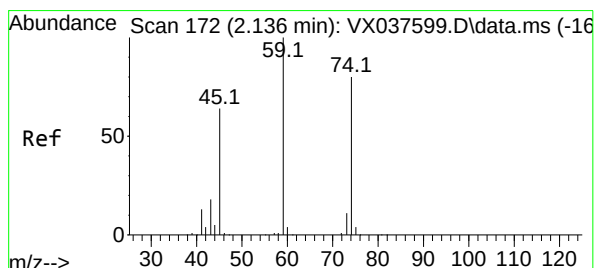
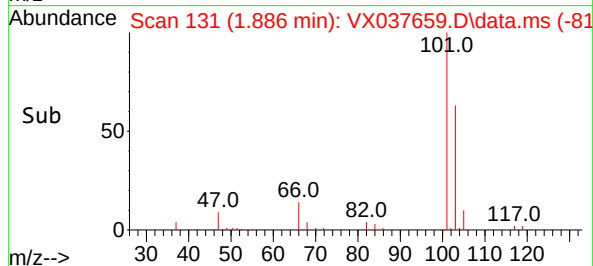
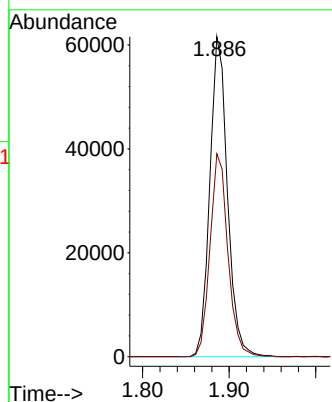
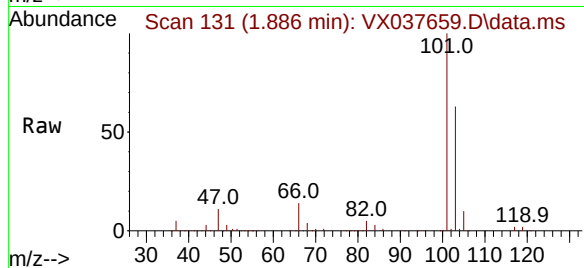
#7
Trichlorofluoromethane
Concen: 17.865 ug/l
RT: 1.886 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037659.D
Acq: 12 Sep 2023 11:18

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

Tgt Ion:101 Resp: 8691
Ion Ratio Lower Upper
101 100
103 63.4 51.4 77.2

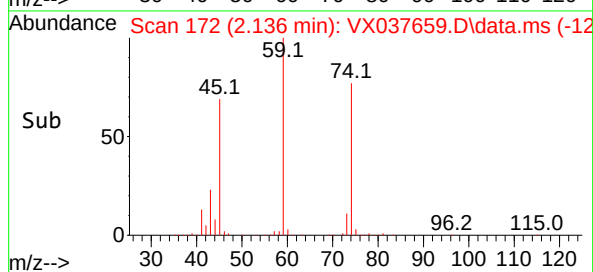
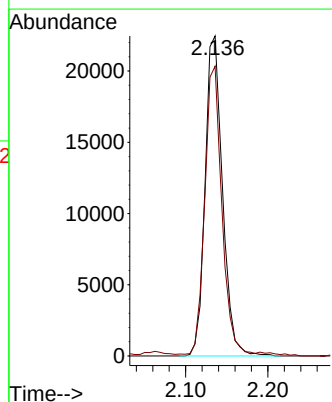
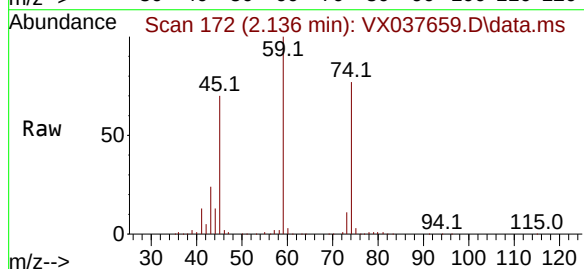
Manual Integrations
APPROVED

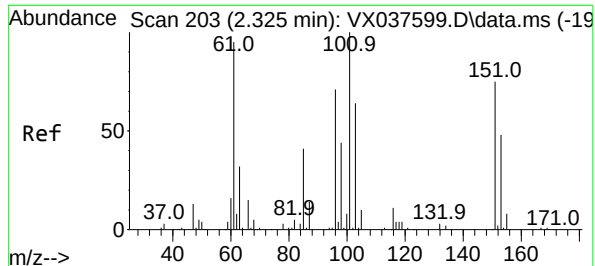
Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023



#8
Diethyl Ether
Concen: 16.770 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX037659.D
Acq: 12 Sep 2023 11:18

Tgt Ion: 74 Resp: 32970
Ion Ratio Lower Upper
74 100
45 87.8 53.3 159.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.641 ug/l

RT: 2.331 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion:101 Resp: 4011

Ion Ratio Lower Upper

101 100

85 47.6 37.0 55.6

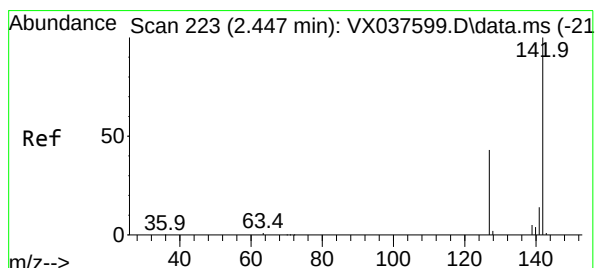
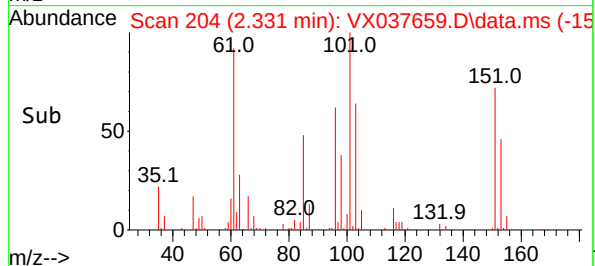
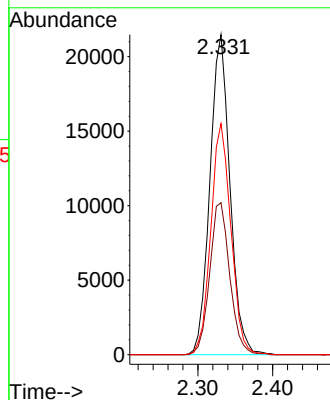
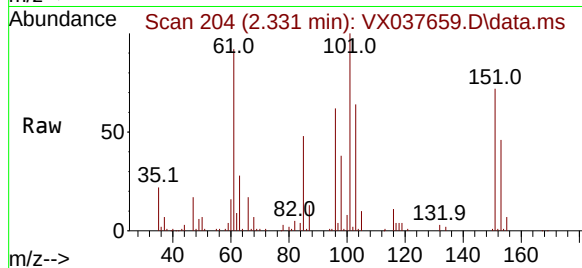
151 72.3 58.6 87.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#10

Methyl Iodide

Concen: 18.363 ug/l

RT: 2.453 min Scan# 224

Delta R.T. 0.006 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

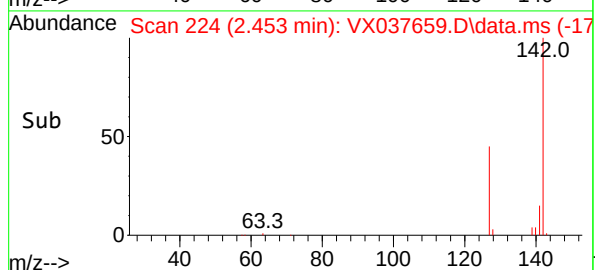
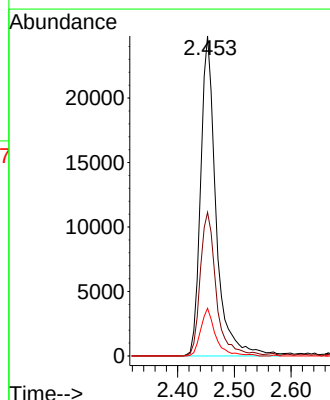
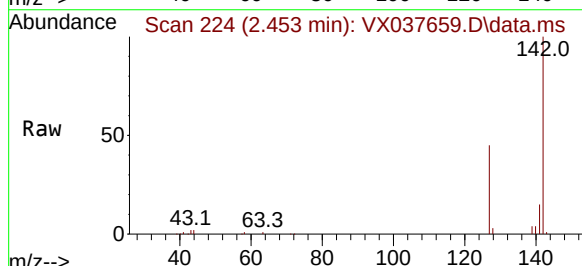
Tgt Ion:142 Resp: 46970

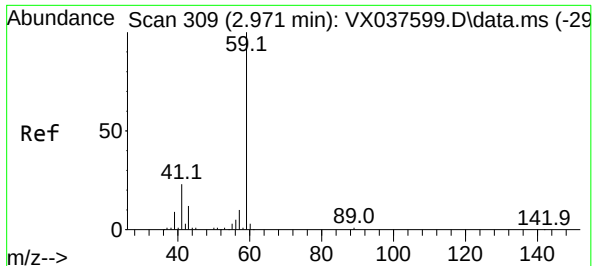
Ion Ratio Lower Upper

142 100

127 46.6 41.6 62.4

141 14.4 11.6 17.4





#11

Tert butyl alcohol

Concen: 79.265 ug/l

RT: 2.959 min Scan# 309

Delta R.T. -0.012 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion: 59 Resp: 6033

Ion Ratio Lower Upper

59 100

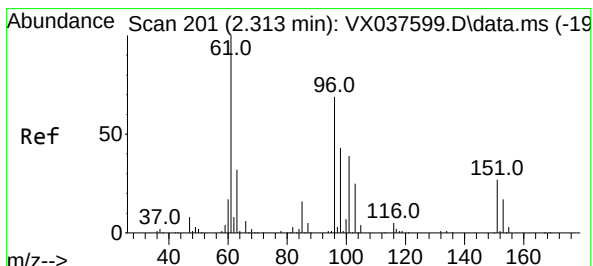
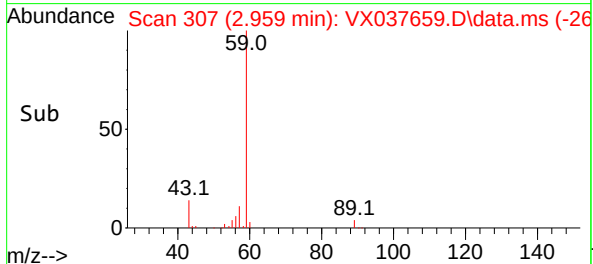
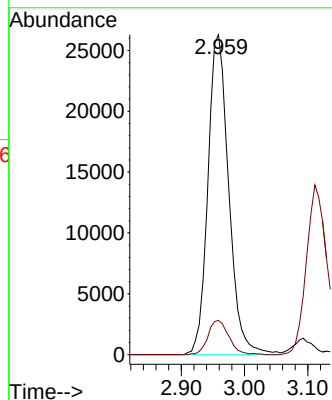
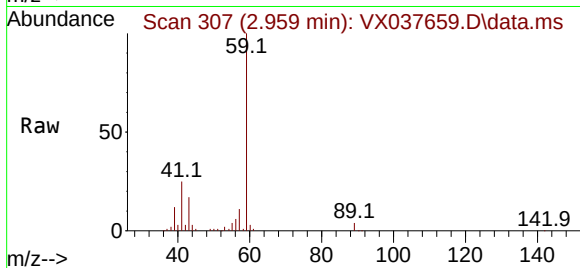
57 10.7 6.0 9.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#12

1,1-Dichloroethene

Concen: 18.085 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

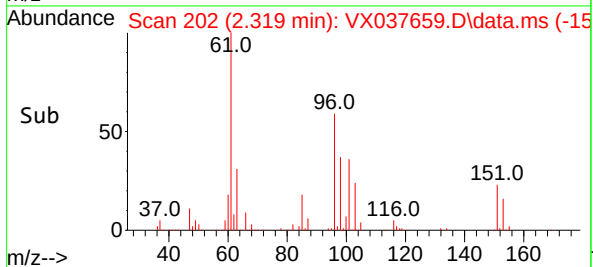
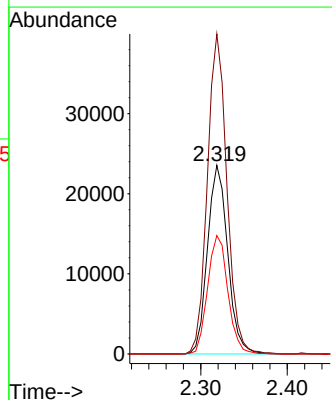
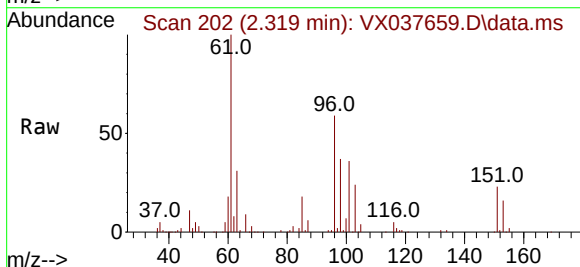
Tgt Ion: 96 Resp: 38230

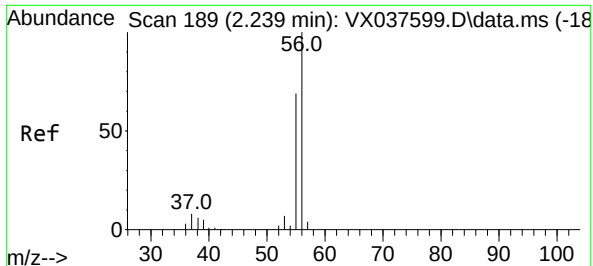
Ion Ratio Lower Upper

96 100

61 169.7 144.6 216.8

98 62.8 50.4 75.6





#13

Acrolein

Concen: 89.951 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion: 56 Resp: 4942

Ion Ratio Lower Upper

56 100

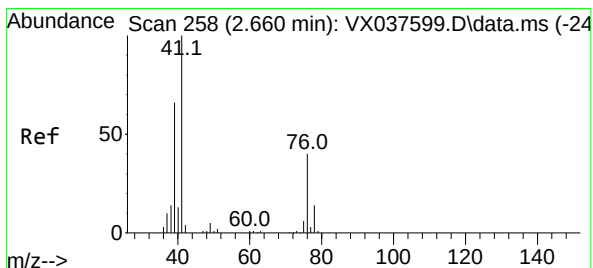
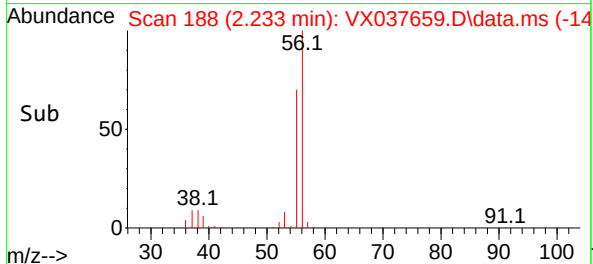
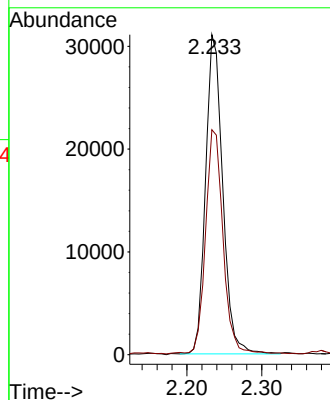
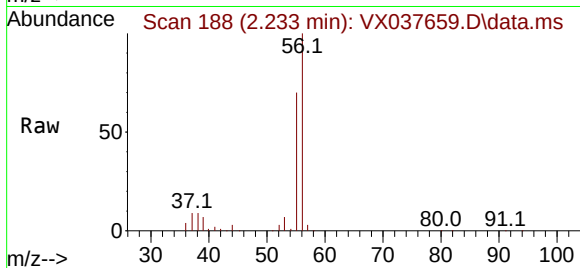
55 72.6 57.1 85.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#14

Allyl chloride

Concen: 17.926 ug/l

RT: 2.666 min Scan# 259

Delta R.T. 0.006 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

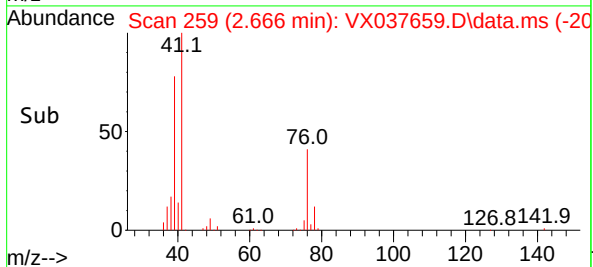
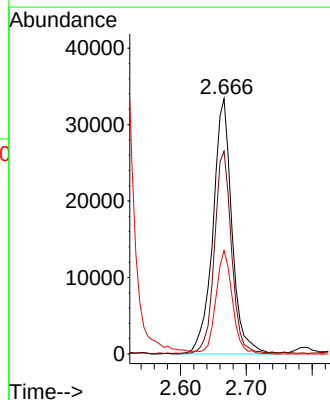
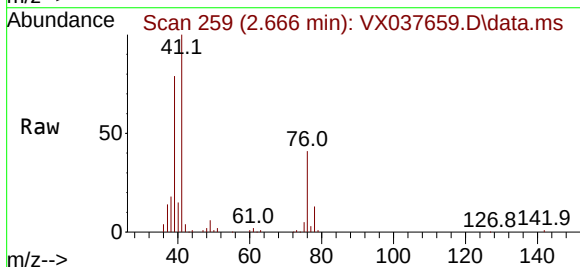
Tgt Ion: 41 Resp: 67429

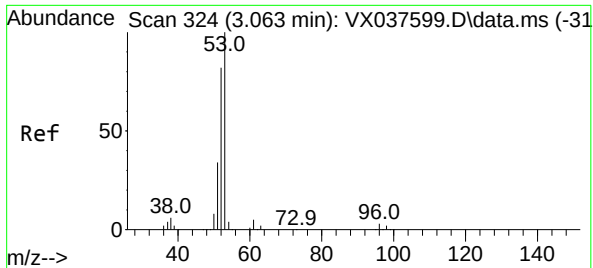
Ion Ratio Lower Upper

41 100

39 70.9 55.8 83.6

76 34.8 24.3 36.5





#15

Acrylonitrile

Concen: 82.992 ug/l

RT: 3.062 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

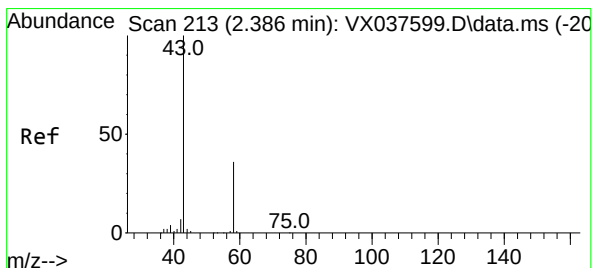
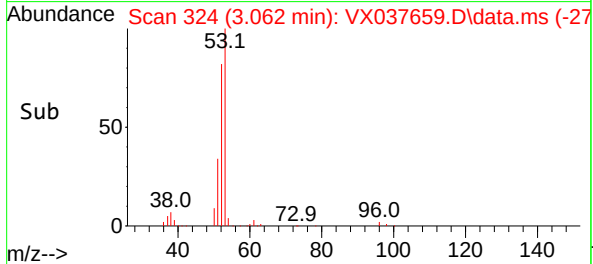
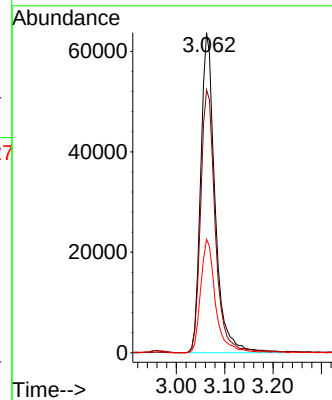
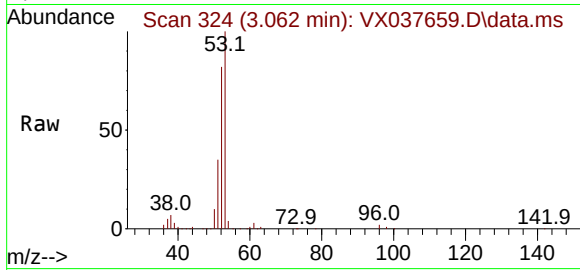
Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion: 53	Resp: 131254
Ion Ratio	Lower Upper
53 100	
52 84.3	66.0 99.0
51 36.4	29.8 44.6

Manual Integrations
APPROVEDReviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023

#16

Acetone

Concen: 87.968 ug/l

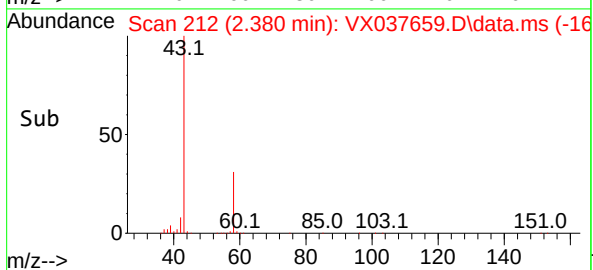
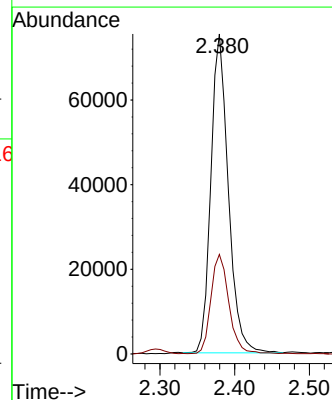
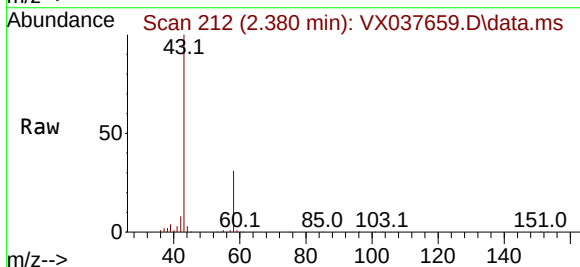
RT: 2.380 min Scan# 212

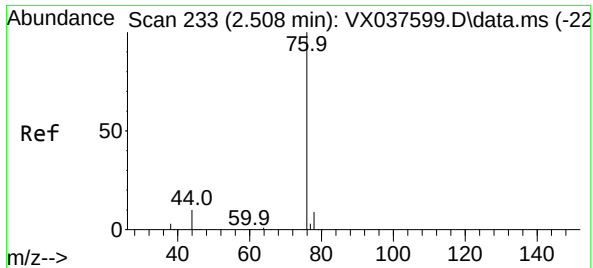
Delta R.T. -0.006 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Tgt Ion: 43	Resp: 122289
Ion Ratio	Lower Upper
43 100	
58 31.0	21.9 32.9





#17

Carbon Disulfide

Concen: 16.968 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion: 76 Resp: 9246

Ion Ratio Lower Upper

76 100

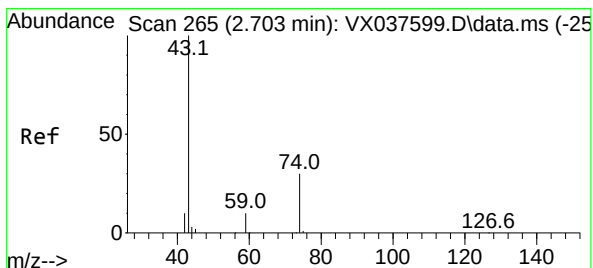
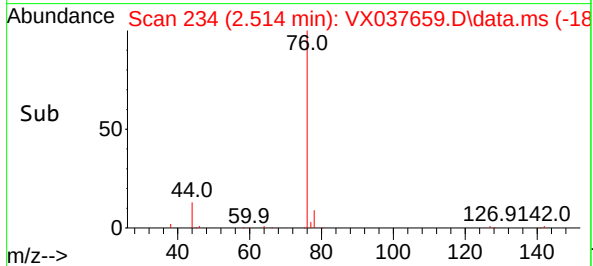
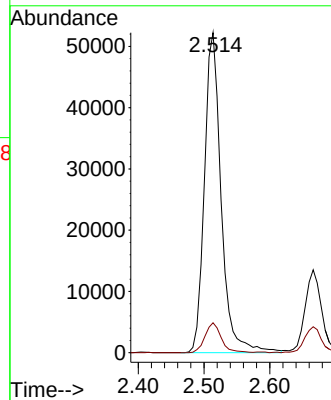
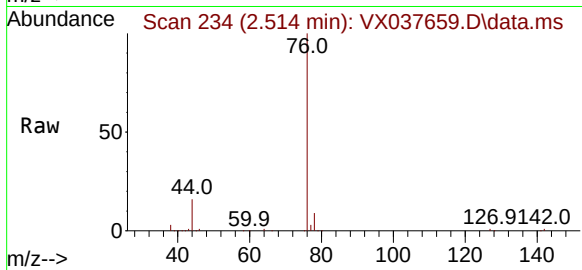
78 9.4 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#18

Methyl Acetate

Concen: 16.500 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX037659.D

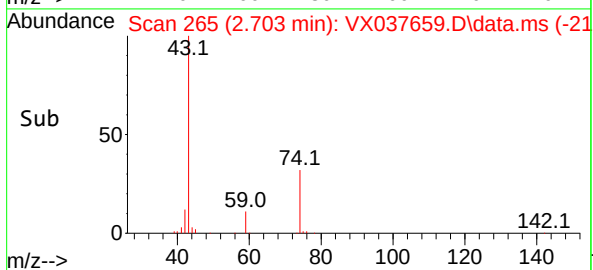
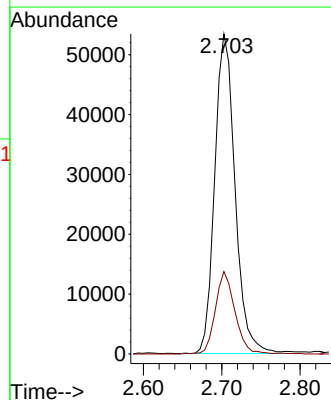
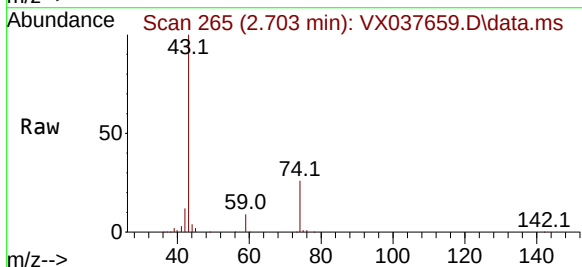
Acq: 12 Sep 2023 11:18

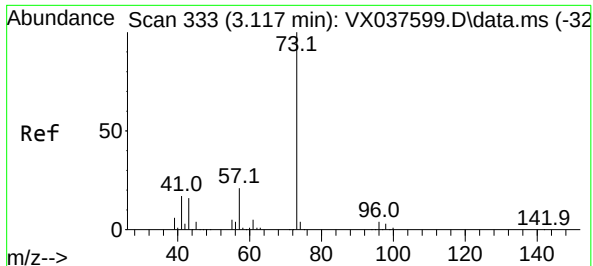
Tgt Ion: 43 Resp: 96137

Ion Ratio Lower Upper

43 100

74 24.8 17.8 26.8





#19

Methyl tert-butyl Ether

Concen: 17.357 ug/l

RT: 3.117 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion: 73 Resp: 148120

Ion Ratio Lower Upper

73 100

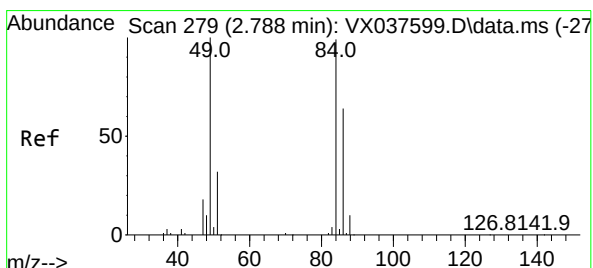
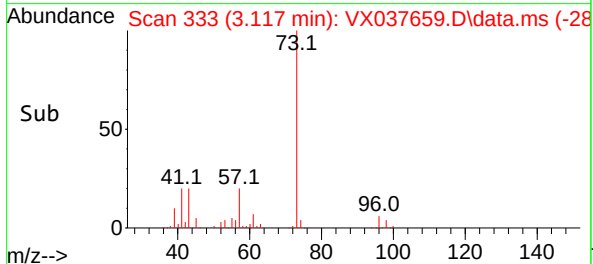
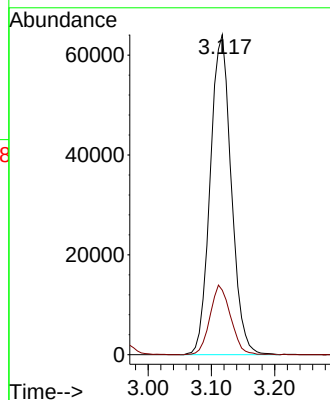
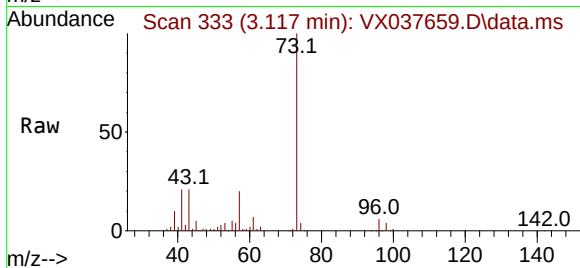
57 20.1 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#20

Methylene Chloride

Concen: 18.299 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Tgt Ion: 84 Resp: 50310

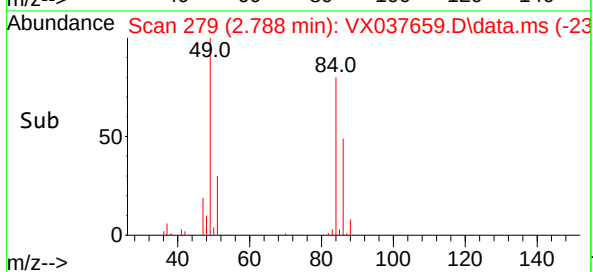
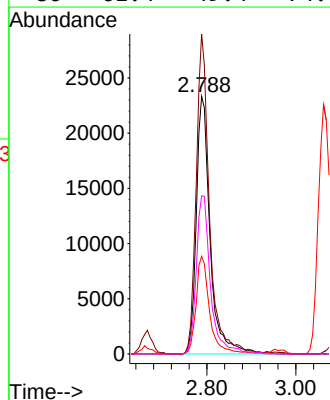
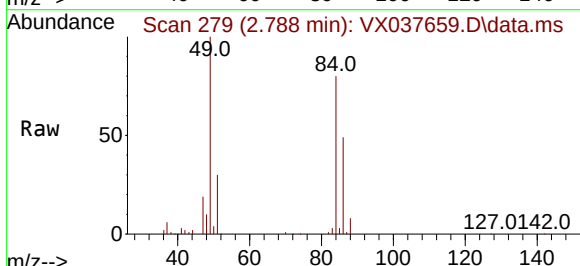
Ion Ratio Lower Upper

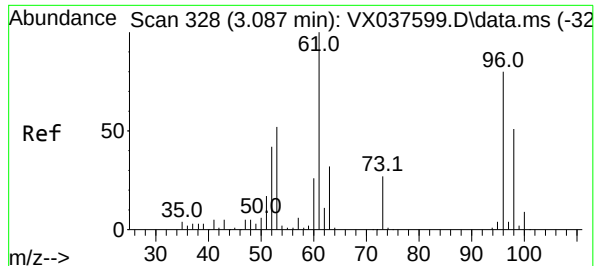
84 100

49 124.2 103.6 155.4

51 37.9 33.8 50.6

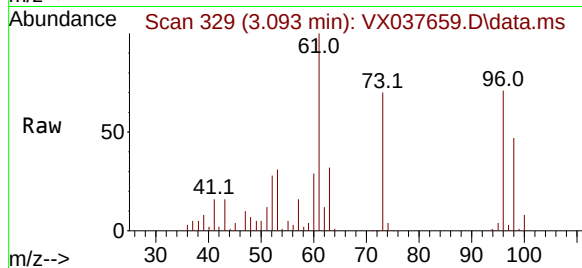
86 61.4 49.4 74.0





#21
trans-1,2-Dichloroethene
Concen: 17.648 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX037659.D
Acq: 12 Sep 2023 11:18

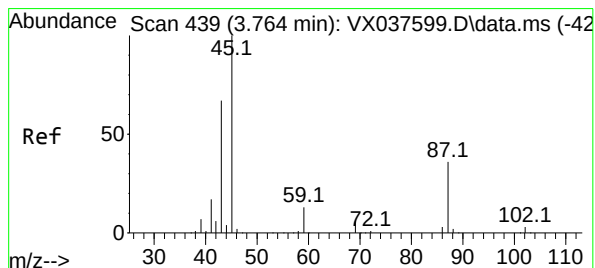
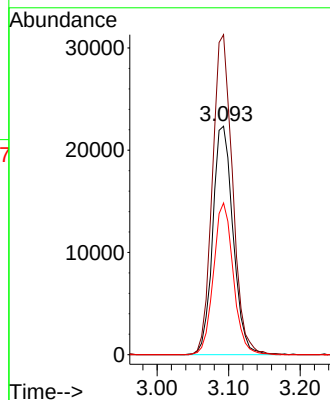
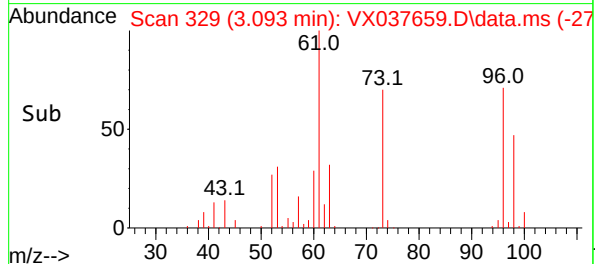
Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01



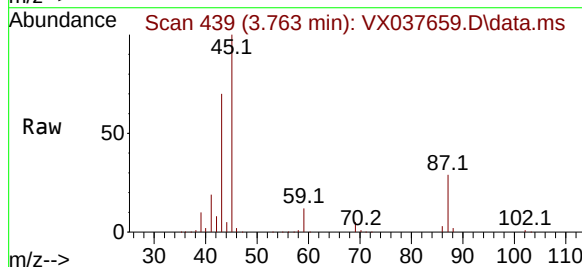
Tgt Ion: 96 Resp: 44238
Ion Ratio Lower Upper
96 100
61 140.1 119.2 178.8
98 66.4 48.7 73.1

Manual Integrations
APPROVED

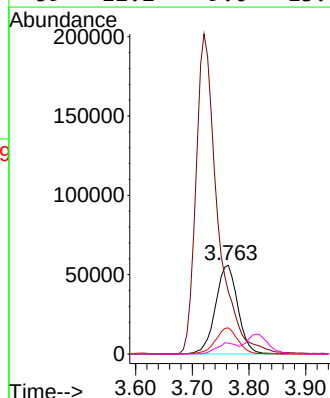
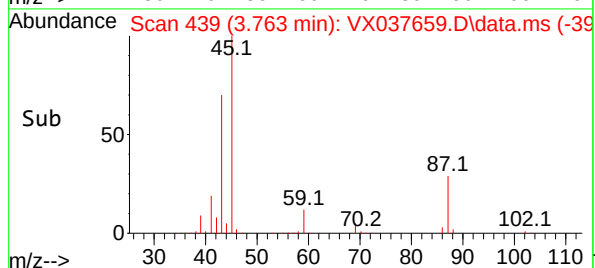
Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023

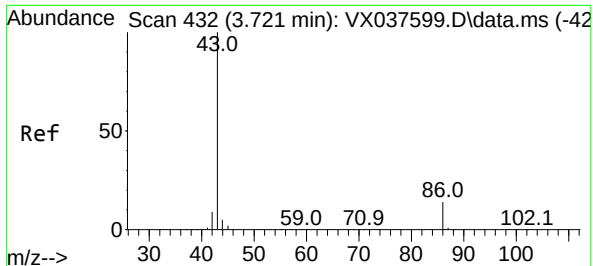


#22
Diisopropyl ether
Concen: 18.611 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX037659.D
Acq: 12 Sep 2023 11:18



Tgt Ion: 45 Resp: 152800
Ion Ratio Lower Upper
45 100
43 69.1 69.7 104.5#
87 29.4 20.8 31.2
59 12.2 9.0 13.4





#23

Vinyl Acetate

Concen: 89.139 ug/l

RT: 3.721 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion: 43 Resp: 53695

Ion Ratio Lower Upper

43 100

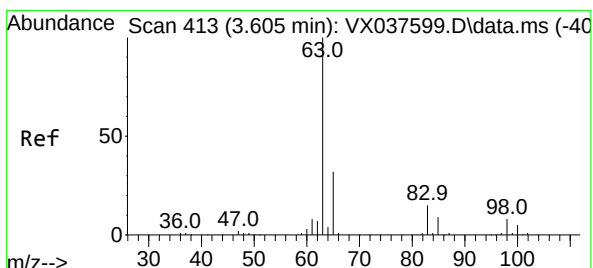
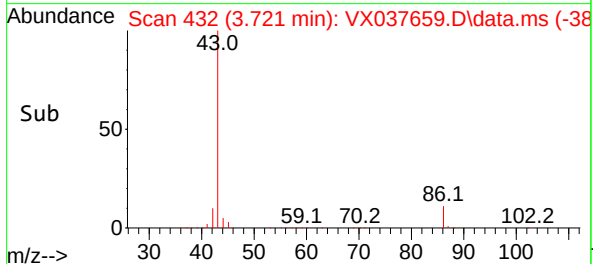
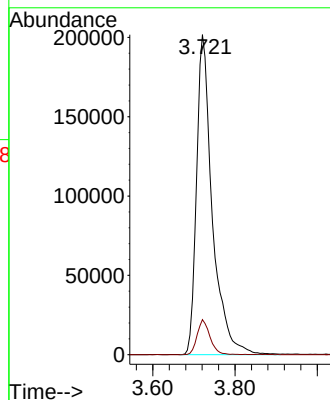
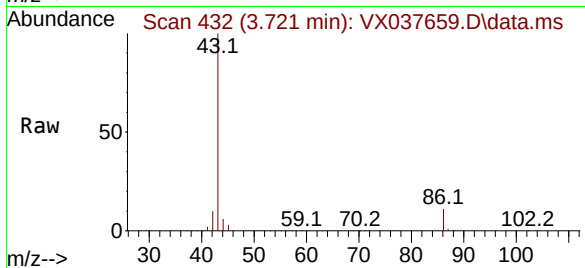
86 10.9 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#24

1,1-Dichloroethane

Concen: 18.063 ug/l

RT: 3.611 min Scan# 414

Delta R.T. 0.006 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

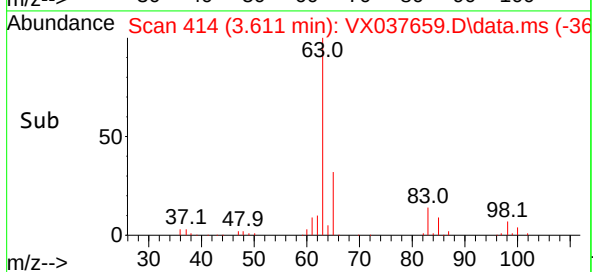
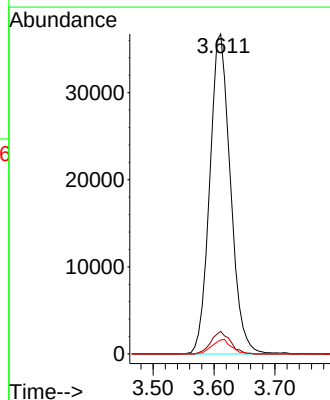
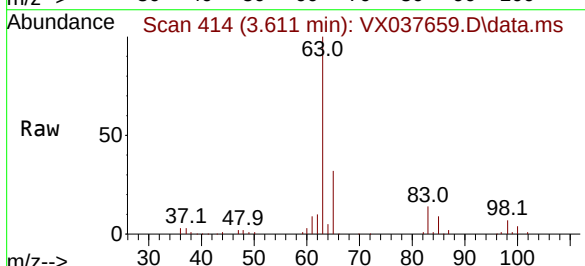
Tgt Ion: 63 Resp: 86763

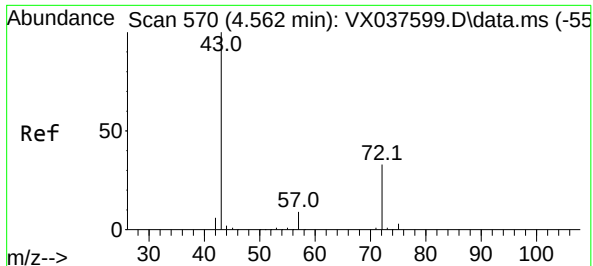
Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

100 4.4 2.1 6.5





#25

2-Butanone

Concen: 83.051 ug/l

RT: 4.556 min Scan# 50

Delta R.T. -0.006 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion: 43 Resp: 18537

Ion Ratio Lower Upper

43 100

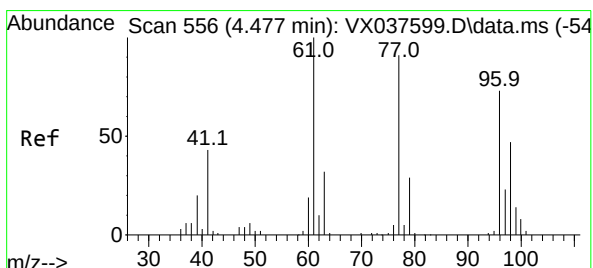
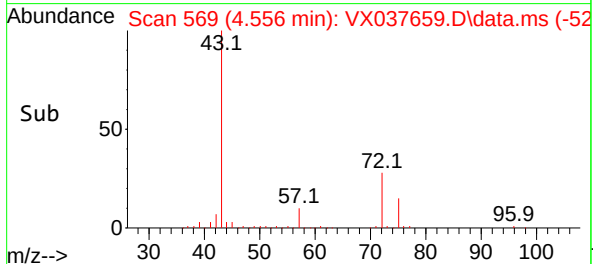
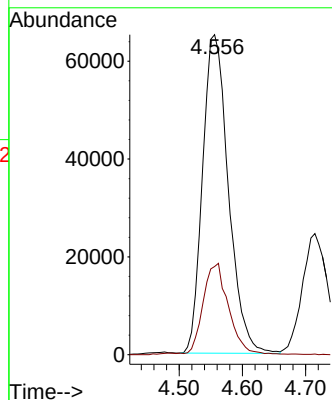
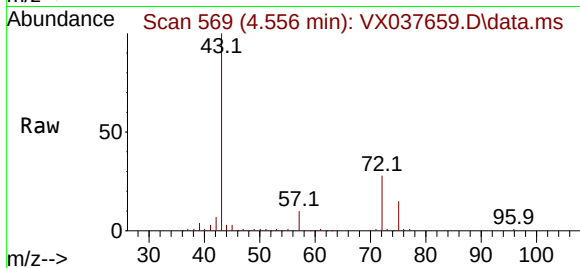
72 27.5 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#26

2,2-Dichloropropane

Concen: 20.271 ug/l

RT: 4.471 min Scan# 555

Delta R.T. -0.006 min

Lab File: VX037659.D

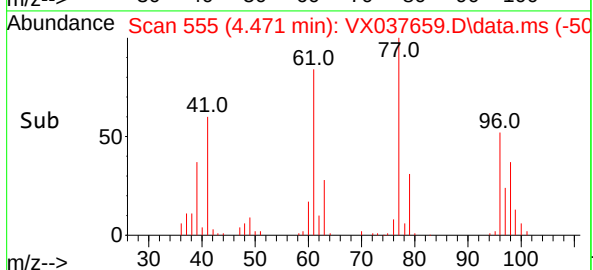
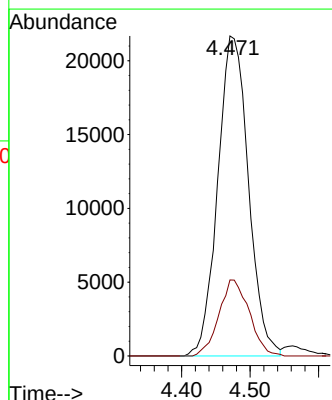
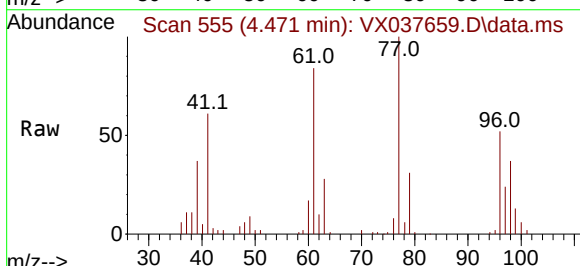
Acq: 12 Sep 2023 11:18

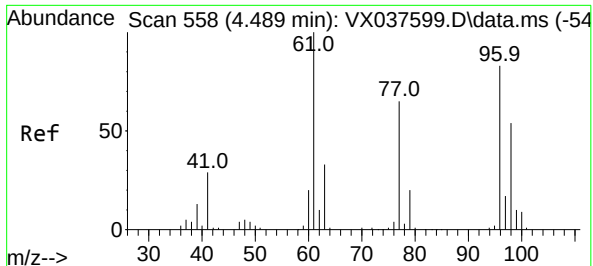
Tgt Ion: 77 Resp: 67418

Ion Ratio Lower Upper

77 100

97 23.5 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 17.716 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion: 96 Resp: 5310

Ion Ratio Lower Upper

96 100

61 148.5 0.0 312.2

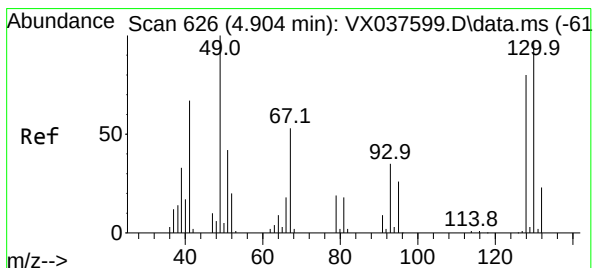
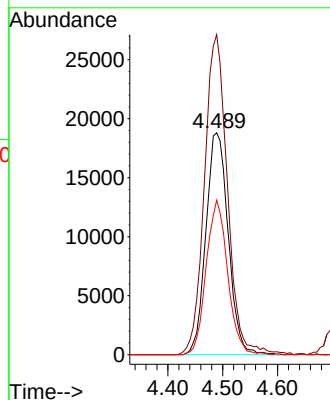
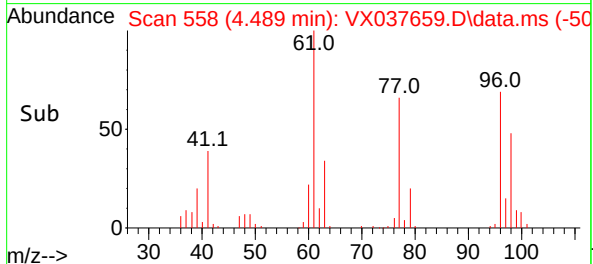
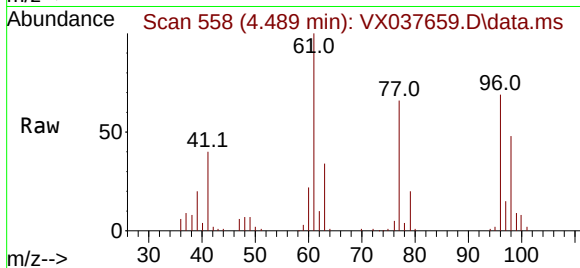
98 67.0 0.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#28

Bromochloromethane

Concen: 18.169 ug/l

RT: 4.897 min Scan# 625

Delta R.T. -0.006 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

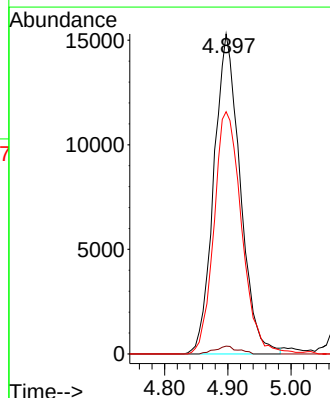
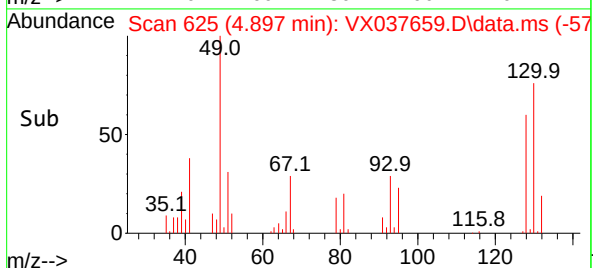
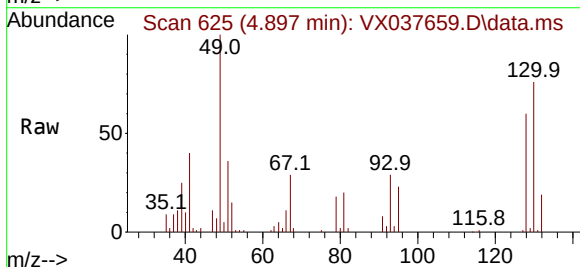
Tgt Ion: 49 Resp: 44252

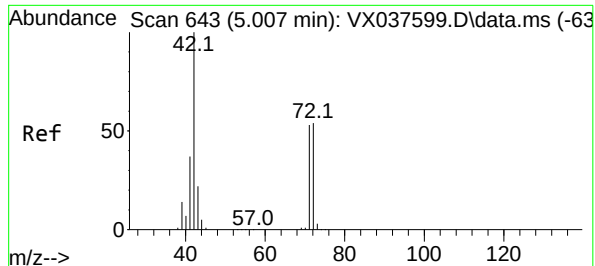
Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

130 79.5 57.5 86.3





#29

Tetrahydrofuran

Concen: 82.350 ug/l

RT: 5.007 min Scan# 643

Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion: 42 Resp: 118558

Ion Ratio Lower Upper

42 100

72 48.6 34.2 51.4

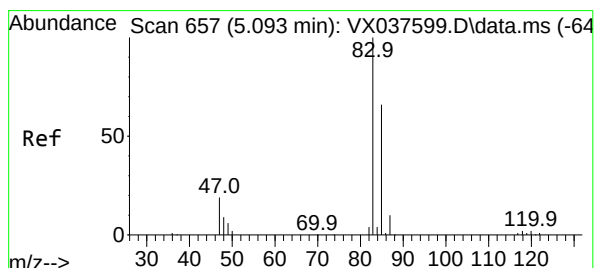
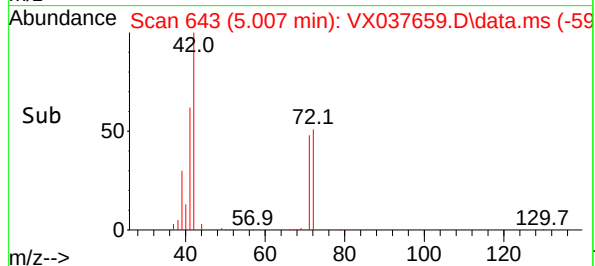
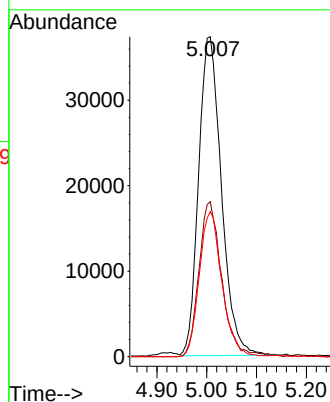
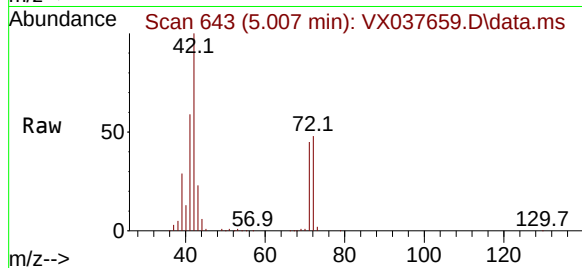
71 45.1 32.2 48.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#30

Chloroform

Concen: 18.044 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.006 min

Lab File: VX037659.D

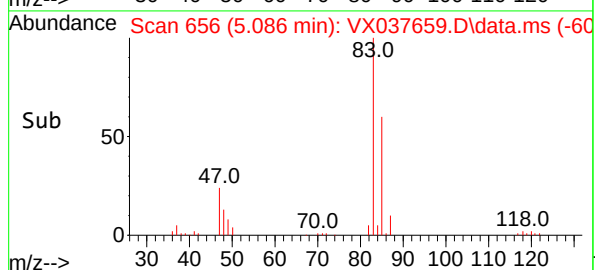
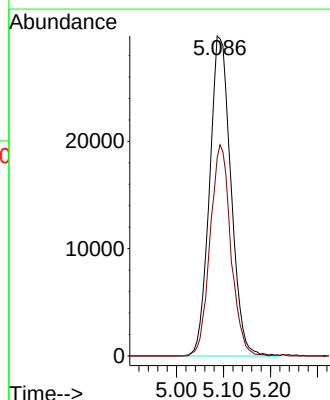
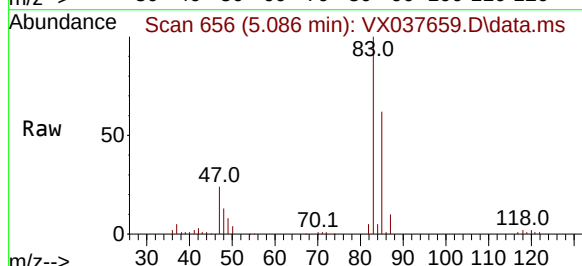
Acq: 12 Sep 2023 11:18

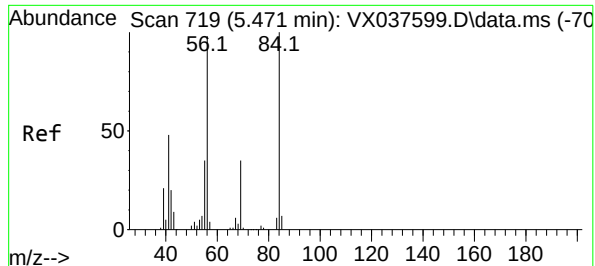
Tgt Ion: 83 Resp: 93972

Ion Ratio Lower Upper

83 100

85 61.9 50.3 75.5





#31

Cyclohexane

Concen: 18.977 ug/l

RT: 5.470 min Scan# 719

Delta R.T. -0.000 min

Lab File: VX037659.D

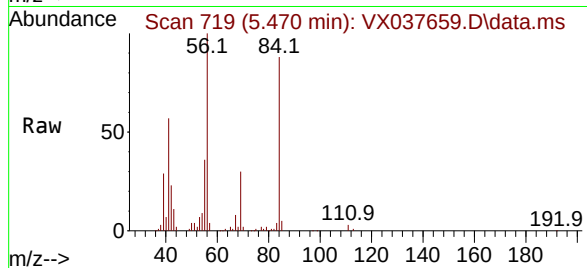
Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01



Tgt Ion: 56 Resp: 7348

Ion Ratio Lower Upper

56 100

69 30.4 23.4 35.2

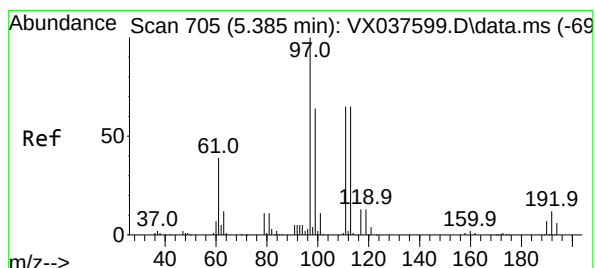
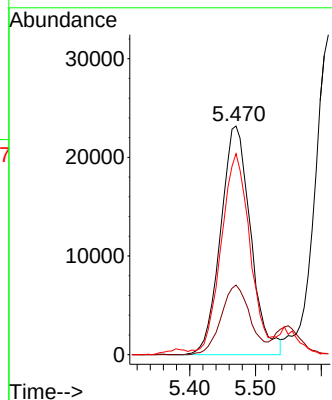
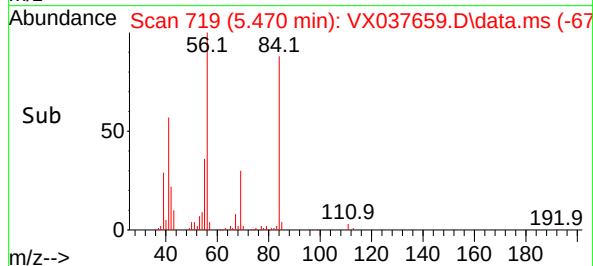
84 85.7 65.9 98.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#32

1,1,1-Trichloroethane

Concen: 18.296 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

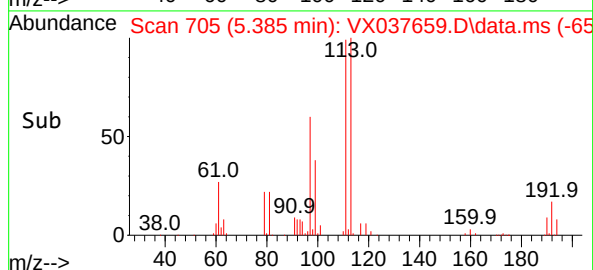
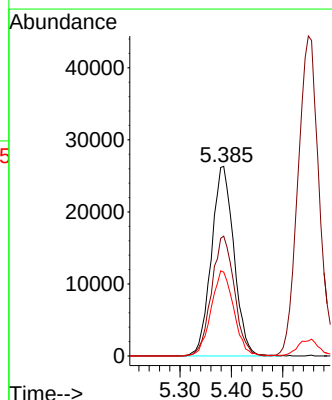
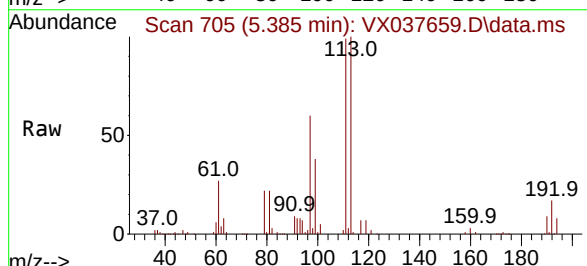
Tgt Ion: 97 Resp: 80031

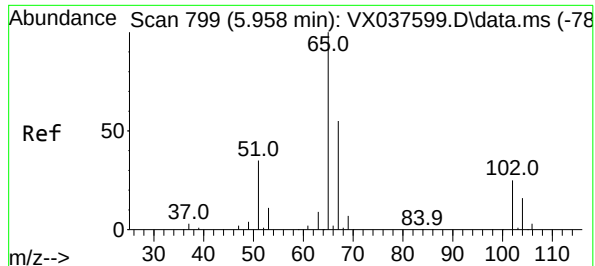
Ion Ratio Lower Upper

97 100

99 63.9 51.1 76.7

61 45.1 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 45.855 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion: 65 Resp: 15420

Ion Ratio Lower Upper

65 100

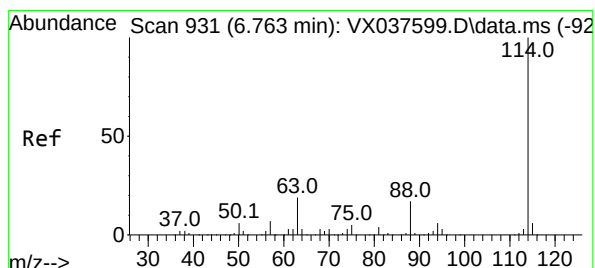
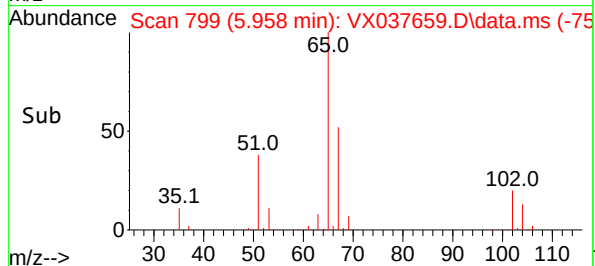
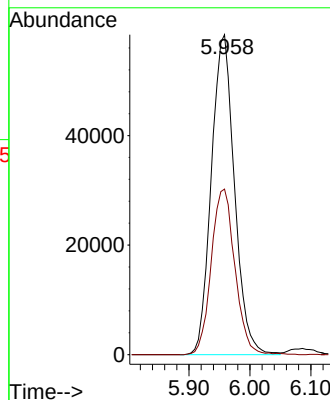
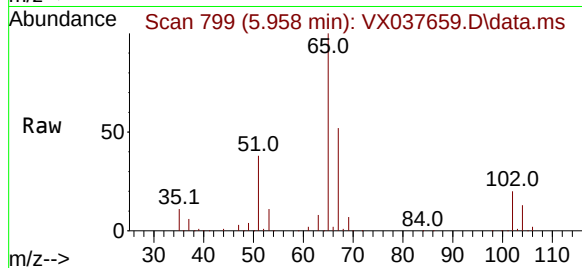
67 53.0 0.0 100.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

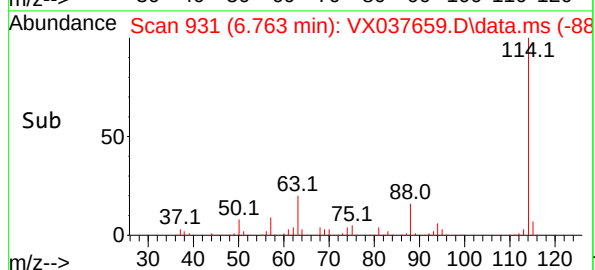
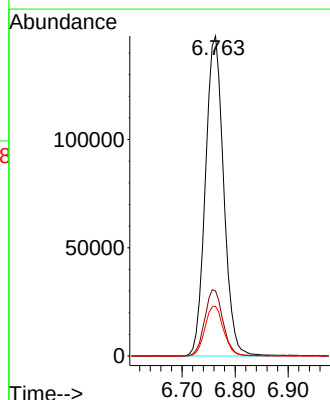
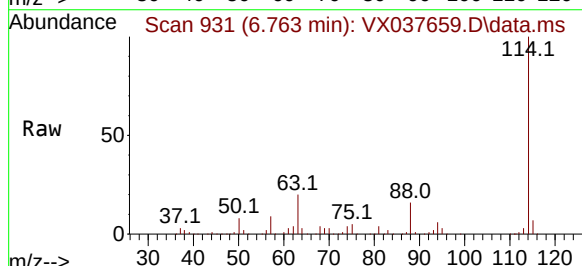
Tgt Ion:114 Resp: 353263

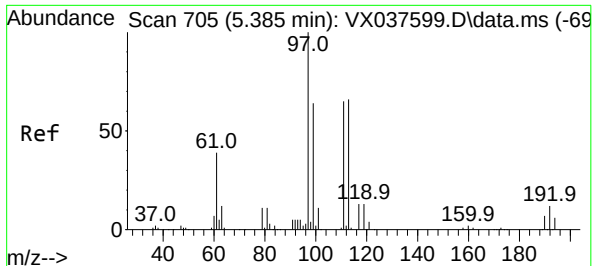
Ion Ratio Lower Upper

114 100

63 20.3 0.0 45.0

88 15.5 0.0 36.6





#35

Dibromofluoromethane

Concen: 50.203 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion:113 Resp: 125700

Ion Ratio Lower Upper

113 100

111 101.3 82.9 124.3

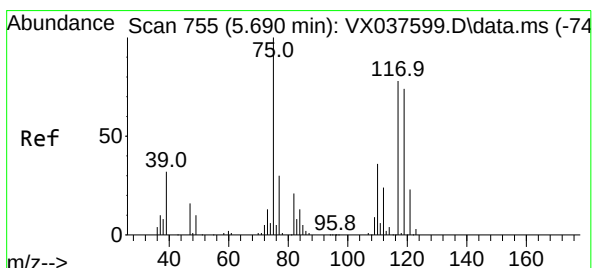
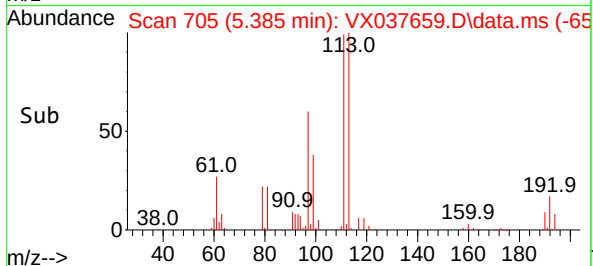
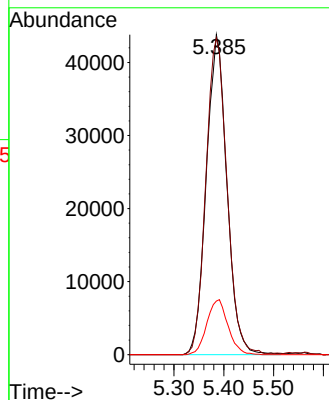
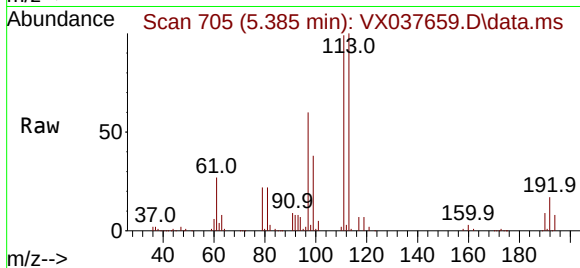
192 17.7 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#36

1,1-Dichloropropene

Concen: 18.705 ug/l

RT: 5.690 min Scan# 755

Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

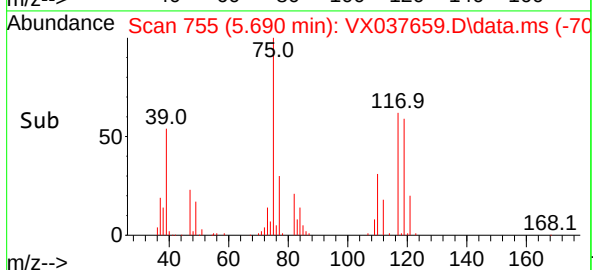
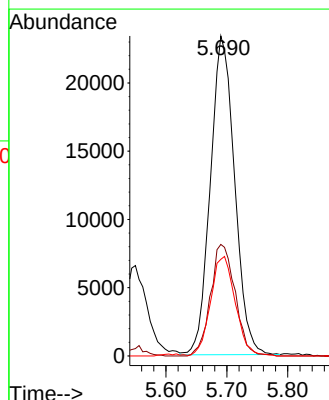
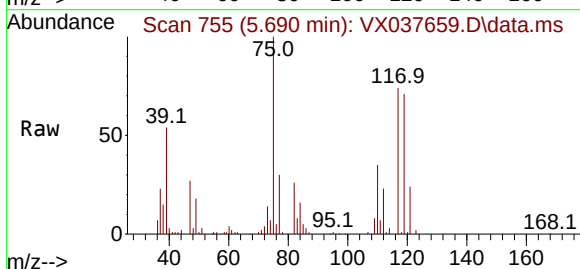
Tgt Ion: 75 Resp: 64590

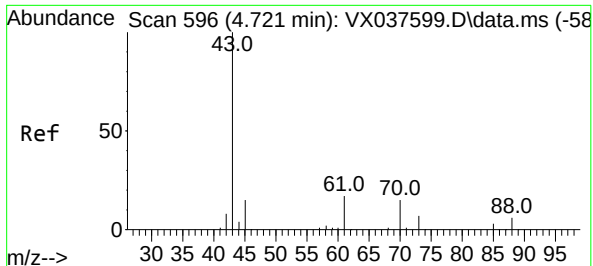
Ion Ratio Lower Upper

75 100

110 35.6 17.0 50.9

77 31.8 24.7 37.1





#37

Ethyl Acetate

Concen: 18.030 ug/l

RT: 4.714 min Scan# 596

Delta R.T. -0.006 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

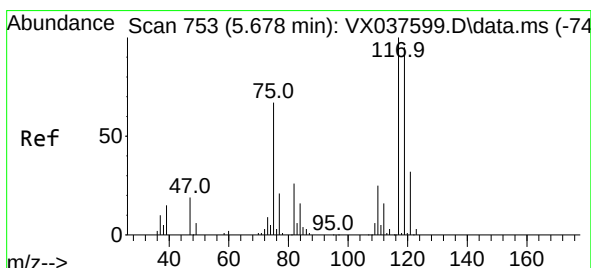
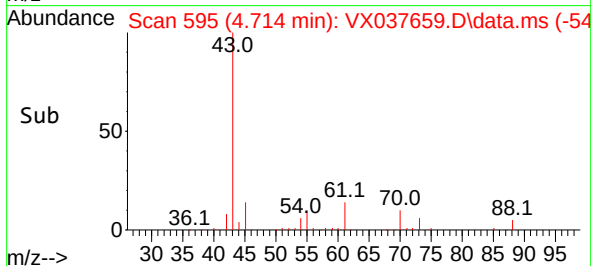
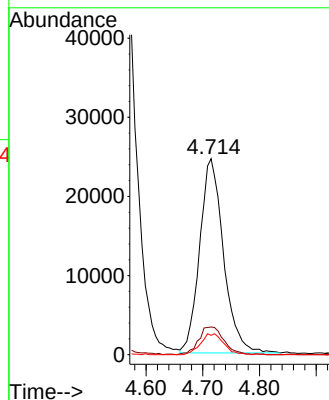
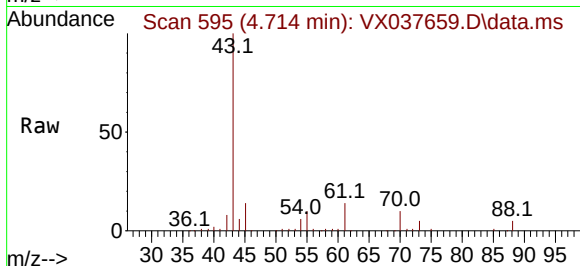
Instrument :

MSVOA_X

Client SampleId :

VX0912WBS01

Tgt Ion: 43	Resp: 7180
Ion Ratio	Lower Upper
43 100	
61 15.0	10.6 16.0
70 10.5	8.3 12.5

Manual Integrations
APPROVEDReviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023

#38

Carbon Tetrachloride

Concen: 19.076 ug/l

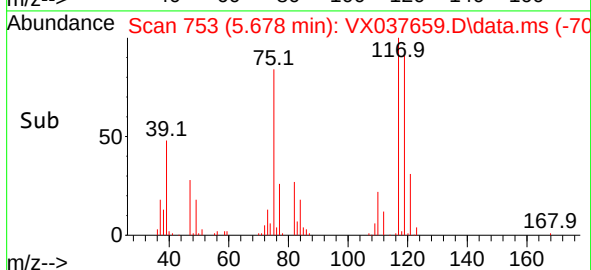
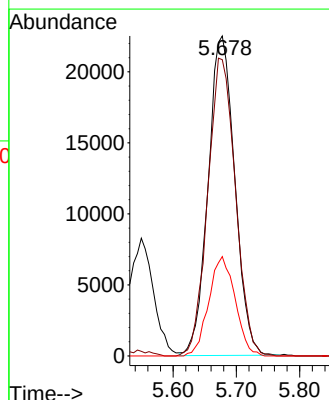
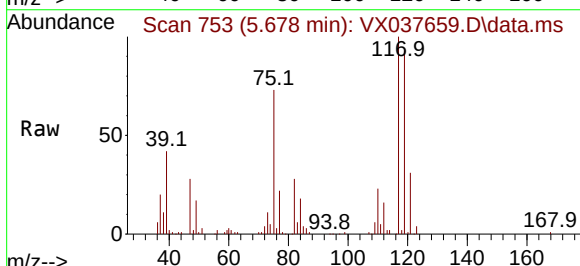
RT: 5.678 min Scan# 753

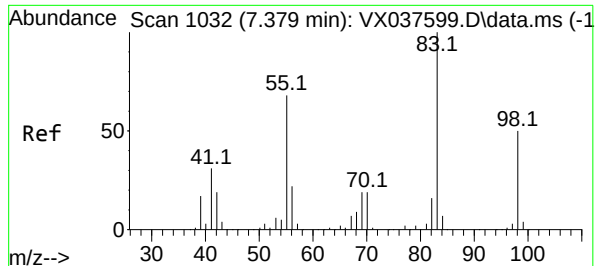
Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Tgt Ion: 117	Resp: 65788
Ion Ratio	Lower Upper
117 100	
119 92.9	78.2 117.2
121 31.1	24.4 36.6





#39

Methylcyclohexane

Concen: 19.973 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion: 83 Resp: 81120

Ion Ratio Lower Upper

83 100

55 75.2 64.6 97.0

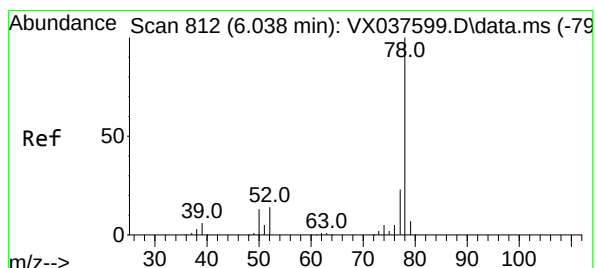
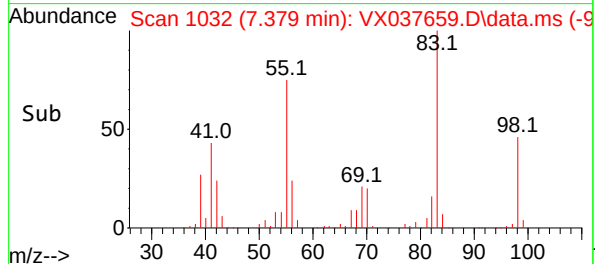
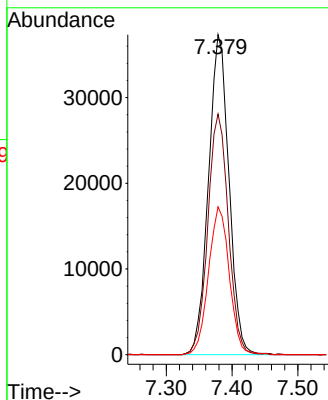
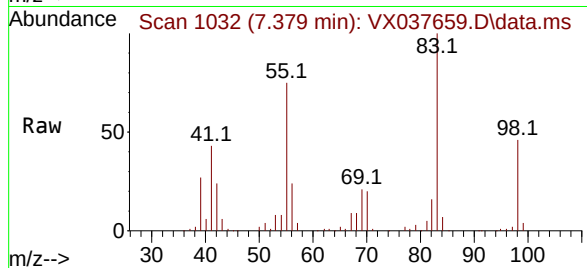
98 46.2 36.7 55.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#40

Benzene

Concen: 19.121 ug/l

RT: 6.037 min Scan# 812

Delta R.T. -0.000 min

Lab File: VX037659.D

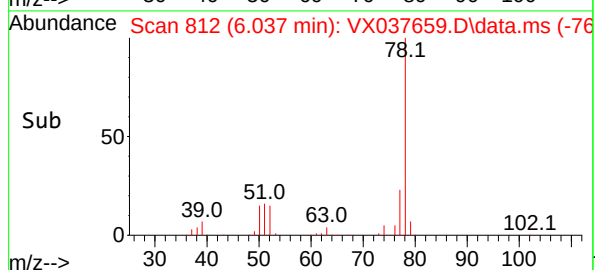
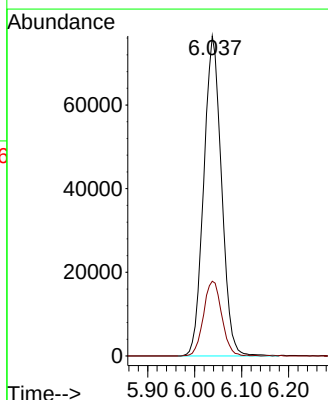
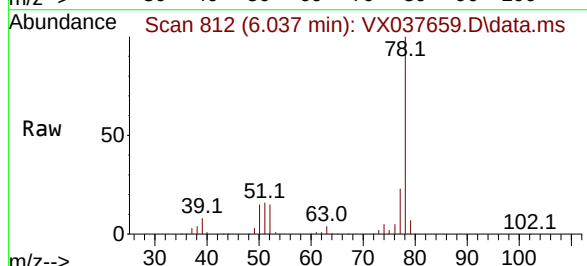
Acq: 12 Sep 2023 11:18

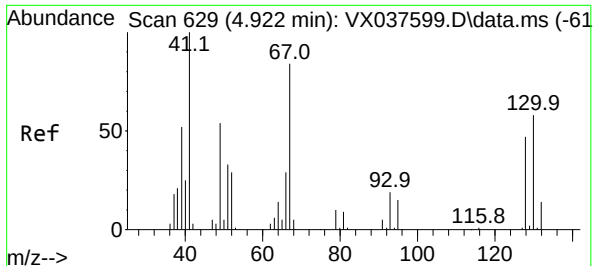
Tgt Ion: 78 Resp: 200765

Ion Ratio Lower Upper

78 100

77 23.3 19.3 28.9





#41

Methacrylonitrile

Concen: 17.151 ug/l

RT: 4.916 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion: 41 Resp: 3628

Ion Ratio Lower Upper

41 100

39 59.2 45.2 67.8

67 81.8 52.6 78.8

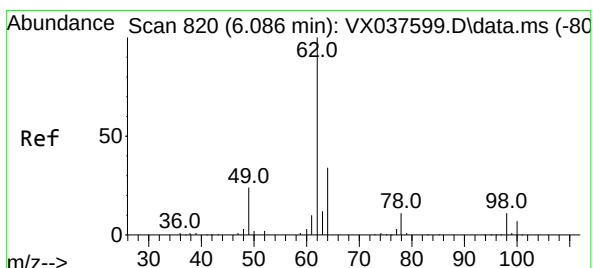
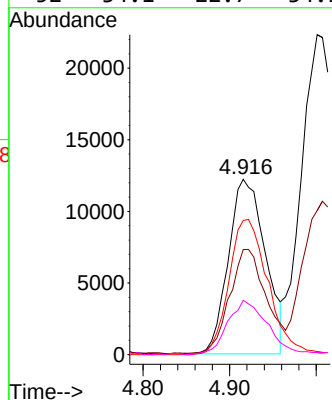
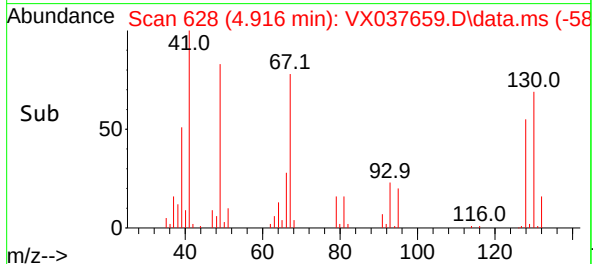
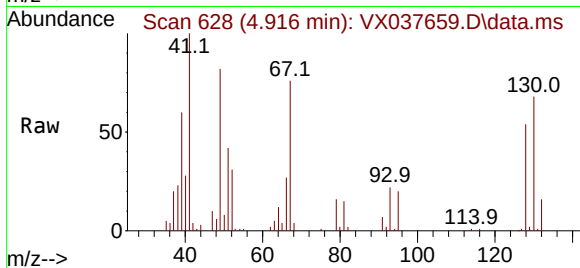
52 34.1 22.7 34.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#42

1,2-Dichloroethane

Concen: 18.218 ug/l

RT: 6.092 min Scan# 821

Delta R.T. 0.006 min

Lab File: VX037659.D

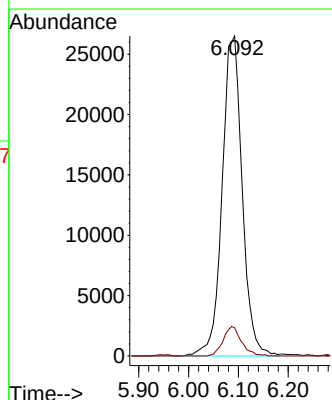
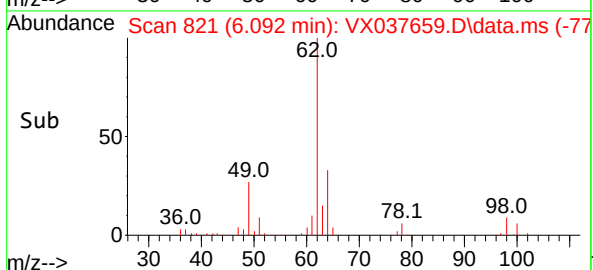
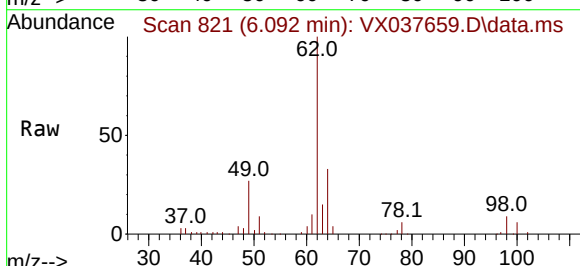
Acq: 12 Sep 2023 11:18

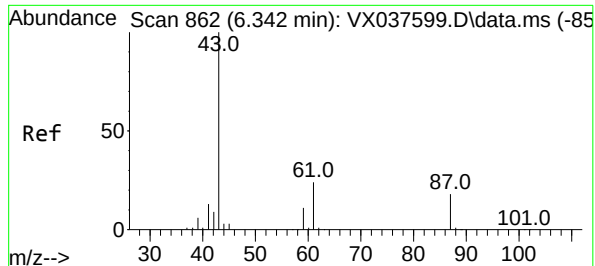
Tgt Ion: 62 Resp: 74120

Ion Ratio Lower Upper

62 100

98 8.4 0.0 16.0





#43

Isopropyl Acetate

Concen: 18.339 ug/l

RT: 6.342 min Scan# 80

Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion: 43 Resp: 11544

Ion Ratio Lower Upper

43 100

61 19.2 15.2 22.8

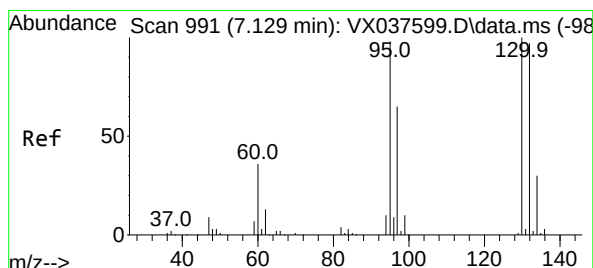
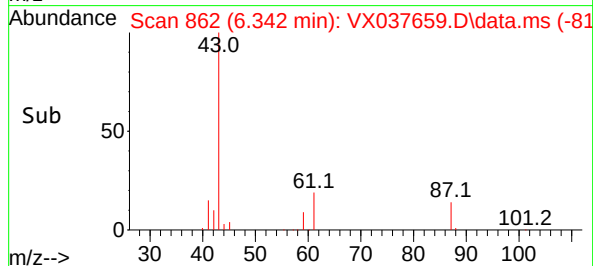
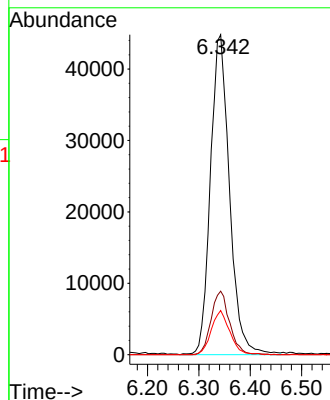
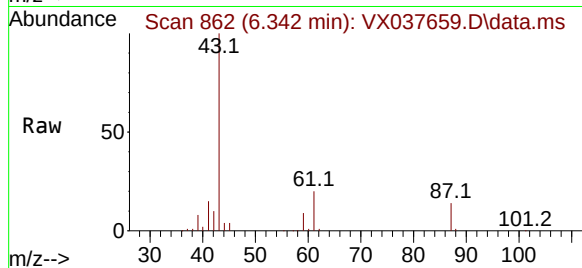
87 13.4 9.8 14.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#44

Trichloroethene

Concen: 19.349 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.006 min

Lab File: VX037659.D

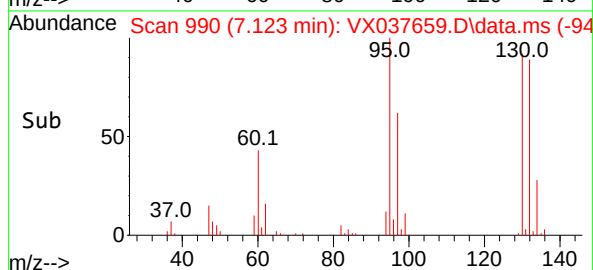
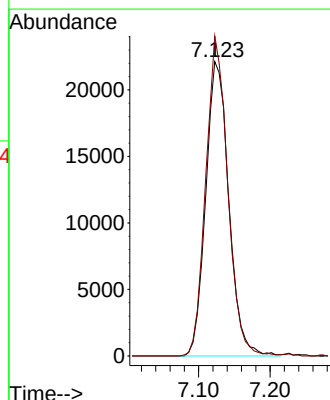
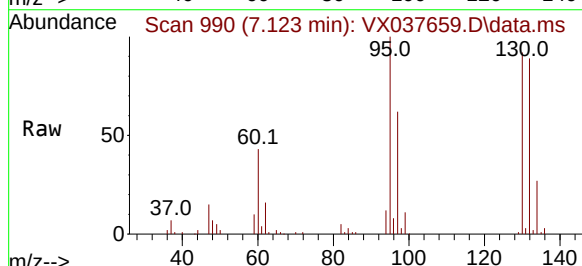
Acq: 12 Sep 2023 11:18

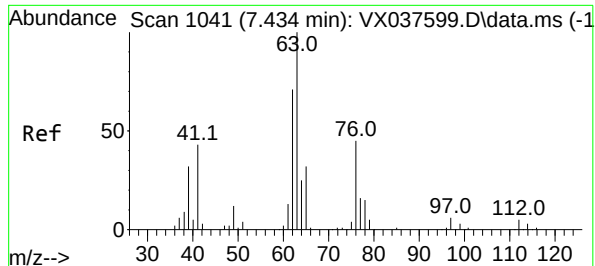
Tgt Ion:130 Resp: 49582

Ion Ratio Lower Upper

130 100

95 108.7 0.0 204.4





#45

1,2-Dichloropropane

Concen: 19.179 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion: 63 Resp: 5283

Ion Ratio Lower Upper

63 100

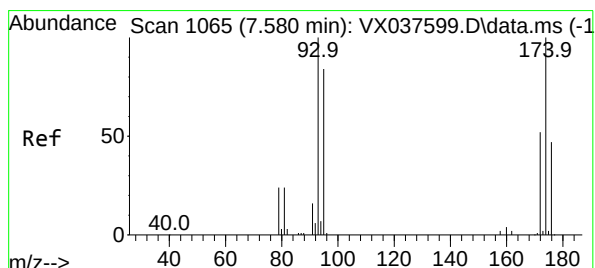
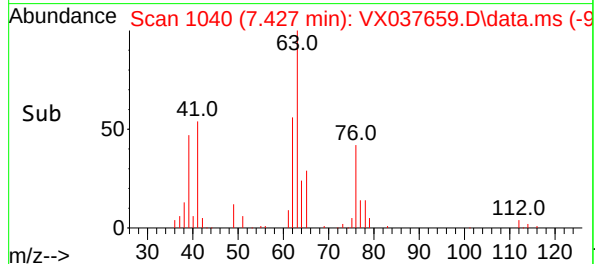
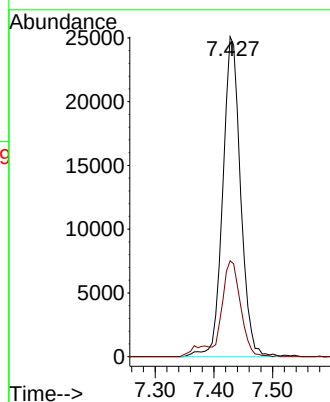
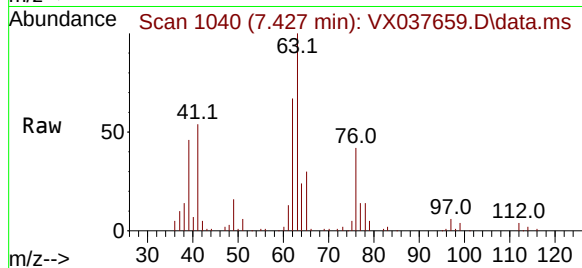
65 30.0 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#46

Dibromomethane

Concen: 18.174 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

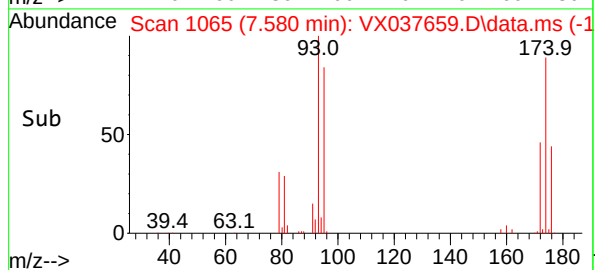
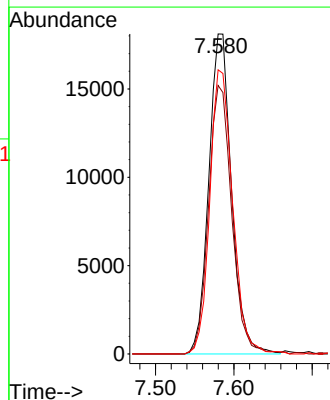
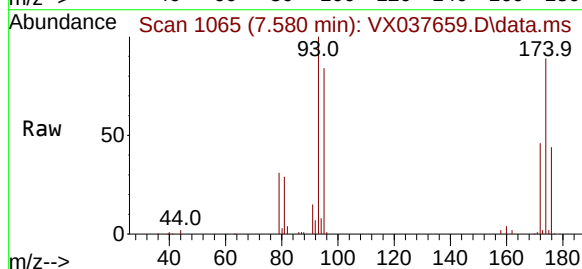
Tgt Ion: 93 Resp: 36530

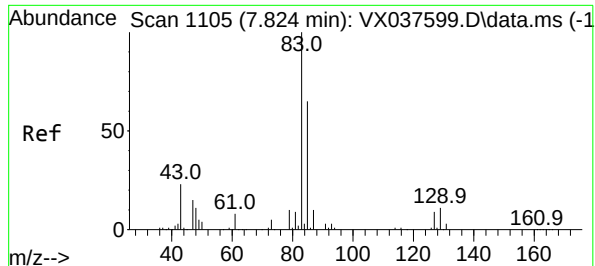
Ion Ratio Lower Upper

93 100

95 85.8 66.6 100.0

174 89.4 69.4 104.0





#47

Bromodichloromethane

Concen: 18.806 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

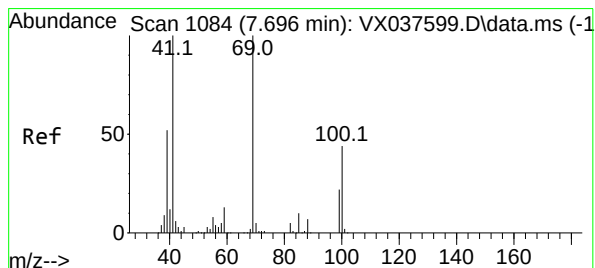
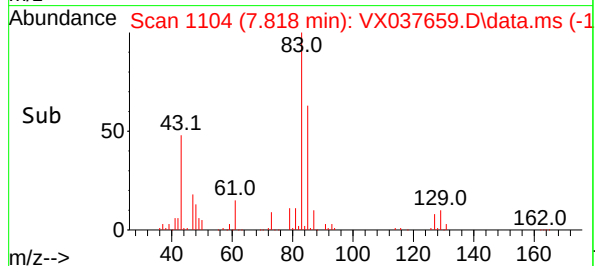
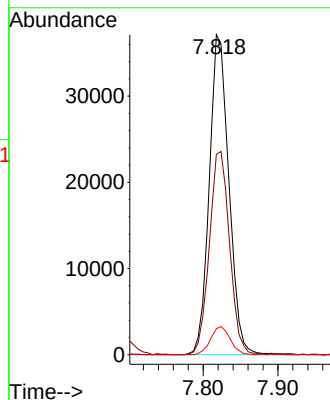
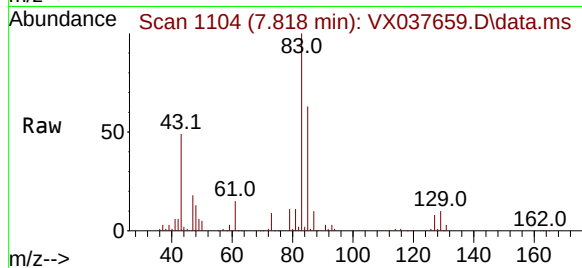
VX0912WBS01

Tgt Ion:	83	Resp:	6774
Ion	Ratio	Lower	Upper
83	100		
85	62.6	49.8	74.6
127	8.1	7.1	10.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#48

Methyl methacrylate

Concen: 17.873 ug/l

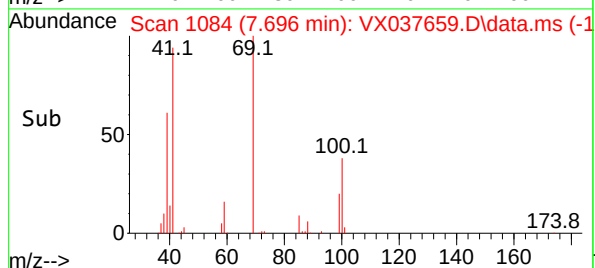
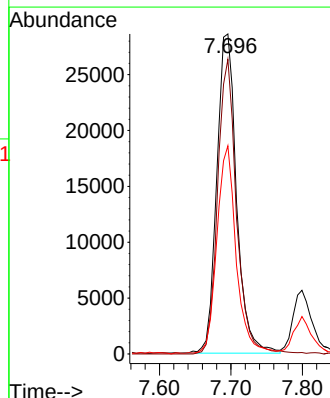
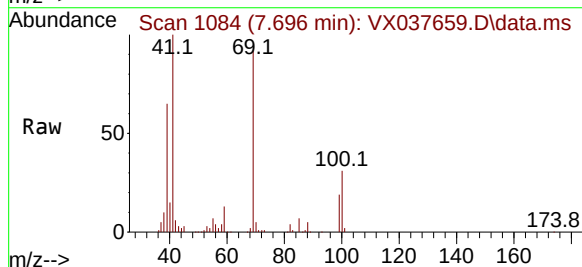
RT: 7.696 min Scan# 1084

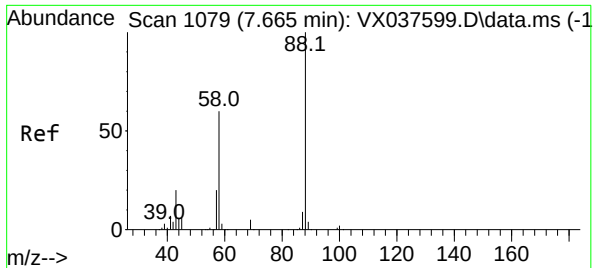
Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Tgt Ion:	41	Resp:	54950
Ion	Ratio	Lower	Upper
41	100		
69	88.4	59.2	88.8
39	64.0	47.7	71.5





#49

1,4-Dioxane

Concen: 338.893 ug/l

RT: 7.659 min Scan# 1079

Delta R.T. -0.006 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion: 88 Resp: 2595

Ion Ratio Lower Upper

88 100

43 33.1 0.0 0.0

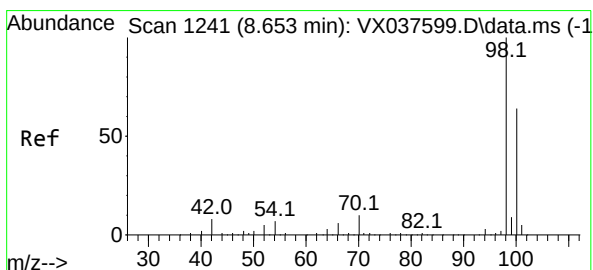
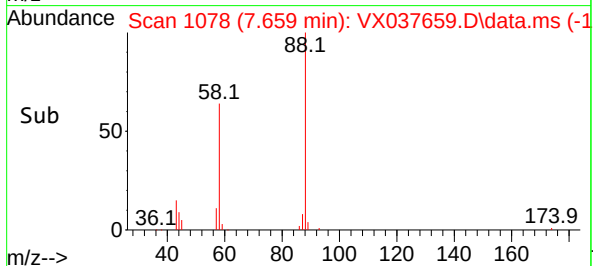
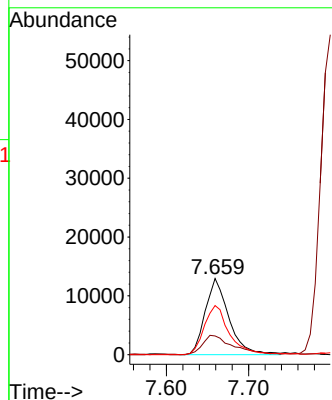
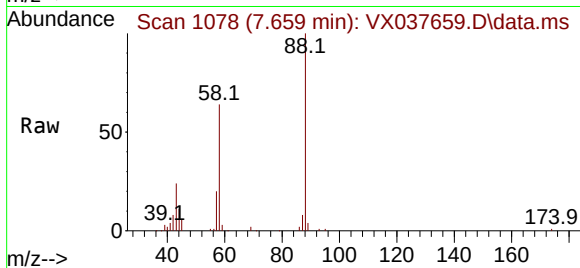
58 67.3 60.1 90.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#50

Toluene-d8

Concen: 53.721 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX037659.D

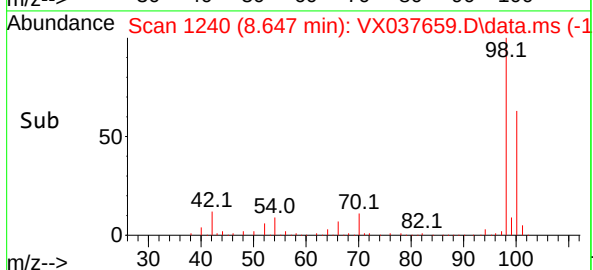
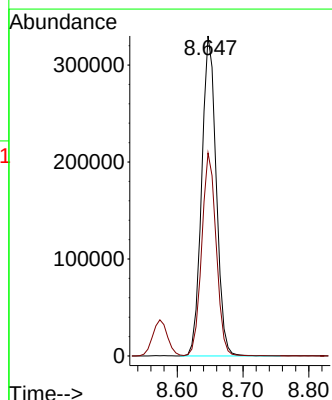
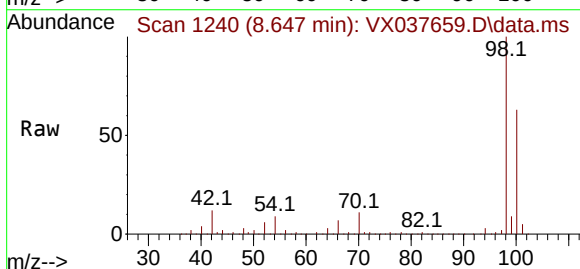
Acq: 12 Sep 2023 11:18

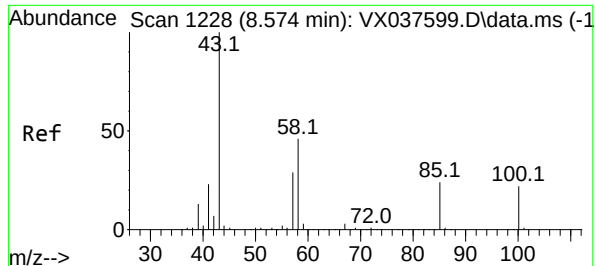
Tgt Ion: 98 Resp: 507320

Ion Ratio Lower Upper

98 100

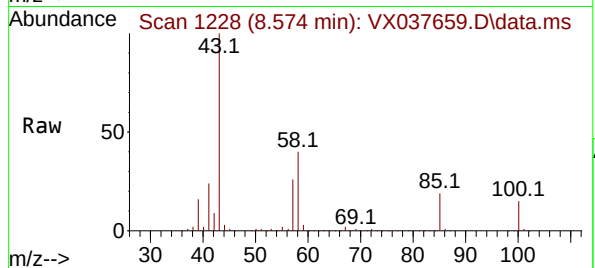
100 62.8 53.1 79.7





#51
4-Methyl-2-Pentanone
Concen: 91.781 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX037659.D
Acq: 12 Sep 2023 11:18

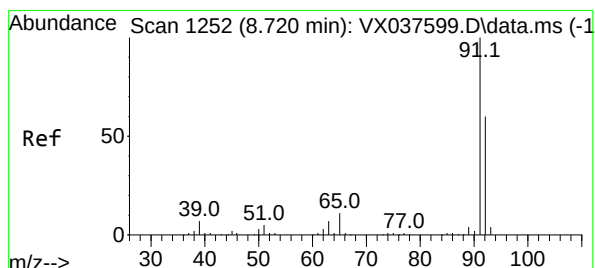
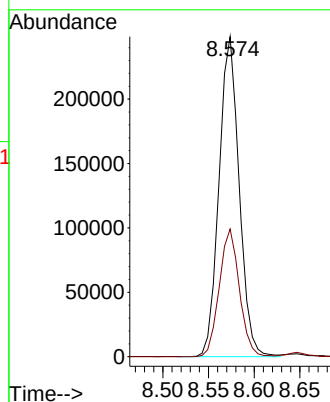
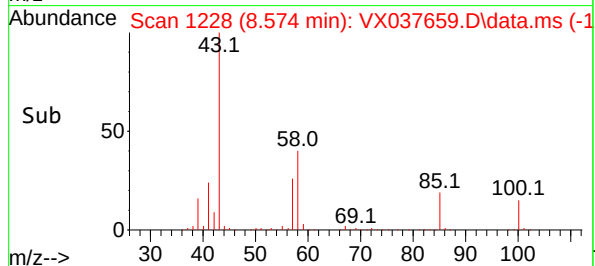
Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01



Tgt Ion: 43 Resp: 38094
Ion Ratio Lower Upper
43 100
58 39.9 30.4 45.6

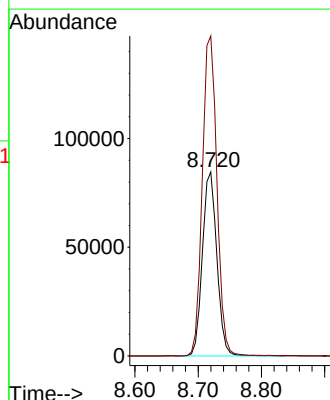
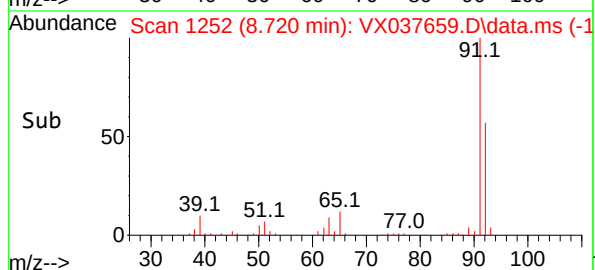
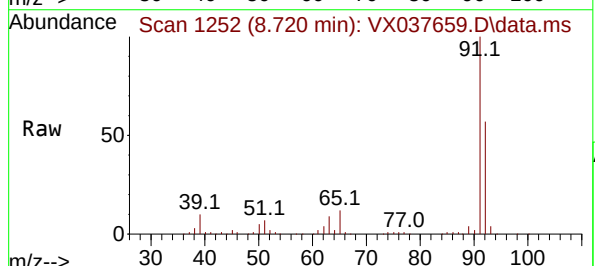
Manual Integrations
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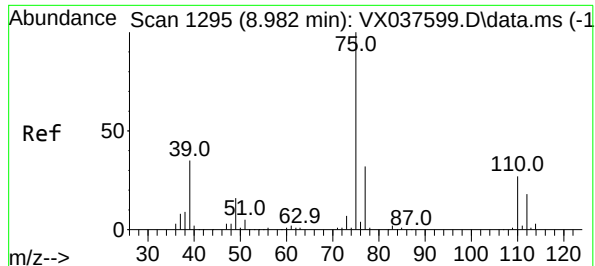
Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023



#52
Toluene
Concen: 20.267 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX037659.D
Acq: 12 Sep 2023 11:18

Tgt Ion: 92 Resp: 134646
Ion Ratio Lower Upper
92 100
91 175.6 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 19.536 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.006 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion: 75 Resp: 71136

Ion Ratio Lower Upper

75 100

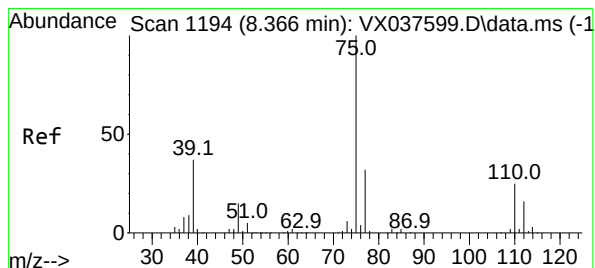
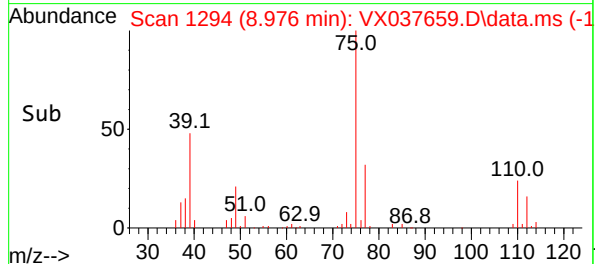
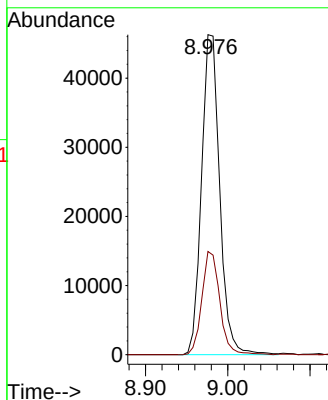
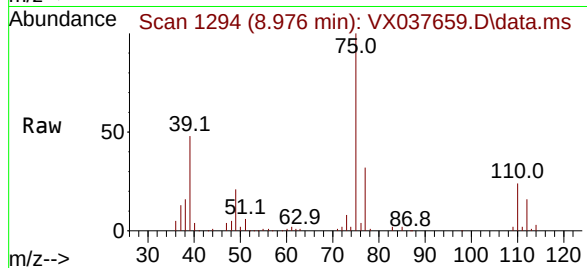
77 32.3 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#54

cis-1,3-Dichloropropene

Concen: 19.679 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

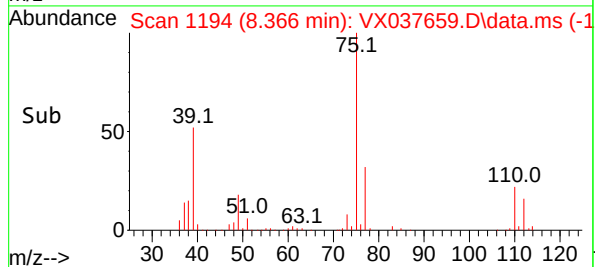
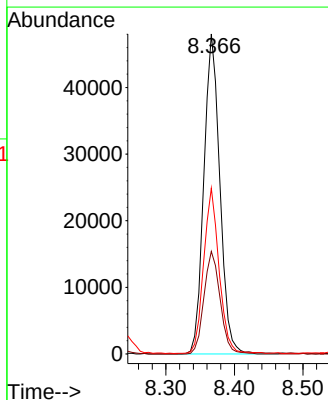
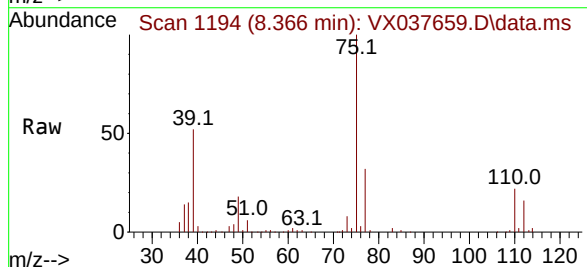
Tgt Ion: 75 Resp: 78147

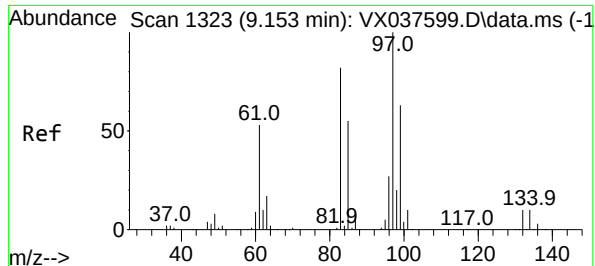
Ion Ratio Lower Upper

75 100

77 32.0 25.3 37.9

39 51.6 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 18.748 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion: 97 Resp: 5355

Ion Ratio Lower Upper

97 100

83 88.3 65.8 98.8

85 56.2 41.6 62.4

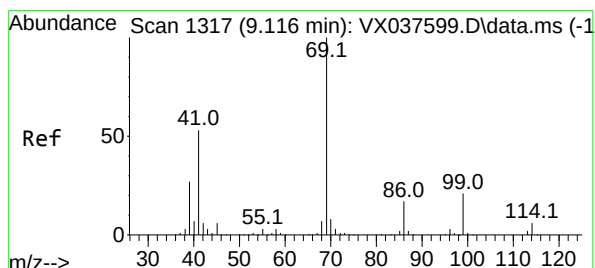
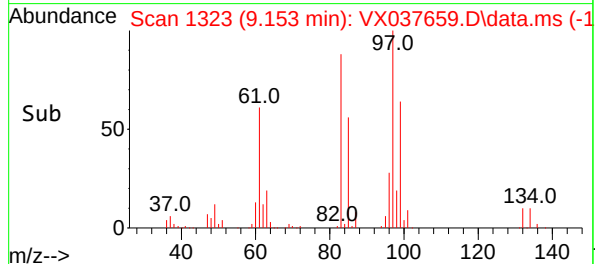
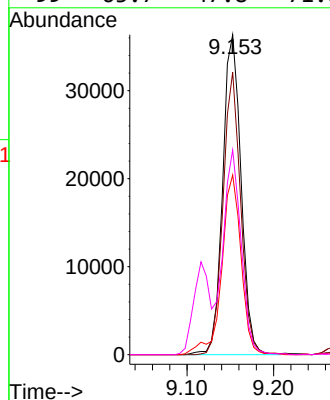
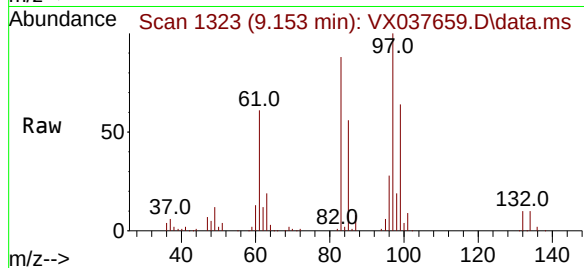
99 63.7 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#56

Ethyl methacrylate

Concen: 18.916 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

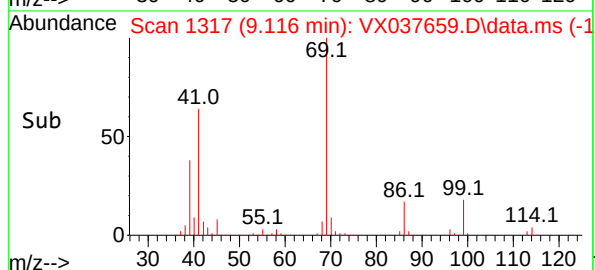
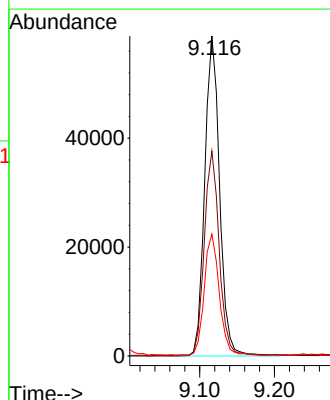
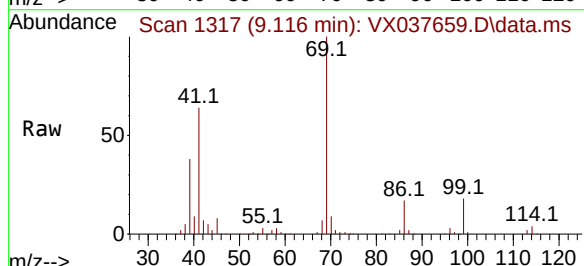
Tgt Ion: 69 Resp: 81210

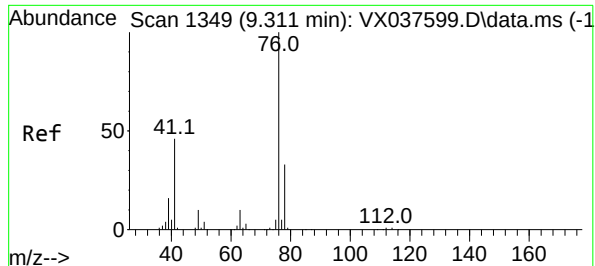
Ion Ratio Lower Upper

69 100

41 64.1 56.8 85.2

39 38.3 32.0 48.0





#57

1,3-Dichloropropane

Concen: 18.417 ug/l

RT: 9.305 min Scan# 1173

Delta R.T. -0.006 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion: 76 Resp: 87584

Ion Ratio Lower Upper

76 100

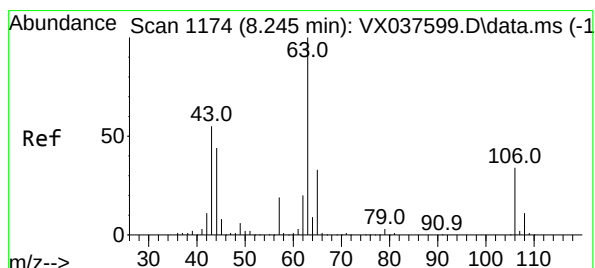
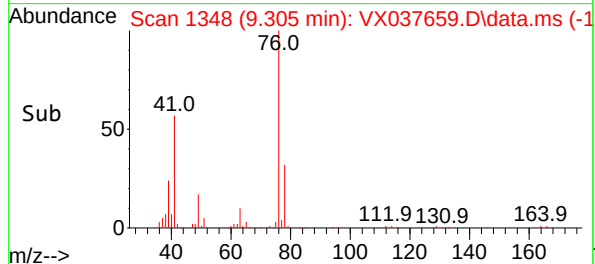
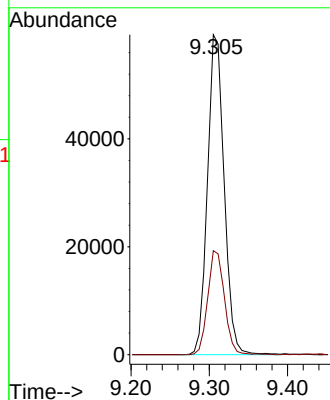
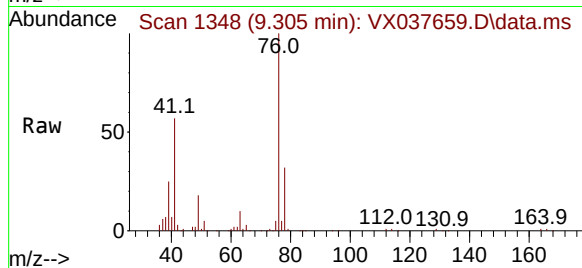
78 32.5 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#58

2-Chloroethyl Vinyl ether

Concen: 97.736 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.006 min

Lab File: VX037659.D

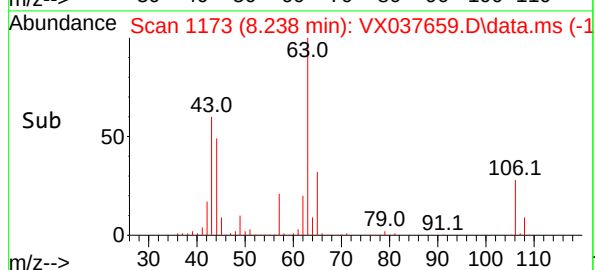
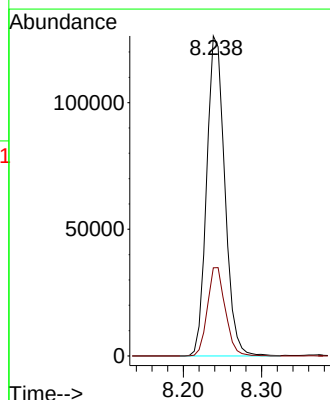
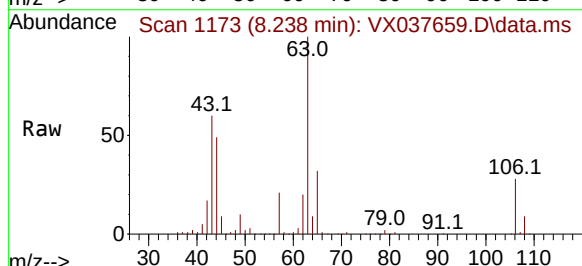
Acq: 12 Sep 2023 11:18

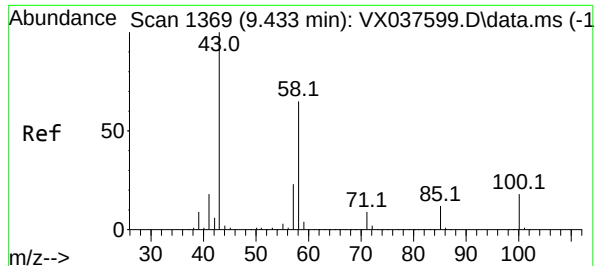
Tgt Ion: 63 Resp: 202518

Ion Ratio Lower Upper

63 100

106 27.3 22.5 33.7





#59

2-Hexanone

Concen: 94.314 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.006 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion: 43 Resp: 300264

Ion Ratio Lower Upper

43 100

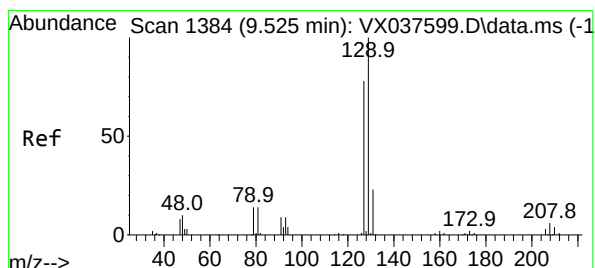
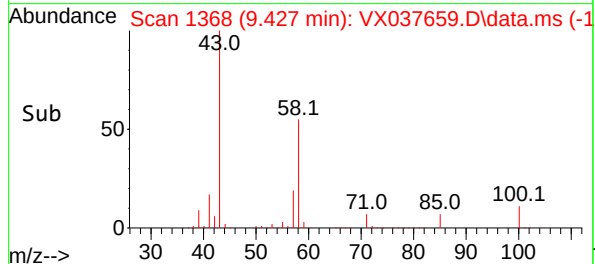
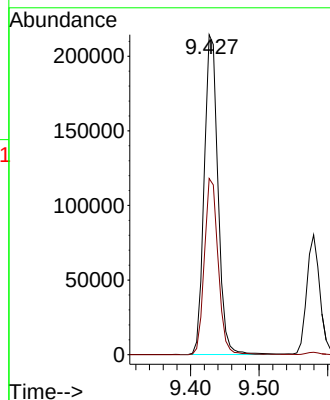
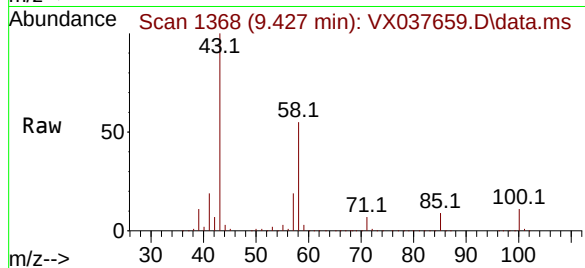
58 55.2 26.2 78.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#60

Dibromochloromethane

Concen: 18.992 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.006 min

Lab File: VX037659.D

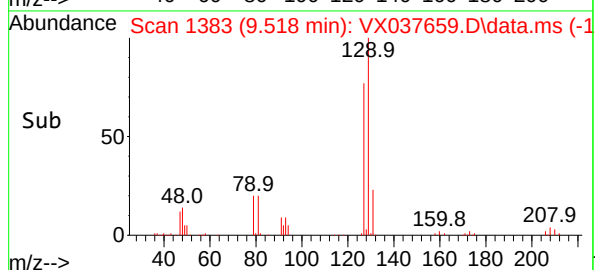
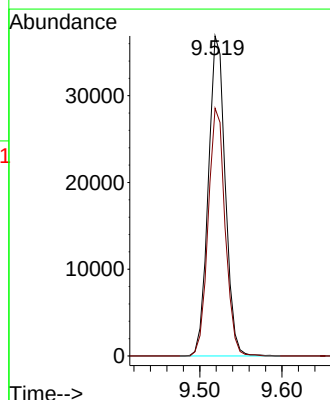
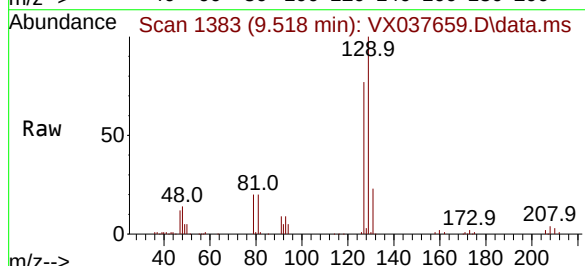
Acq: 12 Sep 2023 11:18

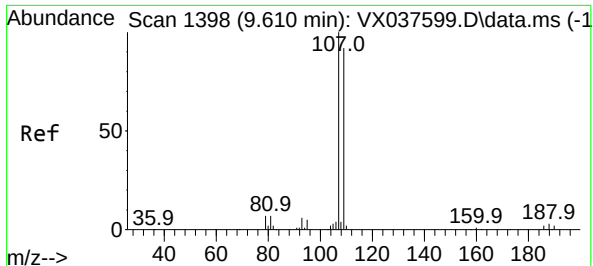
Tgt Ion:129 Resp: 52663

Ion Ratio Lower Upper

129 100

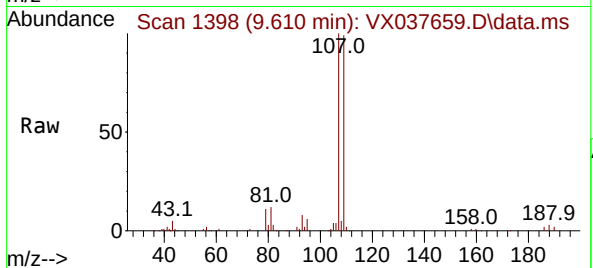
127 77.5 38.8 116.4





#61
1,2-Dibromoethane
Concen: 18.476 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. -0.000 min
Lab File: VX037659.D
Acq: 12 Sep 2023 11:18

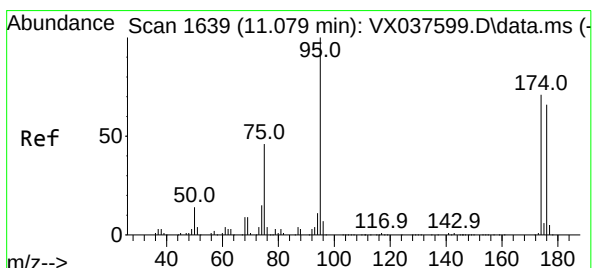
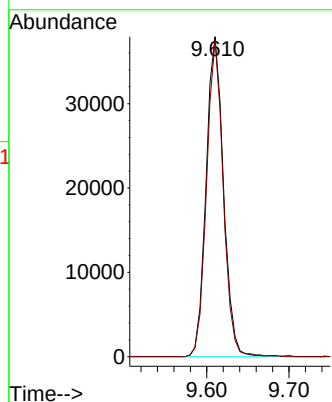
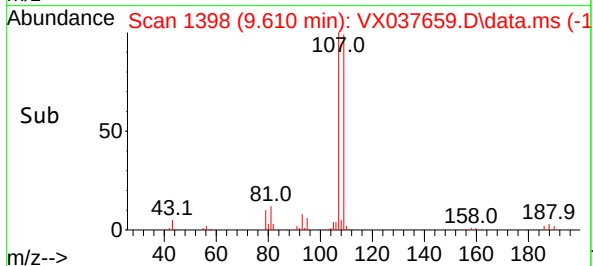
Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01



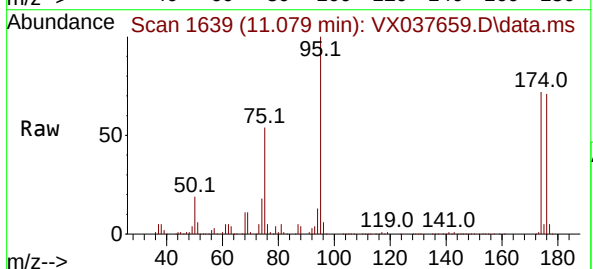
Tgt Ion: 107 Resp: 55650
Ion Ratio Lower Upper
107 100
109 94.7 75.2 112.8

Manual Integrations
APPROVED

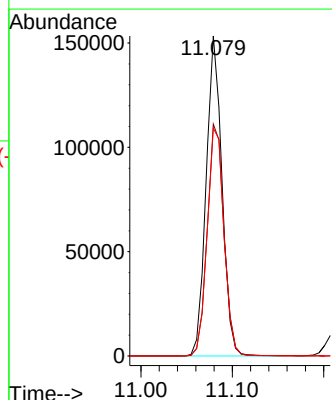
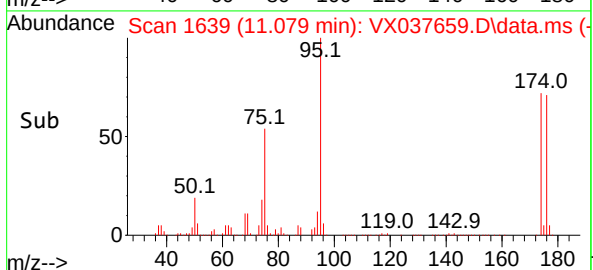
Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023

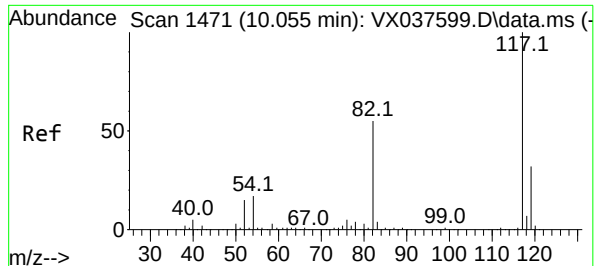


#62
4-Bromofluorobenzene
Concen: 53.915 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037659.D
Acq: 12 Sep 2023 11:18



Tgt Ion: 95 Resp: 183687
Ion Ratio Lower Upper
95 100
174 76.4 0.0 135.6
176 75.7 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

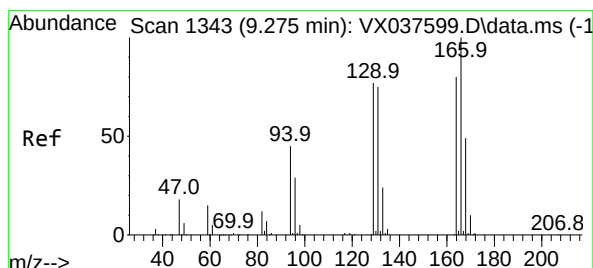
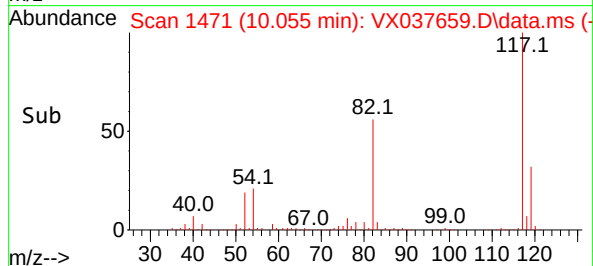
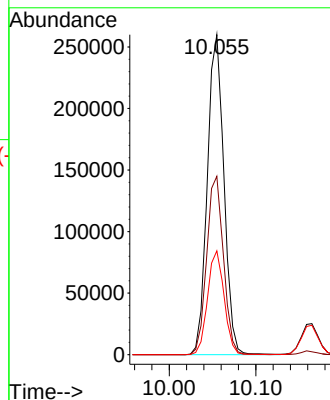
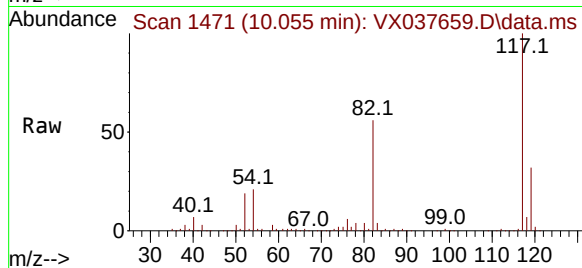
VX0912WBS01

Tgt Ion:	117	Resp:	345854
Ion Ratio	Lower	Upper	
117	100		
82	55.7	46.2	69.4
119	32.4	25.5	38.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#64

Tetrachloroethene

Concen: 19.629 ug/l

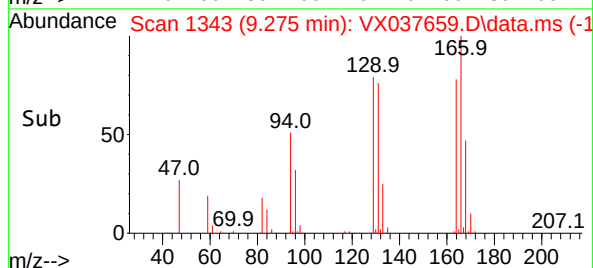
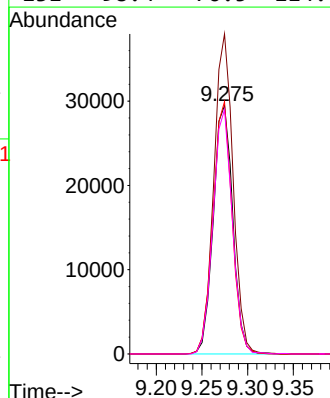
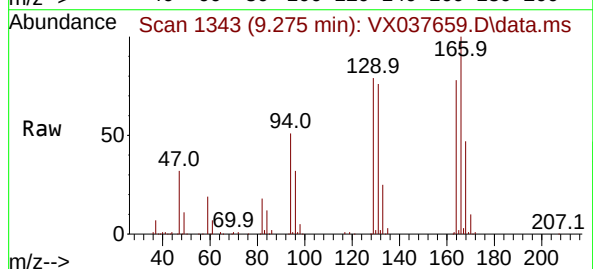
RT: 9.275 min Scan# 1343

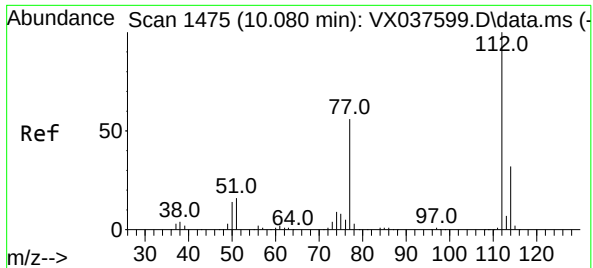
Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Tgt Ion:	164	Resp:	43487
Ion Ratio	Lower	Upper	
164	100		
166	128.8	102.7	154.1
129	101.6	80.4	120.6
131	98.4	76.5	114.7





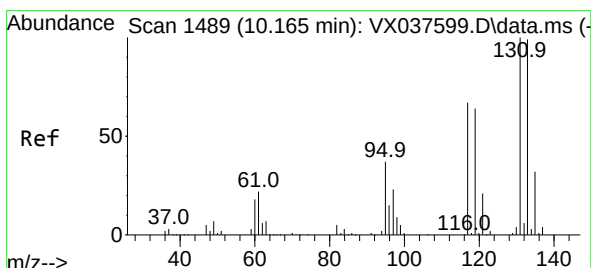
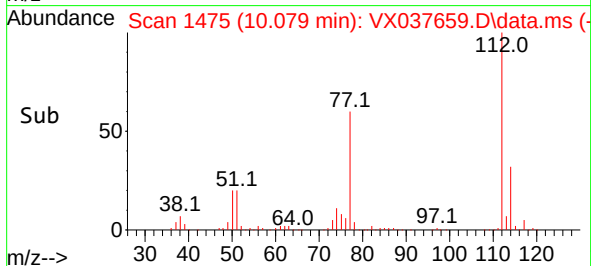
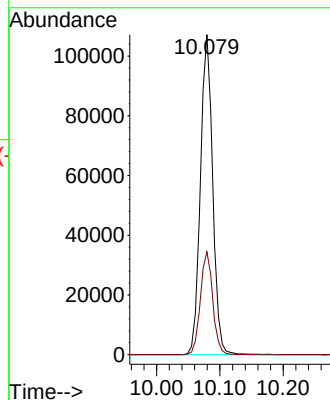
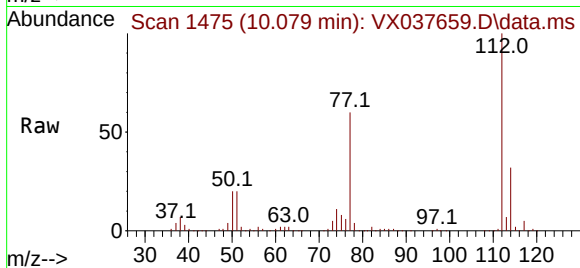
#65
Chlorobenzene
Concen: 19.447 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX037659.D
Acq: 12 Sep 2023 11:18

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

Tgt Ion:112 Resp: 144992
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5

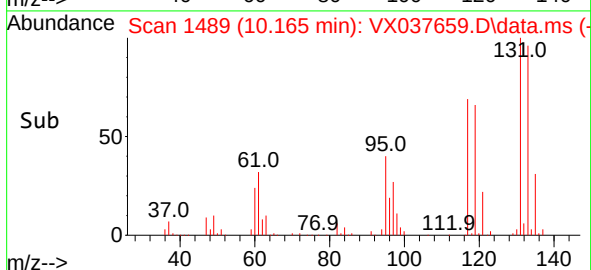
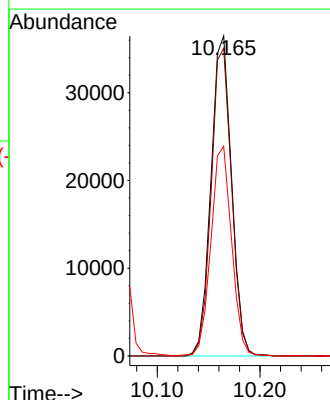
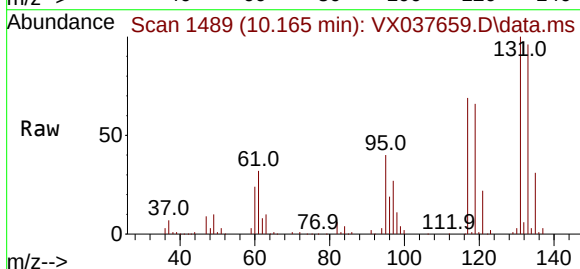
Manual Integrations
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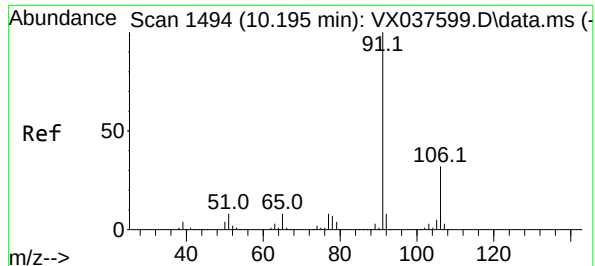
Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 19.518 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VX037659.D
Acq: 12 Sep 2023 11:18

Tgt Ion:131 Resp: 50787
Ion Ratio Lower Upper
131 100
133 95.0 47.1 141.4
119 65.9 32.2 96.6





#67

Ethyl Benzene

Concen: 20.022 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion: 91 Resp: 26547

Ion Ratio Lower Upper

91 100

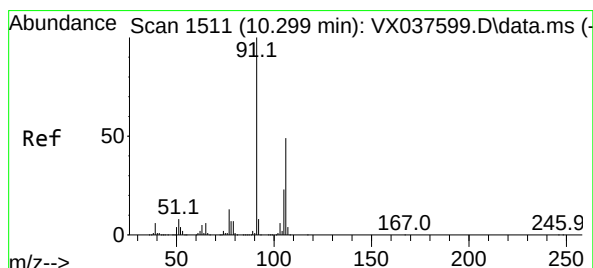
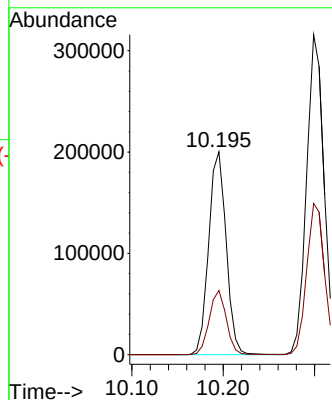
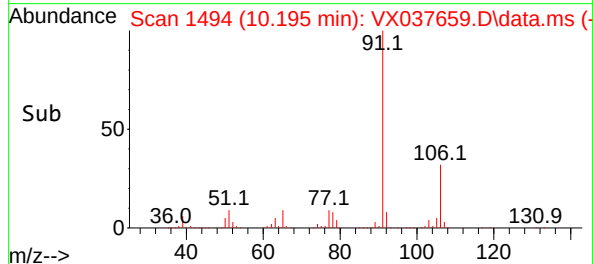
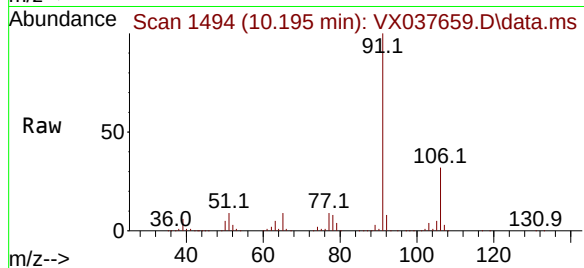
106 31.6 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#68

m/p-Xylenes

Concen: 40.234 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX037659.D

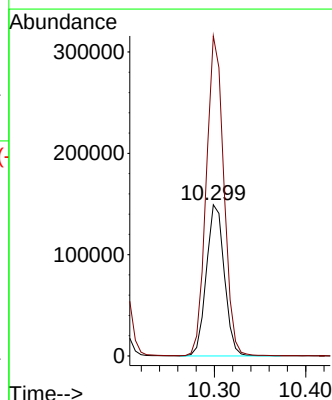
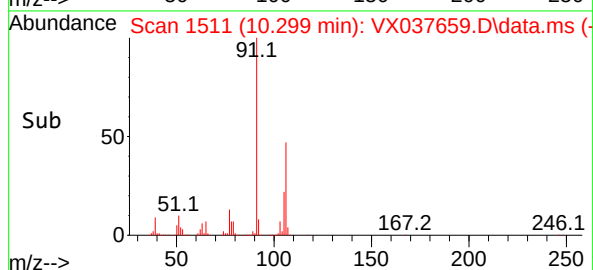
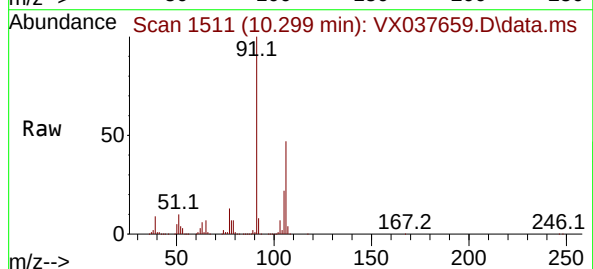
Acq: 12 Sep 2023 11:18

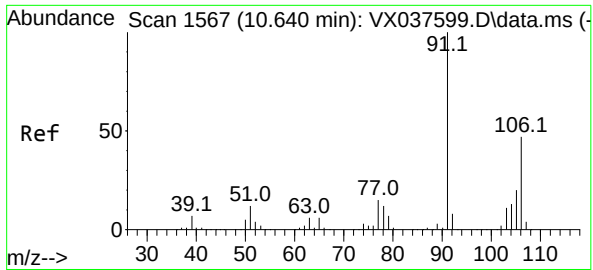
Tgt Ion:106 Resp: 203264

Ion Ratio Lower Upper

106 100

91 207.3 165.5 248.3





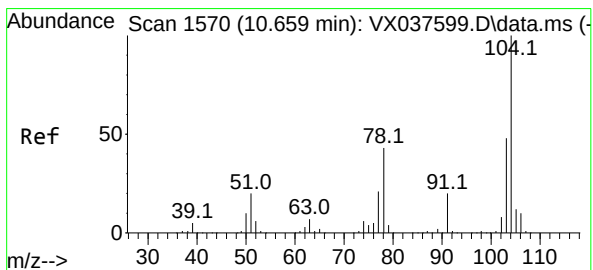
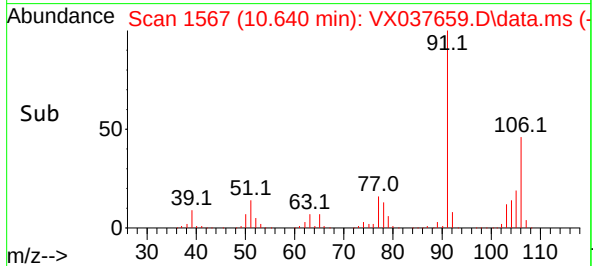
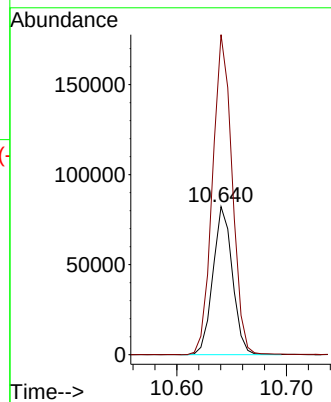
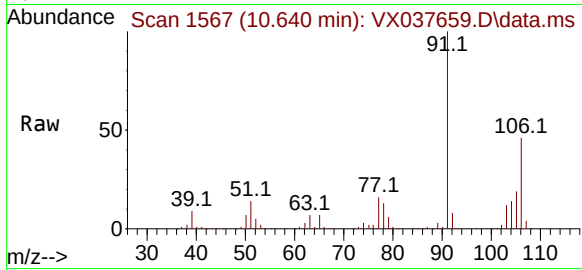
#69
o-Xylene
Concen: 20.235 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX037659.D
Acq: 12 Sep 2023 11:18

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

Tgt Ion:106 Resp: 10137
Ion Ratio Lower Upper
106 100
91 218.5 108.9 326.8

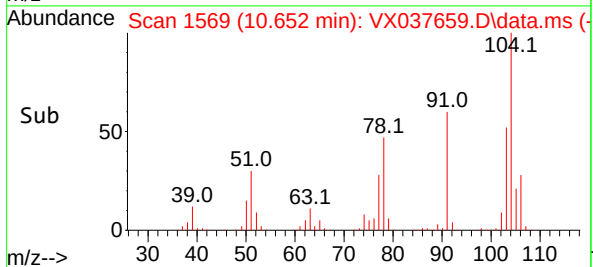
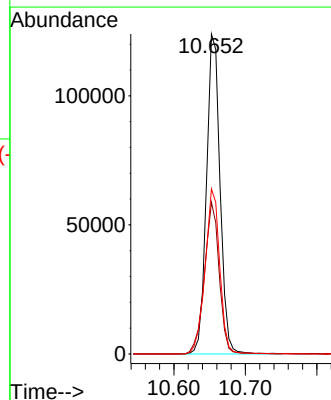
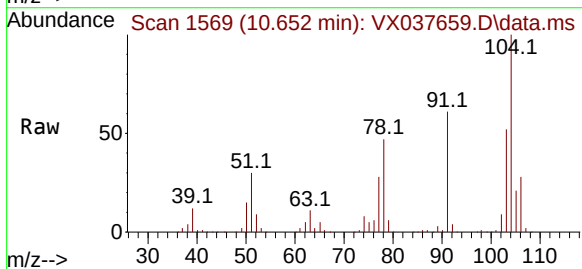
Manual Integrations
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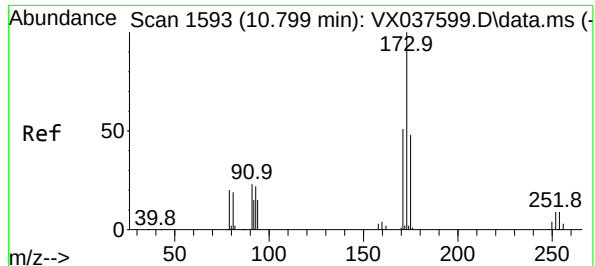
Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023



#70
Styrene
Concen: 19.804 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.007 min
Lab File: VX037659.D
Acq: 12 Sep 2023 11:18

Tgt Ion:104 Resp: 163677
Ion Ratio Lower Upper
104 100
78 51.7 43.6 65.4
103 55.7 43.6 65.4





#71

Bromoform

Concen: 18.145 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

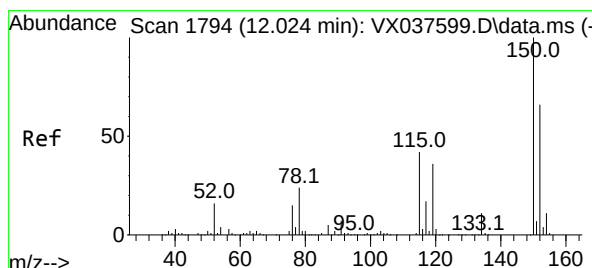
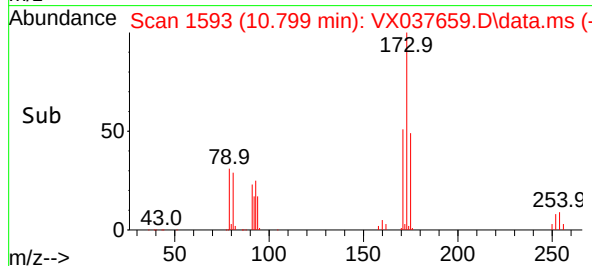
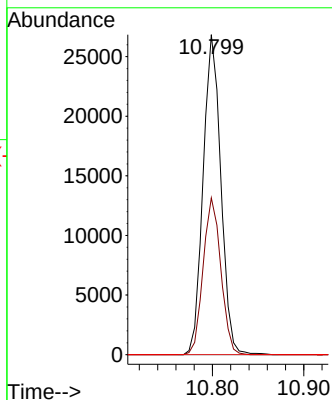
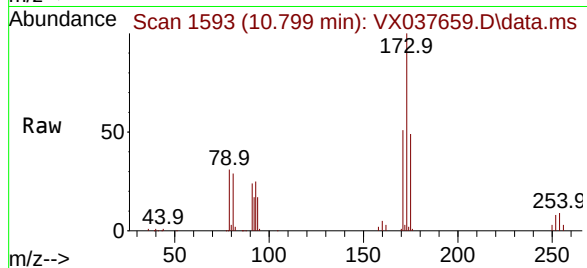
VX0912WBS01

Tgt Ion:	173	Resp:	3609
Ion Ratio	Lower	Upper	
173	100		
175	48.9	24.1	72.4
254	0.0	0.0	0.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

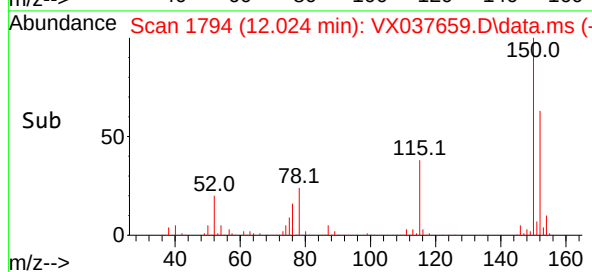
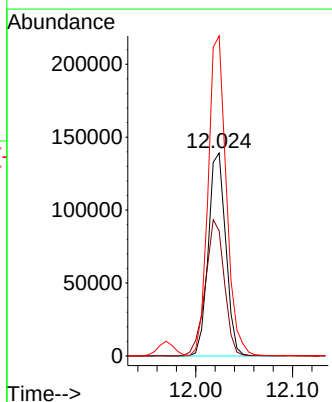
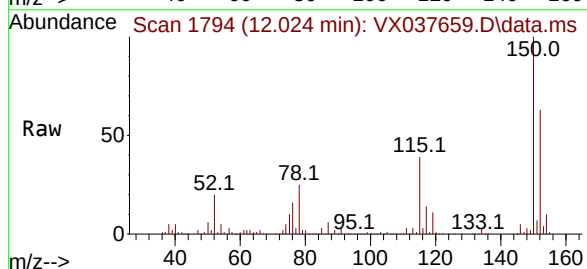
RT: 12.024 min Scan# 1794

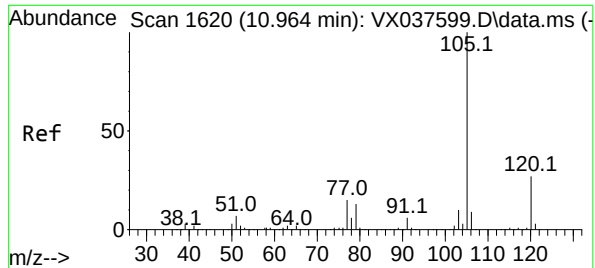
Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Tgt Ion:	152	Resp:	175090
Ion Ratio	Lower	Upper	
152	100		
115	72.8	43.3	129.9
150	163.9	0.0	345.0





#73

Isopropylbenzene

Concen: 20.283 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion:105 Resp: 26725

Ion Ratio Lower Upper

105 100

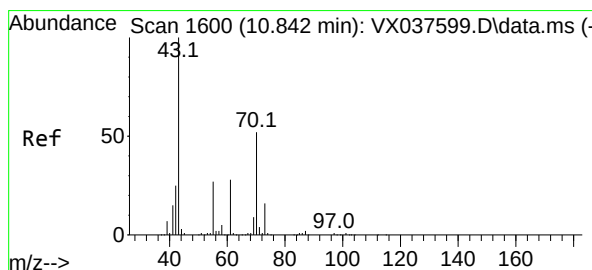
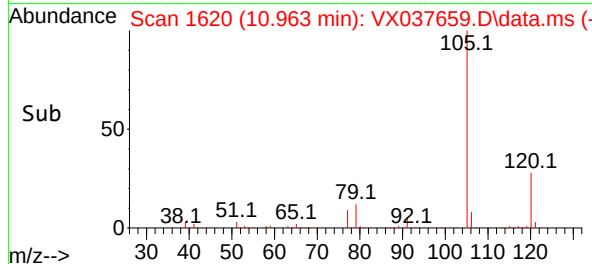
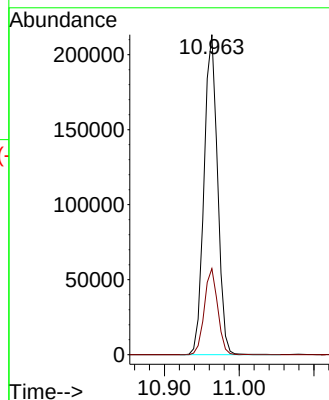
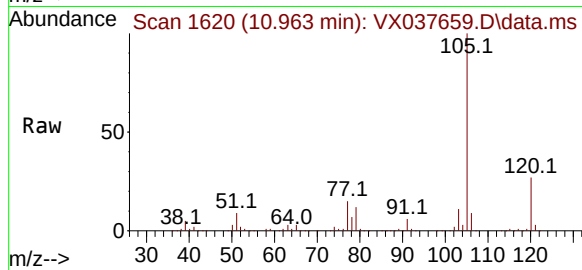
120 26.5 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#74

N-ethyl acetate

Concen: 18.678 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Tgt Ion: 43 Resp: 108646

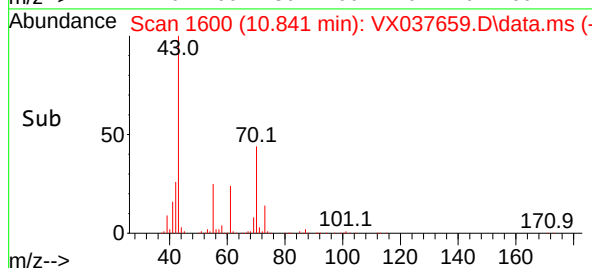
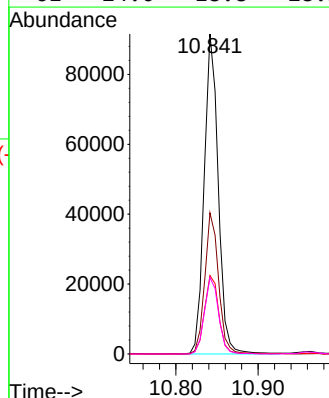
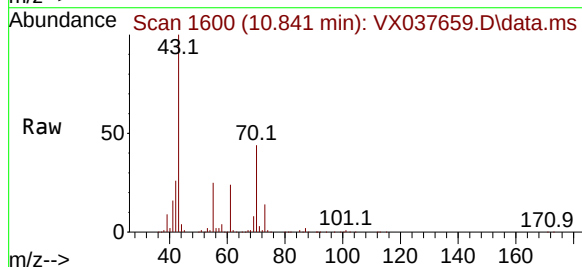
Ion Ratio Lower Upper

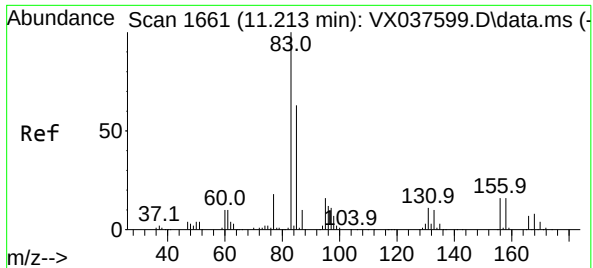
43 100

70 43.5 32.9 49.3

55 25.2 19.3 28.9

61 24.0 18.8 28.2





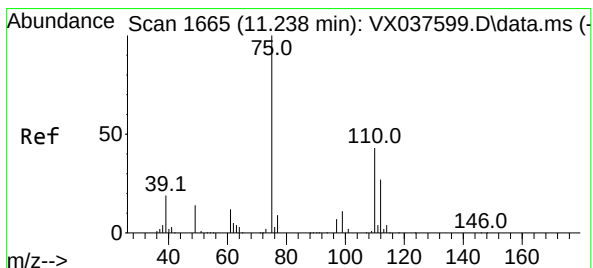
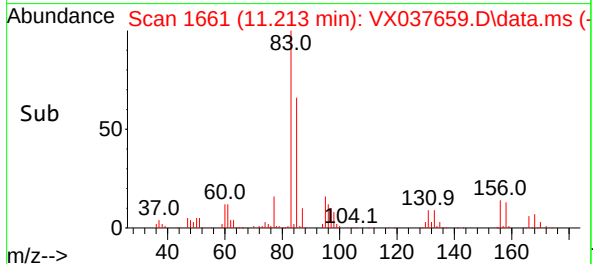
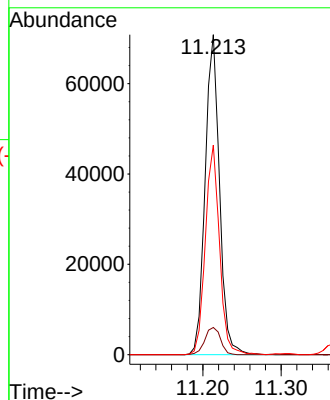
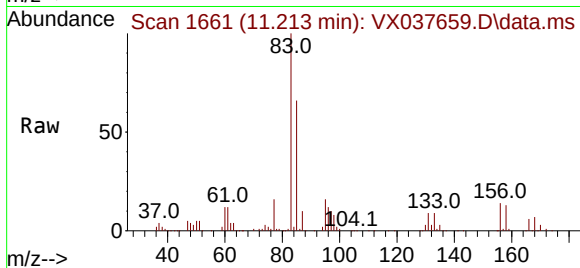
#75
1,1,2,2-Tetrachloroethane
Concen: 17.997 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX037659.D
Acq: 12 Sep 2023 11:18

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

Tgt Ion: 83 Resp: 89908
Ion Ratio Lower Upper
83 100
131 9.3 5.3 15.8
85 64.8 32.0 96.2

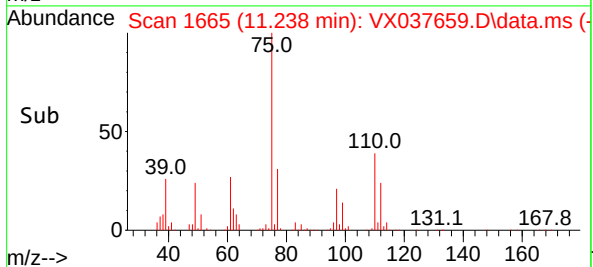
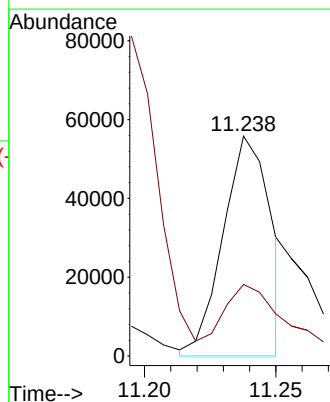
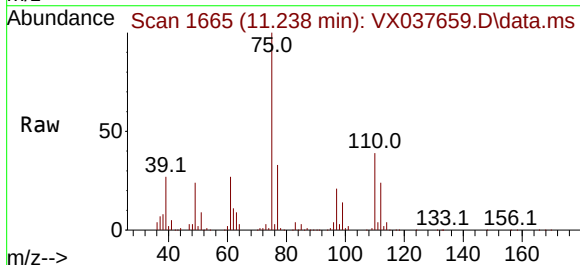
Manual Integrations
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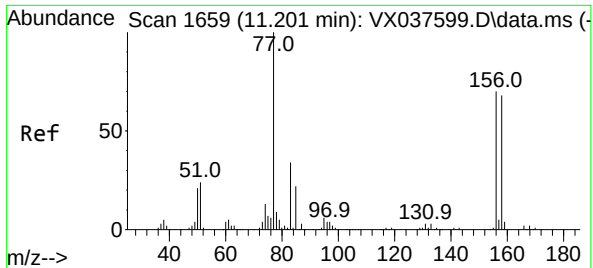
Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023



#76
1,2,3-Trichloropropane
Concen: 17.739 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX037659.D
Acq: 12 Sep 2023 11:18

Tgt Ion: 75 Resp: 70208
Ion Ratio Lower Upper
75 100
77 43.3 19.1 57.5





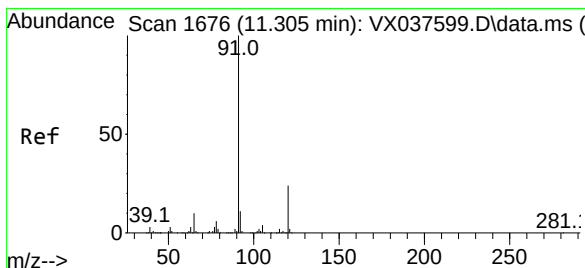
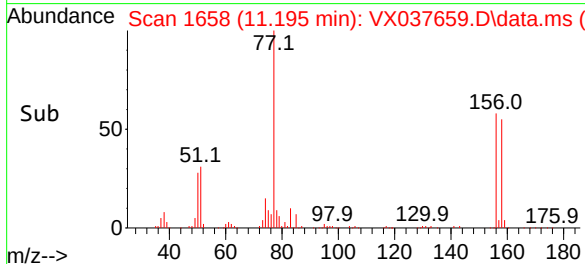
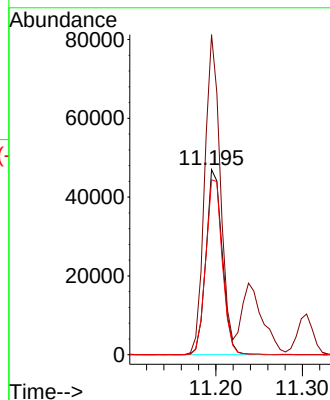
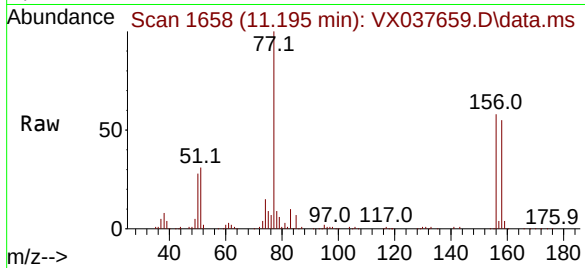
#77
Bromobenzene
Concen: 19.365 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.006 min
Lab File: VX037659.D
Acq: 12 Sep 2023 11:18

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

Tgt Ion:156 Resp: 61238
Ion Ratio Lower Upper
156 100
77 166.5 88.4 265.3
158 96.6 48.0 144.0

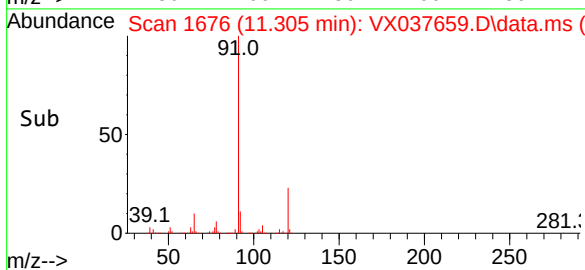
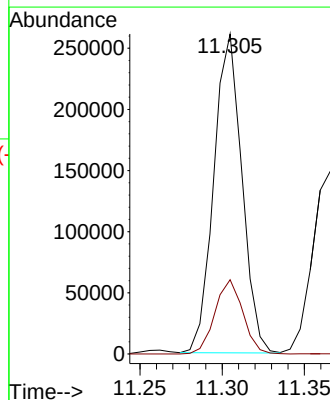
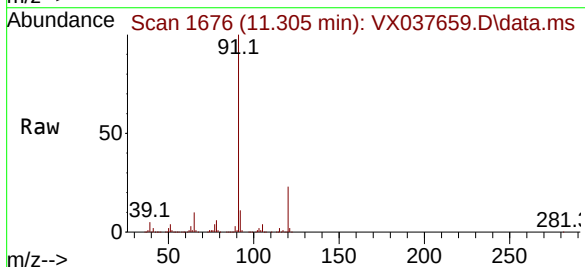
Manual Integrations
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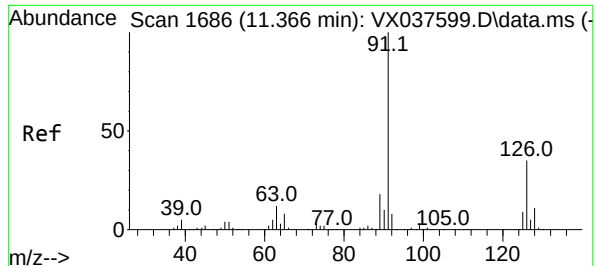
Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023



#78
n-propylbenzene
Concen: 20.378 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX037659.D
Acq: 12 Sep 2023 11:18

Tgt Ion: 91 Resp: 309899
Ion Ratio Lower Upper
91 100
120 23.1 11.5 34.4





#79

2-Chlorotoluene

Concen: 20.021 ug/l

RT: 11.366 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion: 91 Resp: 18724

Ion Ratio Lower Upper

91 100

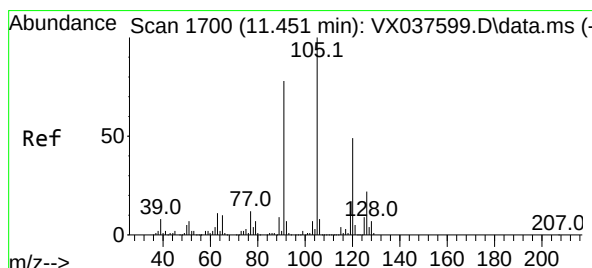
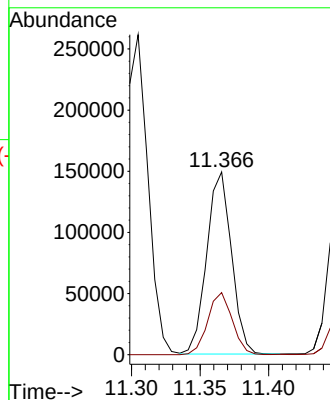
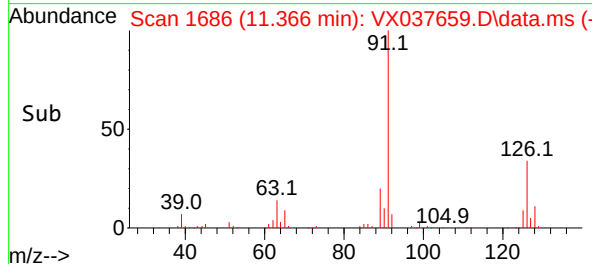
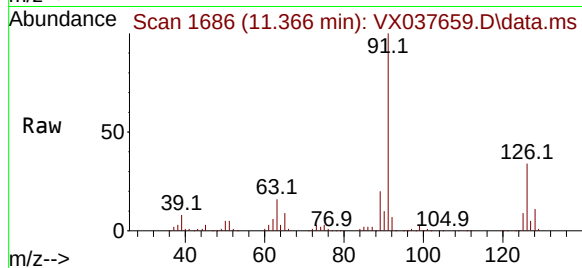
126 33.8 16.3 48.8

Manual Integrations

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Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#80

1,3,5-Trimethylbenzene

Concen: 20.355 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX037659.D

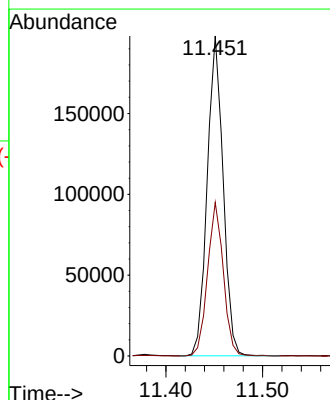
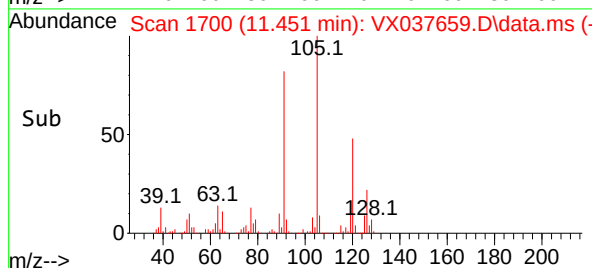
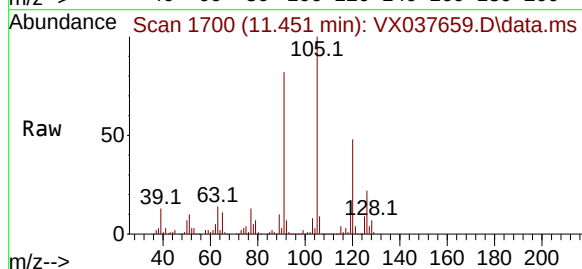
Acq: 12 Sep 2023 11:18

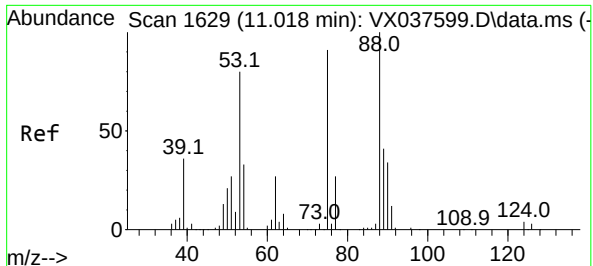
Tgt Ion:105 Resp: 226569

Ion Ratio Lower Upper

105 100

120 47.6 24.1 72.3





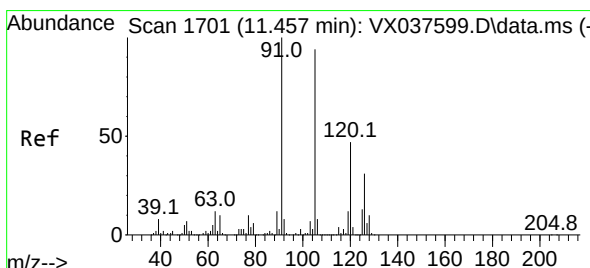
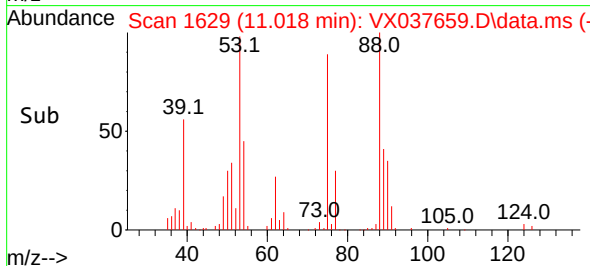
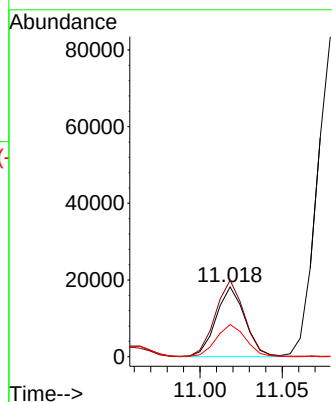
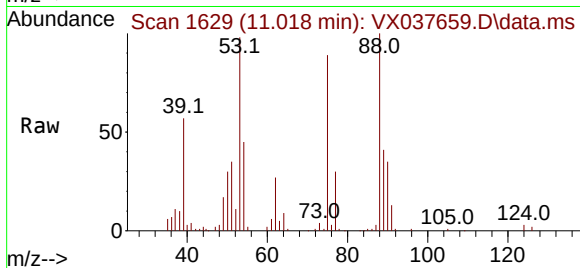
#81
trans-1,4-Dichloro-2-butene
Concen: 17.543 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX037659.D
Acq: 12 Sep 2023 11:18

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

Tgt Ion: 75 Resp: 2221
Ion Ratio Lower Upper
75 100
53 109.6 90.5 135.7
89 47.1 36.9 55.3

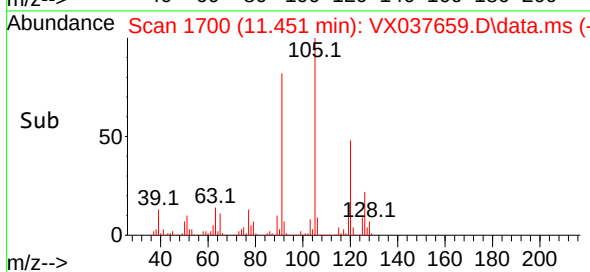
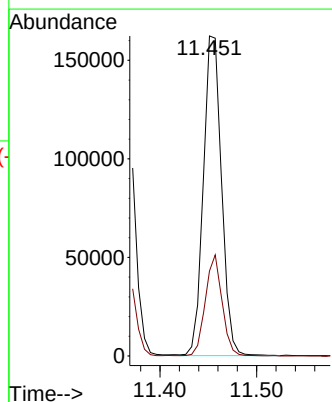
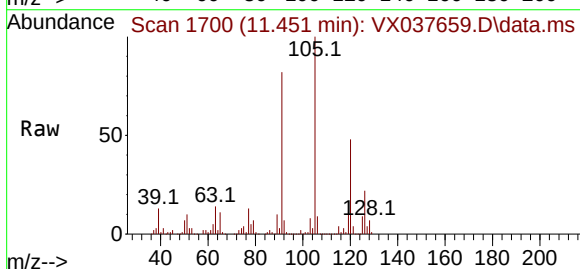
Manual Integrations
APPROVED

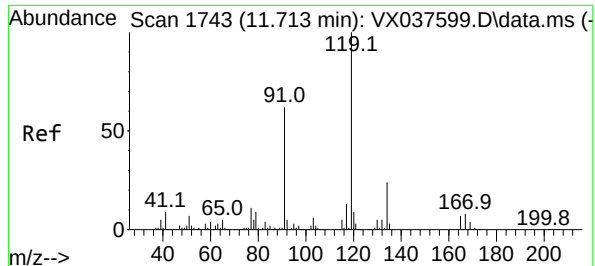
Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023



#82
4-Chlorotoluene
Concen: 19.970 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VX037659.D
Acq: 12 Sep 2023 11:18

Tgt Ion: 91 Resp: 212569
Ion Ratio Lower Upper
91 100
126 29.2 14.2 42.6





#83

tert-Butylbenzene

Concen: 20.194 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion:119 Resp: 224128

Ion Ratio Lower Upper

119 100

91 61.1 31.2 93.6

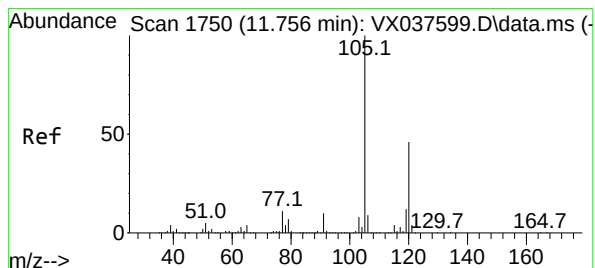
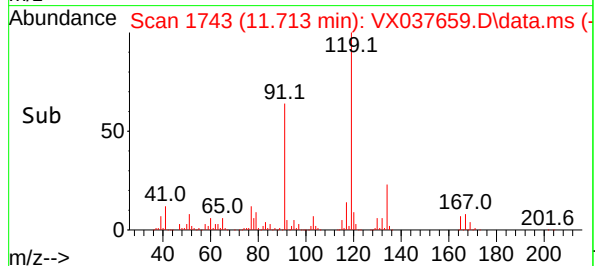
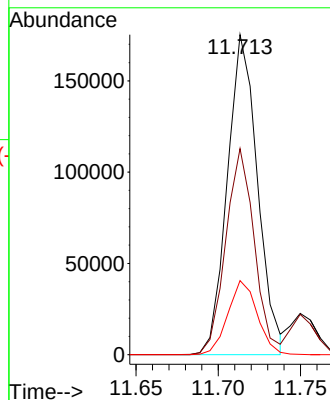
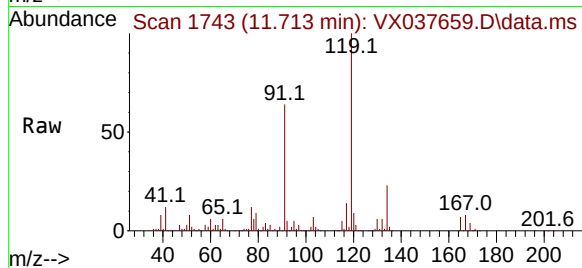
134 22.6 11.7 35.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#84

1,2,4-Trimethylbenzene

Concen: 20.602 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.006 min

Lab File: VX037659.D

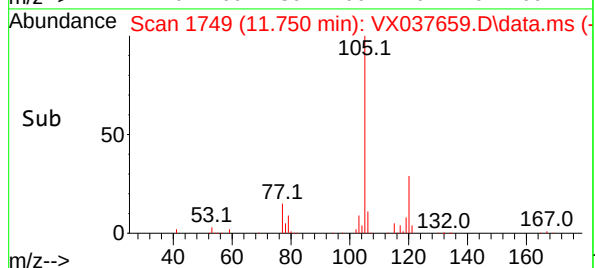
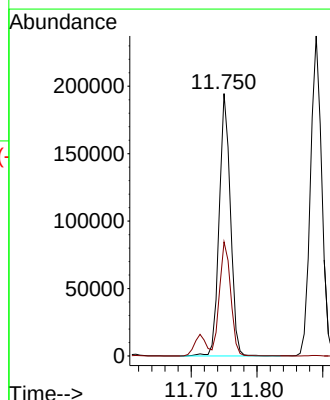
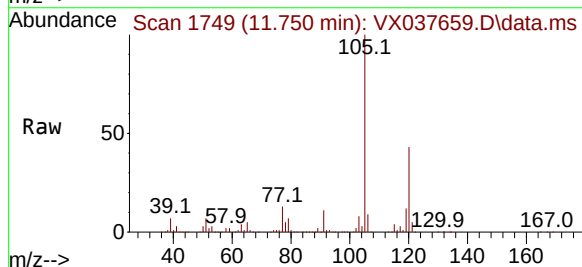
Acq: 12 Sep 2023 11:18

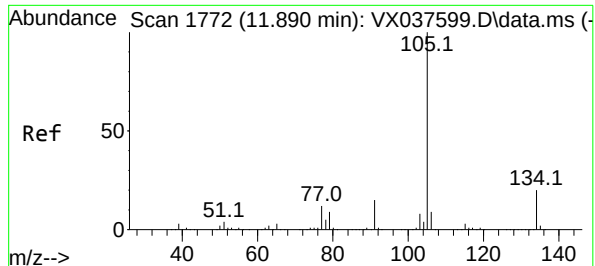
Tgt Ion:105 Resp: 230315

Ion Ratio Lower Upper

105 100

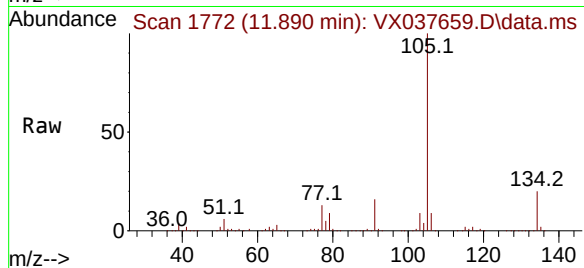
120 43.3 21.2 63.6





#85
 sec-Butylbenzene
 Concen: 20.439 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX037659.D
 Acq: 12 Sep 2023 11:18

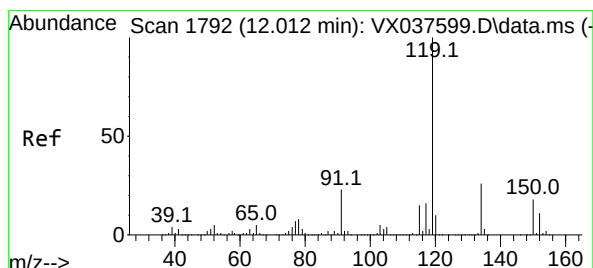
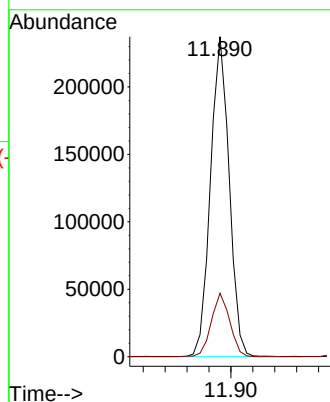
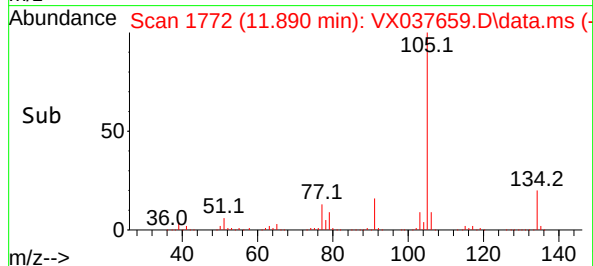
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912WBS01



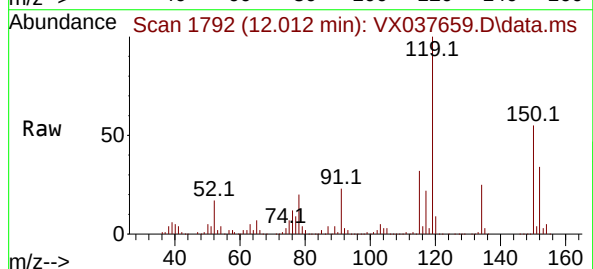
Tgt Ion:105 Resp: 281160
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.4

Manual Integrations
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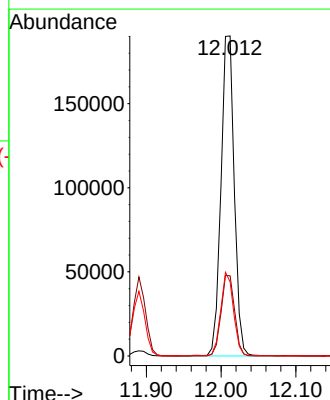
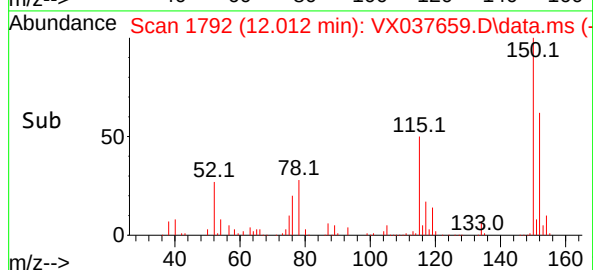
Reviewed By :John Carlone 09/13/2023
 Supervised By :Mahesh Dadoda 09/13/2023

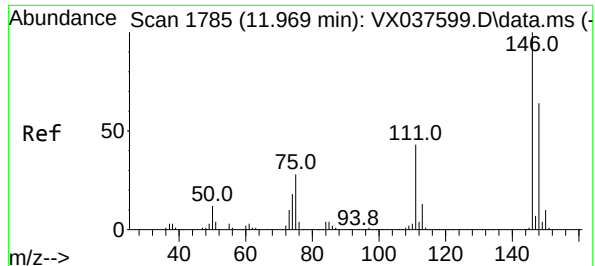


#86
 p-Isopropyltoluene
 Concen: 20.750 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. -0.000 min
 Lab File: VX037659.D
 Acq: 12 Sep 2023 11:18



Tgt Ion:119 Resp: 235047
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.8 38.3
 91 25.2 13.1 39.3





#87

1,3-Dichlorobenzene

Concen: 19.673 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion:146 Resp: 11820

Ion Ratio Lower Upper

146 100

111 40.9 22.1 66.1

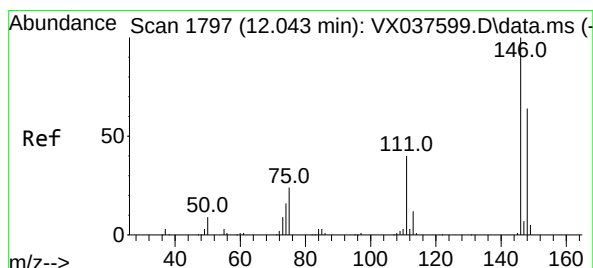
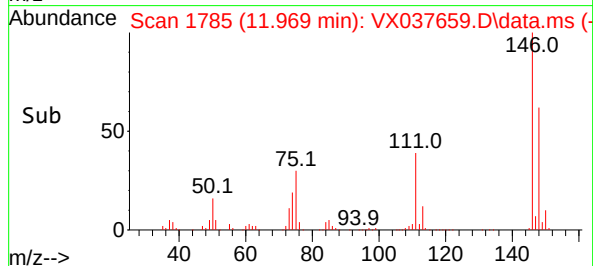
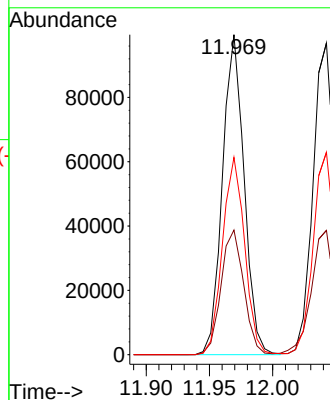
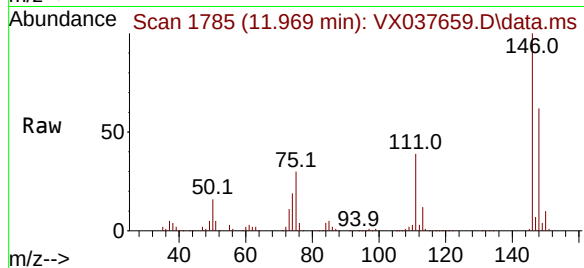
148 63.2 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#88

1,4-Dichlorobenzene

Concen: 19.413 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

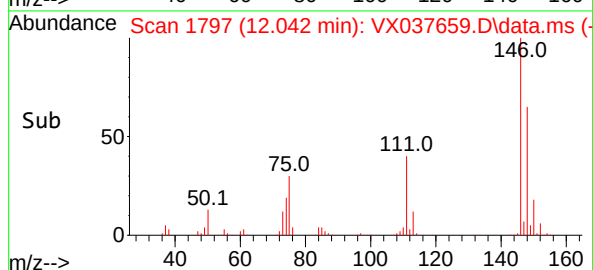
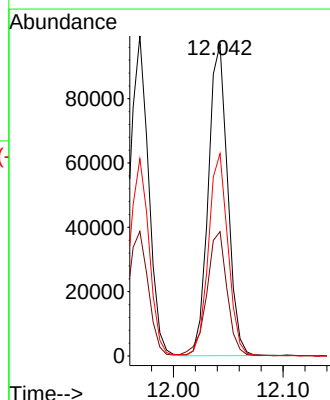
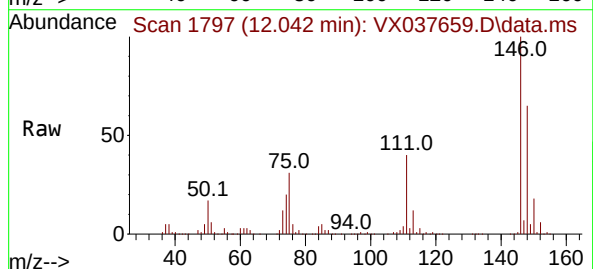
Tgt Ion:146 Resp: 118747

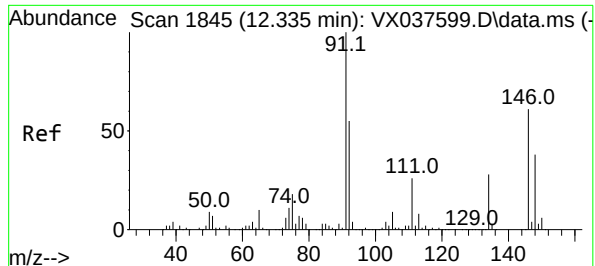
Ion Ratio Lower Upper

146 100

111 41.8 21.3 63.7

148 65.9 31.8 95.4





#89

n-Butylbenzene

Concen: 20.646 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

Tgt Ion: 91 Resp: 20936

Ion Ratio Lower Upper

91 100

92 50.9 27.4 82.0

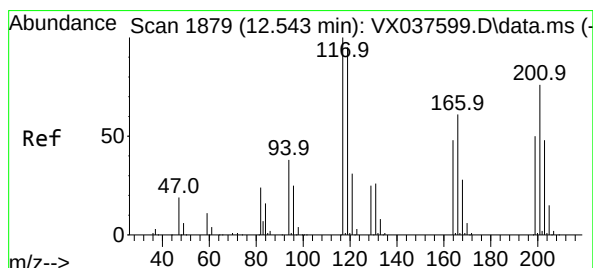
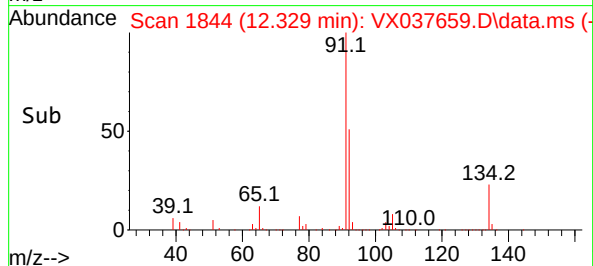
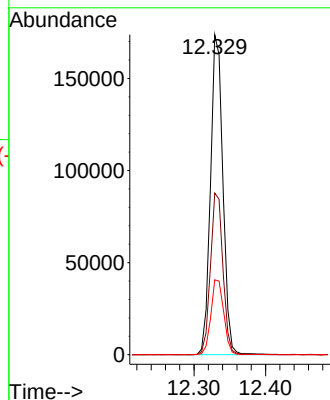
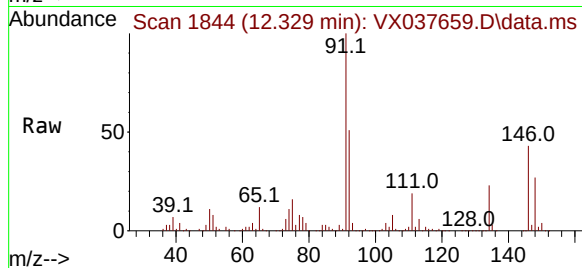
134 24.2 12.6 37.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#90

Hexachloroethane

Concen: 20.272 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.006 min

Lab File: VX037659.D

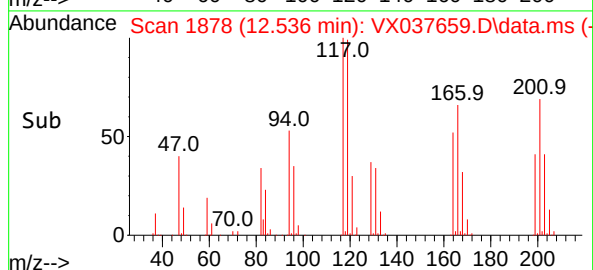
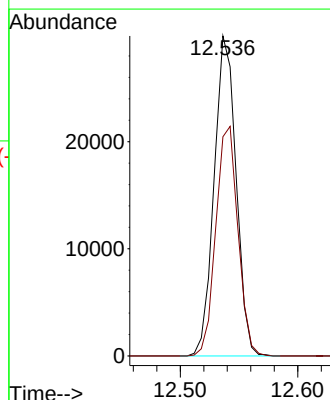
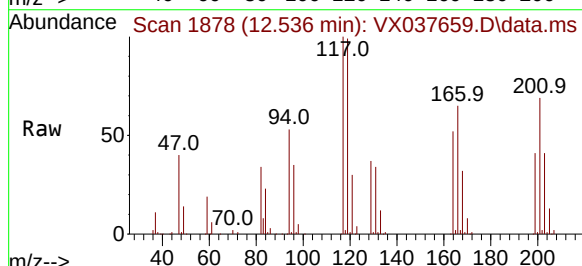
Acq: 12 Sep 2023 11:18

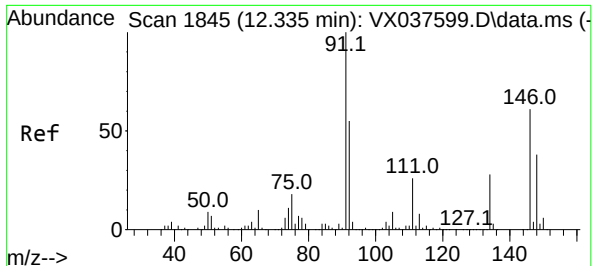
Tgt Ion:117 Resp: 38823

Ion Ratio Lower Upper

117 100

201 72.3 32.9 98.6





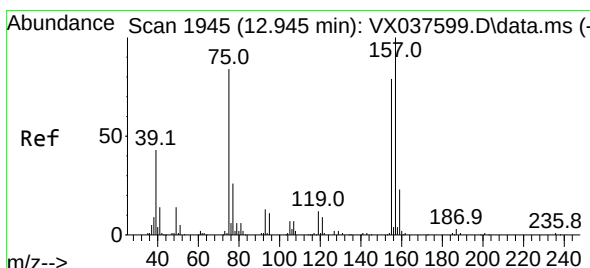
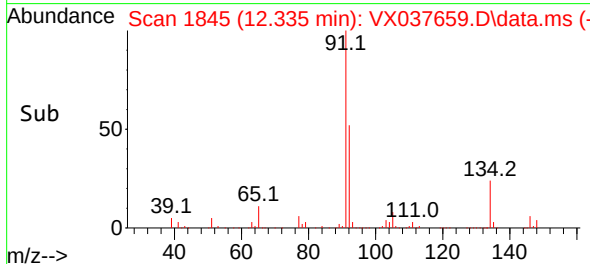
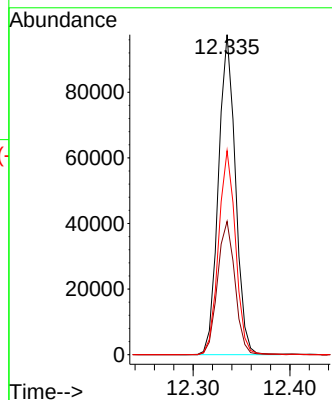
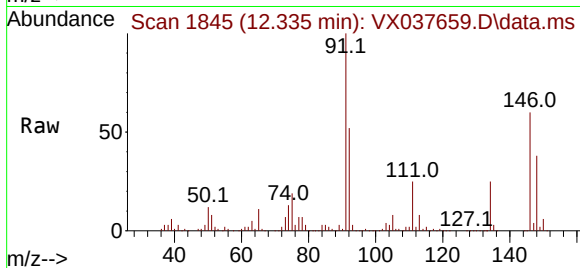
#91
1,2-Dichlorobenzene
Concen: 19.447 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX037659.D
Acq: 12 Sep 2023 11:18

Instrument :
MSVOA_X
ClientSampleId :
VX0912WBS01

Tgt Ion:146 Resp: 118814
Ion Ratio Lower Upper
146 100
111 42.8 22.4 67.0
148 63.7 31.6 95.0

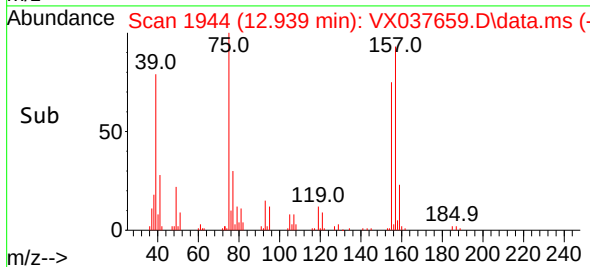
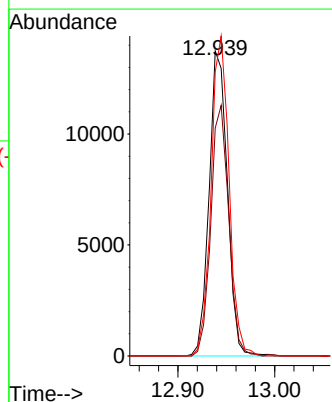
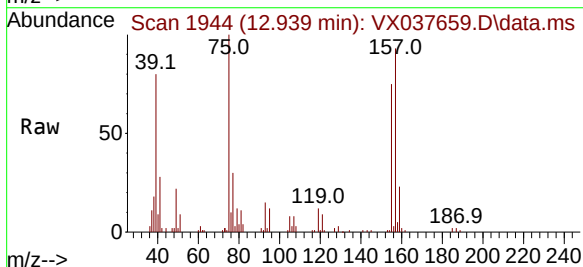
Manual Integrations
APPROVED

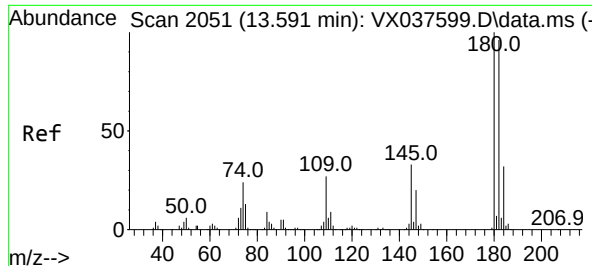
Reviewed By :John Carlone 09/13/2023
Supervised By :Mahesh Dadoda 09/13/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 17.257 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.006 min
Lab File: VX037659.D
Acq: 12 Sep 2023 11:18

Tgt Ion: 75 Resp: 18107
Ion Ratio Lower Upper
75 100
155 80.2 36.1 108.5
157 102.7 44.9 134.7





#93

1,2,4-Trichlorobenzene

Concen: 19.985 ug/l

RT: 13.585 min Scan# 2051

Delta R.T. -0.006 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

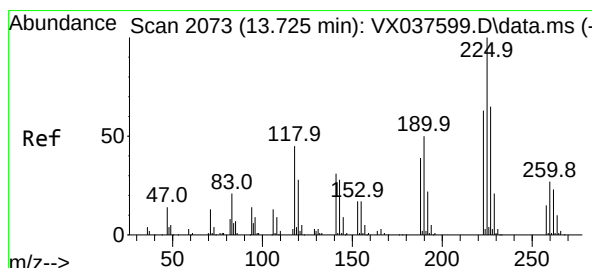
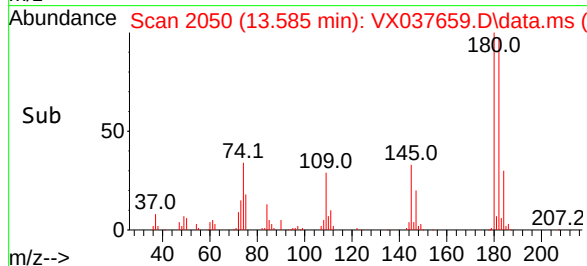
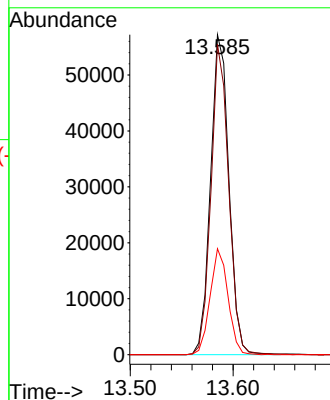
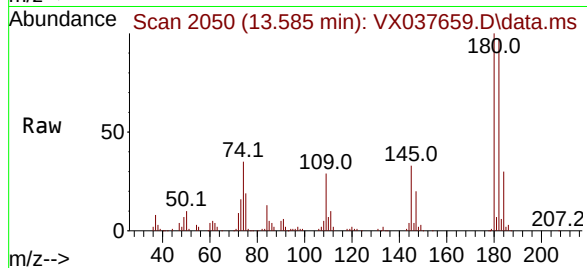
Tgt Ion:	180	Resp:	7092
Ion Ratio	Lower	Upper	
180	100		
182	93.7	48.3	144.8
145	32.3	18.0	54.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#94

Hexachlorobutadiene

Concen: 20.619 ug/l

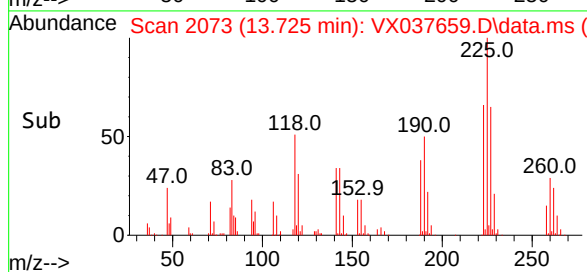
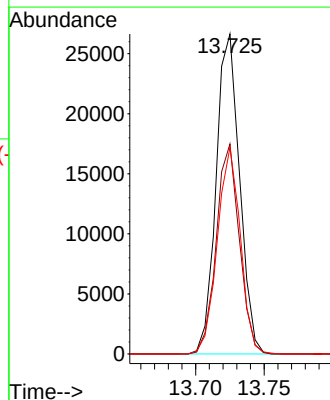
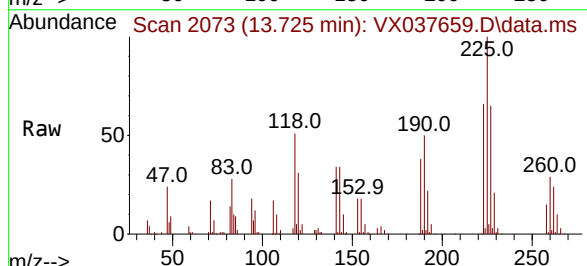
RT: 13.725 min Scan# 2073

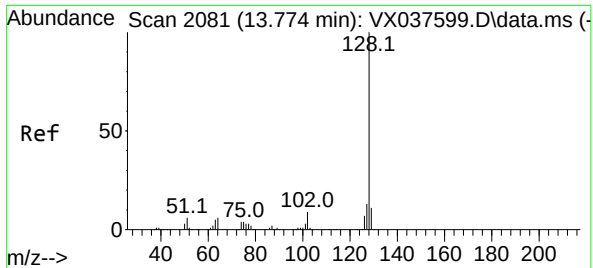
Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Tgt Ion:	225	Resp:	31713
Ion Ratio	Lower	Upper	
225	100		
223	64.4	31.1	93.2
227	63.2	32.5	97.5





#95

Naphthalene

Concen: 18.731 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Instrument :

MSVOA_X

ClientSampleId :

VX0912WBS01

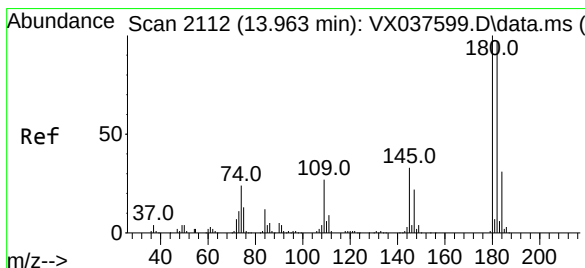
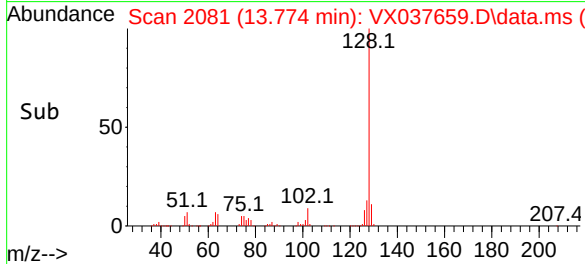
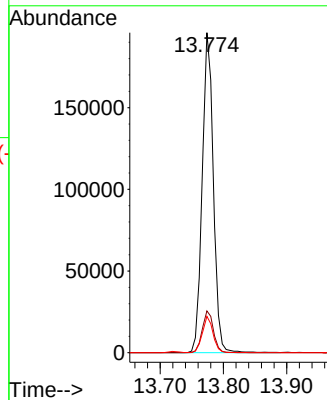
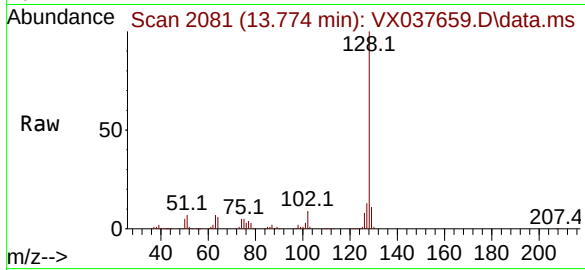
Tgt Ion:	128	Resp:	24061
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.3	15.5
129	10.9	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2023

Supervised By :Mahesh Dadoda 09/13/2023



#96

1,2,3-Trichlorobenzene

Concen: 19.534 ug/l

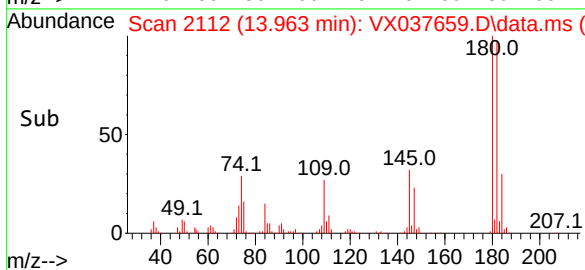
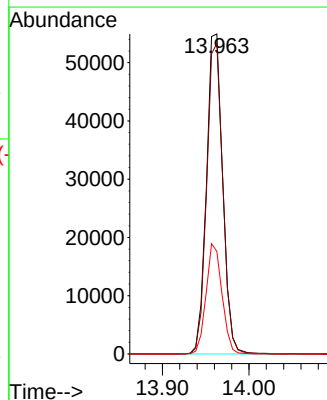
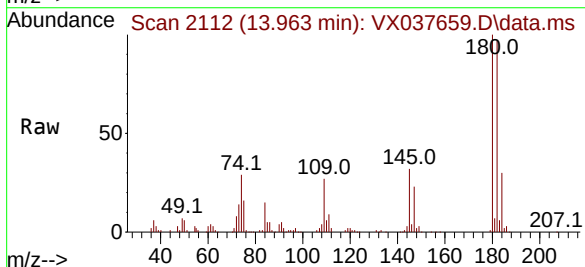
RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX037659.D

Acq: 12 Sep 2023 11:18

Tgt Ion:	180	Resp:	71483
Ion Ratio	Lower	Upper	
180	100		
182	96.5	46.9	140.6
145	33.8	17.8	53.5





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

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	
Project:	Andrews St. Site		Date Received:	
Client Sample ID:	VX0913WBS01		SDG No.:	O4373
Lab Sample ID:	VX0913WBS01		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:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037686.D	1		09/13/23 11:36	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.7		0.14	1.00	ug/L
74-87-3	Chloromethane	18.4		0.25	1.00	ug/L
75-01-4	Vinyl Chloride	18.2		0.25	1.00	ug/L
74-83-9	Bromomethane	17.4		1.60	5.00	ug/L
75-00-3	Chloroethane	18.8		0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.3		0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.4		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.9		0.21	1.00	ug/L
67-64-1	Acetone	98.8		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	17.1		0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.4		0.14	1.00	ug/L
79-20-9	Methyl Acetate	18.5		0.36	1.00	ug/L
75-09-2	Methylene Chloride	19.4		0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.8		0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.6		0.16	1.00	ug/L
110-82-7	Cyclohexane	18.3		1.60	5.00	ug/L
78-93-3	2-Butanone	92.6		1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.3		0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.1		0.20	1.00	ug/L
74-97-5	Bromochloromethane	17.8		0.14	1.00	ug/L
67-66-3	Chloroform	18.8		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.9		0.14	1.00	ug/L
108-87-2	Methylcyclohexane	19.5		0.16	1.00	ug/L
71-43-2	Benzene	19.4		0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.5		0.16	1.00	ug/L
79-01-6	Trichloroethene	19.7		0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.4		0.15	1.00	ug/L
75-27-4	Bromodichloromethane	19.6		0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	98.6		0.74	5.00	ug/L
108-88-3	Toluene	19.3		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.2		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.7		0.15	1.00	ug/L



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrews St. Site	Date Received:	
Client Sample ID:	VX0913WBS01	SDG No.:	O4373
Lab Sample ID:	VX0913WBS01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037686.D	1		09/13/23 11:36	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	20.0		0.13	1.00	ug/L
591-78-6	2-Hexanone	99.8		0.98	5.00	ug/L
124-48-1	Dibromochloromethane	19.2		0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.4		0.13	1.00	ug/L
127-18-4	Tetrachloroethene	19.7		0.17	1.00	ug/L
108-90-7	Chlorobenzene	19.2		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.5		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.1		0.31	2.00	ug/L
95-47-6	o-Xylene	19.4		0.15	1.00	ug/L
100-42-5	Styrene	19.6		0.13	1.00	ug/L
75-25-2	Bromoform	19.5		0.15	1.00	ug/L
98-82-8	Isopropylbenzene	20.2		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.8		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.7		0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.2		0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.1		0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.2		0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.5		0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.6		0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.8		74 - 125	94%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	49.8		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		64 - 133	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	205000	5.556			
540-36-3	1,4-Difluorobenzene	352000	6.763			
3114-55-4	Chlorobenzene-d5	336000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	165000	12.024			



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

Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	
Project:	Andrews St. Site		Date Received:	
Client Sample ID:	VX0913WBS01		SDG No.:	O4373
Lab Sample ID:	VX0913WBS01		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:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037686.D	1		09/13/23 11:36	VX091323

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_X\Data\VX091323\
 Data File : VX037686.D
 Acq On : 13 Sep 2023 11:36
 Operator : JC/MD
 Sample : VX0913WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913WBS01

Quant Time: Sep 14 02:16:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/14/2023
 Supervised By : Mahesh Dadoda 09/14/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	205084	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	351519	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	336430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	165187	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	155321	46.810	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.620%		
35) Dibromofluoromethane	5.391	113	124587	50.003	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.000%		
50) Toluene-d8	8.647	98	468357	49.842	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.680%		
62) 4-Bromofluorobenzene	11.079	95	168774	49.783	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	42117	18.731	ug/l	96
3) Chloromethane	1.307	50	47079	18.379	ug/l	100
4) Vinyl Chloride	1.374	62	52353	18.169	ug/l	98
5) Bromomethane	1.599	94	41926	17.395	ug/l	96
6) Chloroethane	1.685	64	37263	18.808	ug/l	97
7) Trichlorofluoromethane	1.886	101	87048	18.259	ug/l	99
8) Diethyl Ether	2.136	74	34215	18.083	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.325	101	41391	19.368	ug/l	97
10) Methyl Iodide	2.453	142	48976	19.405	ug/l	94
11) Tert butyl alcohol	2.965	59	69653	94.665	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	39802	18.864	ug/l	89
13) Acrolein	2.240	56	48341	89.168	ug/l	99
14) Allyl chloride	2.666	41	68733	18.595	ug/l	96
15) Acrylonitrile	3.069	53	144375	94.877	ug/l	99
16) Acetone	2.380	43	132482	98.759	ug/l	91
17) Carbon Disulfide	2.514	76	91753	17.106	ug/l	99
18) Methyl Acetate	2.703	43	104985	18.532	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	152972	18.364	ug/l	98
20) Methylene Chloride	2.788	84	52358	19.407	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	45518	18.751	ug/l	90
22) Diisopropyl ether	3.764	45	149956	18.622	ug/l #	92
23) Vinyl Acetate	3.727	43	553482	94.233	ug/l	96
24) 1,1-Dichloroethane	3.611	63	87365	18.618	ug/l	99
25) 2-Butanone	4.562	43	202615	92.632	ug/l	93
26) 2,2-Dichloropropane	4.483	77	67388	20.645	ug/l	95
27) cis-1,2-Dichloroethene	4.495	96	56514	19.091	ug/l	91
28) Bromochloromethane	4.904	49	42300	17.843	ug/l	85
29) Tetrahydrofuran	5.007	42	128857	92.510	ug/l	91
30) Chloroform	5.099	83	95287	18.803	ug/l	98
31) Cyclohexane	5.471	56	70059	18.336	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	79854	18.933	ug/l	99
36) 1,1-Dichloropropene	5.696	75	63419	18.710	ug/l	97
37) Ethyl Acetate	4.721	43	73523	18.957	ug/l	96
38) Carbon Tetrachloride	5.678	117	66660	19.251	ug/l	98
39) Methylcyclohexane	7.379	83	78199	19.497	ug/l	94
40) Benzene	6.038	78	198845	19.351	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
 Data File : VX037686.D
 Acq On : 13 Sep 2023 11:36
 Operator : JC/MD
 Sample : VX0913WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913WBS01

Manual Integrations APPROVED

Reviewed By : John Carlone 09/14/2023
 Supervised By : Mahesh Dadoda 09/14/2023

Quant Time: Sep 14 02:16:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	39655	19.412	ug/l	91
42) 1,2-Dichloroethane	6.092	62	74342	18.511	ug/l	98
43) Isopropyl Acetate	6.342	43	119079	19.246	ug/l	96
44) Trichloroethene	7.129	130	50534	19.684	ug/l	99
45) 1,2-Dichloropropane	7.434	63	52538	19.374	ug/l	97
46) Dibromomethane	7.586	93	37990	19.257	ug/l	95
47) Bromodichloromethane	7.824	83	69767	19.589	ug/l	98
48) Methyl methacrylate	7.696	41	58147	19.441	ug/l	88
49) 1,4-Dioxane	7.665	88	31949	431.145	ug/l #	87
51) 4-Methyl-2-Pentanone	8.574	43	400741	98.636	ug/l	97
52) Toluene	8.720	92	127724	19.332	ug/l	95
53) t-1,3-Dichloropropene	8.982	75	69456	19.236	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	78220	19.742	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	55593	19.983	ug/l	94
56) Ethyl methacrylate	9.116	69	82076	19.282	ug/l	94
57) 1,3-Dichloropropane	9.311	76	89145	19.103	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	199885	96.849	ug/l	100
59) 2-Hexanone	9.433	43	313029	99.815	ug/l	95
60) Dibromochloromethane	9.525	129	52572	19.239	ug/l	100
61) 1,2-Dibromoethane	9.610	107	57990	19.392	ug/l	99
64) Tetrachloroethene	9.275	164	43015	19.734	ug/l	95
65) Chlorobenzene	10.080	112	138017	19.247	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	50406	20.396	ug/l	98
67) Ethyl Benzene	10.195	91	248660	19.486	ug/l	99
68) m/p-Xylenes	10.299	106	190288	39.107	ug/l	99
69) o-Xylene	10.640	106	94339	19.446	ug/l	99
70) Styrene	10.653	104	155121	19.599	ug/l	97
71) Bromoform	10.799	173	37785	19.539	ug/l #	100
73) Isopropylbenzene	10.964	105	249369	20.163	ug/l	99
74) N-amyl acetate	10.842	43	106942	19.830	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.214	83	91609	19.794	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	72895m	20.073	ug/l	
77) Bromobenzene	11.201	156	60392	20.606	ug/l	92
78) n-propylbenzene	11.305	91	283433	19.920	ug/l	99
79) 2-Chlorotoluene	11.366	91	175280	20.013	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	214201	20.608	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	22983	19.237	ug/l	97
82) 4-Chlorotoluene	11.457	91	197031	19.693	ug/l	98
83) tert-Butylbenzene	11.713	119	214328	20.526	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	213310	20.356	ug/l	98
85) sec-Butylbenzene	11.890	105	259819	20.155	ug/l	100
86) p-Isopropyltoluene	12.006	119	215125	20.365	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	110696	19.671	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	111300	19.244	ug/l	98
89) n-Butylbenzene	12.329	91	185874	19.428	ug/l	97
90) Hexachloroethane	12.536	117	35498	19.915	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	113208	20.107	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18286	19.242	ug/l	82
93) 1,2,4-Trichlorobenzene	13.585	180	65397	19.503	ug/l	96
94) Hexachlorobutadiene	13.725	225	29703	21.206	ug/l	98
95) Naphthalene	13.774	128	235525	19.391	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	67403	19.592	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037686.D
Acq On : 13 Sep 2023 11:36
Operator : JC/MD
Sample : VX0913WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01

Quant Time: Sep 14 02:16:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023

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

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

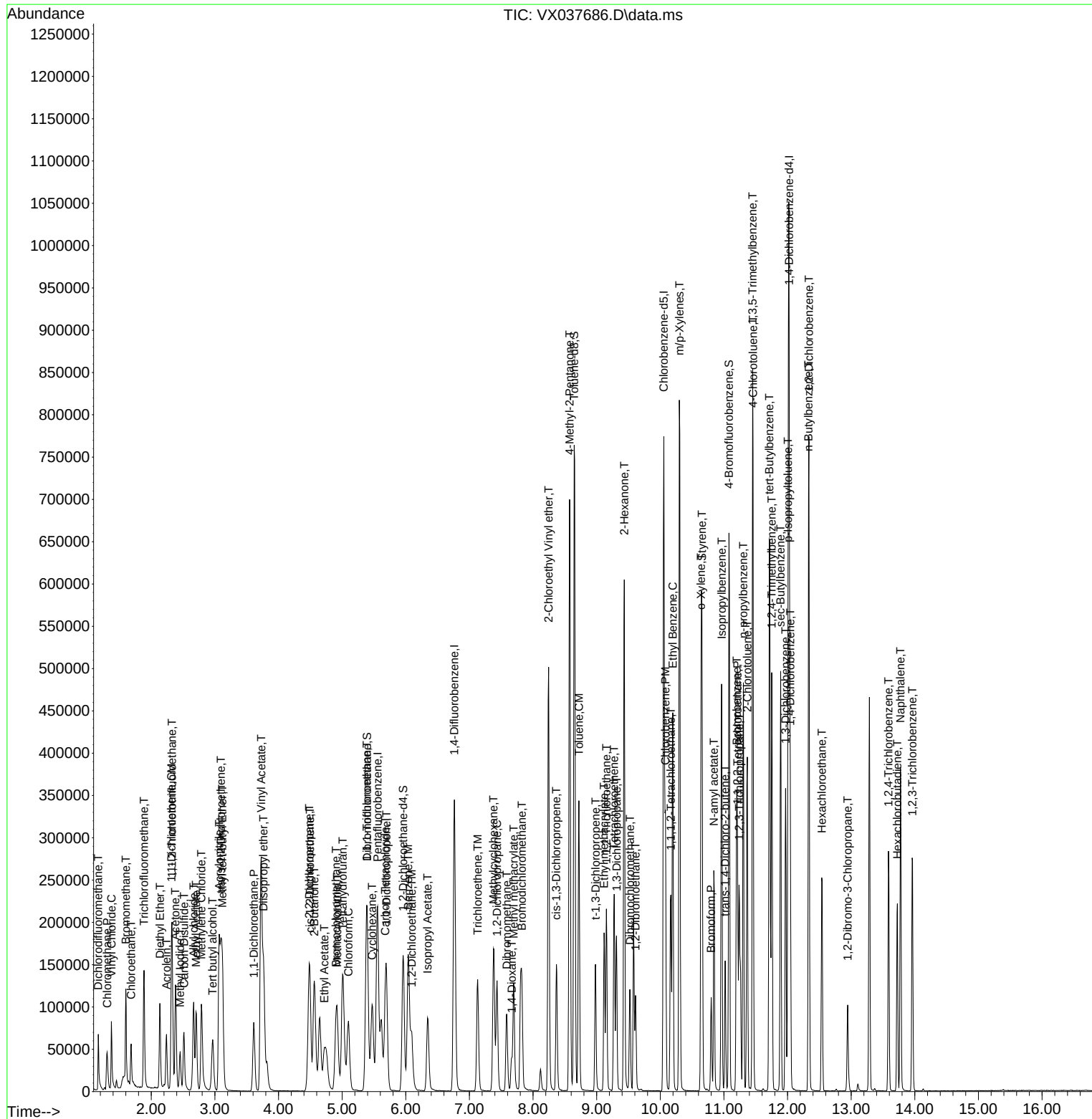
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037686.D
Acq On : 13 Sep 2023 11:36
Operator : JC/MD
Sample : VX0913WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

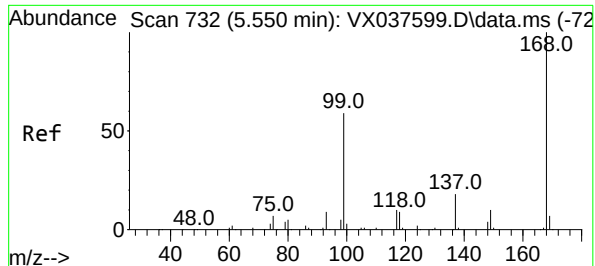
Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01

Manual Integrations

Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023

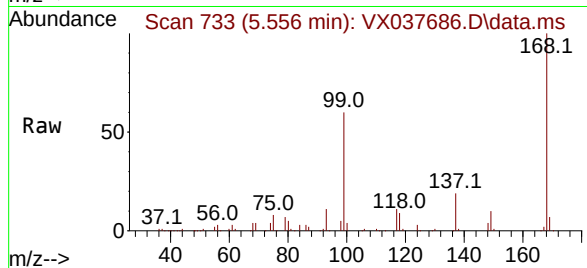
Quant Time: Sep 14 02:16:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037686.D
Acq: 13 Sep 2023 11:36

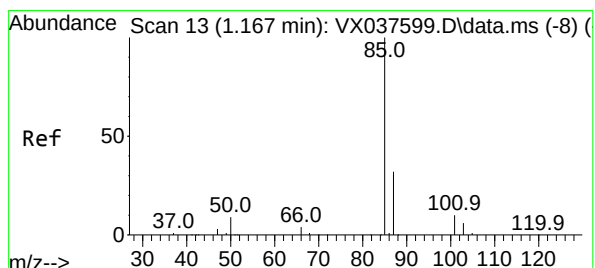
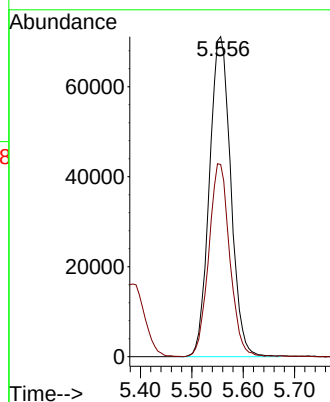
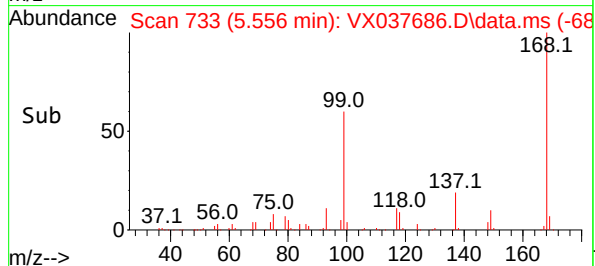
Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01



Tgt Ion:168 Resp: 205084
Ion Ratio Lower Upper
168 100
99 60.0 56.6 85.0

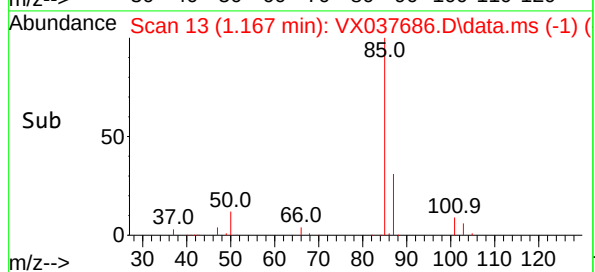
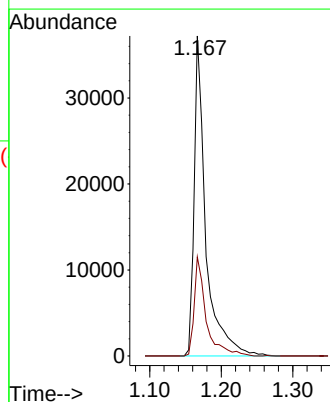
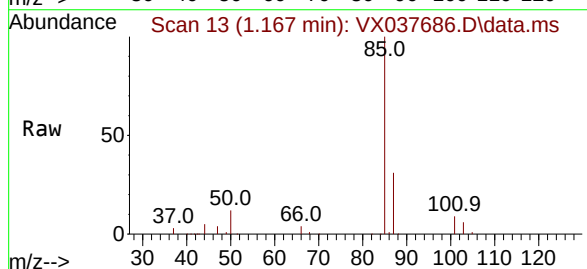
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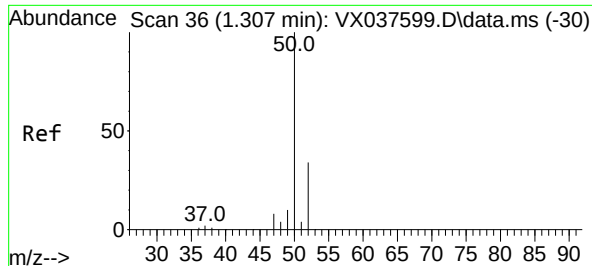
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#2
Dichlorodifluoromethane
Concen: 18.731 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX037686.D
Acq: 13 Sep 2023 11:36

Tgt Ion: 85 Resp: 42117
Ion Ratio Lower Upper
85 100
87 31.0 16.7 50.1





#3

Chloromethane

Concen: 18.379 ug/l

RT: 1.307 min Scan# 30

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion: 50 Resp: 47079

Ion Ratio Lower Upper

50 100

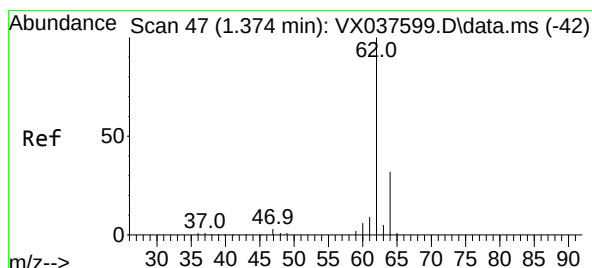
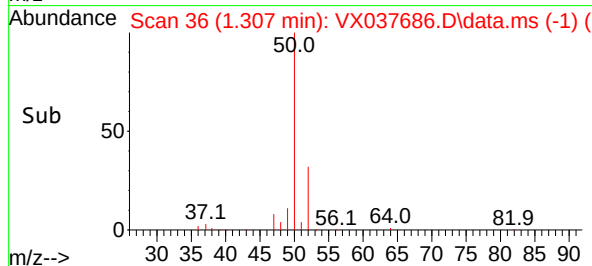
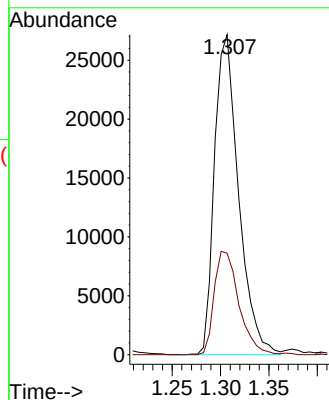
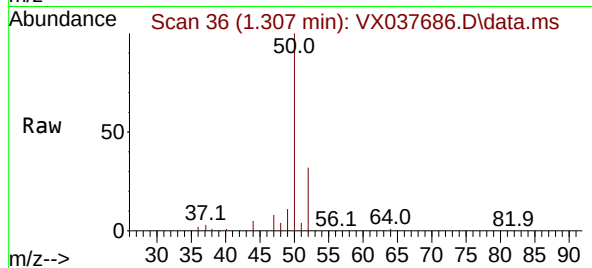
52 31.7 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#4

Vinyl Chloride

Concen: 18.169 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX037686.D

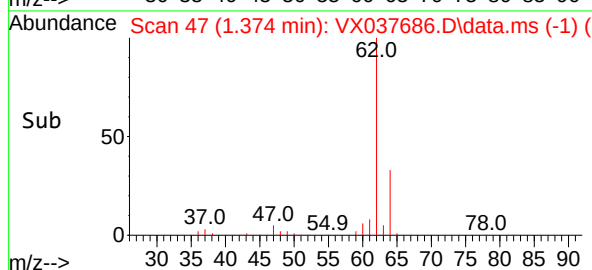
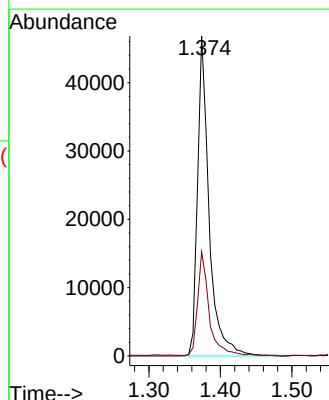
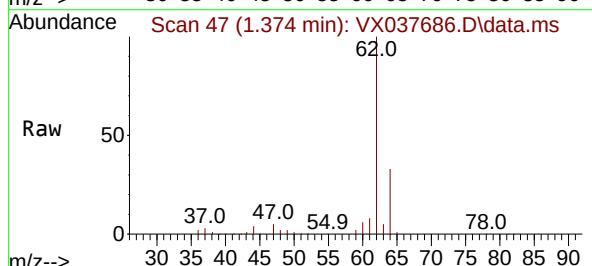
Acq: 13 Sep 2023 11:36

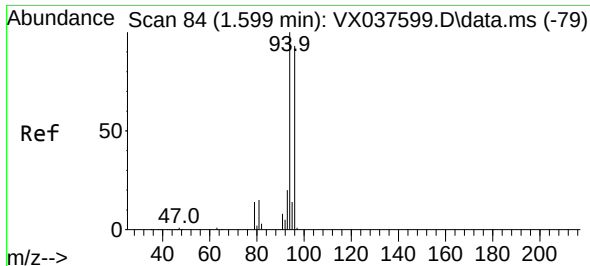
Tgt Ion: 62 Resp: 52353

Ion Ratio Lower Upper

62 100

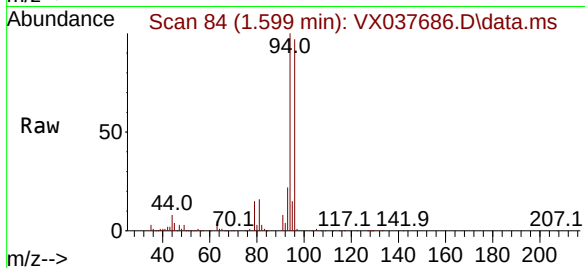
64 32.6 25.4 38.0





#5
Bromomethane
Concen: 17.395 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX037686.D
Acq: 13 Sep 2023 11:36

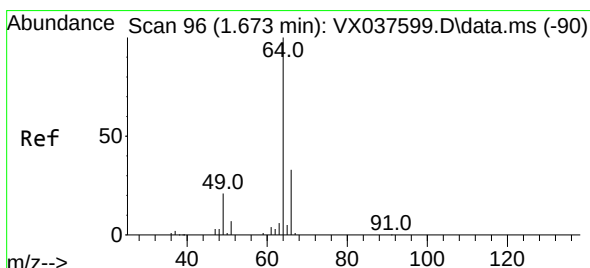
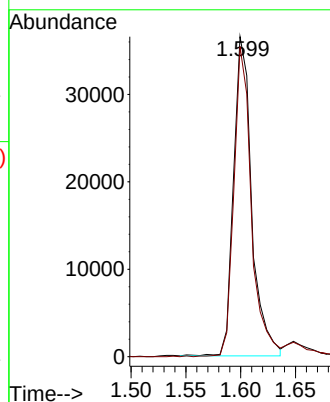
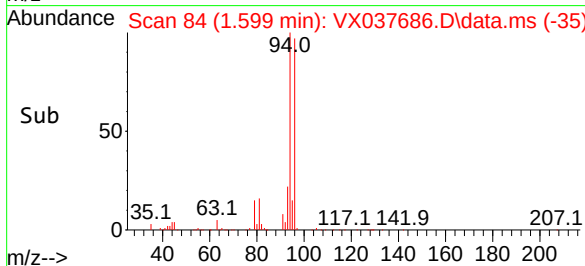
Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01



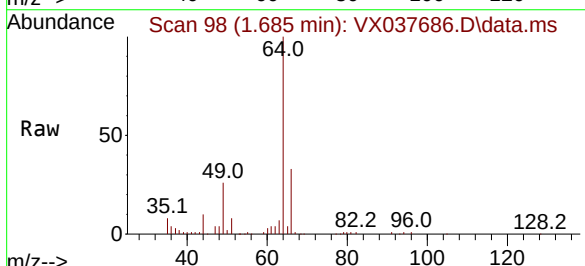
Tgt Ion: 94 Resp: 41920
Ion Ratio Lower Upper
94 100
96 97.1 74.6 111.8

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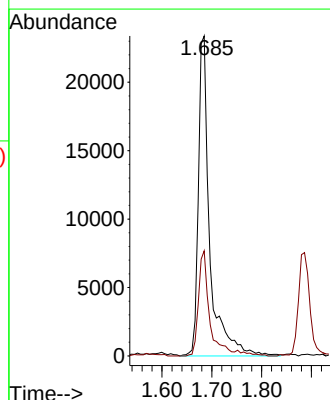
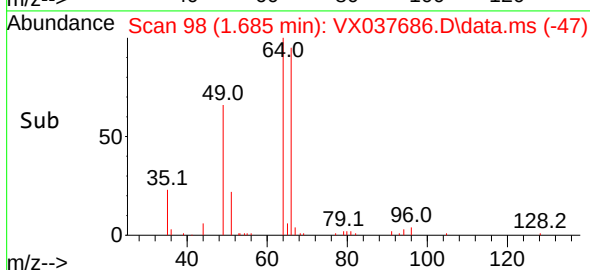
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023

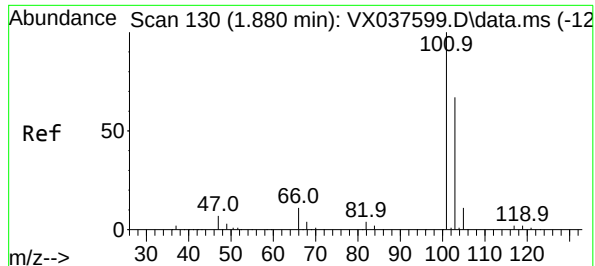


#6
Chloroethane
Concen: 18.808 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.012 min
Lab File: VX037686.D
Acq: 13 Sep 2023 11:36



Tgt Ion: 64 Resp: 37263
Ion Ratio Lower Upper
64 100
66 32.8 25.1 37.7





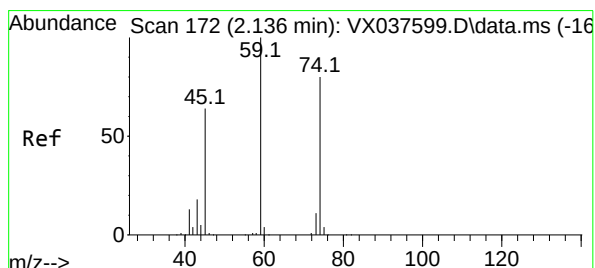
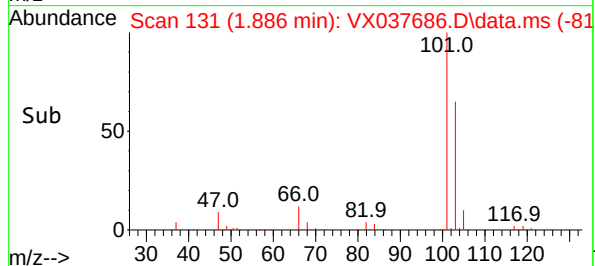
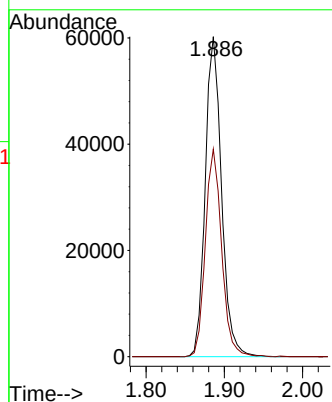
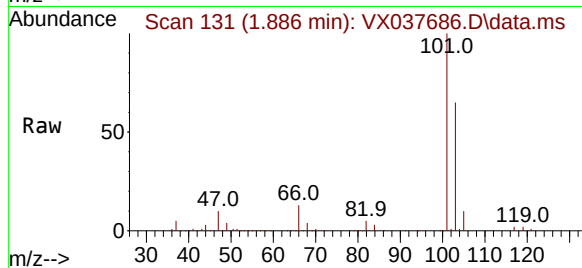
#7
Trichlorofluoromethane
Concen: 18.259 ug/l
RT: 1.886 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037686.D
Acq: 13 Sep 2023 11:36

Instrument :
MSVOA_X
Client Sample Id :
VX0913WBS01

Tgt Ion: 101 Resp: 8704
Ion Ratio Lower Upper
101 100
103 64.8 51.4 77.2

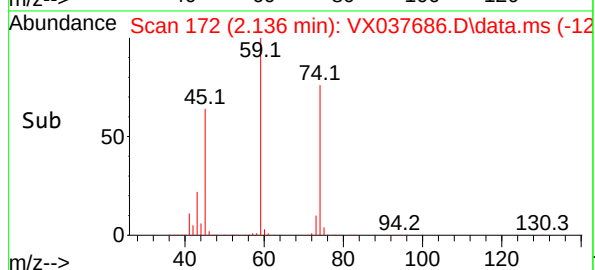
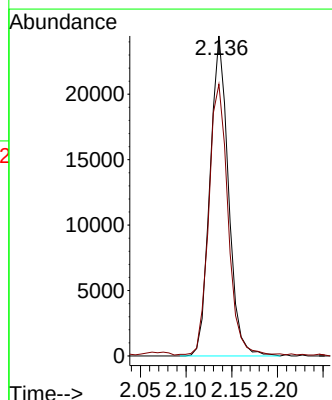
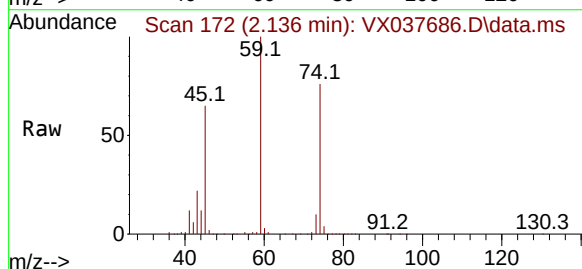
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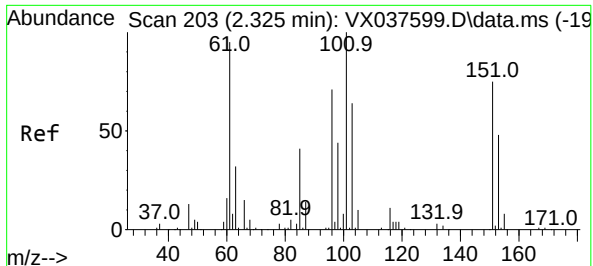
Reviewed By : John Carlone 09/14/2023
Supervised By : Mahesh Dadoda 09/14/2023



#8
Diethyl Ether
Concen: 18.083 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX037686.D
Acq: 13 Sep 2023 11:36

Tgt Ion: 74 Resp: 34215
Ion Ratio Lower Upper
74 100
45 87.9 53.3 159.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.368 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion:101 Resp: 4139

Ion Ratio Lower Upper

101 100

85 46.9 37.0 55.6

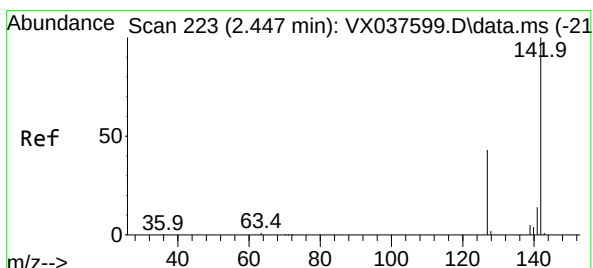
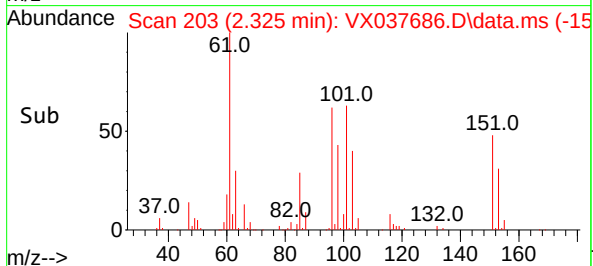
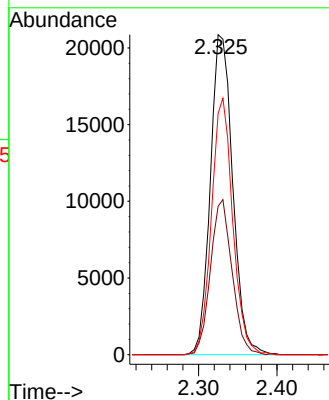
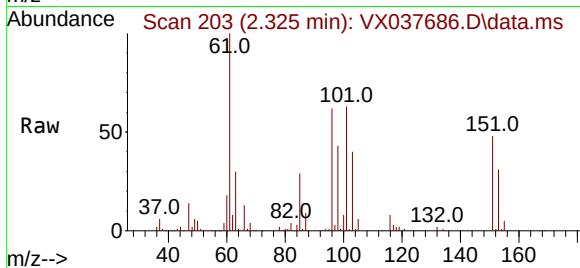
151 76.5 58.6 87.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#10

Methyl Iodide

Concen: 19.405 ug/l

RT: 2.453 min Scan# 224

Delta R.T. 0.006 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

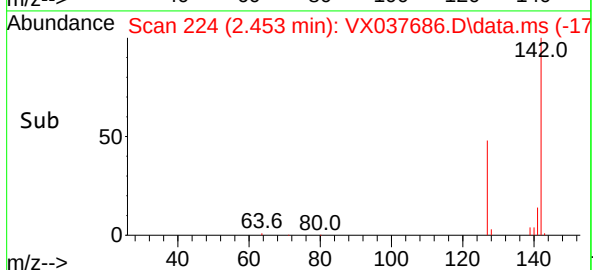
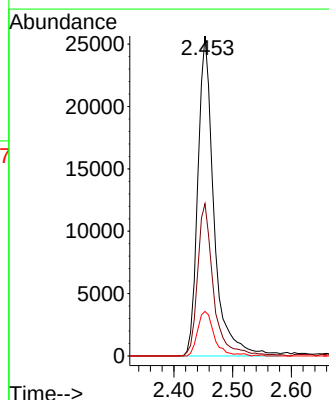
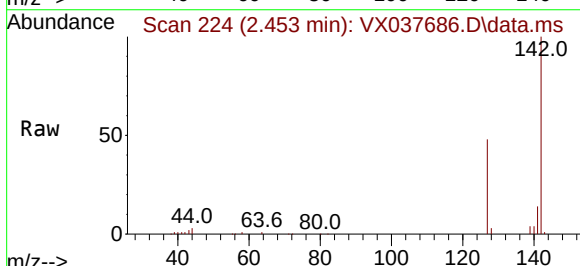
Tgt Ion:142 Resp: 48976

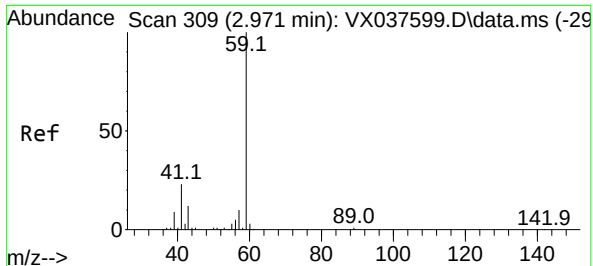
Ion Ratio Lower Upper

142 100

127 46.7 41.6 62.4

141 14.4 11.6 17.4





#11

Tert butyl alcohol

Concen: 94.665 ug/l

RT: 2.965 min Scan# 309

Delta R.T. -0.006 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion: 59 Resp: 6965

Ion Ratio Lower Upper

59 100

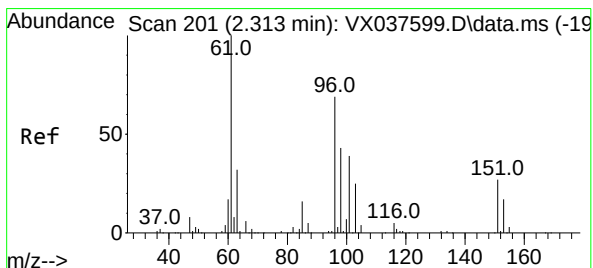
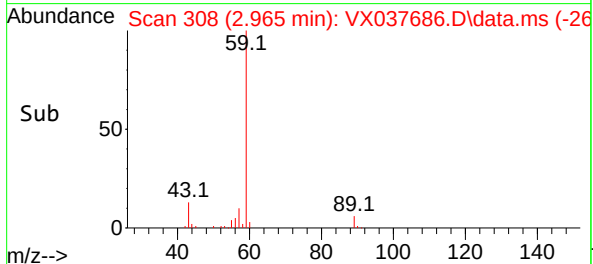
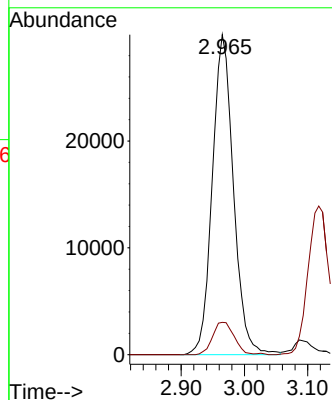
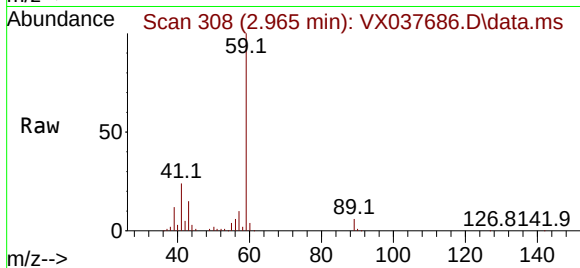
57 10.4 6.0 9.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#12

1,1-Dichloroethene

Concen: 18.864 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

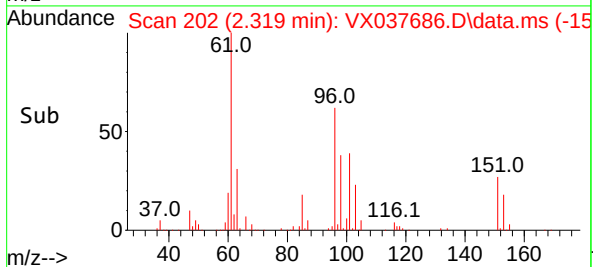
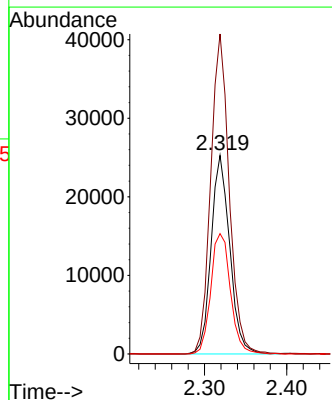
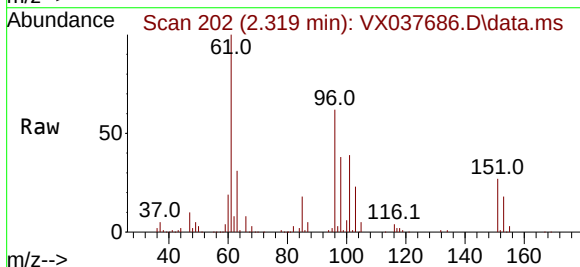
Tgt Ion: 96 Resp: 39802

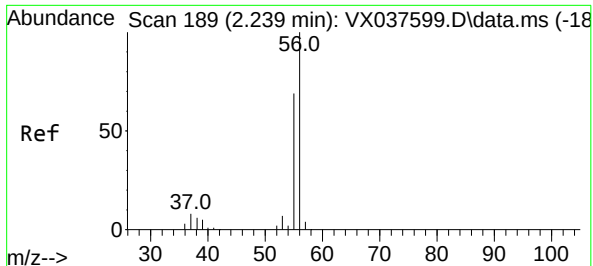
Ion Ratio Lower Upper

96 100

61 161.1 144.6 216.8

98 60.6 50.4 75.6





#13

Acrolein

Concen: 89.168 ug/l

RT: 2.240 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion: 56 Resp: 4834

Ion Ratio Lower Upper

56 100

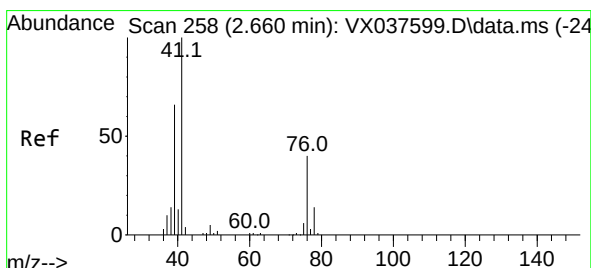
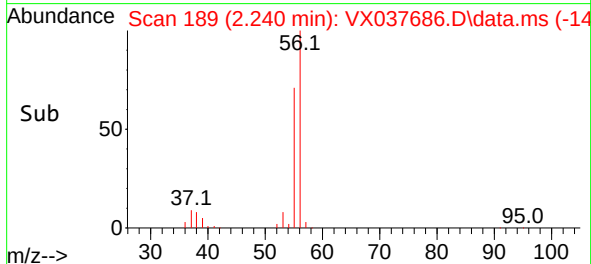
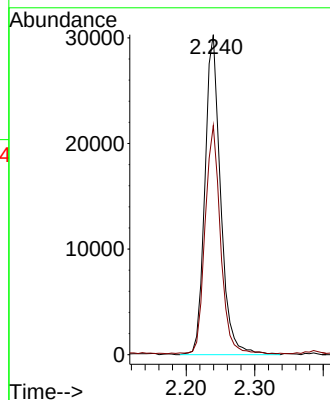
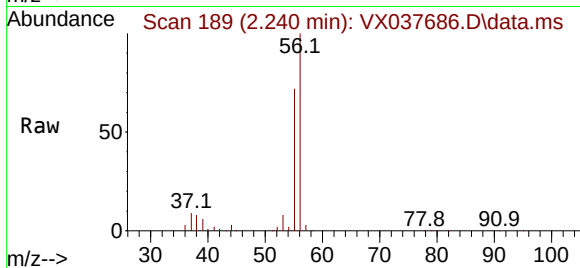
55 70.5 57.1 85.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#14

Allyl chloride

Concen: 18.595 ug/l

RT: 2.666 min Scan# 259

Delta R.T. 0.006 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

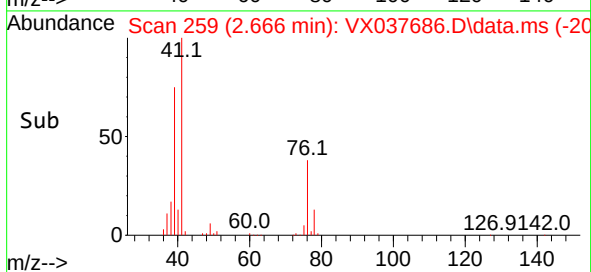
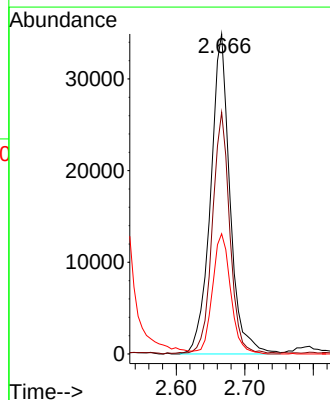
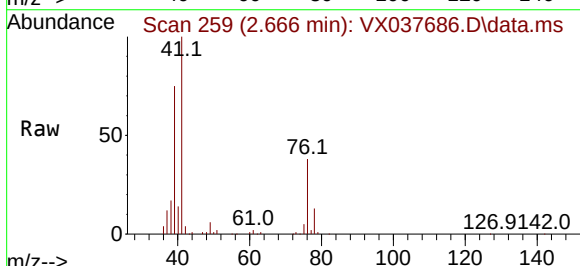
Tgt Ion: 41 Resp: 68733

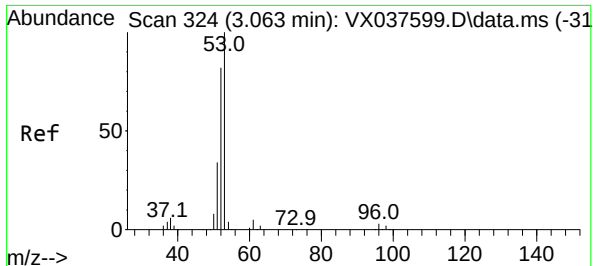
Ion Ratio Lower Upper

41 100

39 68.4 55.8 83.6

76 35.3 24.3 36.5





#15

Acrylonitrile

Concen: 94.877 ug/l

RT: 3.069 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion: 53 Resp: 144375

Ion Ratio Lower Upper

53 100

52 82.6 66.0 99.0

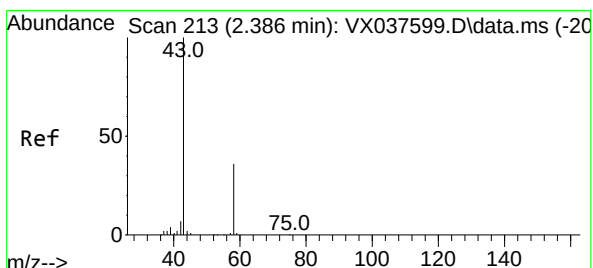
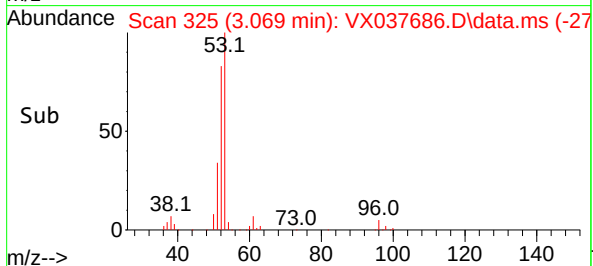
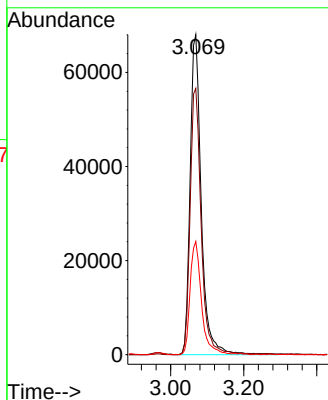
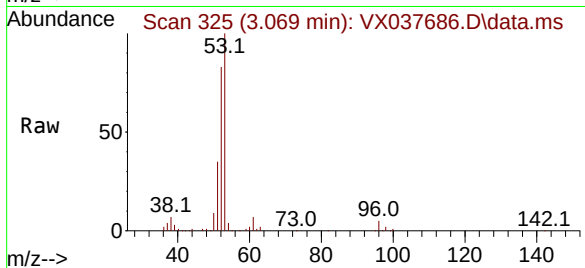
51 36.3 29.8 44.6

Manual Integrations

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Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#16

Acetone

Concen: 98.759 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX037686.D

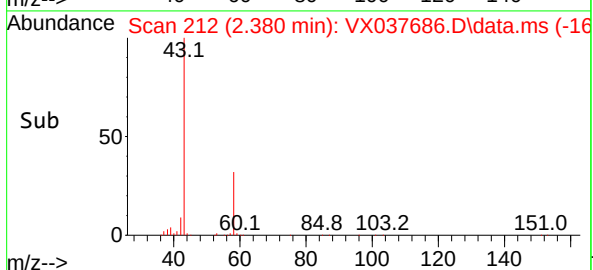
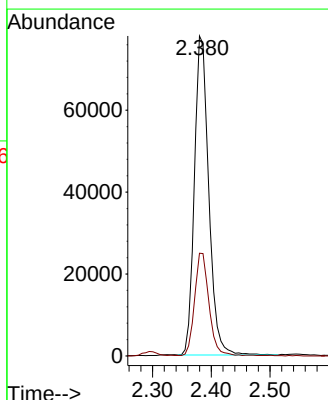
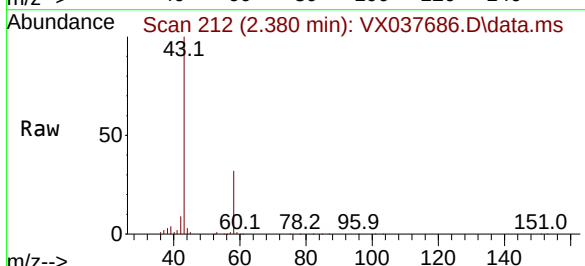
Acq: 13 Sep 2023 11:36

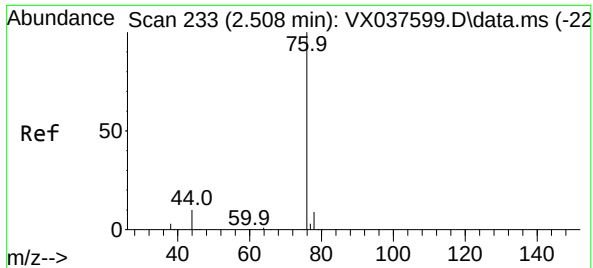
Tgt Ion: 43 Resp: 132482

Ion Ratio Lower Upper

43 100

58 32.1 21.9 32.9





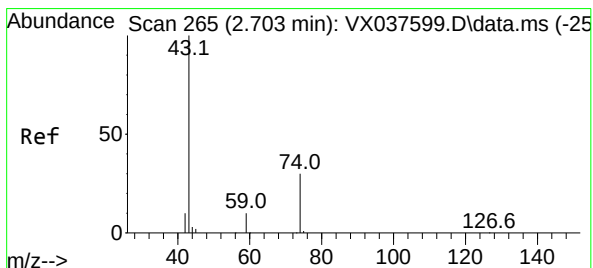
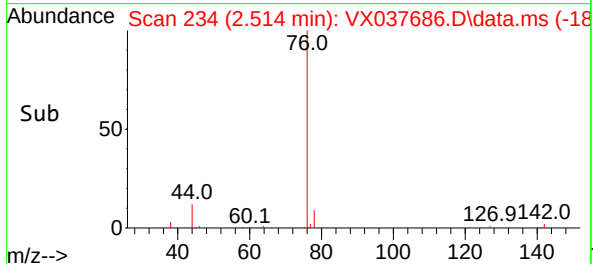
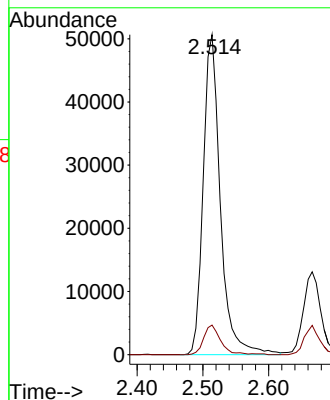
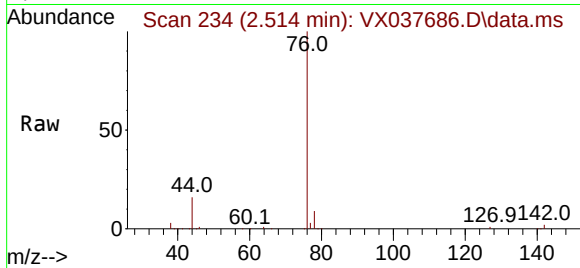
#17
Carbon Disulfide
Concen: 17.106 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX037686.D
Acq: 13 Sep 2023 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01

Tgt Ion: 76 Resp: 9175
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6

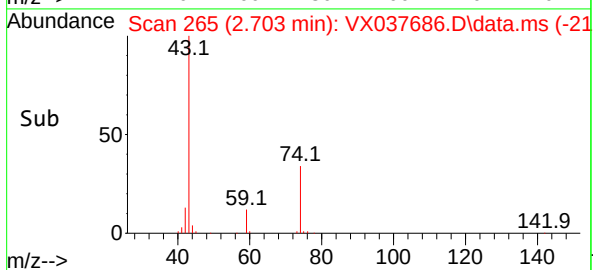
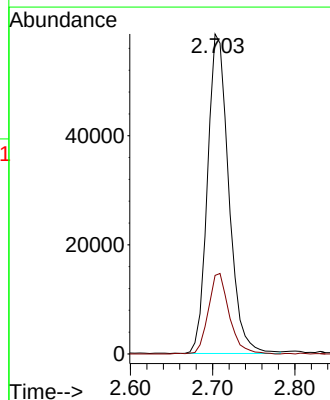
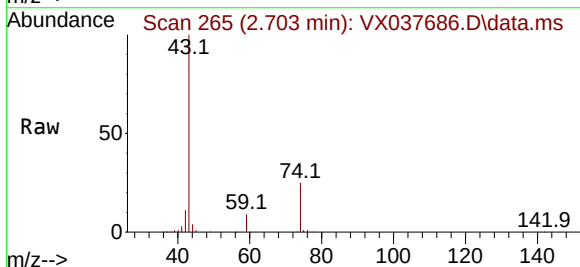
Manual Integrations
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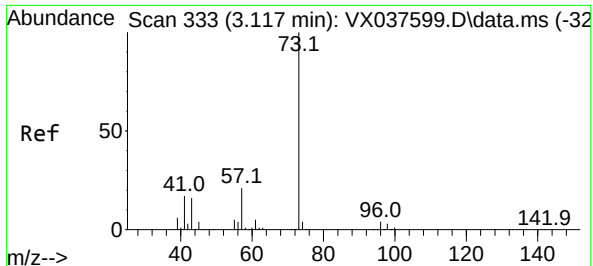
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#18
Methyl Acetate
Concen: 18.532 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX037686.D
Acq: 13 Sep 2023 11:36

Tgt Ion: 43 Resp: 104985
Ion Ratio Lower Upper
43 100
74 24.9 17.8 26.8





#19

Methyl tert-butyl Ether

Concen: 18.364 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion: 73 Resp: 15297

Ion Ratio Lower Upper

73 100

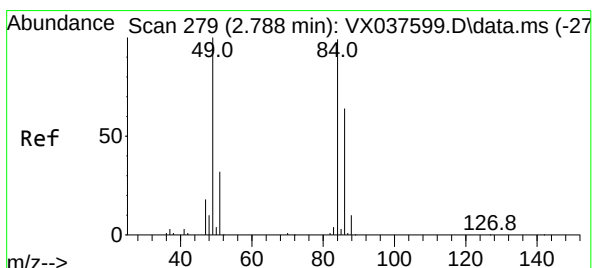
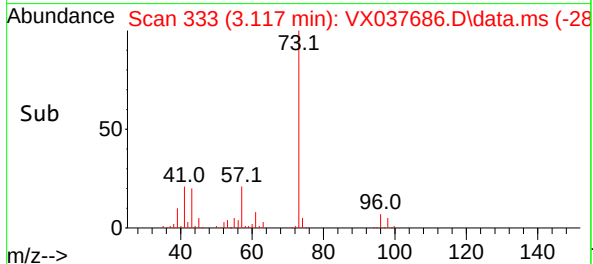
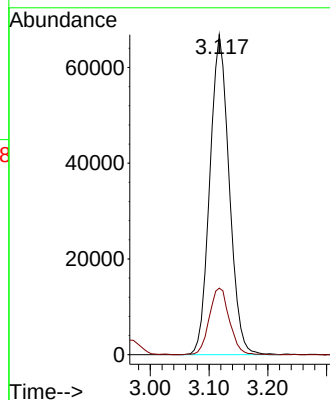
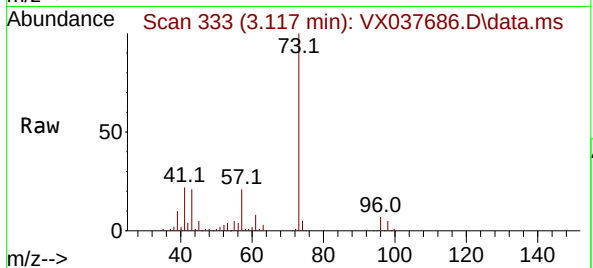
57 20.8 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#20

Methylene Chloride

Concen: 19.407 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Tgt Ion: 84 Resp: 52358

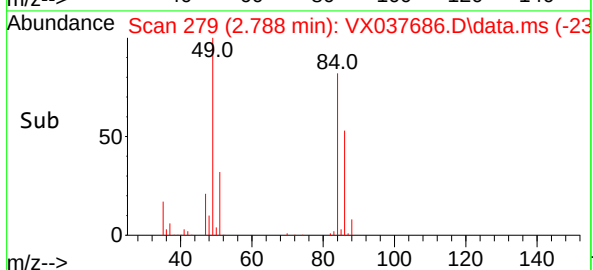
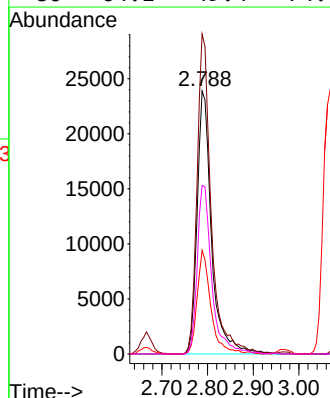
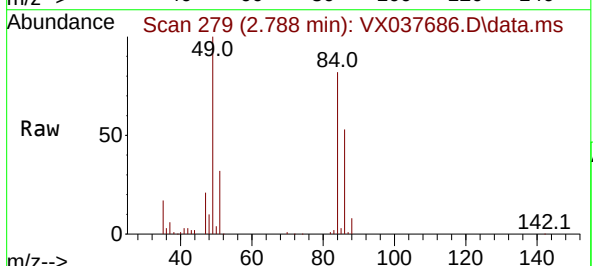
Ion Ratio Lower Upper

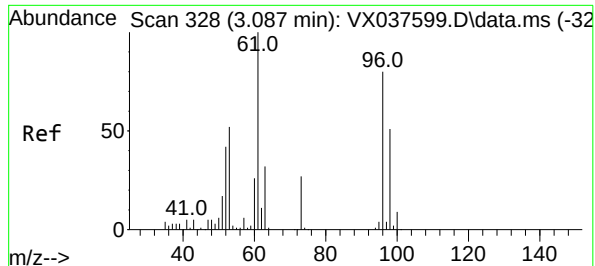
84 100

49 121.7 103.6 155.4

51 39.4 33.8 50.6

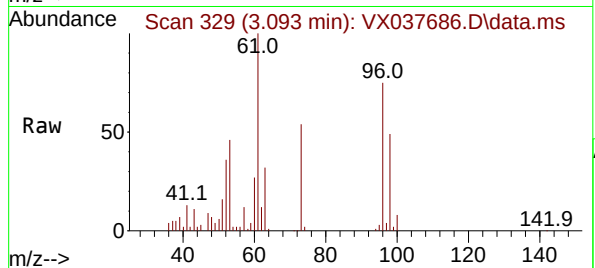
86 64.1 49.4 74.0





#21
trans-1,2-Dichloroethene
Concen: 18.751 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX037686.D
Acq: 13 Sep 2023 11:36

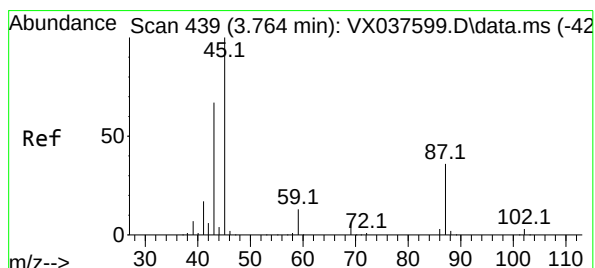
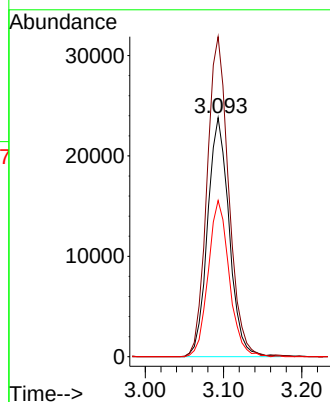
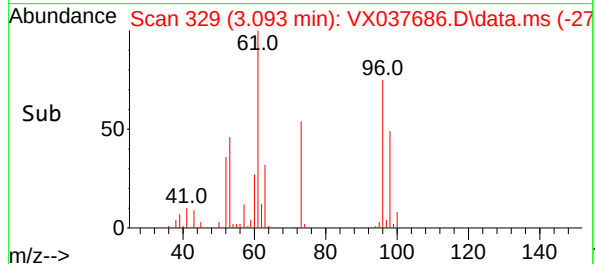
Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01



Tgt Ion: 96 Resp: 45518
Ion Ratio Lower Upper
96 100
61 133.9 119.2 178.8
98 65.3 48.7 73.1

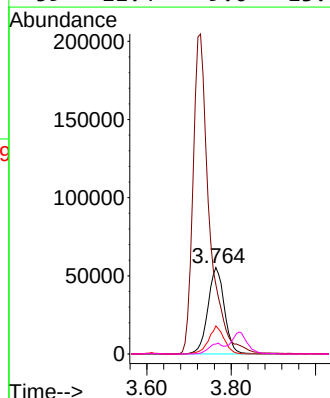
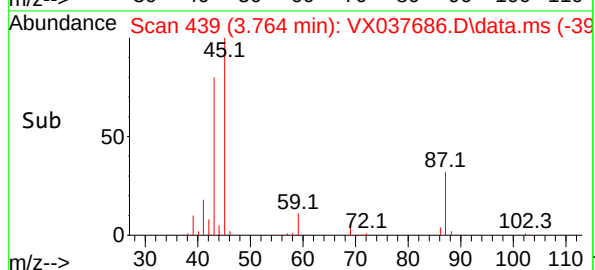
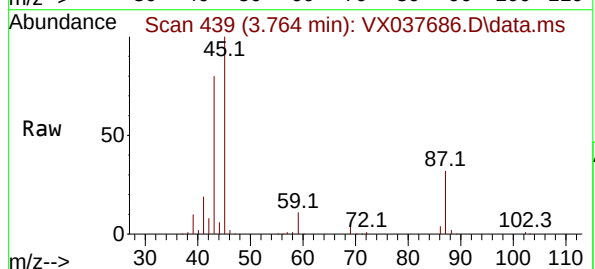
Manual Integrations
APPROVED

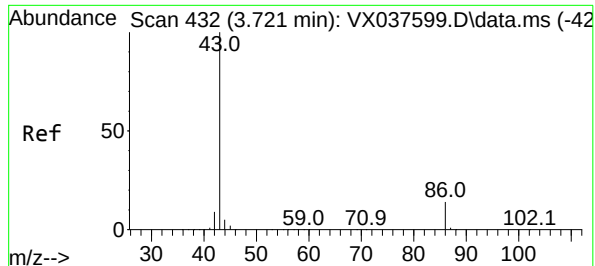
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#22
Diisopropyl ether
Concen: 18.622 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX037686.D
Acq: 13 Sep 2023 11:36

Tgt Ion: 45 Resp: 149956
Ion Ratio Lower Upper
45 100
43 79.7 69.7 104.5
87 32.3 20.8 31.2#
59 11.4 9.0 13.4





#23

Vinyl Acetate

Concen: 94.233 ug/l

RT: 3.727 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion: 43 Resp: 55348

Ion Ratio Lower Upper

43 100

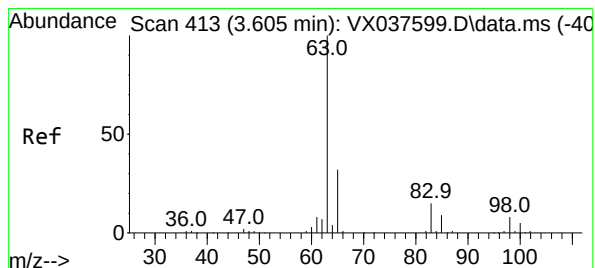
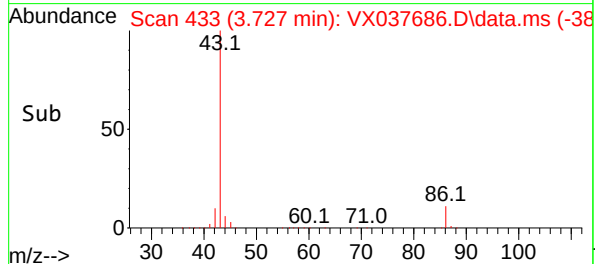
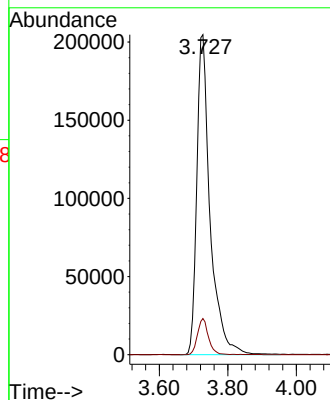
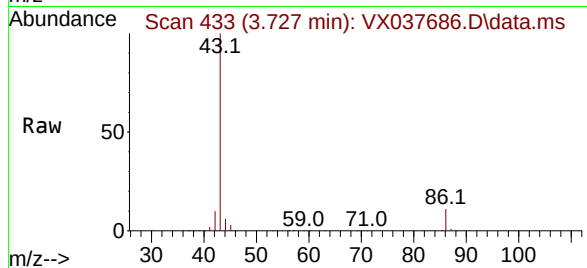
86 11.3 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#24

1,1-Dichloroethane

Concen: 18.618 ug/l

RT: 3.611 min Scan# 414

Delta R.T. 0.006 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

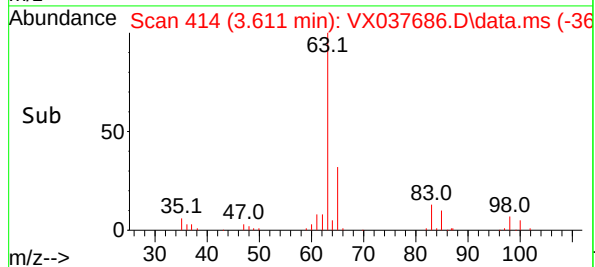
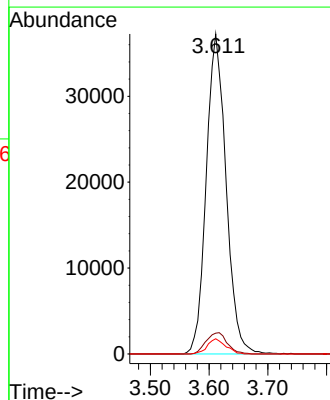
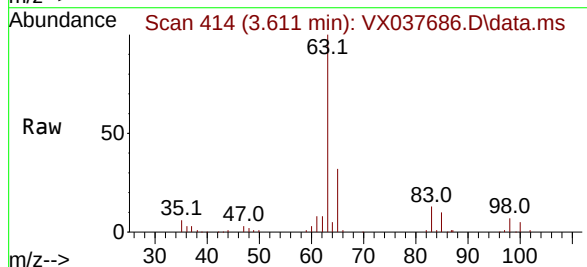
Tgt Ion: 63 Resp: 87365

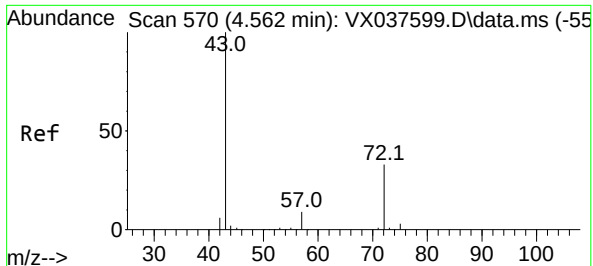
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.8 2.1 6.5





#25

2-Butanone

Concen: 92.632 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion: 43 Resp: 20261

Ion Ratio Lower Upper

43 100

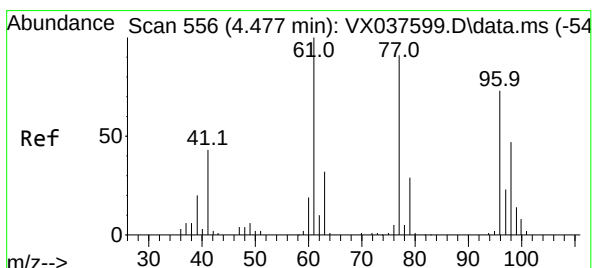
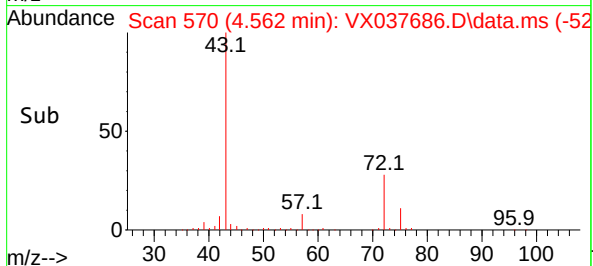
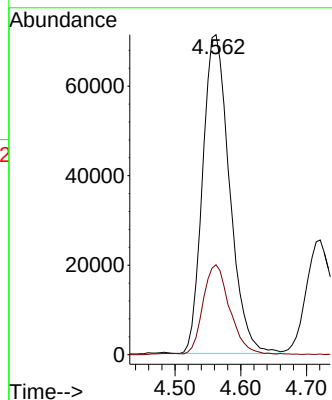
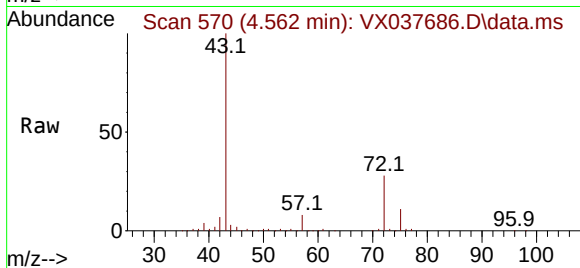
72 27.9 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#26

2,2-Dichloropropane

Concen: 20.645 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.006 min

Lab File: VX037686.D

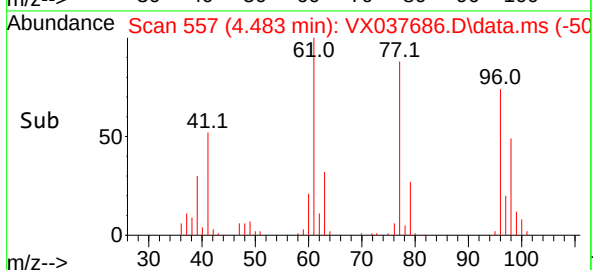
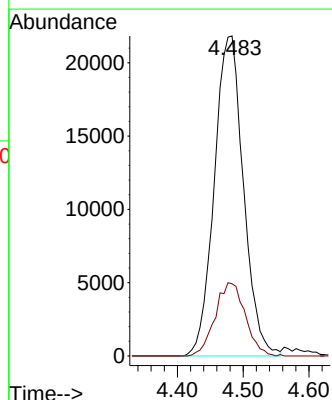
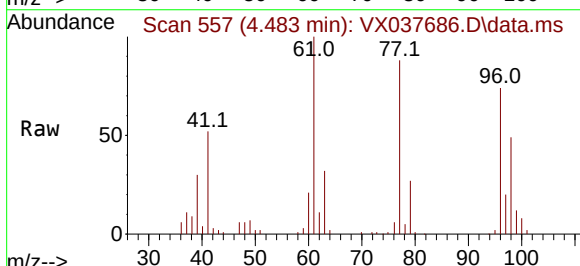
Acq: 13 Sep 2023 11:36

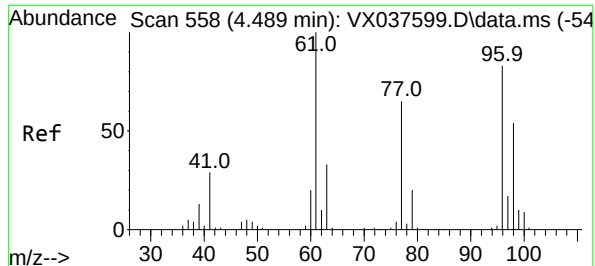
Tgt Ion: 77 Resp: 67388

Ion Ratio Lower Upper

77 100

97 23.6 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 19.091 ug/l

RT: 4.495 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion: 96 Resp: 56514

Ion Ratio Lower Upper

96 100

61 139.3 0.0 312.2

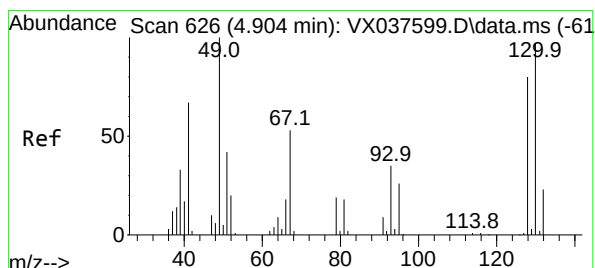
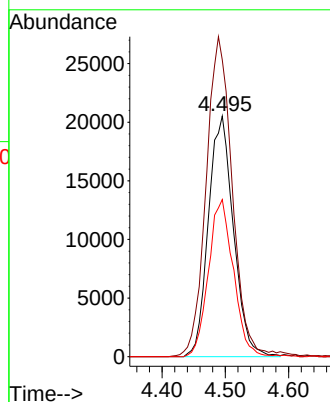
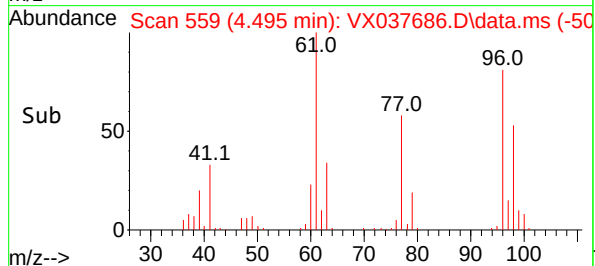
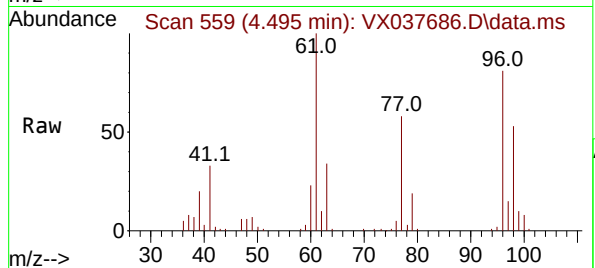
98 64.7 0.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#28

Bromochloromethane

Concen: 17.843 ug/l

RT: 4.904 min Scan# 626

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

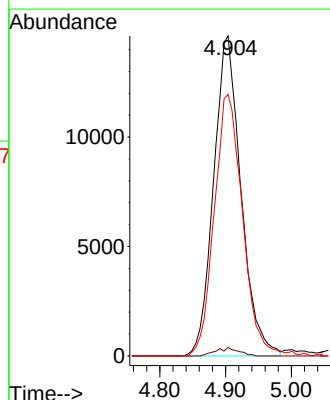
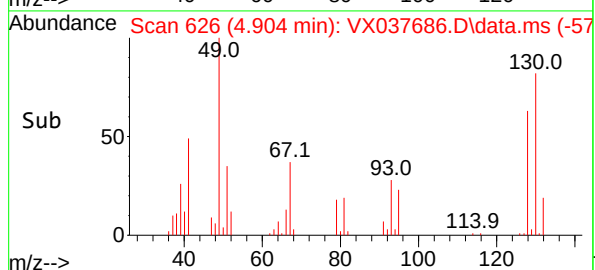
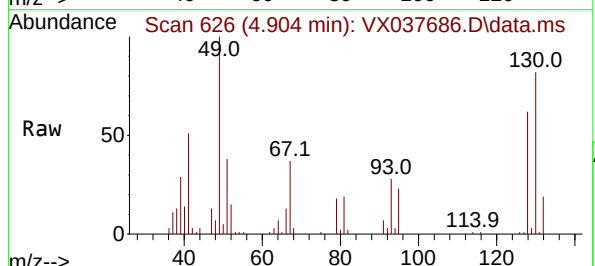
Tgt Ion: 49 Resp: 42300

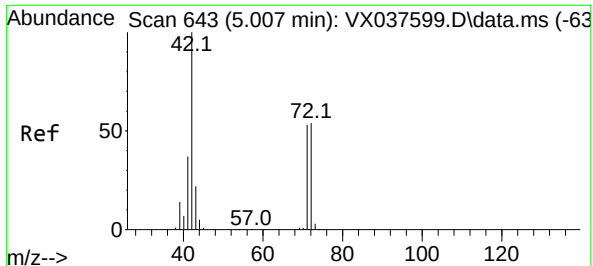
Ion Ratio Lower Upper

49 100

129 2.2 0.0 3.8

130 85.0 57.5 86.3





#29

Tetrahydrofuran

Concen: 92.510 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion: 42 Resp: 12885

Ion Ratio Lower Upper

42 100

72 49.0 34.2 51.4

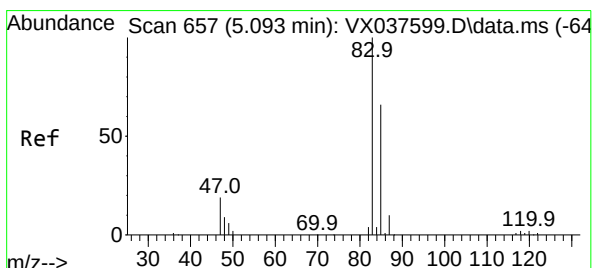
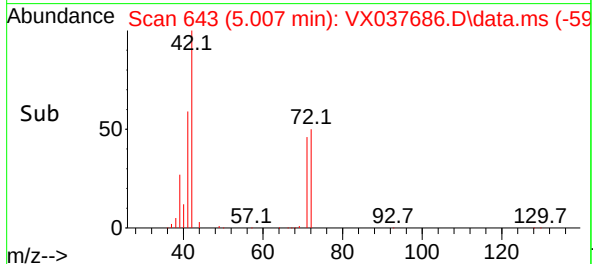
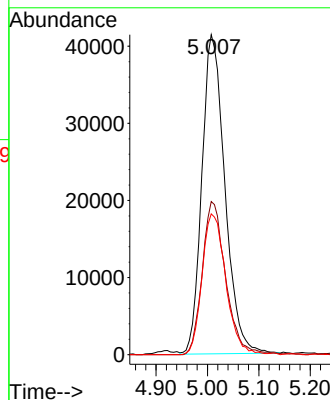
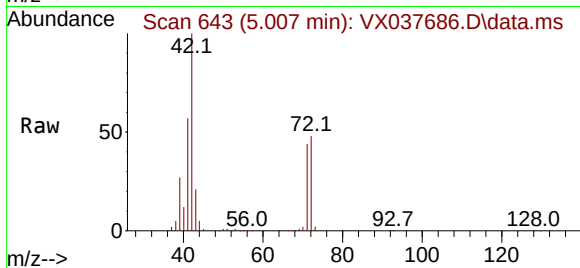
71 45.5 32.2 48.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#30

Chloroform

Concen: 18.803 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.006 min

Lab File: VX037686.D

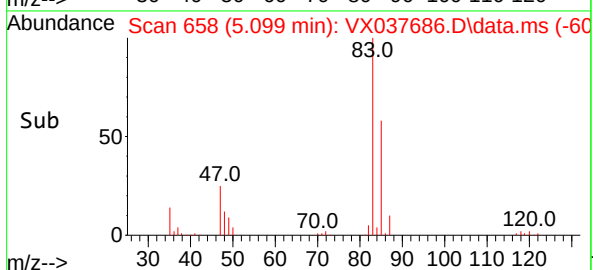
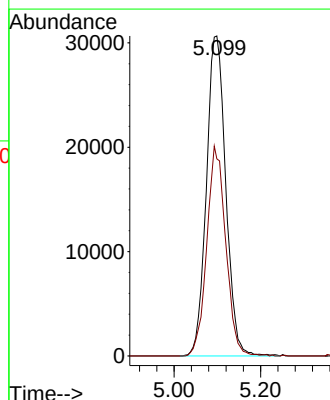
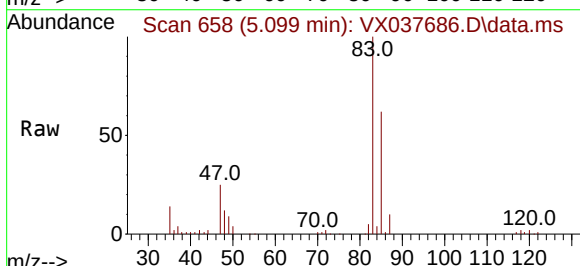
Acq: 13 Sep 2023 11:36

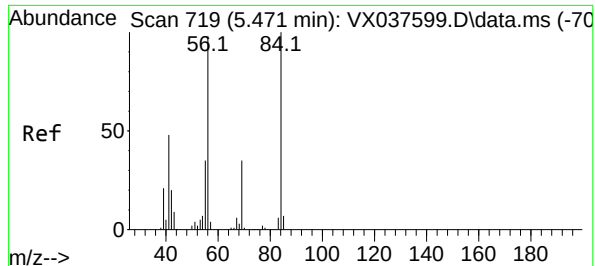
Tgt Ion: 83 Resp: 95287

Ion Ratio Lower Upper

83 100

85 61.6 50.3 75.5





#31

Cyclohexane

Concen: 18.336 ug/l

RT: 5.471 min Scan# 719

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion: 56 Resp: 70059

Ion Ratio Lower Upper

56 100

69 34.7 23.4 35.2

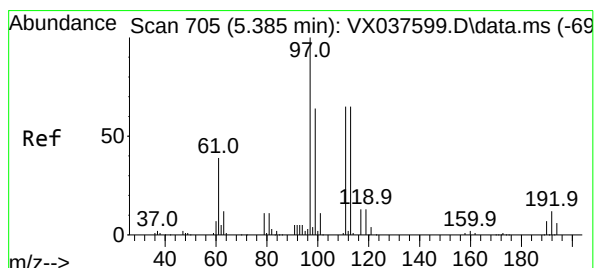
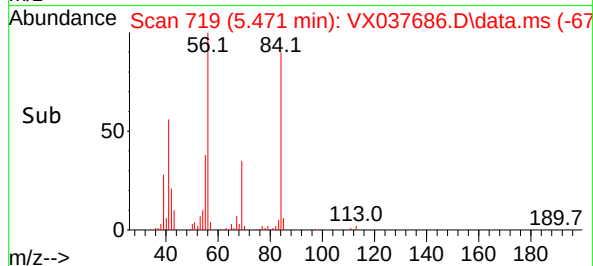
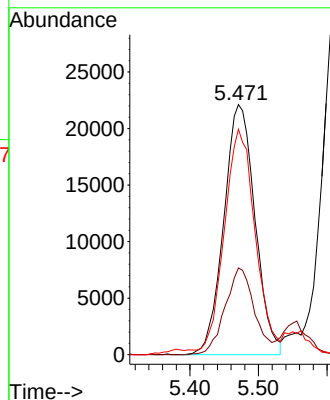
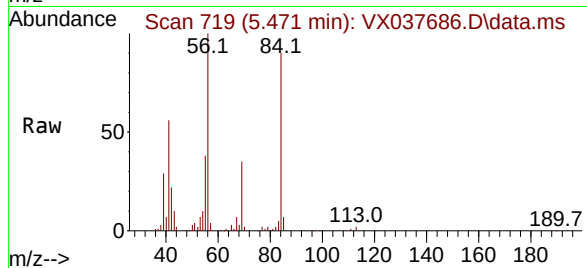
84 88.2 65.9 98.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#32

1,1,1-Trichloroethane

Concen: 18.933 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

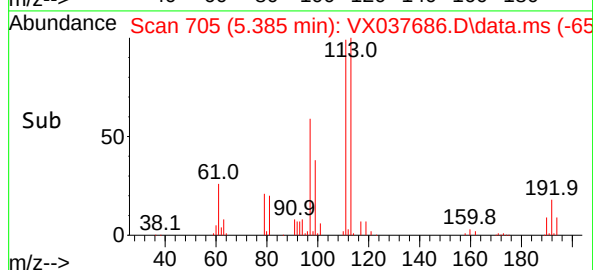
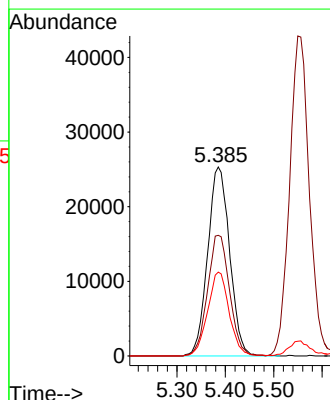
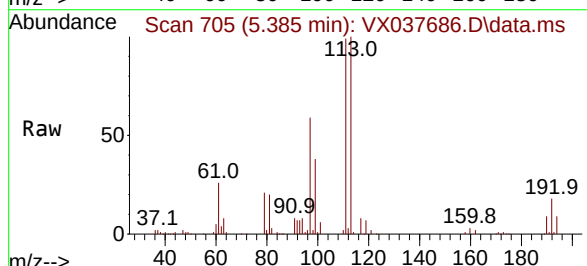
Tgt Ion: 97 Resp: 79854

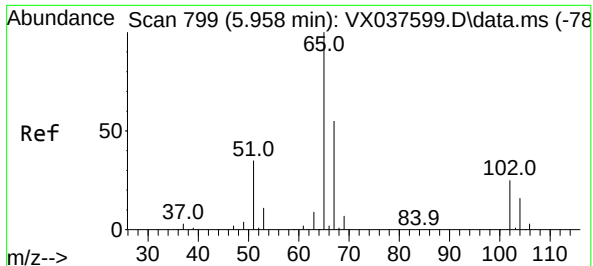
Ion Ratio Lower Upper

97 100

99 63.9 51.1 76.7

61 43.4 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 46.810 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion: 65 Resp: 15532

Ion Ratio Lower Upper

65 100

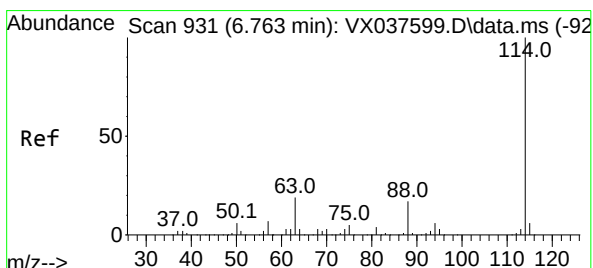
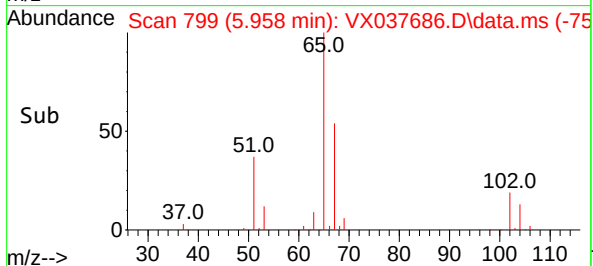
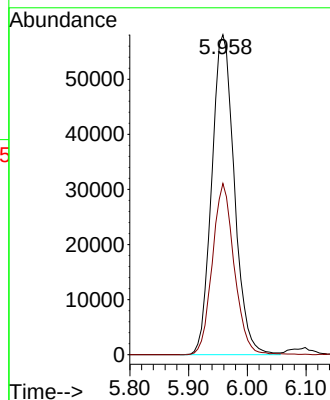
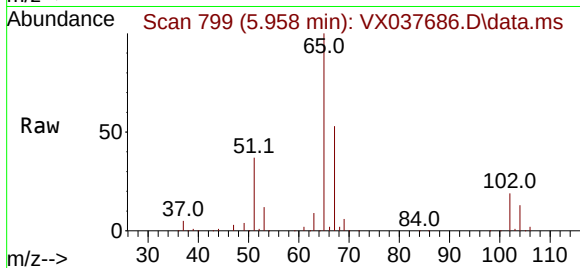
67 51.8 0.0 100.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

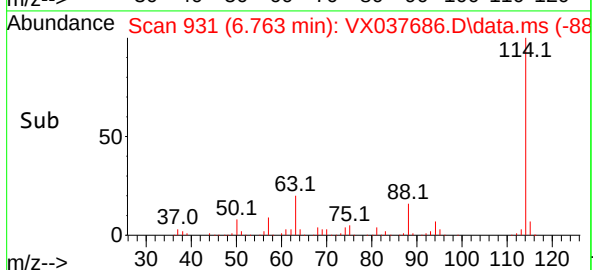
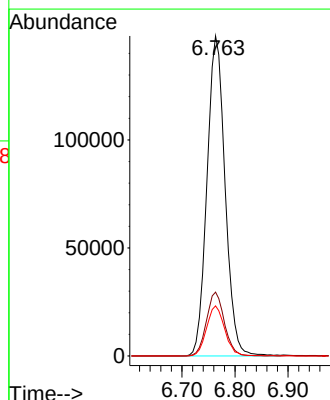
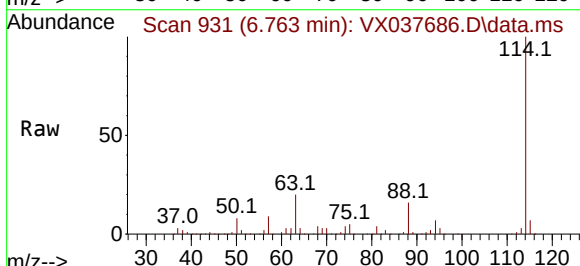
Tgt Ion:114 Resp: 351519

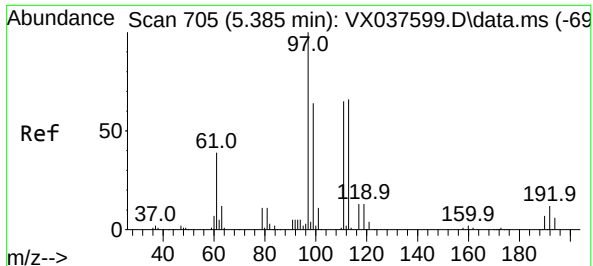
Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.0

88 15.6 0.0 36.6





#35

Dibromofluoromethane

Concen: 50.003 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion:113 Resp: 12458

Ion Ratio Lower Upper

113 100

111 103.0 82.9 124.3

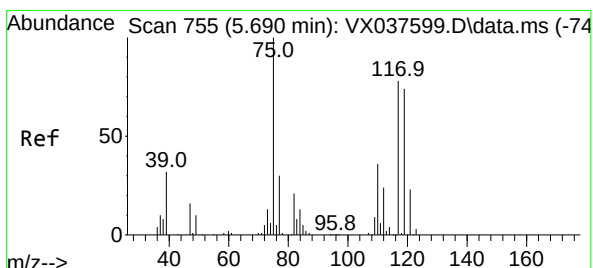
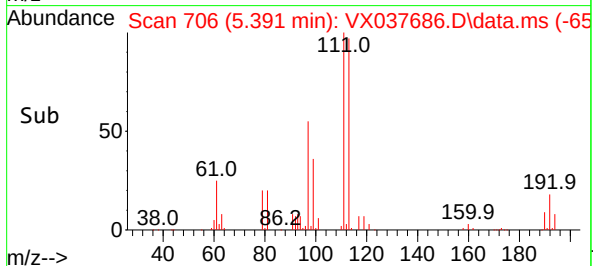
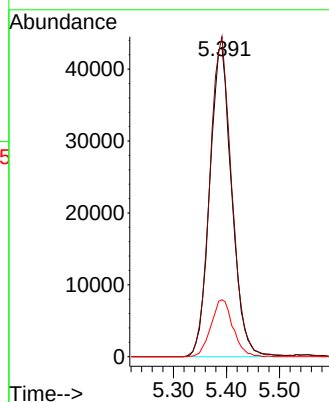
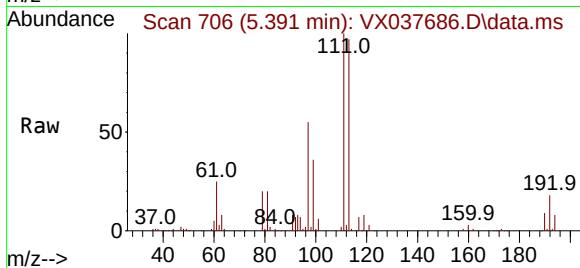
192 18.3 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#36

1,1-Dichloropropene

Concen: 18.710 ug/l

RT: 5.696 min Scan# 756

Delta R.T. 0.006 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

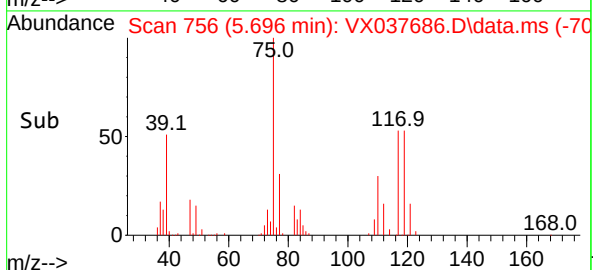
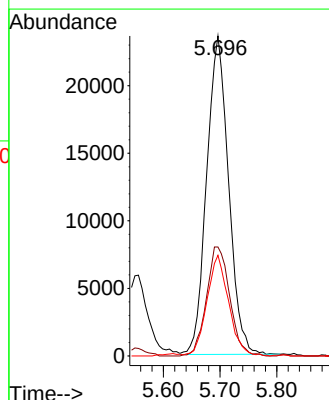
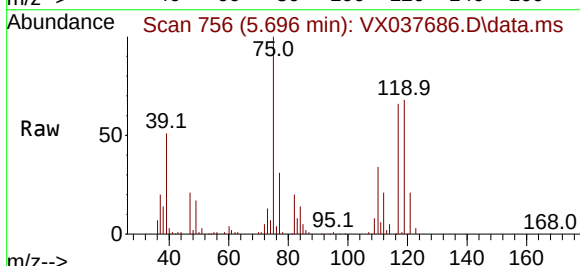
Tgt Ion: 75 Resp: 63419

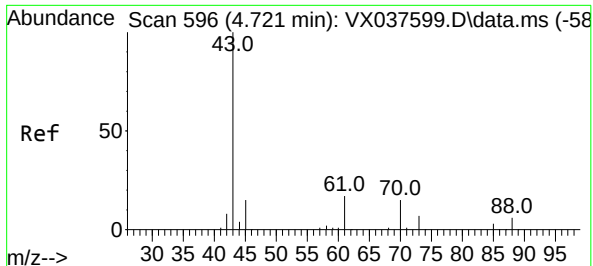
Ion Ratio Lower Upper

75 100

110 36.4 17.0 50.9

77 31.4 24.7 37.1





#37

Ethyl Acetate

Concen: 18.957 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

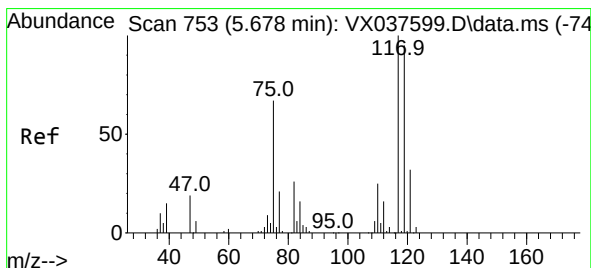
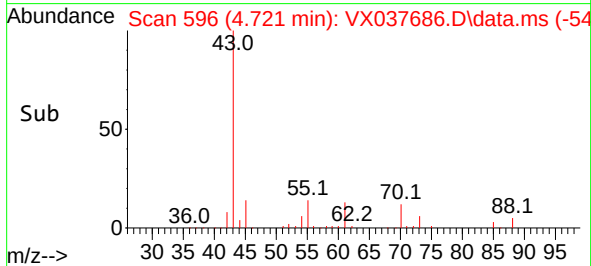
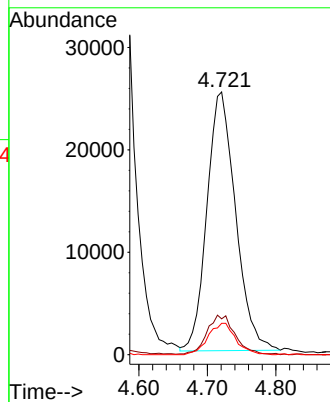
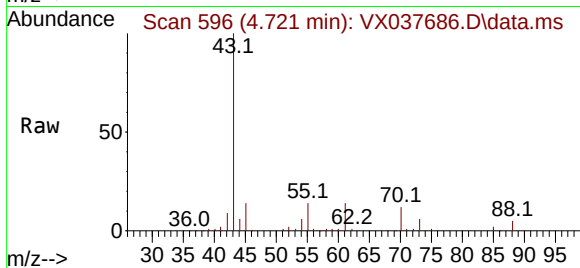
Client SampleId :

VX0913WBS01

Tgt Ion:	43	Resp:	7352
Ion Ratio	Lower	Upper	
43	100		
61	15.0	10.6	16.0
70	11.7	8.3	12.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#38

Carbon Tetrachloride

Concen: 19.251 ug/l

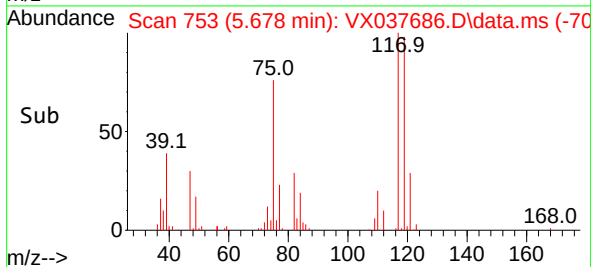
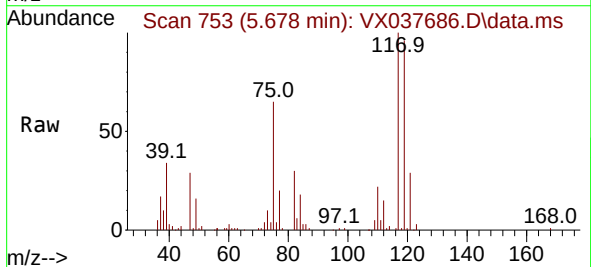
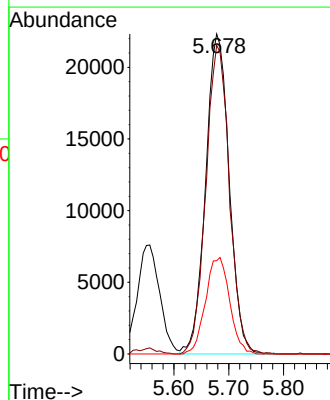
RT: 5.678 min Scan# 753

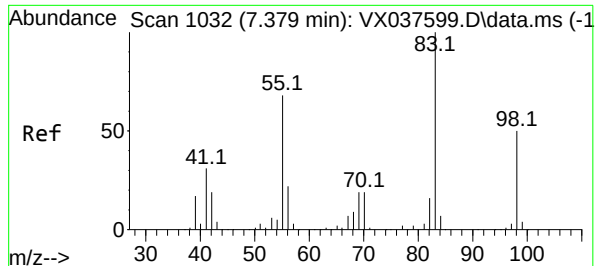
Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Tgt Ion:	117	Resp:	66660
Ion Ratio	Lower	Upper	
117	100		
119	96.5	78.2	117.2
121	29.2	24.4	36.6





#39

Methylcyclohexane

Concen: 19.497 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion: 83 Resp: 78199

Ion Ratio Lower Upper

83 100

55 72.4 64.6 97.0

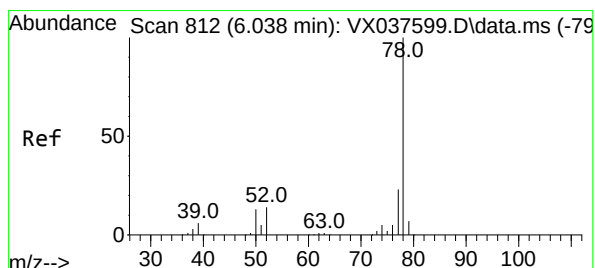
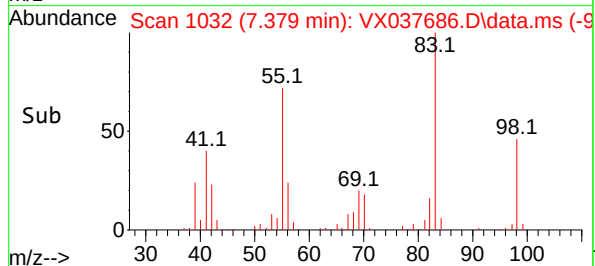
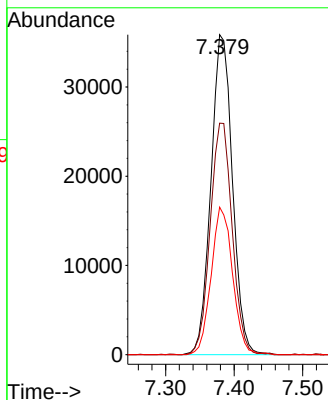
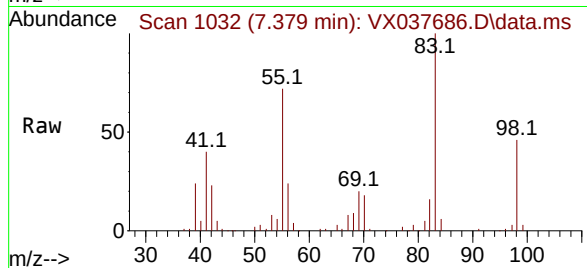
98 46.1 36.7 55.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#40

Benzene

Concen: 19.351 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.000 min

Lab File: VX037686.D

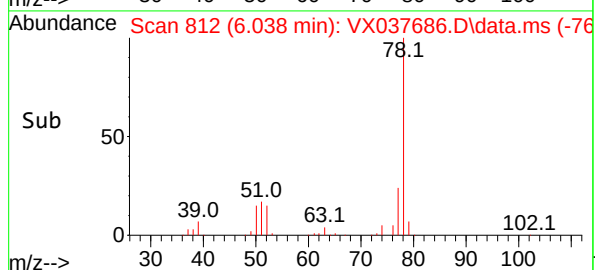
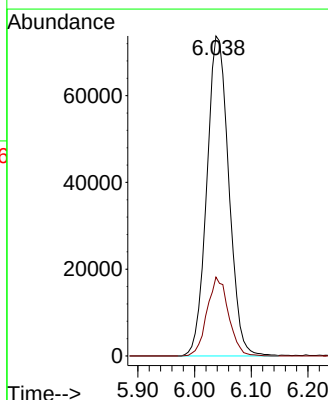
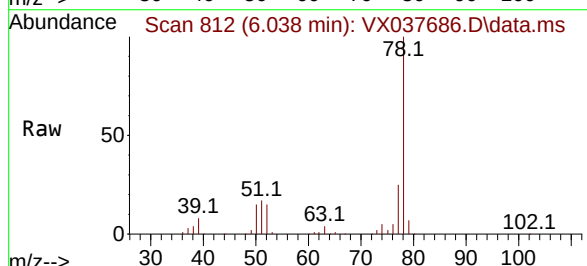
Acq: 13 Sep 2023 11:36

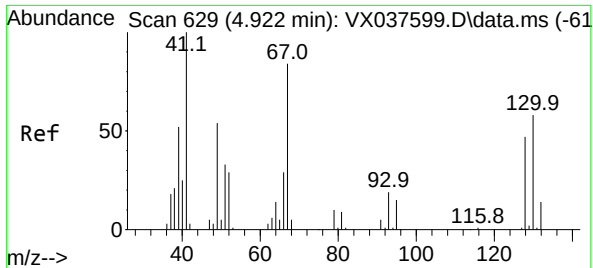
Tgt Ion: 78 Resp: 198845

Ion Ratio Lower Upper

78 100

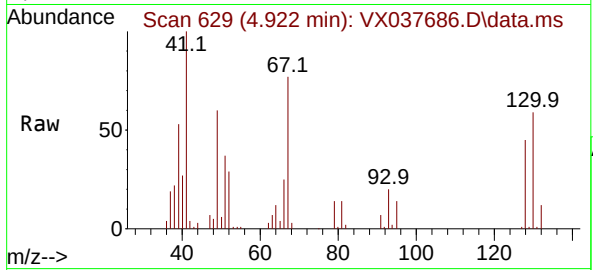
77 24.7 19.3 28.9





#41
Methacrylonitrile
Concen: 19.412 ug/l
RT: 4.922 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX037686.D
Acq: 13 Sep 2023 11:36

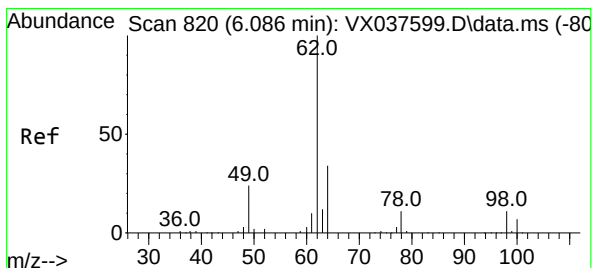
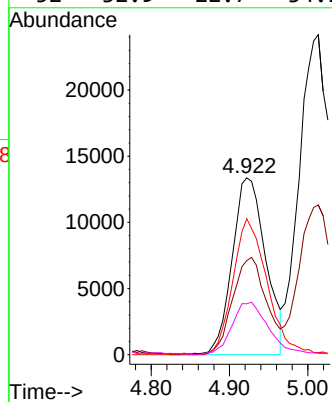
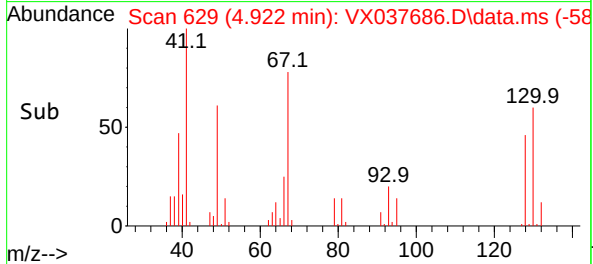
Instrument :
MSVOA_X
Client Sample Id :
VX0913WBS01



Tgt Ion: 41 Resp: 3965
Ion Ratio Lower Upper
41 100
39 55.4 45.2 67.8
67 78.8 52.6 78.8
52 32.9 22.7 34.1

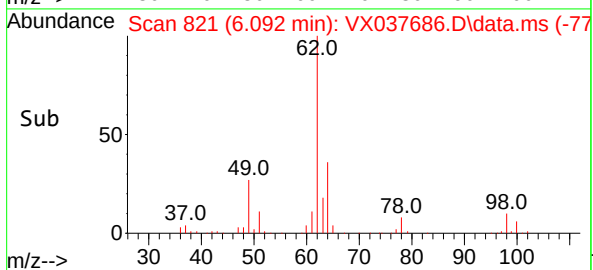
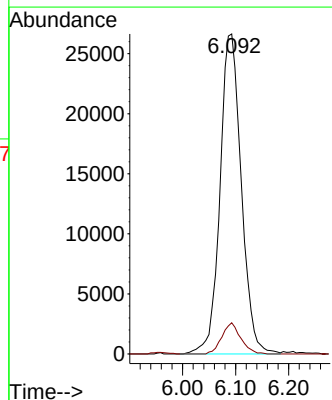
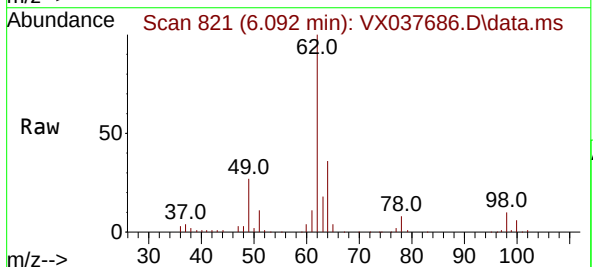
Manual Integrations
APPROVED

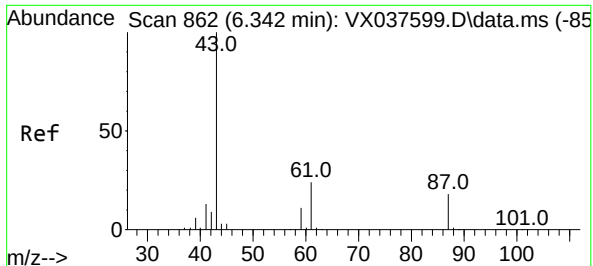
Reviewed By : John Carlone 09/14/2023
Supervised By : Mahesh Dadoda 09/14/2023



#42
1,2-Dichloroethane
Concen: 18.511 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX037686.D
Acq: 13 Sep 2023 11:36

Tgt Ion: 62 Resp: 74342
Ion Ratio Lower Upper
62 100
98 8.6 0.0 16.0





#43

Isopropyl Acetate

Concen: 19.246 ug/l

RT: 6.342 min Scan# 862

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion: 43 Resp: 119079

Ion Ratio Lower Upper

43 100

61 20.3 15.2 22.8

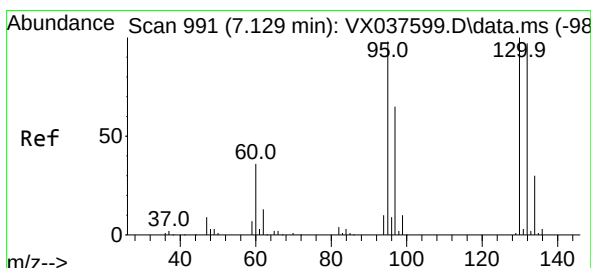
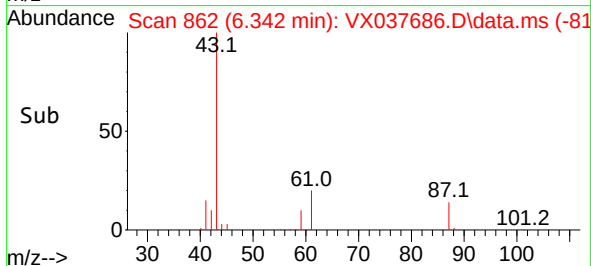
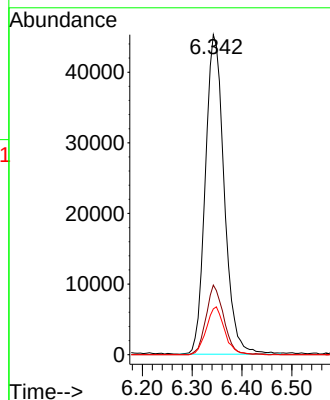
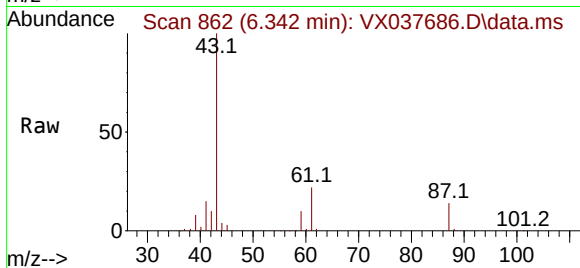
87 14.5 9.8 14.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#44

Trichloroethene

Concen: 19.684 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX037686.D

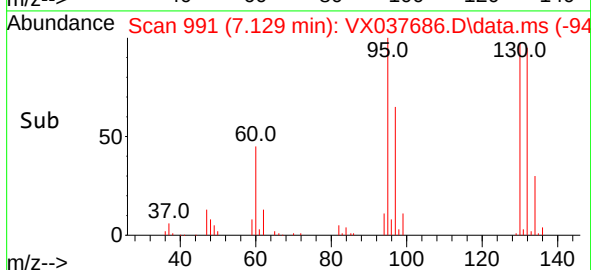
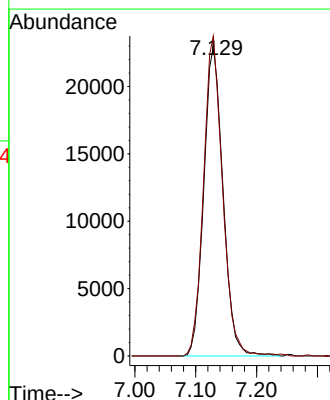
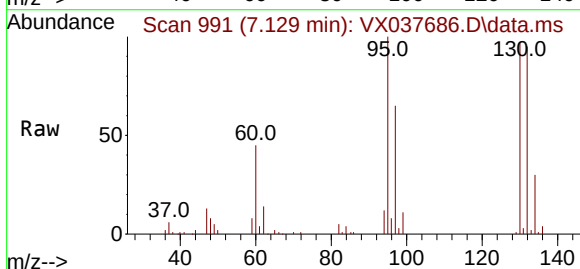
Acq: 13 Sep 2023 11:36

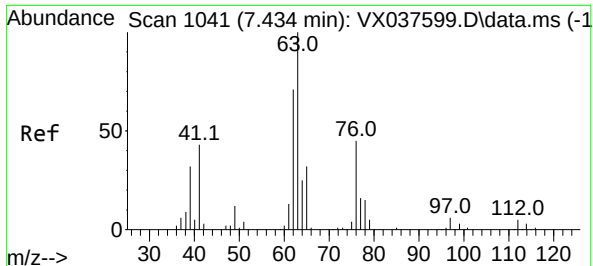
Tgt Ion:130 Resp: 50534

Ion Ratio Lower Upper

130 100

95 103.5 0.0 204.4





#45

1,2-Dichloropropane

Concen: 19.374 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion: 63 Resp: 5253

Ion Ratio Lower Upper

63 100

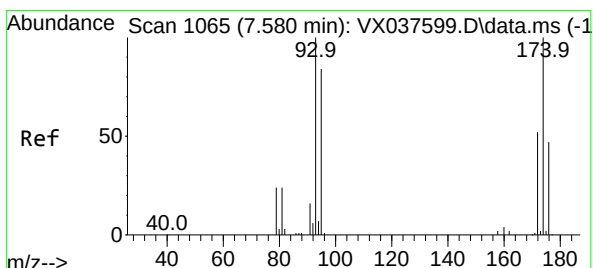
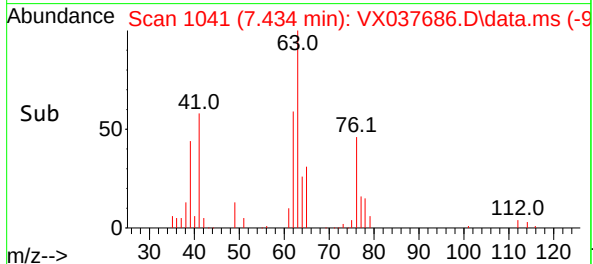
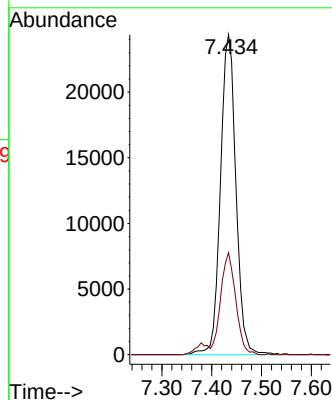
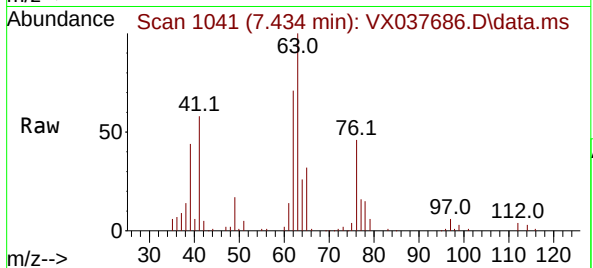
65 31.9 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#46

Dibromomethane

Concen: 19.257 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

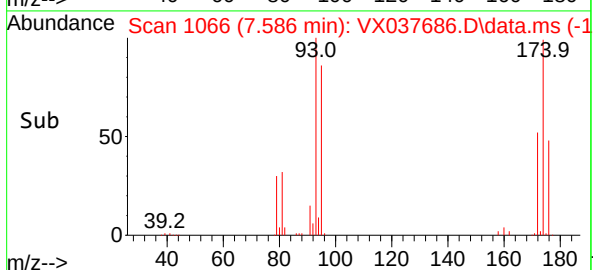
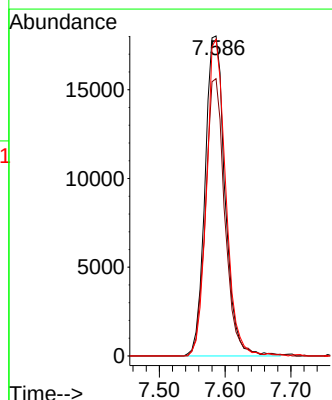
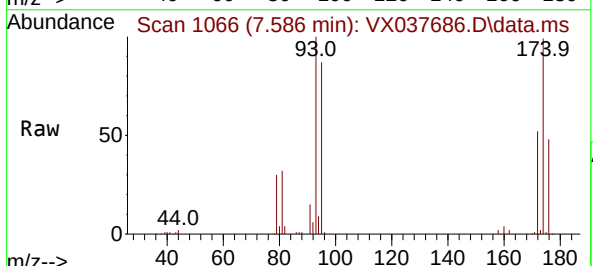
Tgt Ion: 93 Resp: 37990

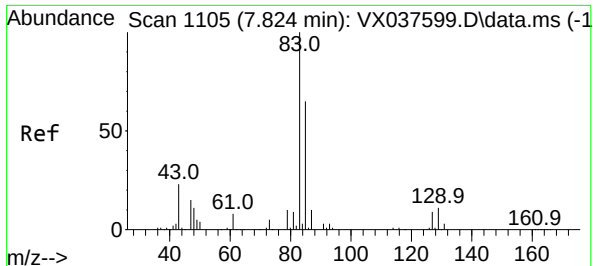
Ion Ratio Lower Upper

93 100

95 83.9 66.6 100.0

174 95.3 69.4 104.0





#47

Bromodichloromethane

Concen: 19.589 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

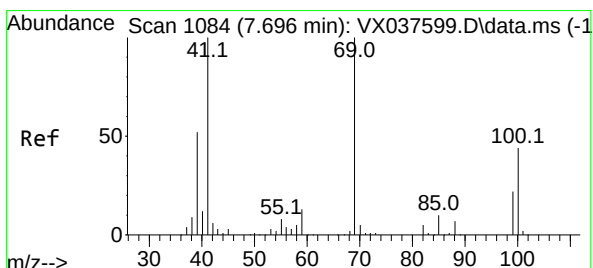
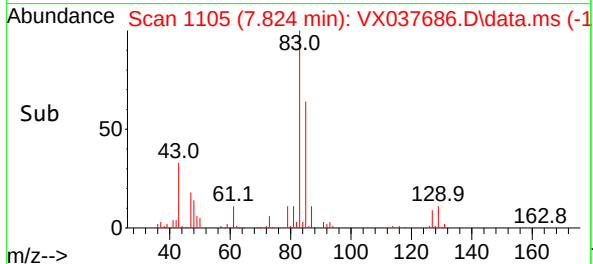
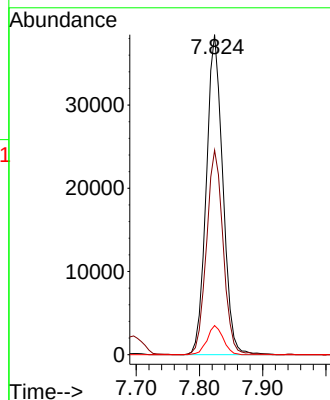
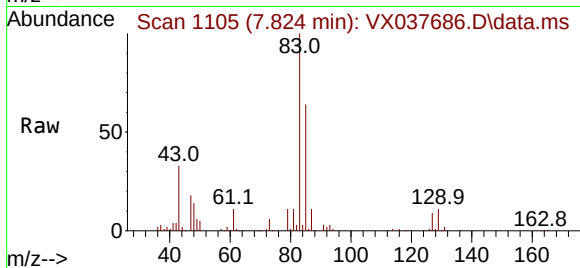
Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion:	83	Resp:	6976
Ion Ratio	Lower	Upper	
83	100		
85	63.9	49.8	74.6
127	9.1	7.1	10.7

Manual Integrations
APPROVEDReviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023

#48

Methyl methacrylate

Concen: 19.441 ug/l

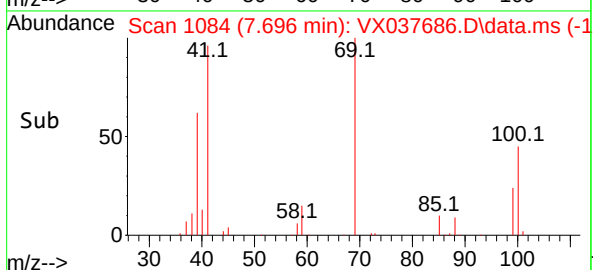
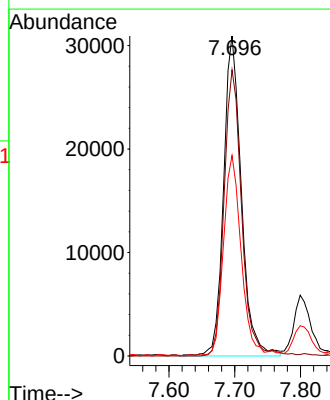
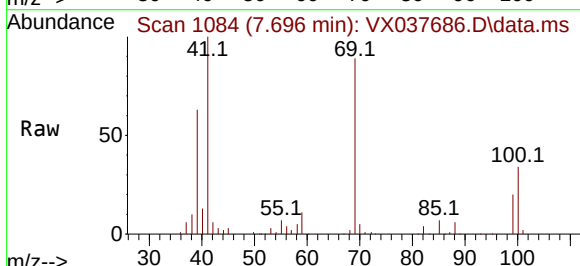
RT: 7.696 min Scan# 1084

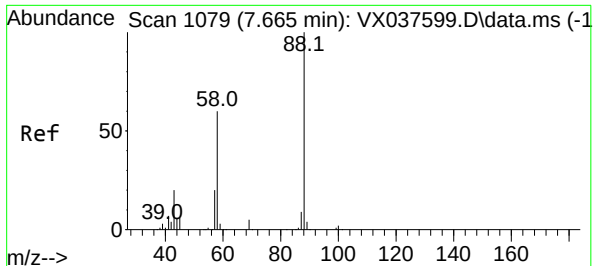
Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Tgt Ion:	41	Resp:	58147
Ion Ratio	Lower	Upper	
41	100		
69	88.7	59.2	88.8
39	63.4	47.7	71.5





#49

1,4-Dioxane

Concen: 431.145 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

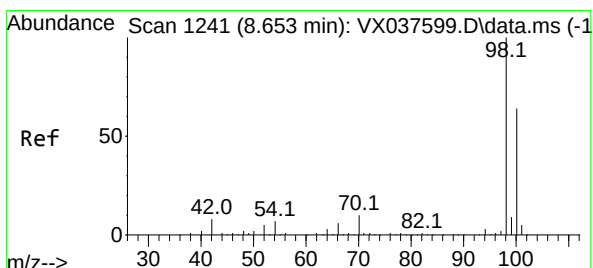
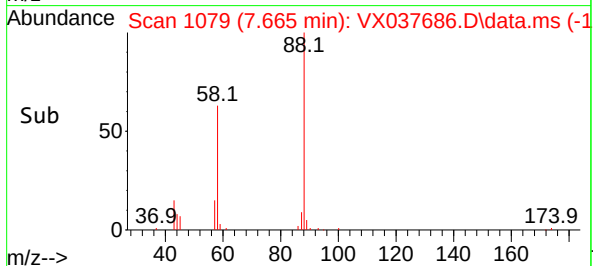
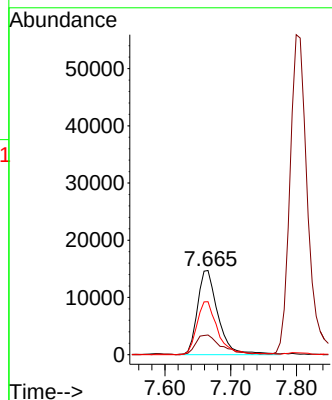
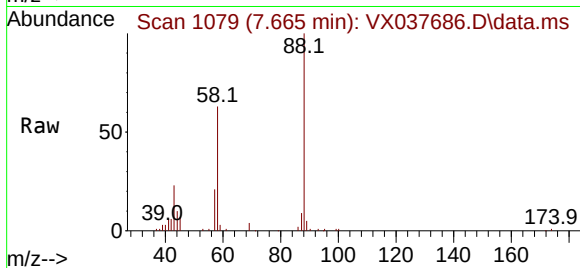
Tgt Ion:	88	Resp:	31949
Ion Ratio	Lower	Upper	
88	100		
43	29.7	0.0	0.0
58	64.3	60.1	90.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#50

Toluene-d8

Concen: 49.842 ug/l

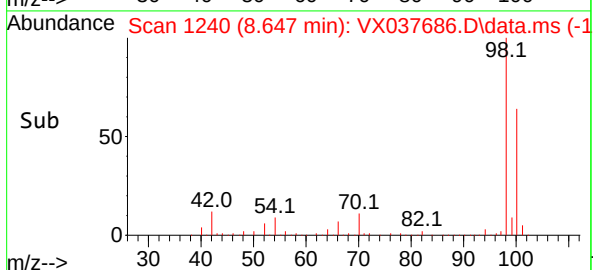
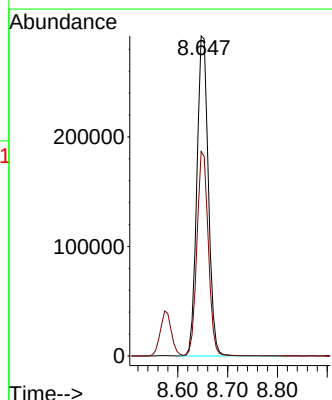
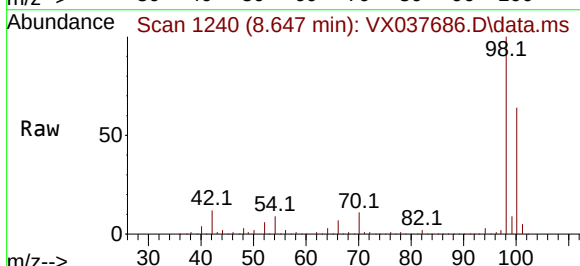
RT: 8.647 min Scan# 1240

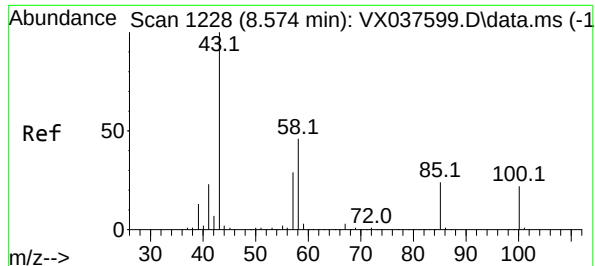
Delta R.T. -0.006 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Tgt Ion:	98	Resp:	468357
Ion Ratio	Lower	Upper	
98	100		
100	63.1	53.1	79.7





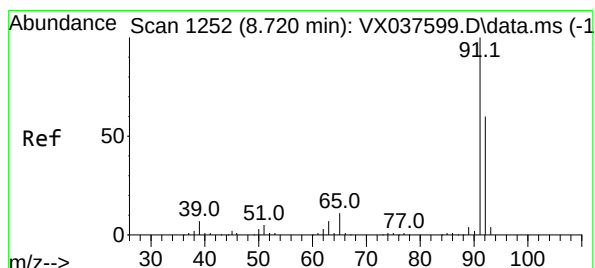
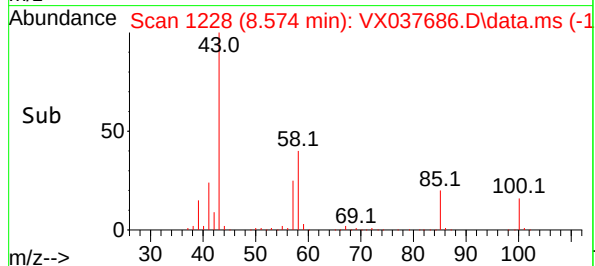
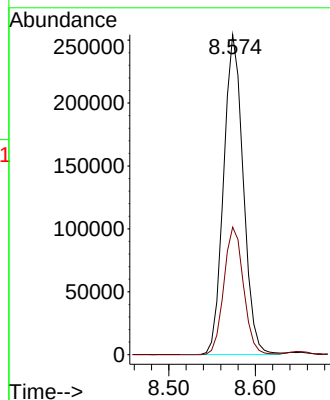
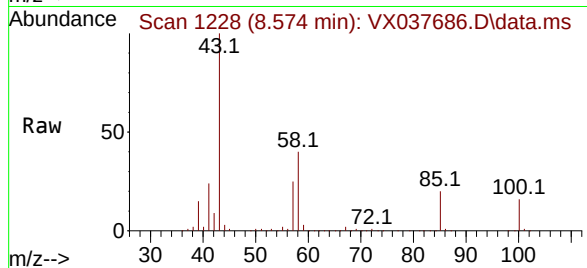
#51
4-Methyl-2-Pentanone
Concen: 98.636 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX037686.D
Acq: 13 Sep 2023 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01

Tgt Ion: 43 Resp: 40074
Ion Ratio Lower Upper
43 100
58 39.9 30.4 45.6

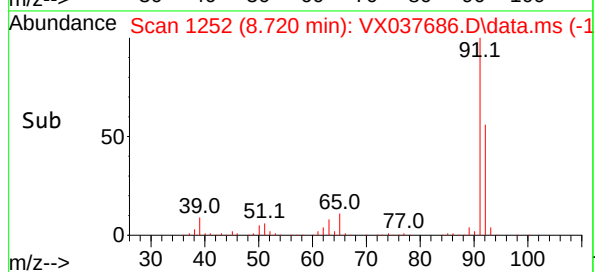
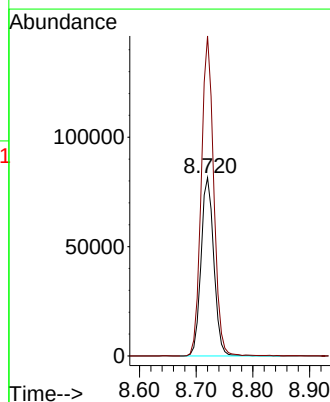
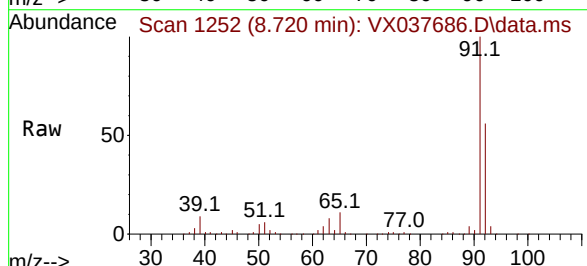
Manual Integrations
APPROVED

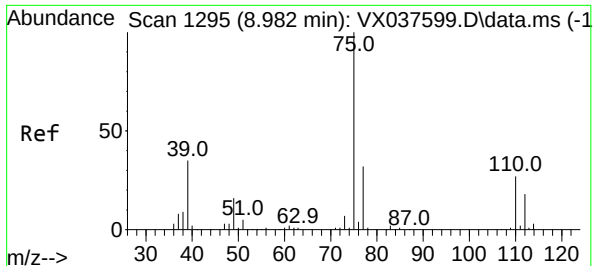
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#52
Toluene
Concen: 19.332 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX037686.D
Acq: 13 Sep 2023 11:36

Tgt Ion: 92 Resp: 127724
Ion Ratio Lower Upper
92 100
91 175.0 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 19.236 ug/l

RT: 8.982 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion: 75 Resp: 69450

Ion Ratio Lower Upper

75 100

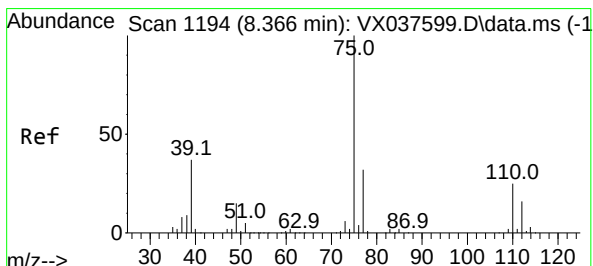
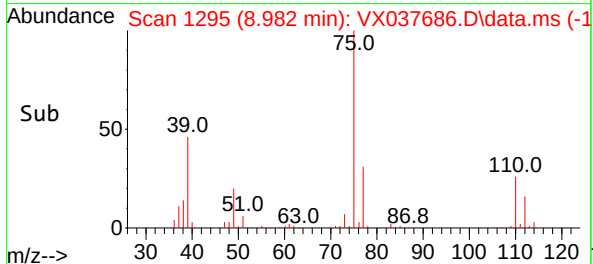
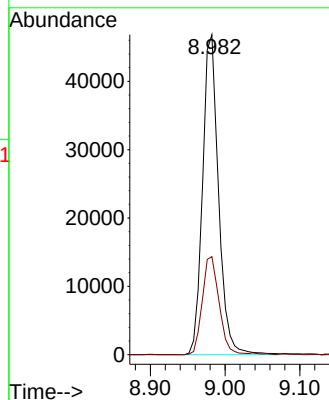
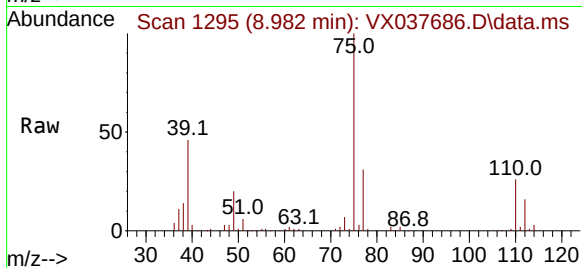
77 30.6 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#54

cis-1,3-Dichloropropene

Concen: 19.742 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

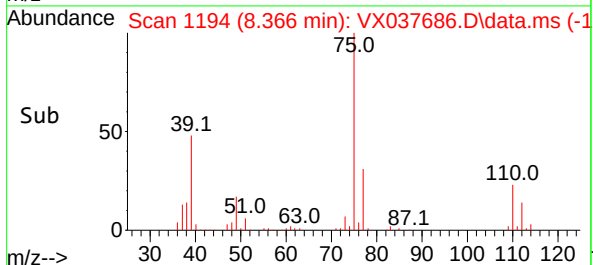
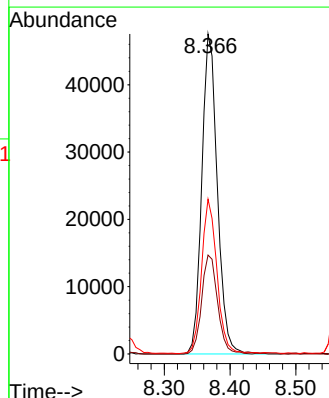
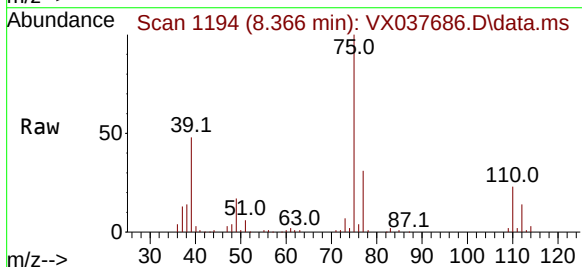
Tgt Ion: 75 Resp: 78220

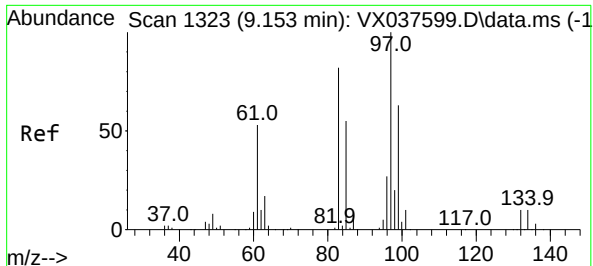
Ion Ratio Lower Upper

75 100

77 30.9 25.3 37.9

39 48.2 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 19.983 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion: 97 Resp: 5559

Ion Ratio Lower Upper

97 100

83 88.4 65.8 98.8

85 57.0 41.6 62.4

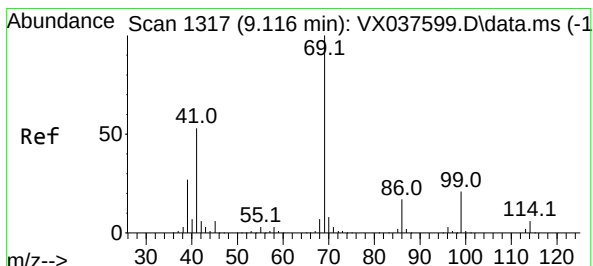
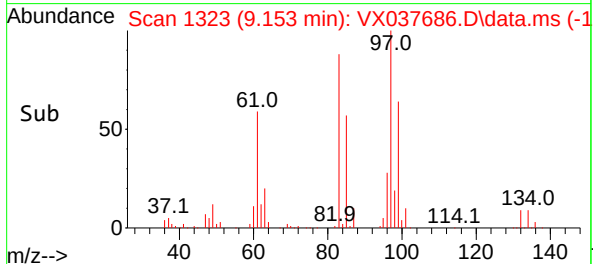
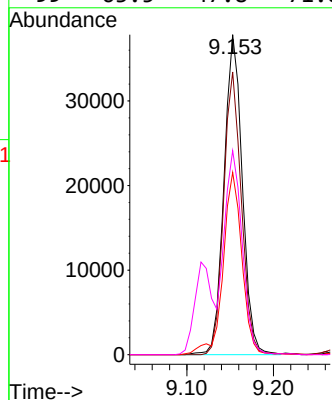
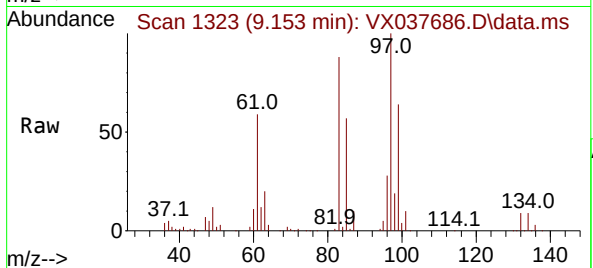
99 63.5 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#56

Ethyl methacrylate

Concen: 19.282 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

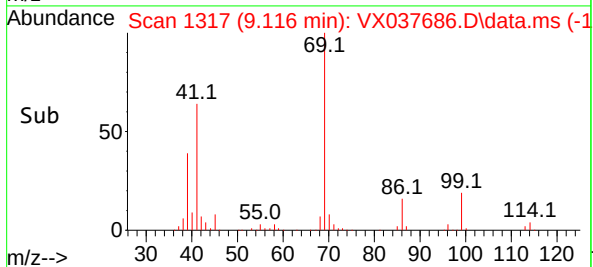
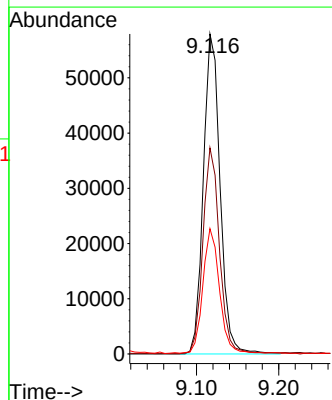
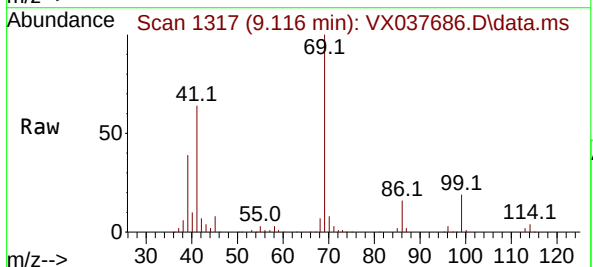
Tgt Ion: 69 Resp: 82076

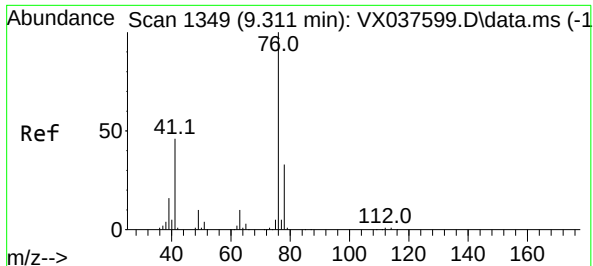
Ion Ratio Lower Upper

69 100

41 64.2 56.8 85.2

39 38.5 32.0 48.0





#57

1,3-Dichloropropane

Concen: 19.103 ug/l

RT: 9.311 min Scan# 1134

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion: 76 Resp: 8914

Ion Ratio Lower Upper

76 100

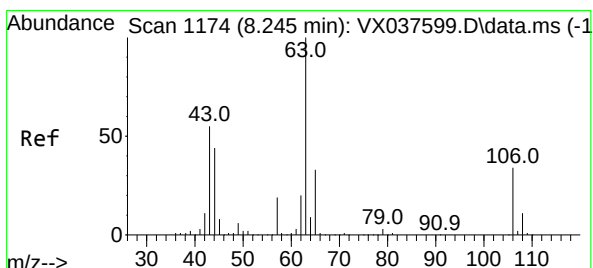
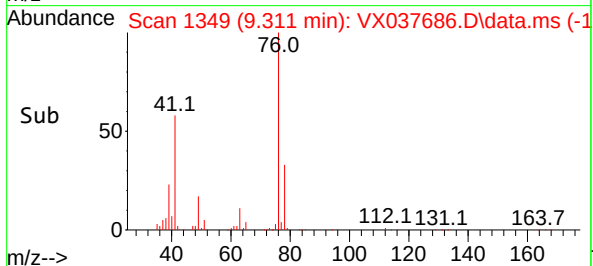
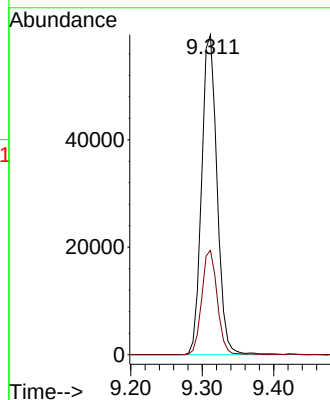
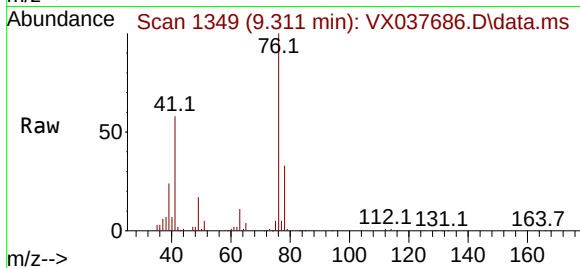
78 32.7 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#58

2-Chloroethyl Vinyl ether

Concen: 96.849 ug/l

RT: 8.245 min Scan# 1174

Delta R.T. 0.000 min

Lab File: VX037686.D

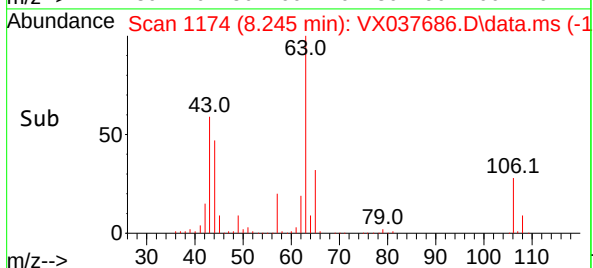
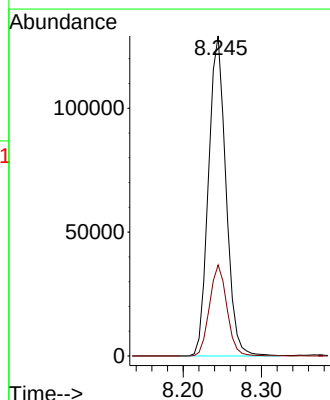
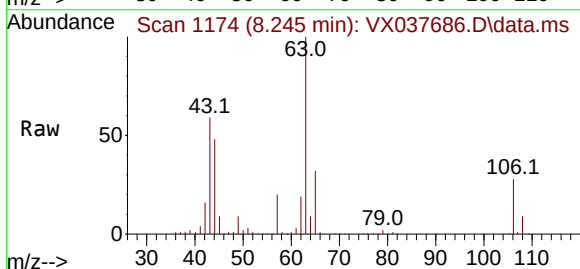
Acq: 13 Sep 2023 11:36

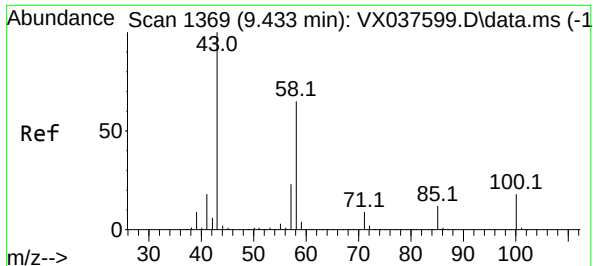
Tgt Ion: 63 Resp: 199885

Ion Ratio Lower Upper

63 100

106 28.3 22.5 33.7





#59

2-Hexanone

Concen: 99.815 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion: 43 Resp: 313029

Ion Ratio Lower Upper

43 100

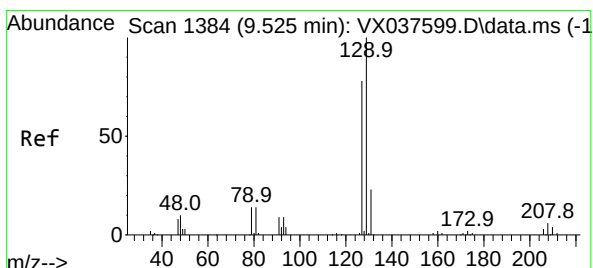
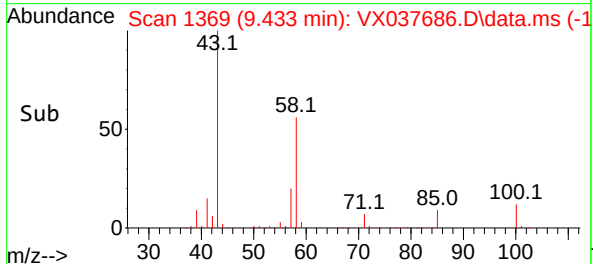
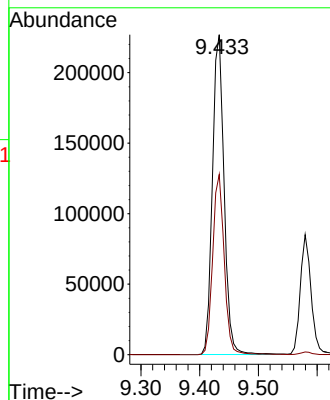
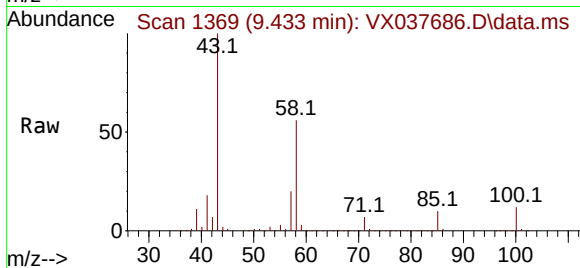
58 55.9 26.2 78.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#60

Dibromochloromethane

Concen: 19.239 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VX037686.D

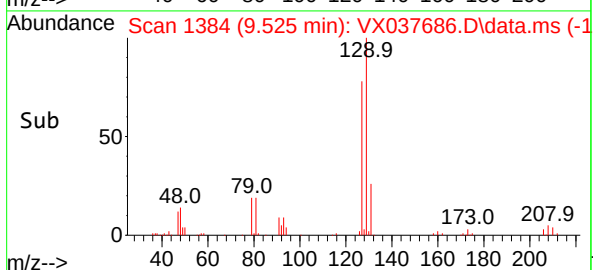
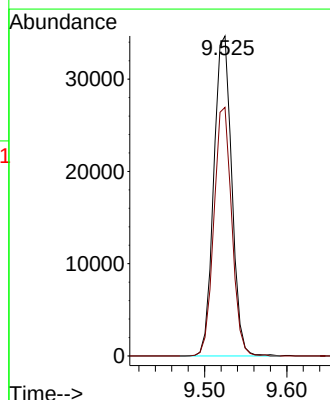
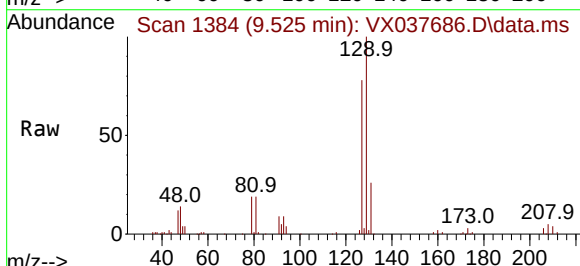
Acq: 13 Sep 2023 11:36

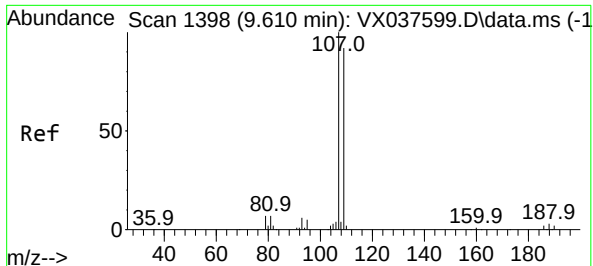
Tgt Ion:129 Resp: 52572

Ion Ratio Lower Upper

129 100

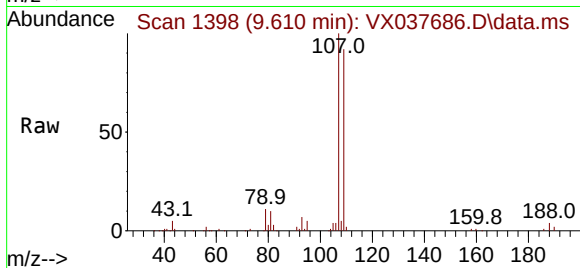
127 77.3 38.8 116.4





#61
1,2-Dibromoethane
Concen: 19.392 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX037686.D
Acq: 13 Sep 2023 11:36

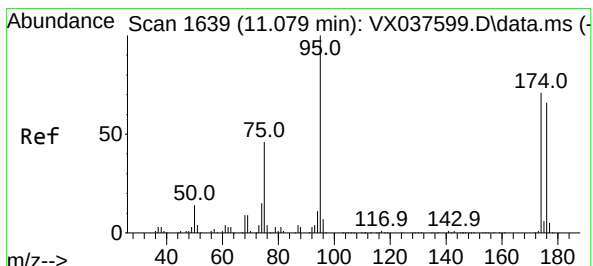
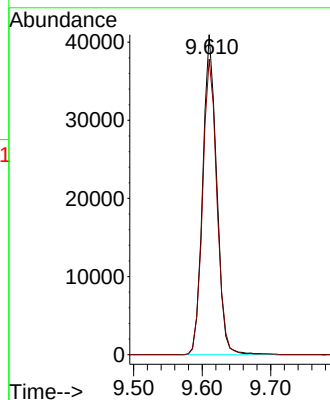
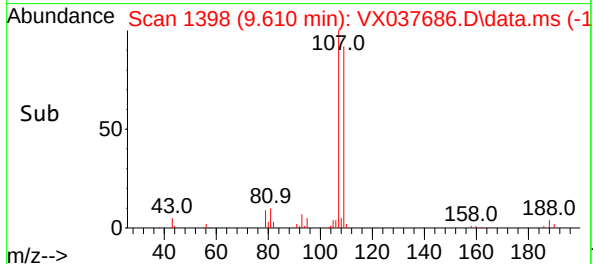
Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01



Tgt Ion: 107 Resp: 57990
Ion Ratio Lower Upper
107 100
109 94.9 75.2 112.8

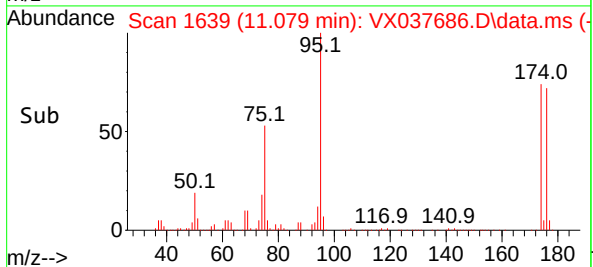
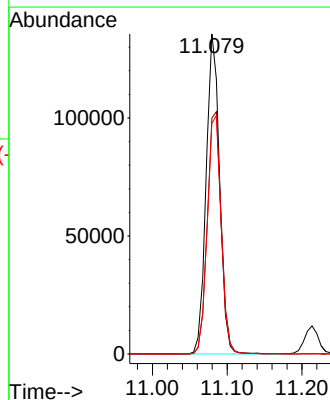
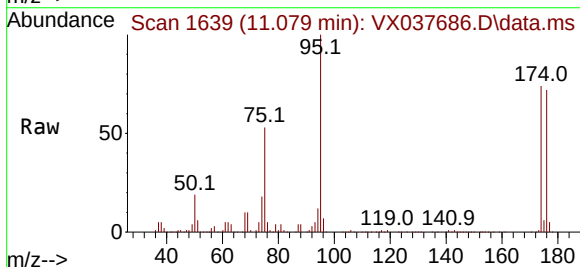
Manual Integrations
APPROVED

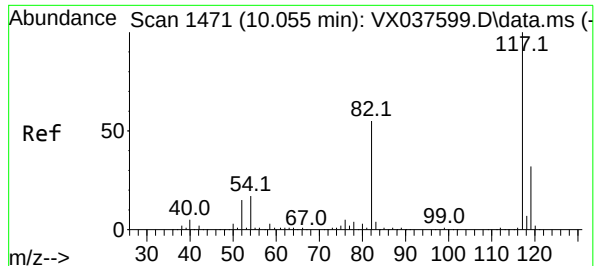
Reviewed By : John Carlone 09/14/2023
Supervised By : Mahesh Dadoda 09/14/2023



#62
4-Bromofluorobenzene
Concen: 49.783 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037686.D
Acq: 13 Sep 2023 11:36

Tgt Ion: 95 Resp: 168774
Ion Ratio Lower Upper
95 100
174 79.1 0.0 135.6
176 76.9 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion:117 Resp: 336430

Ion Ratio Lower Upper

117 100

82 54.7 46.2 69.4

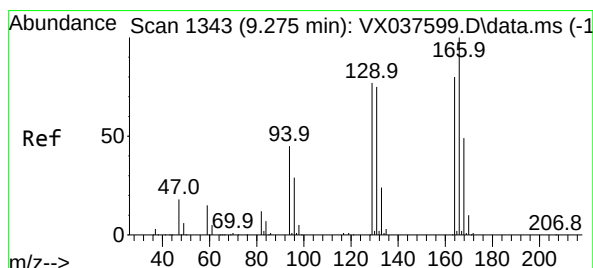
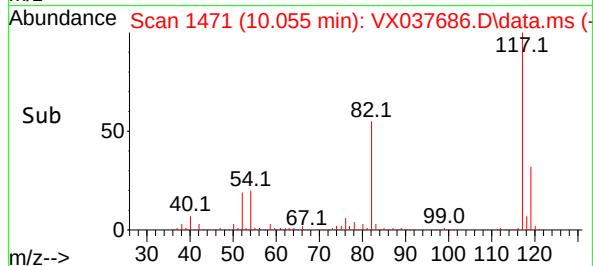
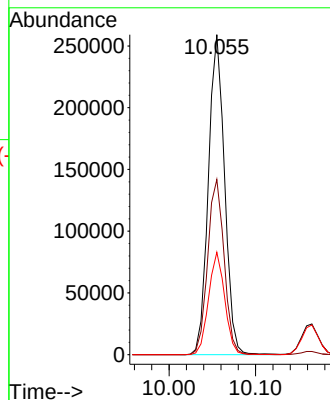
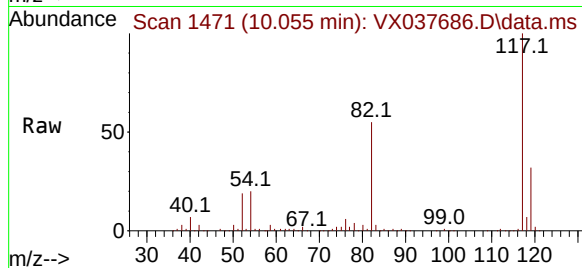
119 32.0 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#64

Tetrachloroethene

Concen: 19.734 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Tgt Ion:164 Resp: 43015

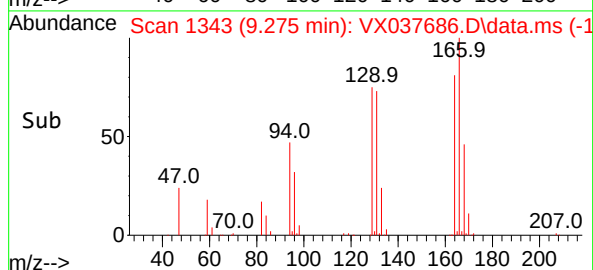
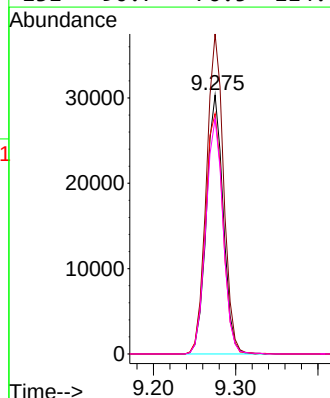
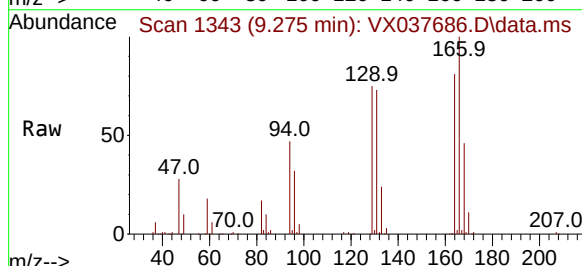
Ion Ratio Lower Upper

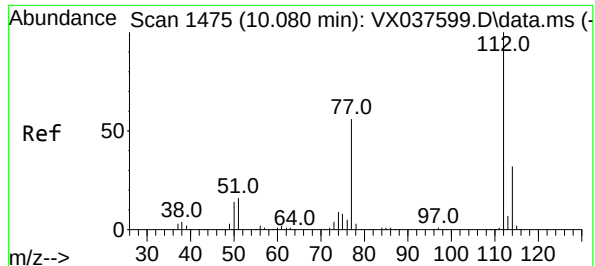
164 100

166 123.6 102.7 154.1

129 92.8 80.4 120.6

131 90.7 76.5 114.7





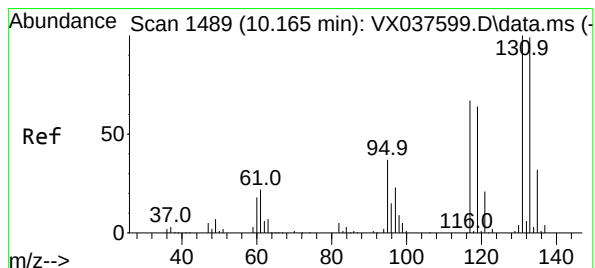
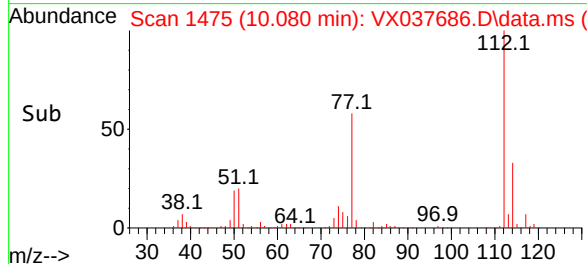
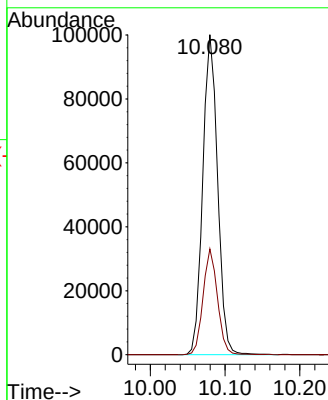
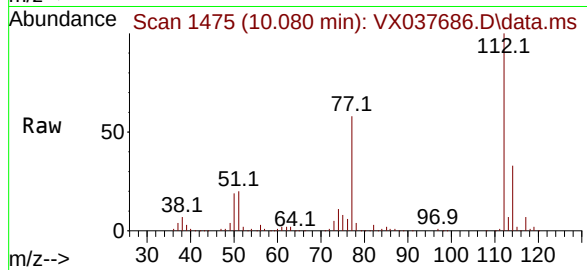
#65
Chlorobenzene
Concen: 19.247 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX037686.D
Acq: 13 Sep 2023 11:36

Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01

Tgt Ion:112 Resp: 13801
Ion Ratio Lower Upper
112 100
114 33.1 25.7 38.5

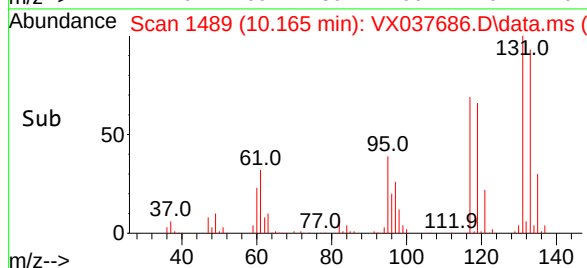
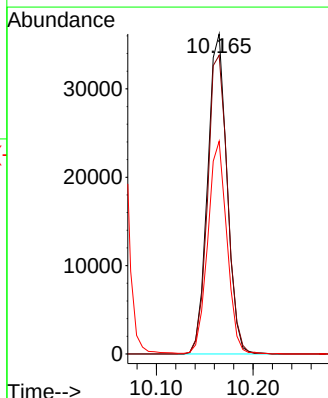
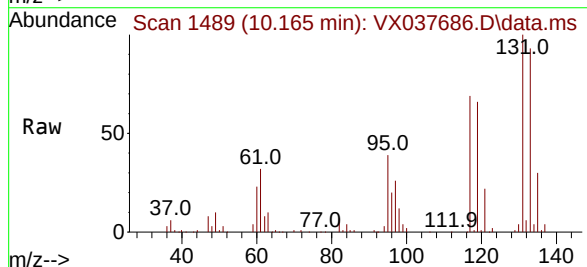
Manual Integrations
APPROVED

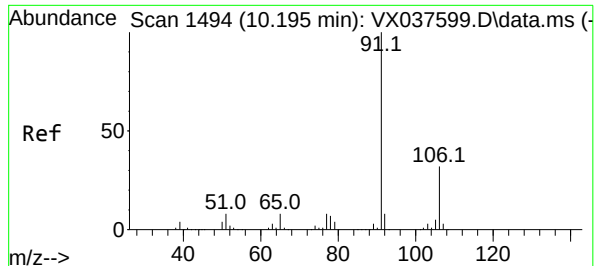
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 20.396 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX037686.D
Acq: 13 Sep 2023 11:36

Tgt Ion:131 Resp: 50406
Ion Ratio Lower Upper
131 100
133 96.1 47.1 141.4
119 65.7 32.2 96.6





#67

Ethyl Benzene

Concen: 19.486 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion: 91 Resp: 248660

Ion Ratio Lower Upper

91 100

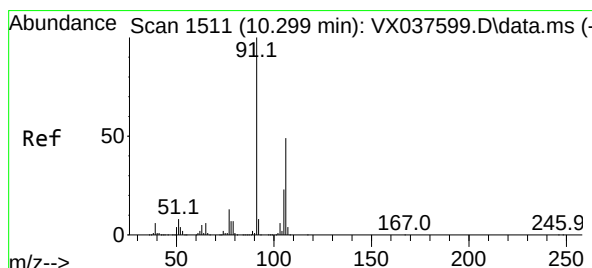
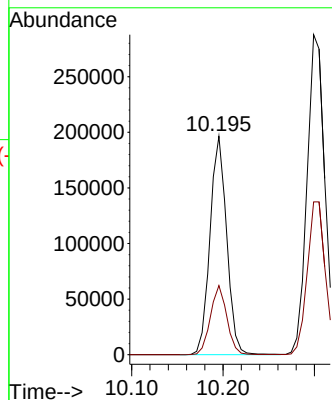
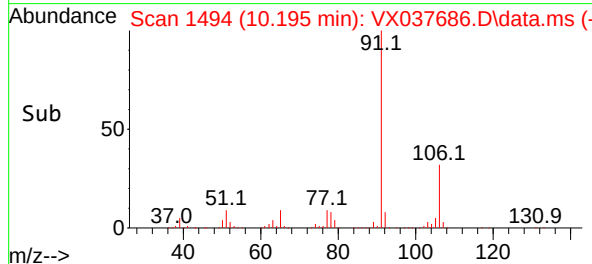
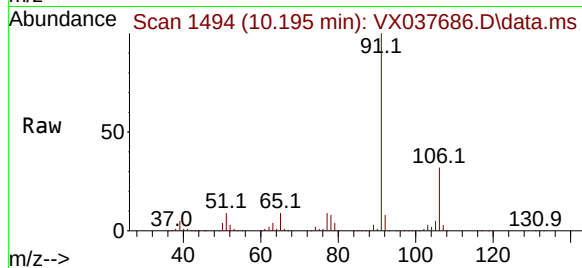
106 31.7 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#68

m/p-Xylenes

Concen: 39.107 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX037686.D

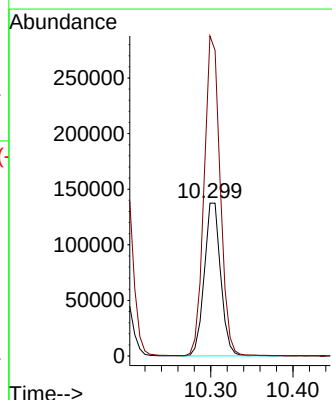
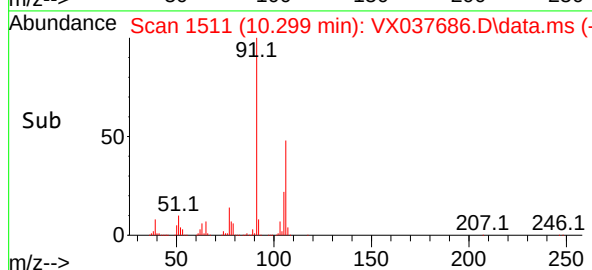
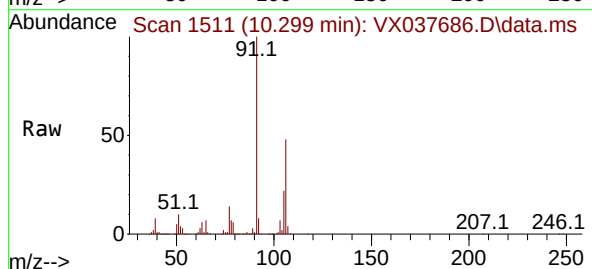
Acq: 13 Sep 2023 11:36

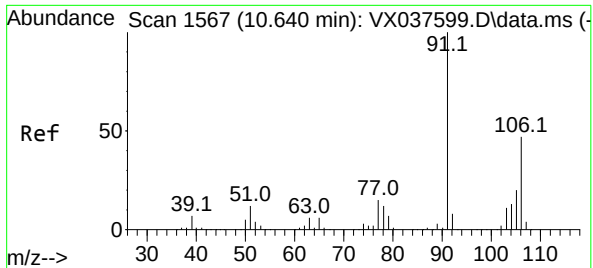
Tgt Ion:106 Resp: 190288

Ion Ratio Lower Upper

106 100

91 205.1 165.5 248.3





#69

o-Xylene

Concen: 19.446 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion:106 Resp: 94339

Ion Ratio Lower Upper

106 100

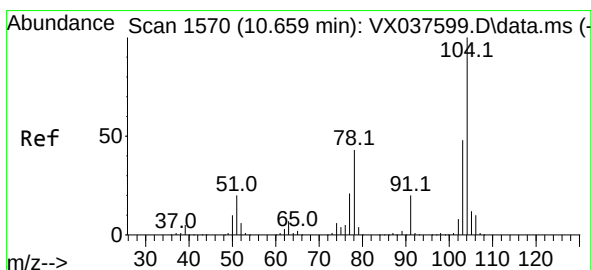
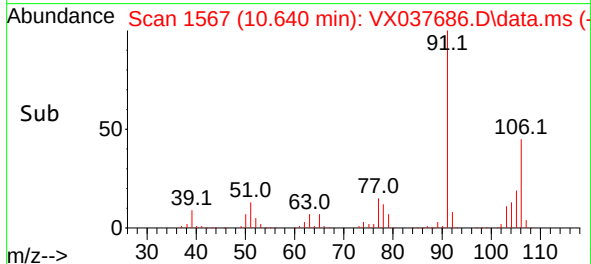
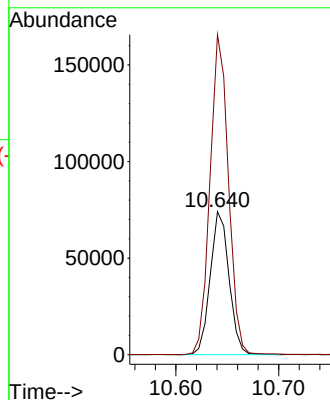
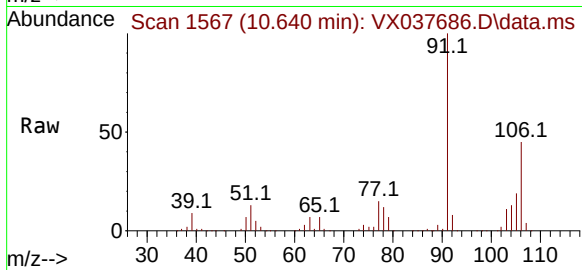
91 219.7 108.9 326.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#70

Styrene

Concen: 19.599 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. -0.006 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

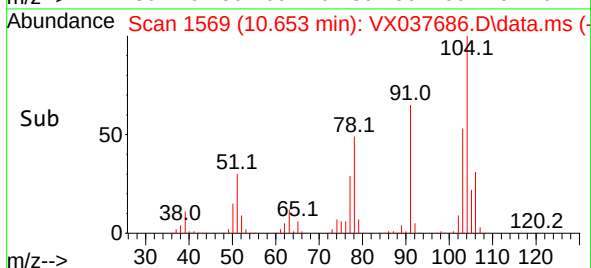
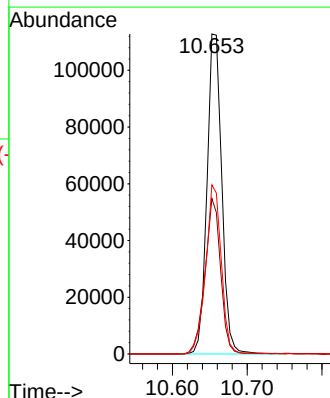
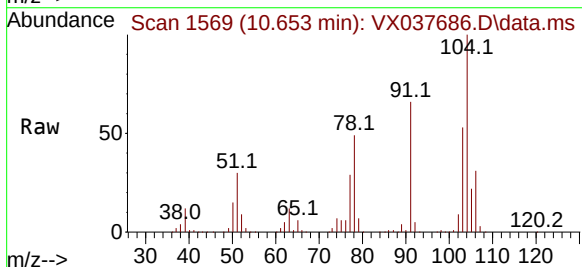
Tgt Ion:104 Resp: 155121

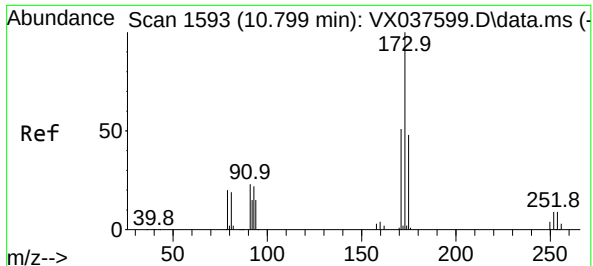
Ion Ratio Lower Upper

104 100

78 51.5 43.6 65.4

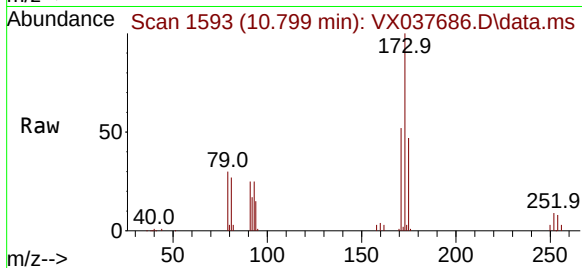
103 55.9 43.6 65.4





#71
Bromoform
Concen: 19.539 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX037686.D
Acq: 13 Sep 2023 11:36

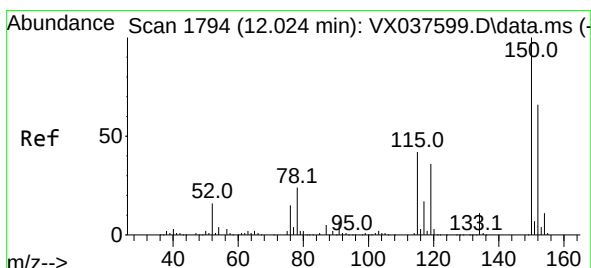
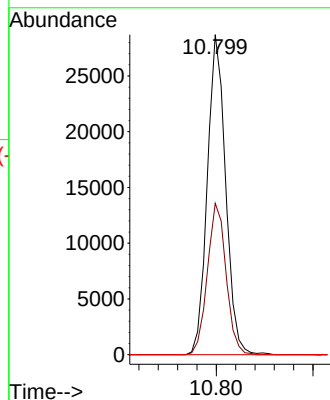
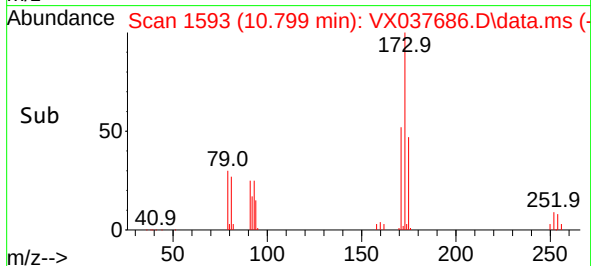
Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01



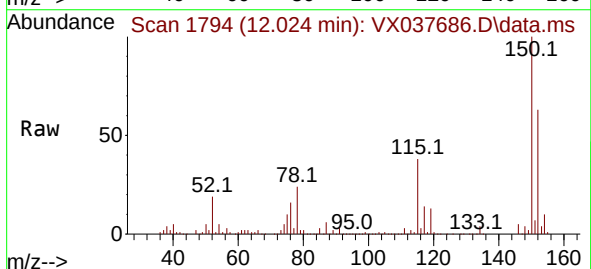
Tgt Ion:173 Resp: 3778
Ion Ratio Lower Upper
173 100
175 48.3 24.1 72.4
254 0.0 0.0 0.0

Manual Integrations
APPROVED

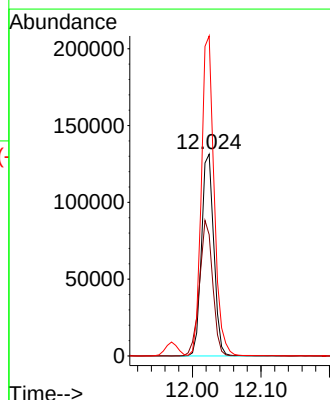
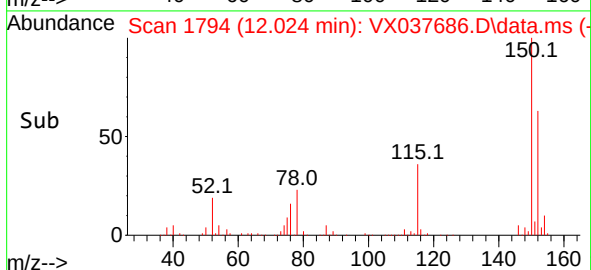
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023

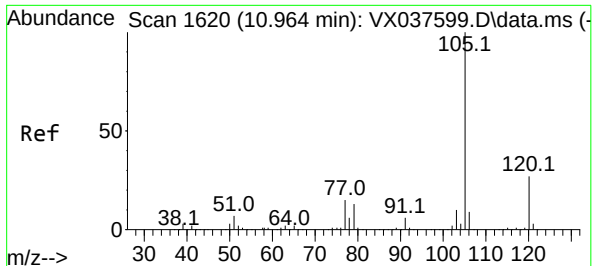


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037686.D
Acq: 13 Sep 2023 11:36



Tgt Ion:152 Resp: 165187
Ion Ratio Lower Upper
152 100
115 71.3 43.3 129.9
150 164.0 0.0 345.0





#73

Isopropylbenzene

Concen: 20.163 ug/l

RT: 10.964 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion:105 Resp: 249369

Ion Ratio Lower Upper

105 100

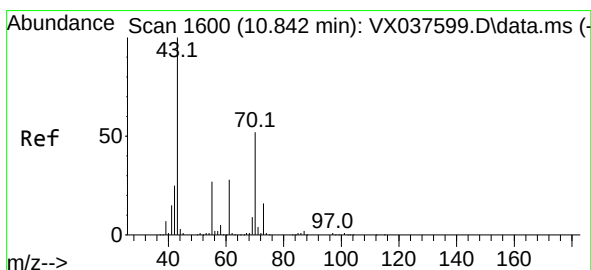
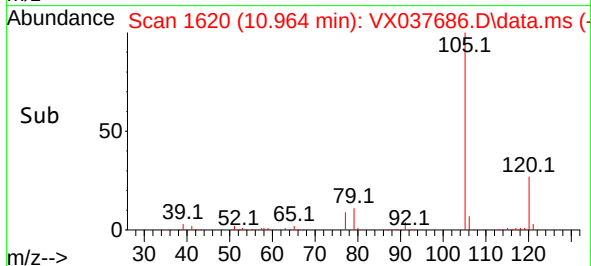
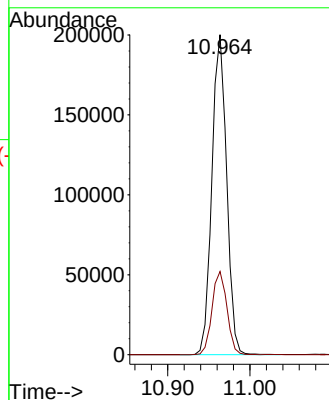
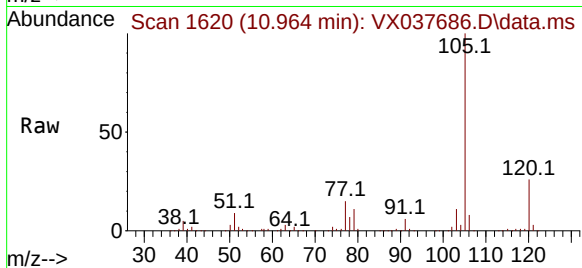
120 26.2 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#74

N-ethyl acetate

Concen: 19.830 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Tgt Ion: 43 Resp: 106942

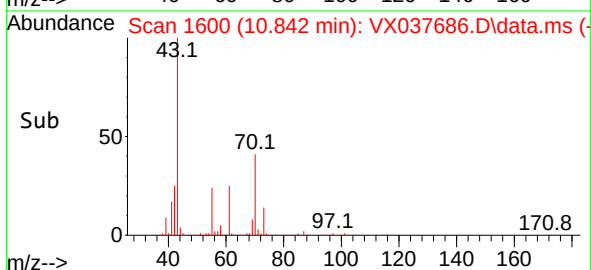
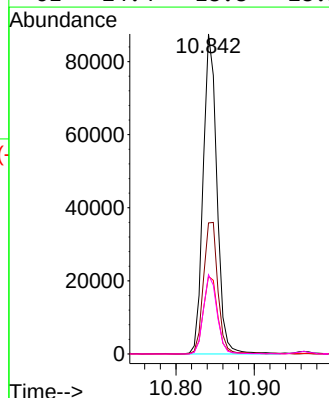
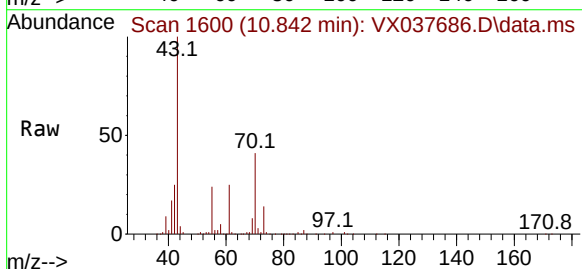
Ion Ratio Lower Upper

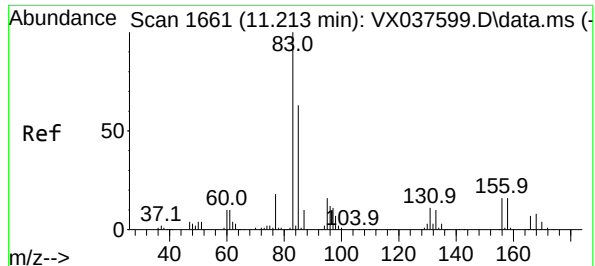
43 100

70 43.0 32.9 49.3

55 25.3 19.3 28.9

61 24.4 18.8 28.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.794 ug/l

RT: 11.214 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

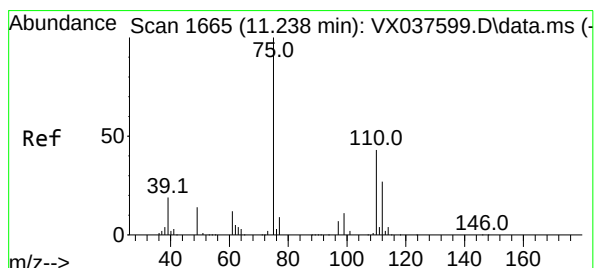
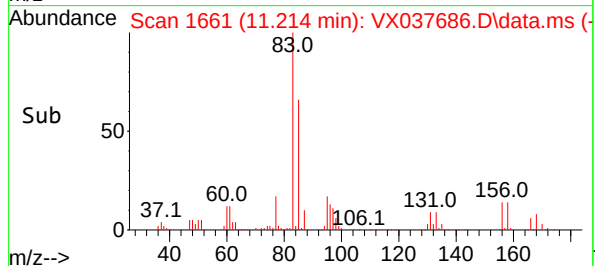
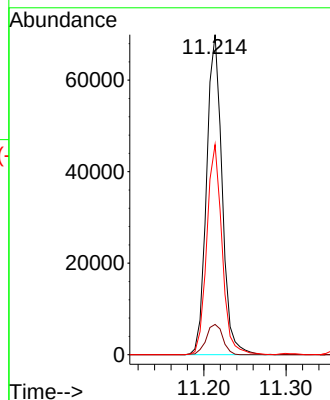
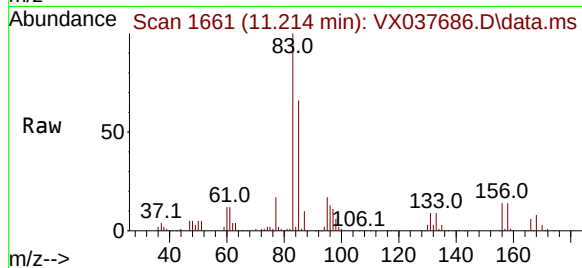
Tgt Ion:	83	Resp:	91609
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.3	15.8
85	64.6	32.0	96.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#76

1,2,3-Trichloropropane

Concen: 20.073 ug/l m

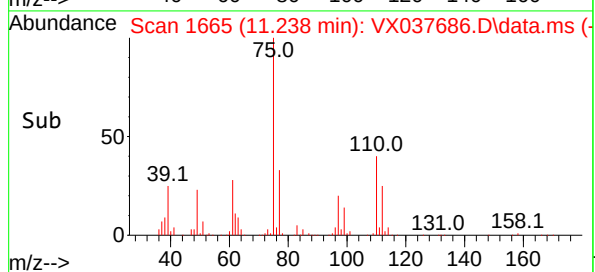
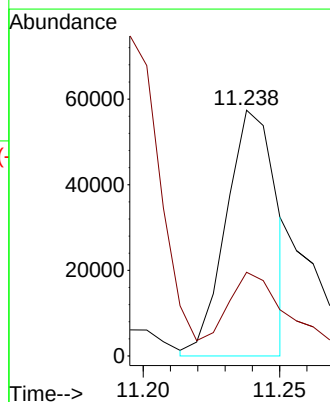
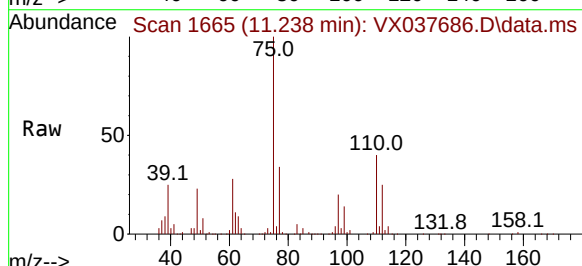
RT: 11.238 min Scan# 1665

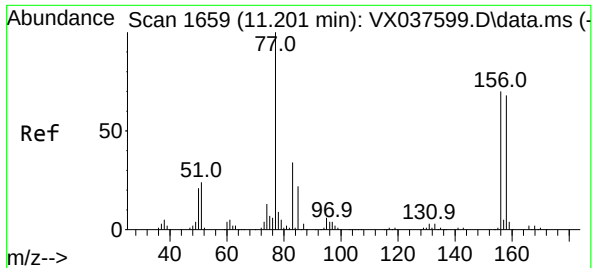
Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Tgt Ion:	75	Resp:	72895
Ion	Ratio	Lower	Upper
75	100		
77	43.5	19.1	57.5





#77

Bromobenzene

Concen: 20.606 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

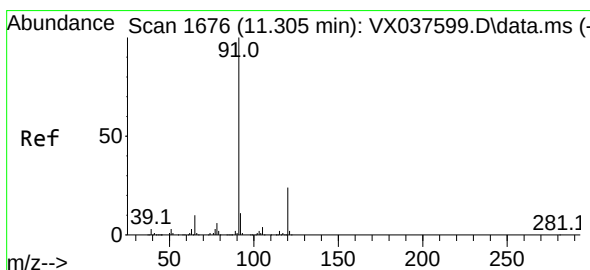
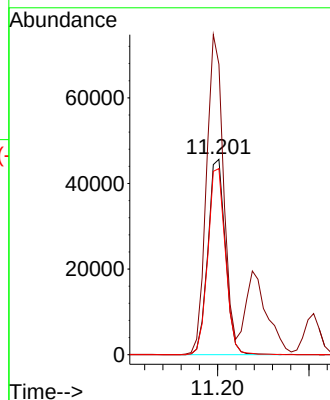
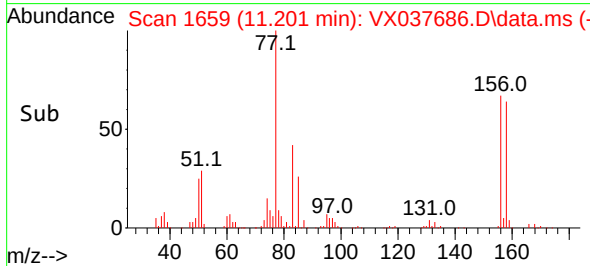
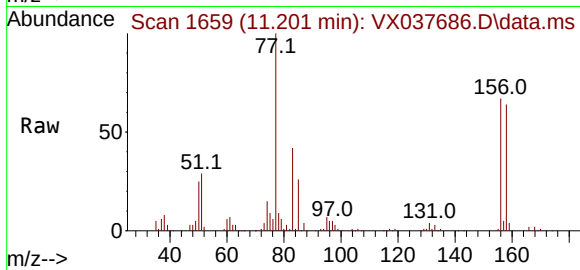
VX0913WBS01

Tgt Ion:	156	Resp:	60392
Ion Ratio	Lower	Upper	
156	100		
77	159.9	88.4	265.3
158	96.0	48.0	144.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#78

n-propylbenzene

Concen: 19.920 ug/l

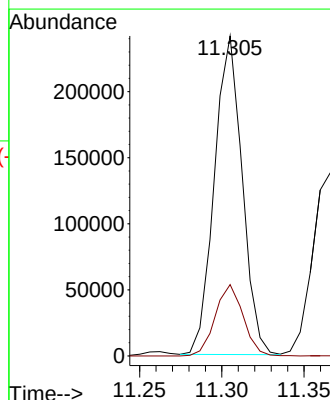
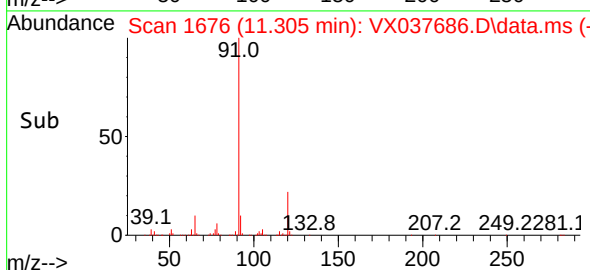
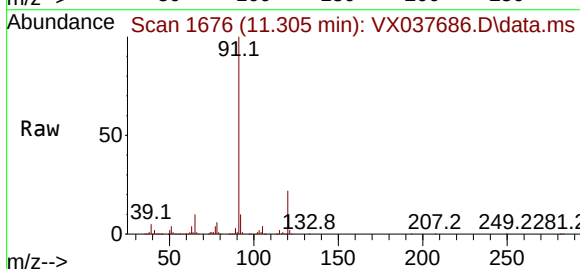
RT: 11.305 min Scan# 1676

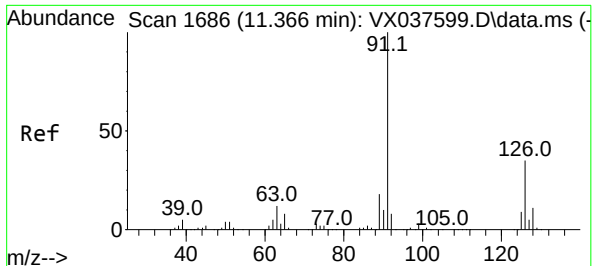
Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Tgt Ion:	91	Resp:	283433
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.5	34.4





#79

2-Chlorotoluene

Concen: 20.013 ug/l

RT: 11.366 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion: 91 Resp: 175280

Ion Ratio Lower Upper

91 100

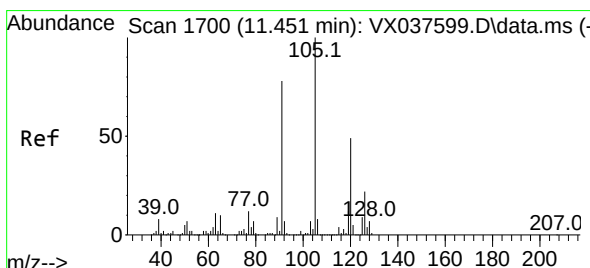
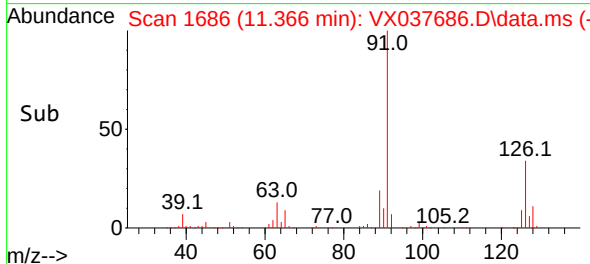
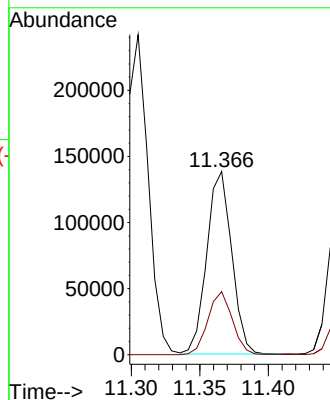
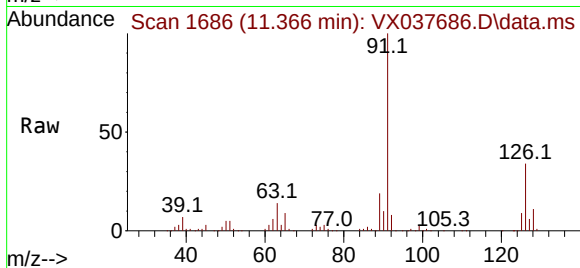
126 34.0 16.3 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#80

1,3,5-Trimethylbenzene

Concen: 20.608 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX037686.D

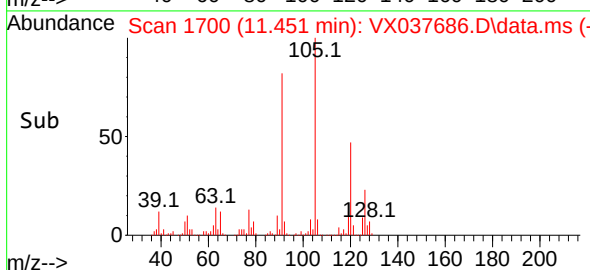
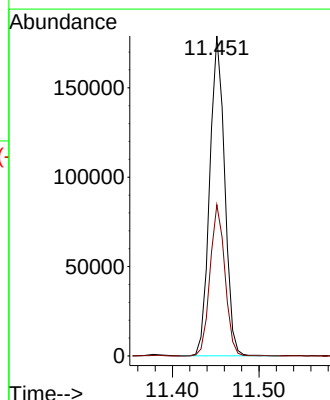
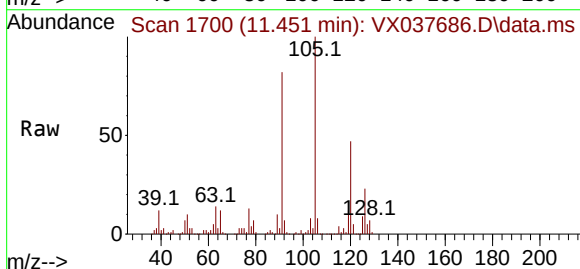
Acq: 13 Sep 2023 11:36

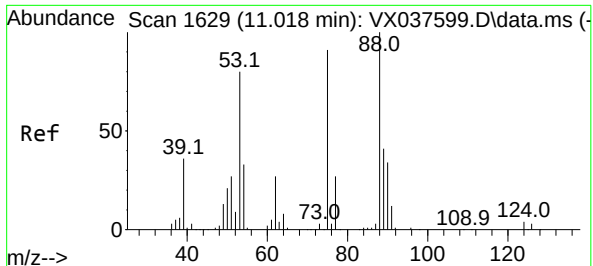
Tgt Ion:105 Resp: 214201

Ion Ratio Lower Upper

105 100

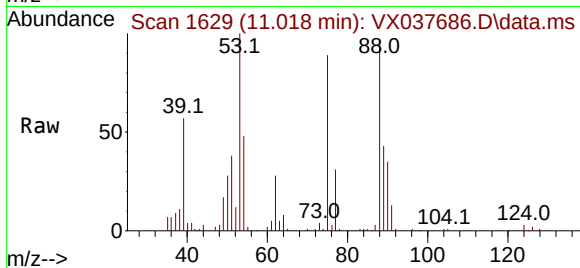
120 47.0 24.1 72.3





#81
trans-1,4-Dichloro-2-butene
Concen: 19.237 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX037686.D
Acq: 13 Sep 2023 11:36

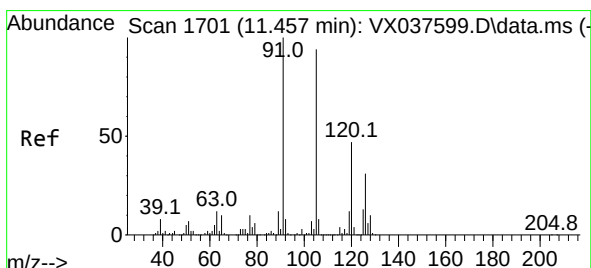
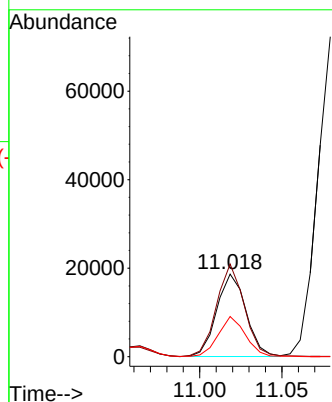
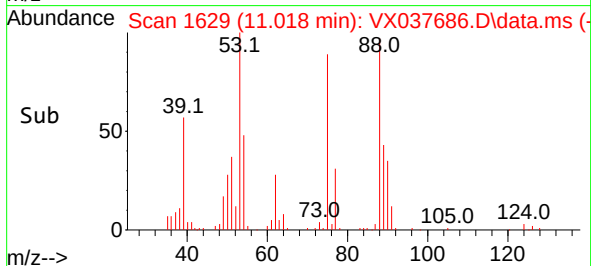
Instrument :
MSVOA_X
ClientSampleId :
VX0913WBS01



Tgt Ion: 75 Resp: 2298
Ion Ratio Lower Upper
75 100
53 107.9 90.5 135.7
89 46.0 36.9 55.3

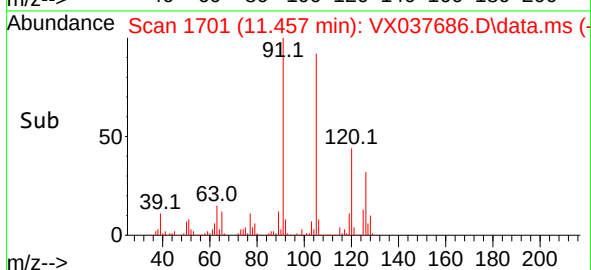
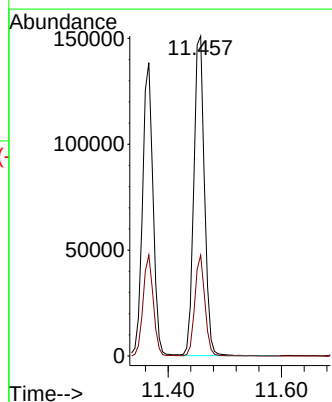
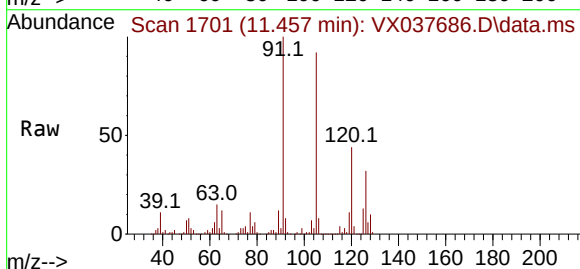
Manual Integrations
APPROVED

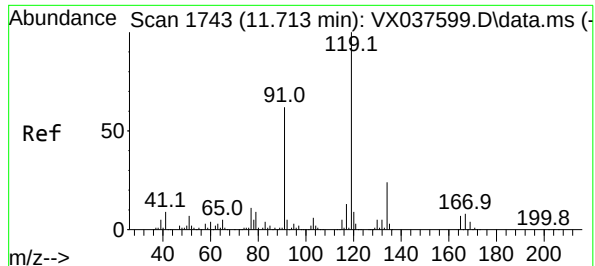
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#82
4-Chlorotoluene
Concen: 19.693 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX037686.D
Acq: 13 Sep 2023 11:36

Tgt Ion: 91 Resp: 197031
Ion Ratio Lower Upper
91 100
126 29.6 14.2 42.6





#83

tert-Butylbenzene

Concen: 20.526 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

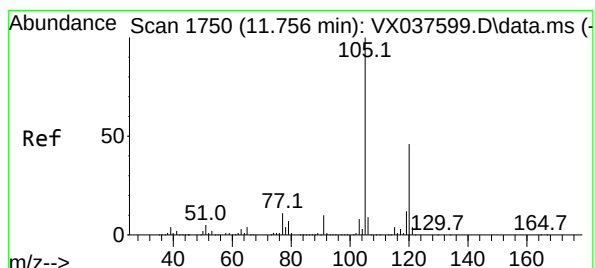
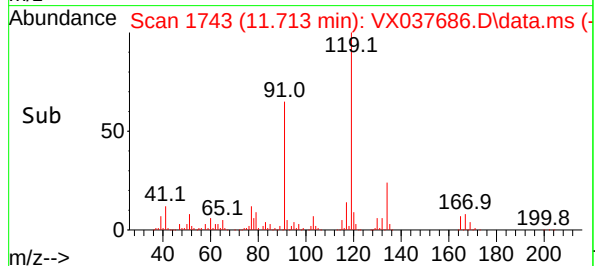
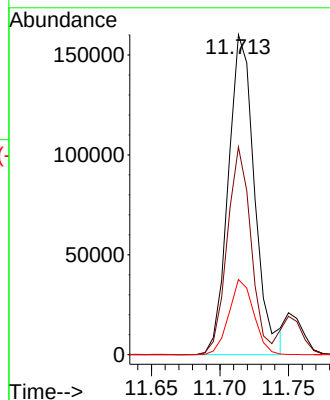
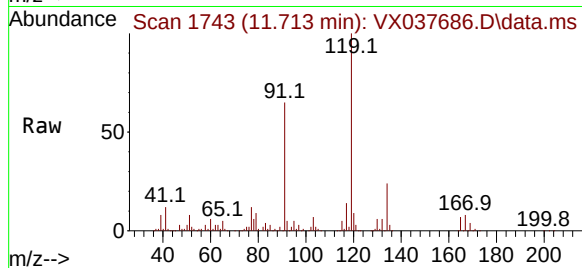
Tgt Ion:	119	Resp:	214328
Ion Ratio	Lower	Upper	
119	100		
91	59.1	31.2	93.6
134	22.3	11.7	35.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#84

1,2,4-Trimethylbenzene

Concen: 20.356 ug/l

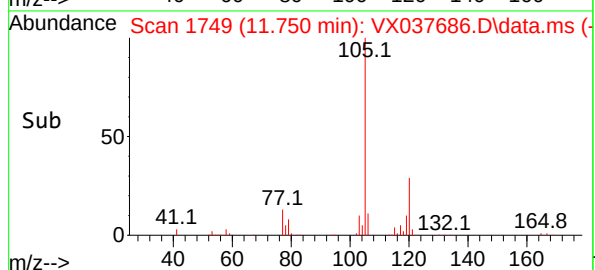
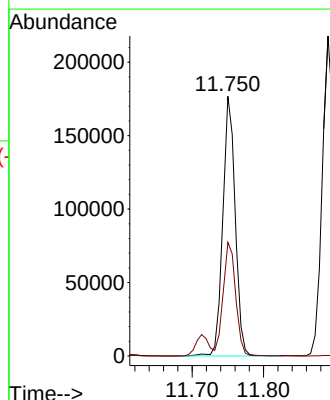
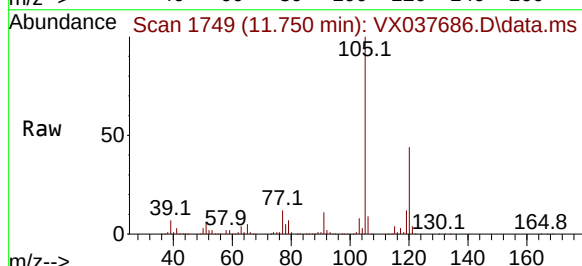
RT: 11.750 min Scan# 1749

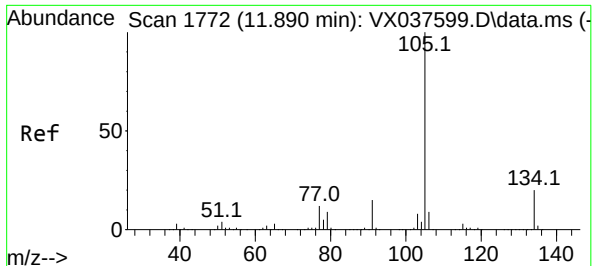
Delta R.T. -0.006 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Tgt Ion:	105	Resp:	213310
Ion Ratio	Lower	Upper	
105	100		
120	43.9	21.2	63.6





#85

sec-Butylbenzene

Concen: 20.155 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion:105 Resp: 259819

Ion Ratio Lower Upper

105 100

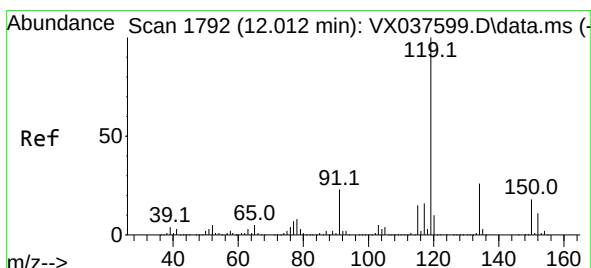
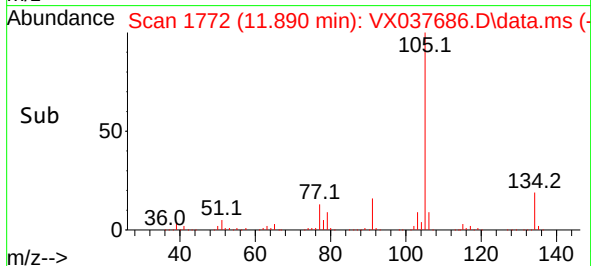
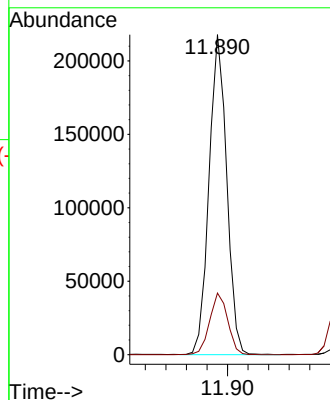
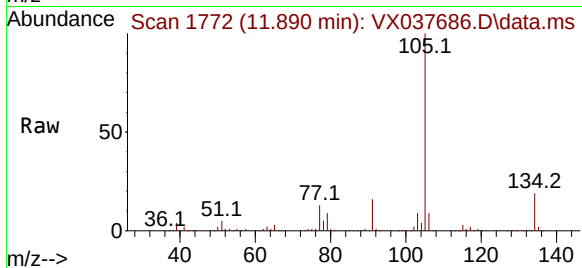
134 19.7 9.8 29.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#86

p-Isopropyltoluene

Concen: 20.365 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

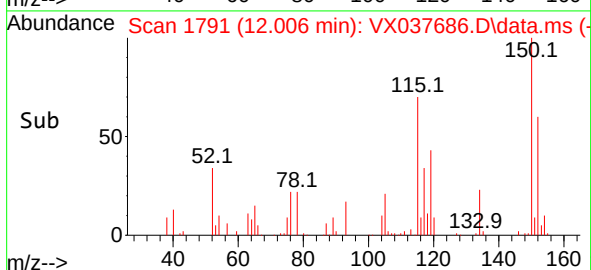
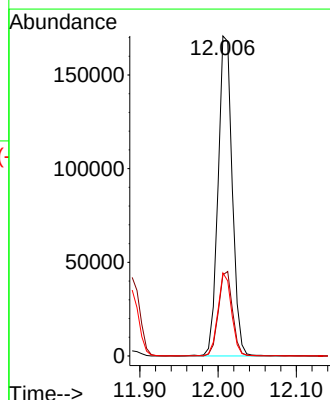
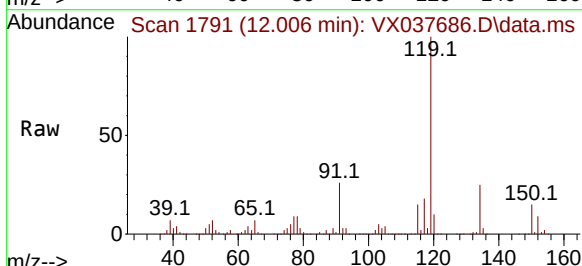
Tgt Ion:119 Resp: 215125

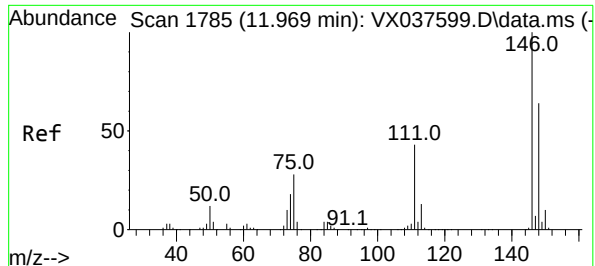
Ion Ratio Lower Upper

119 100

134 26.1 12.8 38.3

91 25.1 13.1 39.3





#87

1,3-Dichlorobenzene

Concen: 19.671 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion:146 Resp: 110690

Ion Ratio Lower Upper

146 100

111 40.9 22.1 66.1

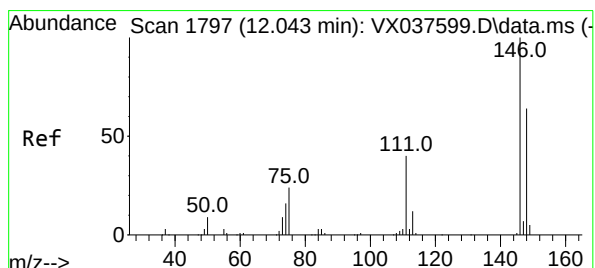
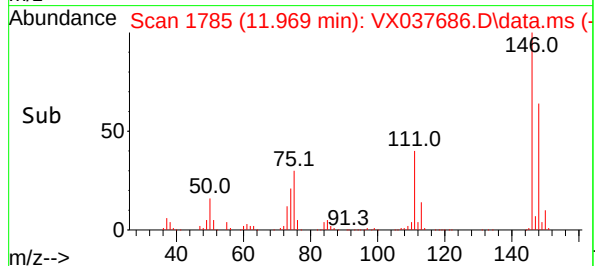
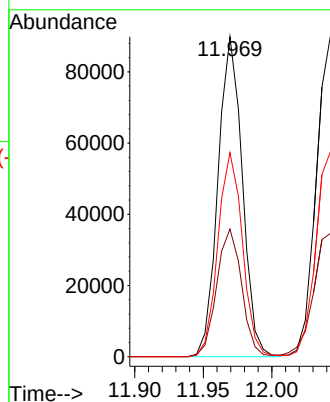
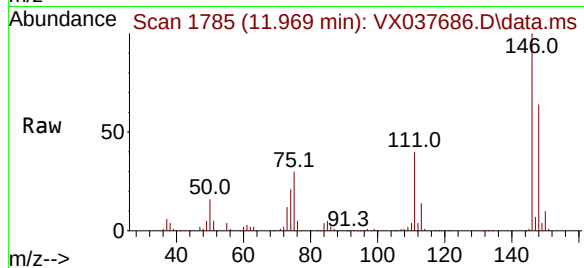
148 64.5 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#88

1,4-Dichlorobenzene

Concen: 19.244 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

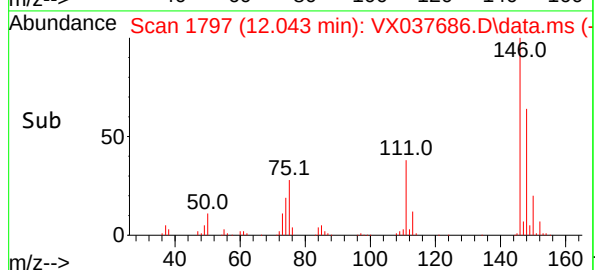
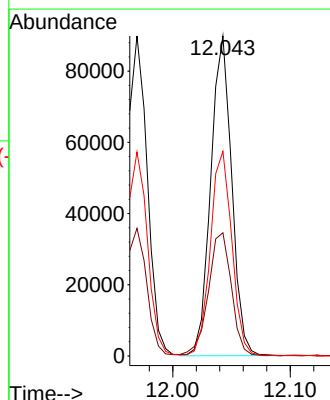
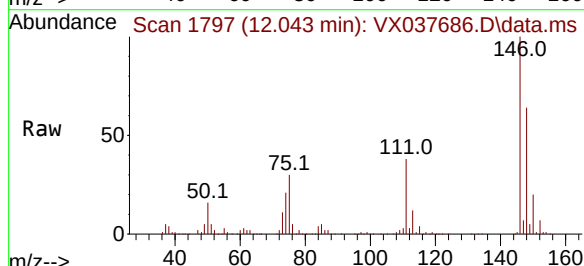
Tgt Ion:146 Resp: 111300

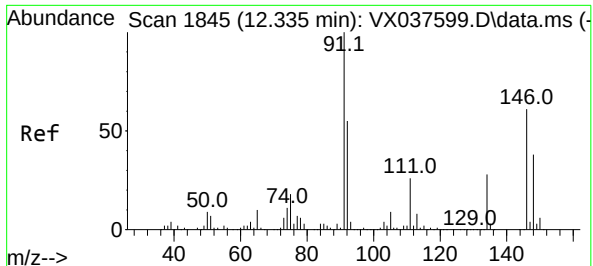
Ion Ratio Lower Upper

146 100

111 42.6 21.3 63.7

148 65.8 31.8 95.4





#89

n-Butylbenzene

Concen: 19.428 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion: 91 Resp: 185874

Ion Ratio Lower Upper

91 100

92 51.7 27.4 82.0

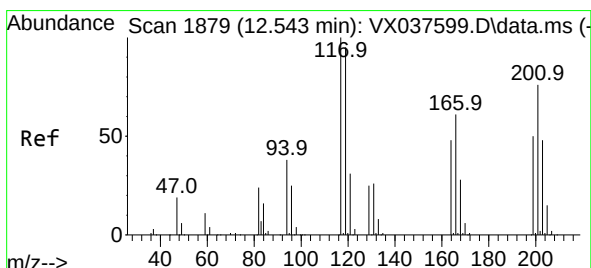
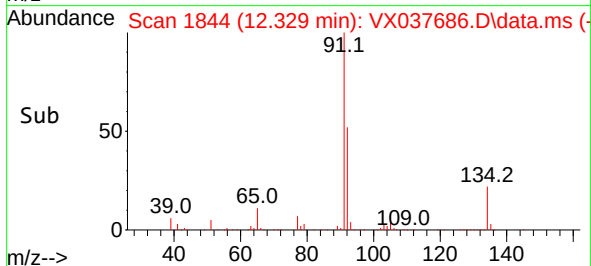
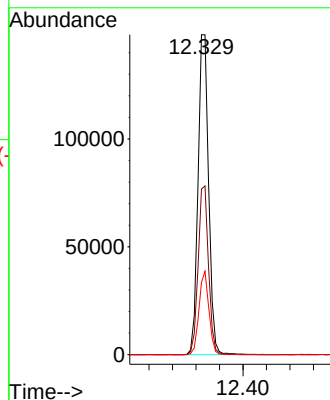
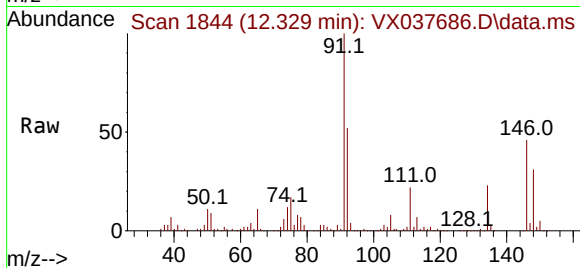
134 24.4 12.6 37.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#90

Hexachloroethane

Concen: 19.915 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.006 min

Lab File: VX037686.D

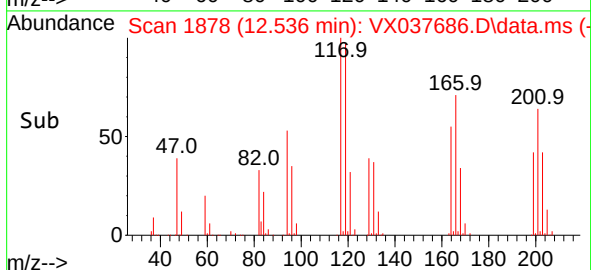
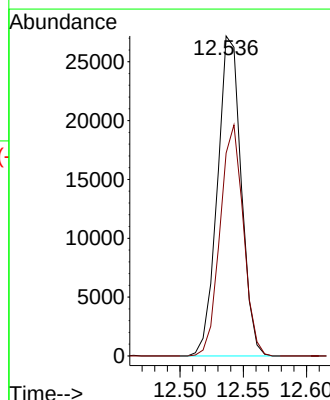
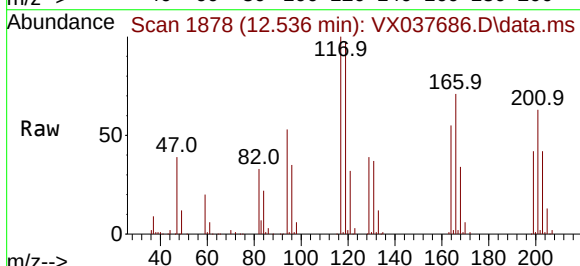
Acq: 13 Sep 2023 11:36

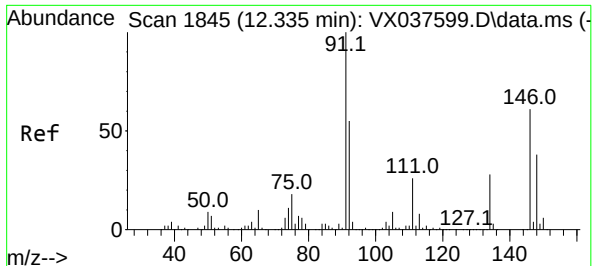
Tgt Ion:117 Resp: 35498

Ion Ratio Lower Upper

117 100

201 70.6 32.9 98.6





#91

1,2-Dichlorobenzene

Concen: 20.107 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

Tgt Ion:146 Resp: 113208

Ion Ratio Lower Upper

146 100

111 42.5 22.4 67.0

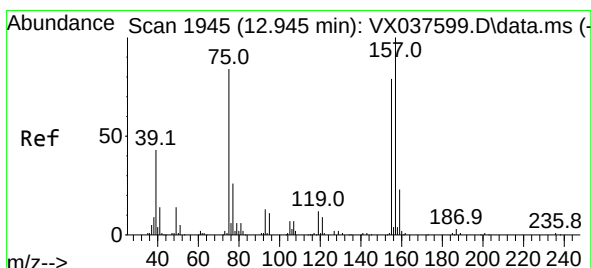
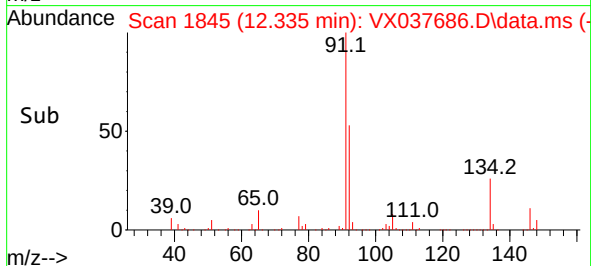
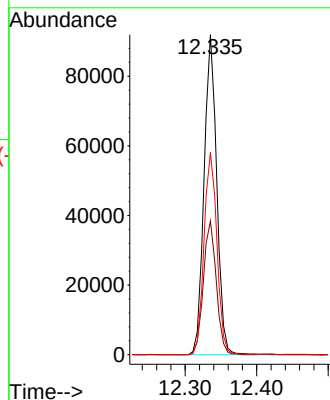
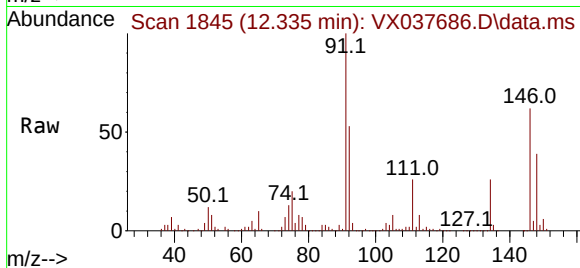
148 64.5 31.6 95.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.242 ug/l

RT: 12.945 min Scan# 1945

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

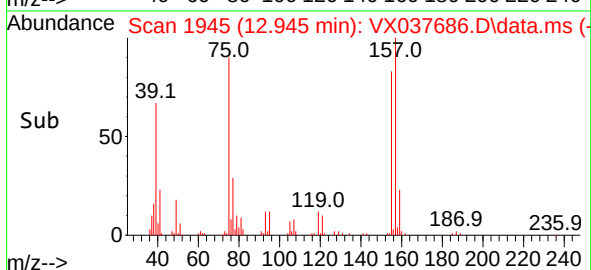
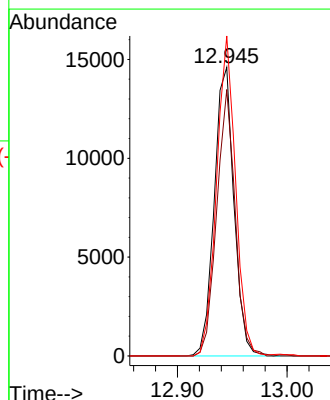
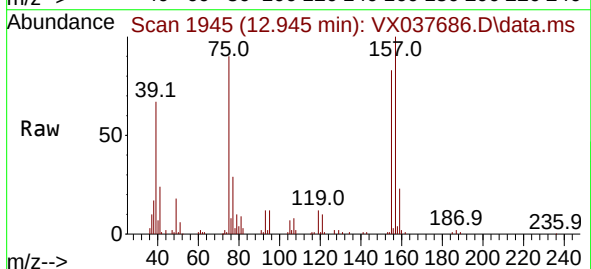
Tgt Ion: 75 Resp: 18286

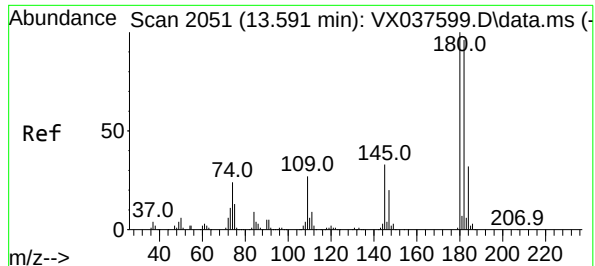
Ion Ratio Lower Upper

75 100

155 86.3 36.1 108.5

157 106.9 44.9 134.7





#93

1,2,4-Trichlorobenzene

Concen: 19.503 ug/l

RT: 13.585 min Scan# 2051

Delta R.T. -0.006 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

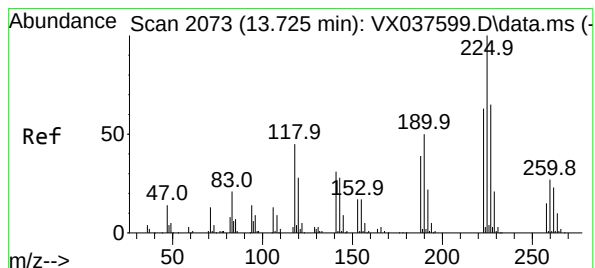
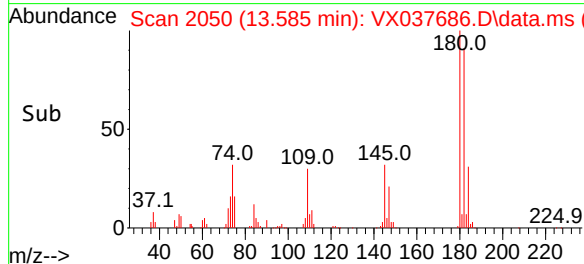
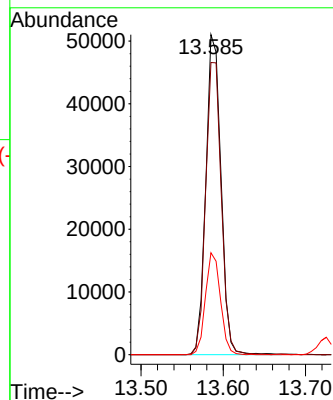
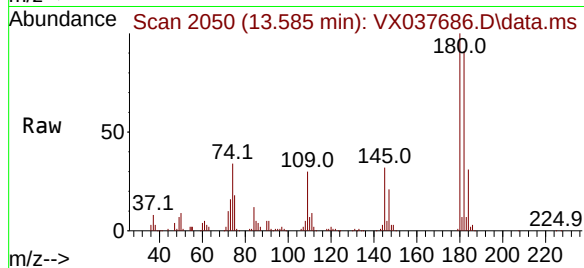
Tgt Ion:180	Resp:	6539
Ion Ratio	Lower	Upper
180	100	
182	94.1	48.3 144.8
145	31.4	18.0 54.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#94

Hexachlorobutadiene

Concen: 21.206 ug/l

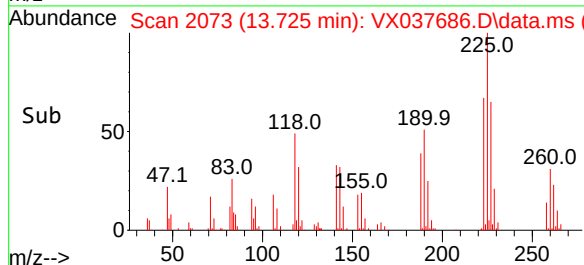
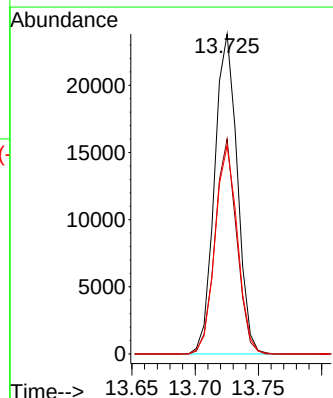
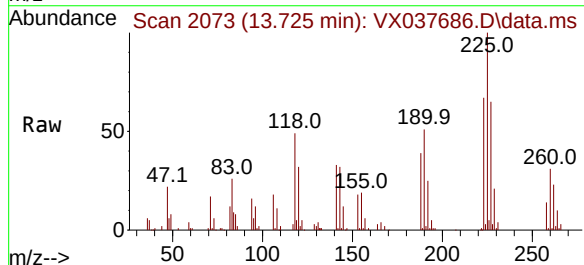
RT: 13.725 min Scan# 2073

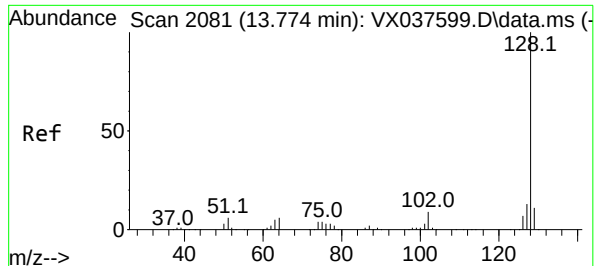
Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Tgt Ion:225	Resp:	29703
Ion Ratio	Lower	Upper
225	100	
223	63.8	31.1 93.2
227	64.3	32.5 97.5





#95

Naphthalene

Concen: 19.391 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Instrument :

MSVOA_X

ClientSampleId :

VX0913WBS01

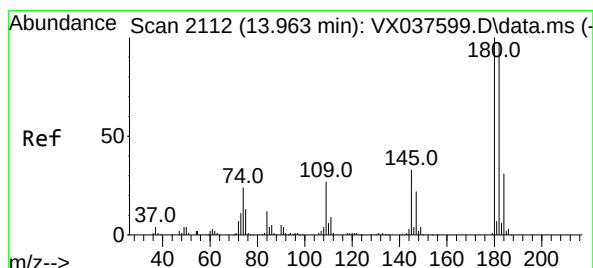
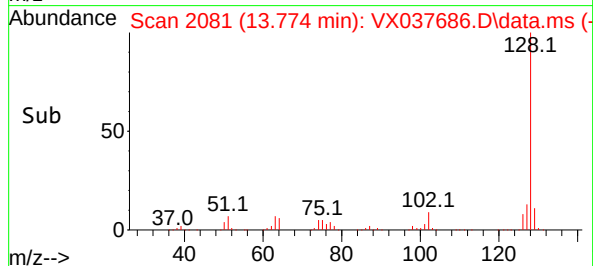
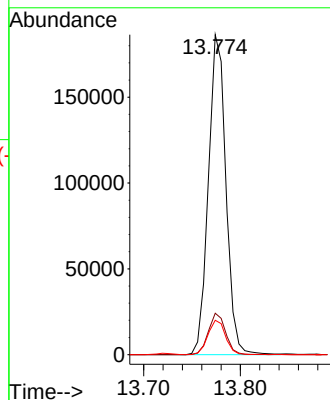
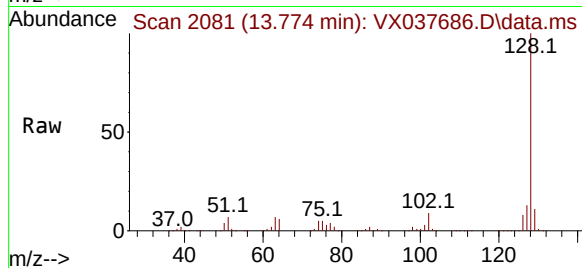
Tgt Ion:128	Resp:	23552
Ion Ratio	Lower	Upper
128	100	
127	12.8	10.3 15.5
129	10.9	8.8 13.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#96

1,2,3-Trichlorobenzene

Concen: 19.592 ug/l

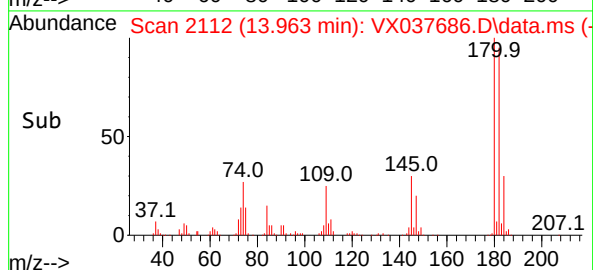
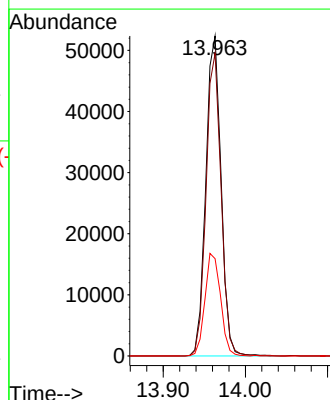
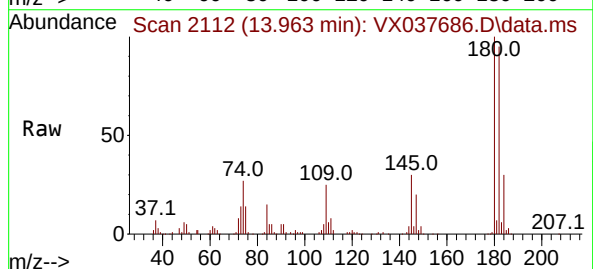
RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX037686.D

Acq: 13 Sep 2023 11:36

Tgt Ion:180	Resp:	67403
Ion Ratio	Lower	Upper
180	100	
182	93.4	46.9 140.6
145	33.0	17.8 53.5





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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1042-MW-02(23.8)MS	SDG No.:	O4373
Lab Sample ID:	O4373-08MS	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037705.D	1		09/13/23 19:21	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	36.9		0.14	1.00	ug/L
74-87-3	Chloromethane	53.2		0.25	1.00	ug/L
75-01-4	Vinyl Chloride	48.9		0.25	1.00	ug/L
74-83-9	Bromomethane	46.1		1.60	5.00	ug/L
75-00-3	Chloroethane	51.7		0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	43.8		0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	39.7		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	51.4		0.21	1.00	ug/L
67-64-1	Acetone	360		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	45.1		0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	68.9		0.14	1.00	ug/L
79-20-9	Methyl Acetate	55.6		0.36	1.00	ug/L
75-09-2	Methylene Chloride	67.9		0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	56.1		0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	59.9		0.16	1.00	ug/L
110-82-7	Cyclohexane	42.9		1.60	5.00	ug/L
78-93-3	2-Butanone	350		1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	42.6		0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	110		0.20	1.00	ug/L
74-97-5	Bromochloromethane	66.3		0.14	1.00	ug/L
67-66-3	Chloroform	61.9		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	54.0		0.14	1.00	ug/L
108-87-2	Methylcyclohexane	32.1		0.16	1.00	ug/L
71-43-2	Benzene	51.4		0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	54.8		0.16	1.00	ug/L
79-01-6	Trichloroethene	74.5		0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	55.1		0.15	1.00	ug/L
75-27-4	Bromodichloromethane	56.6		0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	310		0.74	5.00	ug/L
108-88-3	Toluene	50.7		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	51.4		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	49.9		0.15	1.00	ug/L



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1042-MW-02(23.8)MS	SDG No.:	O4373
Lab Sample ID:	O4373-08MS	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037705.D	1		09/13/23 19:21	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	60.3		0.13	1.00	ug/L
591-78-6	2-Hexanone	300		0.98	5.00	ug/L
124-48-1	Dibromochloromethane	61.1		0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	60.8		0.13	1.00	ug/L
127-18-4	Tetrachloroethene	94.4		0.17	1.00	ug/L
108-90-7	Chlorobenzene	49.6		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	45.5		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	92.7		0.31	2.00	ug/L
95-47-6	o-Xylene	49.4		0.15	1.00	ug/L
100-42-5	Styrene	50.9		0.13	1.00	ug/L
75-25-2	Bromoform	60.1		0.15	1.00	ug/L
98-82-8	Isopropylbenzene	45.9		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	57.7		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	48.1		0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	48.4		0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	53.1		0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	60.7		0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	46.2		0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	49.5		0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	66.1	*	74 - 125	132%	SPK: 50
1868-53-7	Dibromofluoromethane	56.0		75 - 124	112%	SPK: 50
2037-26-5	Toluene-d8	51.7		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8		64 - 133	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	131000	5.556			
540-36-3	1,4-Difluorobenzene	276000	6.763			
3114-55-4	Chlorobenzene-d5	281000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	134000	12.024			



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

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1042-MW-02(23.8)MS	SDG No.:	O4373
Lab Sample ID:	O4373-08MS	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037705.D	1		09/13/23 19:21	VX091323

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_X\Data\VX091323\
 Data File : VX037705.D
 Acq On : 13 Sep 2023 19:21
 Operator : JC/MD
 Sample : 04373-08MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1042-MW-02(23.8)MS

Quant Time: Sep 14 02:24:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 09/14/2023
 Supervised By :Mahesh Dadoda 09/14/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	131443	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	276377	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	280675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	134397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	140481	66.057	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 132.120%#			
35) Dibromofluoromethane	5.385	113	109686	55.991	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.980%			
50) Toluene-d8	8.647	98	381648	51.656	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.320%			
62) 4-Bromofluorobenzene	11.079	95	140740	52.801	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.600%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	53150	36.881	ug/l	100
3) Chloromethane	1.301	50	87391	53.231	ug/l	100
4) Vinyl Chloride	1.374	62	90305	48.897	ug/l	99
5) Bromomethane	1.599	94	71143	46.053	ug/l	99
6) Chloroethane	1.666	64	65618	51.675	ug/l	99
7) Trichlorofluoromethane	1.874	101	133767	43.778	ug/l	100
8) Diethyl Ether	2.136	74	78783	64.967	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.325	101	54357	39.685	ug/l	98
10) Methyl Iodide	2.447	142	109373	67.615	ug/l	93
11) Tert butyl alcohol	2.977	59	144382	331.516	ug/l	# 92
12) 1,1-Dichloroethene	2.313	96	69501	51.394	ug/l	90
13) Acrolein	2.239	56	121508	349.699	ug/l	99
14) Allyl chloride	2.660	41	125437	52.948	ug/l	95
15) Acrylonitrile	3.068	53	348584	357.414	ug/l	99
16) Acetone	2.386	43	311711	362.550	ug/l	91
17) Carbon Disulfide	2.508	76	154966	45.077	ug/l	100
18) Methyl Acetate	2.703	43	201922	55.613	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	368031	68.936	ug/l	100
20) Methylene Chloride	2.788	84	112140	67.913	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	87308	56.115	ug/l	92
22) Diisopropyl ether	3.763	45	331150	64.163	ug/l	# 84
23) Vinyl Acetate	3.721	43	983237	261.188	ug/l	96
24) 1,1-Dichloroethane	3.605	63	180278	59.943	ug/l	100
25) 2-Butanone	4.562	43	485433	346.269	ug/l	91
26) 2,2-Dichloropropane	4.471	77	42386	20.260	ug/l	# 65
27) cis-1,2-Dichloroethene	4.489	96	205438	108.280	ug/l	84
28) Bromochloromethane	4.897	49	100664	66.250	ug/l	88
29) Tetrahydrofuran	5.007	42	309949	347.188	ug/l	90
30) Chloroform	5.099	83	200949	61.868	ug/l	97
31) Cyclohexane	5.470	56	105171	42.947	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	145921	53.979	ug/l	98
36) 1,1-Dichloropropene	5.690	75	108885	40.858	ug/l	97
37) Ethyl Acetate	4.715	43	147579	48.398	ug/l	97
38) Carbon Tetrachloride	5.678	117	115994	42.606	ug/l	96
39) Methylcyclohexane	7.379	83	101117	32.065	ug/l	90
40) Benzene	6.037	78	415441	51.422	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
 Data File : VX037705.D
 Acq On : 13 Sep 2023 19:21
 Operator : JC/MD
 Sample : 04373-08MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1042-MW-02(23.8)MS

Quant Time: Sep 14 02:24:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 09/14/2023
 Supervised By :Mahesh Dadoda 09/14/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	98243	61.167	ug/l #	91
42) 1,2-Dichloroethane	6.086	62	173093	54.817	ug/l	98
43) Isopropyl Acetate	6.342	43	253911	52.194	ug/l	97
44) Trichloroethene	7.123	130	150423	74.522	ug/l	97
45) 1,2-Dichloropropane	7.434	63	117498	55.109	ug/l	100
46) Dibromomethane	7.580	93	91498	58.989	ug/l	94
47) Bromodichloromethane	7.824	83	158388	56.564	ug/l	95
48) Methyl methacrylate	7.696	41	140018	59.542	ug/l #	86
49) 1,4-Dioxane	7.659	88	67498	1158.521	ug/l #	89
51) 4-Methyl-2-Pentanone	8.574	43	987330	309.086	ug/l	96
52) Toluene	8.720	92	263181	50.665	ug/l	95
53) t-1,3-Dichloropropene	8.982	75	145867	51.382	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	155423	49.894	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	131922	60.312	ug/l	95
56) Ethyl methacrylate	9.116	69	202624	60.546	ug/l	92
57) 1,3-Dichloropropane	9.311	76	210835	57.465	ug/l	100
59) 2-Hexanone	9.433	43	734286	297.798	ug/l	93
60) Dibromochloromethane	9.525	129	131198	61.065	ug/l	99
61) 1,2-Dibromoethane	9.610	107	142975	60.811	ug/l	99
64) Tetrachloroethene	9.275	164	171578	94.351	ug/l	98
65) Chlorobenzene	10.079	112	296927	49.633	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	115447	55.993	ug/l	98
67) Ethyl Benzene	10.195	91	484308	45.491	ug/l	99
68) m/p-Xylenes	10.305	106	376288	92.695	ug/l	98
69) o-Xylene	10.640	106	199933	49.399	ug/l	98
70) Styrene	10.652	104	336193	50.915	ug/l	96
71) Bromoform	10.799	173	97023	60.138	ug/l #	100
73) Isopropylbenzene	10.963	105	461454	45.860	ug/l	99
74) N-amyl acetate	10.841	43	198129	45.155	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	217349	57.722	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	168213m	56.931	ug/l	
77) Bromobenzene	11.201	156	132065	55.384	ug/l	90
78) n-propylbenzene	11.305	91	500778	43.259	ug/l	99
79) 2-Chlorotoluene	11.366	91	343964	48.269	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	402018	47.539	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	42188	43.402	ug/l	92
82) 4-Chlorotoluene	11.457	91	384483	47.233	ug/l	97
83) tert-Butylbenzene	11.713	119	401908	47.309	ug/l	92
84) 1,2,4-Trimethylbenzene	11.750	105	412536	48.387	ug/l	98
85) sec-Butylbenzene	11.890	105	429765	40.976	ug/l	99
86) p-Isopropyltoluene	12.006	119	359931	41.880	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	220439	48.146	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	227774	48.406	ug/l	98
89) n-Butylbenzene	12.335	91	278782	35.815	ug/l	97
90) Hexachloroethane	12.536	117	67377	46.459	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	243343	53.122	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	46923	60.689	ug/l	83
93) 1,2,4-Trichlorobenzene	13.585	180	125987	46.181	ug/l	96
94) Hexachlorobutadiene	13.725	225	38791	34.039	ug/l	98
95) Naphthalene	13.774	128	557853	56.450	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	138687	49.547	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037705.D
Acq On : 13 Sep 2023 19:21
Operator : JC/MD
Sample : 04373-08MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 14 02:24:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023

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

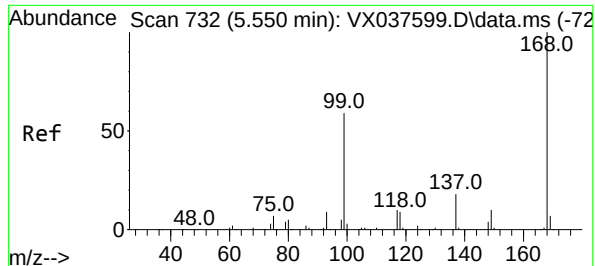
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MS

Manual Integrations

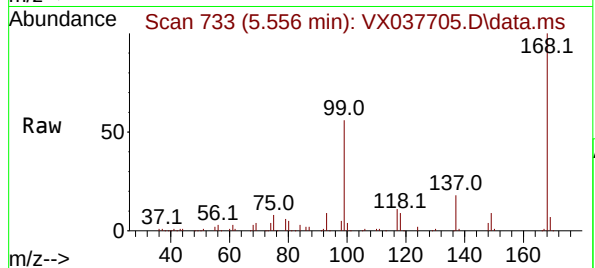
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 732
Delta R.T. 0.006 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21

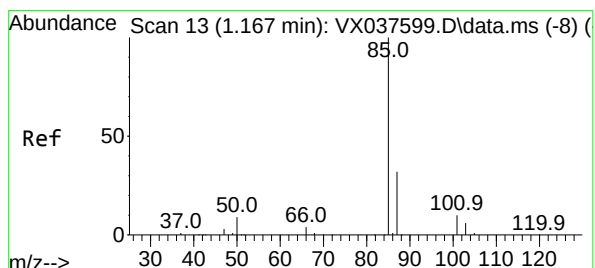
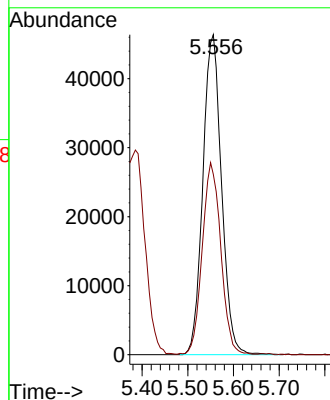
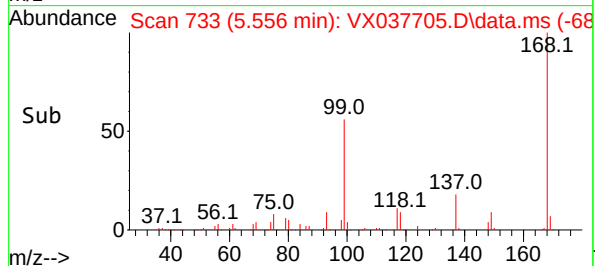
Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MS



Tgt Ion: 168 Resp: 13144
Ion Ratio Lower Upper
168 100
99 56.2 56.6 85.0

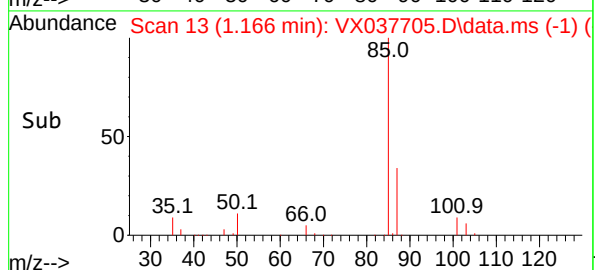
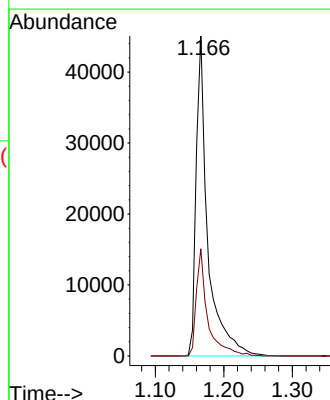
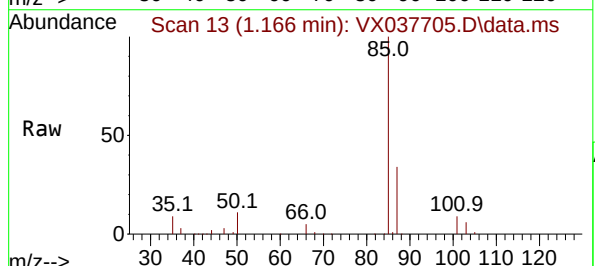
Manual Integrations
APPROVED

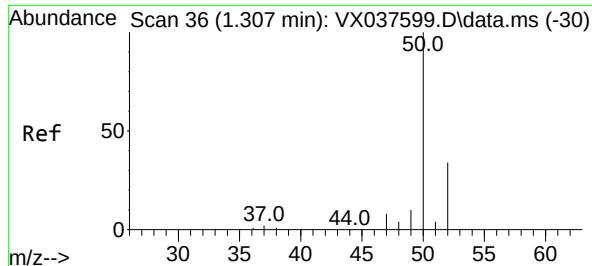
Reviewed By : John Carlone 09/14/2023
Supervised By : Mahesh Dadoda 09/14/2023



#2
Dichlorodifluoromethane
Concen: 36.881 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21

Tgt Ion: 85 Resp: 53150
Ion Ratio Lower Upper
85 100
87 33.5 16.7 50.1





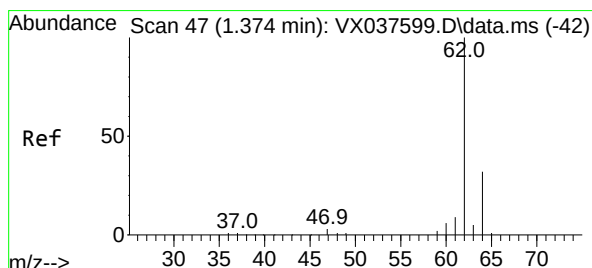
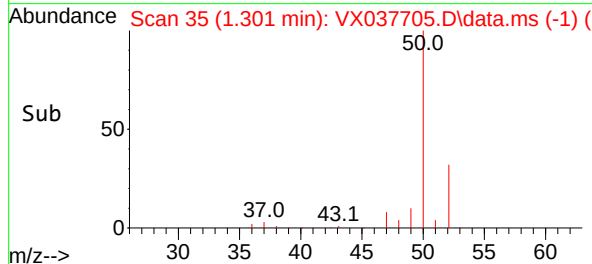
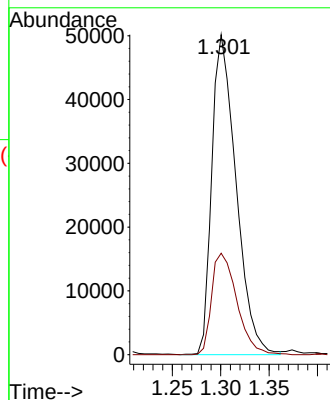
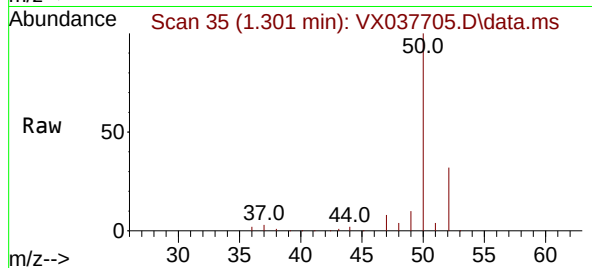
#3
Chloromethane
Concen: 53.231 ug/l
RT: 1.301 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21

Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MS

Tgt Ion: 50 Resp: 8739
Ion Ratio Lower Upper
50 100
52 31.7 25.5 38.3

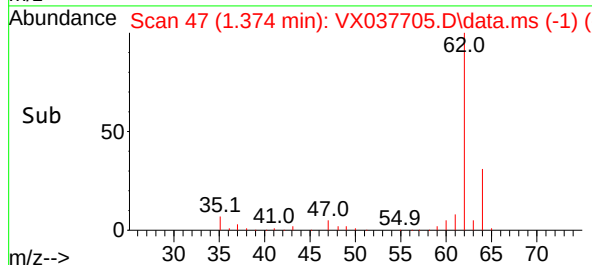
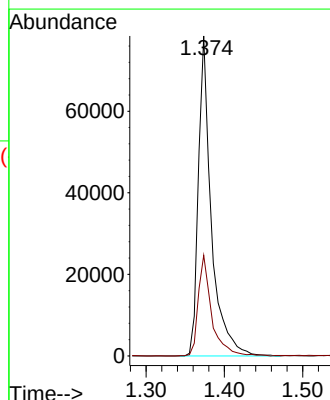
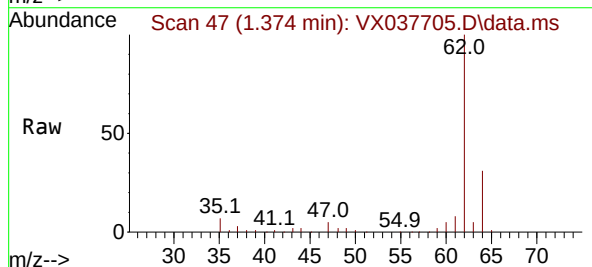
Manual Integrations
APPROVED

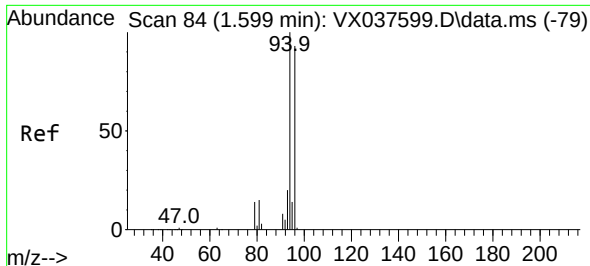
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#4
Vinyl Chloride
Concen: 48.897 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21

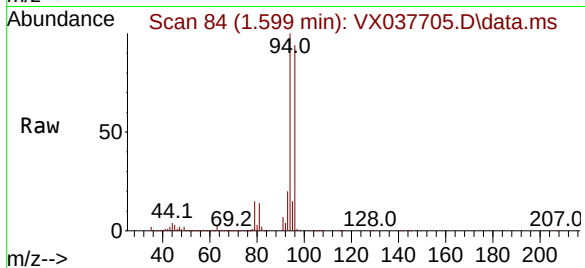
Tgt Ion: 62 Resp: 90305
Ion Ratio Lower Upper
62 100
64 31.4 25.4 38.0





#5
Bromomethane
Concen: 46.053 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21

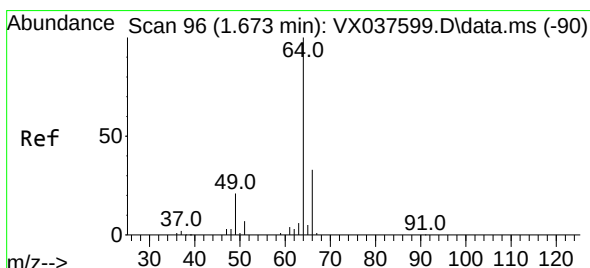
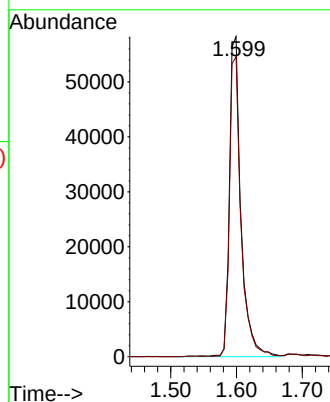
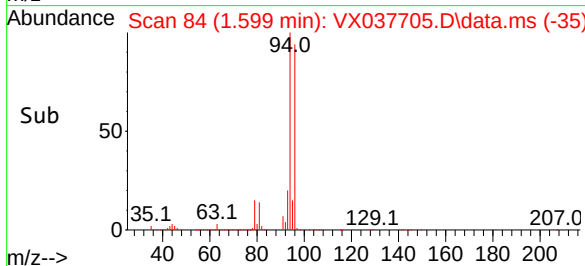
Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MS



Tgt Ion: 94 Resp: 7114
Ion Ratio Lower Upper
94 100
96 93.8 74.6 111.8

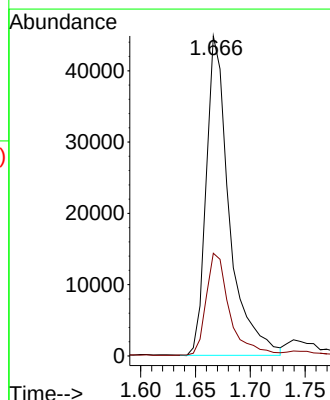
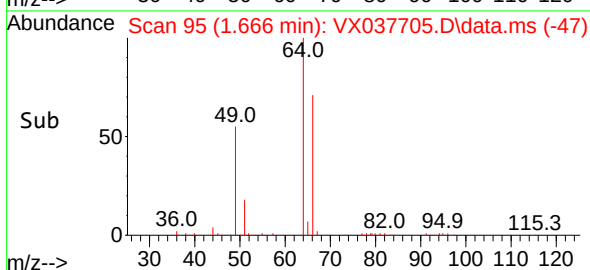
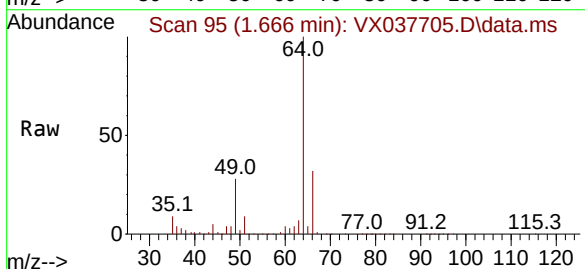
Manual Integrations
APPROVED

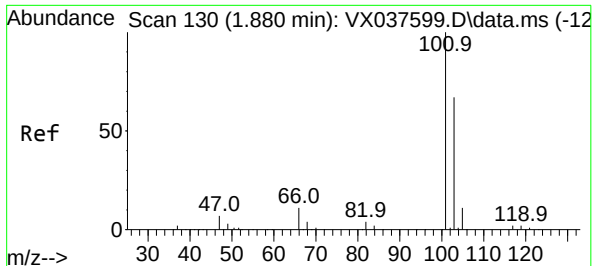
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#6
Chloroethane
Concen: 51.675 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.007 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21

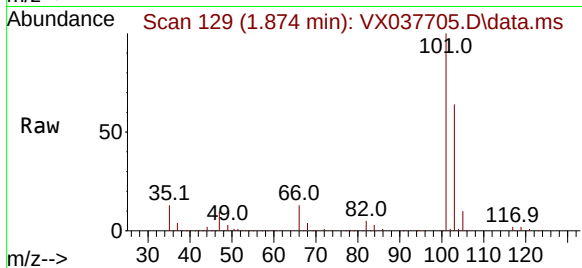
Tgt Ion: 64 Resp: 65618
Ion Ratio Lower Upper
64 100
66 31.9 25.1 37.7





#7
Trichlorofluoromethane
Concen: 43.778 ug/l
RT: 1.874 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21

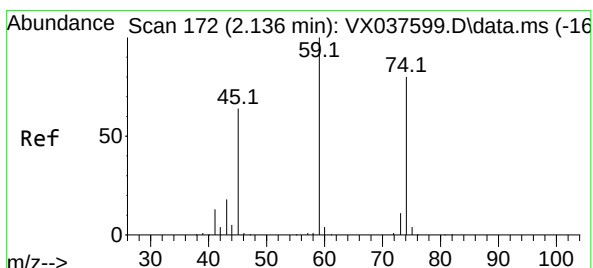
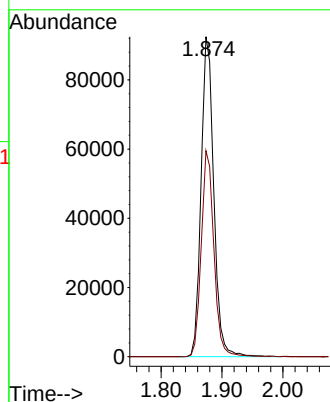
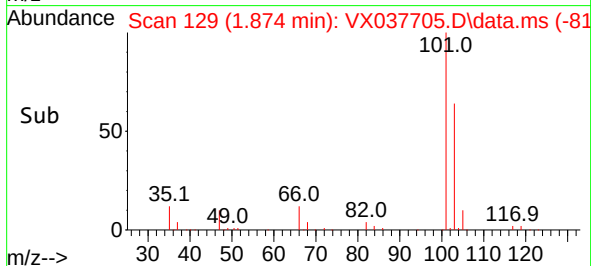
Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MS



Tgt Ion:101 Resp: 13376
Ion Ratio Lower Upper
101 100
103 64.4 51.4 77.2

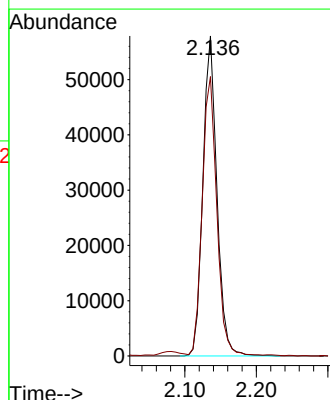
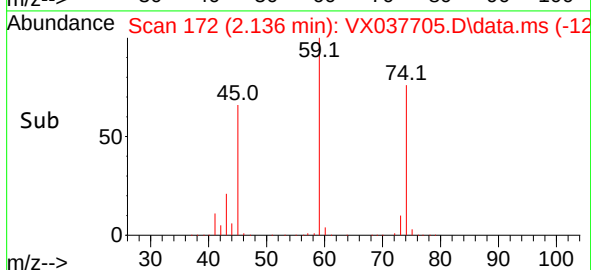
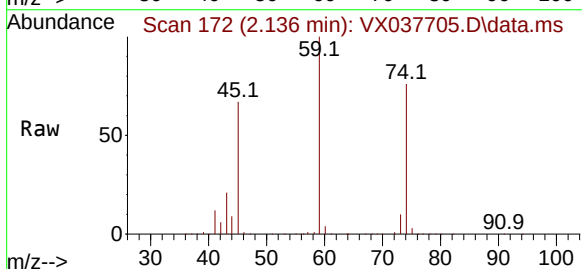
Manual Integrations
APPROVED

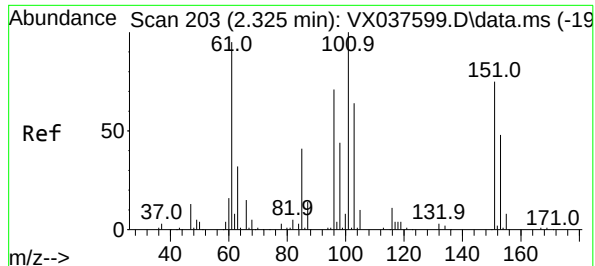
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#8
Diethyl Ether
Concen: 64.967 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21

Tgt Ion: 74 Resp: 78783
Ion Ratio Lower Upper
74 100
45 89.8 53.3 159.8





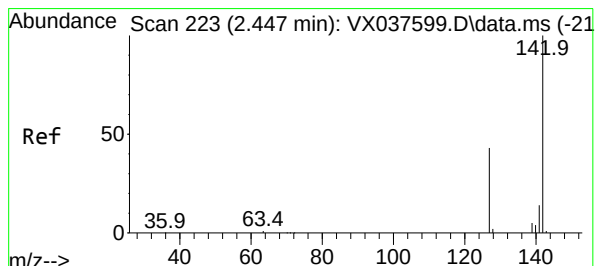
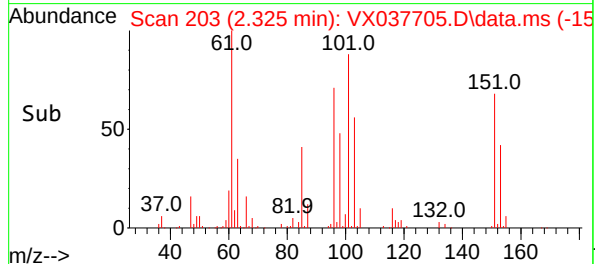
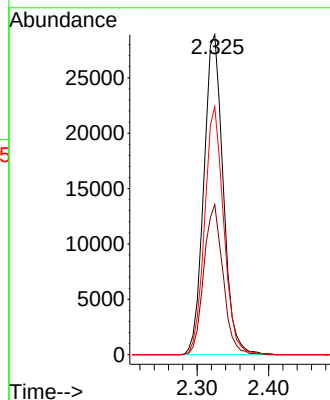
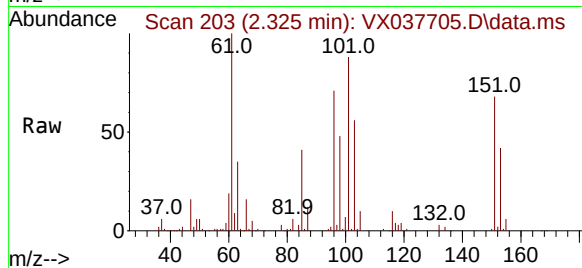
#9
1,1,2-Trichlorotrifluoroethane
Concen: 39.685 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21

Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MS

Tgt Ion:101 Resp: 5435
Ion Ratio Lower Upper
101 100
85 46.4 37.0 55.6
151 76.5 58.6 87.8

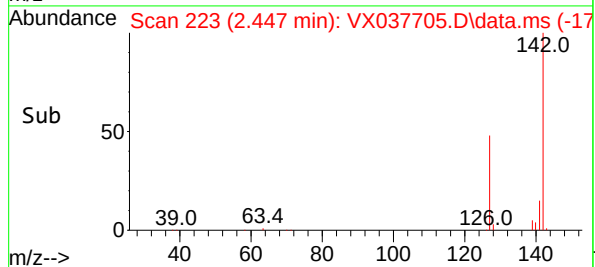
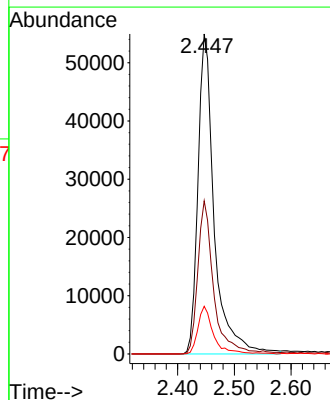
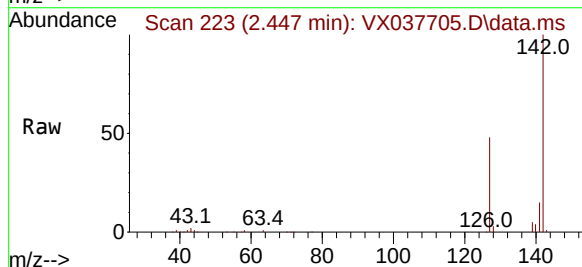
Manual Integrations
APPROVED

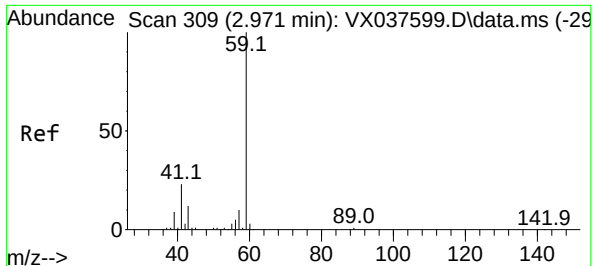
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#10
Methyl Iodide
Concen: 67.615 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21

Tgt Ion:142 Resp: 109373
Ion Ratio Lower Upper
142 100
127 46.2 41.6 62.4
141 14.3 11.6 17.4





#11

Tert butyl alcohol

Concen: 331.516 ug/l

RT: 2.977 min Scan# 310

Delta R.T. 0.006 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion: 59 Resp: 14438

Ion Ratio Lower Upper

59 100

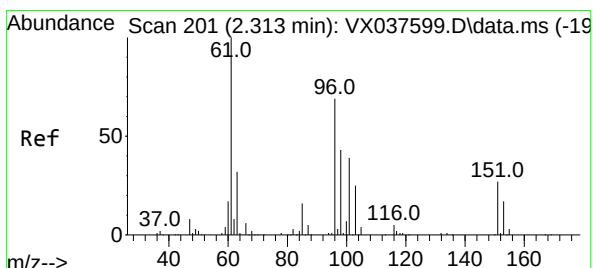
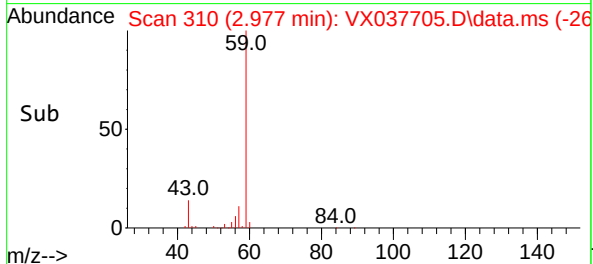
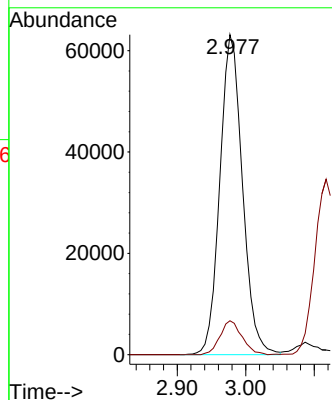
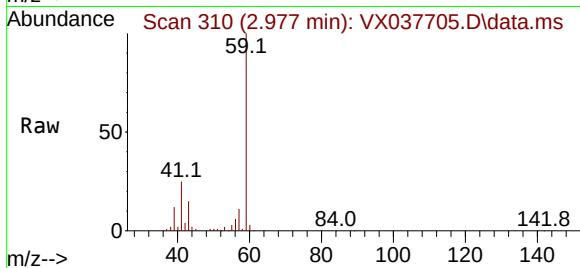
57 10.3 6.0 9.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#12

1,1-Dichloroethene

Concen: 51.394 ug/l

RT: 2.313 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

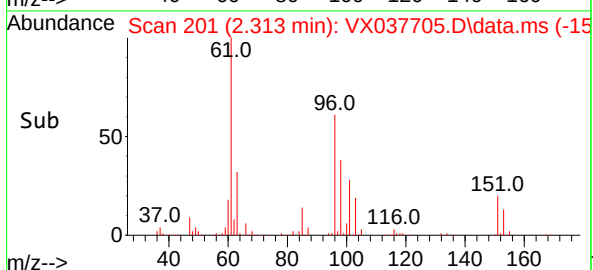
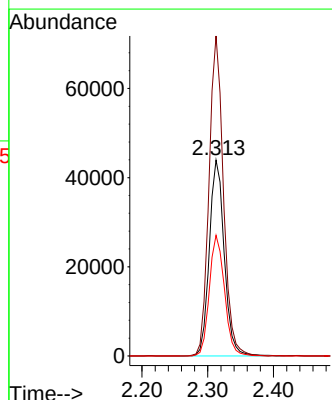
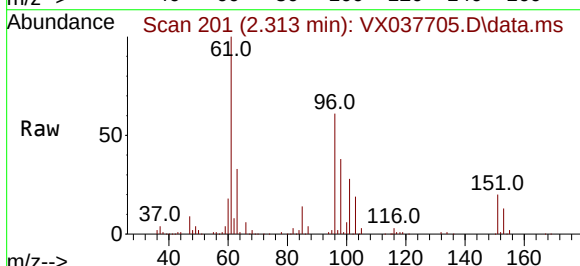
Tgt Ion: 96 Resp: 69501

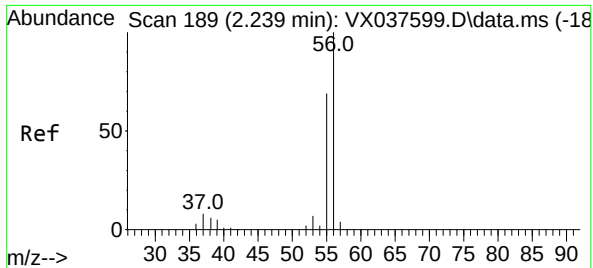
Ion Ratio Lower Upper

96 100

61 163.4 144.6 216.8

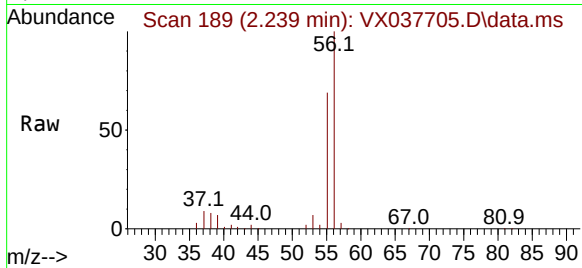
98 61.6 50.4 75.6





#13
Acrolein
Concen: 349.699 ug/l
RT: 2.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21

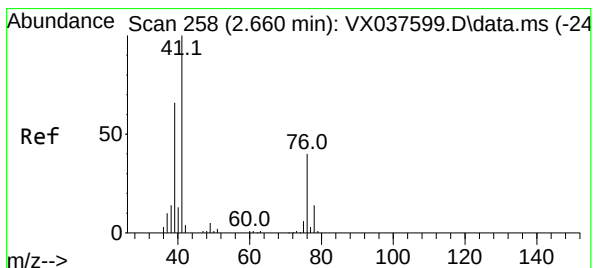
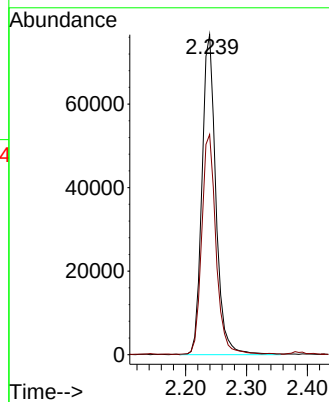
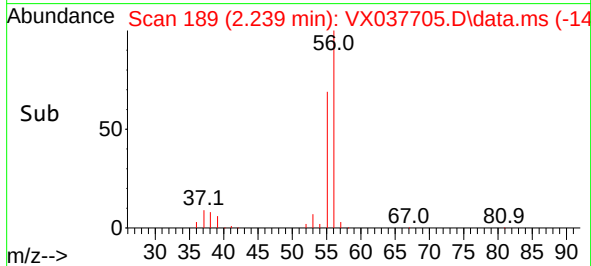
Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MS



Tgt Ion: 56 Resp: 121508
Ion Ratio Lower Upper
56 100
55 70.2 57.1 85.7

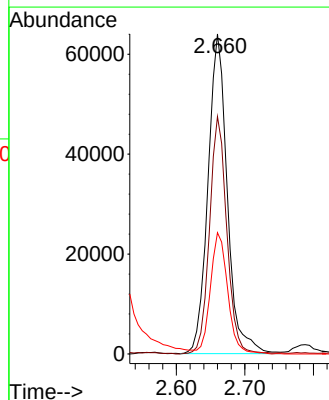
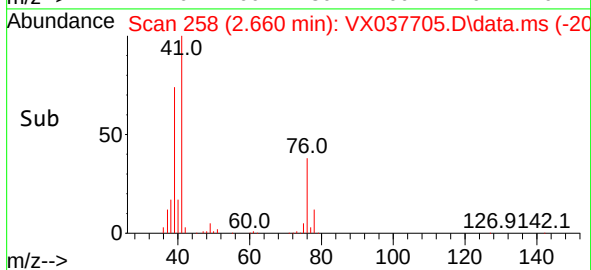
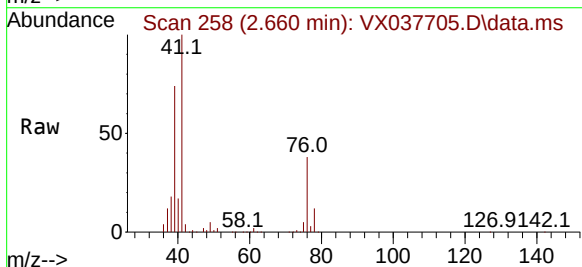
Manual Integrations
APPROVED

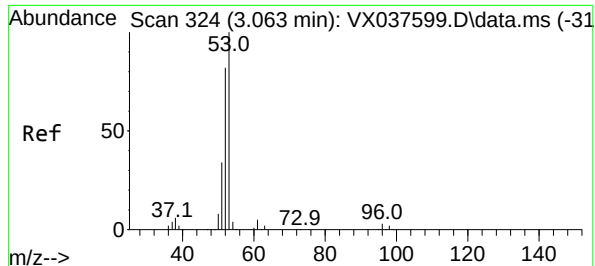
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#14
Allyl chloride
Concen: 52.948 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.000 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21

Tgt Ion: 41 Resp: 125437
Ion Ratio Lower Upper
41 100
39 66.7 55.8 83.6
76 33.9 24.3 36.5





#15

Acrylonitrile

Concen: 357.414 ug/l

RT: 3.068 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion: 53 Resp: 348584

Ion Ratio Lower Upper

53 100

52 83.0 66.0 99.0

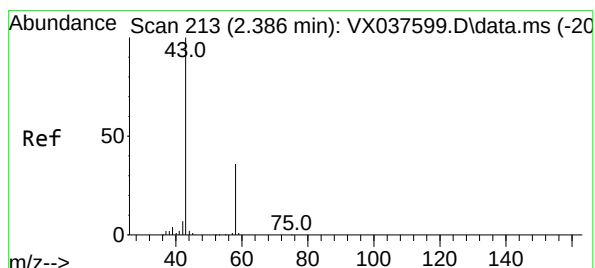
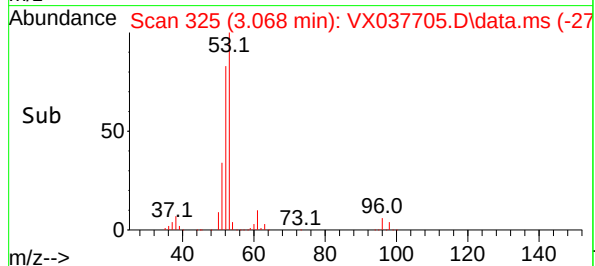
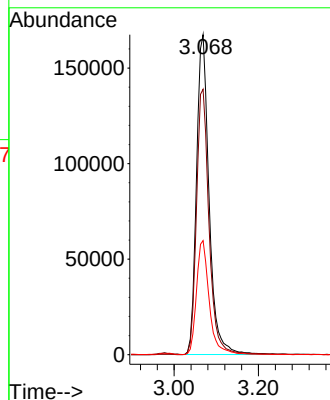
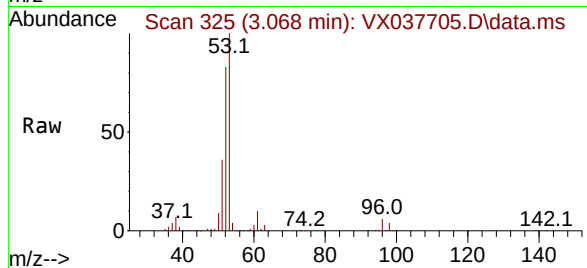
51 36.1 29.8 44.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#16

Acetone

Concen: 362.550 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX037705.D

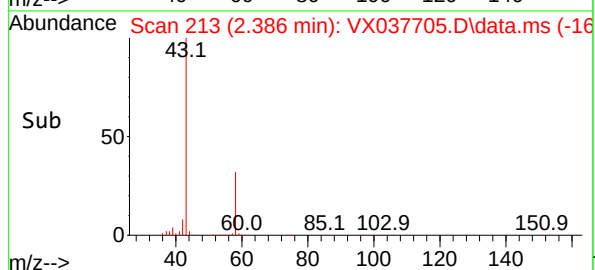
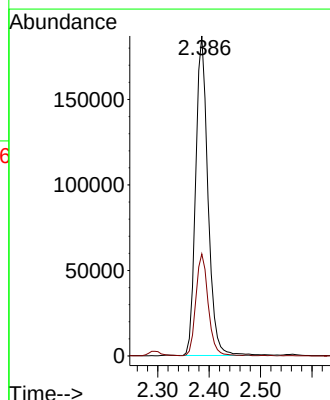
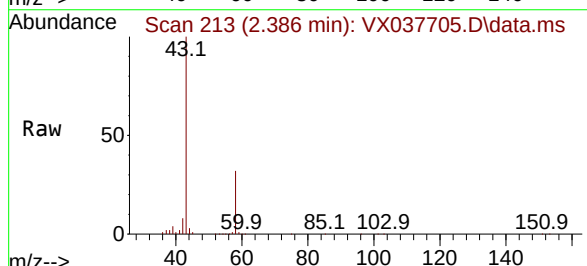
Acq: 13 Sep 2023 19:21

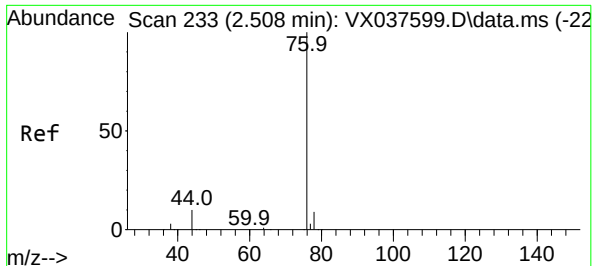
Tgt Ion: 43 Resp: 311711

Ion Ratio Lower Upper

43 100

58 31.9 21.9 32.9





#17

Carbon Disulfide

Concen: 45.077 ug/l

RT: 2.508 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion: 76 Resp: 15496

Ion Ratio Lower Upper

76 100

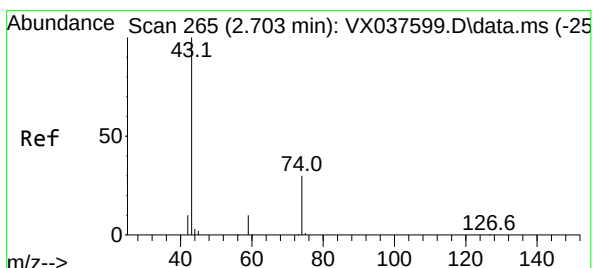
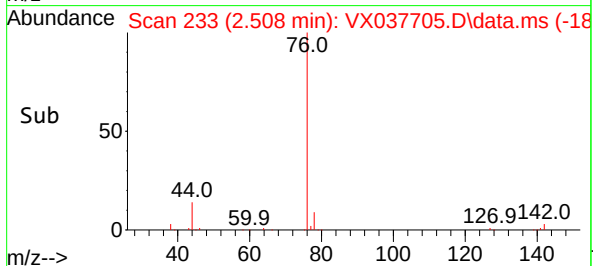
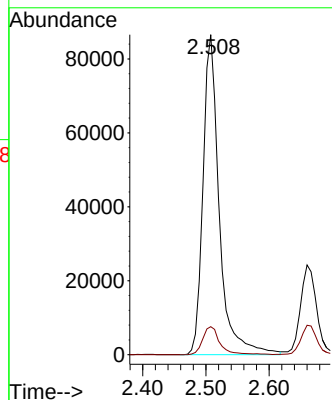
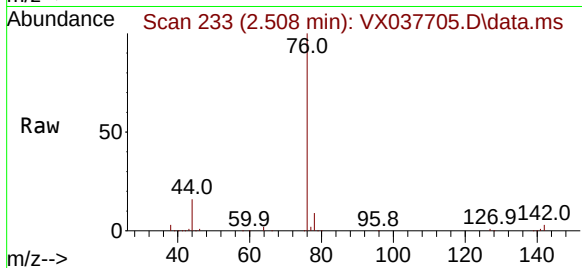
78 8.8 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#18

Methyl Acetate

Concen: 55.613 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX037705.D

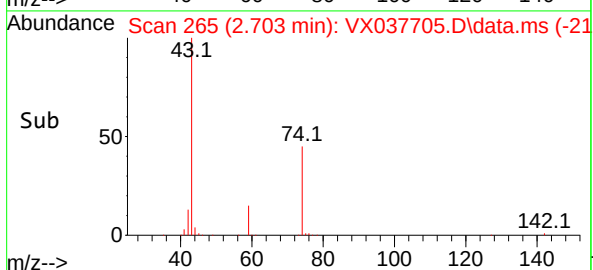
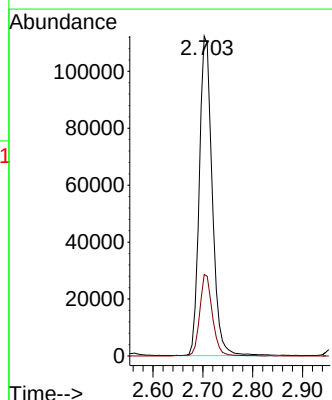
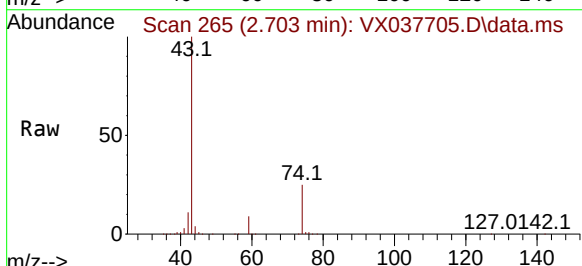
Acq: 13 Sep 2023 19:21

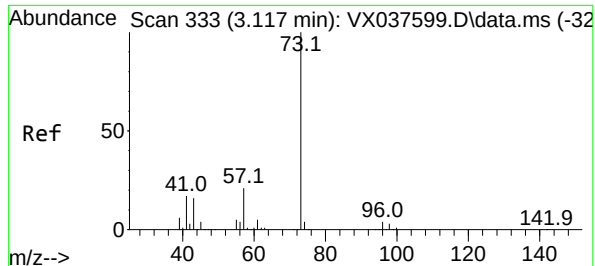
Tgt Ion: 43 Resp: 201922

Ion Ratio Lower Upper

43 100

74 25.1 17.8 26.8





#19

Methyl tert-butyl Ether

Concen: 68.936 ug/l

RT: 3.117 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion: 73 Resp: 36803

Ion Ratio Lower Upper

73 100

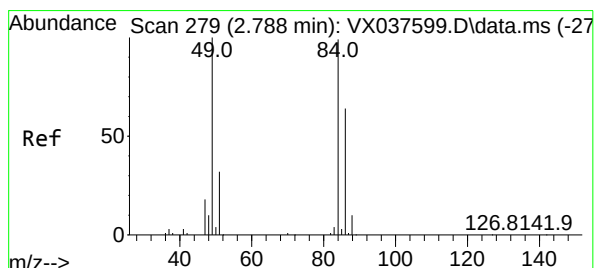
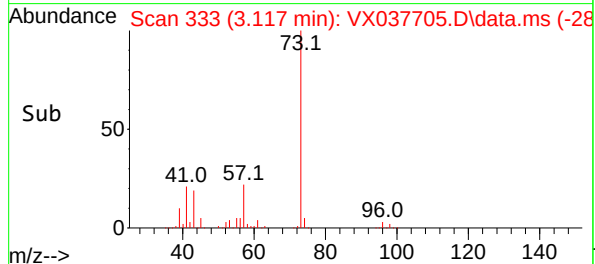
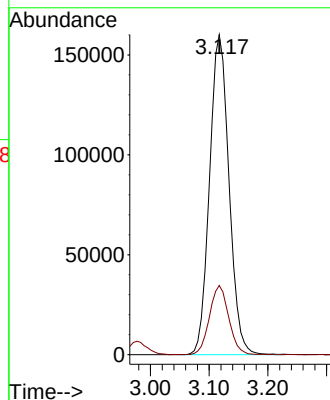
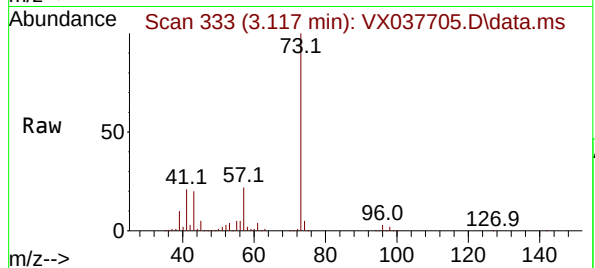
57 21.6 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#20

Methylene Chloride

Concen: 67.913 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Tgt Ion: 84 Resp: 112140

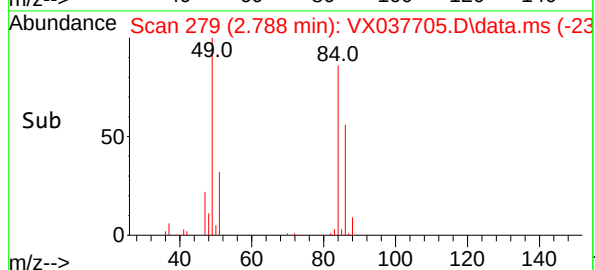
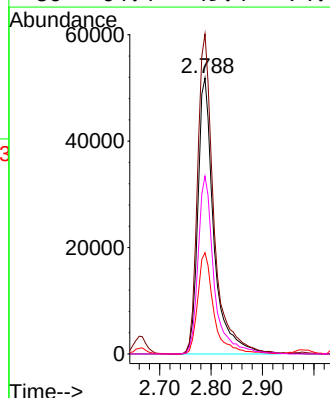
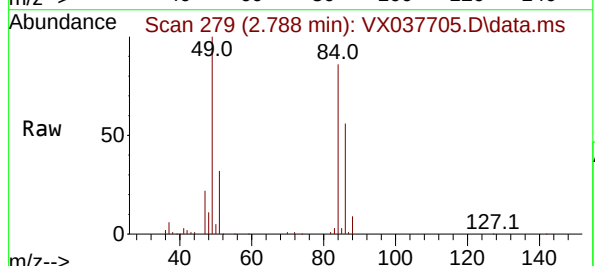
Ion Ratio Lower Upper

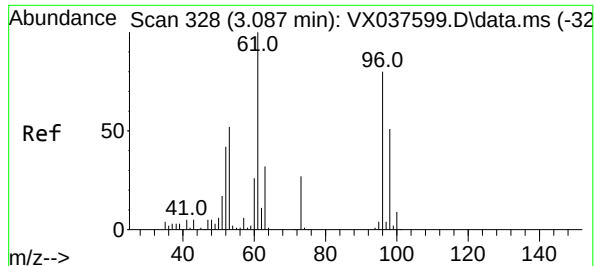
84 100

49 115.9 103.6 155.4

51 36.7 33.8 50.6

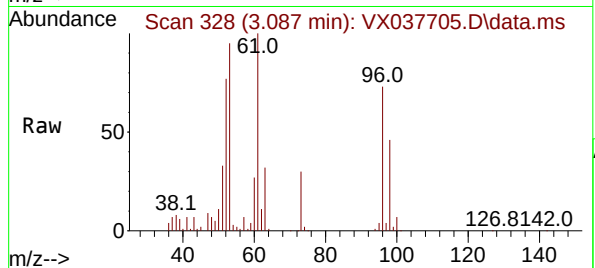
86 64.4 49.4 74.0





#21
trans-1,2-Dichloroethene
Concen: 56.115 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21

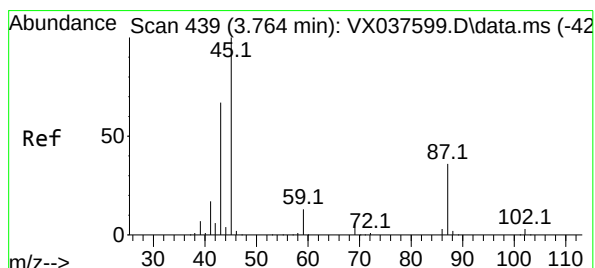
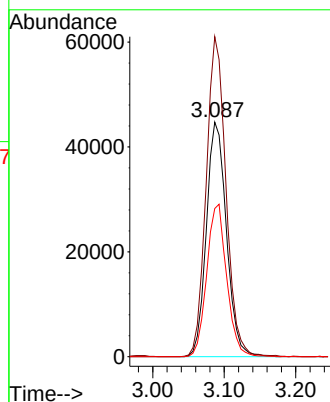
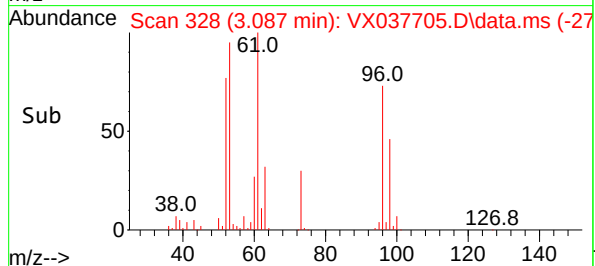
Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MS



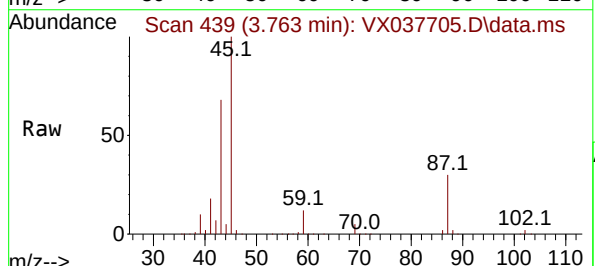
Tgt Ion: 96 Resp: 87308
Ion Ratio Lower Upper
96 100
61 136.4 119.2 178.8
98 63.2 48.7 73.1

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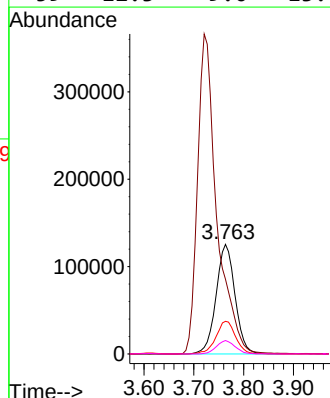
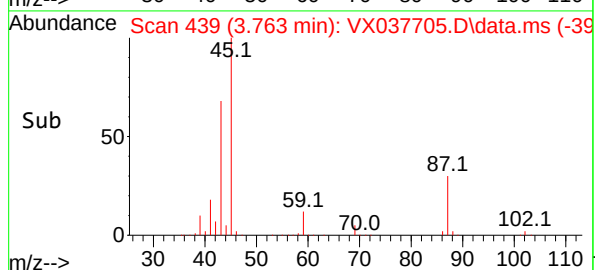
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023

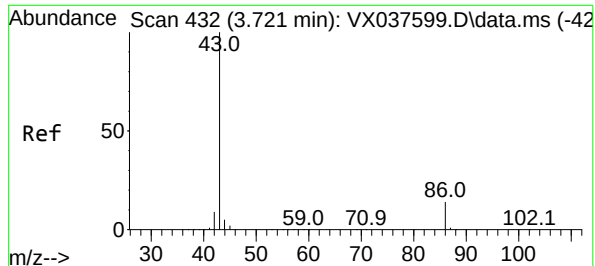


#22
Diisopropyl ether
Concen: 64.163 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21



Tgt Ion: 45 Resp: 331150
Ion Ratio Lower Upper
45 100
43 68.1 69.7 104.5#
87 29.8 20.8 31.2
59 12.3 9.0 13.4





#23

Vinyl Acetate

Concen: 261.188 ug/l

RT: 3.721 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion: 43 Resp: 98323

Ion Ratio Lower Upper

43 100

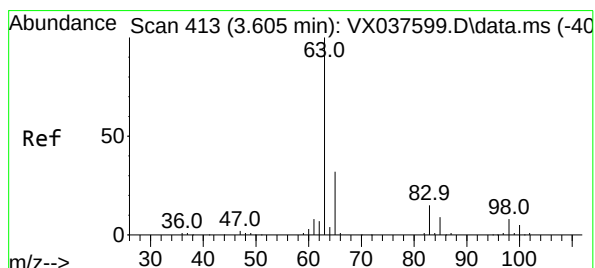
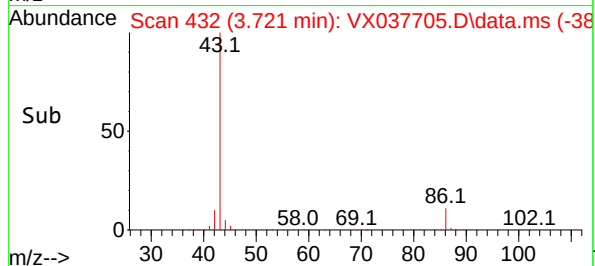
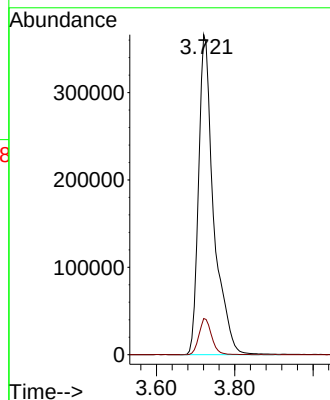
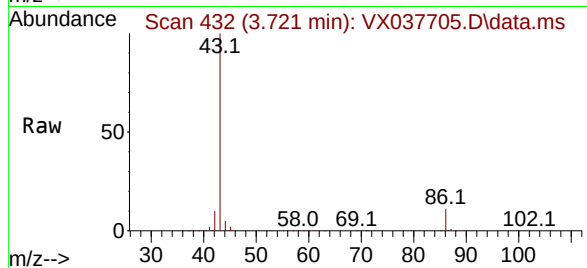
86 11.3 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#24

1,1-Dichloroethane

Concen: 59.943 ug/l

RT: 3.605 min Scan# 413

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

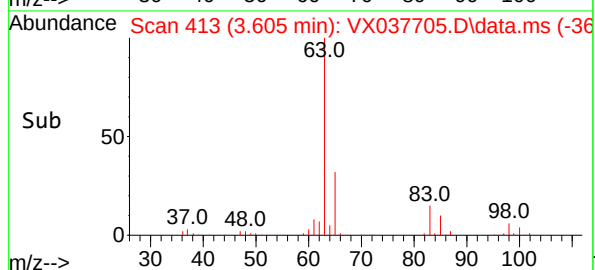
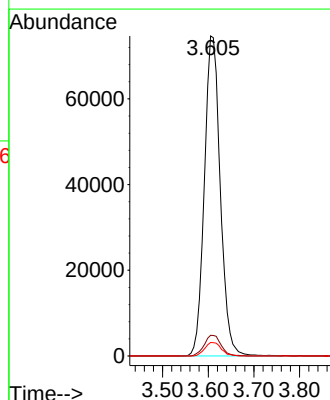
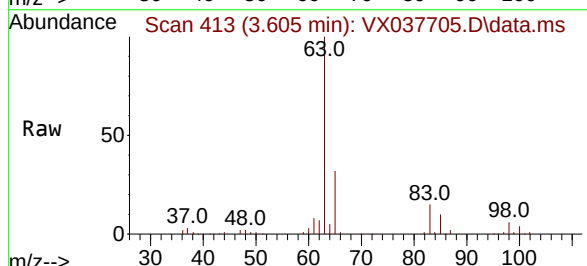
Tgt Ion: 63 Resp: 180278

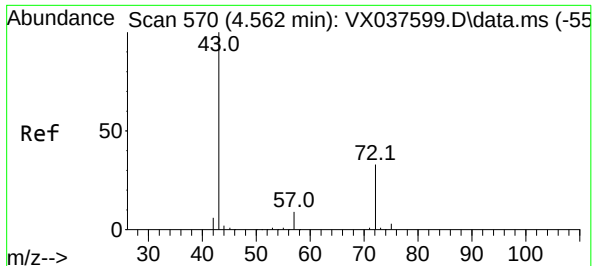
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 4.2 2.1 6.5





#25

2-Butanone

Concen: 346.269 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion: 43 Resp: 48543

Ion Ratio Lower Upper

43 100

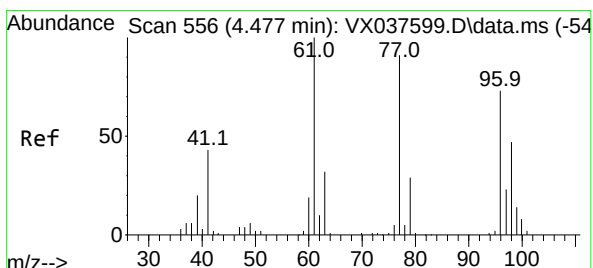
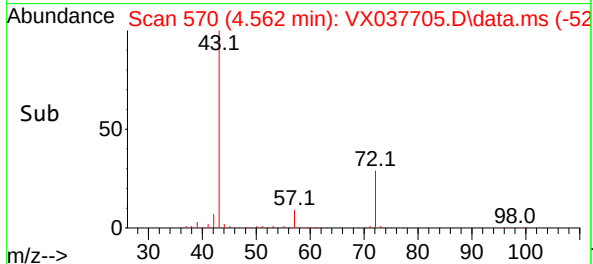
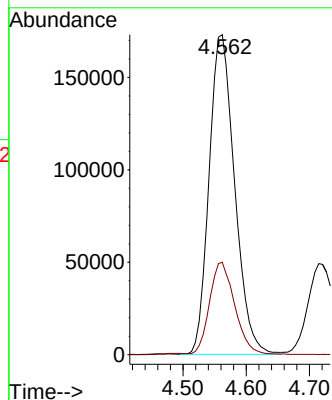
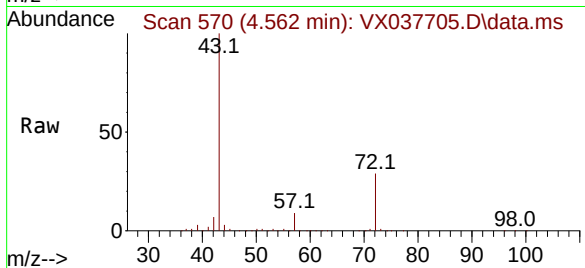
72 28.8 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#26

2,2-Dichloropropane

Concen: 20.260 ug/l

RT: 4.471 min Scan# 555

Delta R.T. -0.006 min

Lab File: VX037705.D

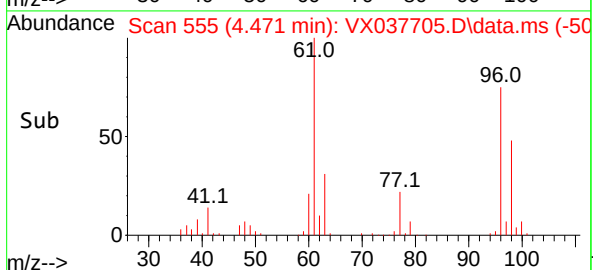
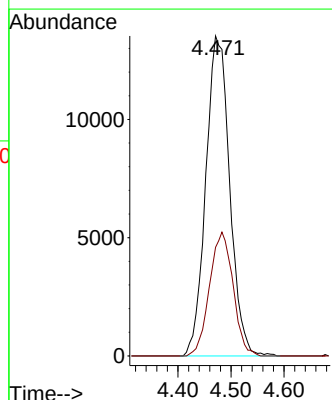
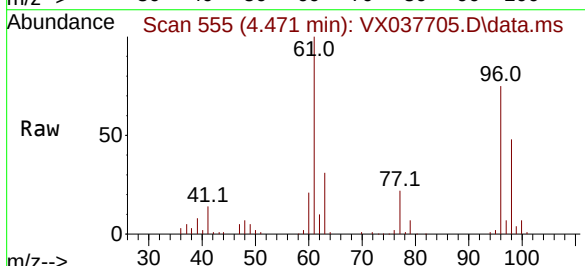
Acq: 13 Sep 2023 19:21

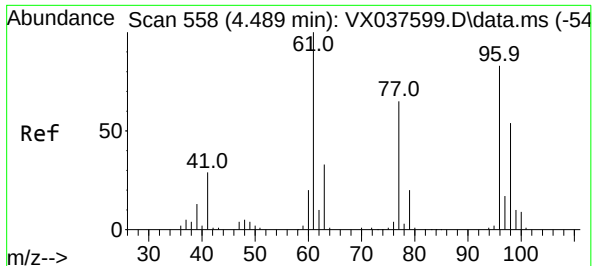
Tgt Ion: 77 Resp: 42386

Ion Ratio Lower Upper

77 100

97 38.0 10.8 32.3#





#27

cis-1,2-Dichloroethene

Concen: 108.280 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion: 96 Resp: 205438

Ion Ratio Lower Upper

96 100

61 126.5 0.0 312.2

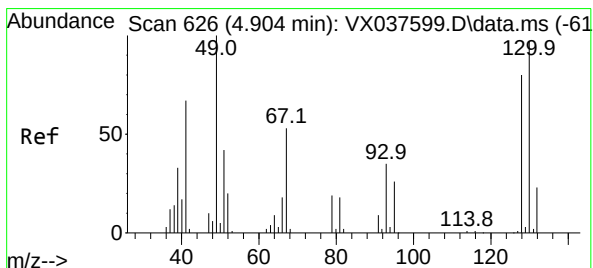
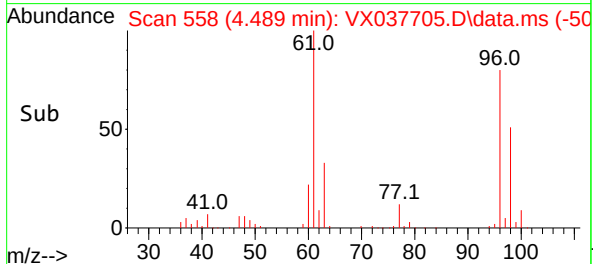
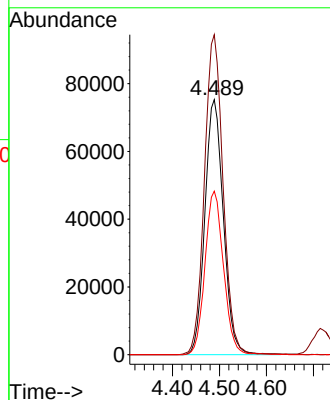
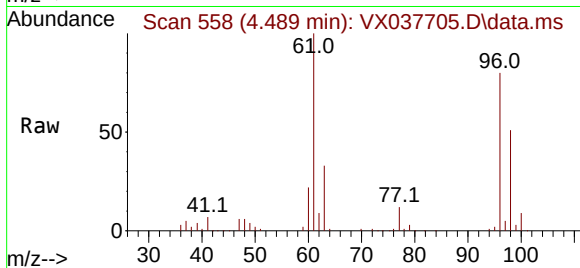
98 64.4 0.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#28

Bromochloromethane

Concen: 66.250 ug/l

RT: 4.897 min Scan# 625

Delta R.T. -0.006 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

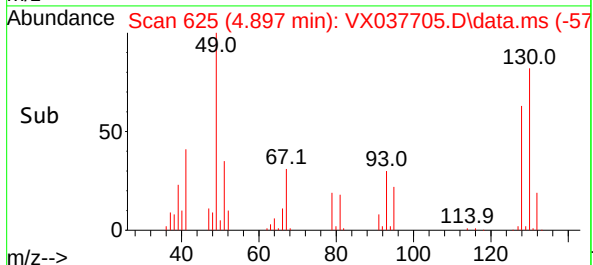
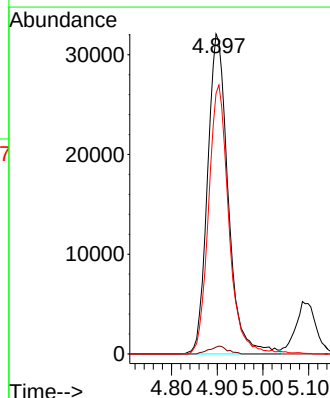
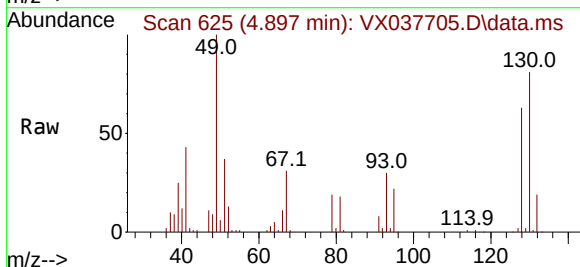
Tgt Ion: 49 Resp: 100664

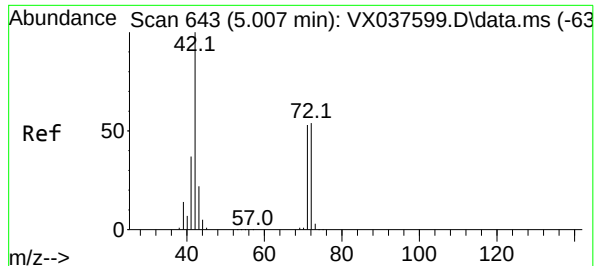
Ion Ratio Lower Upper

49 100

129 2.2 0.0 3.8

130 82.1 57.5 86.3





#29

Tetrahydrofuran

Concen: 347.188 ug/l

RT: 5.007 min Scan# 643

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion: 42 Resp: 309949

Ion Ratio Lower Upper

42 100

72 49.0 34.2 51.4

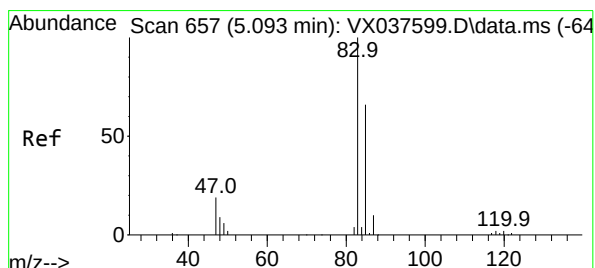
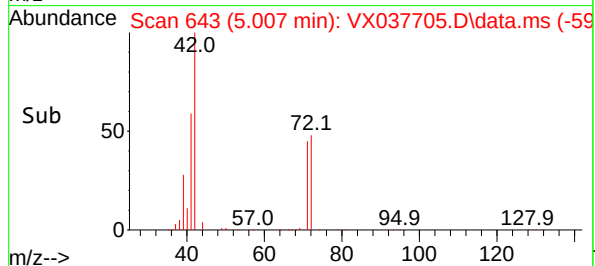
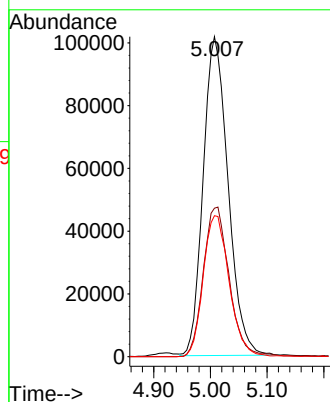
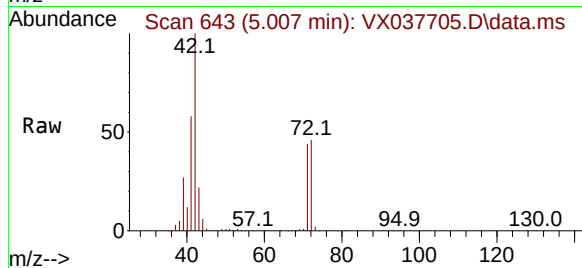
71 46.3 32.2 48.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#30

Chloroform

Concen: 61.868 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.006 min

Lab File: VX037705.D

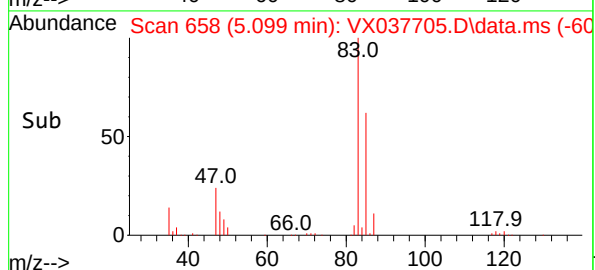
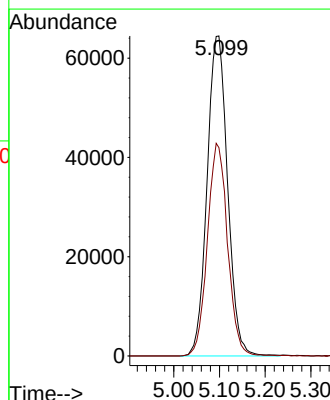
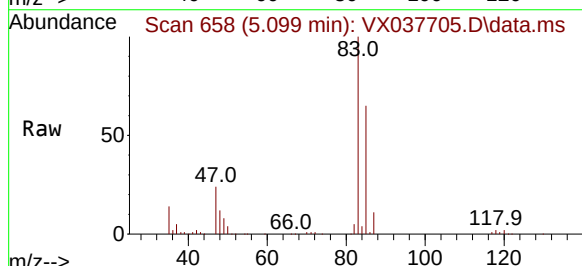
Acq: 13 Sep 2023 19:21

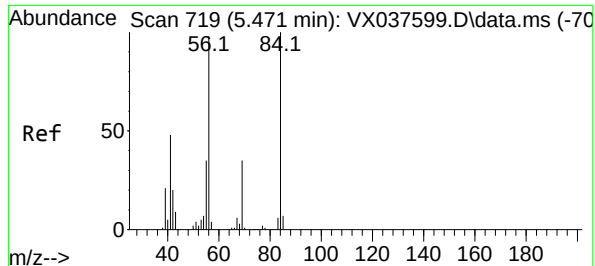
Tgt Ion: 83 Resp: 200949

Ion Ratio Lower Upper

83 100

85 65.1 50.3 75.5





#31

Cyclohexane

Concen: 42.947 ug/l

RT: 5.470 min Scan# 719

Delta R.T. -0.000 min

Lab File: VX037705.D

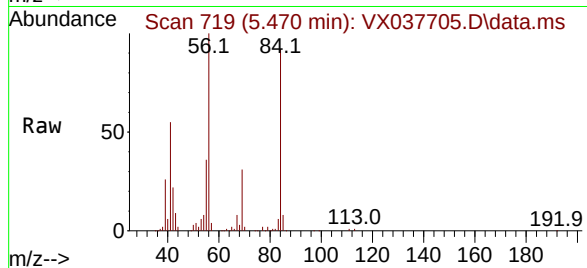
Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS



Tgt Ion: 56 Resp: 10517

Ion Ratio Lower Upper

56 100

69 31.1 23.4 35.2

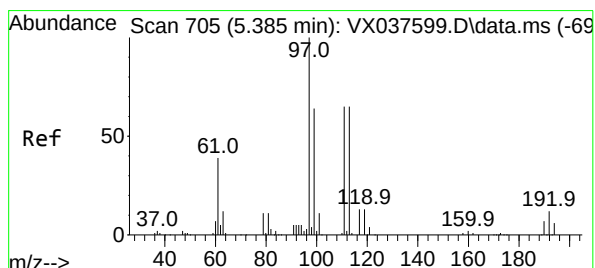
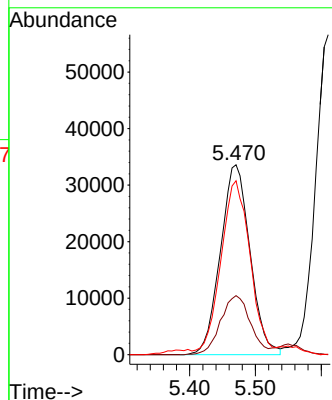
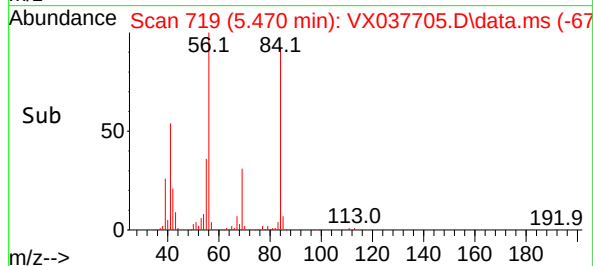
84 89.2 65.9 98.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#32

1,1,1-Trichloroethane

Concen: 53.979 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

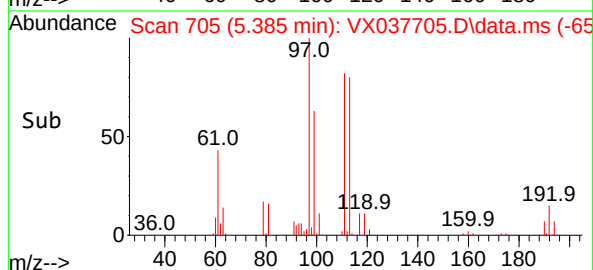
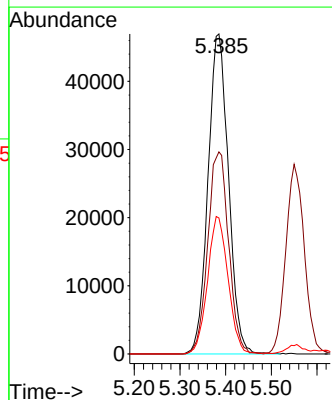
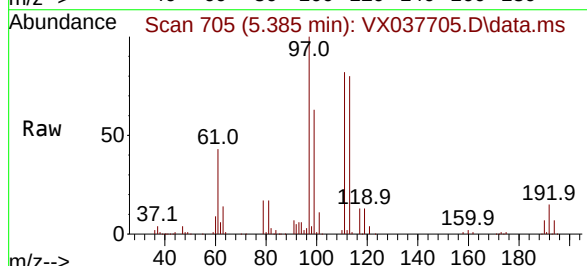
Tgt Ion: 97 Resp: 145921

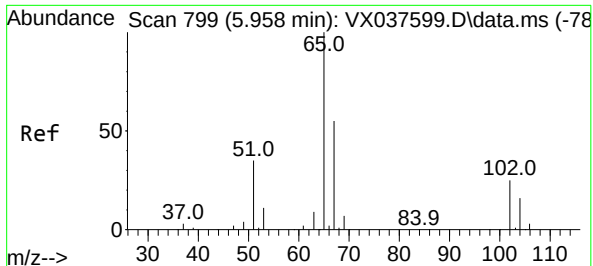
Ion Ratio Lower Upper

97 100

99 64.4 51.1 76.7

61 43.2 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 66.057 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion: 65 Resp: 14048

Ion Ratio Lower Upper

65 100

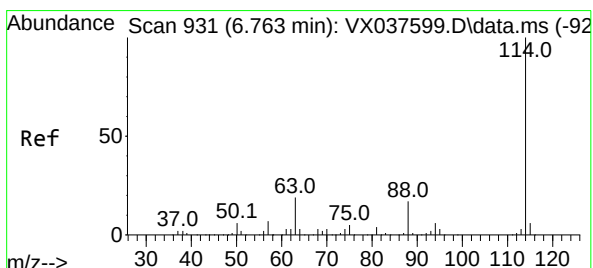
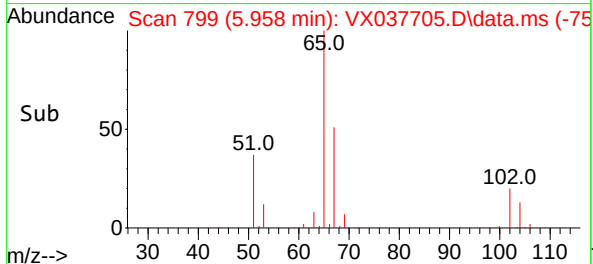
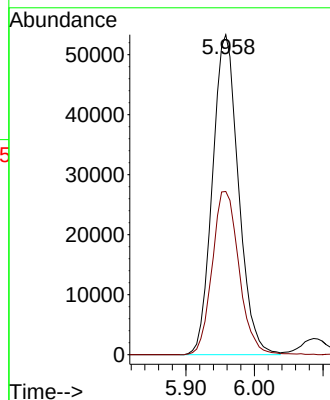
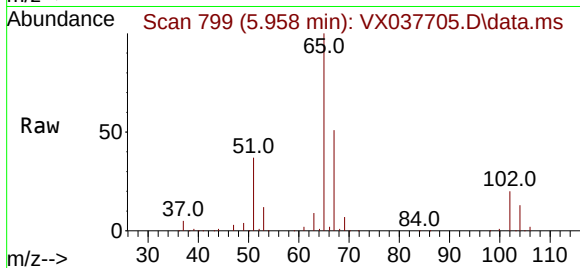
67 52.7 0.0 100.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

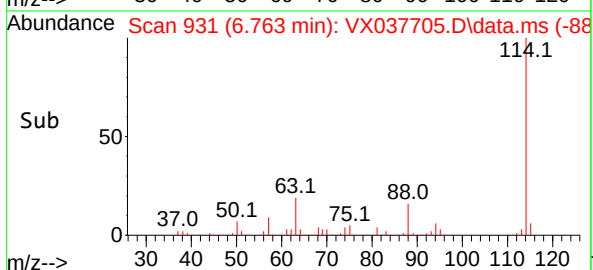
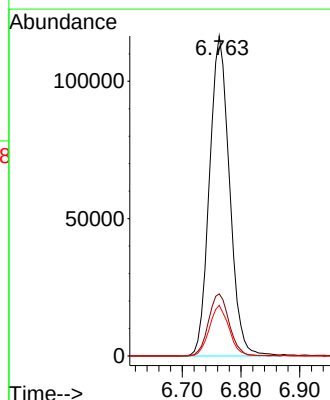
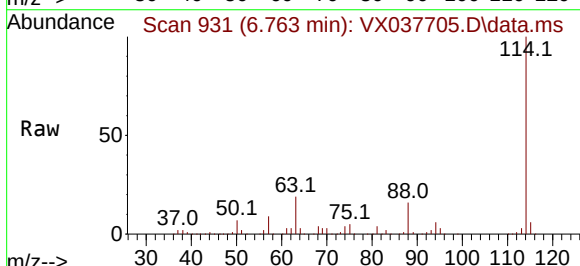
Tgt Ion:114 Resp: 276377

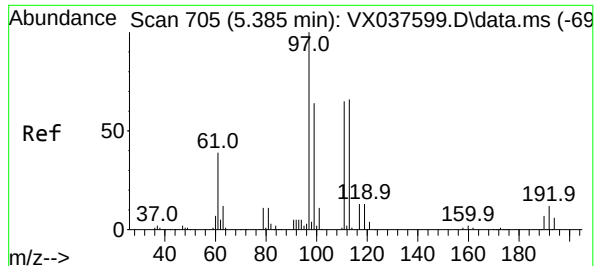
Ion Ratio Lower Upper

114 100

63 19.4 0.0 45.0

88 15.8 0.0 36.6





#35

Dibromofluoromethane

Concen: 55.991 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion:113 Resp: 109680

Ion Ratio Lower Upper

113 100

111 103.7 82.9 124.3

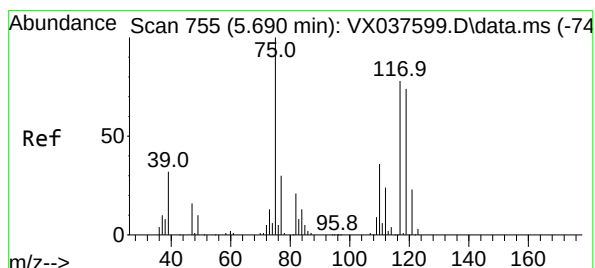
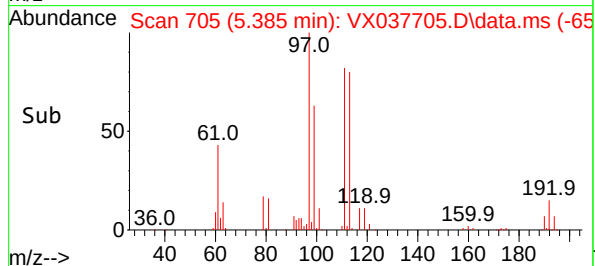
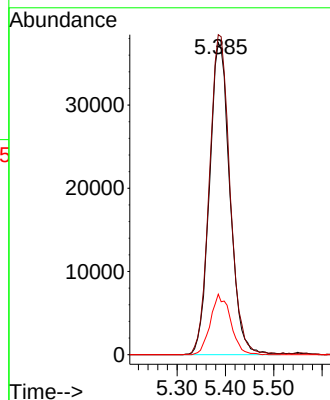
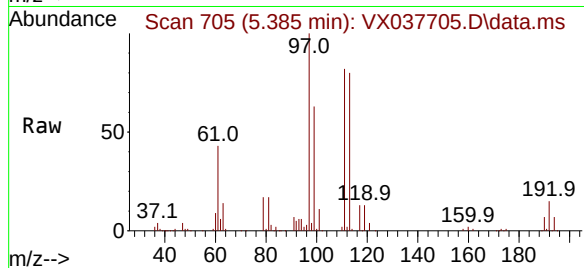
192 19.1 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#36

1,1-Dichloropropene

Concen: 40.858 ug/l

RT: 5.690 min Scan# 755

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

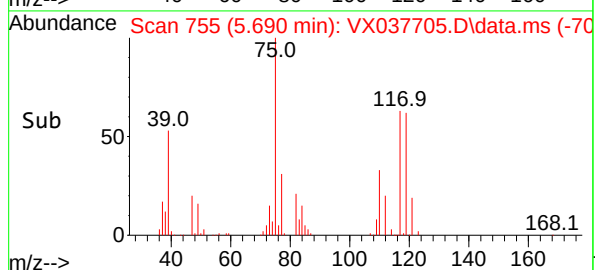
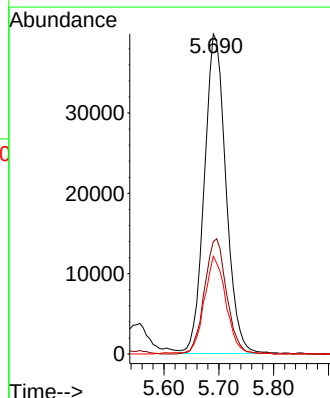
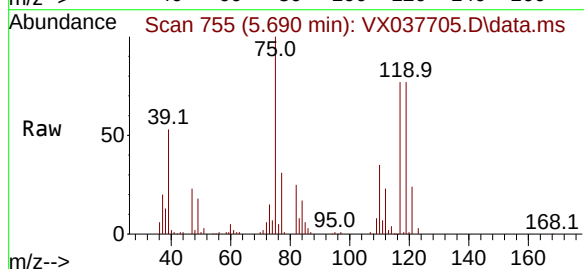
Tgt Ion: 75 Resp: 108885

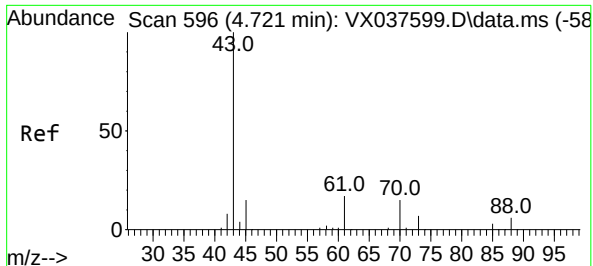
Ion Ratio Lower Upper

75 100

110 36.9 17.0 50.9

77 30.6 24.7 37.1





#37

Ethyl Acetate

Concen: 48.398 ug/l

RT: 4.715 min Scan# 596

Delta R.T. -0.006 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion: 43 Resp: 147579

Ion Ratio Lower Upper

43 100

61 14.7 10.6 16.0

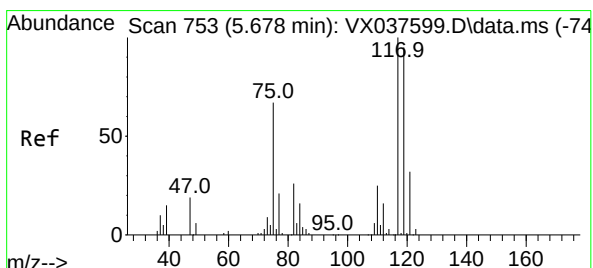
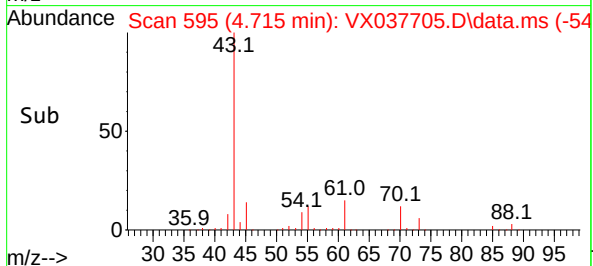
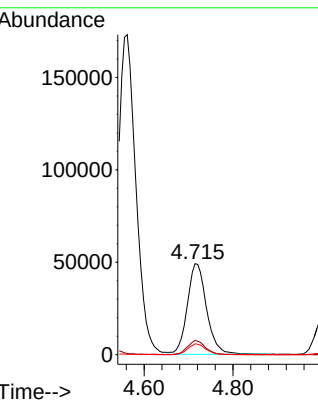
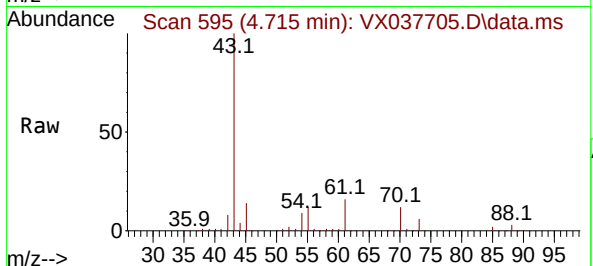
70 11.3 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#38

Carbon Tetrachloride

Concen: 42.606 ug/l

RT: 5.678 min Scan# 753

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

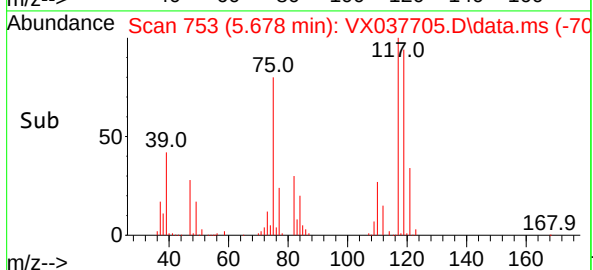
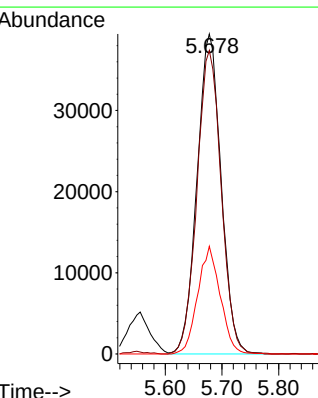
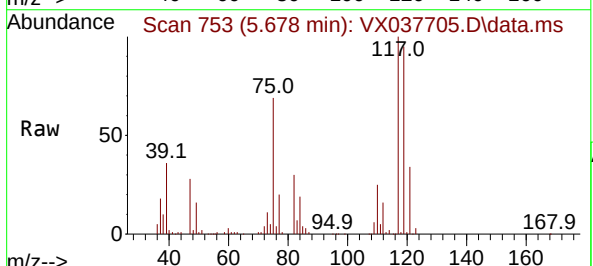
Tgt Ion:117 Resp: 115994

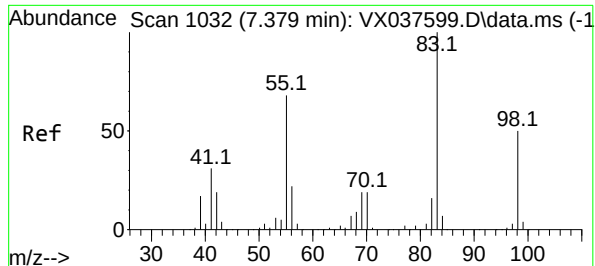
Ion Ratio Lower Upper

117 100

119 94.9 78.2 117.2

121 33.6 24.4 36.6





#39

Methylcyclohexane

Concen: 32.065 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion: 83 Resp: 10111

Ion Ratio Lower Upper

83 100

55 67.3 64.6 97.0

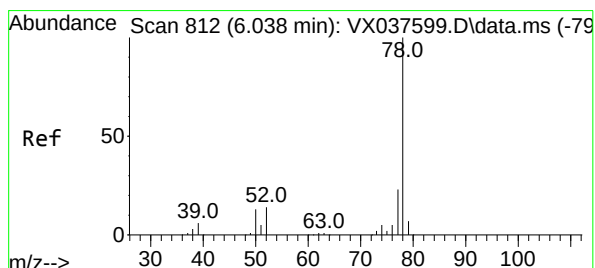
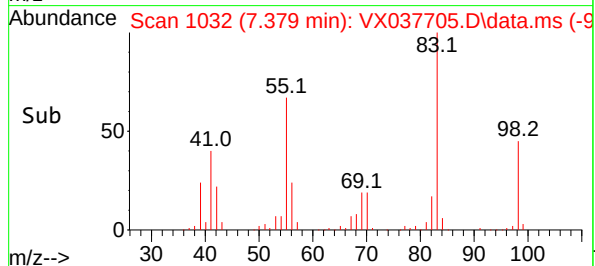
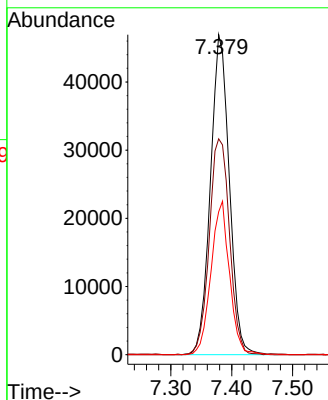
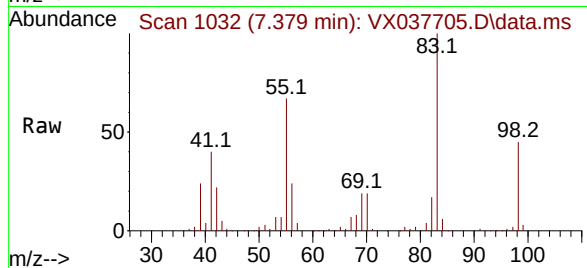
98 44.7 36.7 55.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#40

Benzene

Concen: 51.422 ug/l

RT: 6.037 min Scan# 812

Delta R.T. -0.000 min

Lab File: VX037705.D

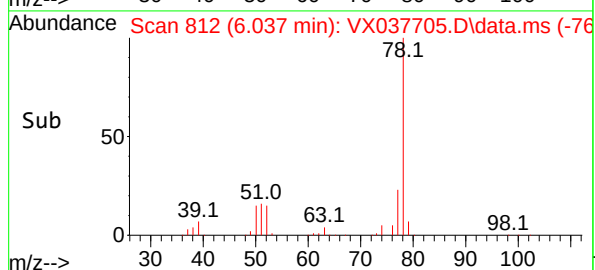
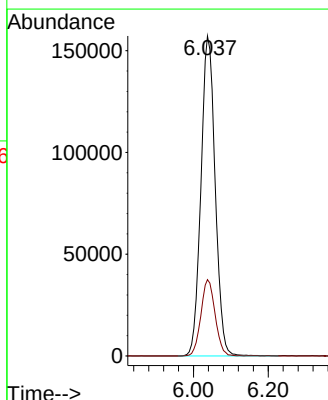
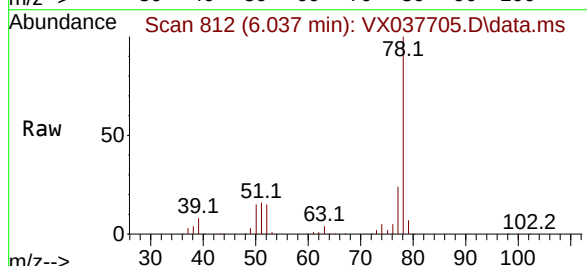
Acq: 13 Sep 2023 19:21

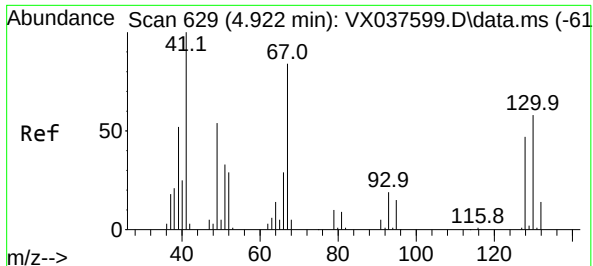
Tgt Ion: 78 Resp: 415441

Ion Ratio Lower Upper

78 100

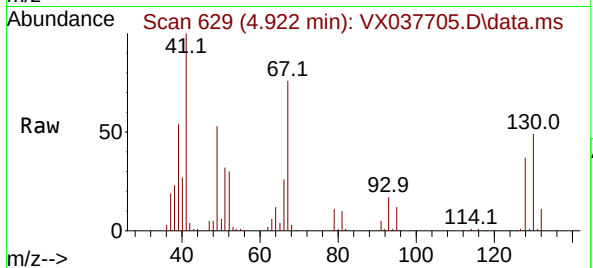
77 23.9 19.3 28.9





#41
Methacrylonitrile
Concen: 61.167 ug/l
RT: 4.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21

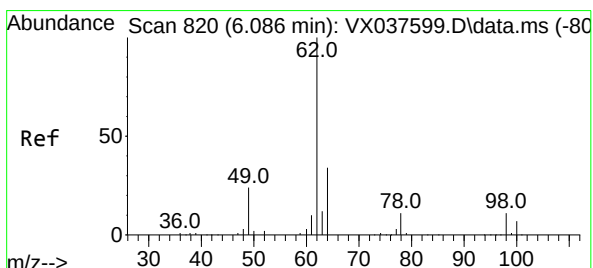
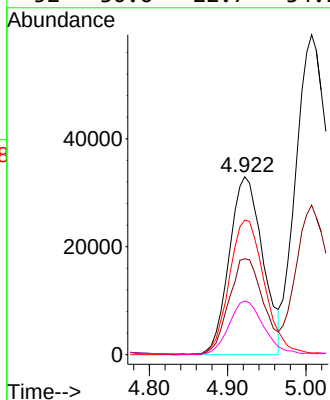
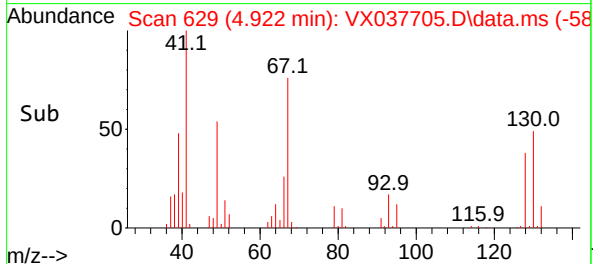
Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MS



Tgt Ion: 41 Resp: 9824
Ion Ratio Lower Upper
41 100
39 54.7 45.2 67.8
67 79.8 52.6 78.8
52 30.6 22.7 34.1

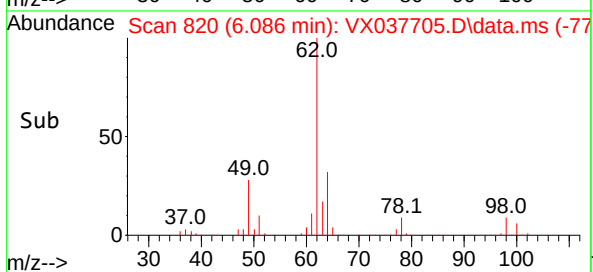
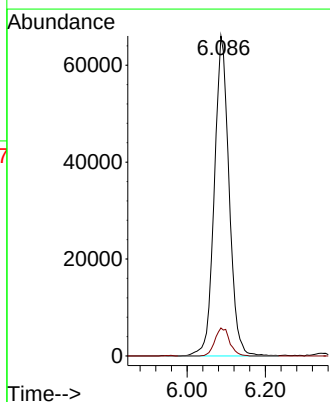
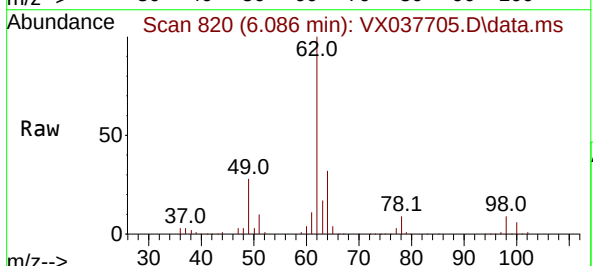
Manual Integrations
APPROVED

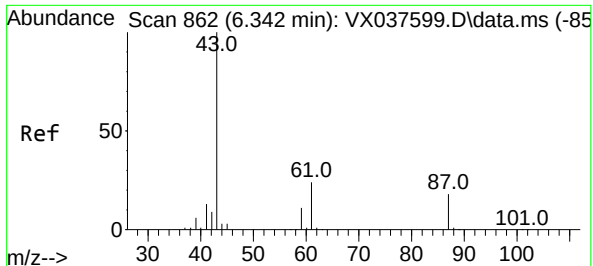
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#42
1,2-Dichloroethane
Concen: 54.817 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.000 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21

Tgt Ion: 62 Resp: 173093
Ion Ratio Lower Upper
62 100
98 8.8 0.0 16.0





#43

Isopropyl Acetate

Concen: 52.194 ug/l

RT: 6.342 min Scan# 80

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

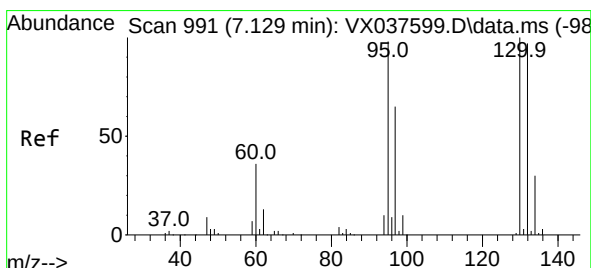
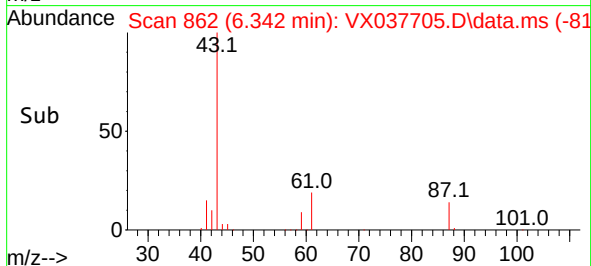
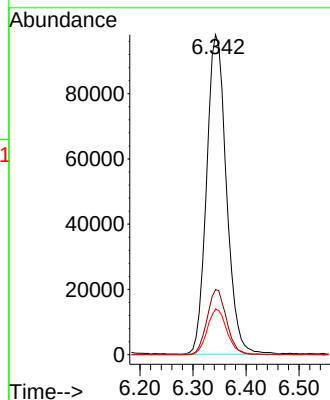
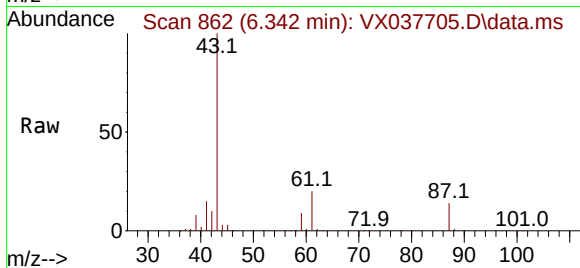
1042-MW-02(23.8)MS

Tgt Ion:	43	Resp:	25391
Ion Ratio	Lower	Upper	
43	100		
61	20.1	15.2	22.8
87	14.2	9.8	14.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#44

Trichloroethene

Concen: 74.522 ug/l

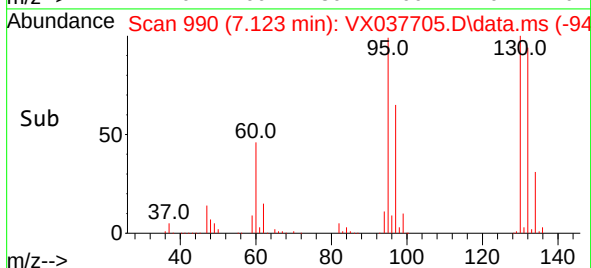
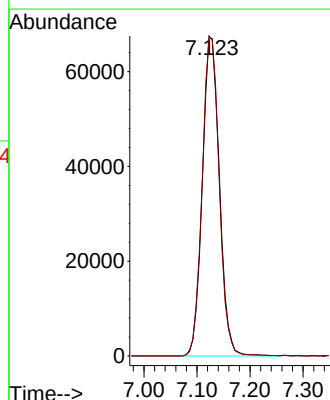
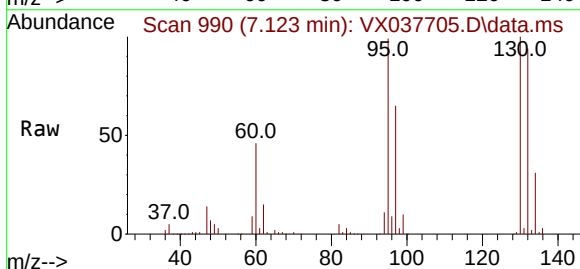
RT: 7.123 min Scan# 990

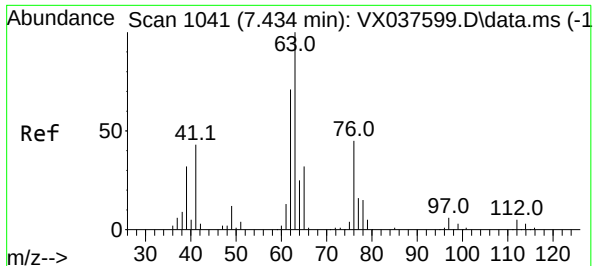
Delta R.T. -0.006 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Tgt Ion:	130	Resp:	150423
Ion Ratio	Lower	Upper	
130	100		
95	99.0	0.0	204.4





#45

1,2-Dichloropropane

Concen: 55.109 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion: 63 Resp: 117498

Ion Ratio Lower Upper

63 100

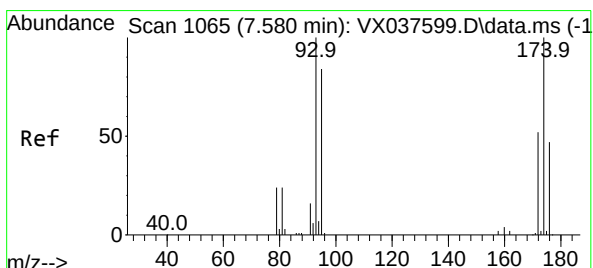
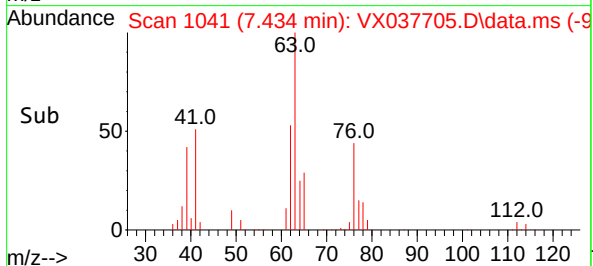
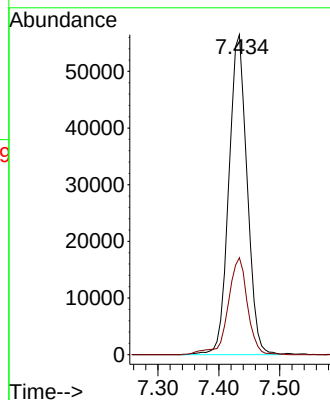
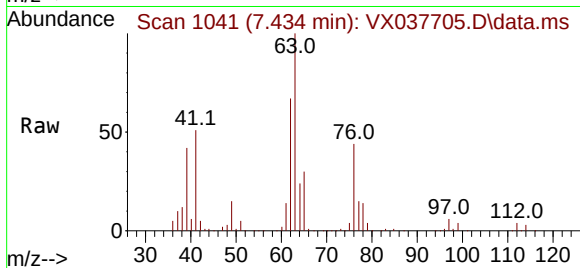
65 30.3 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#46

Dibromomethane

Concen: 58.989 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

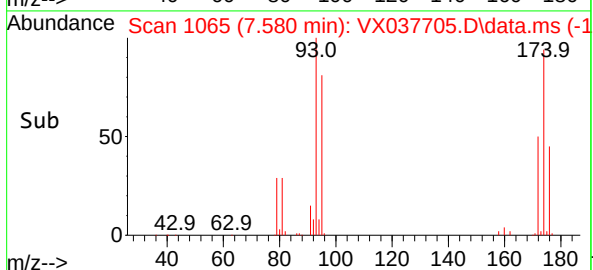
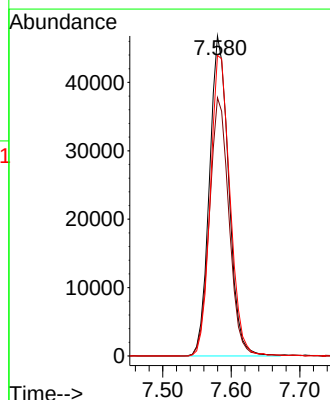
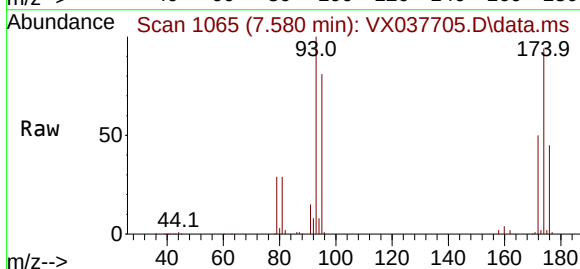
Tgt Ion: 93 Resp: 91498

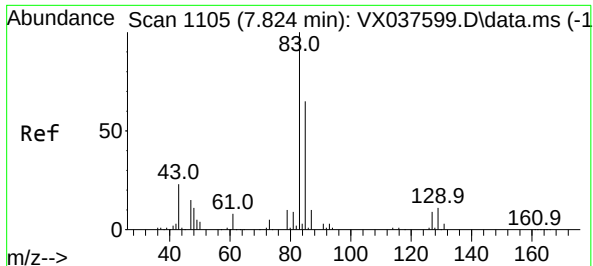
Ion Ratio Lower Upper

93 100

95 81.9 66.6 100.0

174 95.7 69.4 104.0





#47

Bromodichloromethane

Concen: 56.564 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

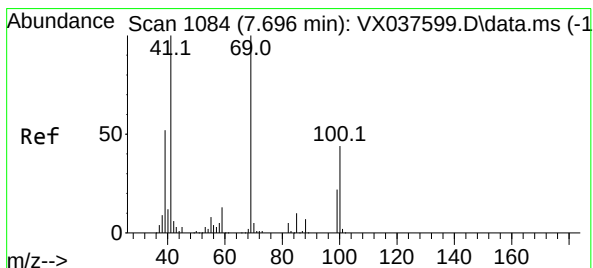
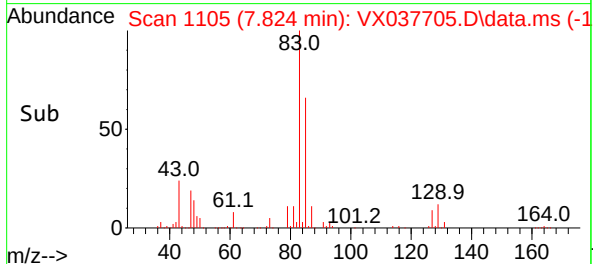
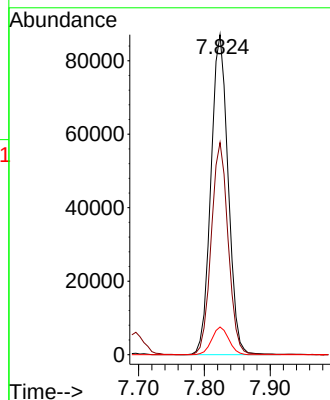
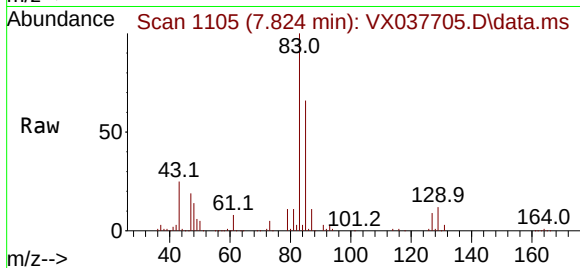
1042-MW-02(23.8)MS

Tgt Ion:	83	Resp:	15838
Ion	Ratio	Lower	Upper
83	100		
85	66.3	49.8	74.6
127	8.6	7.1	10.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#48

Methyl methacrylate

Concen: 59.542 ug/l

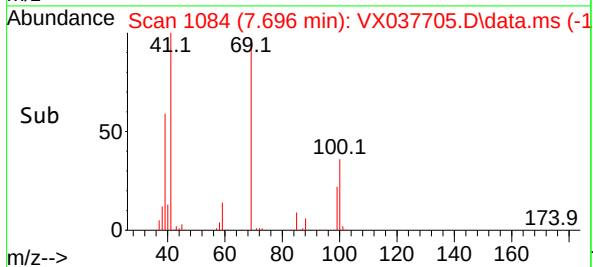
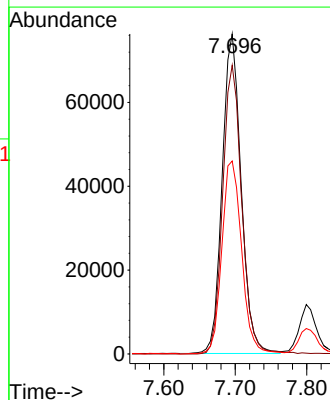
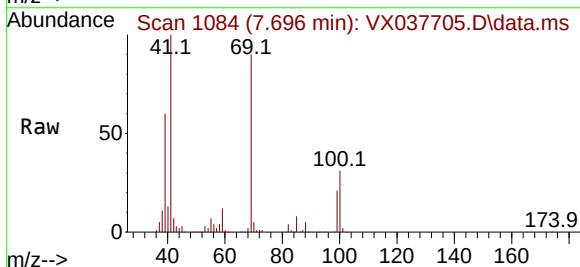
RT: 7.696 min Scan# 1084

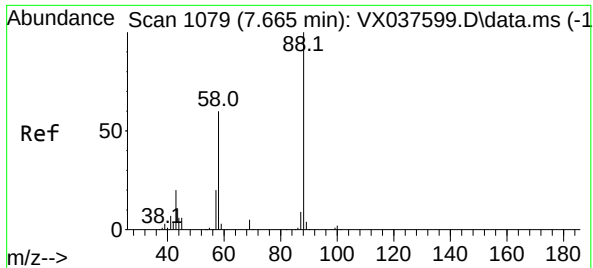
Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Tgt Ion:	41	Resp:	140018
Ion	Ratio	Lower	Upper
41	100		
69	91.7	59.2	88.8
39	63.4	47.7	71.5





#49

1,4-Dioxane

Concen: 1158.521 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. -0.006 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion: 88 Resp: 67498

Ion Ratio Lower Upper

88 100

43 29.3 0.0 0.0

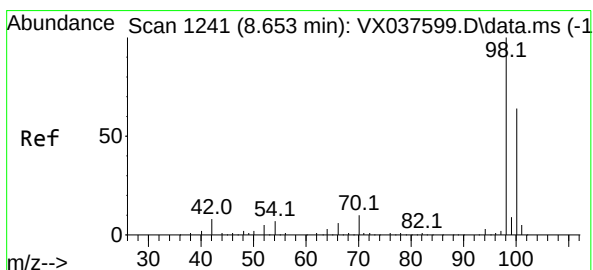
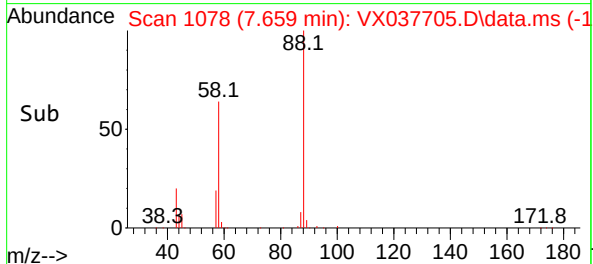
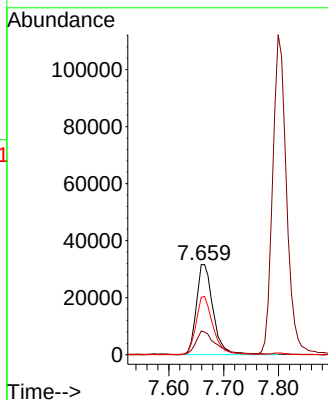
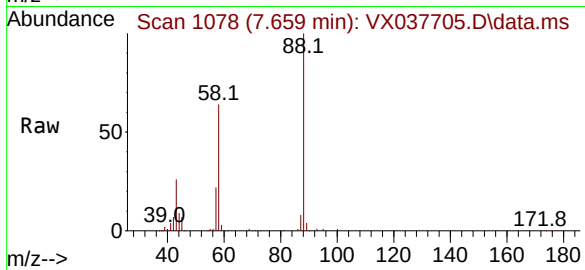
58 65.5 60.1 90.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#50

Toluene-d8

Concen: 51.656 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX037705.D

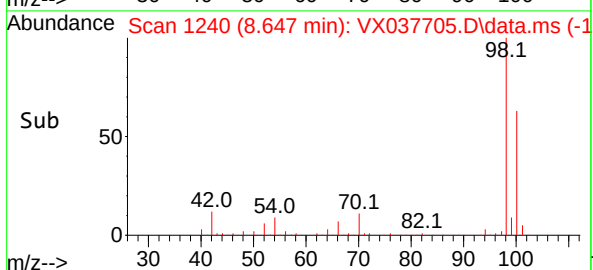
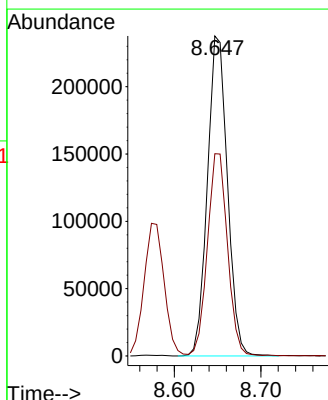
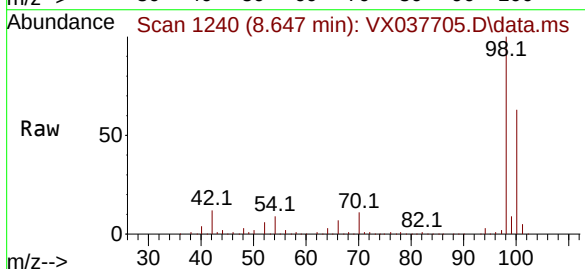
Acq: 13 Sep 2023 19:21

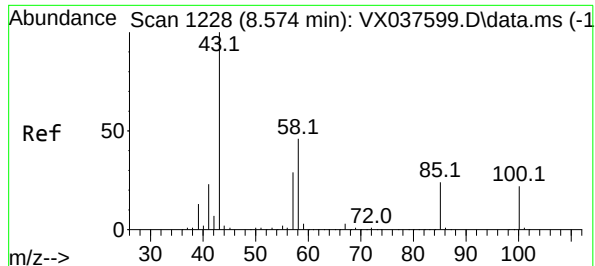
Tgt Ion: 98 Resp: 381648

Ion Ratio Lower Upper

98 100

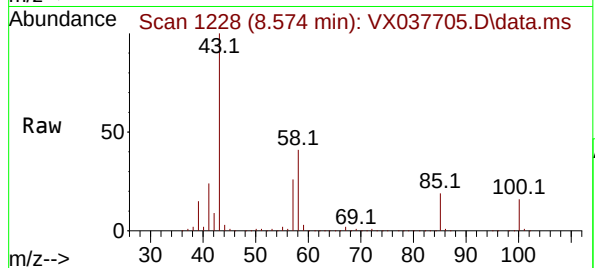
100 63.0 53.1 79.7





#51
4-Methyl-2-Pentanone
Concen: 309.086 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21

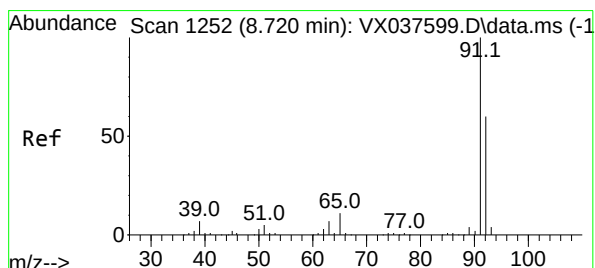
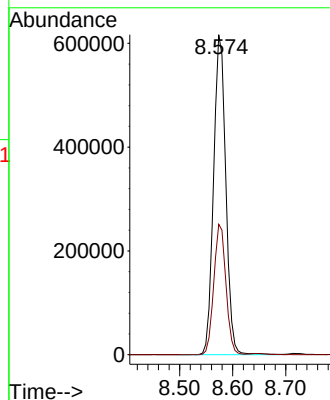
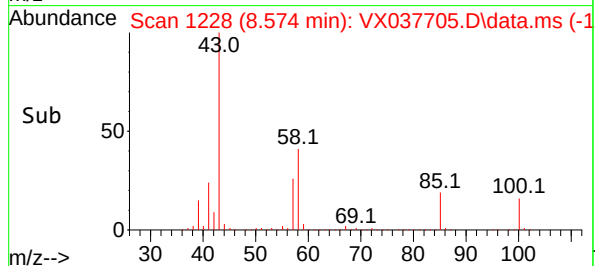
Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MS



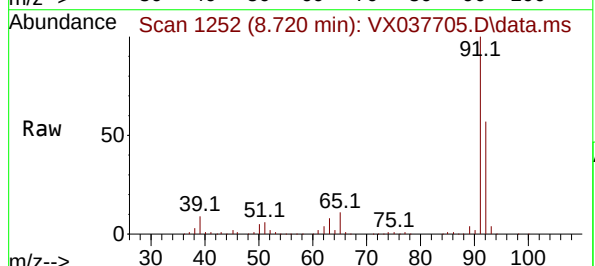
Tgt Ion: 43 Resp: 987330
Ion Ratio Lower Upper
43 100
58 40.4 30.4 45.6

Manual Integrations
APPROVED

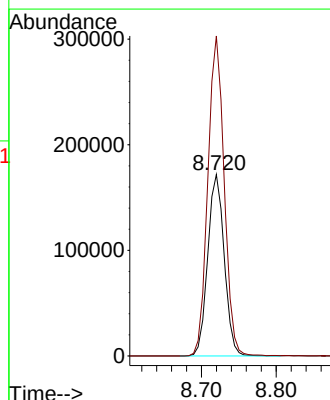
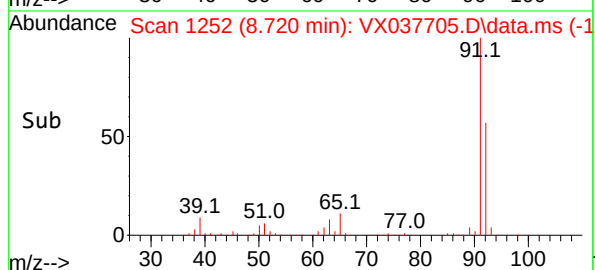
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023

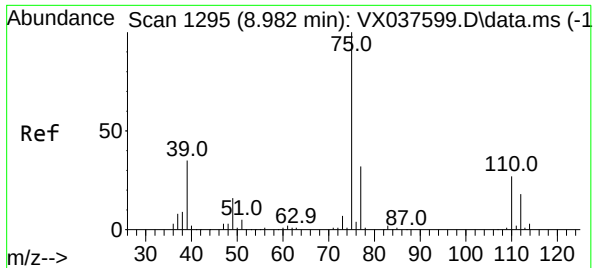


#52
Toluene
Concen: 50.665 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21



Tgt Ion: 92 Resp: 263181
Ion Ratio Lower Upper
92 100
91 174.8 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 51.382 ug/l

RT: 8.982 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion: 75 Resp: 14586

Ion Ratio Lower Upper

75 100

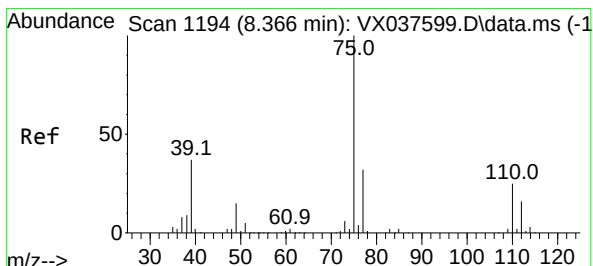
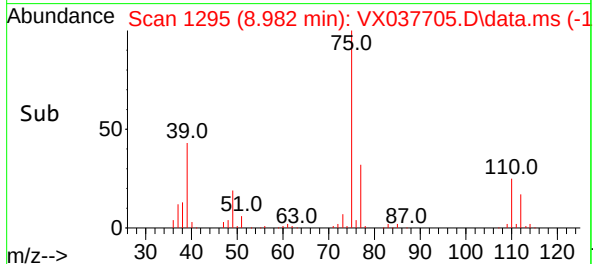
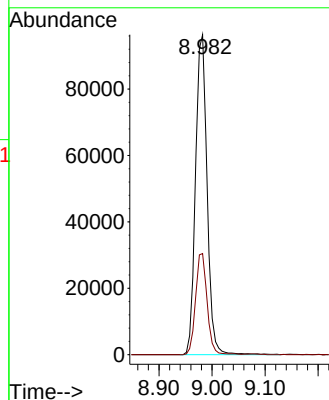
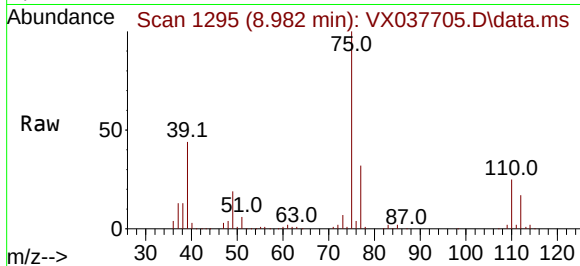
77 31.6 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#54

cis-1,3-Dichloropropene

Concen: 49.894 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

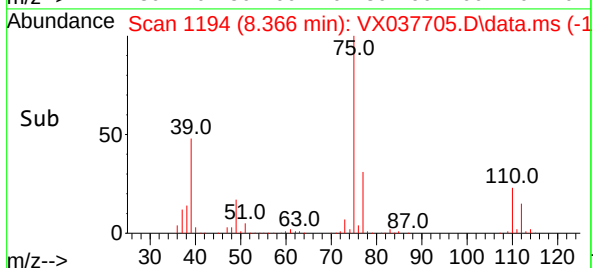
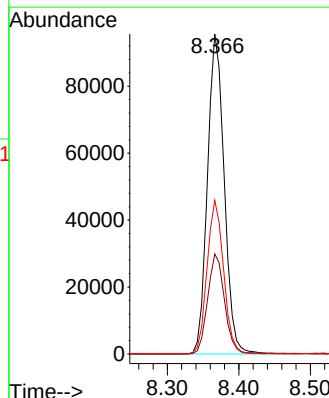
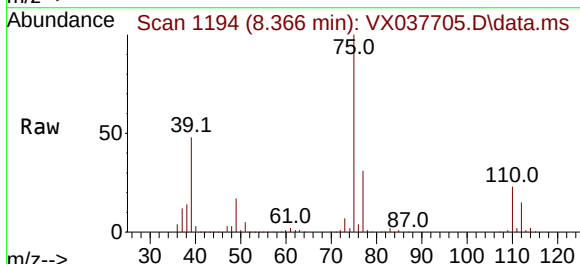
Tgt Ion: 75 Resp: 155423

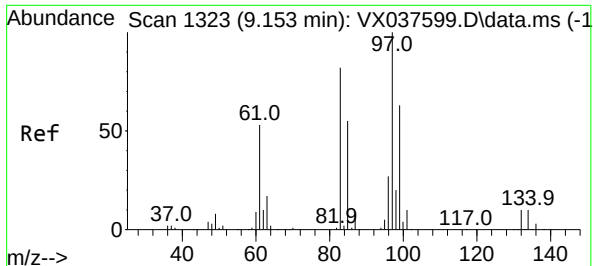
Ion Ratio Lower Upper

75 100

77 31.3 25.3 37.9

39 47.9 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 60.312 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion: 97 Resp: 13192

Ion Ratio Lower Upper

97 100

83 86.9 65.8 98.8

85 56.8 41.6 62.4

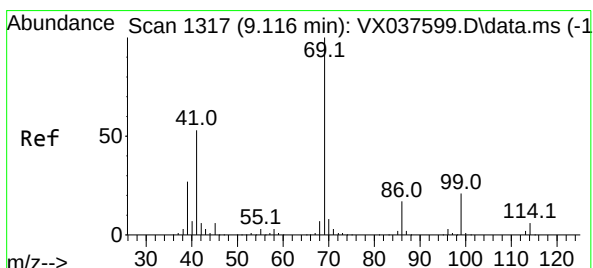
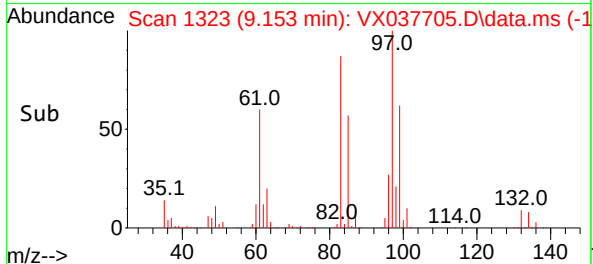
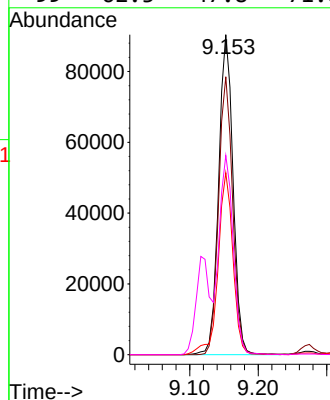
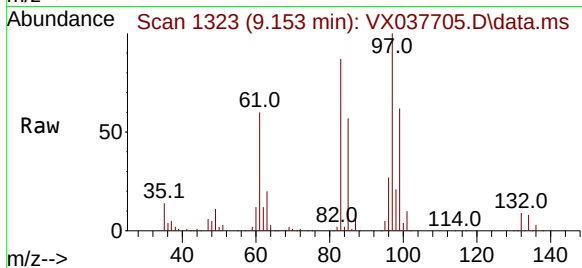
99 62.3 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#56

Ethyl methacrylate

Concen: 60.546 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

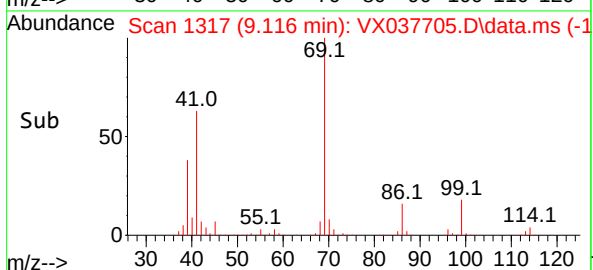
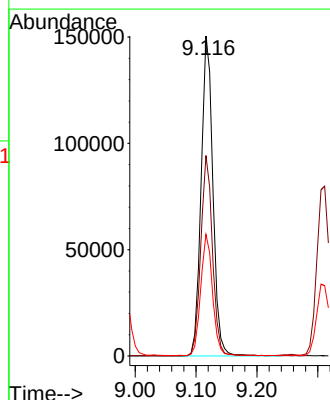
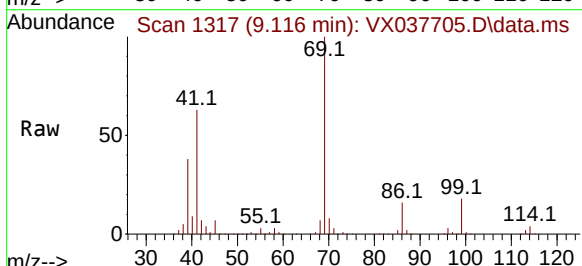
Tgt Ion: 69 Resp: 202624

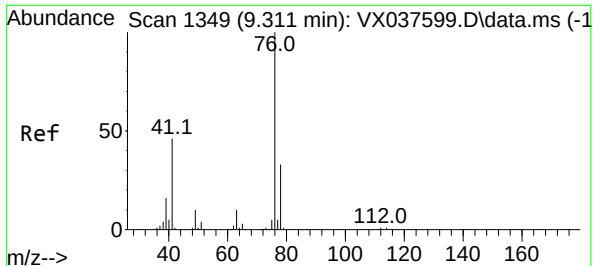
Ion Ratio Lower Upper

69 100

41 62.2 56.8 85.2

39 38.0 32.0 48.0





#57

1,3-Dichloropropane

Concen: 57.465 ug/l

RT: 9.311 min Scan# 1349

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion: 76 Resp: 21083

Ion Ratio Lower Upper

76 100

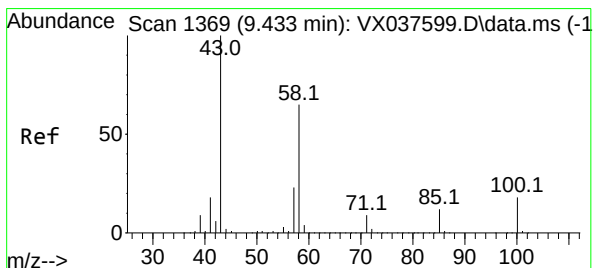
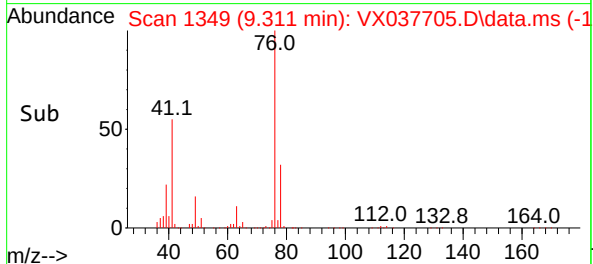
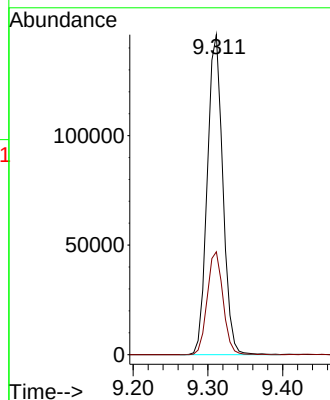
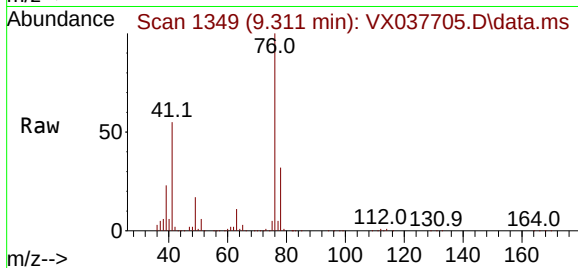
78 32.7 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#59

2-Hexanone

Concen: 297.798 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. -0.000 min

Lab File: VX037705.D

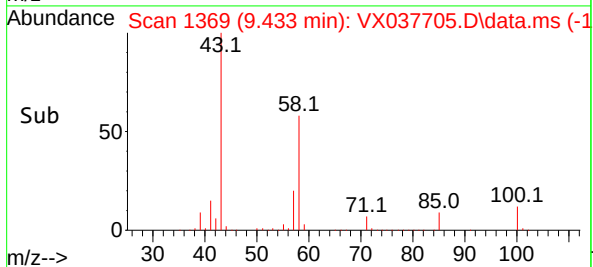
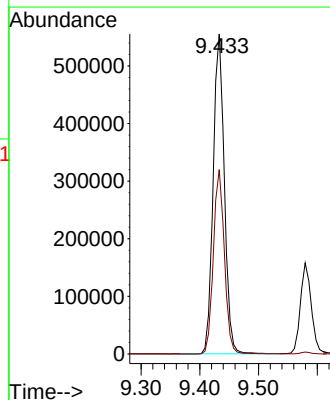
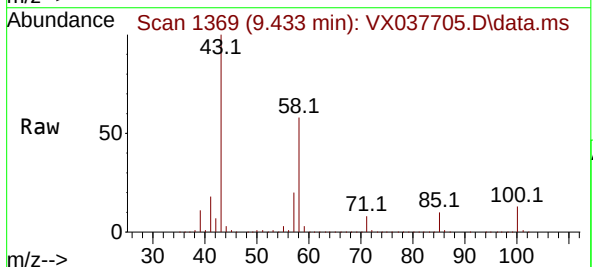
Acq: 13 Sep 2023 19:21

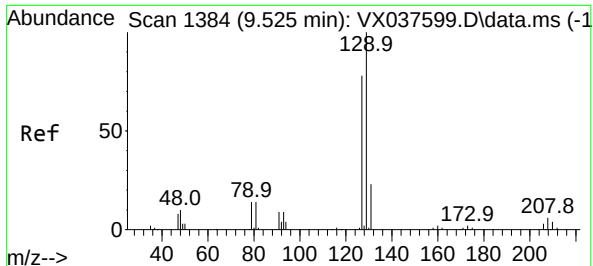
Tgt Ion: 43 Resp: 734286

Ion Ratio Lower Upper

43 100

58 57.0 26.2 78.5





#60

Dibromochloromethane

Concen: 61.065 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion:129 Resp: 131198

Ion Ratio Lower Upper

129 100

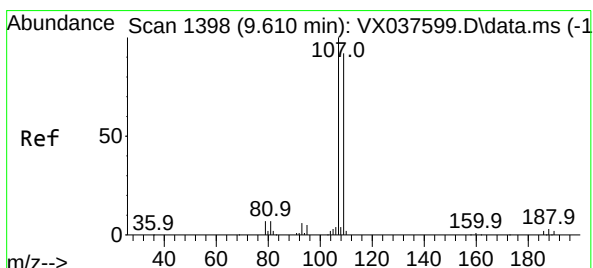
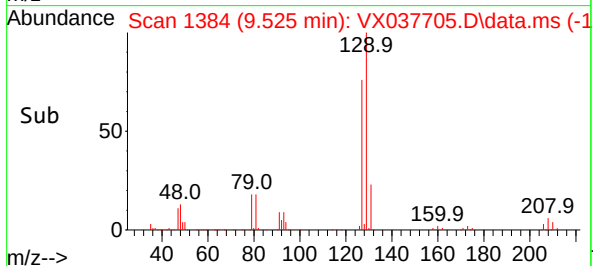
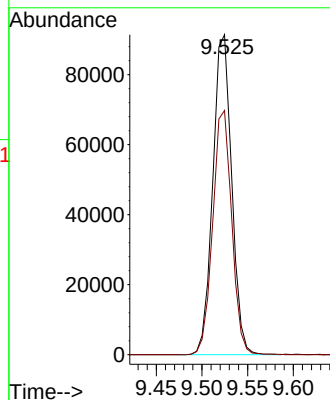
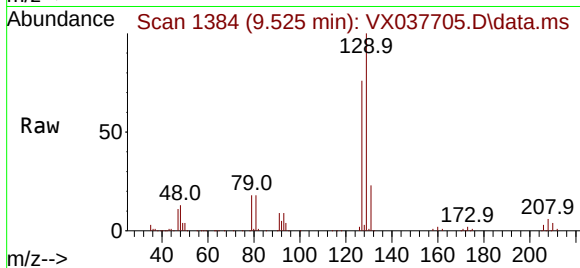
127 76.8 38.8 116.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#61

1,2-Dibromoethane

Concen: 60.811 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VX037705.D

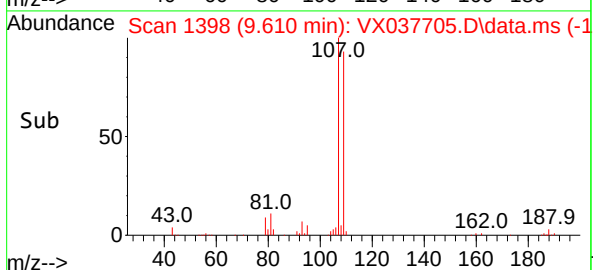
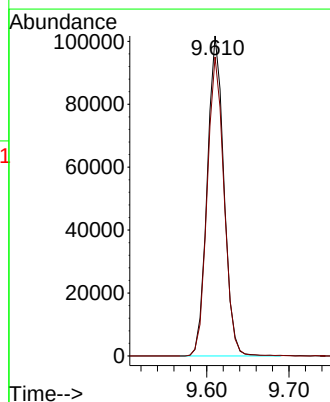
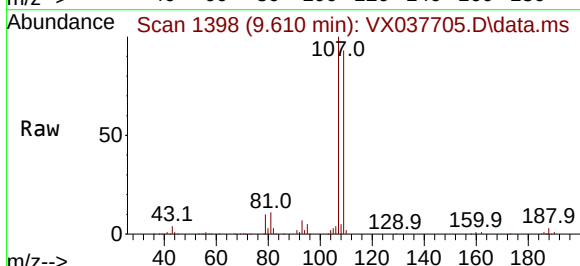
Acq: 13 Sep 2023 19:21

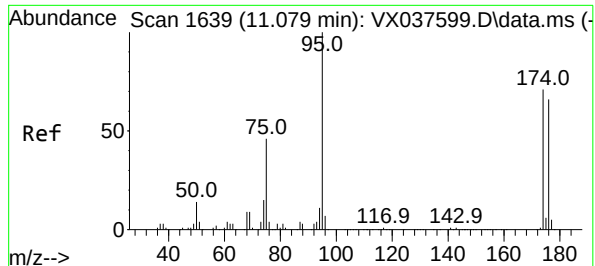
Tgt Ion:107 Resp: 142975

Ion Ratio Lower Upper

107 100

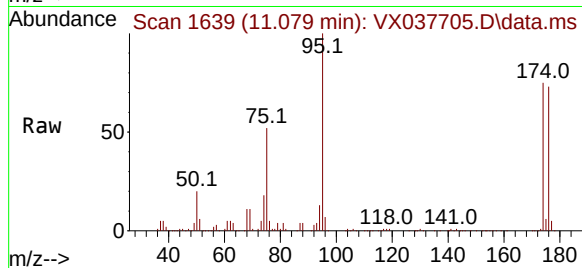
109 94.5 75.2 112.8





#62
4-Bromofluorobenzene
Concen: 52.801 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21

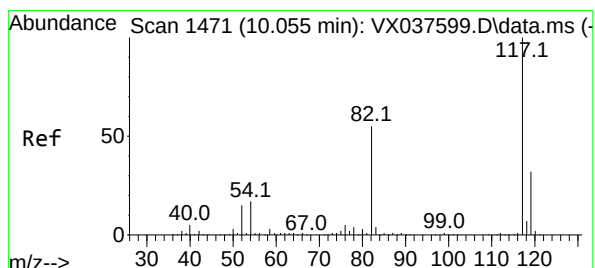
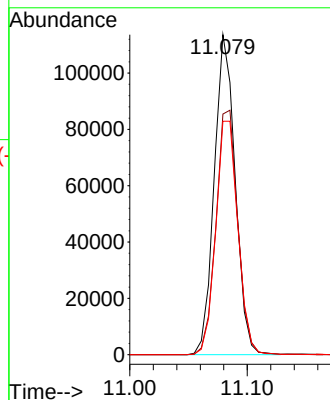
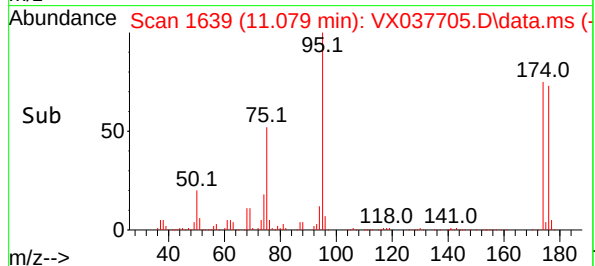
Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MS



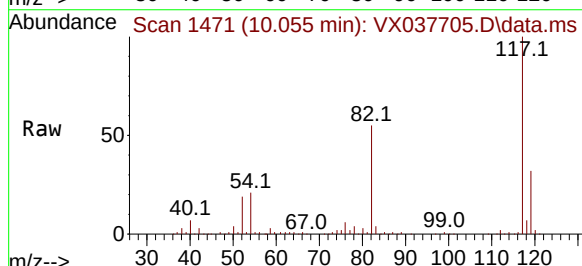
Tgt Ion: 95 Resp: 140740
Ion Ratio Lower Upper
95 100
174 79.8 0.0 135.6
176 77.4 0.0 131.0

Manual Integrations
APPROVED

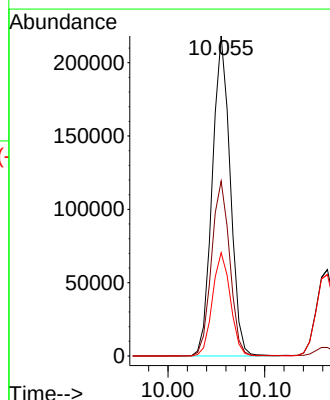
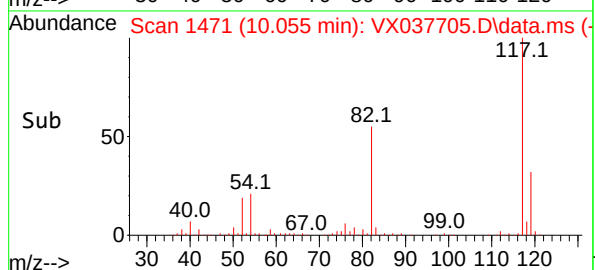
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023

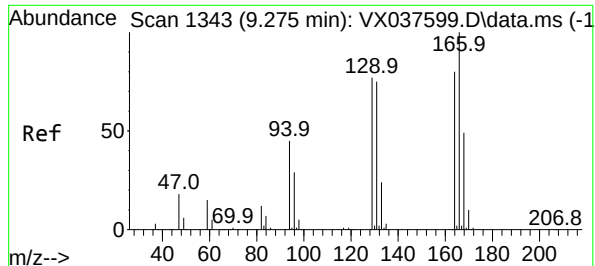


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21



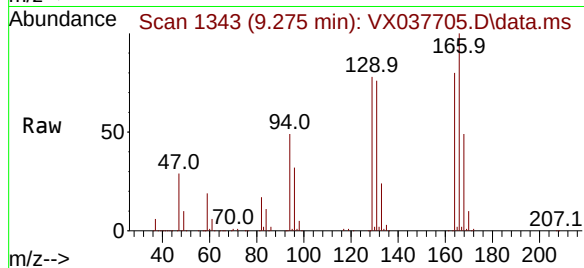
Tgt Ion:117 Resp: 280675
Ion Ratio Lower Upper
117 100
82 54.6 46.2 69.4
119 32.3 25.5 38.3





#64
Tetrachloroethene
Concen: 94.351 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21

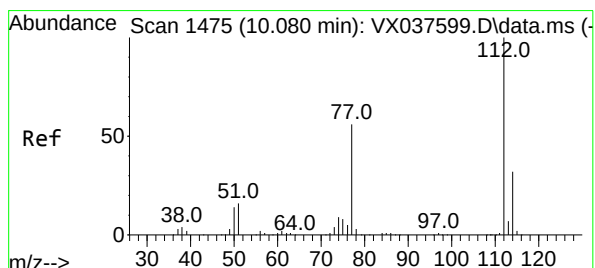
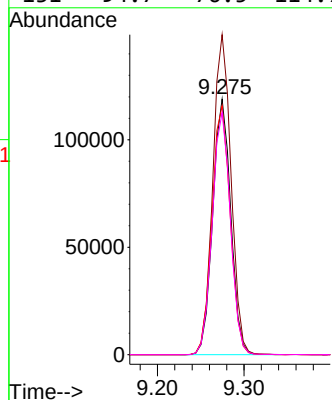
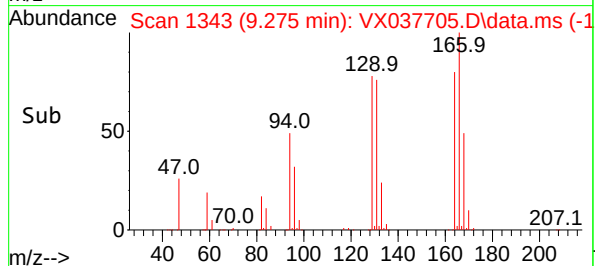
Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MS



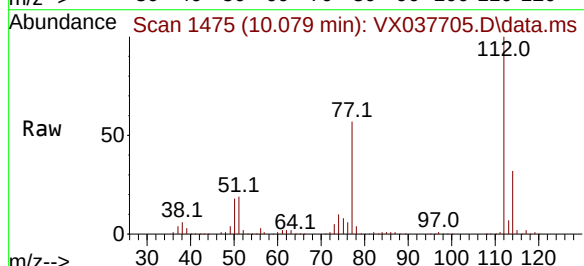
Tgt Ion:164 Resp: 171578
Ion Ratio Lower Upper
164 100
166 125.3 102.7 154.1
129 97.4 80.4 120.6
131 94.7 76.5 114.7

Manual Integrations
APPROVED

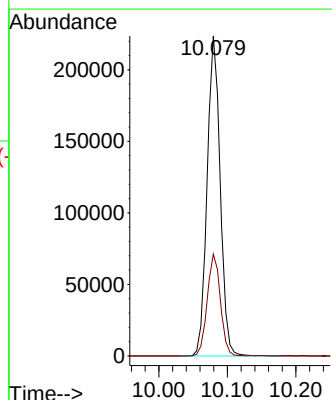
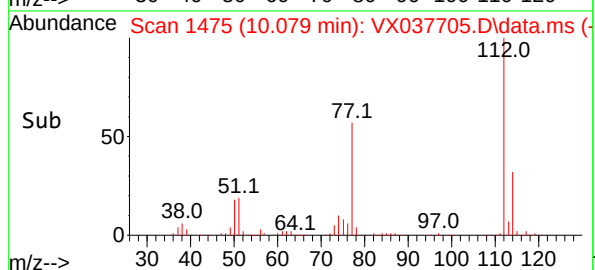
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023

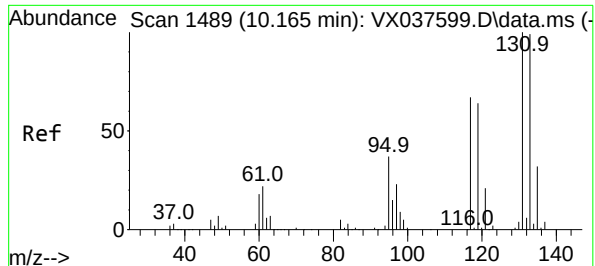


#65
Chlorobenzene
Concen: 49.633 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21



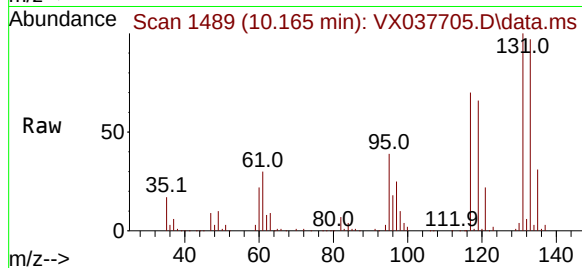
Tgt Ion:112 Resp: 296927
Ion Ratio Lower Upper
112 100
114 31.9 25.7 38.5





#66
1,1,1,2-Tetrachloroethane
Concen: 55.993 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21

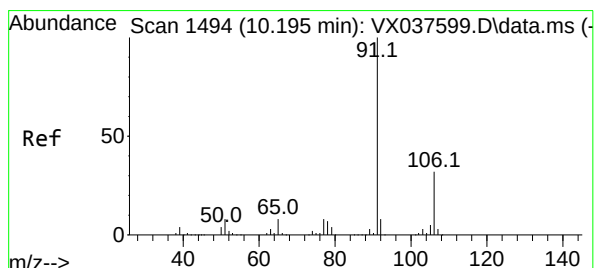
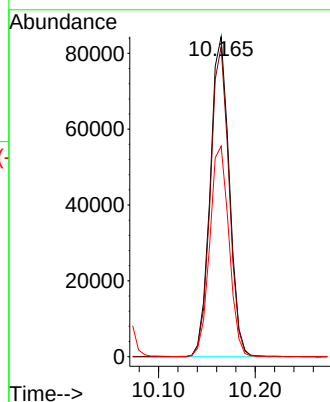
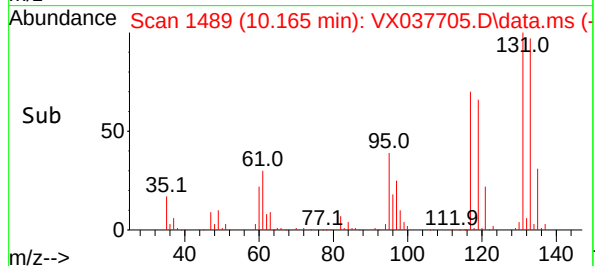
Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MS



Tgt Ion:131 Resp: 11544
Ion Ratio Lower Upper
131 100
133 95.2 47.1 141.4
119 66.7 32.2 96.6

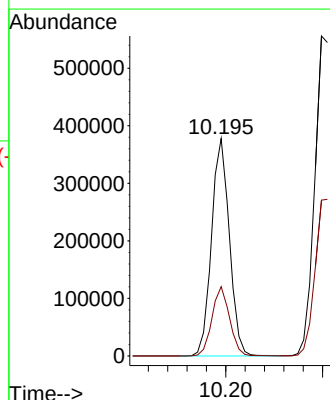
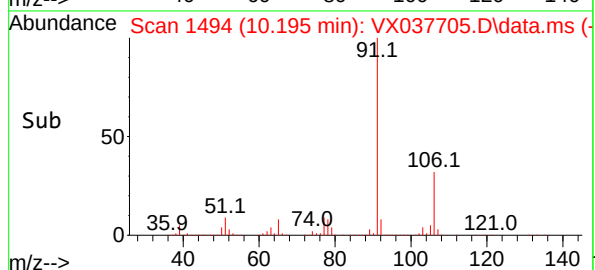
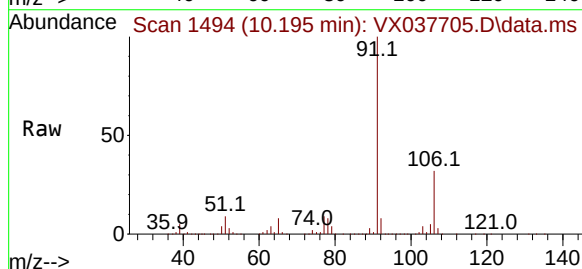
Manual Integrations
APPROVED

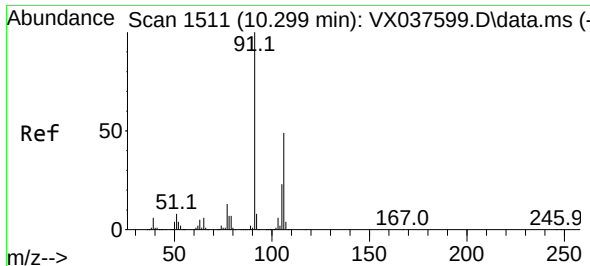
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#67
Ethyl Benzene
Concen: 45.491 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21

Tgt Ion: 91 Resp: 484308
Ion Ratio Lower Upper
91 100
106 31.9 24.9 37.3





#68

m/p-Xylenes

Concen: 92.695 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion:106 Resp: 37628

Ion Ratio Lower Upper

106 100

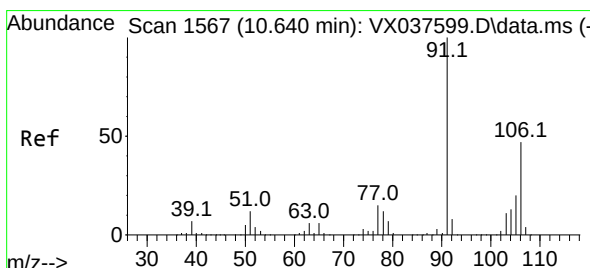
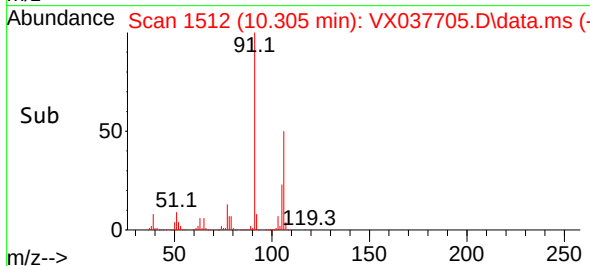
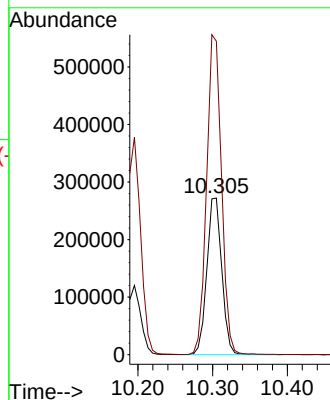
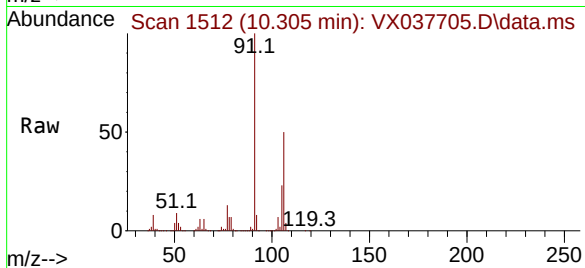
91 204.1 165.5 248.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#69

o-Xylene

Concen: 49.399 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX037705.D

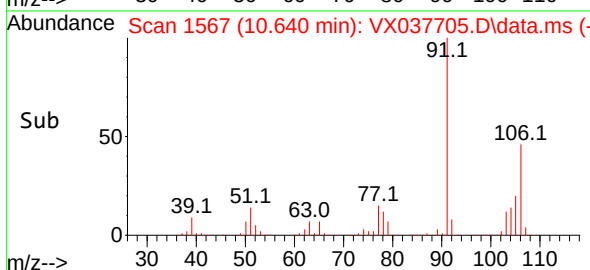
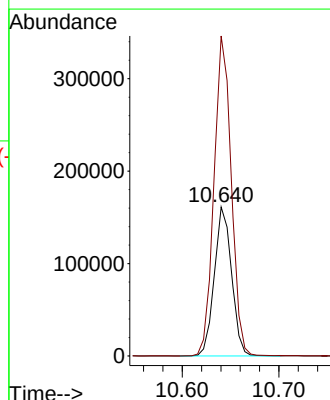
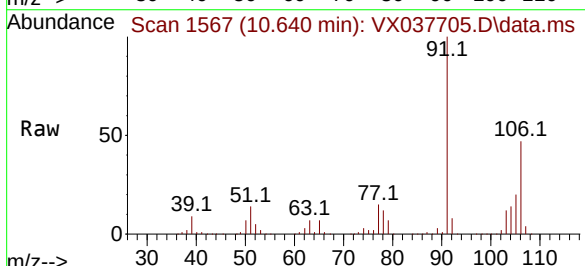
Acq: 13 Sep 2023 19:21

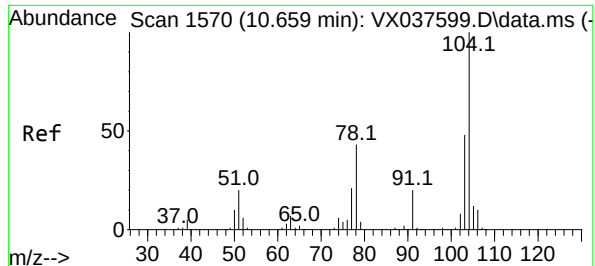
Tgt Ion:106 Resp: 199933

Ion Ratio Lower Upper

106 100

91 215.1 108.9 326.8





#70

Styrene

Concen: 50.915 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.007 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion:104 Resp: 33619

Ion Ratio Lower Upper

104 100

78 50.0 43.6 65.4

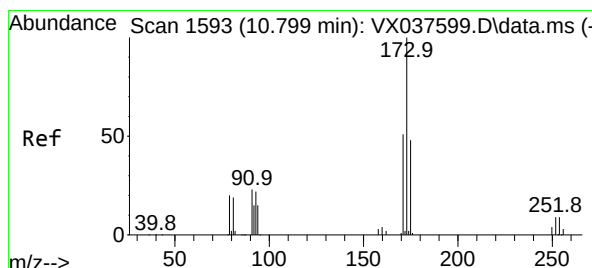
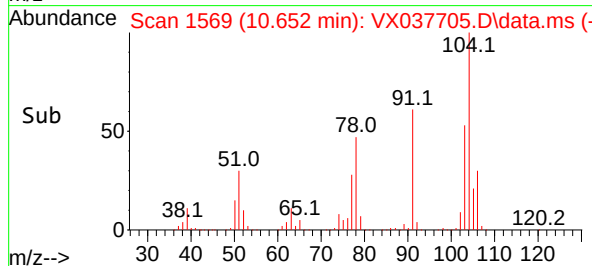
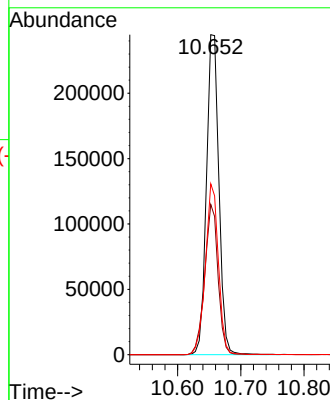
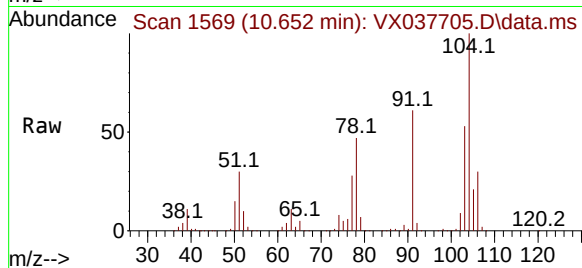
103 55.9 43.6 65.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#71

Bromoform

Concen: 60.138 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

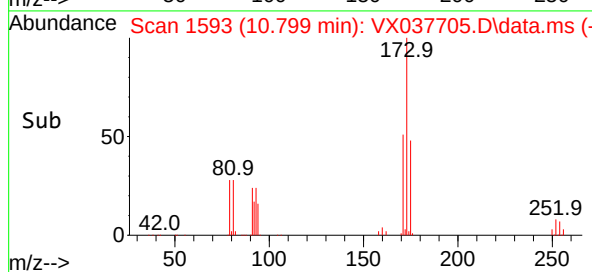
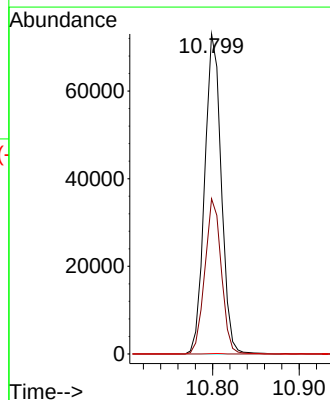
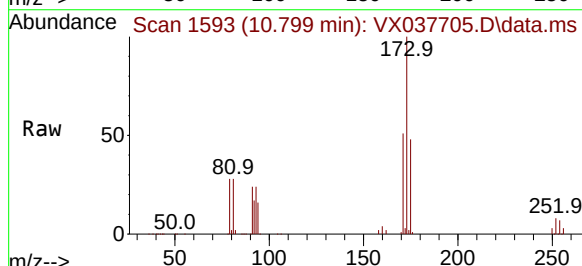
Tgt Ion:173 Resp: 97023

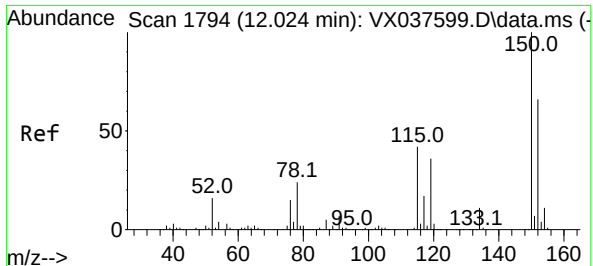
Ion Ratio Lower Upper

173 100

175 48.1 24.1 72.4

254 0.1 0.0 0.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion:152 Resp: 13439

Ion Ratio Lower Upper

152 100

115 81.9 43.3 129.9

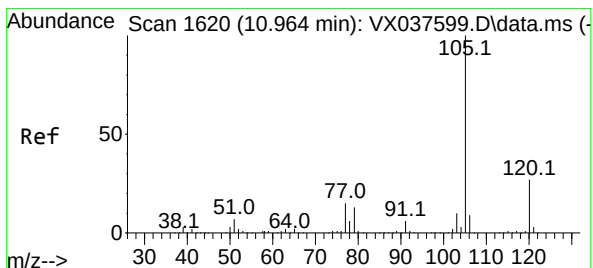
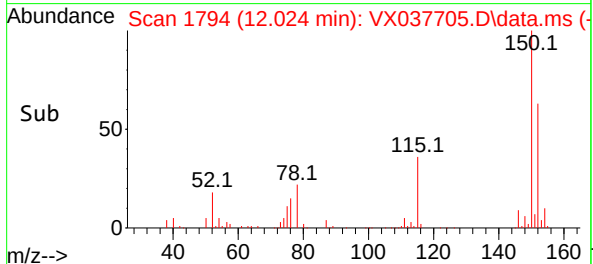
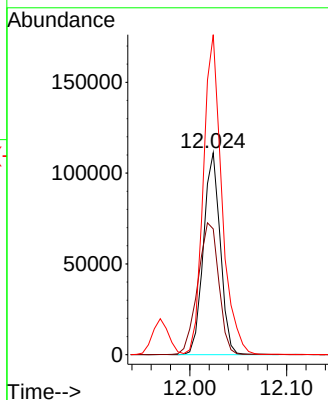
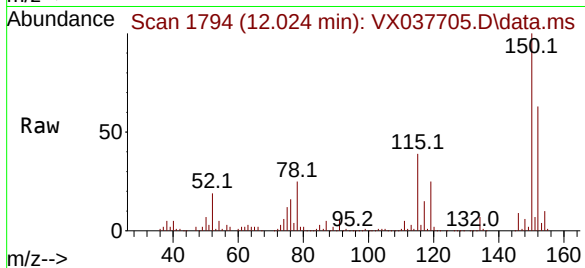
150 174.4 0.0 345.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#73

Isopropylbenzene

Concen: 45.860 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VX037705.D

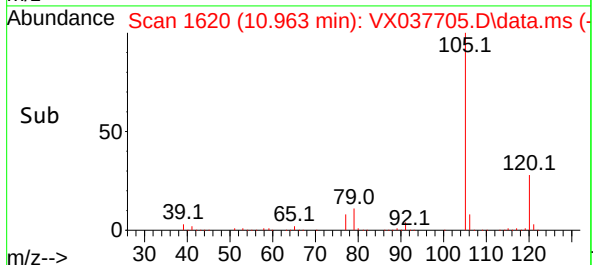
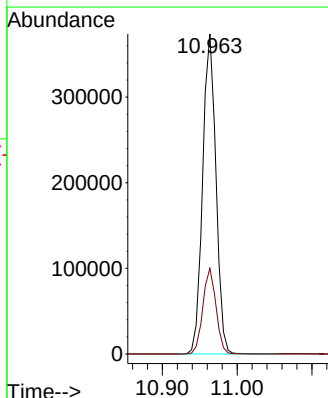
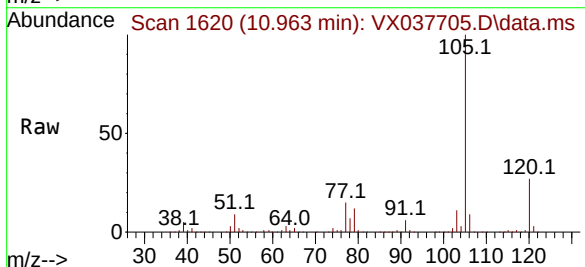
Acq: 13 Sep 2023 19:21

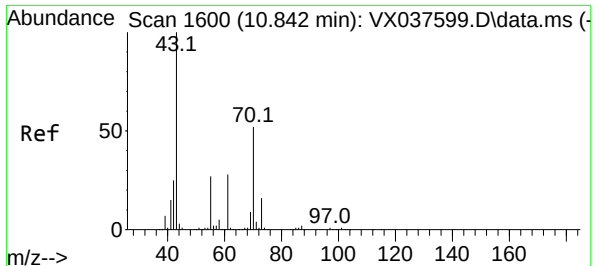
Tgt Ion:105 Resp: 461454

Ion Ratio Lower Upper

105 100

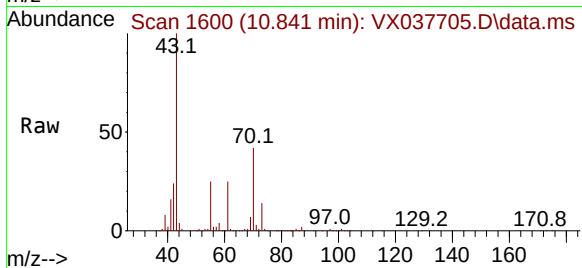
120 26.4 12.9 38.6





#74
N-ethyl acetate
Concen: 45.155 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21

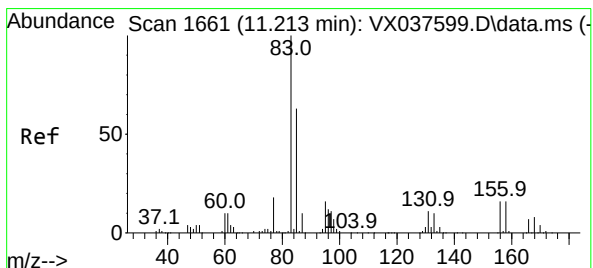
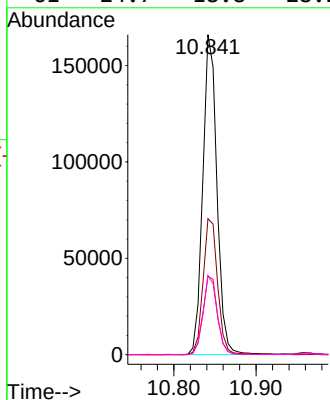
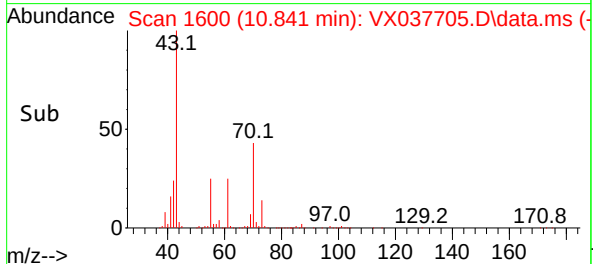
Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MS



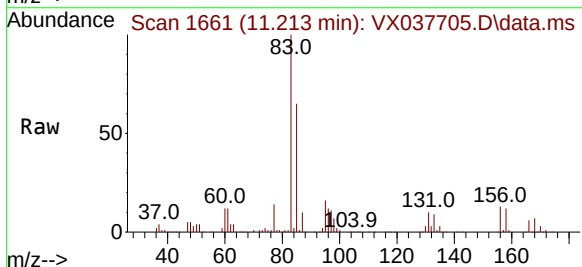
Tgt Ion: 43 Resp: 198129
Ion Ratio Lower Upper
43 100
70 43.7 32.9 49.3
55 25.2 19.3 28.9
61 24.7 18.8 28.2

Manual Integrations
APPROVED

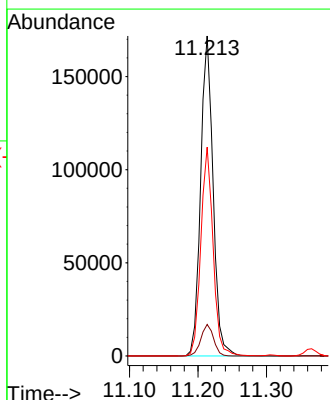
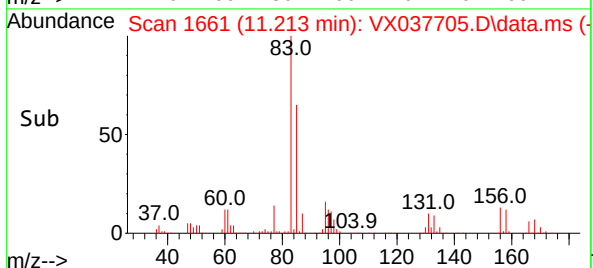
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023

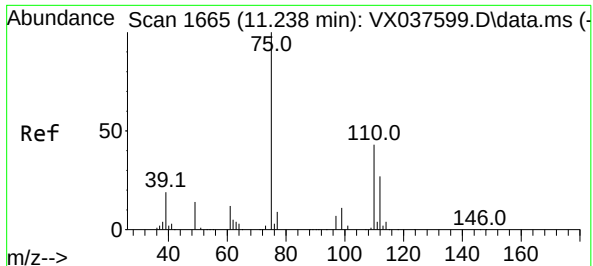


#75
1,1,2,2-Tetrachloroethane
Concen: 57.722 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21



Tgt Ion: 83 Resp: 217349
Ion Ratio Lower Upper
83 100
131 10.1 5.3 15.8
85 64.3 32.0 96.2





#76

1,2,3-Trichloropropane

Concen: 56.931 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion: 75 Resp: 16821

Ion Ratio Lower Upper

75 100

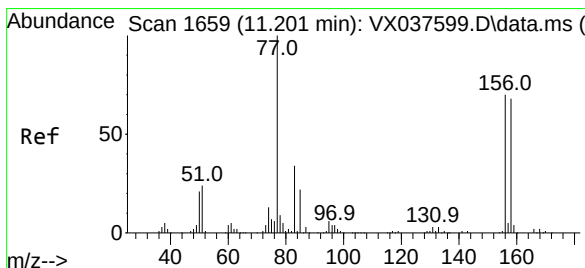
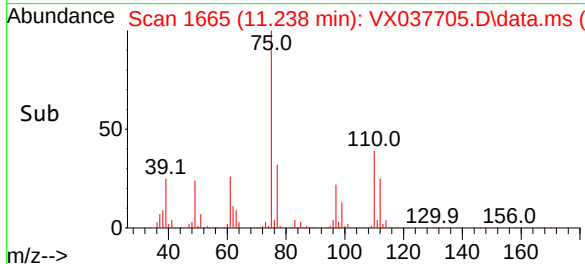
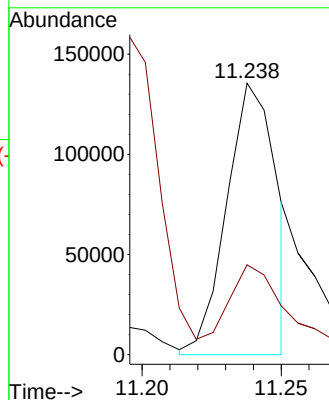
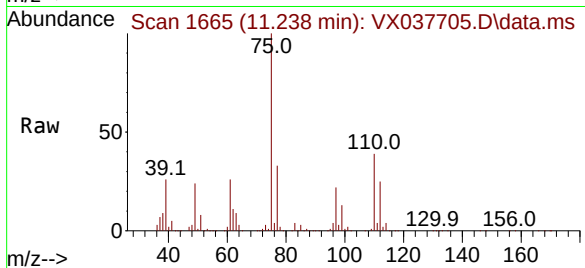
77 40.9 19.1 57.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#77

Bromobenzene

Concen: 55.384 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

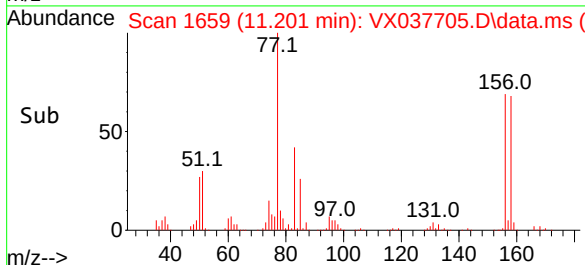
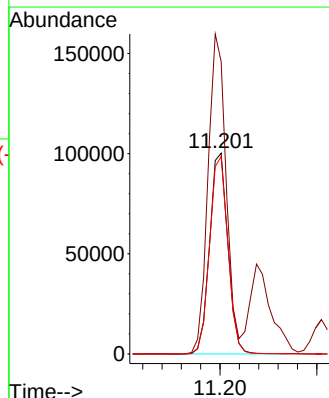
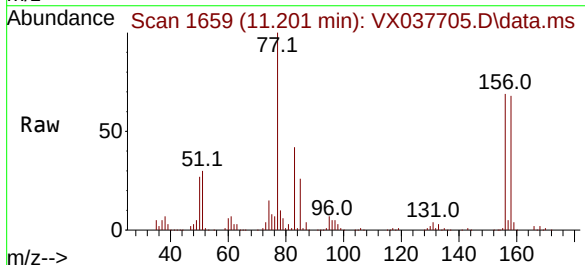
Tgt Ion:156 Resp: 132065

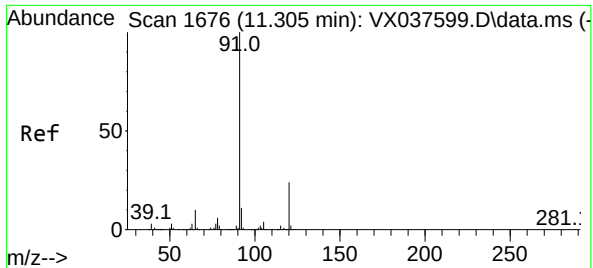
Ion Ratio Lower Upper

156 100

77 156.8 88.4 265.3

158 97.9 48.0 144.0





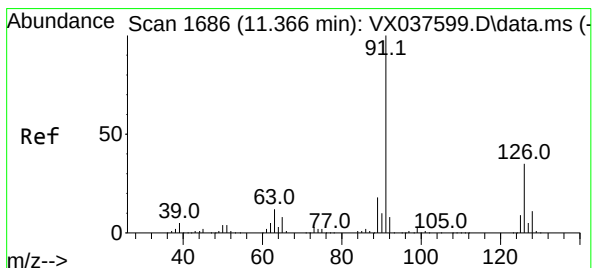
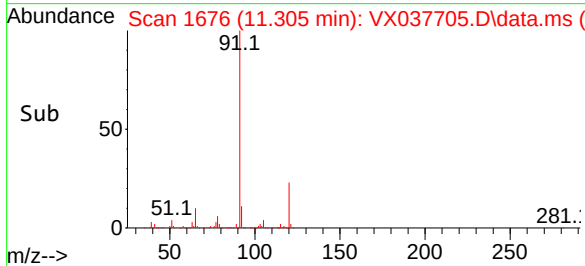
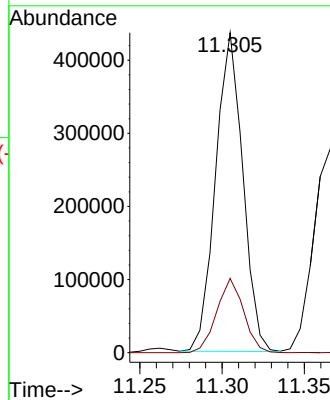
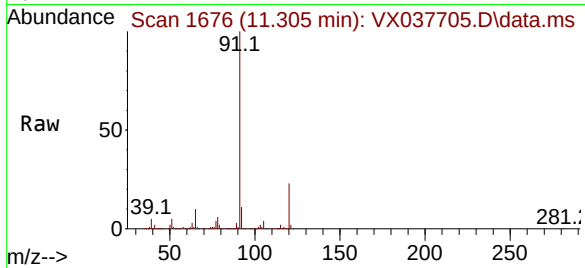
#78
n-propylbenzene
Concen: 43.259 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21

Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MS

Tgt Ion: 91 Resp: 500778
Ion Ratio Lower Upper
91 100
120 23.2 11.5 34.4

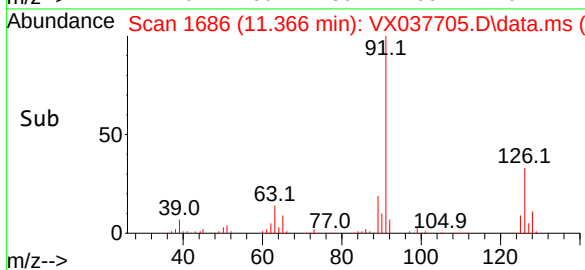
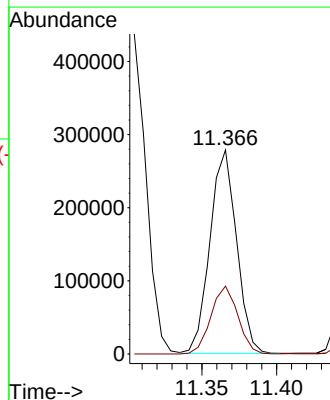
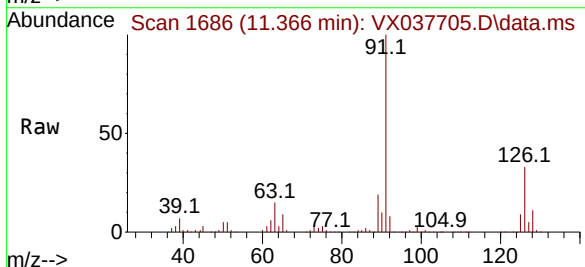
Manual Integrations
APPROVED

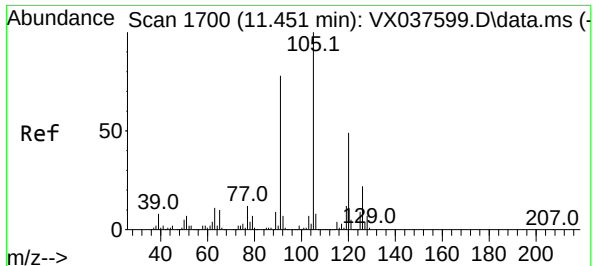
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#79
2-Chlorotoluene
Concen: 48.269 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21

Tgt Ion: 91 Resp: 343964
Ion Ratio Lower Upper
91 100
126 33.7 16.3 48.8





#80

1,3,5-Trimethylbenzene

Concen: 47.539 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion:105 Resp: 402018

Ion Ratio Lower Upper

105 100

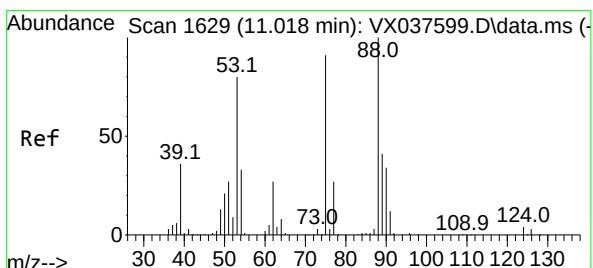
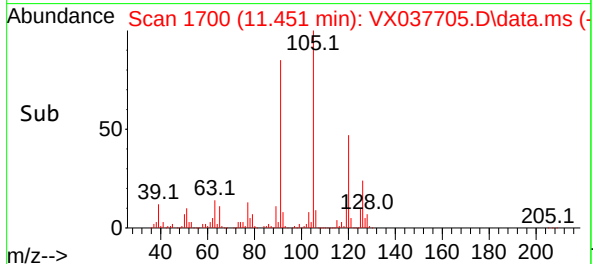
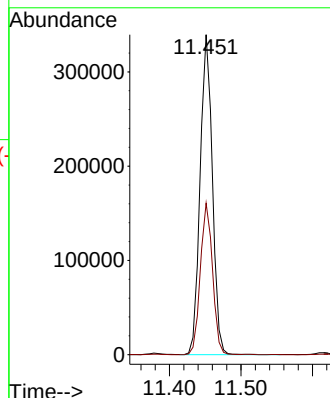
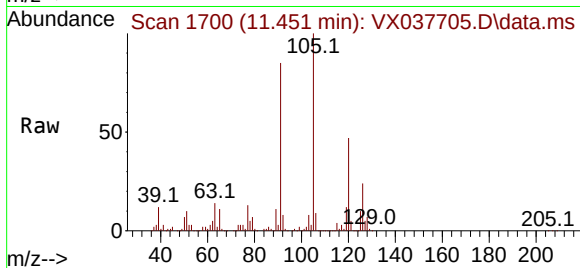
120 47.3 24.1 72.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#81

trans-1,4-Dichloro-2-butene

Concen: 43.402 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

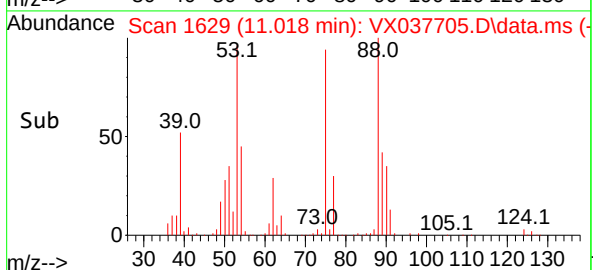
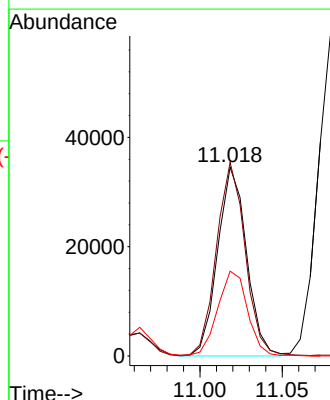
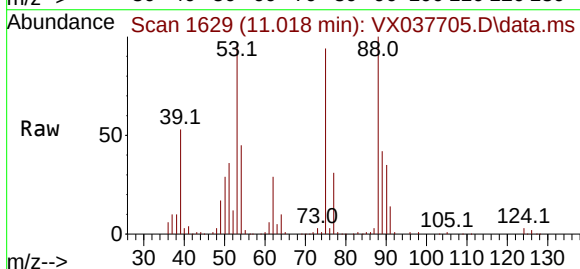
Tgt Ion: 75 Resp: 42188

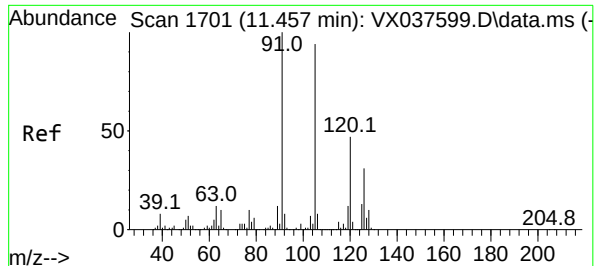
Ion Ratio Lower Upper

75 100

53 101.4 90.5 135.7

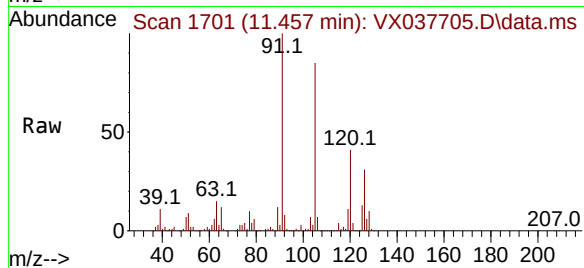
89 46.5 36.9 55.3





#82
4-Chlorotoluene
Concen: 47.233 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21

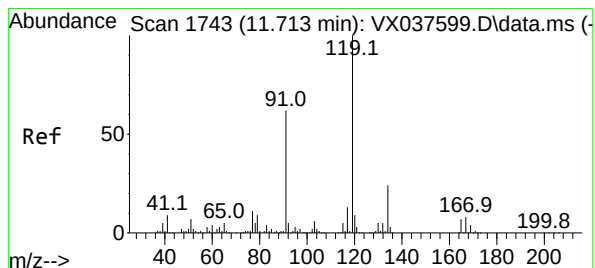
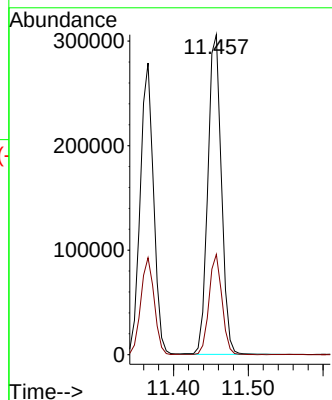
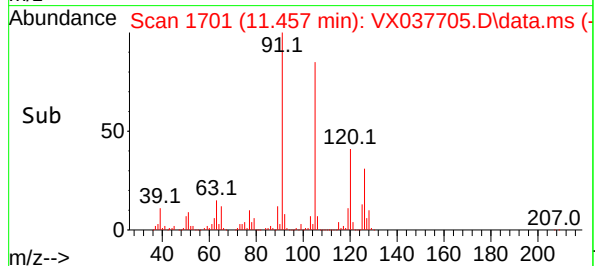
Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MS



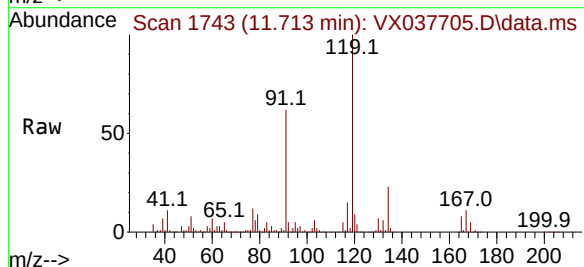
Tgt Ion: 91 Resp: 38448
Ion Ratio Lower Upper
91 100
126 30.2 14.2 42.6

Manual Integrations
APPROVED

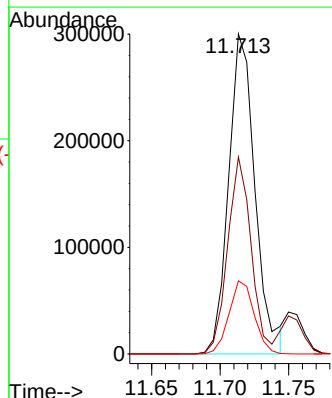
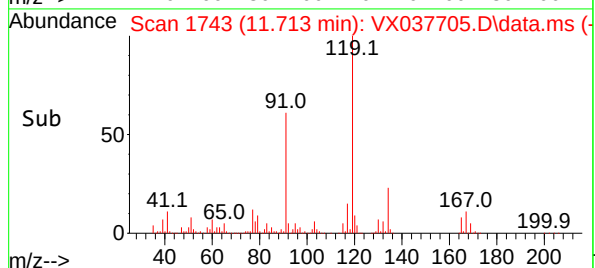
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023

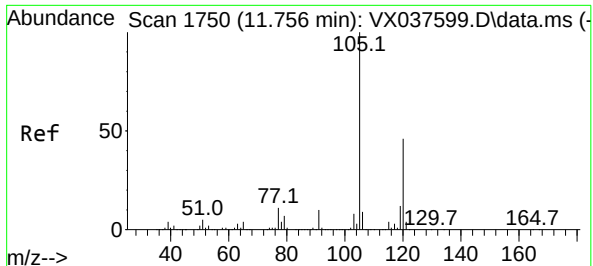


#83
tert-Butylbenzene
Concen: 47.309 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21



Tgt Ion:119 Resp: 401908
Ion Ratio Lower Upper
119 100
91 54.9 31.2 93.6
134 21.9 11.7 35.0





#84

1,2,4-Trimethylbenzene

Concen: 48.387 ug/l

RT: 11.750 min Scan# 1750

Delta R.T. -0.006 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion:105 Resp: 412530

Ion Ratio Lower Upper

105 100

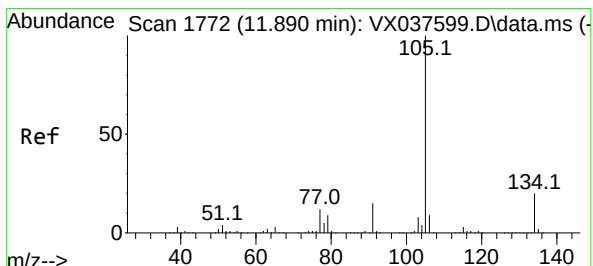
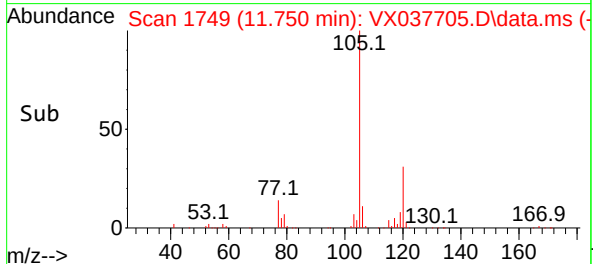
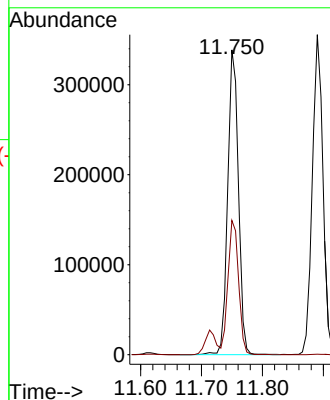
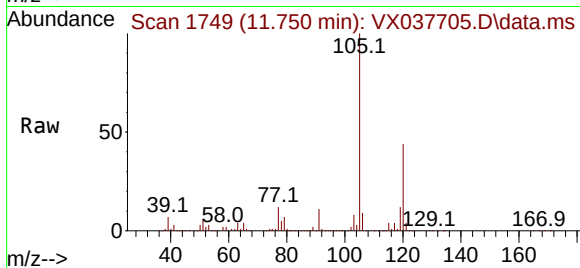
120 43.8 21.2 63.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#85

sec-Butylbenzene

Concen: 40.976 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX037705.D

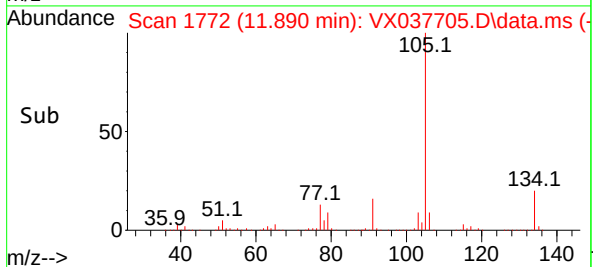
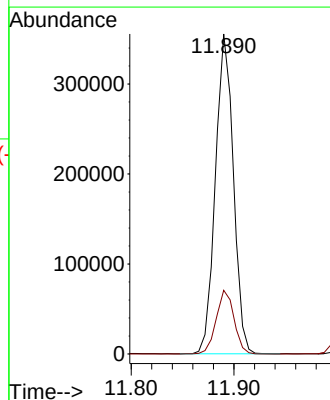
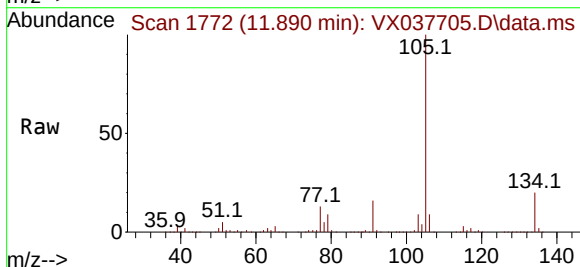
Acq: 13 Sep 2023 19:21

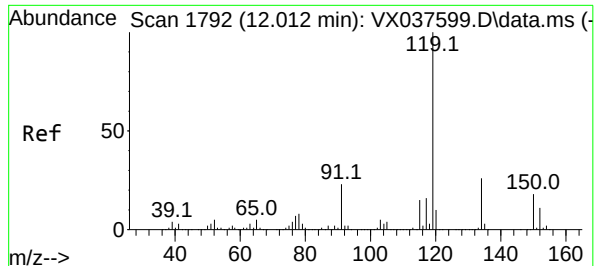
Tgt Ion:105 Resp: 429765

Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.4





#86

p-Isopropyltoluene

Concen: 41.880 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion:119 Resp: 35993

Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.3

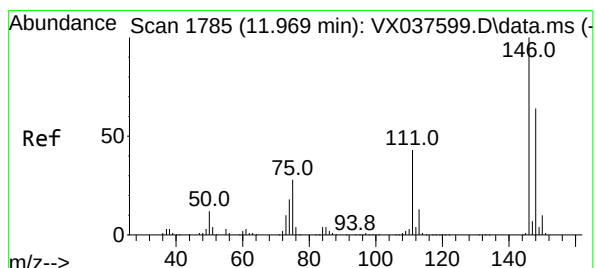
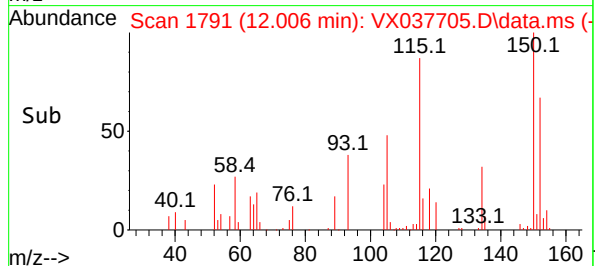
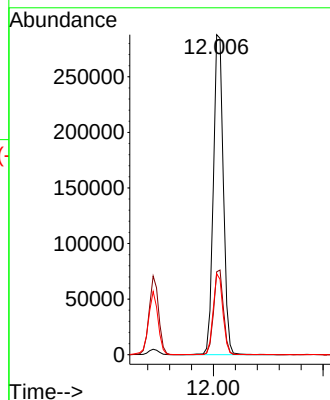
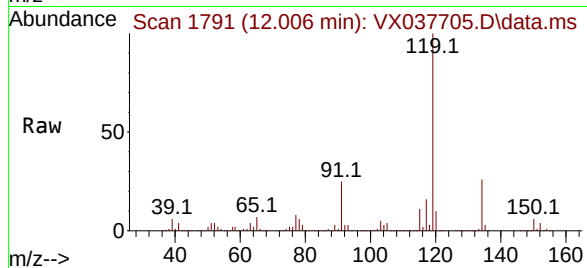
91 24.6 13.1 39.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#87

1,3-Dichlorobenzene

Concen: 48.146 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

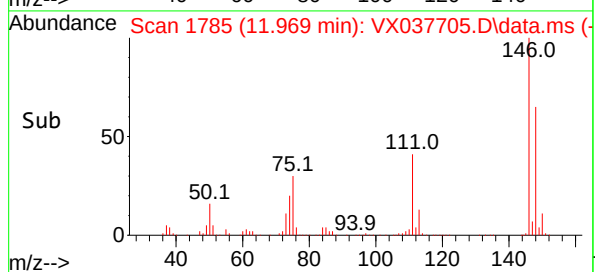
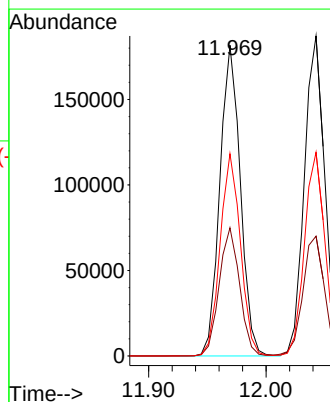
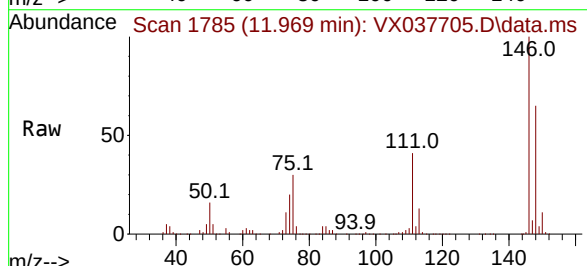
Tgt Ion:146 Resp: 220439

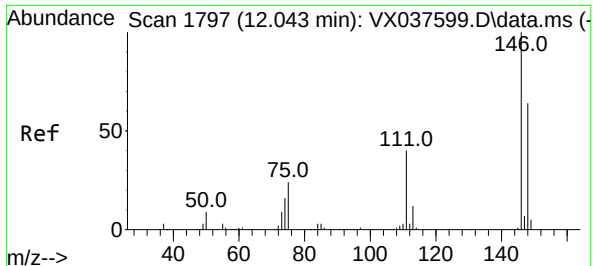
Ion Ratio Lower Upper

146 100

111 41.3 22.1 66.1

148 64.6 31.8 95.3





#88

1,4-Dichlorobenzene

Concen: 48.406 ug/l

RT: 12.042 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion:146 Resp: 227774

Ion Ratio Lower Upper

146 100

111 39.2 21.3 63.7

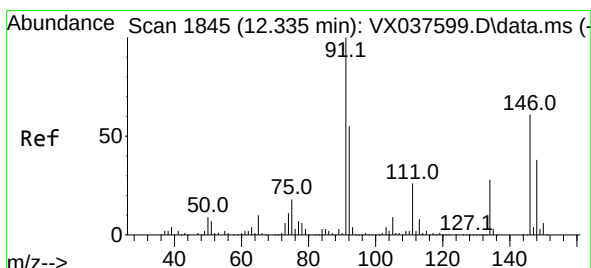
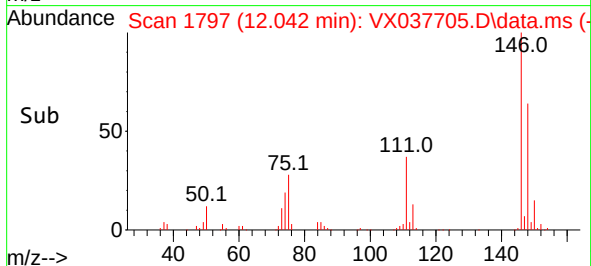
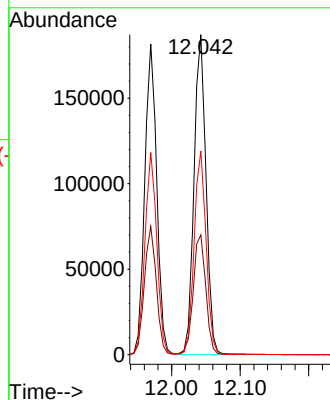
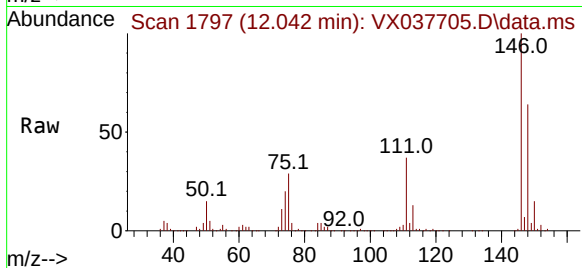
148 63.8 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#89

n-Butylbenzene

Concen: 35.815 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

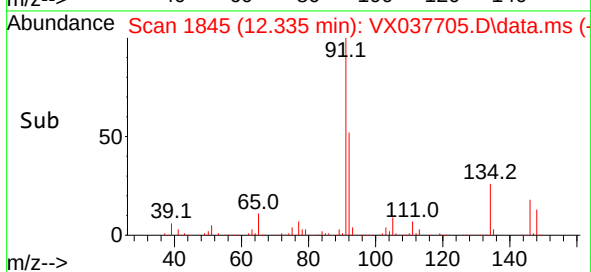
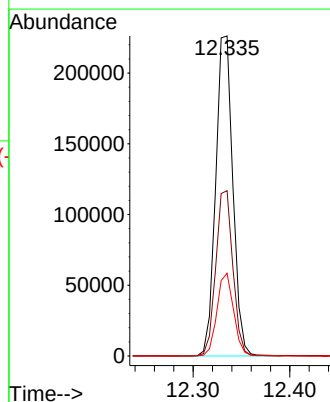
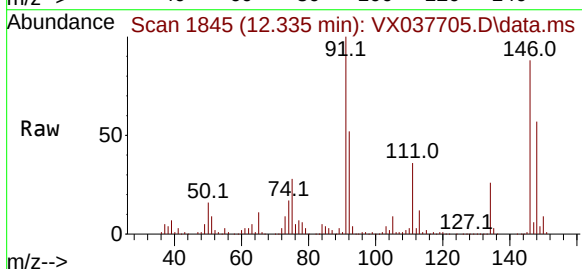
Tgt Ion: 91 Resp: 278782

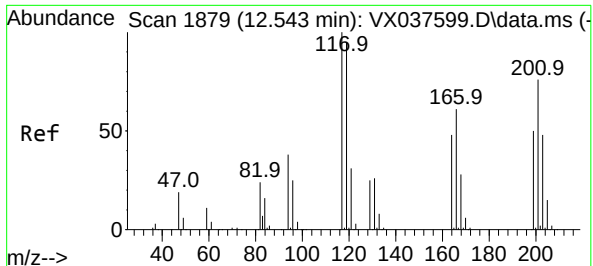
Ion Ratio Lower Upper

91 100

92 51.5 27.4 82.0

134 25.1 12.6 37.8





#90

Hexachloroethane

Concen: 46.459 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.006 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion:117 Resp: 6737

Ion Ratio Lower Upper

117 100

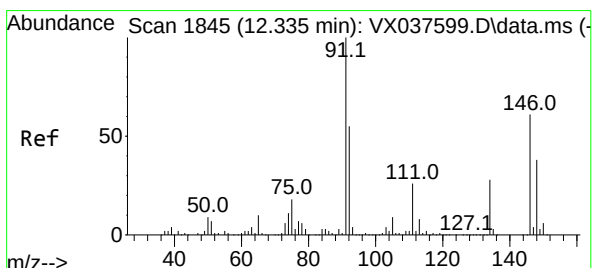
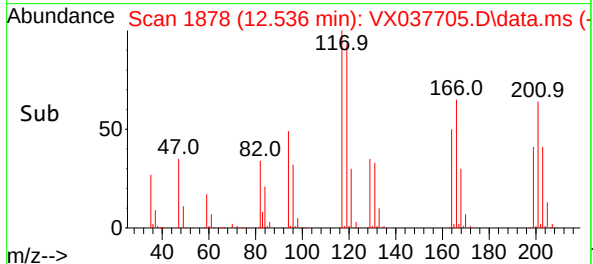
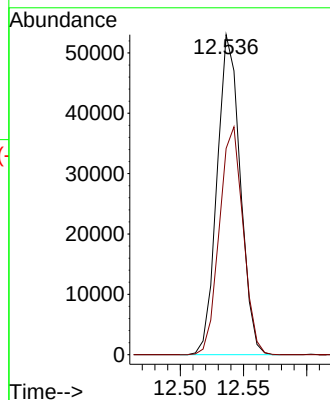
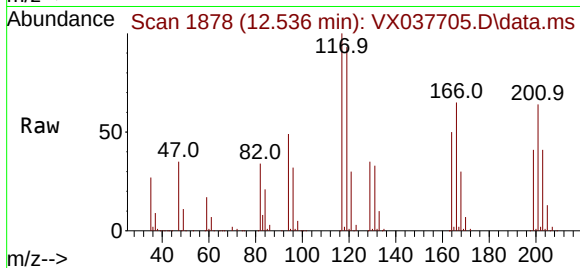
201 73.0 32.9 98.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#91

1,2-Dichlorobenzene

Concen: 53.122 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

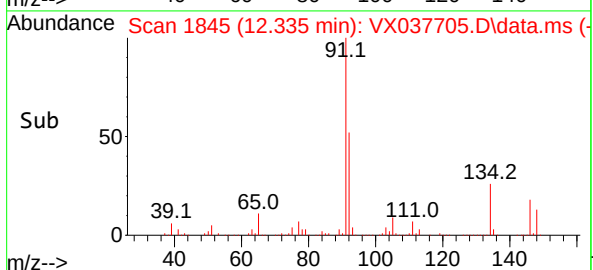
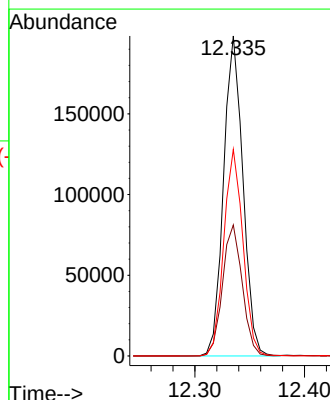
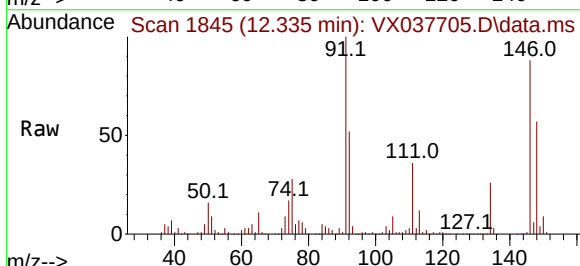
Tgt Ion:146 Resp: 243343

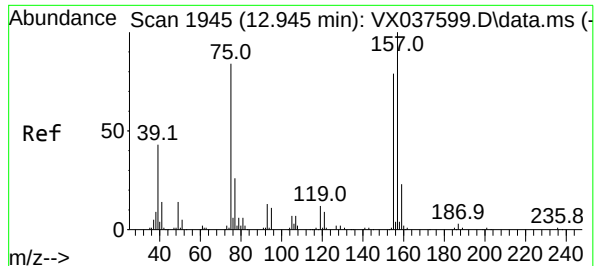
Ion Ratio Lower Upper

146 100

111 41.7 22.4 67.0

148 63.9 31.6 95.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 60.689 ug/l

RT: 12.945 min Scan# 1945

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

Tgt Ion: 75 Resp: 4692

Ion Ratio Lower Upper

75 100

155 83.8 36.1 108.5

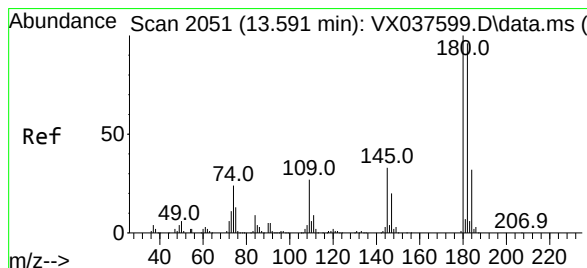
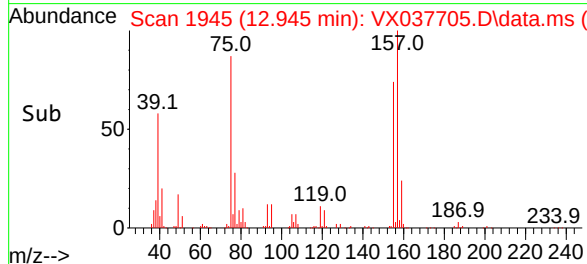
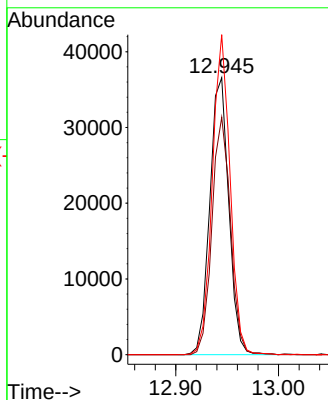
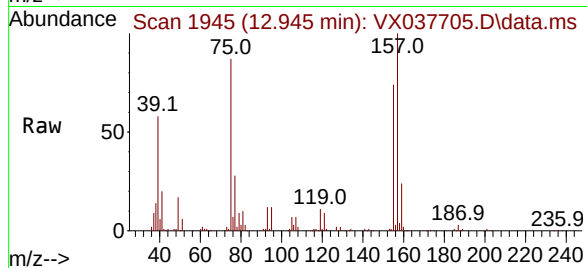
157 108.3 44.9 134.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#93

1,2,4-Trichlorobenzene

Concen: 46.181 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.006 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

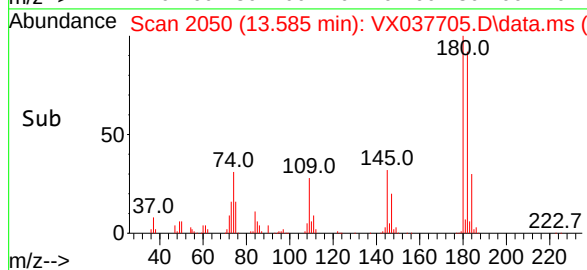
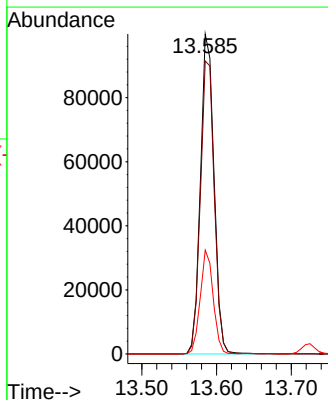
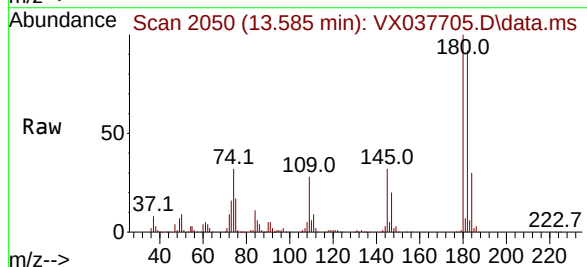
Tgt Ion:180 Resp: 125987

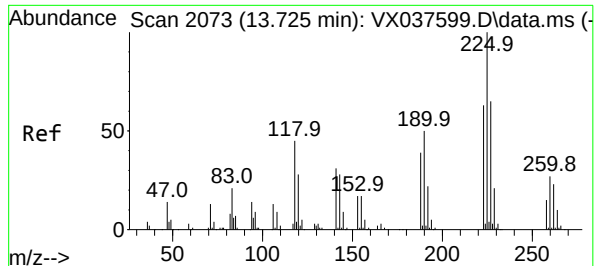
Ion Ratio Lower Upper

180 100

182 93.7 48.3 144.8

145 31.1 18.0 54.0





#94

Hexachlorobutadiene

Concen: 34.039 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MS

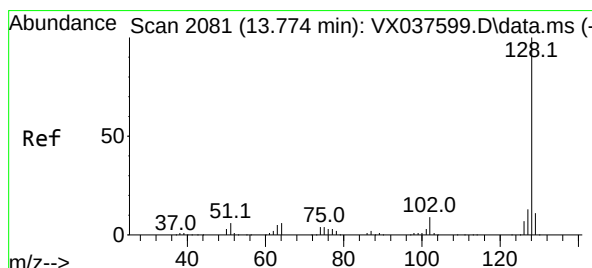
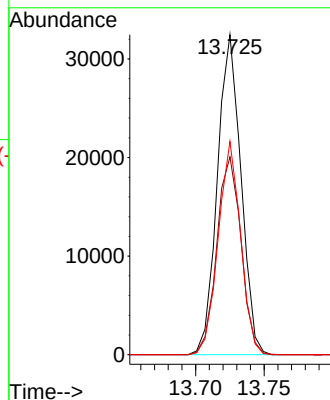
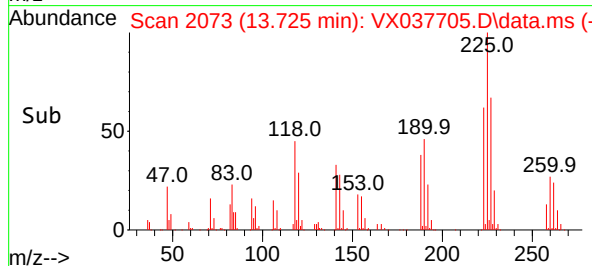
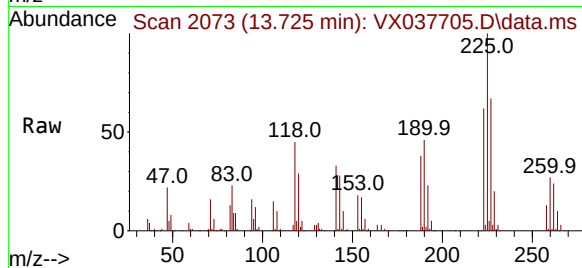
Tgt Ion:	225	Resp:	3879
Ion Ratio	Lower	Upper	
225	100		
223	63.4	31.1	93.2
227	63.3	32.5	97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#95

Naphthalene

Concen: 56.450 ug/l

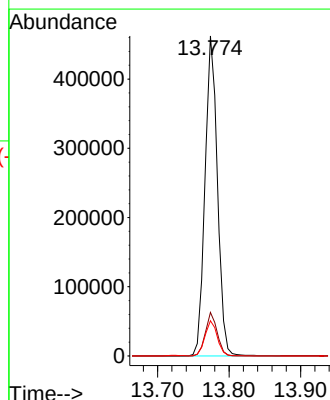
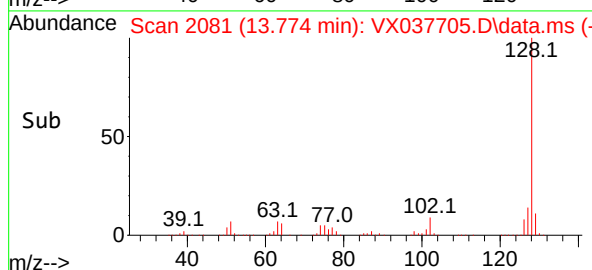
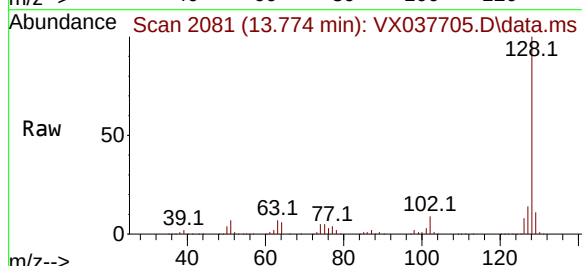
RT: 13.774 min Scan# 2081

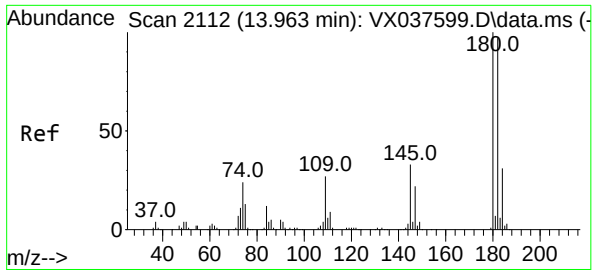
Delta R.T. -0.000 min

Lab File: VX037705.D

Acq: 13 Sep 2023 19:21

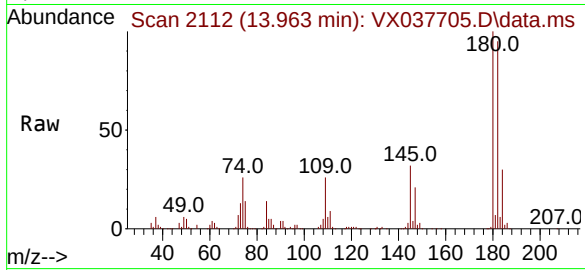
Tgt Ion:	128	Resp:	557853
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	11.0	8.8	13.2





#96
1,2,3-Trichlorobenzene
Concen: 49.547 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX037705.D
Acq: 13 Sep 2023 19:21

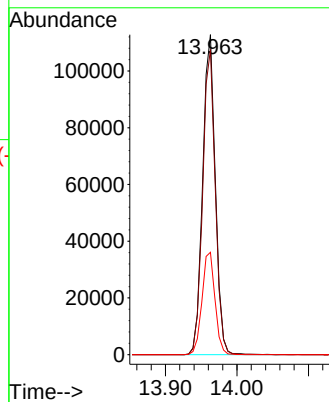
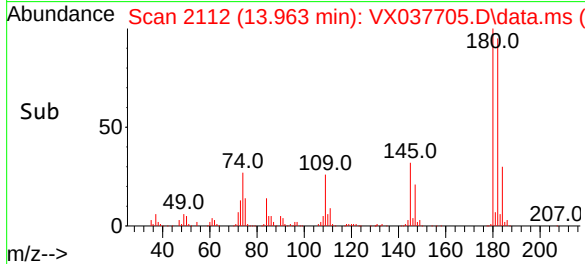
Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MS



Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.9	140.6
145	32.8	17.8	53.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023





Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1042-MW-02(23.8)MSD	SDG No.:	O4373
Lab Sample ID:	O4373-09MSD	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037706.D	1		09/13/23 19:46	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	37.2		0.14	1.00	ug/L
74-87-3	Chloromethane	53.5		0.25	1.00	ug/L
75-01-4	Vinyl Chloride	48.6		0.25	1.00	ug/L
74-83-9	Bromomethane	45.5		1.60	5.00	ug/L
75-00-3	Chloroethane	52.1		0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	42.4		0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	39.2		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	50.1		0.21	1.00	ug/L
67-64-1	Acetone	370		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	44.8		0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	69.3		0.14	1.00	ug/L
79-20-9	Methyl Acetate	54.9		0.36	1.00	ug/L
75-09-2	Methylene Chloride	69.8		0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	55.5		0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	59.1		0.16	1.00	ug/L
110-82-7	Cyclohexane	41.8		1.60	5.00	ug/L
78-93-3	2-Butanone	360		1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	41.2		0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	110		0.20	1.00	ug/L
74-97-5	Bromochloromethane	67.7		0.14	1.00	ug/L
67-66-3	Chloroform	61.6		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	53.1		0.14	1.00	ug/L
108-87-2	Methylcyclohexane	30.8		0.16	1.00	ug/L
71-43-2	Benzene	50.8		0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	54.7		0.16	1.00	ug/L
79-01-6	Trichloroethene	72.8		0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	54.3		0.15	1.00	ug/L
75-27-4	Bromodichloromethane	57.1		0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	310		0.74	5.00	ug/L
108-88-3	Toluene	49.5		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	51.0		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	49.4		0.15	1.00	ug/L



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

Report of Analysis

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File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037706.D	1		09/13/23 19:46	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	60.7		0.13	1.00	ug/L
591-78-6	2-Hexanone	310		0.98	5.00	ug/L
124-48-1	Dibromochloromethane	60.6		0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	60.6		0.13	1.00	ug/L
127-18-4	Tetrachloroethene	92.3		0.17	1.00	ug/L
108-90-7	Chlorobenzene	48.7		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	44.7		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	91.0		0.31	2.00	ug/L
95-47-6	o-Xylene	49.1		0.15	1.00	ug/L
100-42-5	Styrene	51.2		0.13	1.00	ug/L
75-25-2	Bromoform	59.9		0.15	1.00	ug/L
98-82-8	Isopropylbenzene	44.1		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	57.4		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	48.2		0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	47.4		0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	52.7		0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	59.7		0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	45.9		0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	49.6		0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	67.1	*	74 - 125	134%	SPK: 50
1868-53-7	Dibromofluoromethane	57.0		75 - 124	114%	SPK: 50
2037-26-5	Toluene-d8	51.4		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.1		64 - 133	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	124000	5.55			
540-36-3	1,4-Difluorobenzene	263000	6.763			
3114-55-4	Chlorobenzene-d5	270000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	132000	12.024			



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File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037706.D	1		09/13/23 19:46	VX091323

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_X\Data\VX091323\
 Data File : VX037706.D
 Acq On : 13 Sep 2023 19:46
 Operator : JC/MD
 Sample : 04373-09MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1042-MW-02(23.8)MSD

Quant Time: Sep 14 02:25:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/14/2023
 Supervised By : Mahesh Dadoda 09/14/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	124304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	263198	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	269626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	131762	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	134914	67.083	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 134.160%#			
35) Dibromofluoromethane	5.391	113	106354	57.009	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.020%			
50) Toluene-d8	8.653	98	361951	51.444	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.880%			
62) 4-Bromofluorobenzene	11.079	95	137424	54.139	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.280%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	50634	37.153	ug/l	97
3) Chloromethane	1.301	50	83100	53.524	ug/l	95
4) Vinyl Chloride	1.374	62	84828	48.570	ug/l	97
5) Bromomethane	1.593	94	66418	45.464	ug/l	100
6) Chloroethane	1.666	64	62580	52.113	ug/l	100
7) Trichlorofluoromethane	1.874	101	122579	42.421	ug/l	99
8) Diethyl Ether	2.136	74	74338	64.822	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.319	101	50743	39.174	ug/l	98
10) Methyl Iodide	2.447	142	105170	68.751	ug/l	92
11) Tert butyl alcohol	2.983	59	144953	352.641	ug/l #	91
12) 1,1-Dichloroethene	2.313	96	64128	50.144	ug/l	86
13) Acrolein	2.239	56	119934	364.992	ug/l	99
14) Allyl chloride	2.660	41	120975	53.998	ug/l	94
15) Acrylonitrile	3.069	53	336586	364.933	ug/l	99
16) Acetone	2.386	43	301871	371.270	ug/l	90
17) Carbon Disulfide	2.508	76	145735	44.827	ug/l	98
18) Methyl Acetate	2.703	43	188512	54.902	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	350113	69.346	ug/l	99
20) Methylene Chloride	2.788	84	108887	69.765	ug/l	89
21) trans-1,2-Dichloroethene	3.087	96	81589	55.451	ug/l	92
22) Diisopropyl ether	3.764	45	308930	63.296	ug/l #	84
23) Vinyl Acetate	3.721	43	900609	252.978	ug/l	95
24) 1,1-Dichloroethane	3.605	63	168218	59.145	ug/l	99
25) 2-Butanone	4.562	43	472948	356.739	ug/l	92
26) 2,2-Dichloropropane	4.477	77	39199	19.813	ug/l #	60
27) cis-1,2-Dichloroethene	4.489	96	194569	108.441	ug/l	84
28) Bromochloromethane	4.898	49	97326	67.732	ug/l	85
29) Tetrahydrofuran	5.007	42	303393	359.362	ug/l	91
30) Chloroform	5.093	83	189092	61.561	ug/l	99
31) Cyclohexane	5.464	56	96707	41.758	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	135654	53.063	ug/l	98
36) 1,1-Dichloropropene	5.690	75	100949	39.777	ug/l	97
37) Ethyl Acetate	4.721	43	136264	46.925	ug/l	98
38) Carbon Tetrachloride	5.678	117	106832	41.205	ug/l	98
39) Methylcyclohexane	7.379	83	92350	30.752	ug/l	94
40) Benzene	6.038	78	391072	50.830	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
 Data File : VX037706.D
 Acq On : 13 Sep 2023 19:46
 Operator : JC/MD
 Sample : 04373-09MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1042-MW-02(23.8)MSD

Quant Time: Sep 14 02:25:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 09/14/2023
 Supervised By :Mahesh Dadoda 09/14/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	92841	60.698	ug/l #	89
42) 1,2-Dichloroethane	6.086	62	164614	54.742	ug/l	97
43) Isopropyl Acetate	6.342	43	237950	51.363	ug/l	97
44) Trichloroethene	7.123	130	139870	72.764	ug/l	98
45) 1,2-Dichloropropane	7.434	63	110153	54.251	ug/l	96
46) Dibromomethane	7.580	93	86117	58.299	ug/l	95
47) Bromodichloromethane	7.824	83	152232	57.088	ug/l	99
48) Methyl methacrylate	7.696	41	134500	60.059	ug/l #	87
49) 1,4-Dioxane	7.665	88	67040	1208.276	ug/l #	90
51) 4-Methyl-2-Pentanone	8.574	43	957868	314.877	ug/l	96
52) Toluene	8.720	92	244969	49.521	ug/l	93
53) t-1,3-Dichloropropene	8.982	75	137946	51.024	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	146534	49.395	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	126483	60.721	ug/l	96
56) Ethyl methacrylate	9.116	69	197392	61.936	ug/l	91
57) 1,3-Dichloropropane	9.311	76	202217	57.876	ug/l	100
59) 2-Hexanone	9.433	43	718224	305.870	ug/l	94
60) Dibromochloromethane	9.525	129	124055	60.631	ug/l	99
61) 1,2-Dibromoethane	9.610	107	135609	60.566	ug/l	100
64) Tetrachloroethene	9.275	164	161199	92.276	ug/l	99
65) Chlorobenzene	10.079	112	279771	48.682	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	109693	55.383	ug/l	99
67) Ethyl Benzene	10.195	91	457087	44.693	ug/l	99
68) m/p-Xylenes	10.299	106	354765	90.974	ug/l	98
69) o-Xylene	10.640	106	190720	49.054	ug/l	98
70) Styrene	10.659	104	324859	51.214	ug/l	96
71) Bromoform	10.799	173	92868	59.921	ug/l #	100
73) Isopropylbenzene	10.963	105	435430	44.139	ug/l	99
74) N-amyl acetate	10.842	43	186175	43.279	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	211738	57.356	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	162981m	56.264	ug/l	
77) Bromobenzene	11.195	156	127941	54.727	ug/l	90
78) n-propylbenzene	11.305	91	479269	42.228	ug/l	100
79) 2-Chlorotoluene	11.366	91	327993	46.948	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	377890	45.579	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	39804	41.769	ug/l	94
82) 4-Chlorotoluene	11.457	91	368918	46.227	ug/l	96
83) tert-Butylbenzene	11.713	119	381152	45.763	ug/l	92
84) 1,2,4-Trimethylbenzene	11.750	105	394880	47.242	ug/l	98
85) sec-Butylbenzene	11.890	105	405781	39.463	ug/l	100
86) p-Isopropyltoluene	12.012	119	343478	40.765	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	216257	48.177	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	218652	47.396	ug/l	98
89) n-Butylbenzene	12.335	91	261959	34.327	ug/l	97
90) Hexachloroethane	12.536	117	63406	44.595	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	236731	52.712	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	45261	59.710	ug/l	80
93) 1,2,4-Trichlorobenzene	13.585	180	122682	45.869	ug/l	97
94) Hexachlorobutadiene	13.725	225	35772	32.018	ug/l	97
95) Naphthalene	13.774	128	549832	56.751	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	136145	49.611	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
Data File : VX037706.D
Acq On : 13 Sep 2023 19:46
Operator : JC/MD
Sample : 04373-09MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Sep 14 02:25:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MSD

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023

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

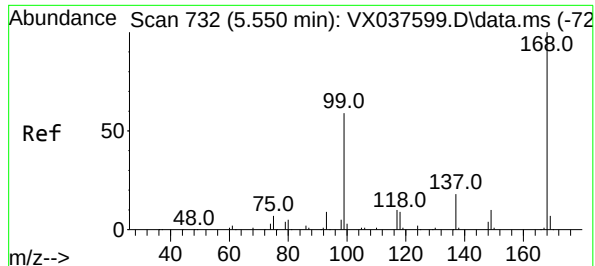
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MSD

Manual Integrations APPROVED

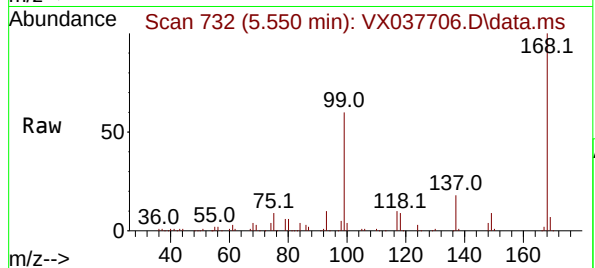
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037706.D
Acq: 13 Sep 2023 19:46

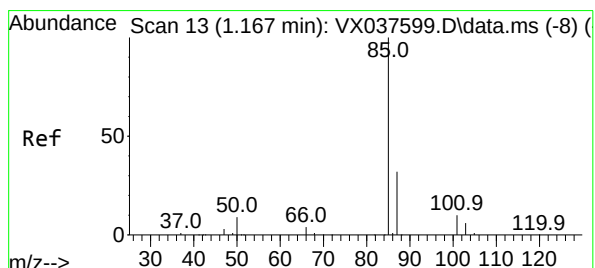
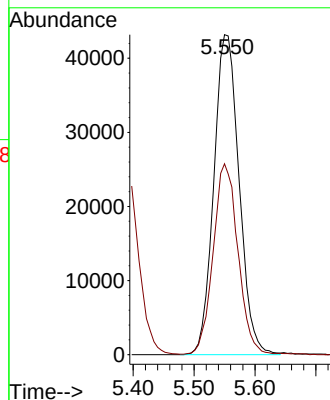
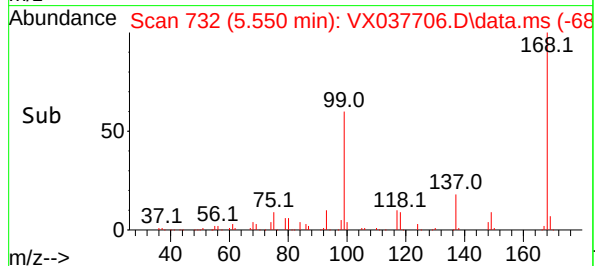
Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MSD



Tgt Ion:168 Resp: 124304
Ion Ratio Lower Upper
168 100
99 59.5 56.6 85.0

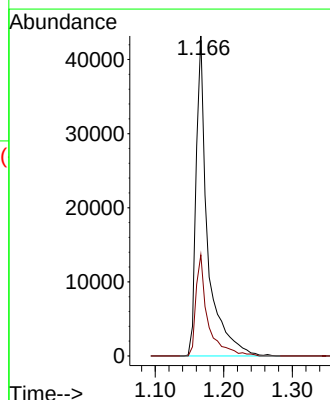
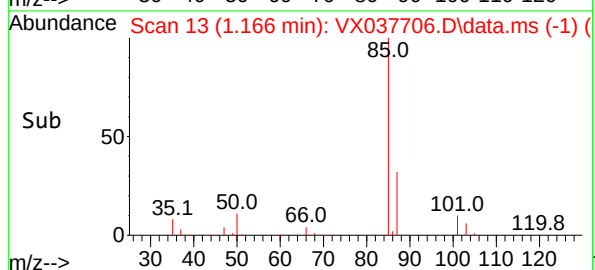
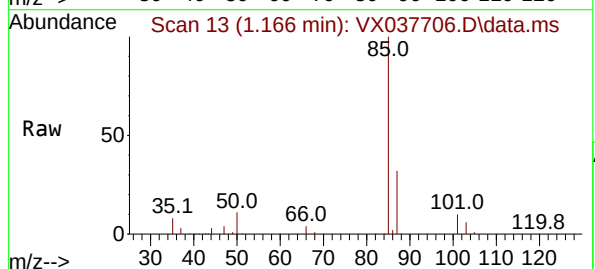
Manual Integrations
APPROVED

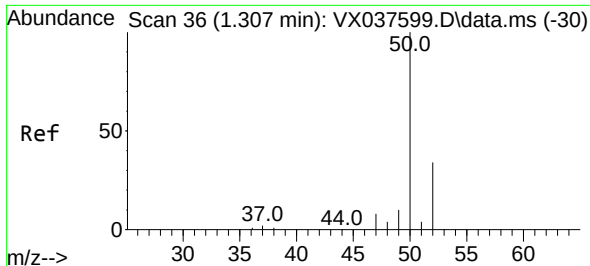
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#2
Dichlorodifluoromethane
Concen: 37.153 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX037706.D
Acq: 13 Sep 2023 19:46

Tgt Ion: 85 Resp: 50634
Ion Ratio Lower Upper
85 100
87 31.6 16.7 50.1





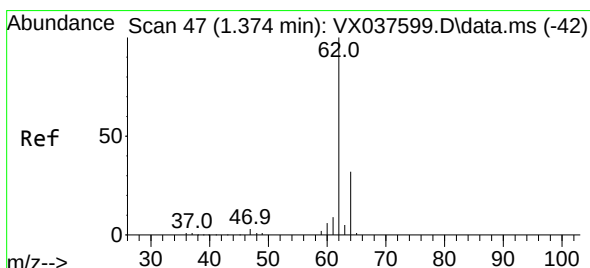
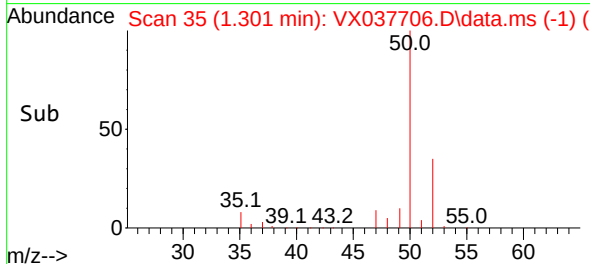
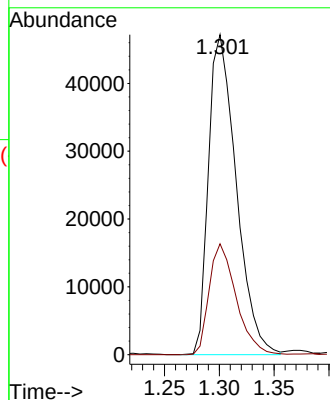
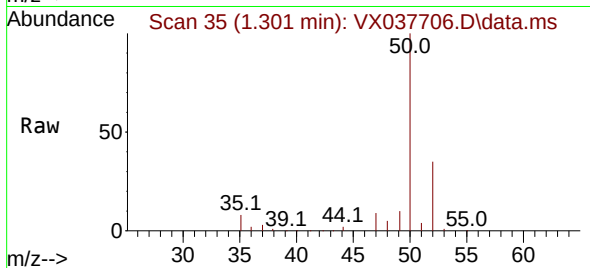
#3
Chloromethane
Concen: 53.524 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.006 min
Lab File: VX037706.D
Acq: 13 Sep 2023 19:46

Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MSD

Tgt Ion: 50 Resp: 83100
Ion Ratio Lower Upper
50 100
52 34.7 25.5 38.3

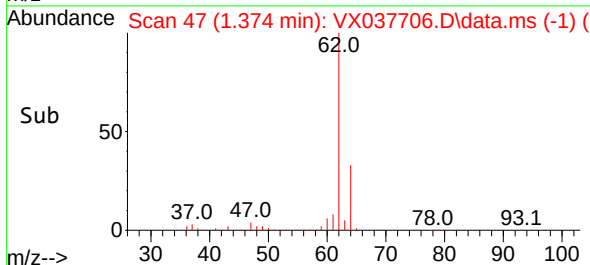
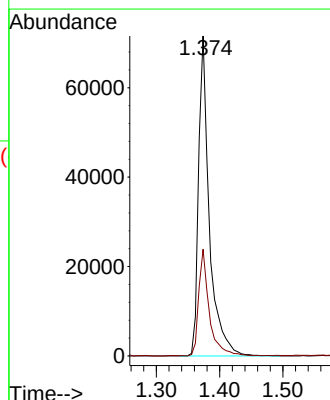
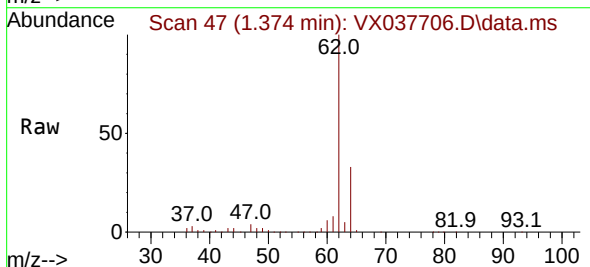
Manual Integrations
APPROVED

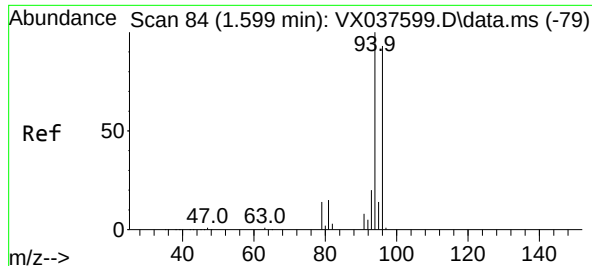
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#4
Vinyl Chloride
Concen: 48.570 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX037706.D
Acq: 13 Sep 2023 19:46

Tgt Ion: 62 Resp: 84828
Ion Ratio Lower Upper
62 100
64 33.2 25.4 38.0





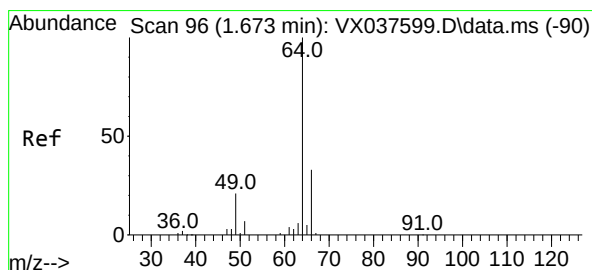
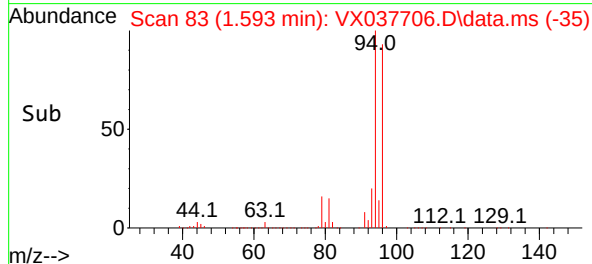
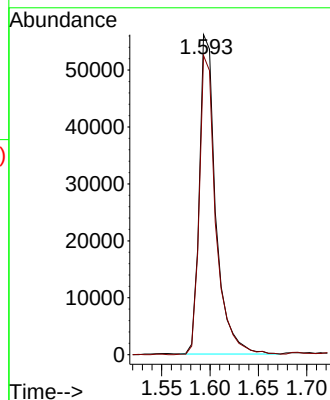
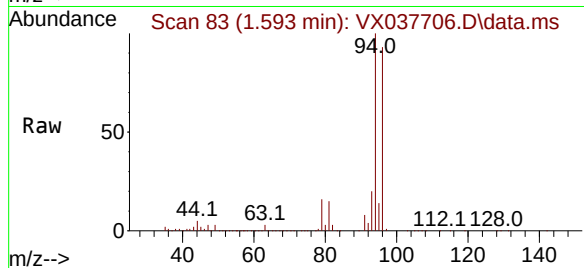
#5
Bromomethane
Concen: 45.464 ug/l
RT: 1.593 min Scan# 84
Delta R.T. -0.006 min
Lab File: VX037706.D
Acq: 13 Sep 2023 19:46

Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MSD

Tgt Ion: 94 Resp: 66418
Ion Ratio Lower Upper
94 100
96 93.5 74.6 111.8

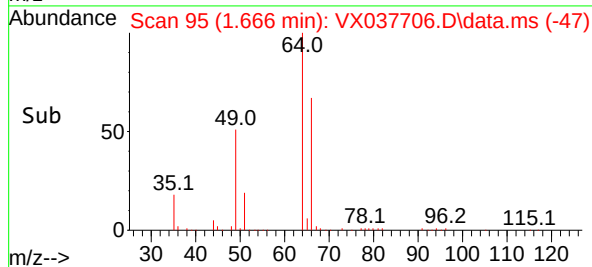
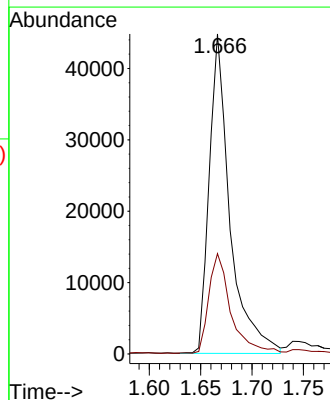
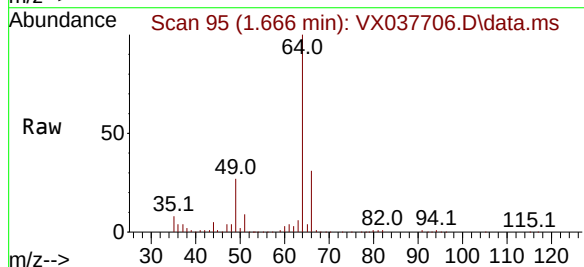
Manual Integrations
APPROVED

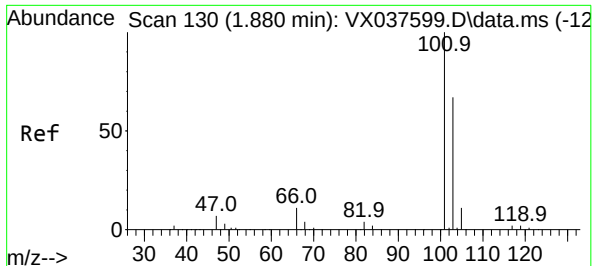
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#6
Chloroethane
Concen: 52.113 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.007 min
Lab File: VX037706.D
Acq: 13 Sep 2023 19:46

Tgt Ion: 64 Resp: 62580
Ion Ratio Lower Upper
64 100
66 31.1 25.1 37.7





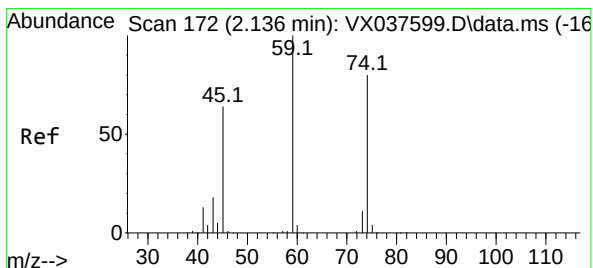
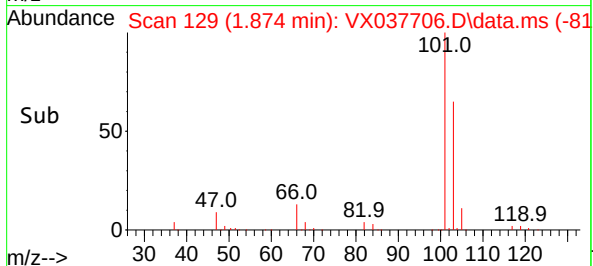
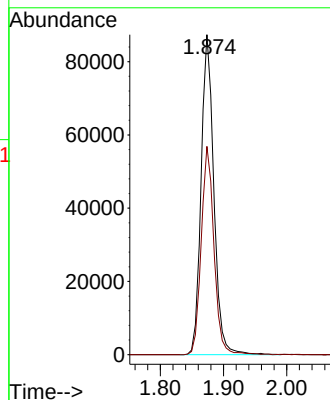
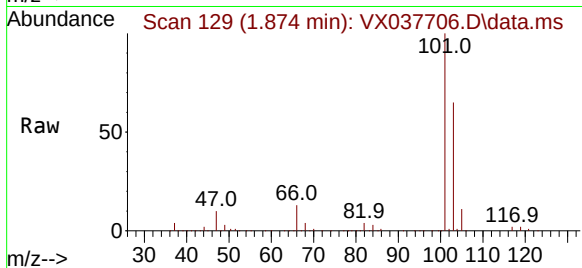
#7
Trichlorofluoromethane
Concen: 42.421 ug/l
RT: 1.874 min Scan# 101
Delta R.T. -0.006 min
Lab File: VX037706.D
Acq: 13 Sep 2023 19:46

Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MSD

Tgt Ion:101 Resp: 122579
Ion Ratio Lower Upper
101 100
103 65.1 51.4 77.2

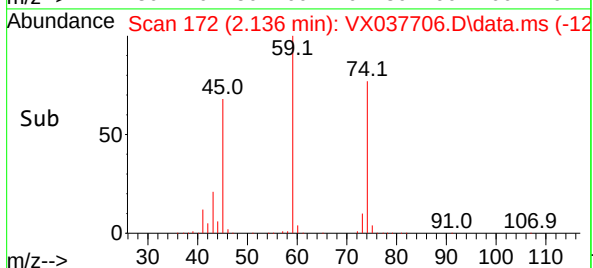
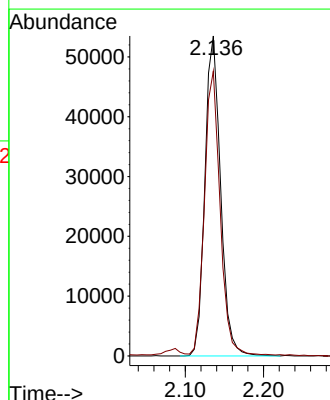
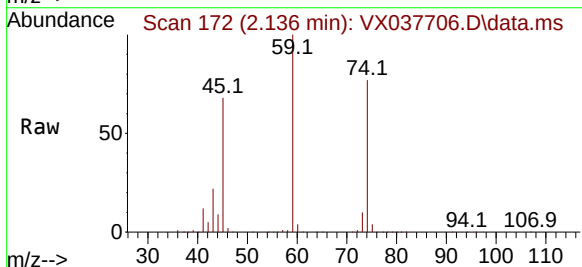
Manual Integrations
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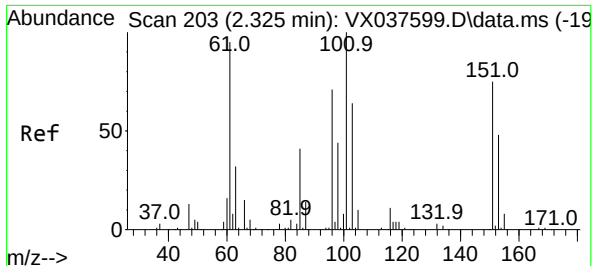
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#8
Diethyl Ether
Concen: 64.822 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX037706.D
Acq: 13 Sep 2023 19:46

Tgt Ion: 74 Resp: 74338
Ion Ratio Lower Upper
74 100
45 90.1 53.3 159.8





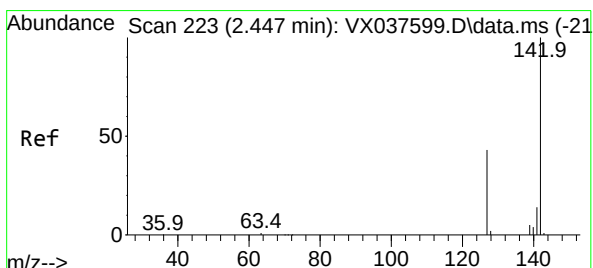
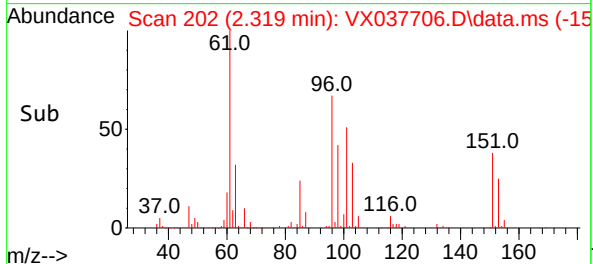
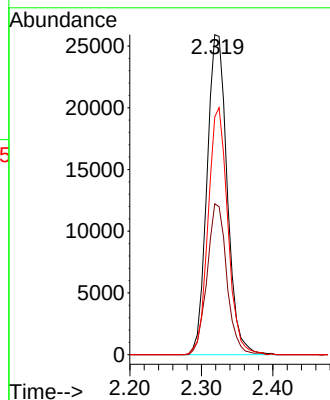
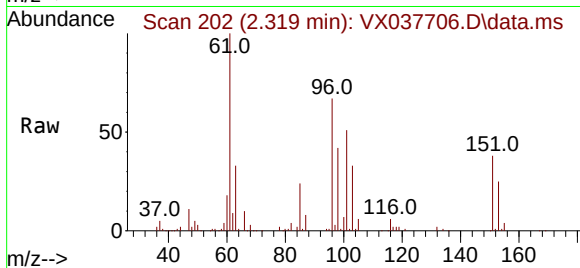
#9
1,1,2-Trichlorotrifluoroethane
Concen: 39.174 ug/l
RT: 2.319 min Scan# 203
Delta R.T. -0.006 min
Lab File: VX037706.D
Acq: 13 Sep 2023 19:46

Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MSD

Tgt Ion:101 Resp: 5074
Ion Ratio Lower Upper
101 100
85 46.2 37.0 55.6
151 75.3 58.6 87.8

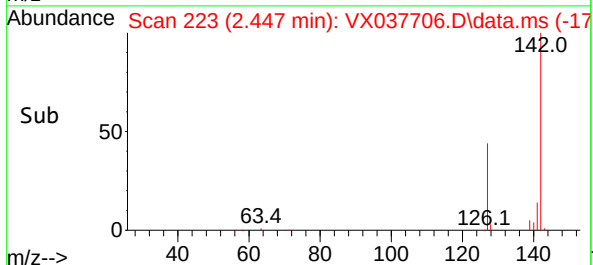
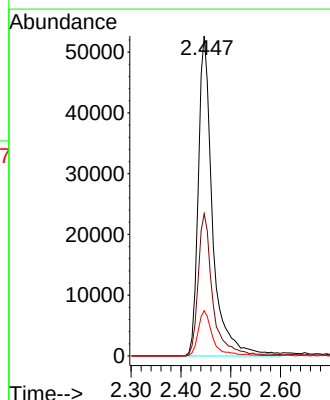
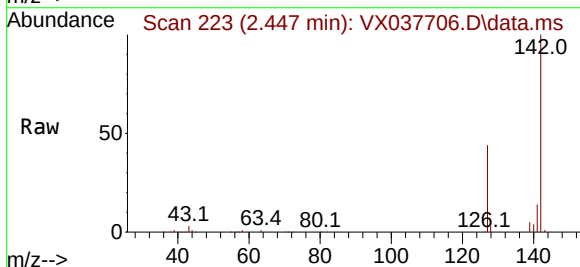
Manual Integrations
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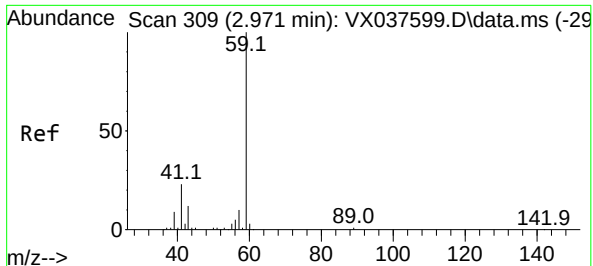
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#10
Methyl Iodide
Concen: 68.751 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX037706.D
Acq: 13 Sep 2023 19:46

Tgt Ion:142 Resp: 105170
Ion Ratio Lower Upper
142 100
127 44.8 41.6 62.4
141 14.5 11.6 17.4





#11

Tert butyl alcohol

Concen: 352.641 ug/l

RT: 2.983 min Scan# 311

Delta R.T. 0.012 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion: 59 Resp: 14495

Ion Ratio Lower Upper

59 100

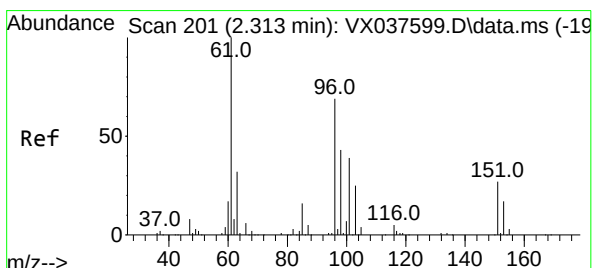
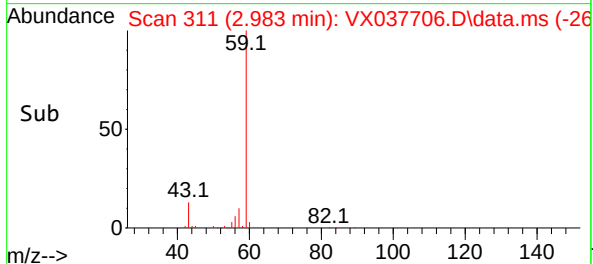
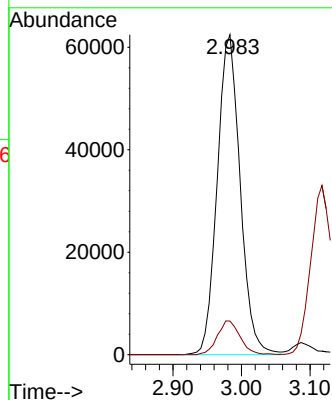
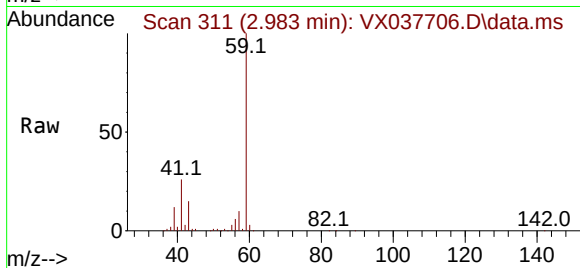
57 10.5 6.0 9.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#12

1,1-Dichloroethene

Concen: 50.144 ug/l

RT: 2.313 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

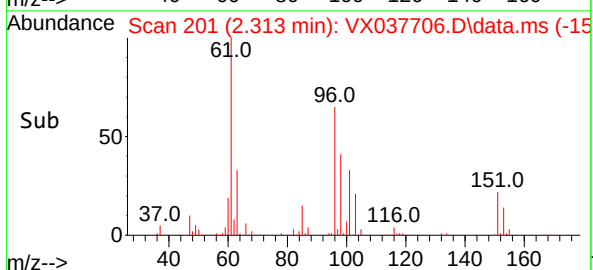
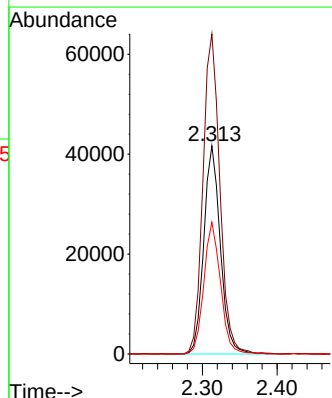
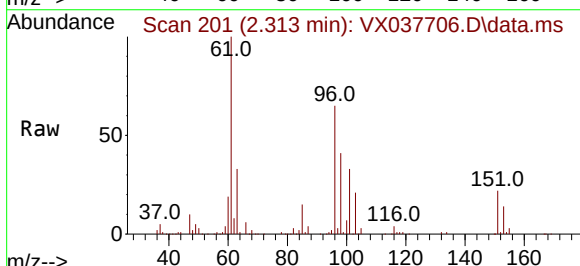
Tgt Ion: 96 Resp: 64128

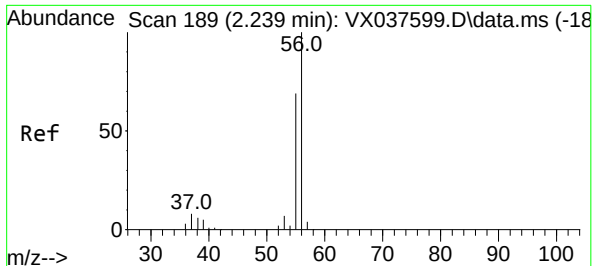
Ion Ratio Lower Upper

96 100

61 153.7 144.6 216.8

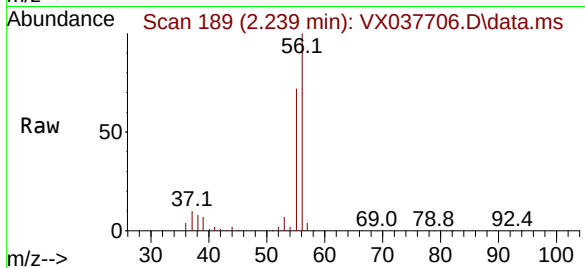
98 63.2 50.4 75.6





#13
Acrolein
Concen: 364.992 ug/l
RT: 2.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037706.D
Acq: 13 Sep 2023 19:46

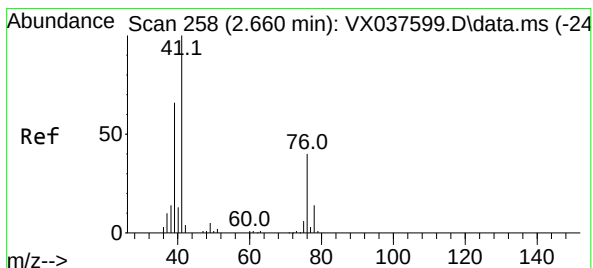
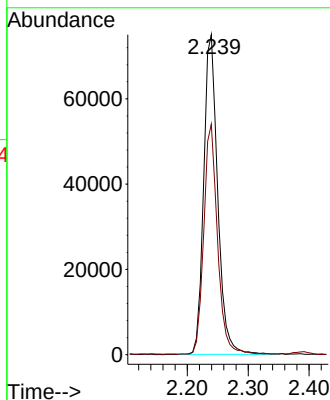
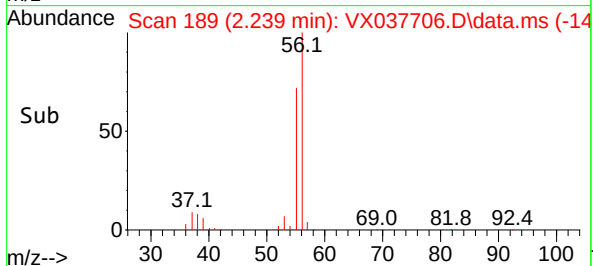
Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MSD



Tgt Ion: 56 Resp: 119934
Ion Ratio Lower Upper
56 100
55 70.5 57.1 85.7

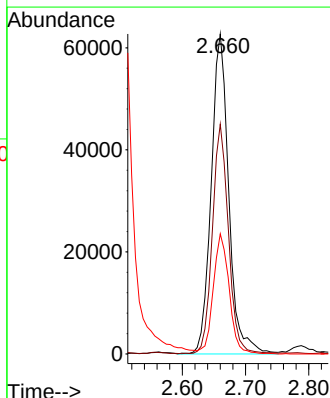
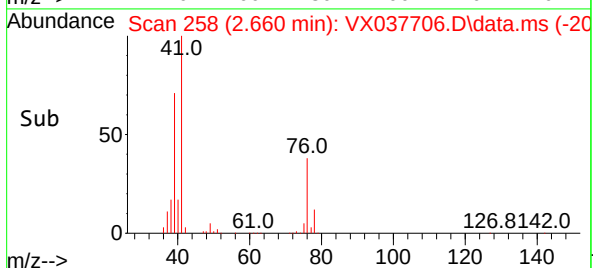
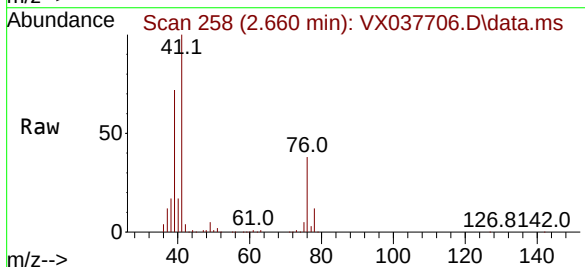
Manual Integrations
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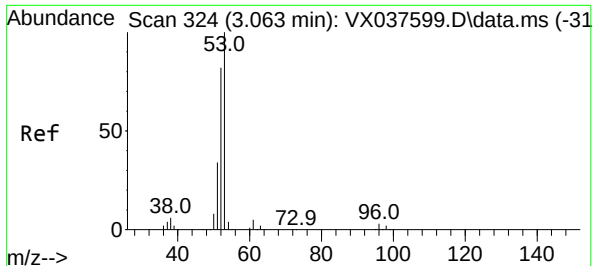
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#14
Allyl chloride
Concen: 53.998 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.000 min
Lab File: VX037706.D
Acq: 13 Sep 2023 19:46

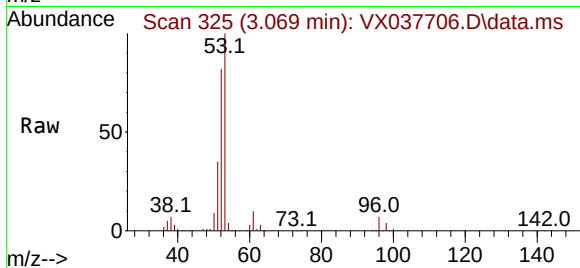
Tgt Ion: 41 Resp: 120975
Ion Ratio Lower Upper
41 100
39 65.3 55.8 83.6
76 34.0 24.3 36.5





#15
Acrylonitrile
Concen: 364.933 ug/l
RT: 3.069 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX037706.D
Acq: 13 Sep 2023 19:46

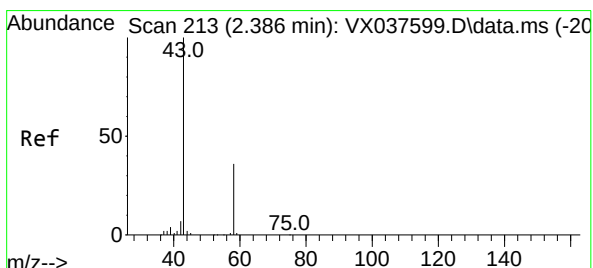
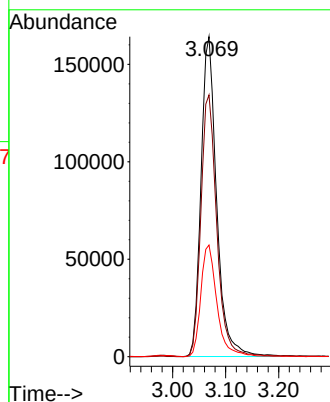
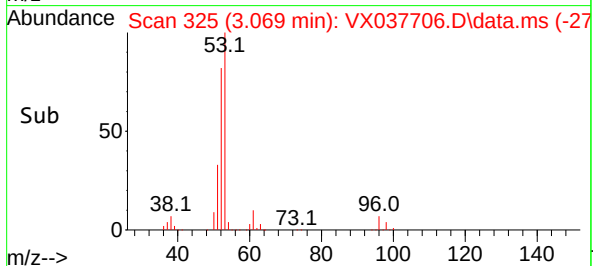
Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MSD



Tgt Ion: 53 Resp: 336580
Ion Ratio Lower Upper
53 100
52 83.1 66.0 99.0
51 36.3 29.8 44.6

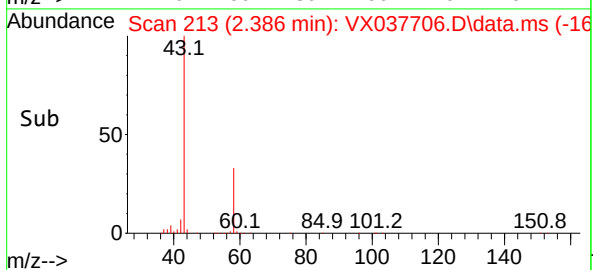
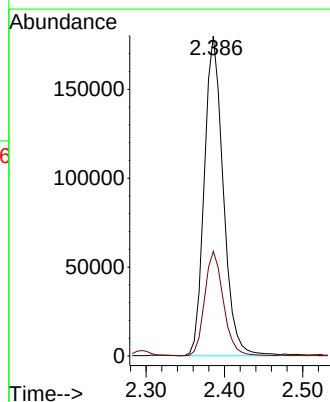
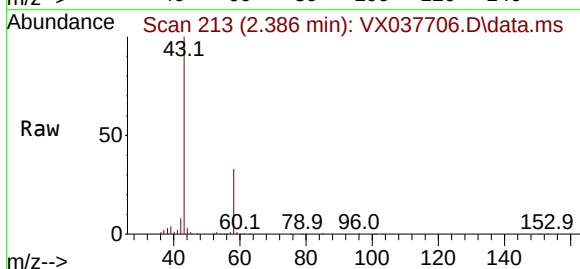
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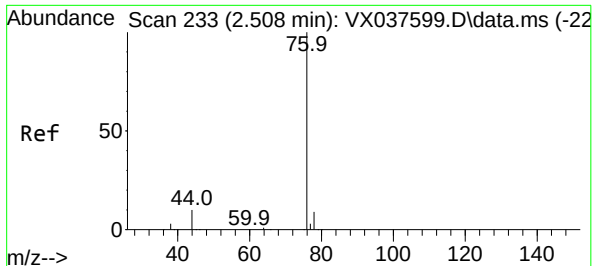
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#16
Acetone
Concen: 371.270 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX037706.D
Acq: 13 Sep 2023 19:46

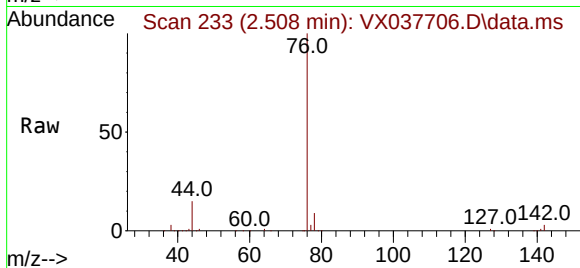
Tgt Ion: 43 Resp: 301871
Ion Ratio Lower Upper
43 100
58 32.6 21.9 32.9





#17
Carbon Disulfide
Concen: 44.827 ug/l
RT: 2.508 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037706.D
Acq: 13 Sep 2023 19:46

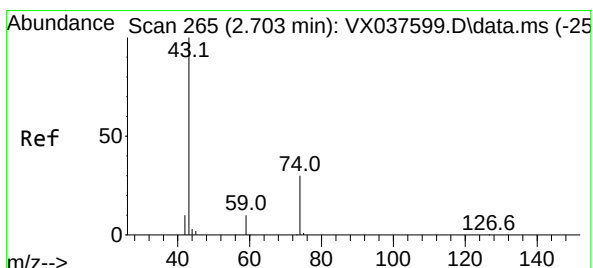
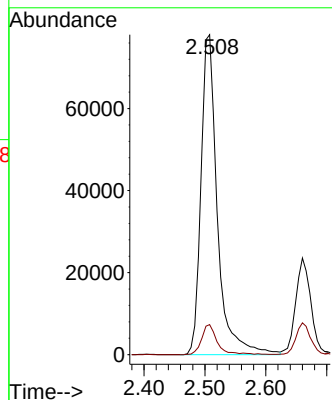
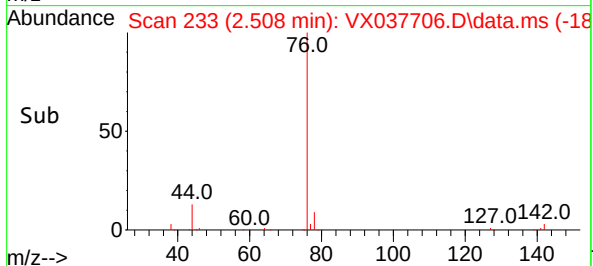
Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MSD



Tgt Ion: 76 Resp: 14573
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6

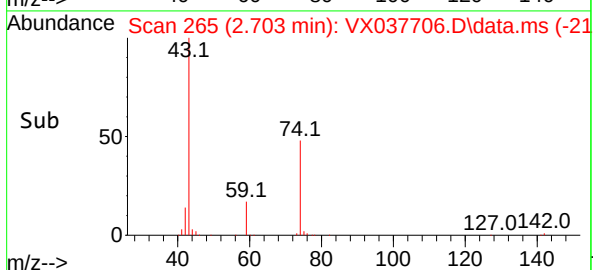
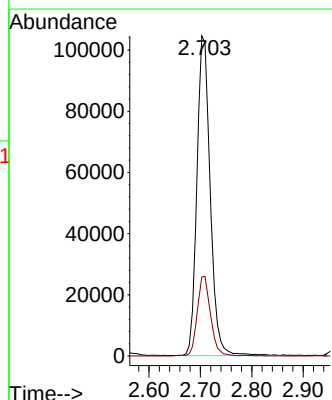
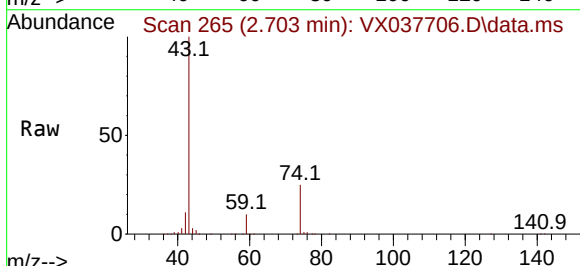
Manual Integrations
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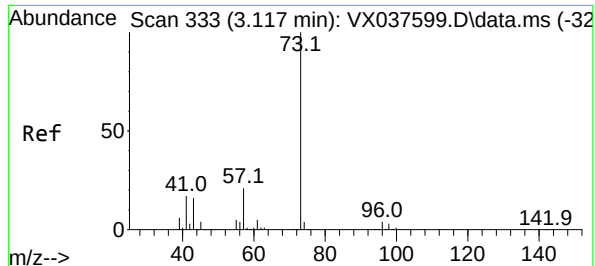
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#18
Methyl Acetate
Concen: 54.902 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX037706.D
Acq: 13 Sep 2023 19:46

Tgt Ion: 43 Resp: 188512
Ion Ratio Lower Upper
43 100
74 24.9 17.8 26.8





#19

Methyl tert-butyl Ether

Concen: 69.346 ug/l

RT: 3.117 min Scan# 311

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion: 73 Resp: 35011

Ion Ratio Lower Upper

73 100

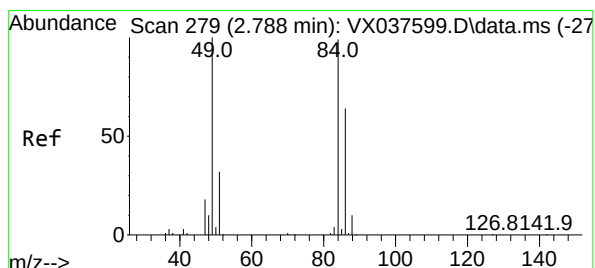
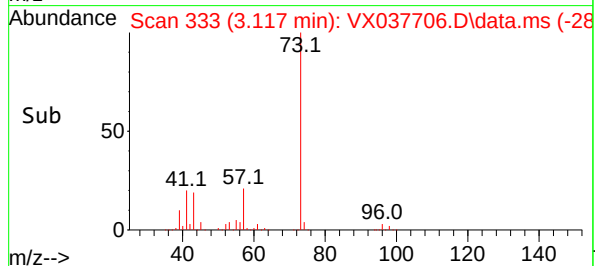
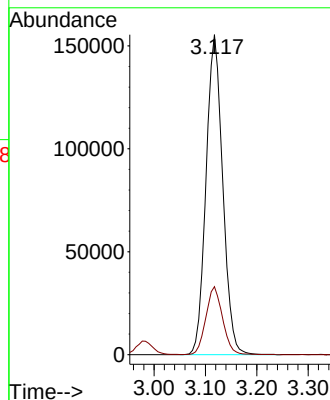
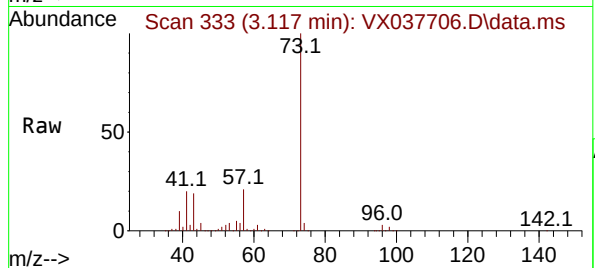
57 21.3 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#20

Methylene Chloride

Concen: 69.765 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Tgt Ion: 84 Resp: 108887

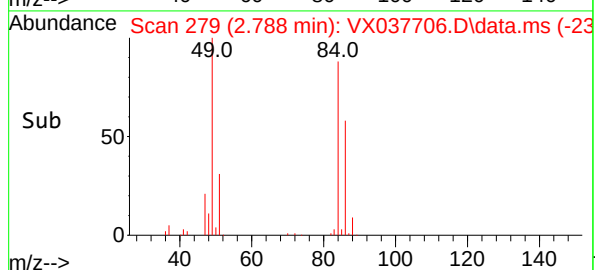
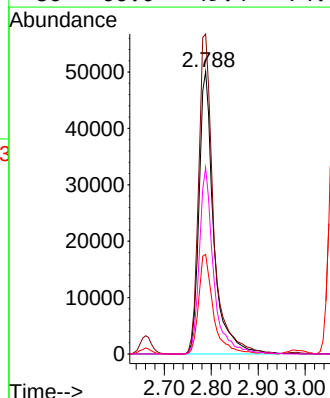
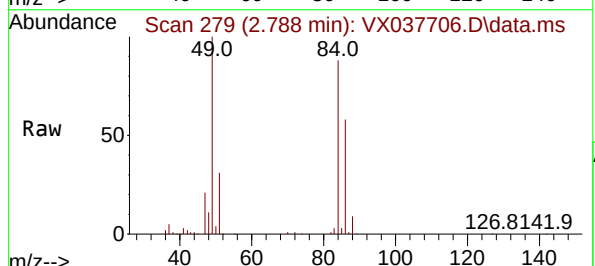
Ion Ratio Lower Upper

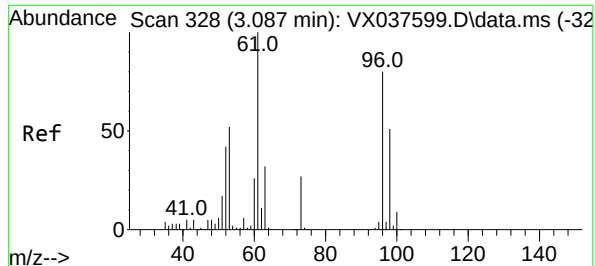
84 100

49 113.3 103.6 155.4

51 35.3 33.8 50.6

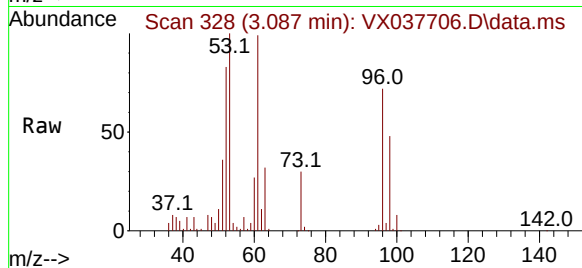
86 66.0 49.4 74.0





#21
trans-1,2-Dichloroethene
Concen: 55.451 ug/l
RT: 3.087 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX037706.D
Acq: 13 Sep 2023 19:46

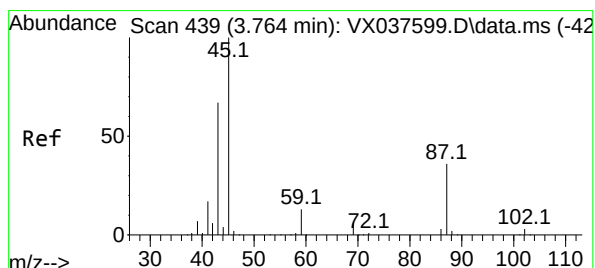
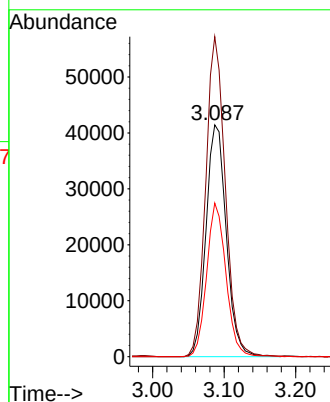
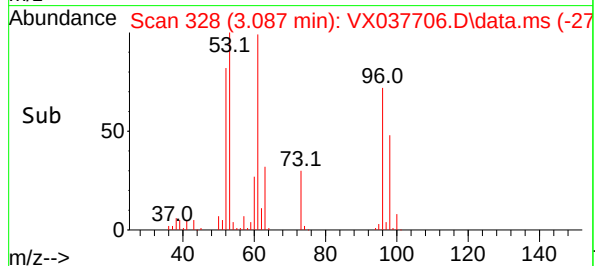
Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MSD



Tgt Ion: 96 Resp: 81589
Ion Ratio Lower Upper
96 100
61 138.1 119.2 178.8
98 66.3 48.7 73.1

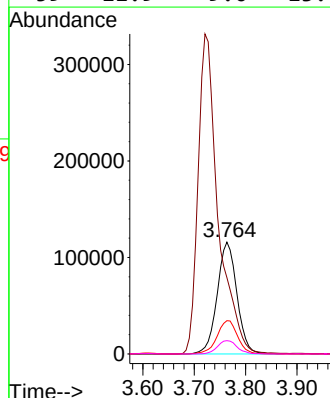
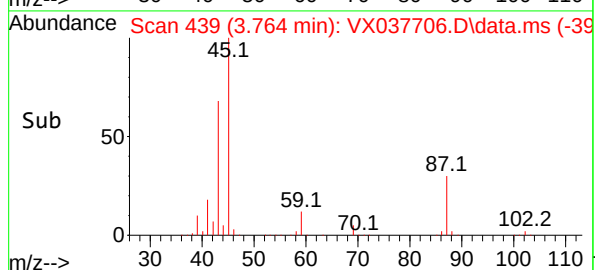
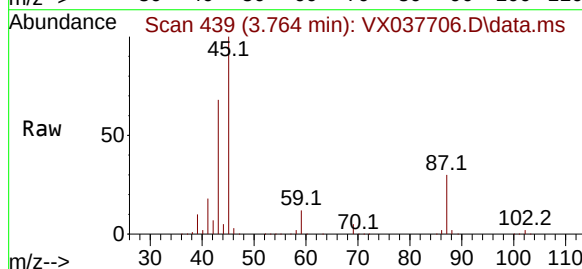
Manual Integrations
APPROVED

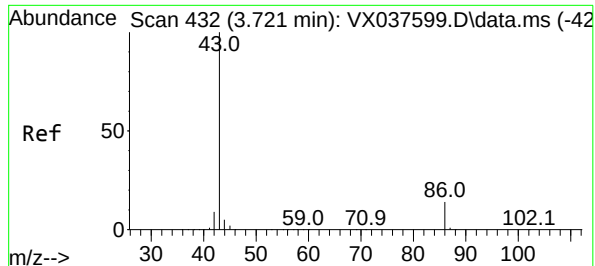
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#22
Diisopropyl ether
Concen: 63.296 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX037706.D
Acq: 13 Sep 2023 19:46

Tgt Ion: 45 Resp: 308930
Ion Ratio Lower Upper
45 100
43 68.2 69.7 104.5#
87 29.8 20.8 31.2
59 11.9 9.0 13.4





#23

Vinyl Acetate

Concen: 252.978 ug/l

RT: 3.721 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion: 43 Resp: 900609

Ion Ratio Lower Upper

43 100

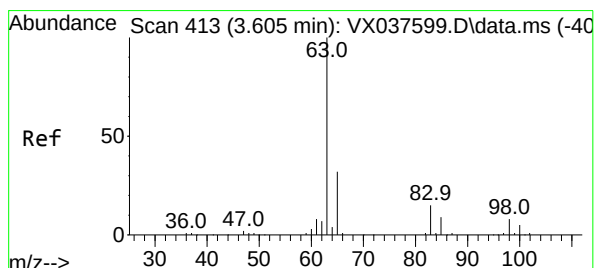
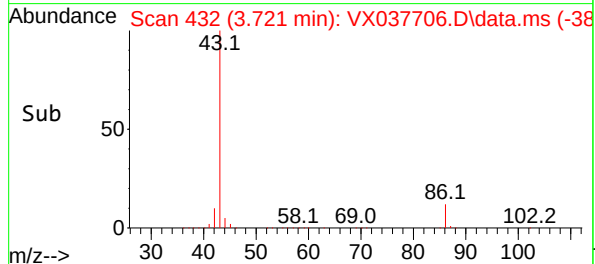
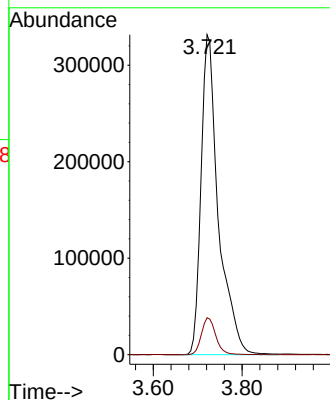
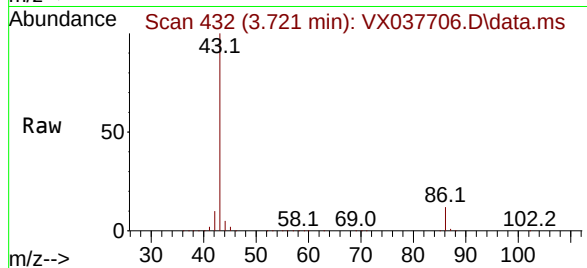
86 11.6 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#24

1,1-Dichloroethane

Concen: 59.145 ug/l

RT: 3.605 min Scan# 413

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

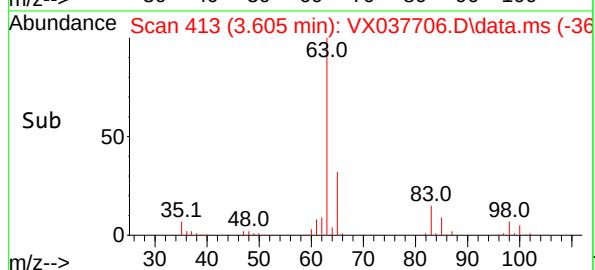
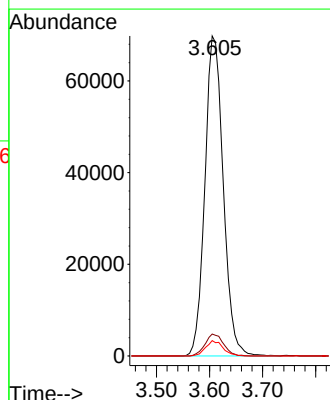
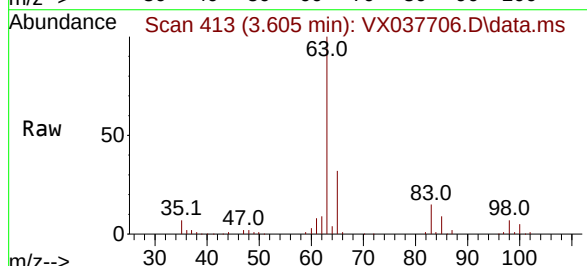
Tgt Ion: 63 Resp: 168218

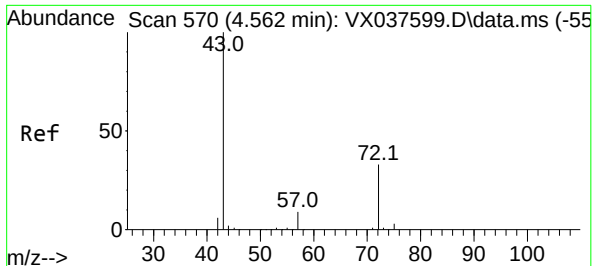
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

100 4.8 2.1 6.5





#25

2-Butanone

Concen: 356.739 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion: 43 Resp: 472948

Ion Ratio Lower Upper

43 100

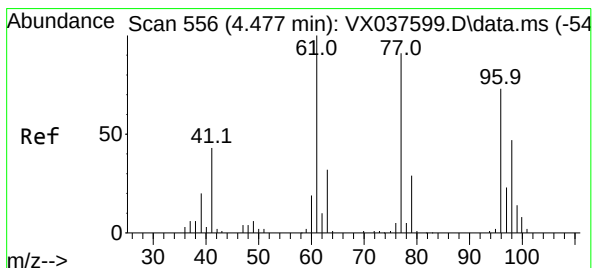
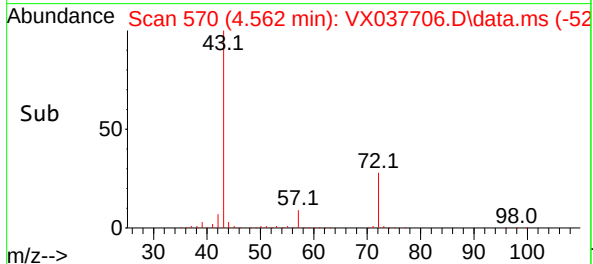
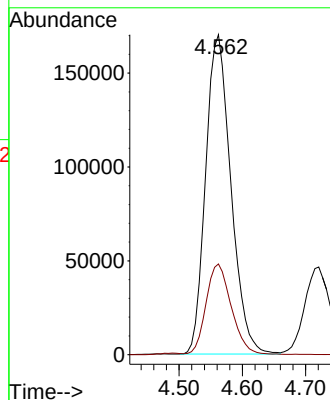
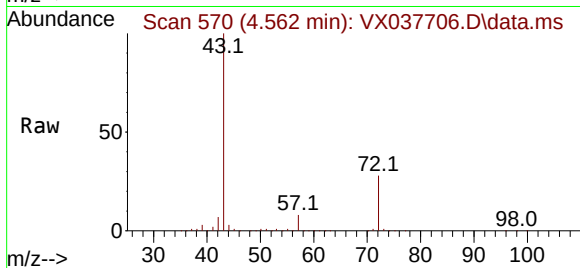
72 28.3 19.4 29.2

Manual Integrations

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Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#26

2,2-Dichloropropane

Concen: 19.813 ug/l

RT: 4.477 min Scan# 556

Delta R.T. -0.000 min

Lab File: VX037706.D

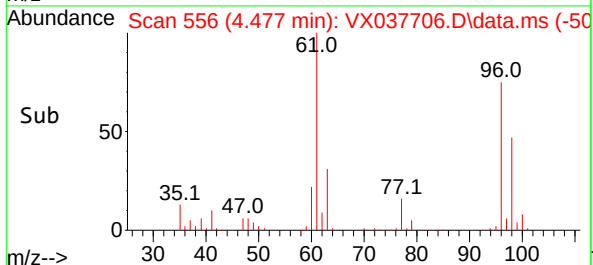
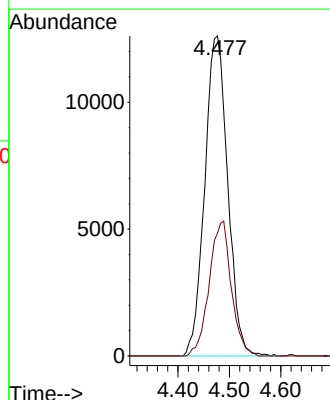
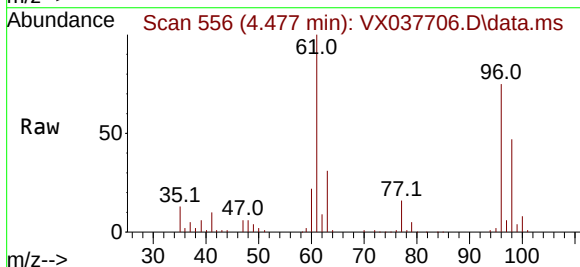
Acq: 13 Sep 2023 19:46

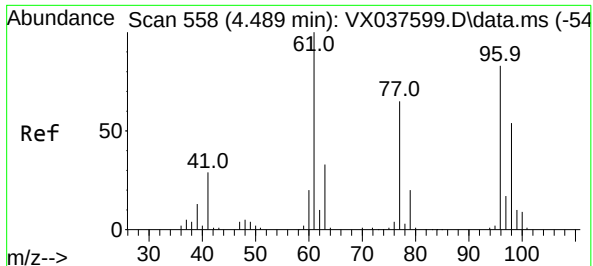
Tgt Ion: 77 Resp: 39199

Ion Ratio Lower Upper

77 100

97 40.4 10.8 32.3#





#27

cis-1,2-Dichloroethene

Concen: 108.441 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion: 96 Resp: 194569

Ion Ratio Lower Upper

96 100

61 126.7 0.0 312.2

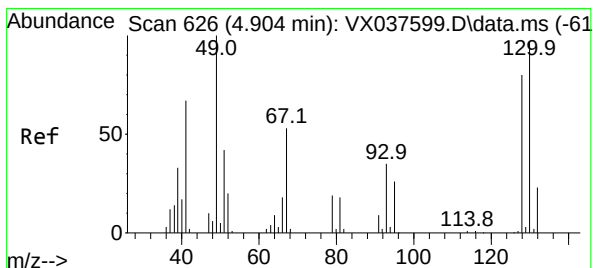
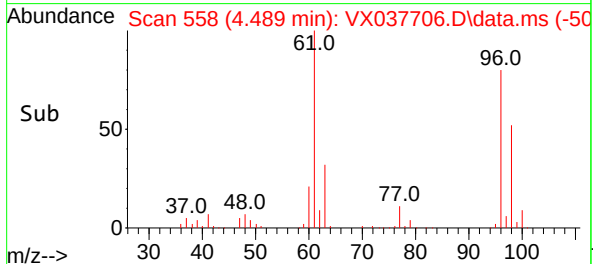
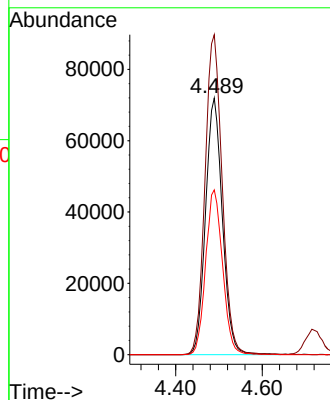
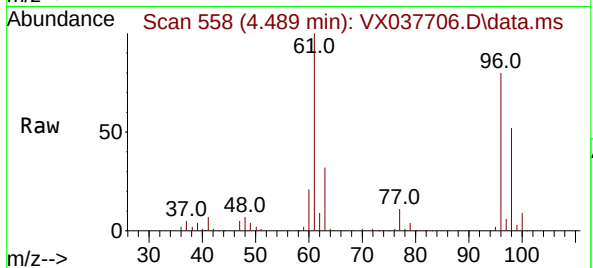
98 64.4 0.0 129.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#28

Bromochloromethane

Concen: 67.732 ug/l

RT: 4.898 min Scan# 625

Delta R.T. -0.006 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

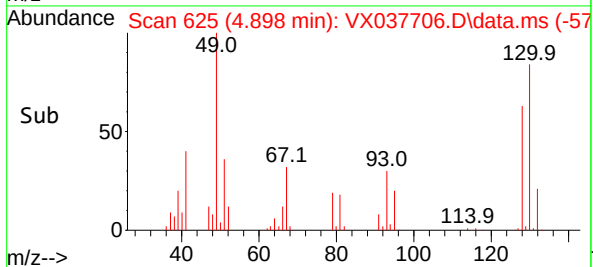
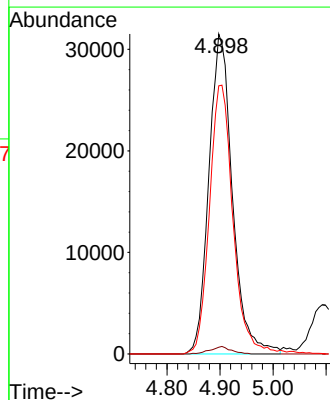
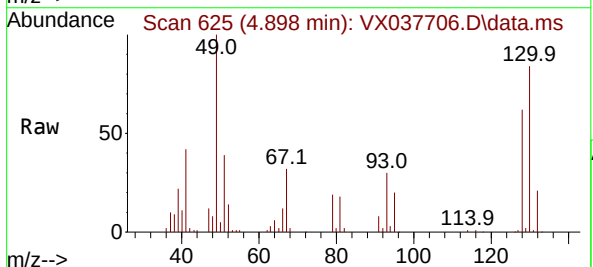
Tgt Ion: 49 Resp: 97326

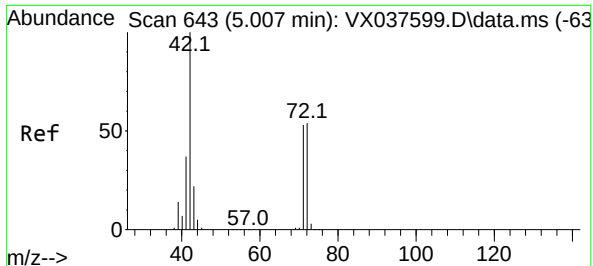
Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

130 84.3 57.5 86.3





#29

Tetrahydrofuran

Concen: 359.362 ug/l

RT: 5.007 min Scan# 643

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion: 42 Resp: 30339

Ion Ratio Lower Upper

42 100

72 49.2 34.2 51.4

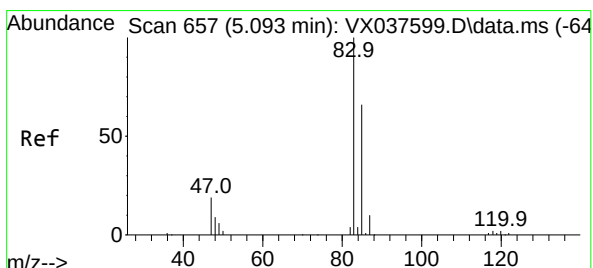
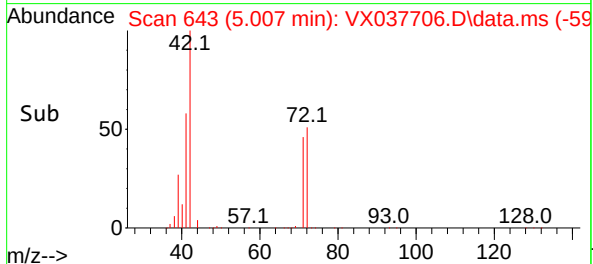
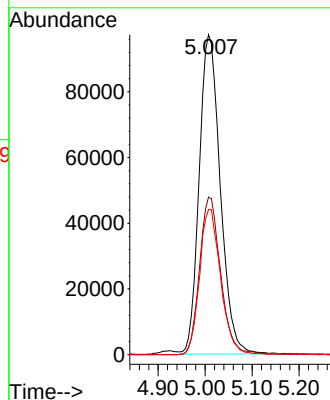
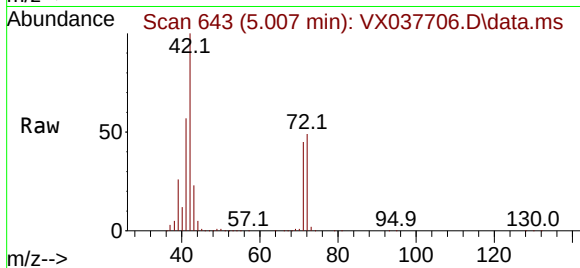
71 45.5 32.2 48.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#30

Chloroform

Concen: 61.561 ug/l

RT: 5.093 min Scan# 657

Delta R.T. -0.000 min

Lab File: VX037706.D

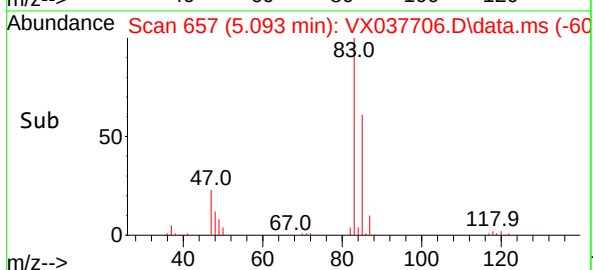
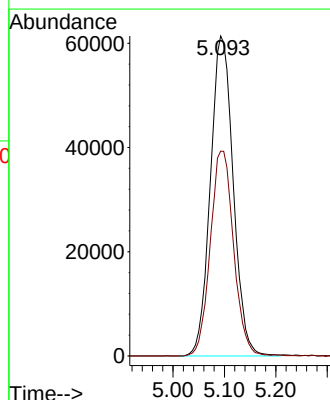
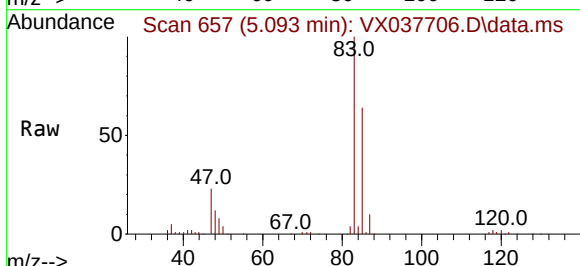
Acq: 13 Sep 2023 19:46

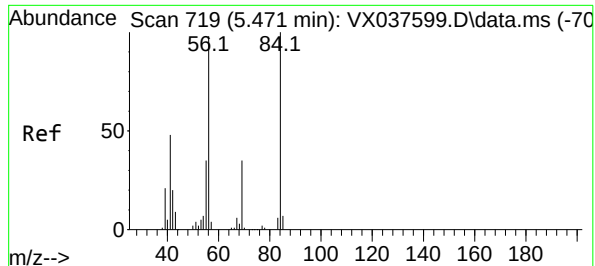
Tgt Ion: 83 Resp: 189092

Ion Ratio Lower Upper

83 100

85 64.0 50.3 75.5





#31

Cyclohexane

Concen: 41.758 ug/l

RT: 5.464 min Scan# 718

Delta R.T. -0.006 min

Lab File: VX037706.D

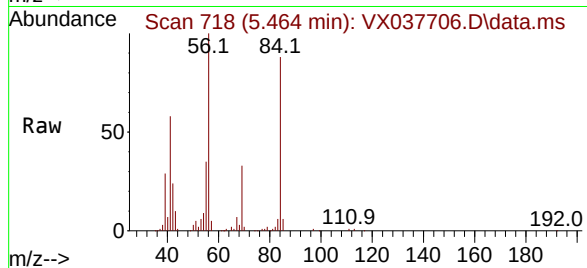
Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD



Tgt Ion: 56 Resp: 9670

Ion Ratio Lower Upper

56 100

69 32.6 23.4 35.2

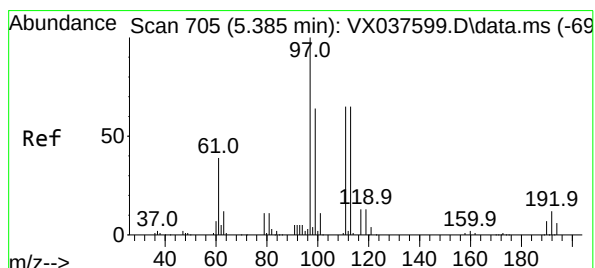
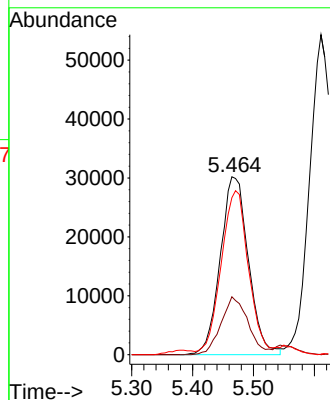
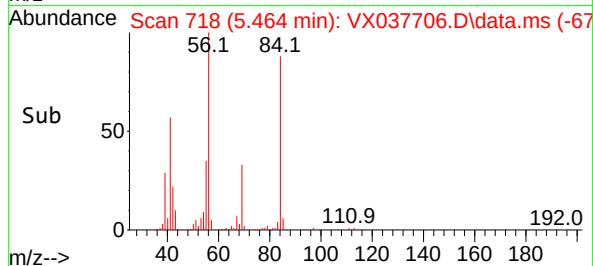
84 85.7 65.9 98.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#32

1,1,1-Trichloroethane

Concen: 53.063 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

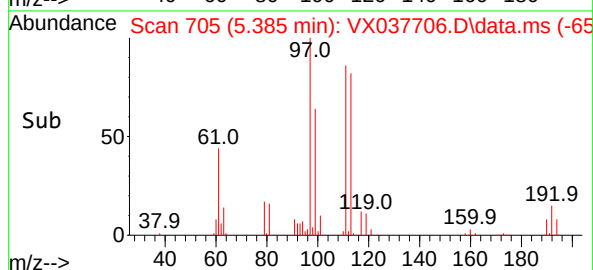
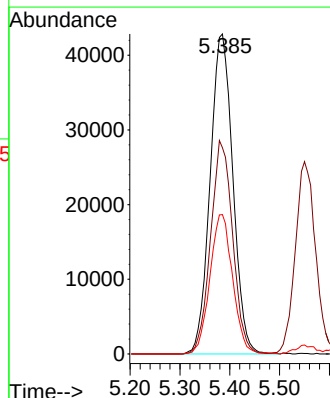
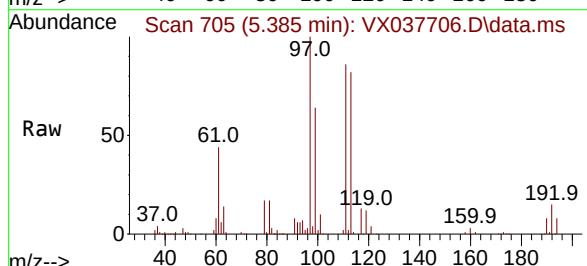
Tgt Ion: 97 Resp: 135654

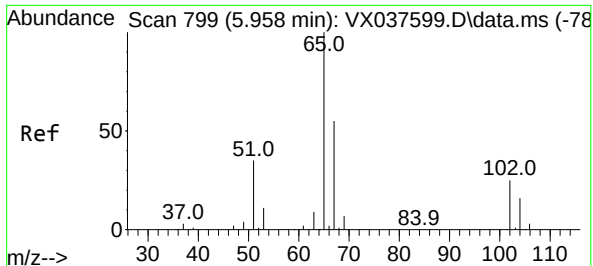
Ion Ratio Lower Upper

97 100

99 64.8 51.1 76.7

61 43.5 36.4 54.6





#33

1,2-Dichloroethane-d4

Concen: 67.083 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion: 65 Resp: 134914

Ion Ratio Lower Upper

65 100

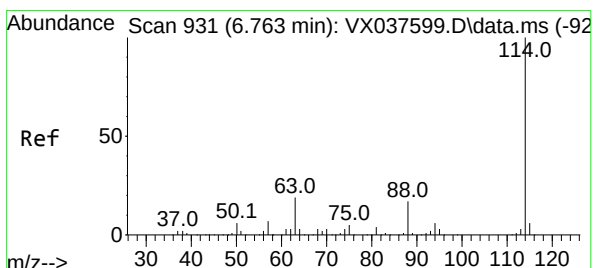
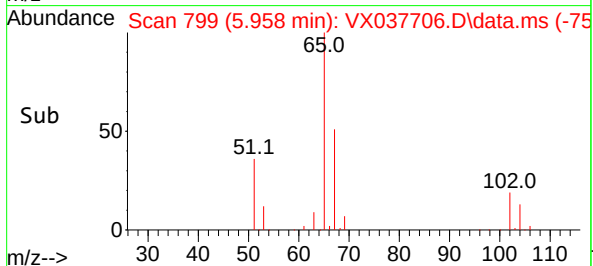
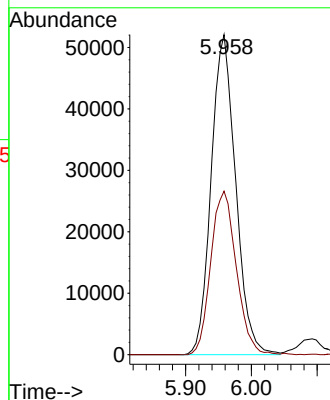
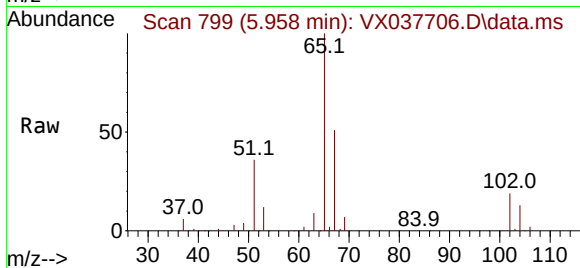
67 53.3 0.0 100.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

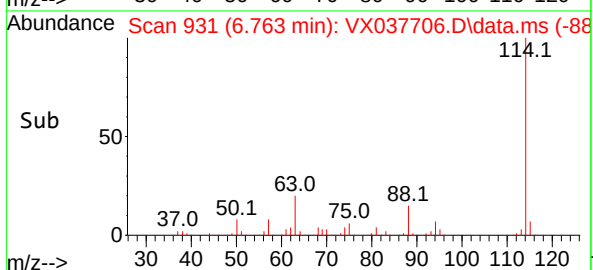
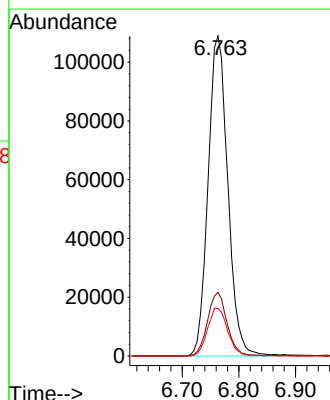
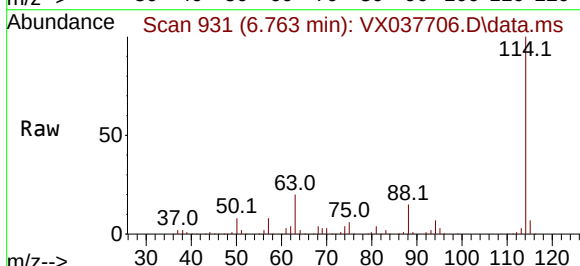
Tgt Ion:114 Resp: 263198

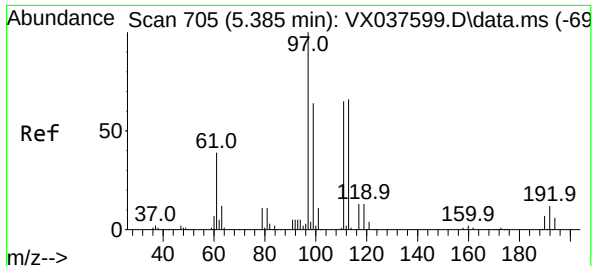
Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.0

88 14.8 0.0 36.6





#35

Dibromofluoromethane

Concen: 57.009 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion:113 Resp: 106354

Ion Ratio Lower Upper

113 100

111 102.7 82.9 124.3

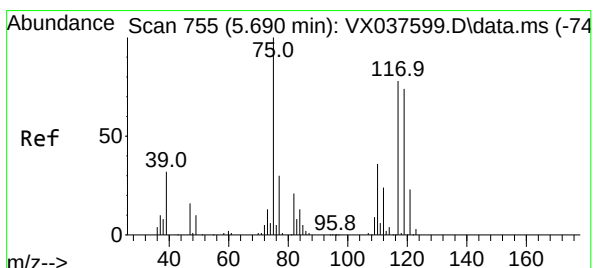
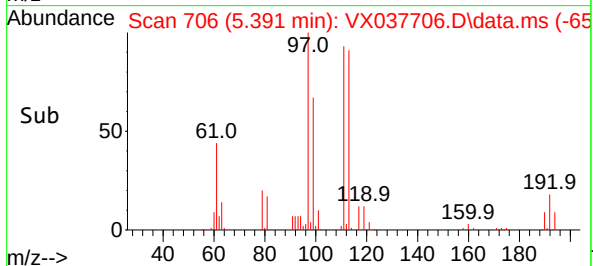
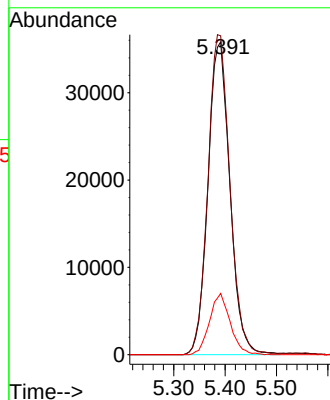
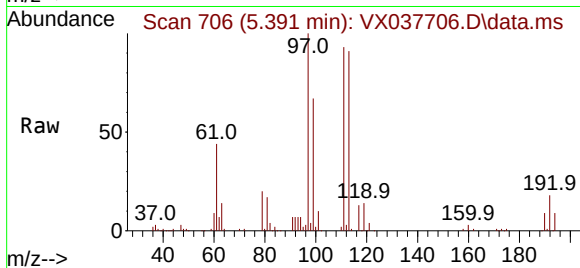
192 18.5 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#36

1,1-Dichloropropene

Concen: 39.777 ug/l

RT: 5.690 min Scan# 755

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

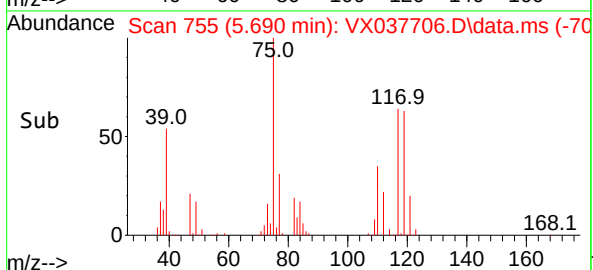
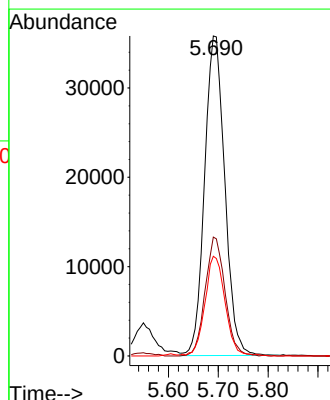
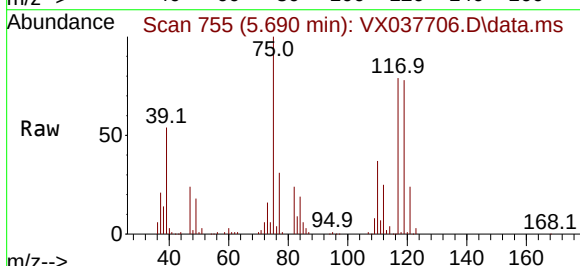
Tgt Ion: 75 Resp: 100949

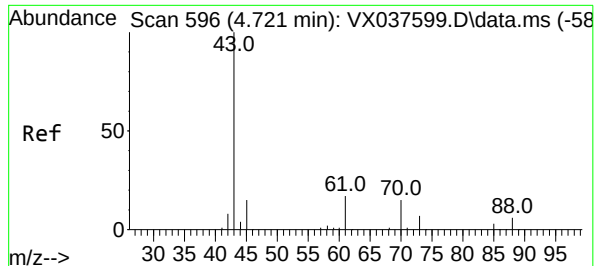
Ion Ratio Lower Upper

75 100

110 36.5 17.0 50.9

77 30.2 24.7 37.1





#37

Ethyl Acetate

Concen: 46.925 ug/l

RT: 4.721 min Scan# 596

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

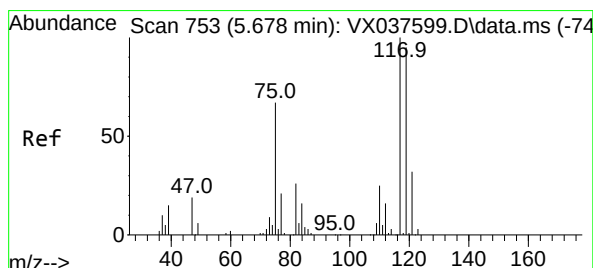
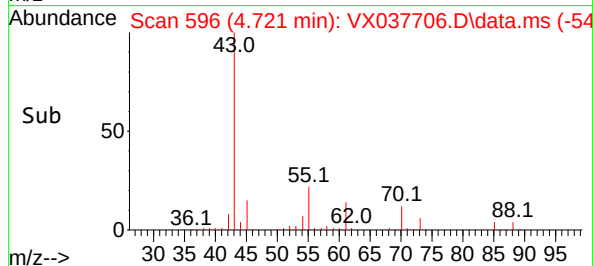
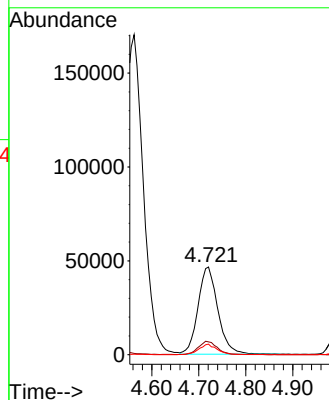
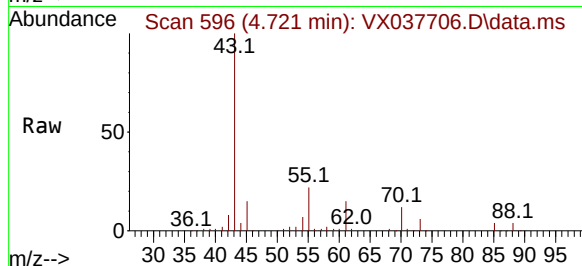
1042-MW-02(23.8)MSD

Tgt Ion:	43	Resp:	136264
Ion Ratio	Lower	Upper	
43	100		
61	14.3	10.6	16.0
70	11.1	8.3	12.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#38

Carbon Tetrachloride

Concen: 41.205 ug/l

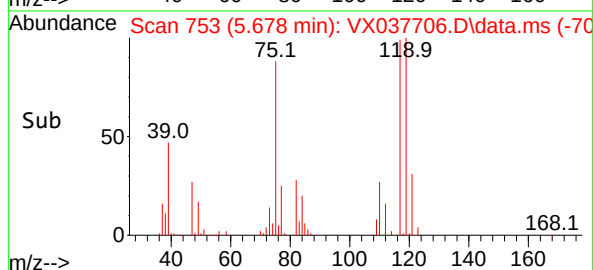
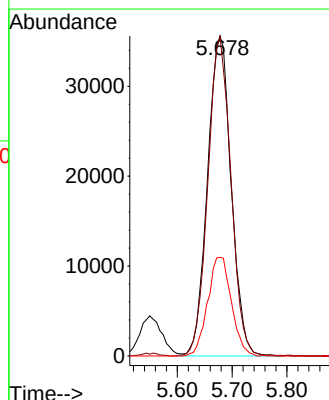
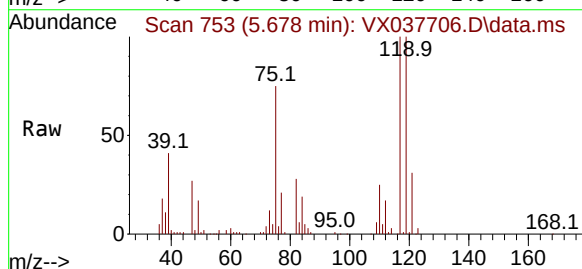
RT: 5.678 min Scan# 753

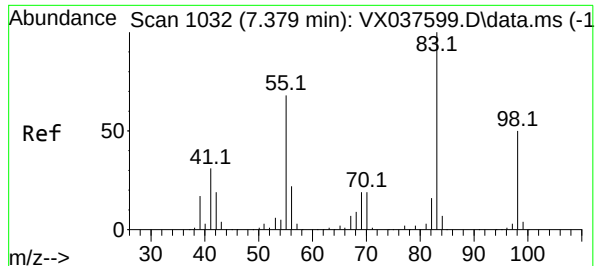
Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Tgt Ion:	117	Resp:	106832
Ion Ratio	Lower	Upper	
117	100		
119	99.6	78.2	117.2
121	30.8	24.4	36.6





#39

Methylcyclohexane

Concen: 30.752 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

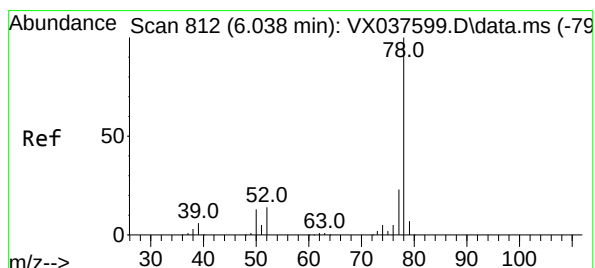
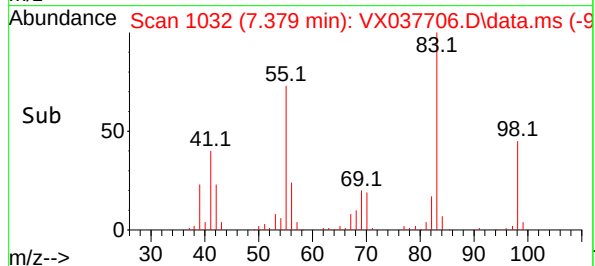
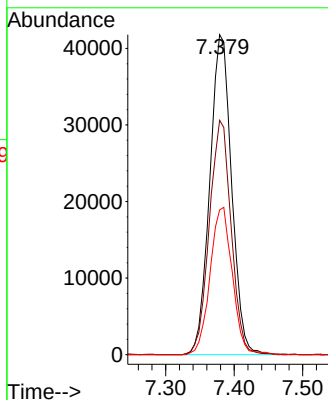
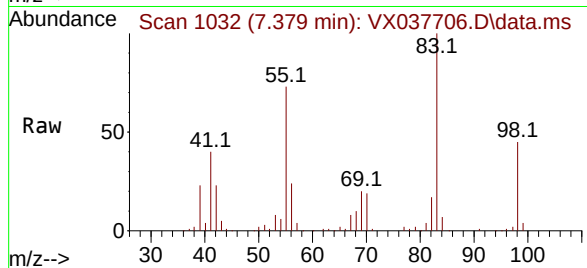
Tgt Ion: 83	Resp: 92350
Ion Ratio	Lower Upper
83 100	
55 73.3	64.6 97.0
98 45.3	36.7 55.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#40

Benzene

Concen: 50.830 ug/l

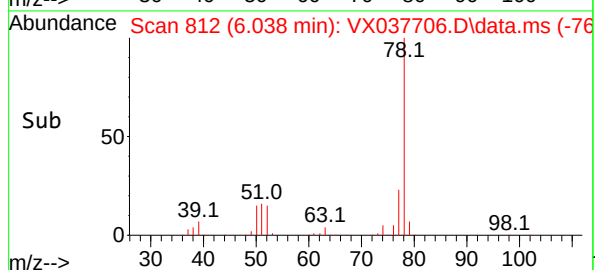
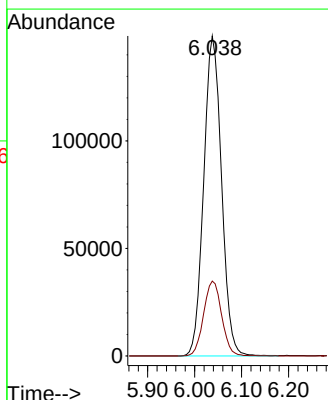
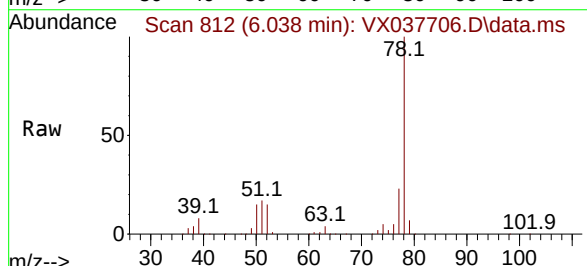
RT: 6.038 min Scan# 812

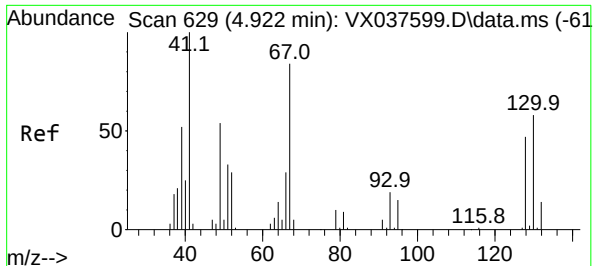
Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Tgt Ion: 78	Resp: 391072
Ion Ratio	Lower Upper
78 100	
77 23.4	19.3 28.9





#41

Methacrylonitrile

Concen: 60.698 ug/l

RT: 4.922 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion: 41 Resp: 9284

Ion Ratio Lower Upper

41 100

39 56.0 45.2 67.8

67 82.5 52.6 78.8

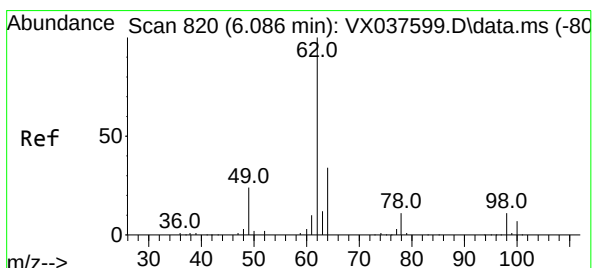
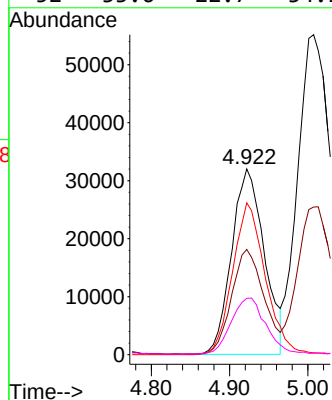
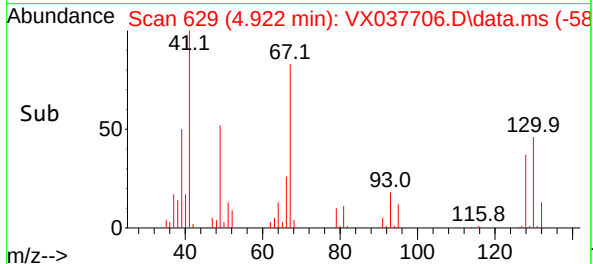
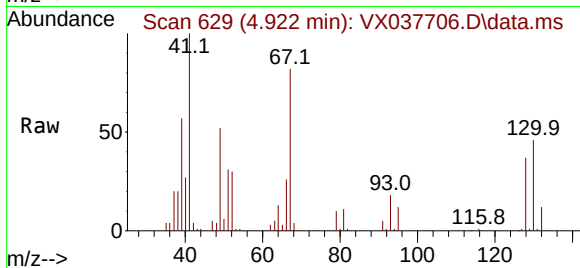
52 33.6 22.7 34.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#42

1,2-Dichloroethane

Concen: 54.742 ug/l

RT: 6.086 min Scan# 820

Delta R.T. -0.000 min

Lab File: VX037706.D

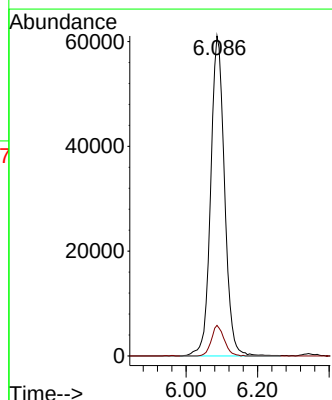
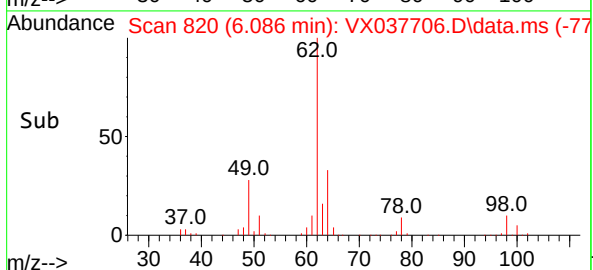
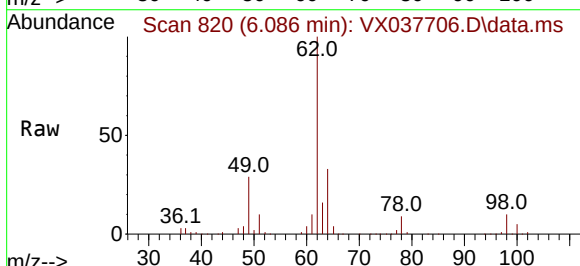
Acq: 13 Sep 2023 19:46

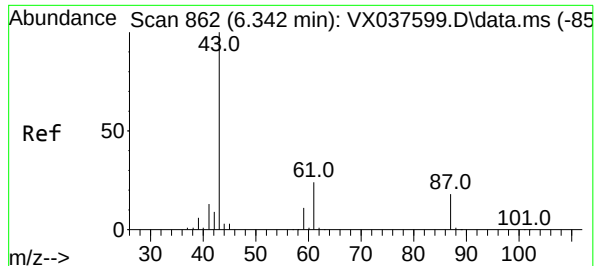
Tgt Ion: 62 Resp: 164614

Ion Ratio Lower Upper

62 100

98 8.9 0.0 16.0





#43

Isopropyl Acetate

Concen: 51.363 ug/l

RT: 6.342 min Scan# 80

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

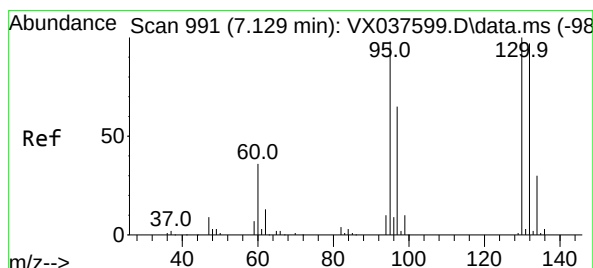
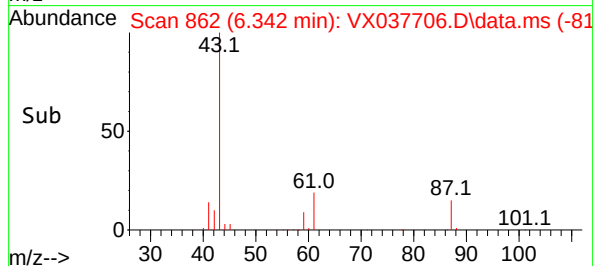
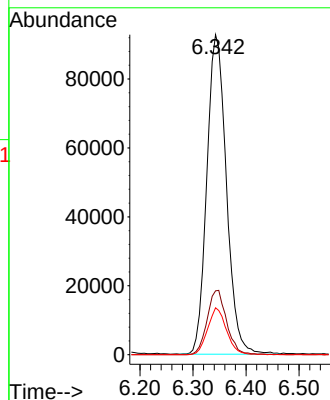
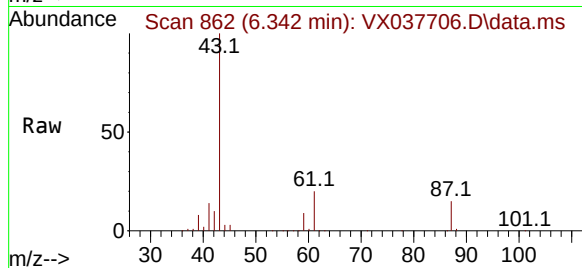
1042-MW-02(23.8)MSD

Tgt Ion:	43	Resp:	237950
Ion Ratio	Lower	Upper	
43	100		
61	20.1	15.2	22.8
87	14.1	9.8	14.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#44

Trichloroethene

Concen: 72.764 ug/l

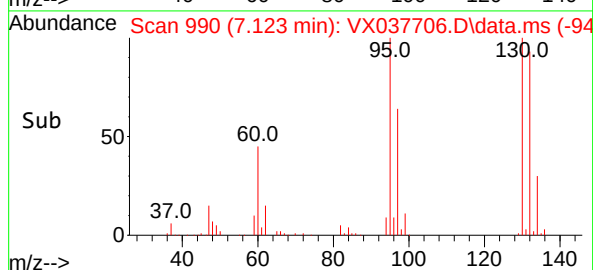
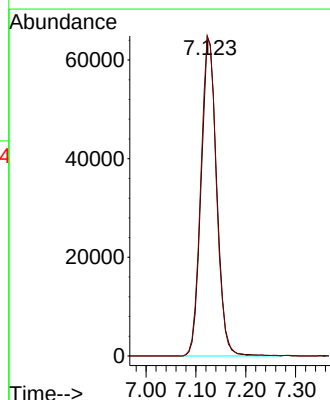
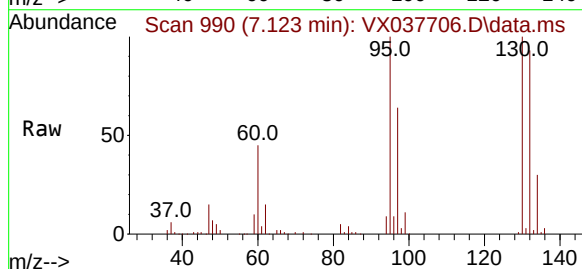
RT: 7.123 min Scan# 990

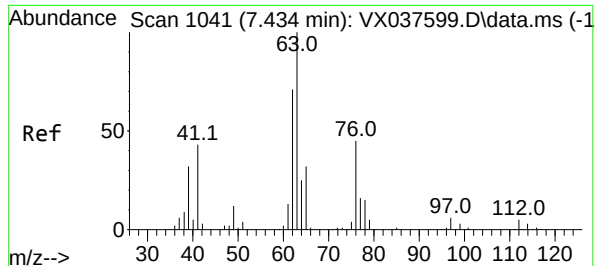
Delta R.T. -0.006 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Tgt Ion:	130	Resp:	139870
Ion Ratio	Lower	Upper	
130	100		
95	100.1	0.0	204.4





#45

1,2-Dichloropropane

Concen: 54.251 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion: 63 Resp: 11015

Ion Ratio Lower Upper

63 100

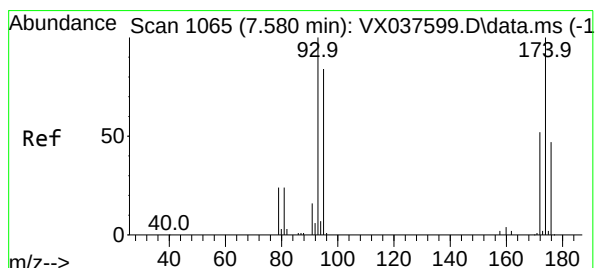
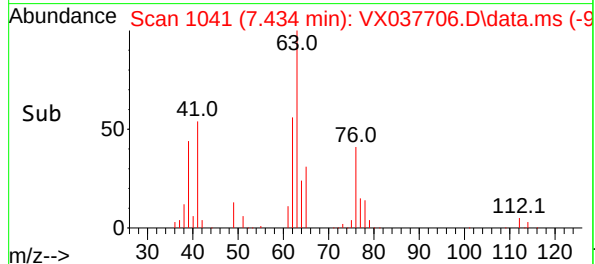
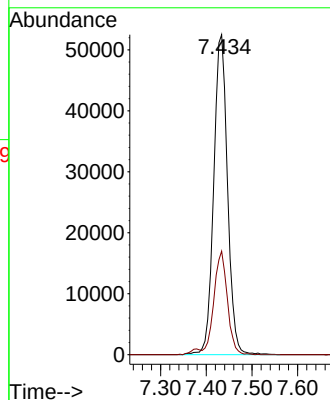
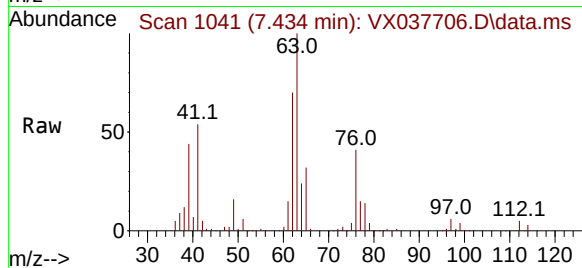
65 32.4 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#46

Dibromomethane

Concen: 58.299 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

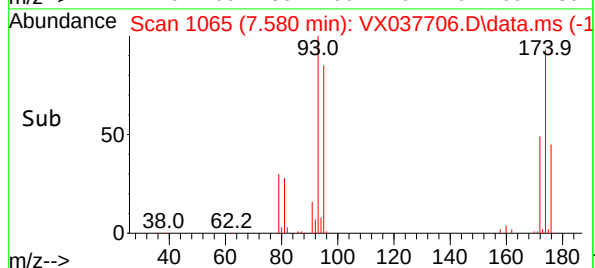
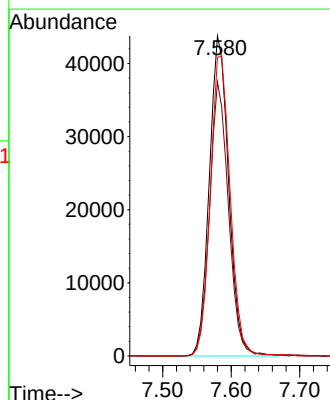
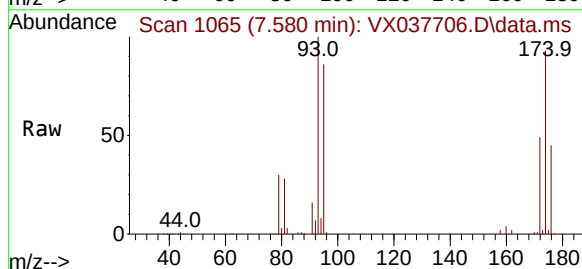
Tgt Ion: 93 Resp: 86117

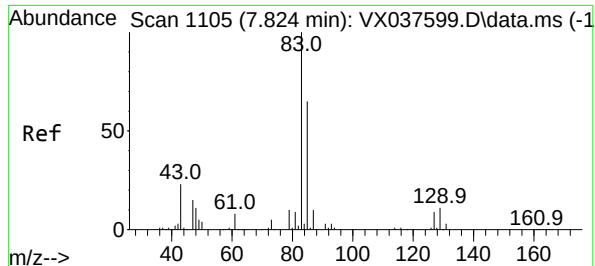
Ion Ratio Lower Upper

93 100

95 83.4 66.6 100.0

174 95.9 69.4 104.0





#47

Bromodichloromethane

Concen: 57.088 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion: 83 Resp: 15223

Ion Ratio Lower Upper

83 100

85 63.1 49.8 74.6

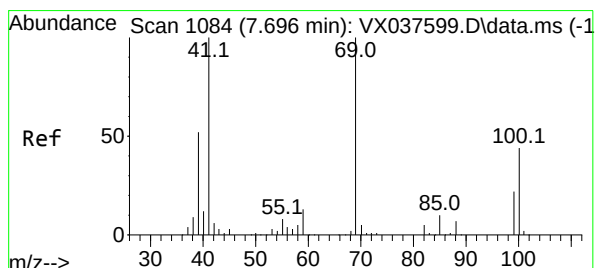
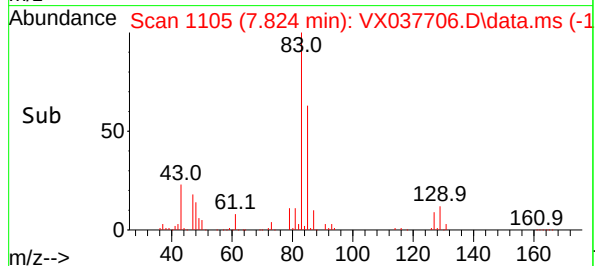
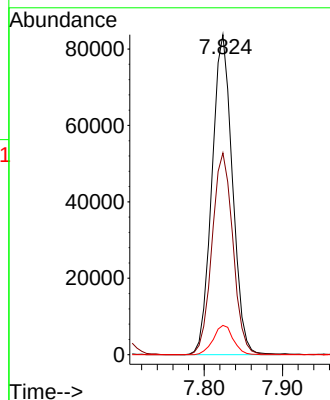
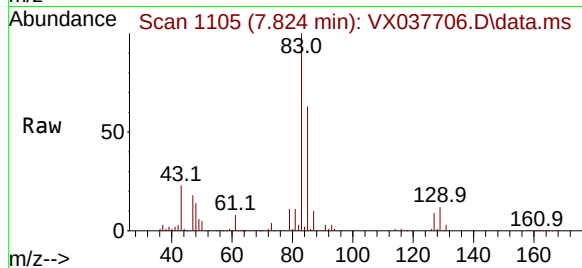
127 9.2 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#48

Methyl methacrylate

Concen: 60.059 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

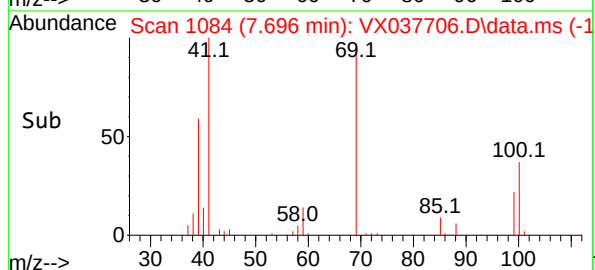
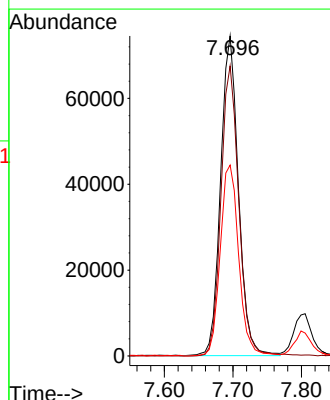
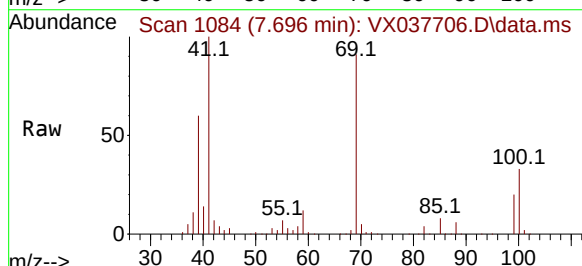
Tgt Ion: 41 Resp: 134500

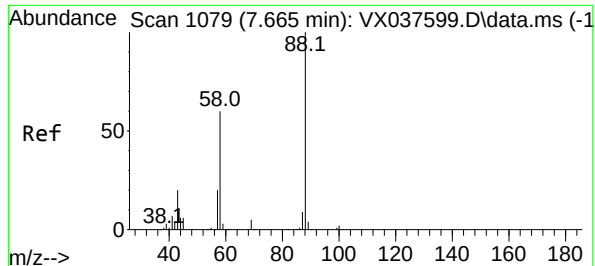
Ion Ratio Lower Upper

41 100

69 91.0 59.2 88.8

39 62.0 47.7 71.5





#49

1,4-Dioxane

Concen: 1208.276 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion: 88 Resp: 67040

Ion Ratio Lower Upper

88 100

43 30.0 0.0 0.0

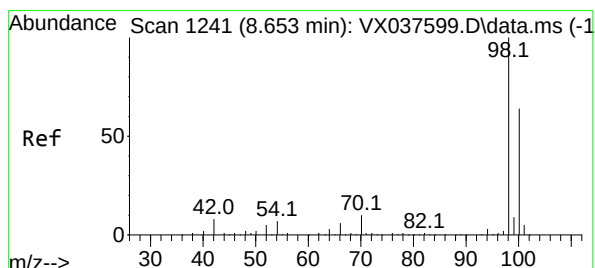
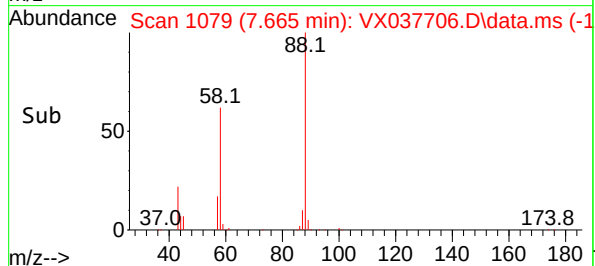
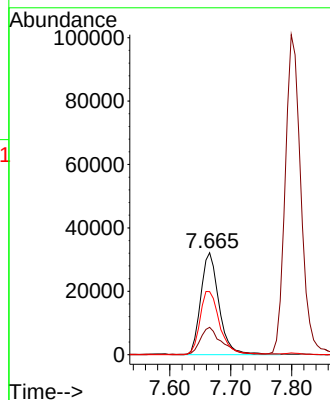
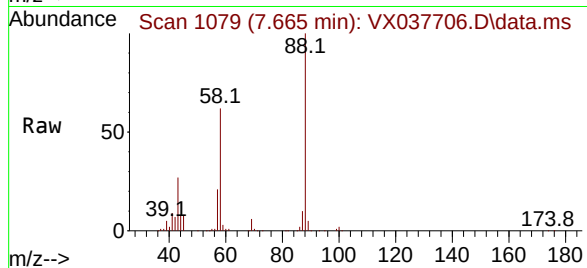
58 66.9 60.1 90.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#50

Toluene-d8

Concen: 51.444 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX037706.D

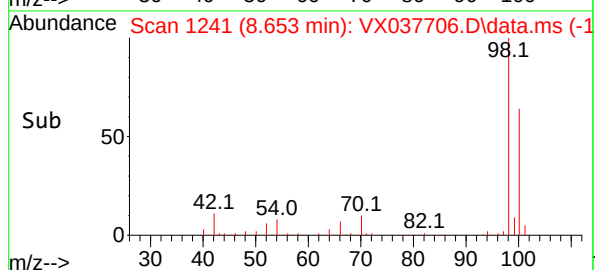
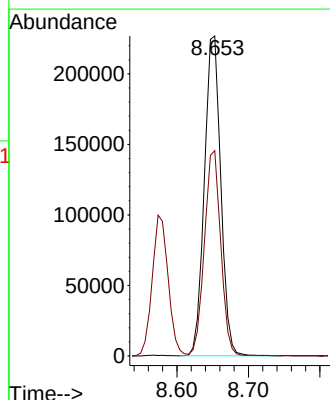
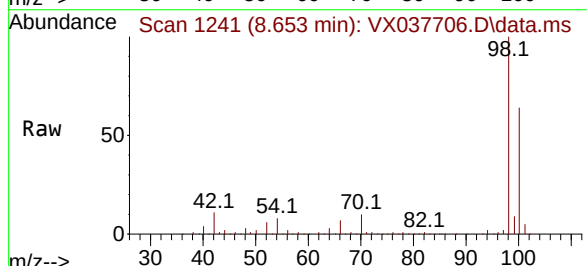
Acq: 13 Sep 2023 19:46

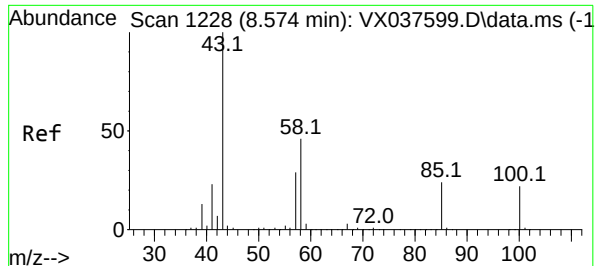
Tgt Ion: 98 Resp: 361951

Ion Ratio Lower Upper

98 100

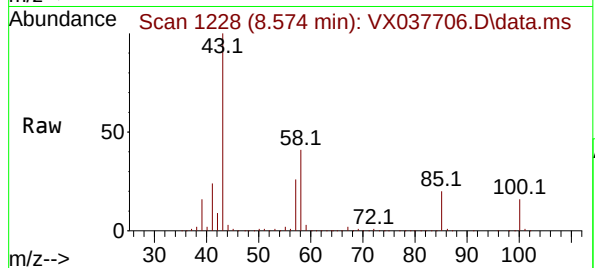
100 64.0 53.1 79.7





#51
4-Methyl-2-Pentanone
Concen: 314.877 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX037706.D
Acq: 13 Sep 2023 19:46

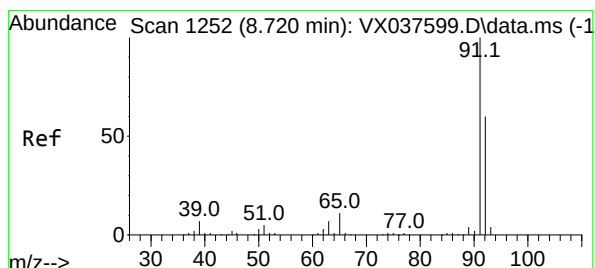
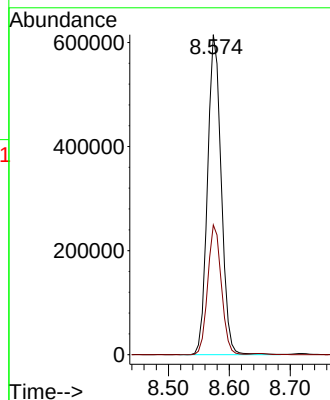
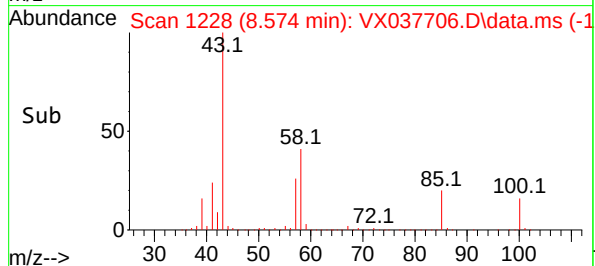
Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MSD



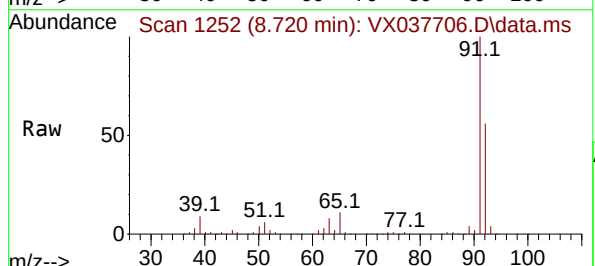
Tgt Ion: 43 Resp: 95786
Ion Ratio Lower Upper
43 100
58 40.4 30.4 45.6

Manual Integrations
APPROVED

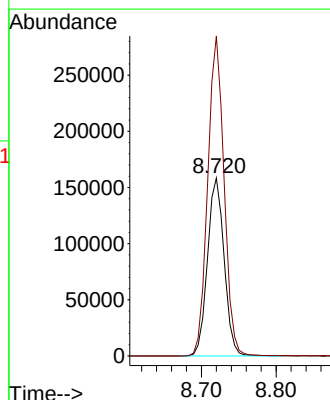
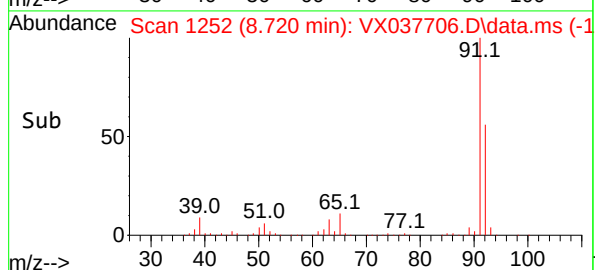
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023

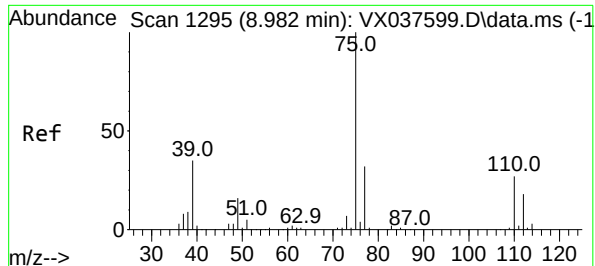


#52
Toluene
Concen: 49.521 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX037706.D
Acq: 13 Sep 2023 19:46



Tgt Ion: 92 Resp: 244969
Ion Ratio Lower Upper
92 100
91 176.9 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 51.024 ug/l

RT: 8.982 min Scan# 1295

Delta R.T. 0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion: 75 Resp: 137940

Ion Ratio Lower Upper

75 100

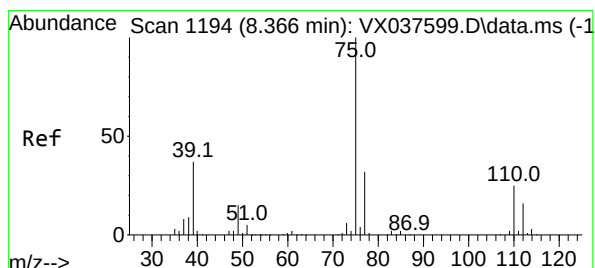
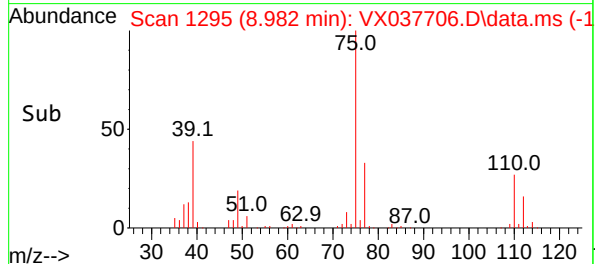
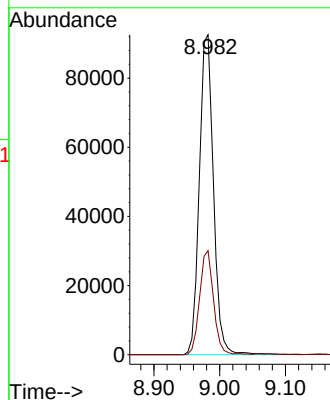
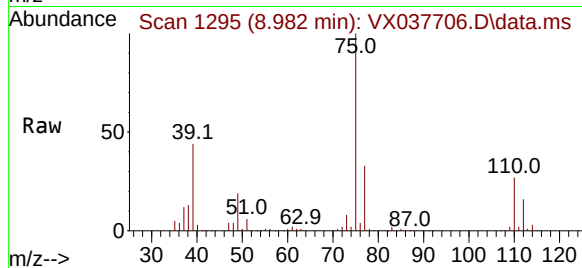
77 32.5 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#54

cis-1,3-Dichloropropene

Concen: 49.395 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

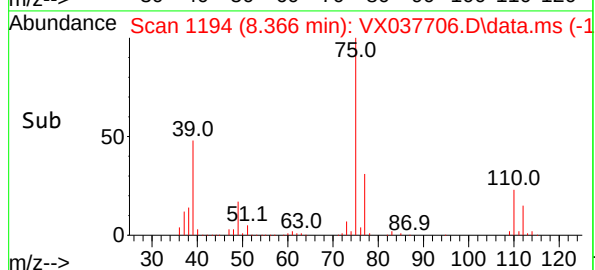
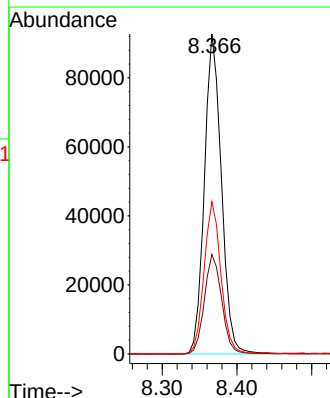
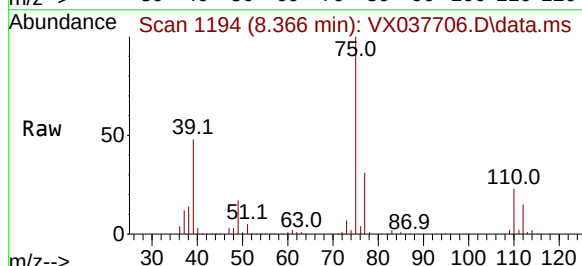
Tgt Ion: 75 Resp: 146534

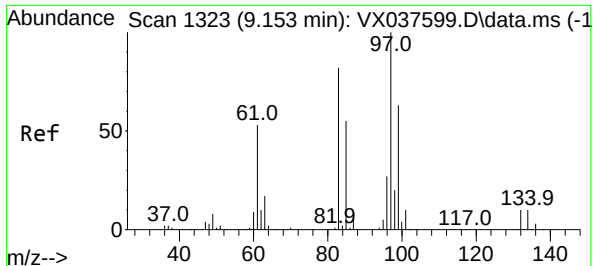
Ion Ratio Lower Upper

75 100

77 31.1 25.3 37.9

39 47.5 46.7 70.1





#55

1,1,2-Trichloroethane

Concen: 60.721 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion: 97 Resp: 12648

Ion Ratio Lower Upper

97 100

83 85.1 65.8 98.8

85 55.1 41.6 62.4

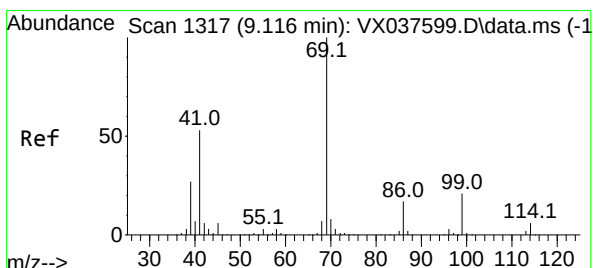
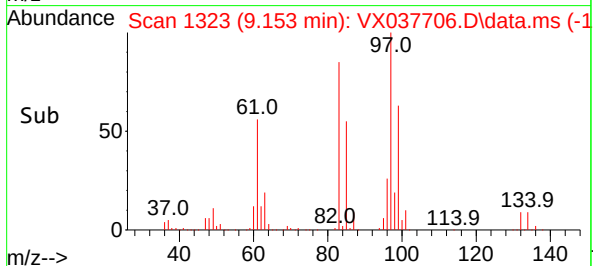
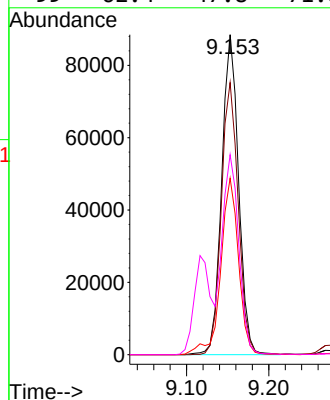
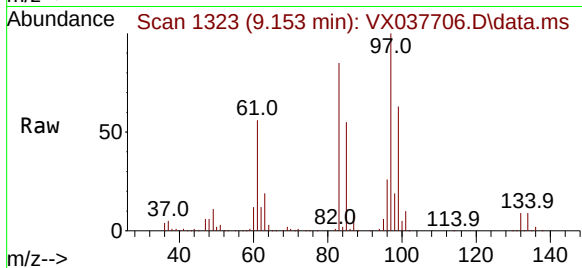
99 62.4 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#56

Ethyl methacrylate

Concen: 61.936 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

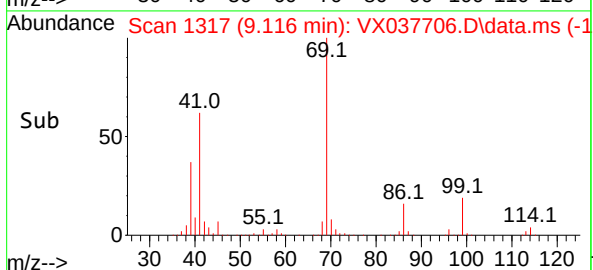
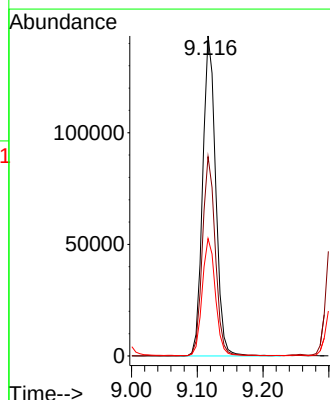
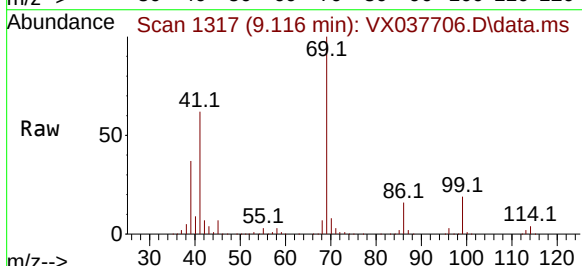
Tgt Ion: 69 Resp: 197392

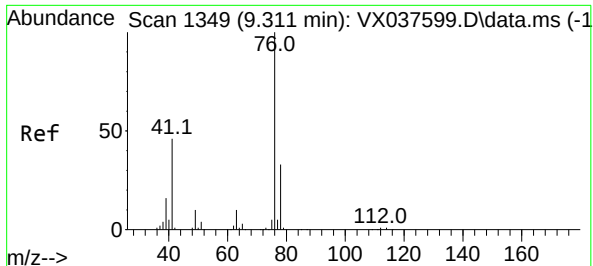
Ion Ratio Lower Upper

69 100

41 61.5 56.8 85.2

39 36.8 32.0 48.0





#57

1,3-Dichloropropane

Concen: 57.876 ug/l

RT: 9.311 min Scan# 1349

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion: 76 Resp: 20221

Ion Ratio Lower Upper

76 100

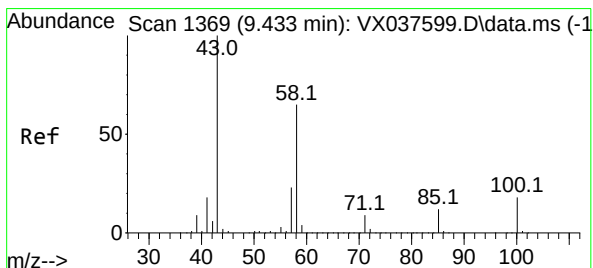
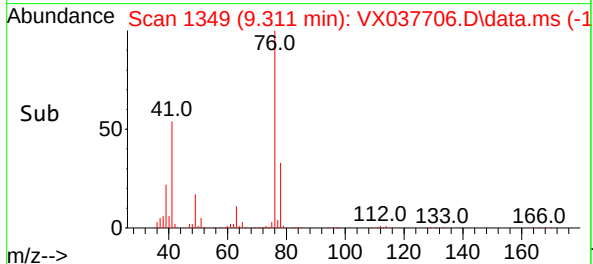
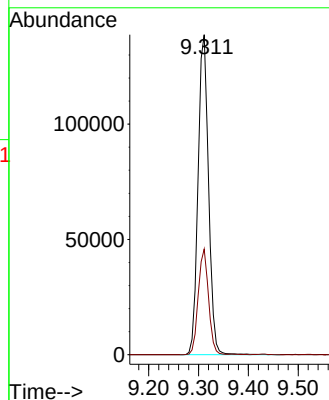
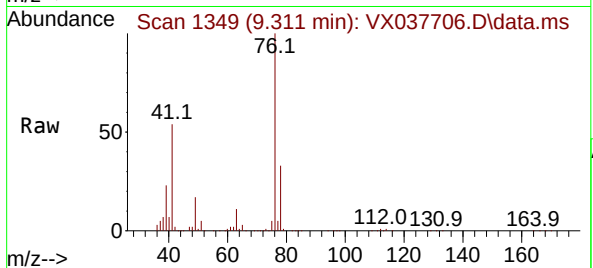
78 32.4 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#59

2-Hexanone

Concen: 305.870 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. -0.000 min

Lab File: VX037706.D

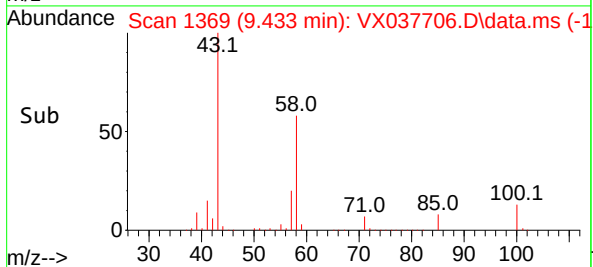
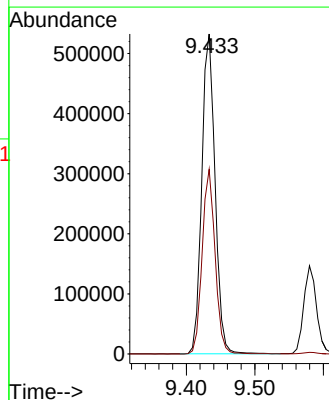
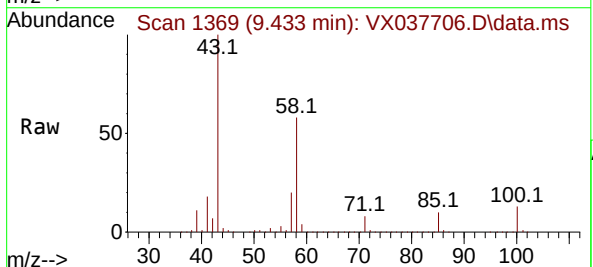
Acq: 13 Sep 2023 19:46

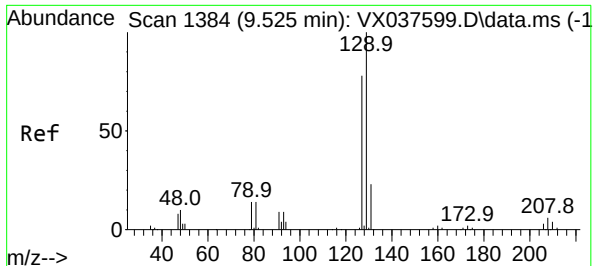
Tgt Ion: 43 Resp: 718224

Ion Ratio Lower Upper

43 100

58 56.4 26.2 78.5





#60

Dibromochloromethane

Concen: 60.631 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion:129 Resp: 12405

Ion Ratio Lower Upper

129 100

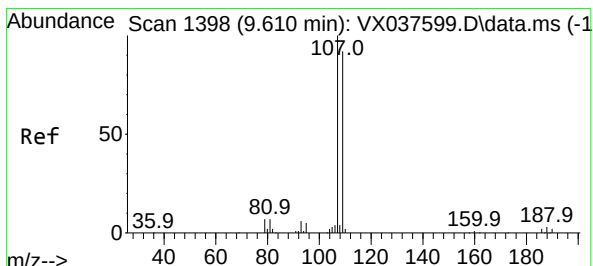
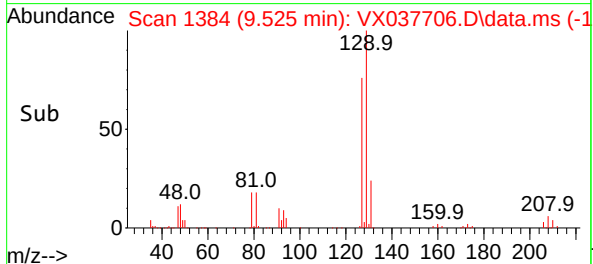
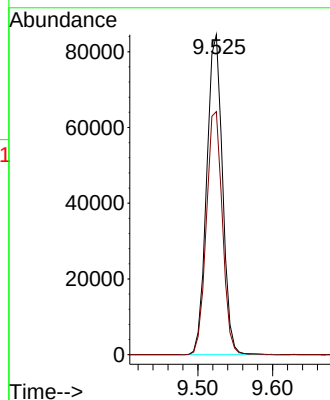
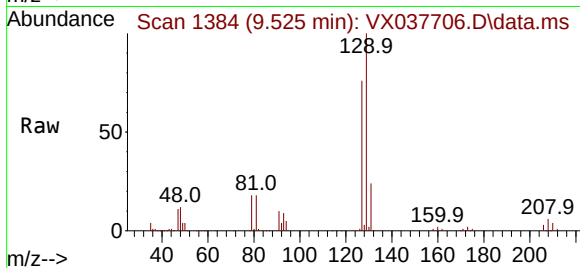
127 77.1 38.8 116.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#61

1,2-Dibromoethane

Concen: 60.566 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VX037706.D

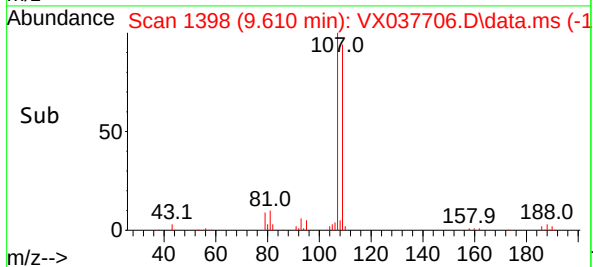
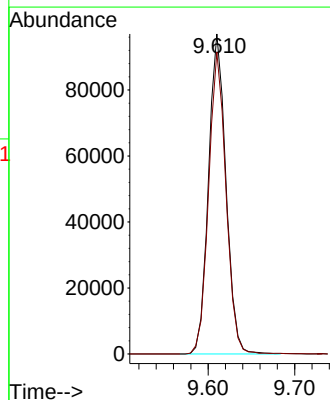
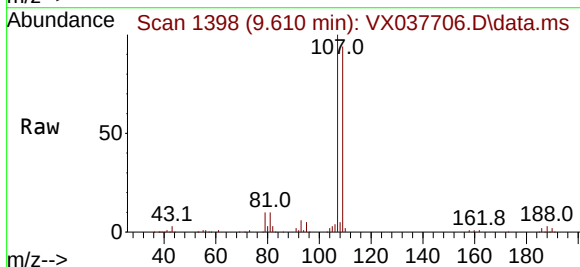
Acq: 13 Sep 2023 19:46

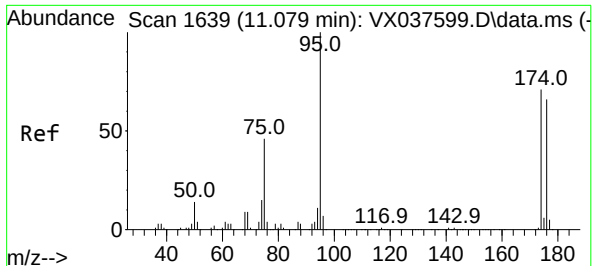
Tgt Ion:107 Resp: 135609

Ion Ratio Lower Upper

107 100

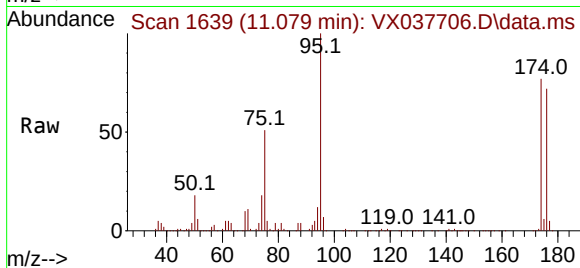
109 93.9 75.2 112.8





#62
4-Bromofluorobenzene
Concen: 54.139 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037706.D
Acq: 13 Sep 2023 19:46

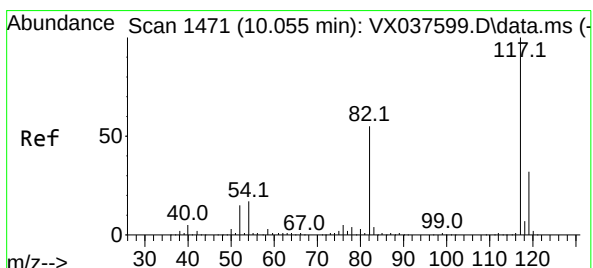
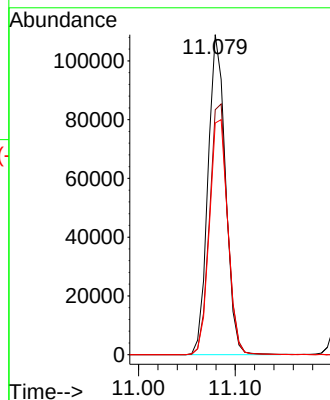
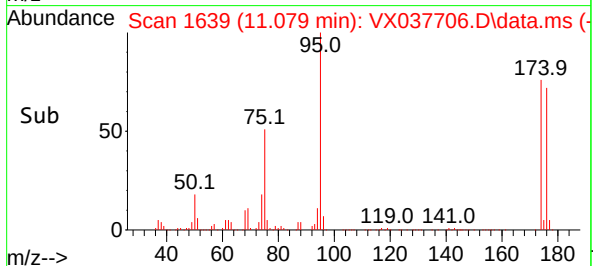
Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MSD



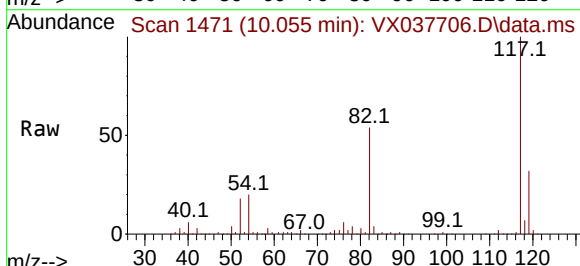
Tgt Ion: 95 Resp: 137424
Ion Ratio Lower Upper
95 100
174 80.9 0.0 135.6
176 77.1 0.0 131.0

Manual Integrations
APPROVED

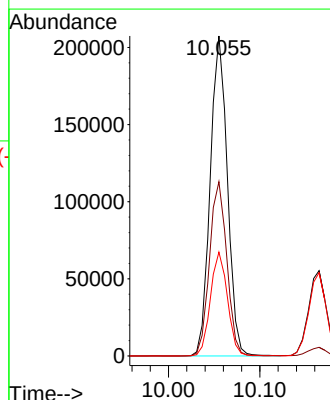
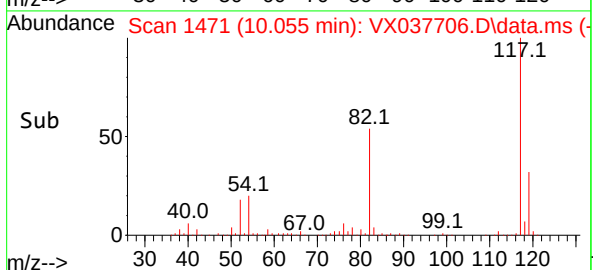
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023

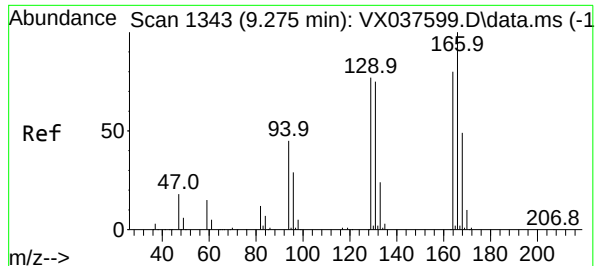


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037706.D
Acq: 13 Sep 2023 19:46



Tgt Ion:117 Resp: 269626
Ion Ratio Lower Upper
117 100
82 54.5 46.2 69.4
119 32.5 25.5 38.3





#64

Tetrachloroethene

Concen: 92.276 ug/l

RT: 9.275 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037706.D

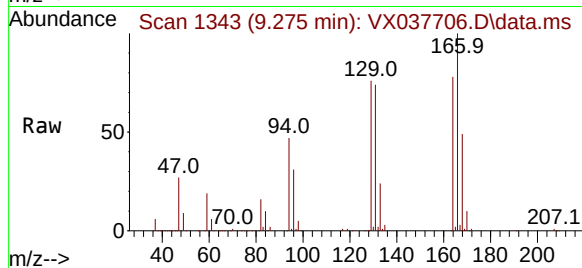
Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD



Tgt Ion:164 Resp: 161199

Ion Ratio Lower Upper

164 100

166 128.8 102.7 154.1

129 97.8 80.4 120.6

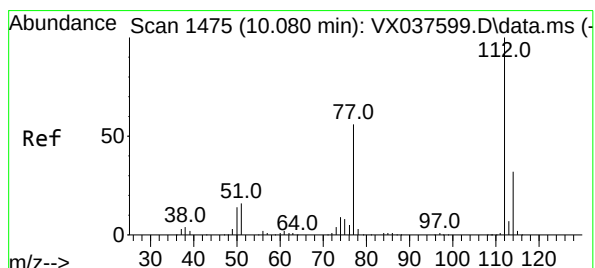
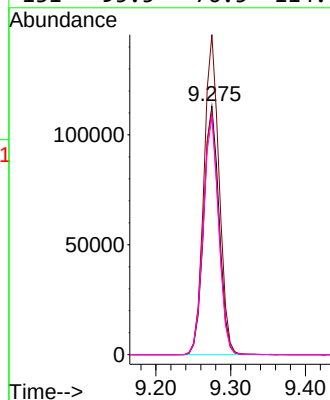
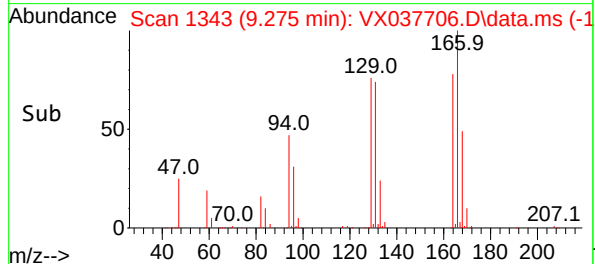
131 95.5 76.5 114.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#65

Chlorobenzene

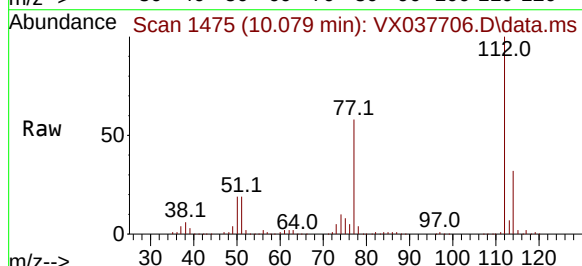
Concen: 48.682 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

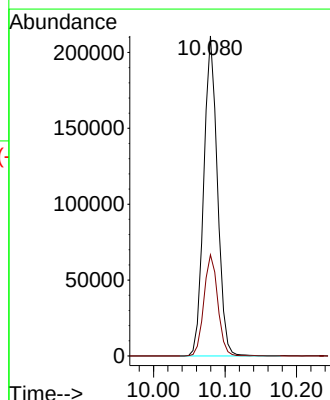
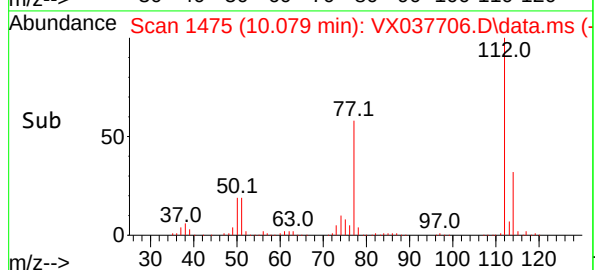


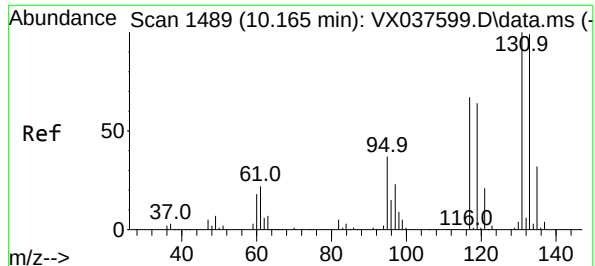
Tgt Ion:112 Resp: 279771

Ion Ratio Lower Upper

112 100

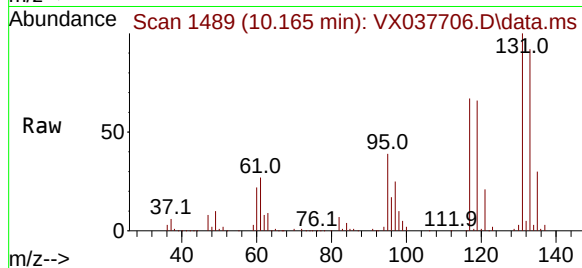
114 31.6 25.7 38.5





#66
1,1,1,2-Tetrachloroethane
Concen: 55.383 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VX037706.D
Acq: 13 Sep 2023 19:46

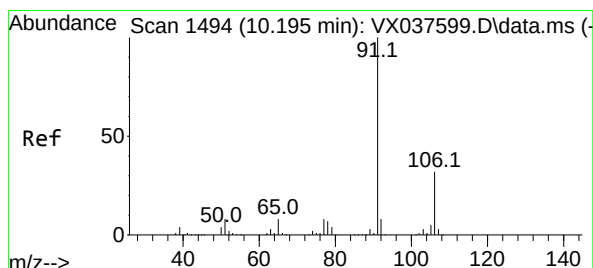
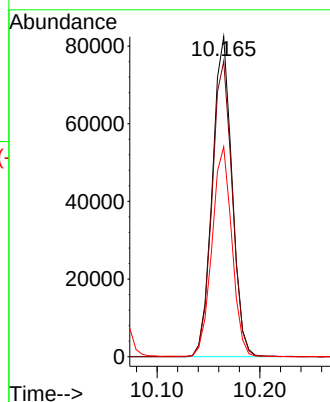
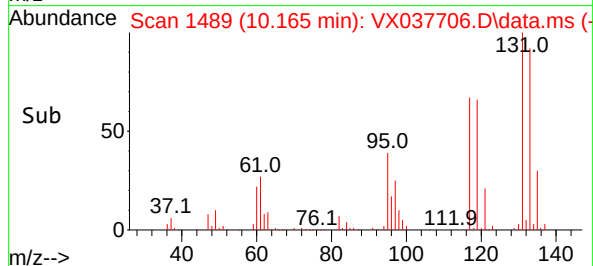
Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MSD



Tgt Ion:131 Resp: 109693
Ion Ratio Lower Upper
131 100
133 94.5 47.1 141.4
119 66.2 32.2 96.6

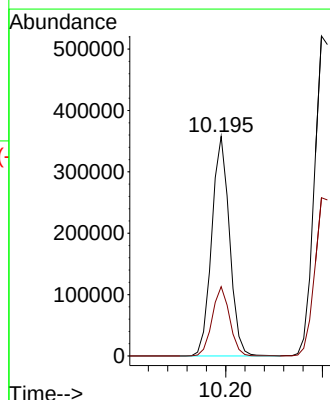
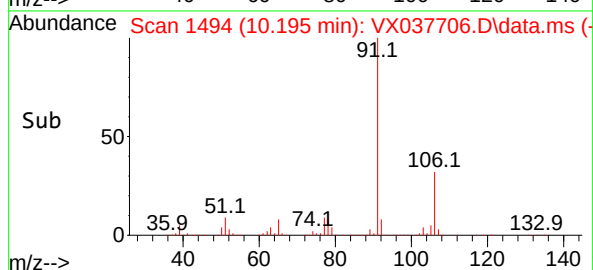
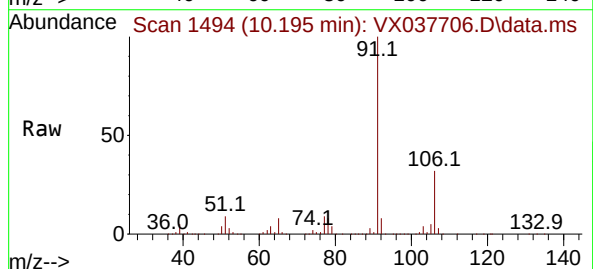
Manual Integrations
APPROVED

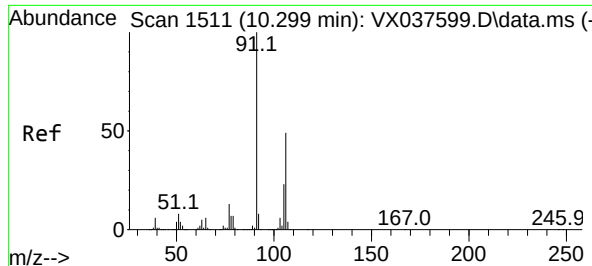
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



#67
Ethyl Benzene
Concen: 44.693 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX037706.D
Acq: 13 Sep 2023 19:46

Tgt Ion: 91 Resp: 457087
Ion Ratio Lower Upper
91 100
106 31.6 24.9 37.3





#68

m/p-Xylenes

Concen: 90.974 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion:106 Resp: 35476

Ion Ratio Lower Upper

106 100

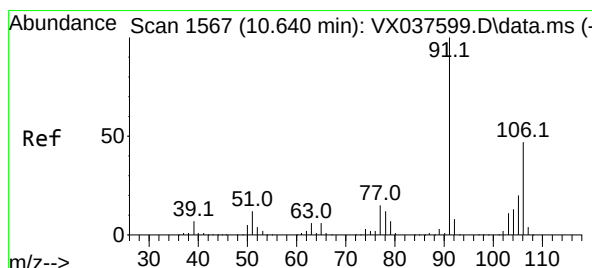
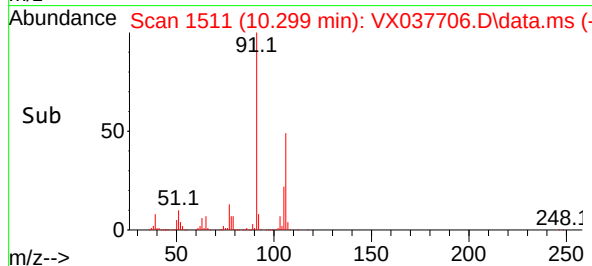
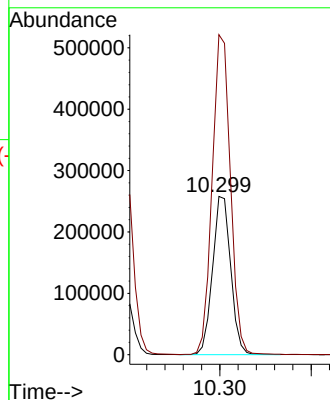
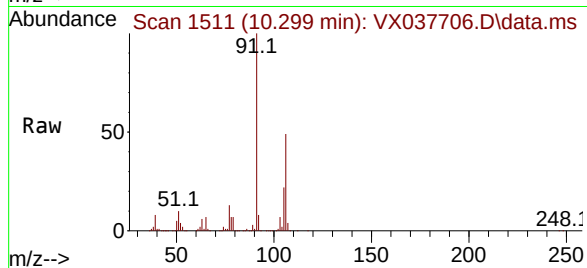
91 203.8 165.5 248.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#69

o-Xylene

Concen: 49.054 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX037706.D

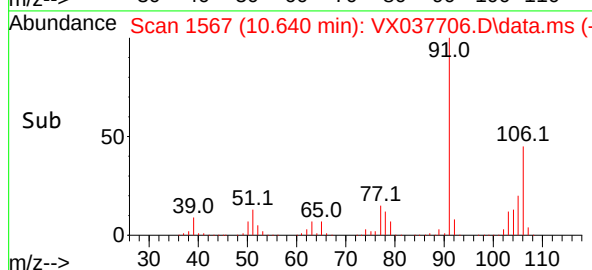
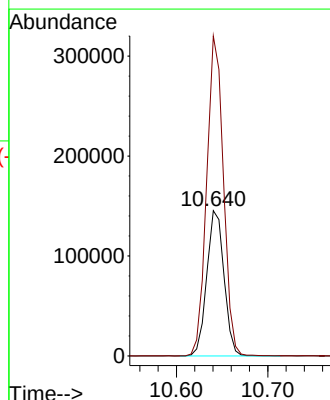
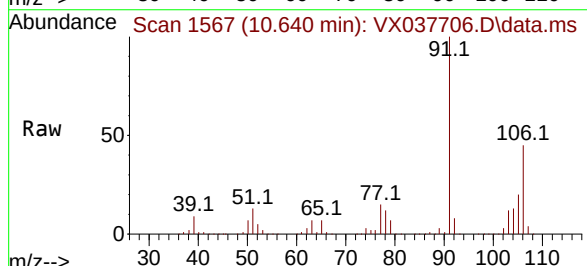
Acq: 13 Sep 2023 19:46

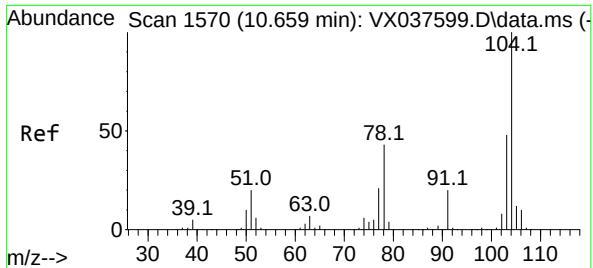
Tgt Ion:106 Resp: 190720

Ion Ratio Lower Upper

106 100

91 214.2 108.9 326.8





#70

Styrene

Concen: 51.214 ug/l

RT: 10.659 min Scan# 1570

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion:104 Resp: 324859

Ion Ratio Lower Upper

104 100

78 50.0 43.6 65.4

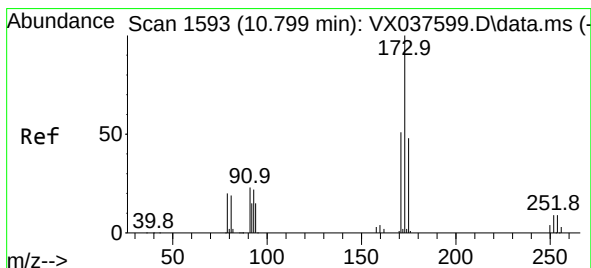
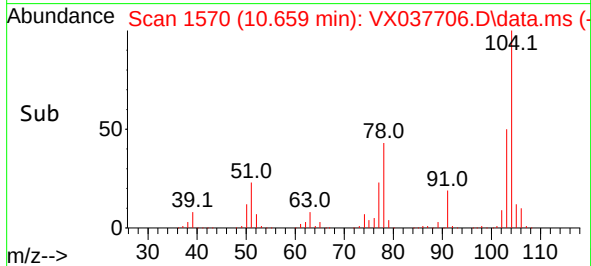
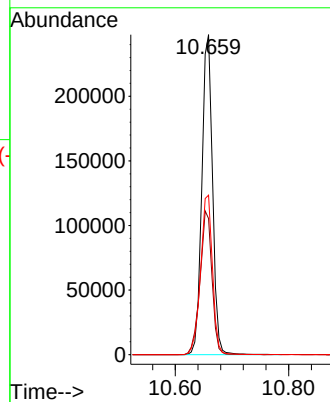
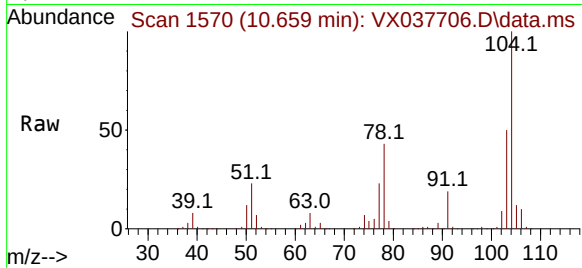
103 55.5 43.6 65.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#71

Bromoform

Concen: 59.921 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

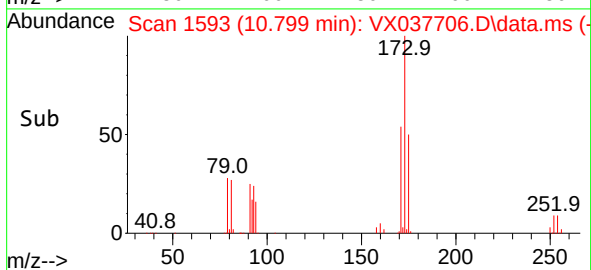
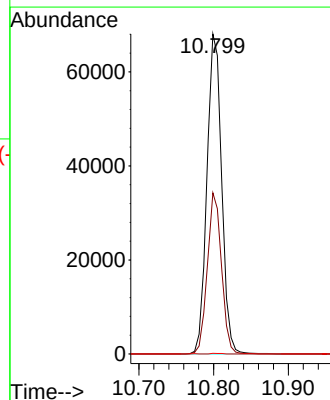
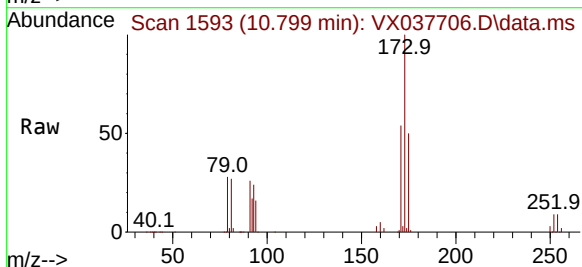
Tgt Ion:173 Resp: 92868

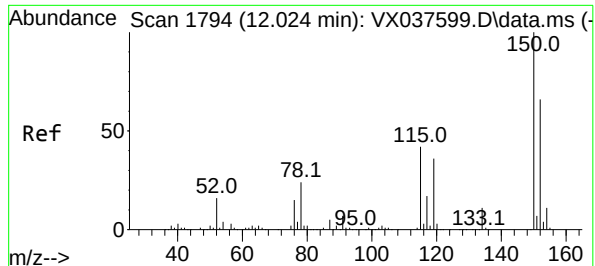
Ion Ratio Lower Upper

173 100

175 48.4 24.1 72.4

254 0.1 0.0 0.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion:152 Resp: 131762

Ion Ratio Lower Upper

152 100

115 81.0 43.3 129.9

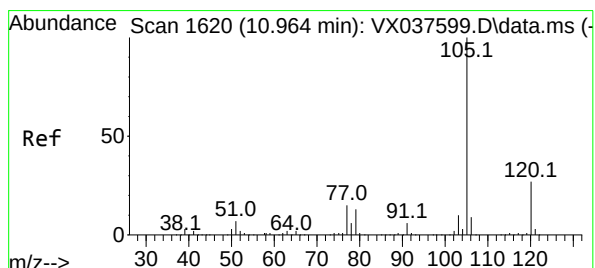
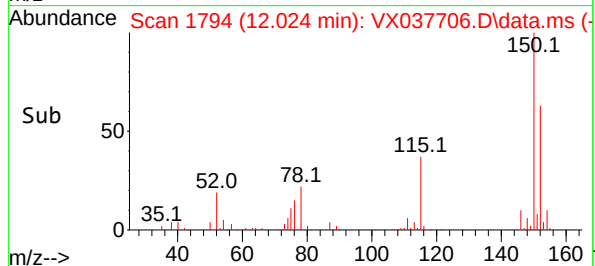
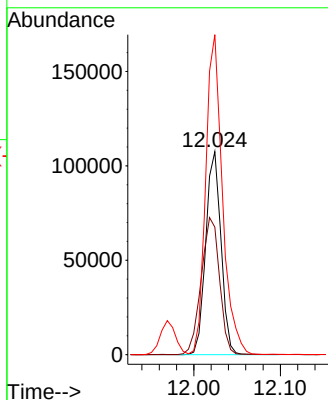
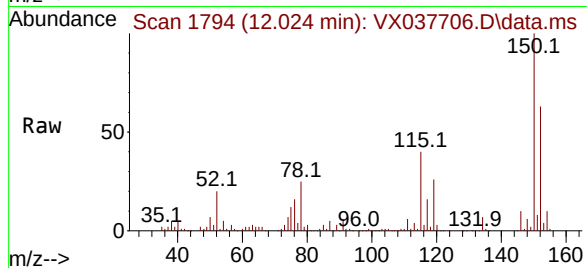
150 173.3 0.0 345.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#73

Isopropylbenzene

Concen: 44.139 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VX037706.D

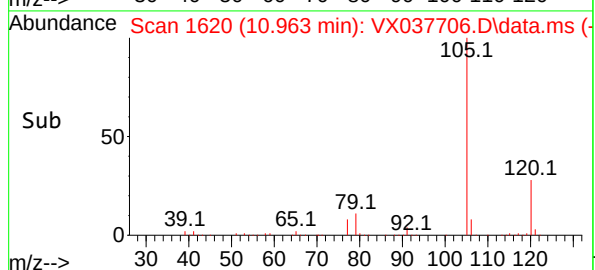
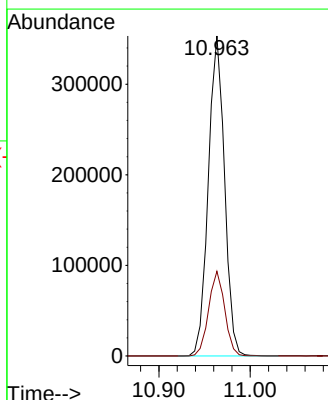
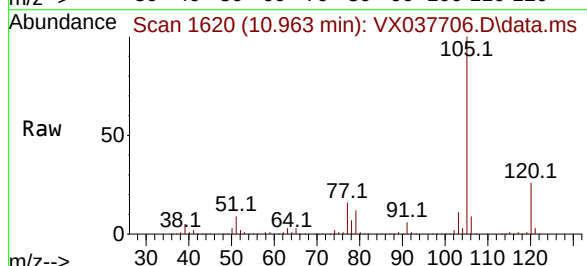
Acq: 13 Sep 2023 19:46

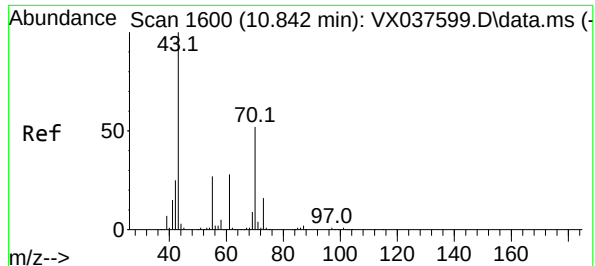
Tgt Ion:105 Resp: 435430

Ion Ratio Lower Upper

105 100

120 26.3 12.9 38.6





#74

N-amy1 acetate

Concen: 43.279 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion: 43 Resp: 186179

Ion Ratio Lower Upper

43 100

70 43.5 32.9 49.3

55 25.0 19.3 28.9

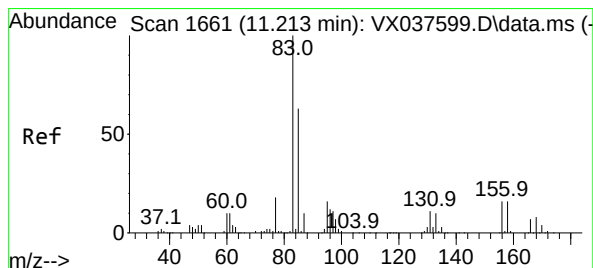
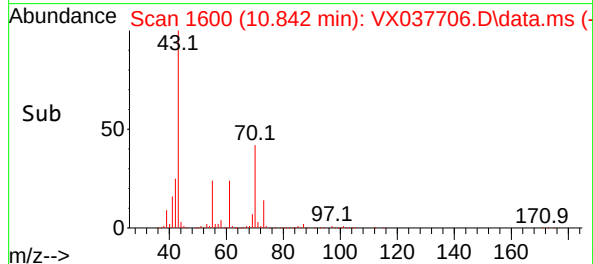
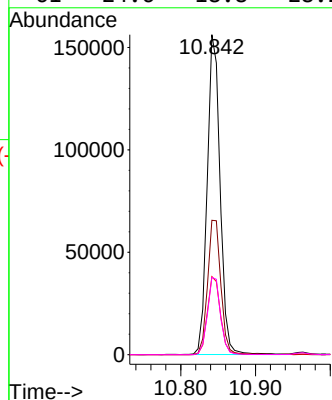
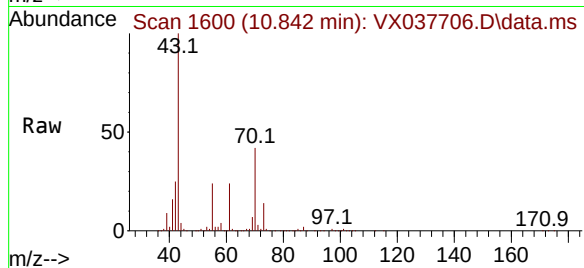
61 24.6 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#75

1,1,2,2-Tetrachloroethane

Concen: 57.356 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

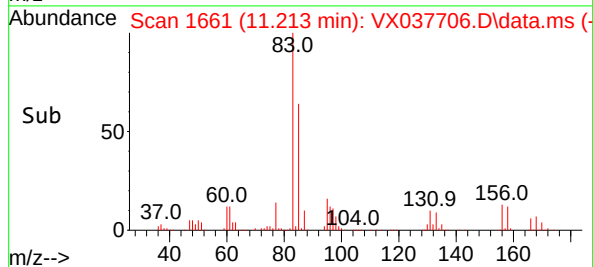
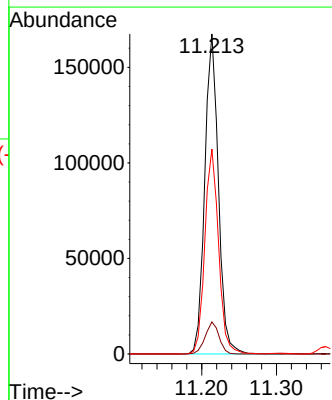
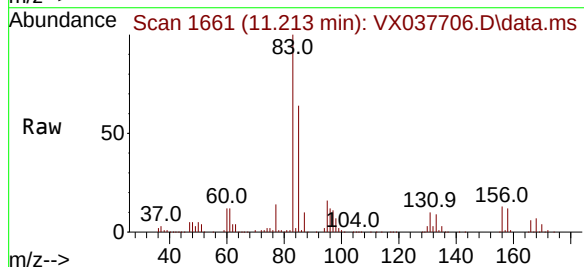
Tgt Ion: 83 Resp: 211738

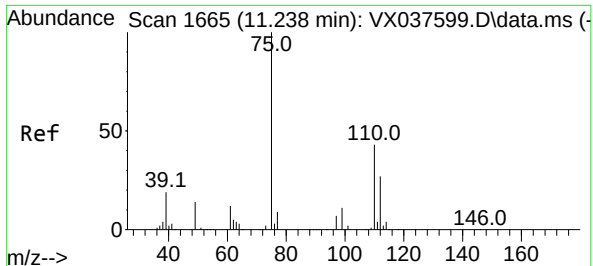
Ion Ratio Lower Upper

83 100

131 10.2 5.3 15.8

85 64.6 32.0 96.2





#76

1,2,3-Trichloropropane

Concen: 56.264 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion: 75 Resp: 16298

Ion Ratio Lower Upper

75 100

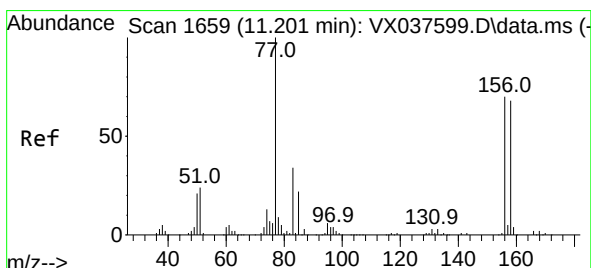
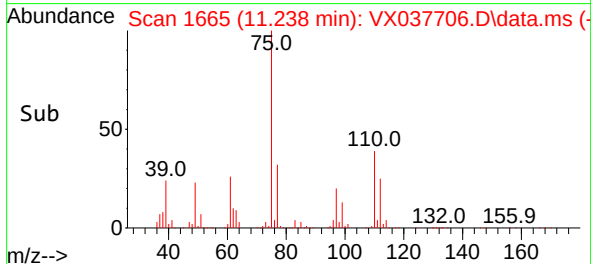
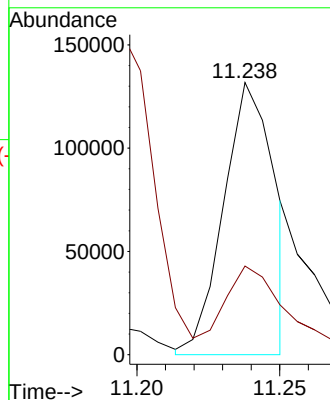
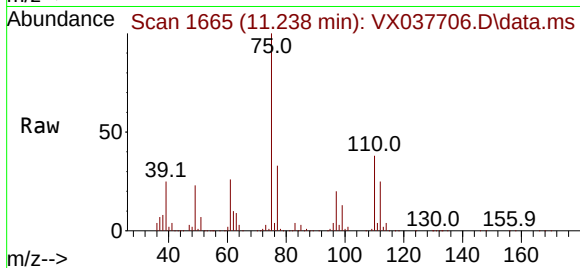
77 41.2 19.1 57.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#77

Bromobenzene

Concen: 54.727 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.006 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

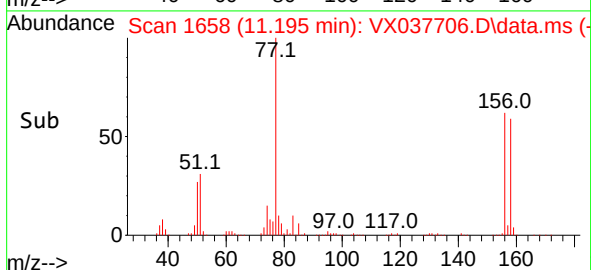
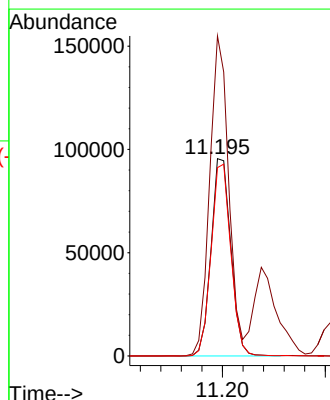
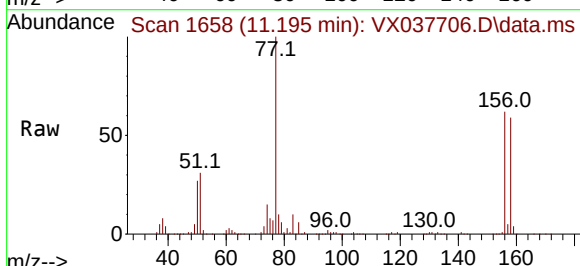
Tgt Ion:156 Resp: 127941

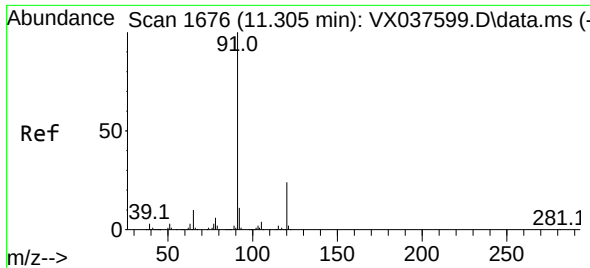
Ion Ratio Lower Upper

156 100

77 155.3 88.4 265.3

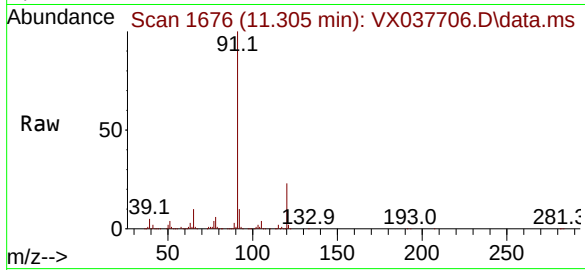
158 97.0 48.0 144.0





#78
n-propylbenzene
Concen: 42.228 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX037706.D
Acq: 13 Sep 2023 19:46

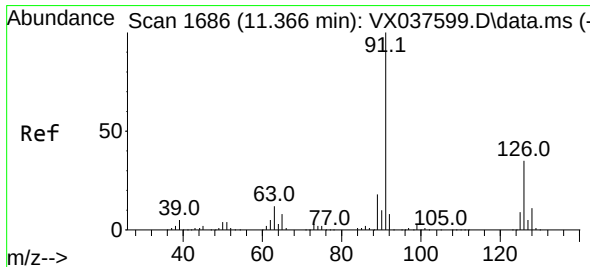
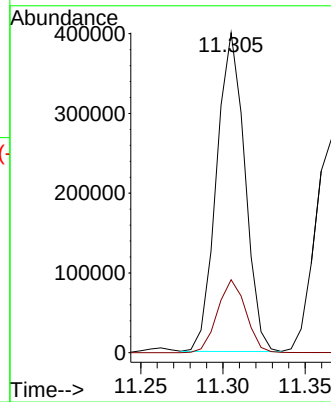
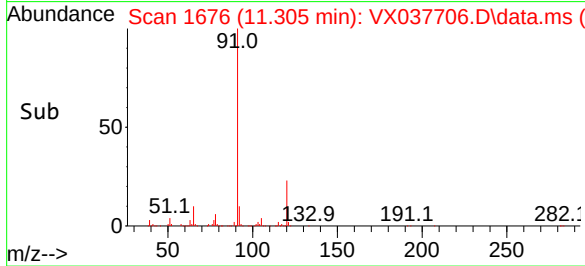
Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MSD



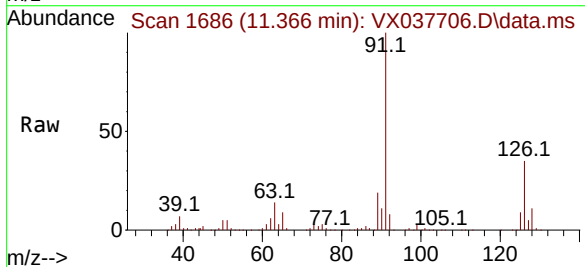
Tgt Ion: 91 Resp: 479269
Ion Ratio Lower Upper
91 100
120 23.0 11.5 34.4

Manual Integrations
APPROVED

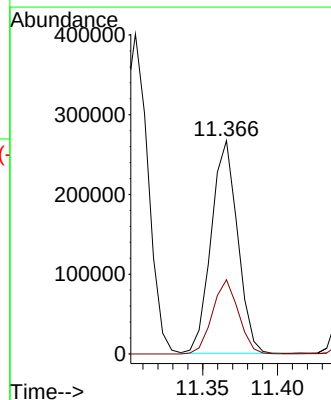
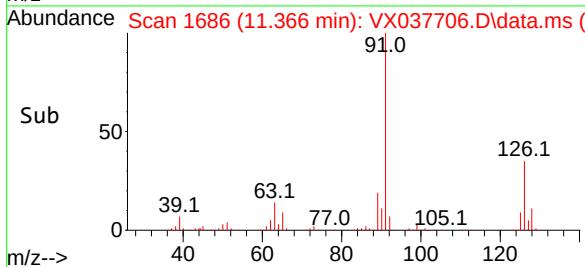
Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023

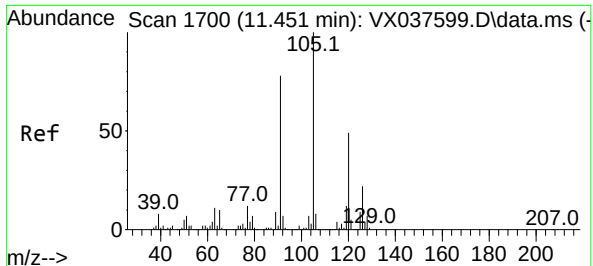


#79
2-Chlorotoluene
Concen: 46.948 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VX037706.D
Acq: 13 Sep 2023 19:46



Tgt Ion: 91 Resp: 327993
Ion Ratio Lower Upper
91 100
126 34.3 16.3 48.8





#80

1,3,5-Trimethylbenzene

Concen: 45.579 ug/l

RT: 11.451 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion:105 Resp: 377890

Ion Ratio Lower Upper

105 100

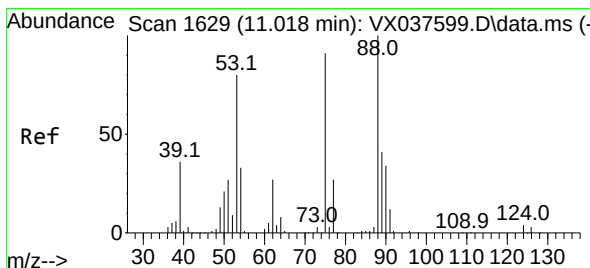
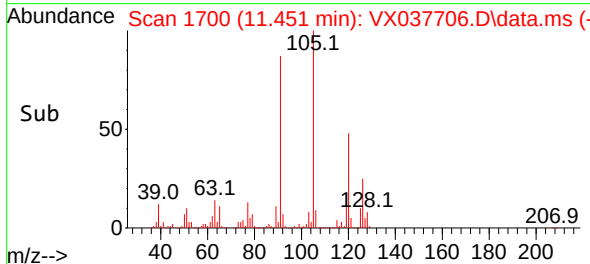
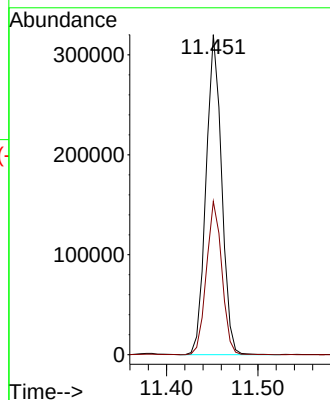
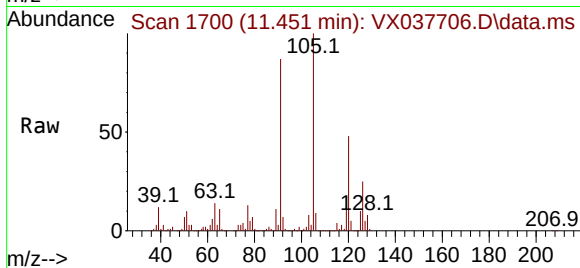
120 47.4 24.1 72.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#81

trans-1,4-Dichloro-2-butene

Concen: 41.769 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

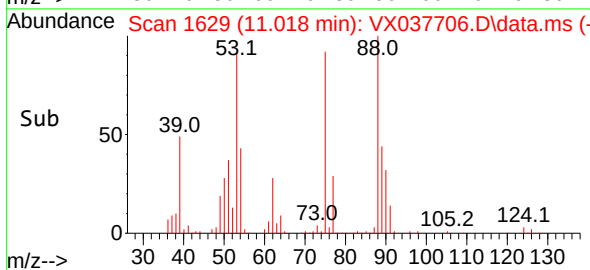
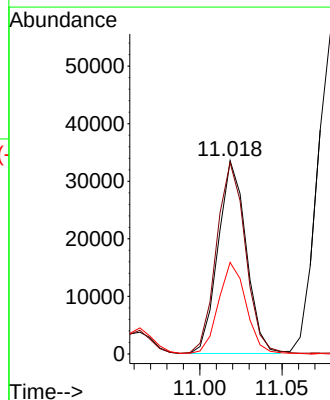
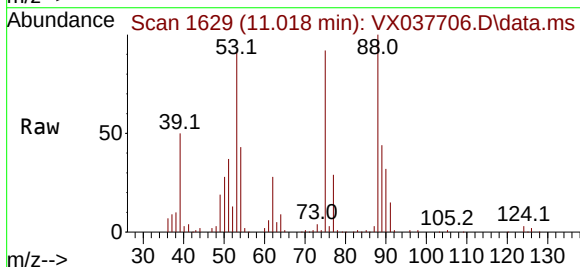
Tgt Ion: 75 Resp: 39804

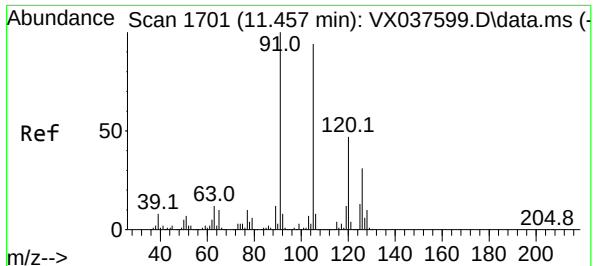
Ion Ratio Lower Upper

75 100

53 104.2 90.5 135.7

89 47.0 36.9 55.3





#82

4-Chlorotoluene

Concen: 46.227 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion: 91 Resp: 368918

Ion Ratio Lower Upper

91 100

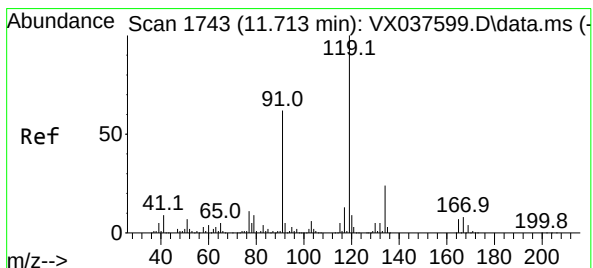
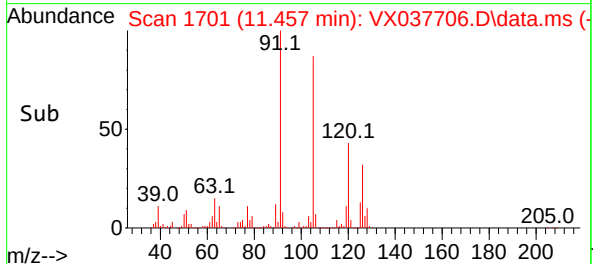
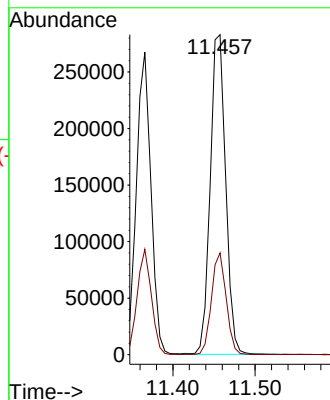
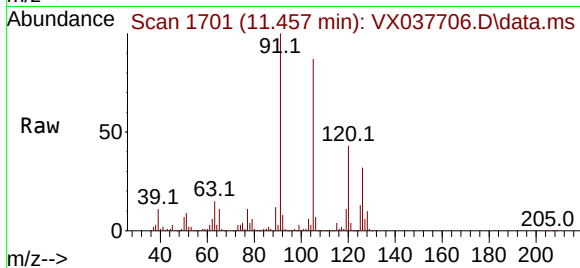
126 30.4 14.2 42.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#83

tert-Butylbenzene

Concen: 45.763 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

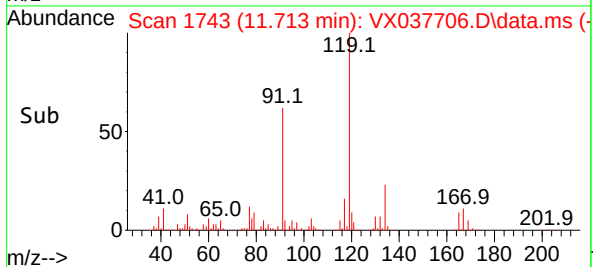
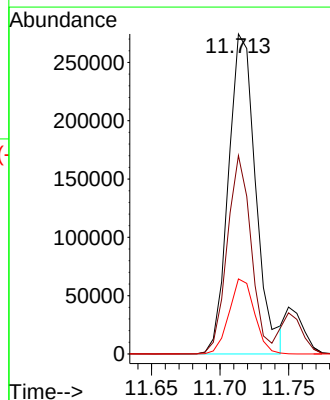
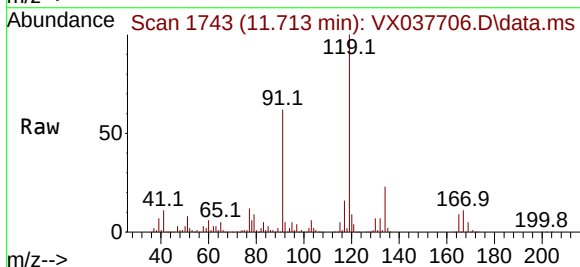
Tgt Ion:119 Resp: 381152

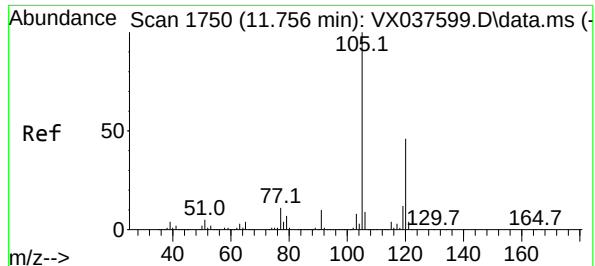
Ion Ratio Lower Upper

119 100

91 54.5 31.2 93.6

134 21.9 11.7 35.0





#84

1,2,4-Trimethylbenzene

Concen: 47.242 ug/l

RT: 11.750 min Scan# 1750

Delta R.T. -0.006 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion:105 Resp: 394880

Ion Ratio Lower Upper

105 100

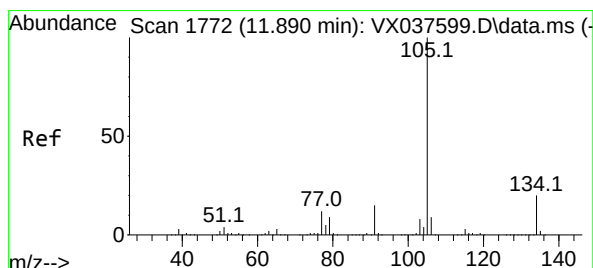
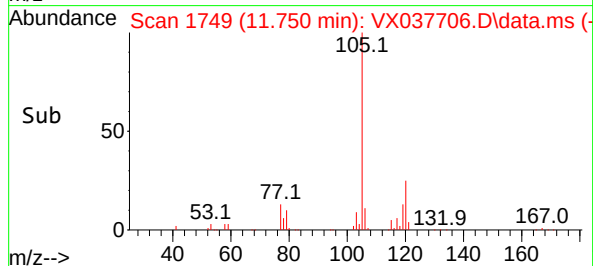
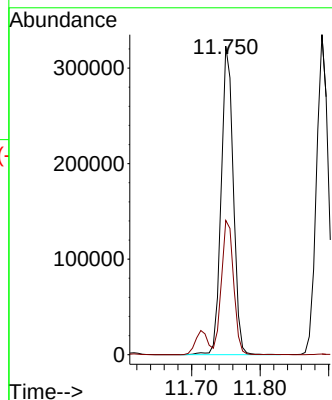
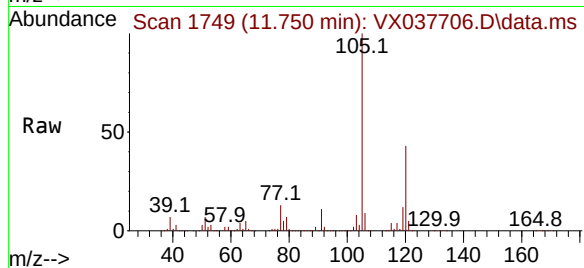
120 43.5 21.2 63.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#85

sec-Butylbenzene

Concen: 39.463 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX037706.D

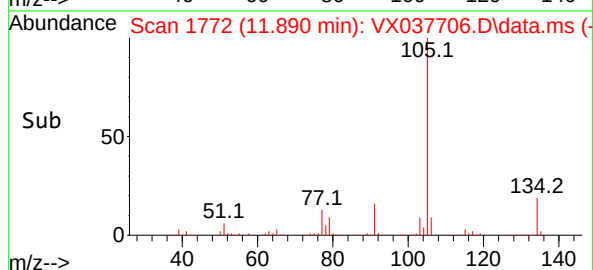
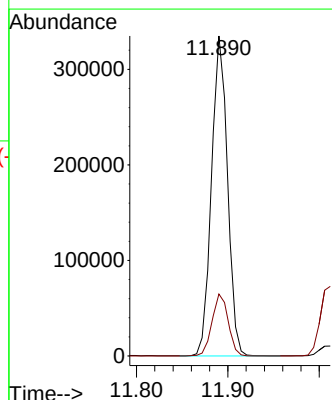
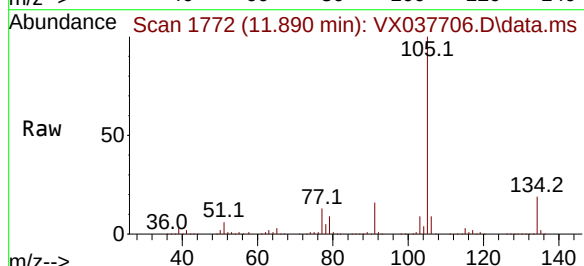
Acq: 13 Sep 2023 19:46

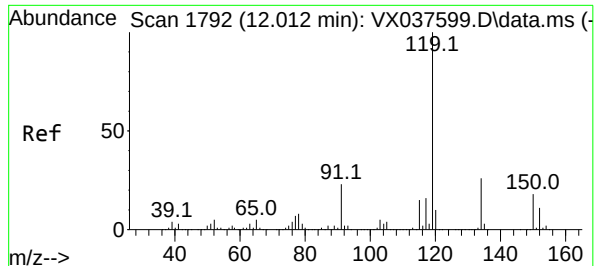
Tgt Ion:105 Resp: 405781

Ion Ratio Lower Upper

105 100

134 19.6 9.8 29.4





#86

p-Isopropyltoluene

Concen: 40.765 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion:119 Resp: 343478

Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.3

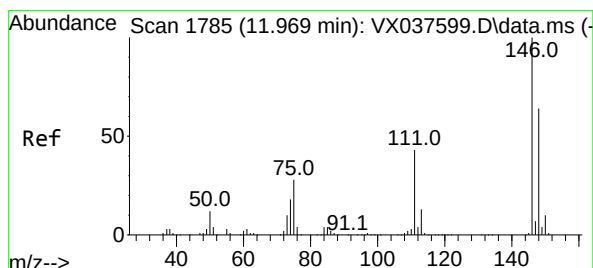
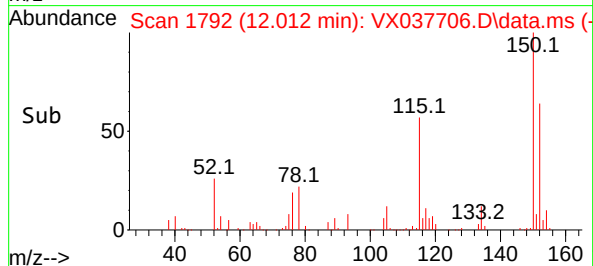
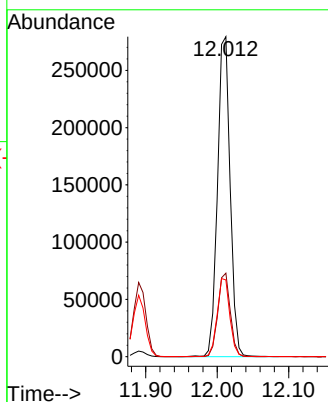
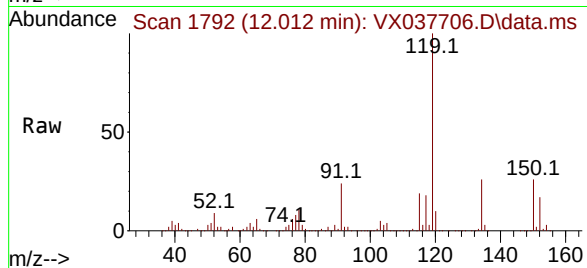
91 24.3 13.1 39.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#87

1,3-Dichlorobenzene

Concen: 48.177 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

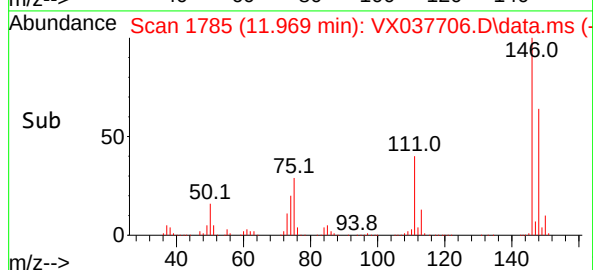
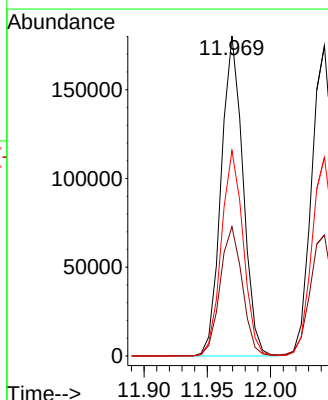
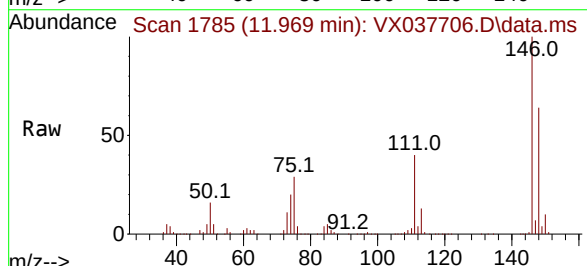
Tgt Ion:146 Resp: 216257

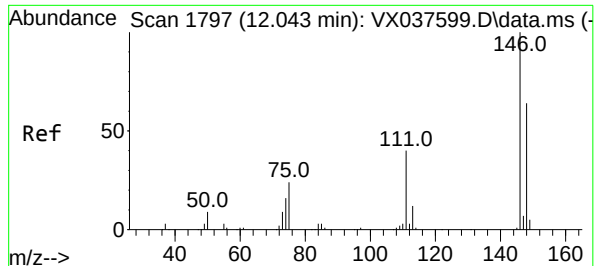
Ion Ratio Lower Upper

146 100

111 41.1 22.1 66.1

148 64.2 31.8 95.3





#88

1,4-Dichlorobenzene

Concen: 47.396 ug/l

RT: 12.043 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion:146 Resp: 218652

Ion Ratio Lower Upper

146 100

111 40.1 21.3 63.7

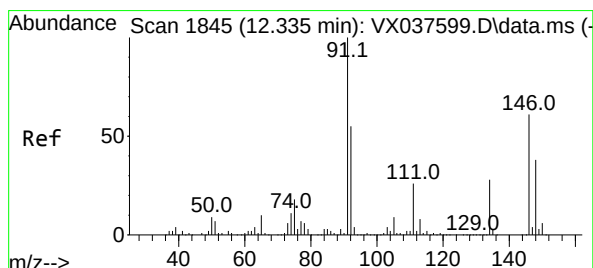
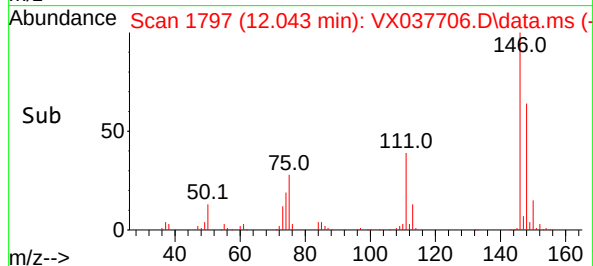
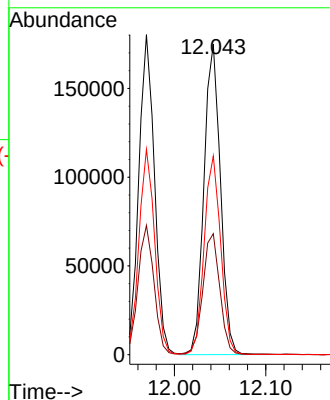
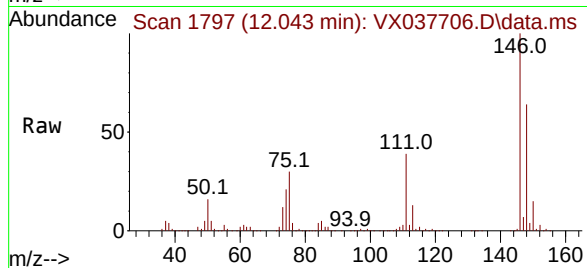
148 64.0 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#89

n-Butylbenzene

Concen: 34.327 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

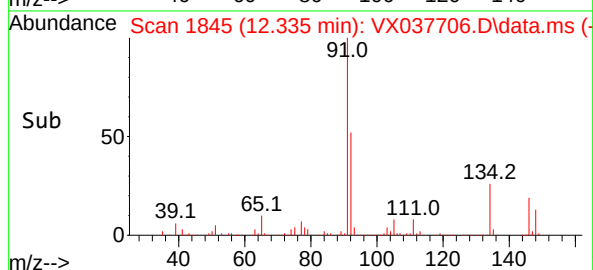
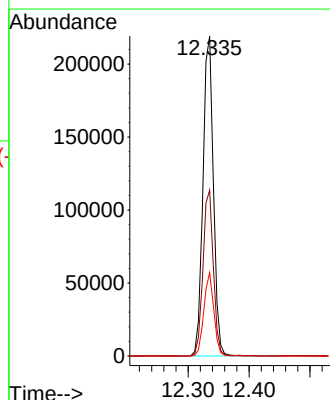
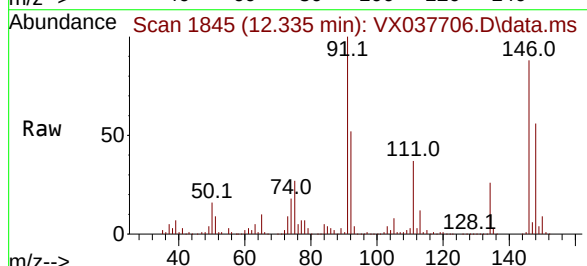
Tgt Ion: 91 Resp: 261959

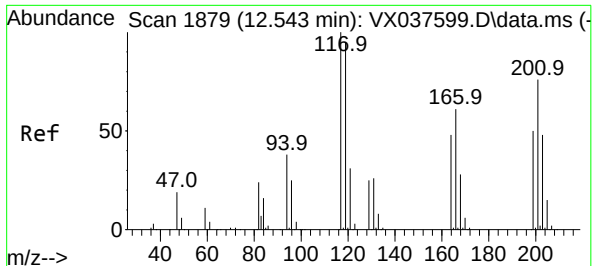
Ion Ratio Lower Upper

91 100

92 51.7 27.4 82.0

134 24.9 12.6 37.8





#90

Hexachloroethane

Concen: 44.595 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.006 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion:117 Resp: 63400

Ion Ratio Lower Upper

117 100

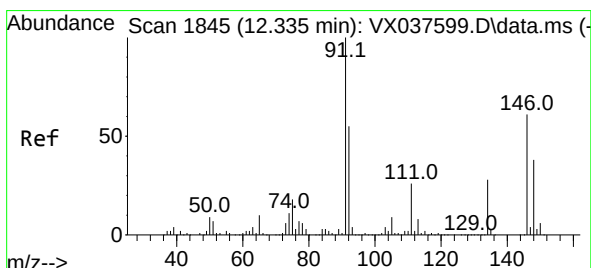
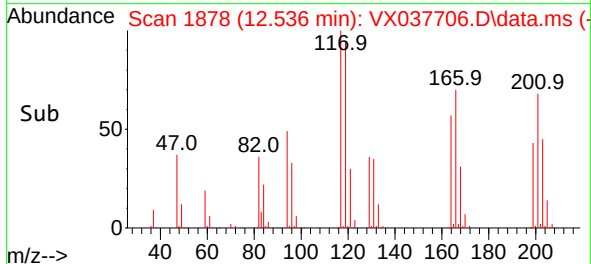
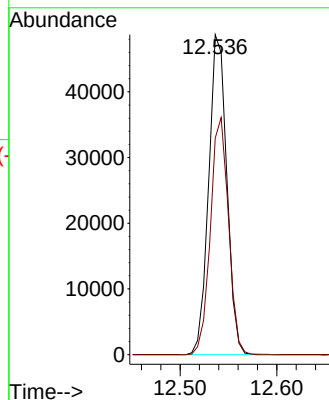
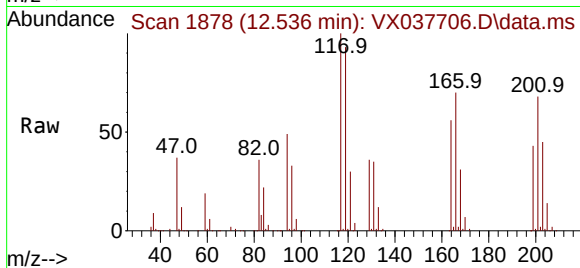
201 74.0 32.9 98.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#91

1,2-Dichlorobenzene

Concen: 52.712 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

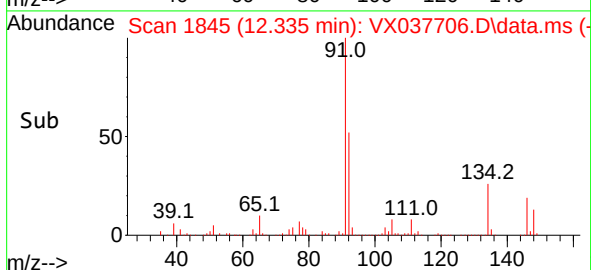
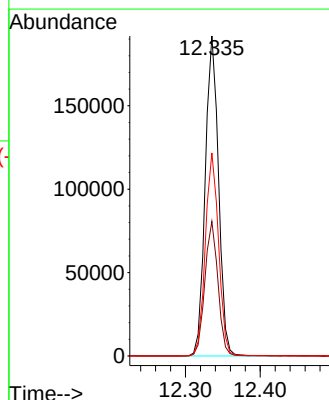
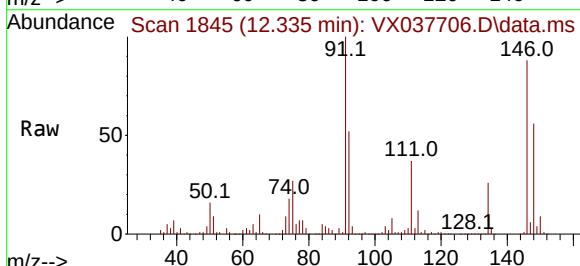
Tgt Ion:146 Resp: 236731

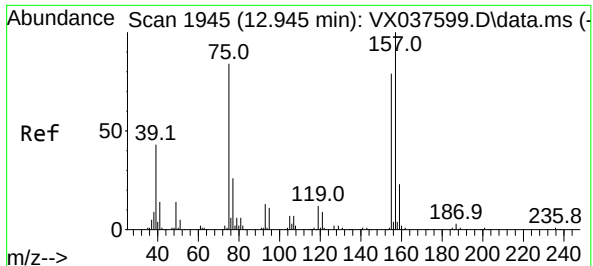
Ion Ratio Lower Upper

146 100

111 41.5 22.4 67.0

148 63.2 31.6 95.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 59.710 ug/l

RT: 12.945 min Scan# 1945

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

Tgt Ion: 75 Resp: 4526

Ion Ratio Lower Upper

75 100

155 86.0 36.1 108.5

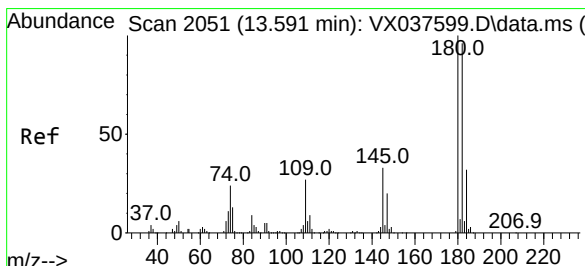
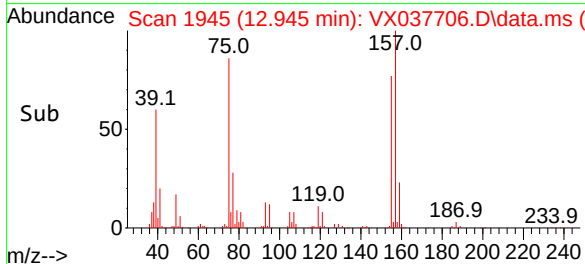
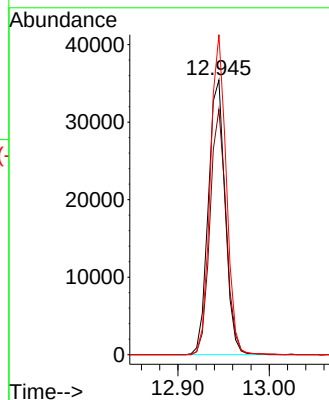
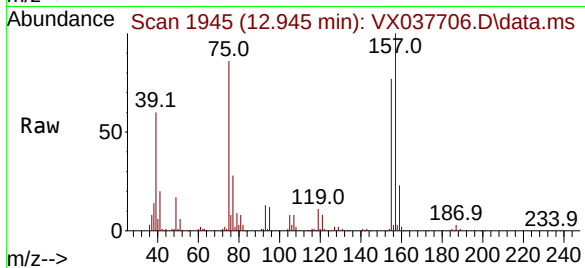
157 111.2 44.9 134.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#93

1,2,4-Trichlorobenzene

Concen: 45.869 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.006 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

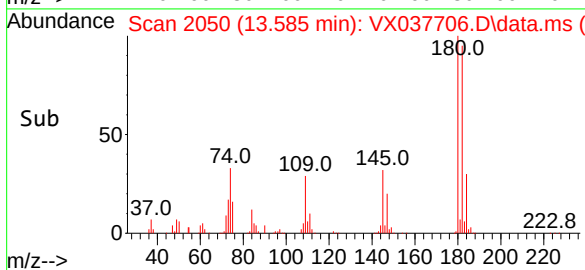
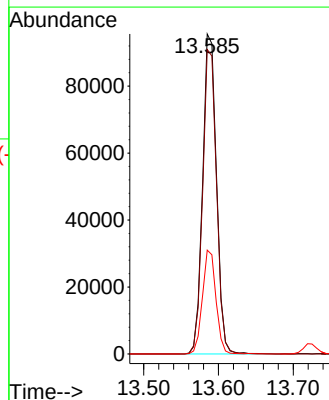
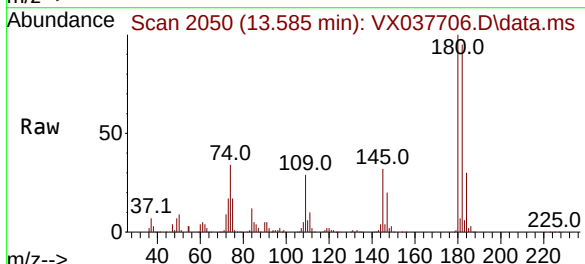
Tgt Ion:180 Resp: 122682

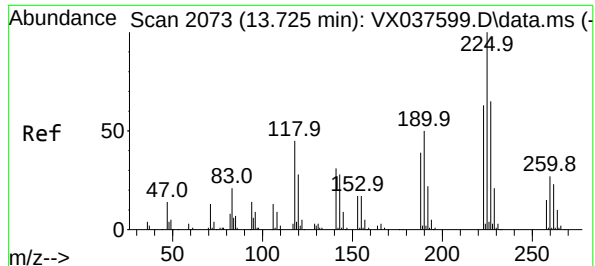
Ion Ratio Lower Upper

180 100

182 95.4 48.3 144.8

145 31.7 18.0 54.0





#94

Hexachlorobutadiene

Concen: 32.018 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

Instrument :

MSVOA_X

ClientSampleId :

1042-MW-02(23.8)MSD

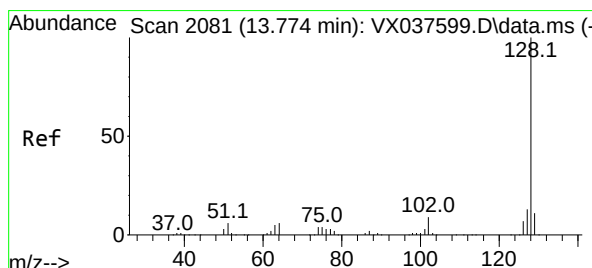
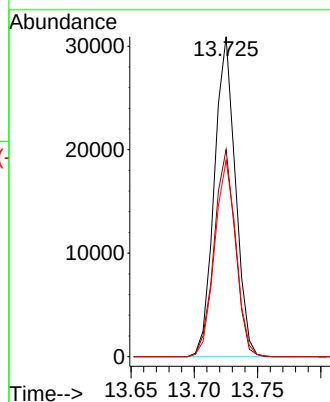
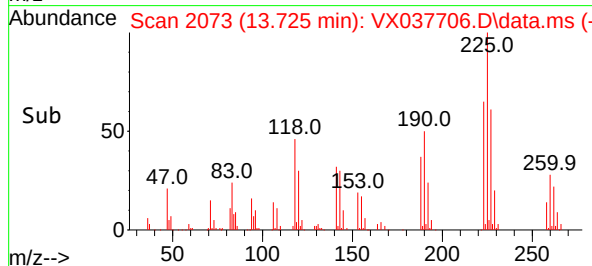
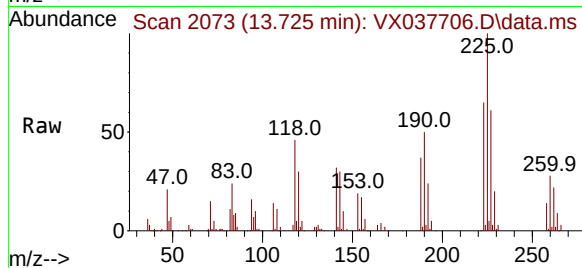
Tgt Ion:	225	Resp:	35772
Ion Ratio	Lower	Upper	
225	100		
223	65.0	31.1	93.2
227	62.8	32.5	97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/14/2023

Supervised By :Mahesh Dadoda 09/14/2023



#95

Naphthalene

Concen: 56.751 ug/l

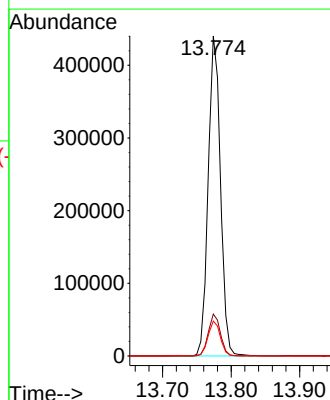
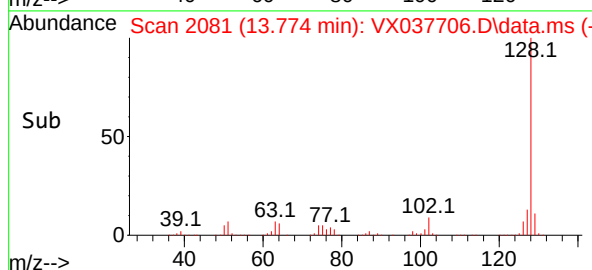
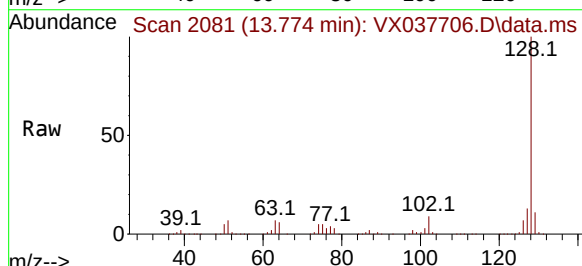
RT: 13.774 min Scan# 2081

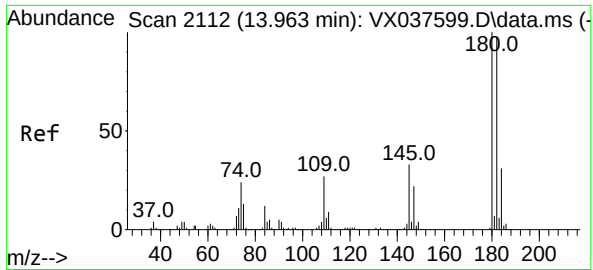
Delta R.T. -0.000 min

Lab File: VX037706.D

Acq: 13 Sep 2023 19:46

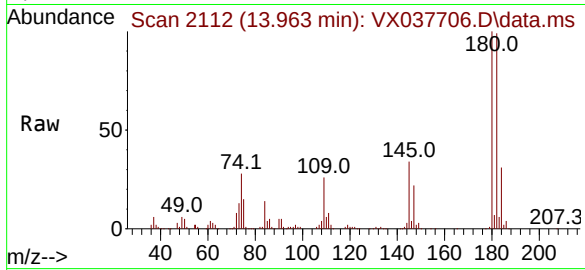
Tgt Ion:	128	Resp:	549832
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	10.9	8.8	13.2





#96
1,2,3-Trichlorobenzene
Concen: 49.611 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX037706.D
Acq: 13 Sep 2023 19:46

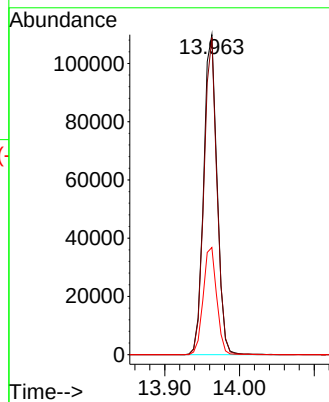
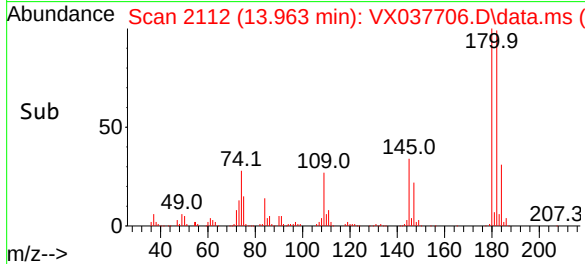
Instrument :
MSVOA_X
ClientSampleId :
1042-MW-02(23.8)MSD



Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	46.9	140.6
145	33.9	17.8	53.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/14/2023
Supervised By :Mahesh Dadoda 09/14/2023



Manual Integration Report

Sequence:

vx091123

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC020	VX037647.D	1,2,3-Trichloropropane	JOHN	9/12/2023 9:58:56 AM	MMDadoda	9/12/2023 6:31:13 PM	Peak Integrated by Software
VSTDICCC050	VX037648.D	1,2,3-Trichloropropane	JOHN	9/12/2023 9:59:11 AM	MMDadoda	9/12/2023 6:31:14 PM	Peak Integrated by Software
VSTDICC100	VX037649.D	1,2,3-Trichloropropane	JOHN	9/12/2023 10:16:51 AM	MMDadoda	9/12/2023 6:31:16 PM	Peak Integrated by Software
VSTDICC150	VX037650.D	1,2,3-Trichloropropane	JOHN	9/12/2023 10:16:57 AM	MMDadoda	9/12/2023 6:31:17 PM	Peak Integrated by Software
VSTDICC005	VX037652.D	1,2,3-Trichloropropane	JOHN	9/12/2023 10:17:03 AM	MMDadoda	9/12/2023 6:31:18 PM	Peak Integrated by Software
VSTDICC005	VX037652.D	Chloroethane	JOHN	9/12/2023 10:17:03 AM	MMDadoda	9/12/2023 6:31:18 PM	Peak Integrated by Software
VSTDICC001	VX037653.D	1,2,3-Trichloropropane	JOHN	9/12/2023 10:17:09 AM	MMDadoda	9/12/2023 6:31:20 PM	Peak Integrated by Software
VSTDICC001	VX037653.D	1,4-Dichlorobenzene	JOHN	9/12/2023 10:17:09 AM	MMDadoda	9/12/2023 6:31:20 PM	Peak Integrated by Software
VSTDICC001	VX037653.D	Chloroethane	JOHN	9/12/2023 10:17:09 AM	MMDadoda	9/12/2023 6:31:20 PM	Peak Integrated by Software
VSTDICC001	VX037653.D	Ethyl Acetate	JOHN	9/12/2023 10:17:09 AM	MMDadoda	9/12/2023 6:31:20 PM	Peak Integrated by Software
VSTDICV050	VX037654.D	1,2,3-Trichloropropane	JOHN	9/12/2023 10:28:40 AM	MMDadoda	9/12/2023 6:31:22 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

vx091223

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX037656.D	1,2,3-Trichloropropane	JOHN	9/13/2023 9:54:40 AM	MMDadoda	9/13/2023 4:53:53 PM	Peak Integrated by Software
VX0912WBS01	VX037659.D	1,2,3-Trichloropropane	JOHN	9/13/2023 9:54:46 AM	MMDadoda	9/13/2023 4:53:53 PM	Peak Integrated by Software
VSTDCCC050	VX037681.D	1,2,3-Trichloropropane	JOHN	9/13/2023 9:55:47 AM	MMDadoda	9/13/2023 4:54:02 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

vx091323

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX037683.D	1,2,3-Trichloropropane	JOHN	9/14/2023 10:51:29 AM	MMDadoda	9/14/2023 5:38:17 PM	Peak Integrated by Software
VX0913WBS01	VX037686.D	1,2,3-Trichloropropane	JOHN	9/14/2023 10:51:36 AM	MMDadoda	9/14/2023 5:38:19 PM	Peak Integrated by Software
O4373-08MS	VX037705.D	1,2,3-Trichloropropane	JOHN	9/14/2023 10:57:55 AM	MMDadoda	9/14/2023 5:38:23 PM	Peak Integrated by Software
O4373-09MSD	VX037706.D	1,2,3-Trichloropropane	JOHN	9/14/2023 10:58:08 AM	MMDadoda	9/14/2023 5:38:25 PM	Peak Integrated by Software
VSTDCCC050	VX037707.D	1,2,3-Trichloropropane	JOHN	9/14/2023 10:58:14 AM	MMDadoda	9/14/2023 5:38:36 PM	Peak Integrated by Software
VSTDCCC050	VX037709.D	1,2,3-Trichloropropane	JOHN	9/14/2023 10:58:20 AM	MMDadoda	9/14/2023 5:38:38 PM	Peak Integrated by Software
VSTDCCC050	VX037718.D	1,2,3-Trichloropropane	JOHN	9/14/2023 10:58:59 AM	MMDadoda	9/14/2023 5:38:49 PM	Peak Integrated by Software

Daily Analysis Runlog For Sequence/QC Batch ID # VX091123

Review By	John Carlone	Review On	9/12/2023 10:28:55 AM
Supervise By	Mahesh Dadoda	Supervise On	9/12/2023 6:31:24 PM
SubDirectory	VX091123	HP Acquire Method	HP Processing Method 82X091123W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP122811		
Initial Calibration Stds	VP122819,VP122820,VP122821,VP122822,VP122823,VP122824		
CCC			
Internal Standard/PEM			
ICV/I.BLK	VP122825		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampled	Data File Name	Date-Time	Operator	Status
1	BFB	VX037642.D	11 Sep 2023 15:14	JC/MD	Ok
2	VSTDCCC050	VX037643.D	11 Sep 2023 15:44	JC/MD	Ok,M
3	IBLK	VX037644.D	11 Sep 2023 16:11	JC/MD	Ok
4	VSTDICC001	VX037645.D	11 Sep 2023 17:00	JC/MD	Not Ok
5	VSTDICC005	VX037646.D	11 Sep 2023 17:24	JC/MD	Not Ok
6	VSTDICC020	VX037647.D	11 Sep 2023 17:48	JC/MD	Ok,M
7	VSTDICCC050	VX037648.D	11 Sep 2023 18:13	JC/MD	Ok,M
8	VSTDICC100	VX037649.D	11 Sep 2023 18:37	JC/MD	Ok,M
9	VSTDICC150	VX037650.D	11 Sep 2023 19:01	JC/MD	Ok,M
10	IBLK	VX037651.D	11 Sep 2023 19:26	JC/MD	Ok
11	VSTDICC005	VX037652.D	11 Sep 2023 20:14	JC/MD	Ok,M
12	VSTDICC001	VX037653.D	11 Sep 2023 20:38	JC/MD	Ok,M
13	VSTDICV050	VX037654.D	11 Sep 2023 21:27	JC/MD	Ok,M

M : Manual Integration

Daily Analysis Runlog For Sequence/QC Batch ID # VX091223

Review By	John Carlone	Review On	9/13/2023 10:00:36 AM
Supervise By	Maresh Dadoda	Supervise On	9/13/2023 4:54:05 PM
SubDirectory	VX091223	HP Acquire Method	HP Processing Method 82X091123W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP122826		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP122827,VP122828		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX037655.D	12 Sep 2023 08:41	JC/MD	Ok
2	VSTDCCC050	VX037656.D	12 Sep 2023 09:54	JC/MD	Ok,M
3	VX0912MBL01	VX037657.D	12 Sep 2023 10:22	JC/MD	Ok
4	VX0912WBL01	VX037658.D	12 Sep 2023 10:46	JC/MD	Ok
5	VX0912WBS01	VX037659.D	12 Sep 2023 11:18	JC/MD	Ok,M
6	VX0912WBSD01	VX037660.D	12 Sep 2023 11:45	JC/MD	Ok,M
7	O4327-01	VX037661.D	12 Sep 2023 12:09	JC/MD	Ok
8	O4296-03DL	VX037662.D	12 Sep 2023 12:33	JC/MD	Ok,M
9	O4297-01	VX037663.D	12 Sep 2023 12:58	JC/MD	Ok
10	O4297-03	VX037664.D	12 Sep 2023 13:22	JC/MD	Ok
11	O4297-04	VX037665.D	12 Sep 2023 13:46	JC/MD	Ok
12	O4373-06	VX037666.D	12 Sep 2023 14:11	JC/MD	ReRun
13	O4373-07	VX037667.D	12 Sep 2023 14:35	JC/MD	Ok
14	O4373-02	VX037668.D	12 Sep 2023 15:00	JC/MD	Ok
15	O4373-03	VX037669.D	12 Sep 2023 15:24	JC/MD	Dilution
16	O4373-04	VX037670.D	12 Sep 2023 15:48	JC/MD	ReRun
17	O4256-03ME	VX037671.D	12 Sep 2023 16:13	JC/MD	Ok
18	O4373-01	VX037672.D	12 Sep 2023 16:37	JC/MD	Dilution
19	O4394-11	VX037673.D	12 Sep 2023 17:02	JC/MD	ReRun
20	O4394-12	VX037674.D	12 Sep 2023 17:26	JC/MD	Ok
21	O4397-09	VX037675.D	12 Sep 2023 17:51	JC/MD	Ok
22	O4397-10	VX037676.D	12 Sep 2023 18:15	JC/MD	Ok
23	O4373-05	VX037677.D	12 Sep 2023 18:39	JC/MD	Ok

Daily Analysis Runlog For Sequence/QC Batch ID # VX091223

Review By	John Carlone	Review On	9/13/2023 10:00:36 AM		
Supervise By	Maresh Dadoda	Supervise On	9/13/2023 4:54:05 PM		
SubDirectory	VX091223	HP Acquire Method		HP Processing Method	82X091123W.M
STD. NAME	STD REF.#				
Tune/Reschk Initial Calibration Stds	VP122826				
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP122827,VP122828				
24	O4287-02MS	VX037678.D	12 Sep 2023 19:04	JC/MD	Not Ok
25	O4287-03MSD	VX037679.D	12 Sep 2023 19:28	JC/MD	Not Ok
26	VX0912MBS01	VX037680.D	12 Sep 2023 19:52	JC/MD	Ok,M
27	VSTDCCC050	VX037681.D	12 Sep 2023 20:17	JC/MD	Ok,M

M : Manual Integration

Daily Analysis Runlog For Sequence/QC Batch ID # VX091323

Review By	John Carlone	Review On	9/14/2023 11:12:48 AM
Supervise By	Maresh Dadoda	Supervise On	9/14/2023 5:39:00 PM
SubDirectory	VX091323	HP Acquire Method	HP Processing Method 82X091123W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP122848,VP122873		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP122849,VP122850,VP122874,VP122875		

Sr#	SampleID	Data File Name	Date-Time	Operator	Status
1	BFB	VX037682.D	13 Sep 2023 08:35	JC/MD	Ok
2	VSTDCCC050	VX037683.D	13 Sep 2023 10:19	JC/MD	Ok,M
3	VX0913MBL01	VX037684.D	13 Sep 2023 10:48	JC/MD	Ok
4	VX0913WBL01	VX037685.D	13 Sep 2023 11:12	JC/MD	Ok
5	VX0913WBS01	VX037686.D	13 Sep 2023 11:36	JC/MD	Ok,M
6	VX0913WBSD01	VX037687.D	13 Sep 2023 12:03	JC/MD	Ok,M
7	O4373-01DL	VX037688.D	13 Sep 2023 12:27	JC/MD	Ok
8	O4373-03DL	VX037689.D	13 Sep 2023 12:51	JC/MD	Ok
9	O4373-04	VX037690.D	13 Sep 2023 13:16	JC/MD	Ok
10	O4394-11	VX037691.D	13 Sep 2023 13:40	JC/MD	Ok
11	O4373-06	VX037692.D	13 Sep 2023 14:04	JC/MD	Ok
12	O4352-03	VX037693.D	13 Sep 2023 14:29	JC/MD	Ok
13	O4353-02	VX037694.D	13 Sep 2023 14:53	JC/MD	Ok
14	O4353-03	VX037695.D	13 Sep 2023 15:18	JC/MD	Ok
15	O4327-03	VX037696.D	13 Sep 2023 15:42	JC/MD	Not Ok
16	O4352-01	VX037697.D	13 Sep 2023 16:06	JC/MD	Ok
17	O4352-02	VX037698.D	13 Sep 2023 16:31	JC/MD	Ok
18	O4353-01	VX037699.D	13 Sep 2023 16:55	JC/MD	Ok
19	O4351-11	VX037700.D	13 Sep 2023 17:20	JC/MD	Ok
20	O4351-12	VX037701.D	13 Sep 2023 17:44	JC/MD	Ok
21	O4356-01	VX037702.D	13 Sep 2023 18:09	JC/MD	Ok
22	O4391-01	VX037703.D	13 Sep 2023 18:33	JC/MD	Ok
23	PB155499TB	VX037704.D	13 Sep 2023 18:57	JC/MD	Ok

Daily Analysis Runlog For Sequence/QC Batch ID # VX091323

Review By	John Carlone	Review On	9/14/2023 11:12:48 AM		
Supervise By	Maresh Dadoda	Supervise On	9/14/2023 5:39:00 PM		
SubDirectory	VX091323	HP Acquire Method		HP Processing Method	82X091123W.M
STD. NAME	STD REF.#				
Tune/Reschk Initial Calibration Stds	VP122848,VP122873				
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP122849,VP122850,VP122874,VP122875				
24	O4373-08MS	VX037705.D	13 Sep 2023 19:21	JC/MD	Ok,M
25	O4373-09MSD	VX037706.D	13 Sep 2023 19:46	JC/MD	Ok,M
26	VSTDCCC050	VX037707.D	13 Sep 2023 20:10	JC/MD	Ok,M
27	BFB	VX037708.D	14 Sep 2023 02:10	JC/MD	Ok
28	VSTDCCC050	VX037709.D	14 Sep 2023 02:34	JC/MD	Ok,M
29	VX0913WBL02	VX037710.D	14 Sep 2023 03:46	JC/MD	Ok
30	VX0913WBS02	VX037711.D	14 Sep 2023 04:11	JC/MD	Ok,M
31	VX0913WBSD02	VX037712.D	14 Sep 2023 04:35	JC/MD	Not Ok
32	O4399-02	VX037713.D	14 Sep 2023 06:11	JC/MD	Ok
33	O4399-04	VX037714.D	14 Sep 2023 06:35	JC/MD	Ok,M
34	O4399-06	VX037715.D	14 Sep 2023 06:59	JC/MD	Ok
35	O4400-02	VX037716.D	14 Sep 2023 07:24	JC/MD	Ok
36	O4401-03	VX037717.D	14 Sep 2023 07:48	JC/MD	Ok
37	VSTDCCC050	VX037718.D	14 Sep 2023 08:12	JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX091123

Review By	John Carlone	Review On	9/12/2023 10:28:55 AM				
Supervise By	Mahesh Dadoda	Supervise On	9/12/2023 6:31:24 PM				
SubDirectory	VX091123	HP Acquire Method	HP Processing Method		82X091123W.M		
STD. NAME		STD REF.#					
Tune/Reschk		VP122811					
Initial Calibration Stds		VP122819,VP122820,VP122821,VP122822,VP122823,VP122824					
CCC							
Internal Standard/PEM							
ICV/I.BLK		VP122825					
Surrogate Standard							
MS/MSD Standard							
LCS Standard							

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX037642.D	11 Sep 2023 15:14		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX037643.D	11 Sep 2023 15:44		JC/MD	Ok,M
3	IBLK	IBLK	VX037644.D	11 Sep 2023 16:11		JC/MD	Ok
4	VSTDICC001	VSTDICC001	VX037645.D	11 Sep 2023 17:00	not used	JC/MD	Not Ok
5	VSTDICC005	VSTDICC005	VX037646.D	11 Sep 2023 17:24	Not used	JC/MD	Not Ok
6	VSTDICC020	VSTDICC020	VX037647.D	11 Sep 2023 17:48	for Non DOD	JC/MD	Ok,M
7	VSTDICCC050	VSTDICCC050	VX037648.D	11 Sep 2023 18:13	LR- 11 and 20	JC/MD	Ok,M
8	VSTDICC100	VSTDICC100	VX037649.D	11 Sep 2023 18:37		JC/MD	Ok,M
9	VSTDICC150	VSTDICC150	VX037650.D	11 Sep 2023 19:01		JC/MD	Ok,M
10	IBLK	IBLK	VX037651.D	11 Sep 2023 19:26		JC/MD	Ok
11	VSTDICC005	VSTDICC005	VX037652.D	11 Sep 2023 20:14		JC/MD	Ok,M
12	VSTDICC001	VSTDICC001	VX037653.D	11 Sep 2023 20:38		JC/MD	Ok,M
13	VSTDICV050	ICVVX091123	VX037654.D	11 Sep 2023 21:27		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX091223

Review By	John Carlone	Review On	9/13/2023 10:00:36 AM				
Supervise By	Mahesh Dadoda	Supervise On	9/13/2023 4:54:05 PM				
SubDirectory	VX091223	HP Acquire Method	HP Processing Method	82X091123W.M			
STD. NAME		STD REF.#					
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard		VP122826					
		VP122827,VP122828					
Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX037655.D	12 Sep 2023 08:41		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX037656.D	12 Sep 2023 09:54	pH#Lot#V12668	JC/MD	Ok,M
3	VX0912MBL01	VX0912MBL01	VX037657.D	12 Sep 2023 10:22		JC/MD	Ok
4	VX0912WBL01	VX0912WBL01	VX037658.D	12 Sep 2023 10:46		JC/MD	Ok
5	VX0912WBS01	VX0912WBS01	VX037659.D	12 Sep 2023 11:18		JC/MD	Ok,M
6	VX0912WBSD01	VX0912WBSD01	VX037660.D	12 Sep 2023 11:45		JC/MD	Ok,M
7	O4327-01	MW-10A-9.5	VX037661.D	12 Sep 2023 12:09	vial A pH<2	JC/MD	Ok
8	O4296-03DL	NGTW3DL	VX037662.D	12 Sep 2023 12:33	vial B pH<2	JC/MD	Ok,M
9	O4297-01	1728	VX037663.D	12 Sep 2023 12:58	vial B pH<2	JC/MD	Ok
10	O4297-03	713-G-DIP	VX037664.D	12 Sep 2023 13:22	vial A pH<2	JC/MD	Ok
11	O4297-04	1731-DRIP	VX037665.D	12 Sep 2023 13:46	vial A pH<2	JC/MD	Ok
12	O4373-06	1046-FB090623	VX037666.D	12 Sep 2023 14:11	vial A pH<2, FB, hit of com#16 & 25	JC/MD	ReRun
13	O4373-07	1047-TB-090623	VX037667.D	12 Sep 2023 14:35	vial A pH<2 TB	JC/MD	Ok
14	O4373-02	1042-MW-02(23.8)	VX037668.D	12 Sep 2023 15:00	vial A pH<2	JC/MD	Ok
15	O4373-03	1043-MW-03A(17)	VX037669.D	12 Sep 2023 15:24	vial A pH<2 Need 10X	JC/MD	Dilution
16	O4373-04	1044-MW-11(15)	VX037670.D	12 Sep 2023 15:48	vial A pH<2 E flag in previous sample	JC/MD	ReRun
17	O4256-03ME	MW-2ME	VX037671.D	12 Sep 2023 16:13		JC/MD	Ok
18	O4373-01	1041-MW-01(23)	VX037672.D	12 Sep 2023 16:37	vial A pH<2 Need 10X	JC/MD	Dilution

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX091223

Review By	John Carlone	Review On	9/13/2023 10:00:36 AM
Supervise By	Maresh Dadoda	Supervise On	9/13/2023 4:54:05 PM
SubDirectory	VX091223	HP Acquire Method	HP Processing Method 82X091123W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP122826		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP122827,VP122828		
19	O4394-11	FB9/8	VX037673.D 12 Sep 2023 17:02 vial A pH<2 FB, E flag in previous sample JC/MD ReRun
20	O4394-12	TB	VX037674.D 12 Sep 2023 17:26 vial A pH<2 TB JC/MD Ok
21	O4397-09	FB-9-11	VX037675.D 12 Sep 2023 17:51 vial A pH<2 FB JC/MD Ok
22	O4397-10	TB	VX037676.D 12 Sep 2023 18:15 vial A pH<2 TB JC/MD Ok
23	O4373-05	1045-MW-17A(15.5)	VX037677.D 12 Sep 2023 18:39 vial A pH<2 JC/MD Ok
24	O4287-02MS	MW-11B-37.5-090123M	VX037678.D 12 Sep 2023 19:04 Internal standard and surrogate fail JC/MD Not Ok
25	O4287-03MSD	MW-11B-37.5-090123M	VX037679.D 12 Sep 2023 19:28 Internal standard and surrogate fail JC/MD Not Ok
26	VX0912MBS01	VX0912MBS01	VX037680.D 12 Sep 2023 19:52 JC/MD Ok,M
27	VSTDCCC050	VSTDCCC050EC	VX037681.D 12 Sep 2023 20:17 JC/MD Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX091323

Review By	John Carlone	Review On	9/14/2023 11:12:48 AM				
Supervise By	Mahesh Dadoda	Supervise On	9/14/2023 5:39:00 PM				
SubDirectory	VX091323	HP Acquire Method	HP Processing Method		82X091123W.M		
STD. NAME		STD REF.#					
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard		VP122848,VP122873					
		VP122849,VP122850,VP122874,VP122875					
Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX037682.D	13 Sep 2023 08:35		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX037683.D	13 Sep 2023 10:19	pH#Lot#V12668	JC/MD	Ok,M
3	VX0913MBL01	VX0913MBL01	VX037684.D	13 Sep 2023 10:48		JC/MD	Ok
4	VX0913WBL01	VX0913WBL01	VX037685.D	13 Sep 2023 11:12		JC/MD	Ok
5	VX0913WBS01	VX0913WBS01	VX037686.D	13 Sep 2023 11:36		JC/MD	Ok,M
6	VX0913WBSD01	VX0913WBSD01	VX037687.D	13 Sep 2023 12:03		JC/MD	Ok,M
7	O4373-01DL	1041-MW-01(23)DL	VX037688.D	13 Sep 2023 12:27	vial B pH<2	JC/MD	Ok
8	O4373-03DL	1043-MW-03A(17)DL	VX037689.D	13 Sep 2023 12:51	vial B pH<2	JC/MD	Ok
9	O4373-04	1044-MW-11(15)	VX037690.D	13 Sep 2023 13:16	vial B pH<2	JC/MD	Ok
10	O4394-11	FB9/8	VX037691.D	13 Sep 2023 13:40	vial B pH<2	JC/MD	Ok
11	O4373-06	1046-FB090623	VX037692.D	13 Sep 2023 14:04	vial B pH<2 hit confirm, FB	JC/MD	Ok
12	O4352-03	TB-02-090723	VX037693.D	13 Sep 2023 14:29	vial B pH<2 TB	JC/MD	Ok
13	O4353-02	EB01-090723	VX037694.D	13 Sep 2023 14:53	vial B pH<2 EB	JC/MD	Ok
14	O4353-03	FB01-090723	VX037695.D	13 Sep 2023 15:18	vial B pH<2 FB	JC/MD	Ok
15	O4327-03	BR-01-170-090623	VX037696.D	13 Sep 2023 15:42	vial B pH<2 Not match	JC/MD	Not Ok
16	O4352-01	OWBR-01-170-090723	VX037697.D	13 Sep 2023 16:06	vial B pH<2	JC/MD	Ok
17	O4352-02	OWBR-02-170-090723	VX037698.D	13 Sep 2023 16:31	vial B pH<2	JC/MD	Ok
18	O4353-01	MW-12A-15.5-090723	VX037699.D	13 Sep 2023 16:55	vial B pH<2	JC/MD	Ok
19	O4351-11	FB	VX037700.D	13 Sep 2023 17:20	vial A pH<2 FB	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX091323

Review By	John Carlone	Review On	9/14/2023 11:12:48 AM
Supervise By	Mahesh Dadoda	Supervise On	9/14/2023 5:39:00 PM
SubDirectory	VX091323	HP Acquire Method	HP Processing Method 82X091123W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP122848,VP122873		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP122849,VP122850,VP122874,VP122875		
20	O4351-12	TB	VX037701.D 13 Sep 2023 17:44 vial A pH<2 TB JC/MD Ok
21	O4356-01	DISCHARGE-BAY-STR	VX037702.D 13 Sep 2023 18:09 vial A pH<2 JC/MD Ok
22	O4391-01	GW-26-WEST-MAIN-S	VX037703.D 13 Sep 2023 18:33 vial A pH<2 JC/MD Ok
23	PB155499TB	PB155499TB	VX037704.D 13 Sep 2023 18:57 JC/MD Ok
24	O4373-08MS	1042-MW-02(23.8)MS	VX037705.D 13 Sep 2023 19:21 vial A pH<2 Surrogate Fail JC/MD Ok,M
25	O4373-09MSD	1042-MW-02(23.8)MSD	VX037706.D 13 Sep 2023 19:46 vial A pH<2 Surrogate Fail JC/MD Ok,M
26	VSTDCCC050	VSTDCCC050EC	VX037707.D 13 Sep 2023 20:10 JC/MD Ok,M
27	BFB	BFB	VX037708.D 14 Sep 2023 02:10 JC/MD Ok
28	VSTDCCC050	VSTDCCC050	VX037709.D 14 Sep 2023 02:34 JC/MD Ok,M
29	VX0913WBL02	VX0913WBL02	VX037710.D 14 Sep 2023 03:46 JC/MD Ok
30	VX0913WBS02	VX0913WBS02	VX037711.D 14 Sep 2023 04:11 JC/MD Ok,M
31	VX0913WBSD02	VX0913WBSD02	VX037712.D 14 Sep 2023 04:35 JC/MD Not Ok
32	O4399-02	72-11930	VX037713.D 14 Sep 2023 06:11 vial A pH#5.0 JC/MD Ok
33	O4399-04	72-11985	VX037714.D 14 Sep 2023 06:35 vial A pH#5.0 JC/MD Ok,M
34	O4399-06	360	VX037715.D 14 Sep 2023 06:59 vial A pH#5.0 JC/MD Ok
35	O4400-02	JOYCE-KILMER-SOIL	VX037716.D 14 Sep 2023 07:24 vial A pH#5.0 JC/MD Ok
36	O4401-03	MH110	VX037717.D 14 Sep 2023 07:48 vial A pH#5.0 JC/MD Ok
37	VSTDCCC050	VSTDCCC050EC	VX037718.D 14 Sep 2023 08:12 JC/MD Ok,M

M : Manual Integration

Prep Standard - Chemical Standard Summary**Order ID :** O4373**Test :** VOC-TCLVOA-10**Prepbatch ID :****Sequence ID/Qc Batch ID:** vx091223,vx091323,**Standard ID :**

VP120540,VP121045,VP121396,VP121576,VP121691,VP122520,VP122528,VP122826,VP122827,VP122828,VP122848,VP122849,VP122850,VP122873,VP122874,VP122875,

Chemical ID :

V10601,V12012,V12082,V12764,V12767,V12768,V12784,V12787,V12788,V12789,V13090,V13091,V13200,V13201,V13345,V13346,V13441,V13496,V13499,V13528,V13529,V13532,V13560,V13561,V13641,V13644,V13649,V13651,V13655,V13658,V13929,V13930,V13931,V13932,W2606,

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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	VP120540	05/16/2023	11/16/2023	Semsettin Yesilyurt	None	None	Maresh Dadoda
05/17/2023								

FROM 1.00000ml of V12768 + 1.50000ml of V12764 + 1.50000ml of V12767 + 16.00000ml of V13658 = Final Quantity: 20.000 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	VP121045	06/08/2023	12/08/2023	Semsettin Yesilyurt	None	None	Maresh Dadoda
06/09/2023								

FROM 0.50000ml of V10601 + 49.50000ml of V13655 = Final Quantity: 50.000 ml

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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	VP121396	06/26/2023	12/26/2023	Semsettin Yesilyurt	None	None	Maresh Dadoda
06/28/2023								

FROM 0.80000ml of V12012 + 49.20000ml of V13641 = 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>
247	8260 Internal Standard, 250PPM	VP121576	07/07/2023	12/26/2023	Semsettin Yesilyurt	None	None	Maresh Dadoda
07/07/2023								

FROM 0.25000ml of V12082 + 24.75000ml of V13644 = Final Quantity: 25.000 ml

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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>
1810	8260 Working Std(2-CVE)-800ppm	VP121691	07/13/2023	01/05/2024	Semsettin Yesilyurt	None	None	John Carlone
07/17/2023								
<u>FROM</u>	0.20000ml of V12784 + 1.00000ml of V12787 + 1.00000ml of V12788 + 1.00000ml of V12789 + 36.80000ml of V13644 = 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>
51	8260 Working STD (Acrolein) -first source, 800PPM	VP122520	08/25/2023	09/24/2023	Semsettin Yesilyurt	None	None	Mahesh Dadoda
09/01/2023								
<u>FROM</u>	1.00000ml of V13929 + 1.00000ml of V13930 + 1.00000ml of V13931 + 1.00000ml of V13932 + 21.00000ml of V13649 = Final Quantity: 25.000 ml							

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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>
257	8260 Calibration Working STD Mix-First source, 160PPM	VP122528	08/25/2023	10/03/2023	Semsettin Yesilyurt	None	None	Maresh Dadoda 09/01/2023

FROM 0.40000ml of V13441 + 0.50000ml of V13091 + 0.50000ml of V13201 + 0.50000ml of V13346 + 0.50000ml of V13499 + 0.50000ml of V13561 + 1.00000ml of V13528 + 1.50000ml of V13090 + 1.50000ml of V13200 + 1.50000ml of V13345 + 1.50000ml of V13496 + 1.50000ml of V13529 + 1.50000ml of V13532 + 1.50000ml of V13560 + 10.06000ml of V13651 = 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	VP122826	09/12/2023	09/13/2023	John Carlone	None	None	Maresh Dadoda 09/15/2023

FROM 39.98400ml of W2606 + 0.01600ml of VP121045 = Final Quantity: 40.000 ml

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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	VP122827	09/12/2023	09/13/2023	John Carlone	None	None	Maresh Dadoda
09/15/2023								
<u>FROM</u>	39.94450ml of W2606 + 0.00500ml of VP120540 + 0.00500ml of VP121396 + 0.00800ml of VP121576 + 0.01250ml of VP121691 + 0.01250ml of VP122520 + 0.01250ml of VP122528 = 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	VP122828	09/12/2023	09/13/2023	John Carlone	None	None	Maresh Dadoda
09/15/2023								
<u>FROM</u>	39.94450ml of W2606 + 0.00500ml of VP120540 + 0.00500ml of VP121396 + 0.00800ml of VP121576 + 0.01250ml of VP121691 + 0.01250ml of VP122520 + 0.01250ml of VP122528 = Final Quantity: 40.000 ml							

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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	VP122848	09/13/2023	09/14/2023	John Carlone	None	None	Maresh Dadoda
09/15/2023								

FROM 39.98400ml of W2606 + 0.01600ml of VP121045 = 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	VP122849	09/13/2023	09/14/2023	John Carlone	None	None	Maresh Dadoda
09/15/2023								

FROM 39.94450ml of W2606 + 0.00500ml of VP120540 + 0.00500ml of VP121396 + 0.00800ml of VP121576 + 0.01250ml of VP121691 + 0.01250ml of VP122520 + 0.01250ml of VP122528 = Final Quantity: 40.000 ml

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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	VP122850	09/13/2023	09/14/2023	John Carlone	None	None	Maresh Dadoda
09/15/2023								

FROM 39.94450ml of W2606 + 0.00500ml of VP120540 + 0.00500ml of VP121396 + 0.00800ml of VP121576 + 0.01250ml of VP121691 + 0.01250ml of VP122520 + 0.01250ml of VP122528 = 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	VP122873	09/13/2023	09/14/2023	John Carlone	None	None	Maresh Dadoda
09/15/2023								

FROM 39.98400ml of W2606 + 0.01600ml of VP121045 = Final Quantity: 40.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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	VP122874	09/13/2023	09/14/2023	John Carlone	None	None	Maresh Dadoda
09/15/2023								
<u>FROM</u>	39.94450ml of W2606 + 0.00500ml of VP120540 + 0.00500ml of VP121396 + 0.00800ml of VP121576 + 0.01250ml of VP121691 + 0.01250ml of VP122520 + 0.01250ml of VP122528 = 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	VP122875	09/13/2023	09/14/2023	John Carlone	None	None	Maresh Dadoda
09/15/2023								
<u>FROM</u>	39.94450ml of W2606 + 0.00500ml of VP120540 + 0.00500ml of VP121396 + 0.00800ml of VP121576 + 0.01250ml of VP121691 + 0.01250ml of VP122520 + 0.01250ml of VP122528 = 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 #
Restek	30067 / BFB tuning solution	A0147670	12/12/2023	12/12/2022 / SAM	01/09/2020 / sam	V10601

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0173020	12/26/2023	06/26/2023 / SAM	06/04/2021 / SAM	V12012

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0173600	12/26/2023	06/26/2023 / SAM	06/22/2021 / SAM	V12082

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0176219	11/16/2023	05/16/2023 / SAM	03/25/2022 / SAM	V12764

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0176219	11/16/2023	05/16/2023 / SAM	03/25/2022 / SAM	V12767

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0176219	11/16/2023	05/16/2023 / SAM	03/25/2022 / SAM	V12768

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	01/24/2023 / SAM	03/30/2022 / SAM	V12784

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	01/13/2024	07/13/2023 / SAM	03/30/2022 / SAM	V12787

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	01/13/2024	07/13/2023 / SAM	03/30/2022 / SAM	V12788

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	01/13/2024	07/13/2023 / SAM	03/30/2022 / SAM	V12789

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	A0187424	01/31/2024	08/11/2023 / SAM	08/12/2022 / SAM	V13090

LOTS

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	A0187424	01/31/2024	08/11/2023 / SAM	08/12/2022 / SAM	V13091

LOTS

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0186868	12/31/2023	08/11/2023 / SAM	09/01/2022 / SAM	V13200

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	A0186868	12/31/2023	08/11/2023 / SAM	09/01/2022 / SAM	V13201

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	02/11/2024	08/11/2023 / SAM	11/18/2022 / SAM	V13345

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	02/11/2024	08/11/2023 / SAM	11/18/2022 / SAM	V13346

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	02/11/2024	08/11/2023 / SAM	01/23/2023 / SAM	V13441

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix, 500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0188819	02/11/2024	08/11/2023 / SAM	01/27/2023 / SAM	V13496

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0188819	02/11/2024	08/11/2023 / SAM	01/27/2023 / SAM	V13499

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	A0190554	02/11/2024	08/11/2023 / SAM	01/27/2023 / SAM	V13528

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	A0190554	02/11/2024	08/11/2023 / SAM	01/27/2023 / SAM	V13529

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	A0190554	02/11/2024	08/11/2023 / SAM	01/27/2023 / SAM	V13532

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	042921	02/11/2024	08/11/2023 / SAM	01/30/2023 / SAM	V13560

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	042921	02/11/2024	08/11/2023 / SAM	01/30/2023 / SAM	V13561

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)	22C2862010	12/26/2023	06/26/2023 / SAM	02/23/2023 / SAM	V13641

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)	22C2862010	01/05/2024	07/05/2023 / SAM	02/23/2023 / SAM	V13644

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)	22C2862010	02/25/2024	02/25/2023 / bin	02/23/2023 / SAM	V13649

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)	22C2862010	02/15/2024	08/15/2023 / pedro	02/23/2023 / SAM	V13651

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)	22C2862010	12/08/2023	06/08/2023 / SAM	02/23/2023 / SAM	V13655

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)	22C2862010	11/16/2023	05/16/2023 / SAM	02/23/2023 / SAM	V13658

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	082423	09/24/2023	08/25/2023 / SAM	08/25/2023 / SAM	V13929

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	082423	09/24/2023	08/25/2023 / SAM	08/25/2023 / SAM	V13930

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	082423	09/24/2023	08/25/2023 / SAM	08/25/2023 / SAM	V13931

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	082423	09/24/2023	08/25/2023 / SAM	08/25/2023 / SAM	V13932

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	10/24/2024	10/24/2019 / apatel	10/24/2019 / apatel	W2606

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

 **avantor™**



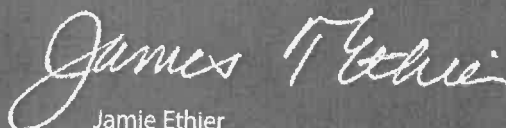
Material No.: 9077-02
Batch No.: 22C2862010
Manufactured Date: 2022-02-15
Expiration Date: 2025-02-14
Revision No.: 0

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	0.3
Titration Base (μeq/g)	≤ 0.10	< 0.02
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

 **avantors**TM



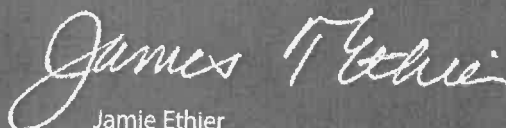
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Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

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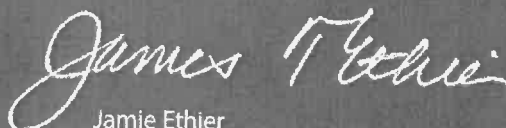
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For Purge and Trap Analysis

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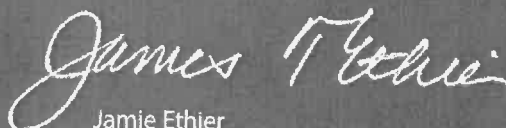
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Certificate of Analysis

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For Purge and Trap Analysis

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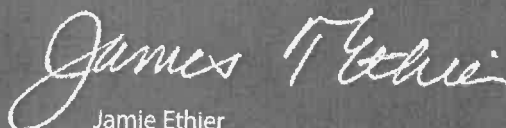
Material No.: 9077-02
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Certificate of Analysis

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Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

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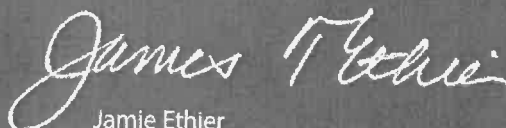
Material No.: 9077-02
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Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality



CERTIFIED WEIGHT REPORT

Part Number: **95317**
Lot Number: **042921**
Description: **Universal VOA Megamix**
69 components
Expiration Date: 04/29/24
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): **Methanol**
Lot#: **DY186-USQ6**

<i>Eli Aliaga</i>		042921
Formulated By:	Eli Aliaga	DATE
<i>Pedro L. Rantas</i>		042921
Reviewed By:	Pedro L. Rantas	DATE

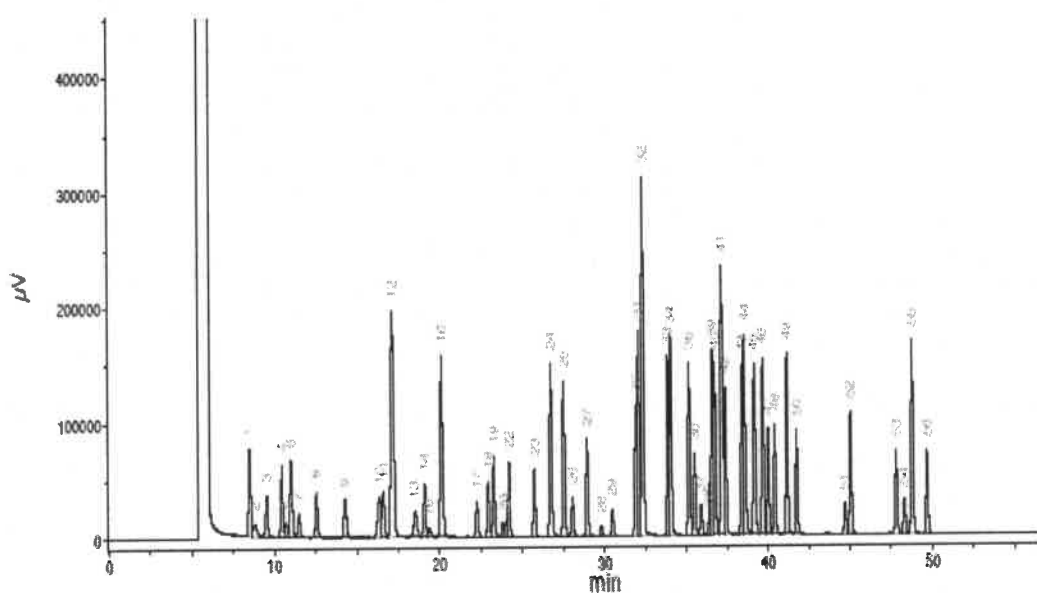
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Compound	(RM#)	Lot	Dr.	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Expanded	SDS Information (Solvent Safety Info. On Attached pg.)		
	Part Number	Number	Factor	Vol. (mL)	Conc.(µg/mL)	Conc (µg/mL)	(%)	Uncertainty	Pipette (mL)	Weight(g)	Weight(g)	Conc (µg/mL)	Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	060812	NA	NA	NA	2000	99.9	0.2	NA	0.20021	0.20041	2002.0	8.1	75-05-8	40 ppm (70mg/m3/8H)	or-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20203	0.20233	2003.0	8.2	107-05-1	1 ppm (3mg/m3/8H)	or-rat 700mg/kg
3. Carbon disulphide	(0080)	MKCD9804	NA	NA	NA	2000	100	0.2	NA	0.20001	0.20015	2001.4	8.1	75-15-0	4 ppm (12mg/m3) (skin)	or-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1186)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21054	0.21080	2000.6	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP8041V	NA	NA	NA	2000	96.5	0.2	NA	0.20726	0.20751	2002.4	8.4	110-57-6	N/A	N/A
6. Diethyl ether (Ethyl ether)	(0153)	SHBK1918	NA	NA	NA	2000	99.9	0.2	NA	0.20023	0.20048	2002.3	8.1	60-29-7	400ppm (1200mg/m3/8H)	or-rat 1215mg/kg
7. Ethyl methacrylate	(0381)	08128PX	NA	NA	NA	2000	99	0.2	NA	0.20203	0.20230	2002.7	8.2	97-63-2	N/A	or-rat 14800mg/kg
8. Iodomethane	(0488)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20101	0.20130	2002.8	8.1	74-88-4	5 ppm (20mg/m3/8H) (skin)	or-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20101	0.20123	2002.1	8.1	78-83-1	60 ppm (150mg/m3/8H)	or-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20203	0.20220	2001.7	8.2	126-98-7	1 ppm (3mg/m3/8H) (skin)	or-rat 130mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20021	0.20046	2002.5	8.1	96-33-3	10 ppm (35mg/m3/8H) (skin)	or-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20021	0.20048	2002.7	8.1	80-62-6	100 ppm (410mg/m3/8H)	or-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20203	0.20216	2001.5	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	0.20556	0.20586	2001.0	8.3	79-48-9	10 ppm (35mg/m3/8H)	or-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20409	0.20418	2000.9	8.2	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20203	0.20221	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	or-rat 43kg/kg
17. Bromodichloromethane	35171	100220	0.05	5.00	40018.8	2000	NA	NA	0.017	NA	NA	2000.8	18.4	75-27-4	N/A	or-rat 915mg/kg
18. Dibromochloromethane	35171	100220	0.05	5.00	40007.7	2000	NA	NA	0.017	NA	NA	2000.3	18.4	124-48-1	N/A	or-rat 846mg/kg
19. cis-1,2-Dichloroethane	35171	100220	0.05	5.00	40012.4	2000	NA	NA	0.017	NA	NA	2000.6	18.4	150-99-2	N/A	N/A
20. trans-1,2-Dichloroethane	35171	100220	0.05	5.00	40005.6	2000	NA	NA	0.017	NA	NA	2000.2	18.4	156-60-5	N/A	or-rat 1235mg/kg
21. Methylene chloride	35171	100220	0.05	5.00	40013.9	2000	NA	NA	0.017	NA	NA	2000.6	18.4	75-09-2	500 ppm	or-rat 820mg/kg
22. 1,1-Dichloroethene	32251	031821	0.10	10.00	20009.1	2000	NA	NA	0.042	NA	NA	2000.8	19.3	75-35-4	1 ppm (4mg/m3/8H)	or-rat 200mg/kg
23. Bromoform	95321	010419	0.10	10.00	20001.7	2000	NA	NA	0.042	NA	NA	2000.1	19.3	75-25-2	0.5 ppm (5mg/m3) (skin)	or-rat 933mg/kg
24. Carbon tetrachloride	95321	010419	0.10	10.00	20001.3	2000	NA	NA	0.042	NA	NA	2000.0	19.2	56-23-5	2 ppm (12.6mg/m3/8H)	or-rat 2350mg/kg
25. Chloroform	95321	010419	0.10	10.00	20001.8	2000	NA	NA	0.042	NA	NA	2000.1	19.2	67-66-3	60 ppm (240mg/m3) (CL)	or-rat 900mg/kg
26. Dibromomethane	95321	010419	0.10	10.00	20001.7	2000	NA	NA	0.042	NA	NA	2000.1	19.3	74-95-3	N/A	or-rat 108mg/kg
27. 1,1-Dichloroethane	95321	010419	0.10	10.00	20000.8	2000	NA	NA	0.042	NA	NA	2000.0	19.3	75-34-3	100 ppm	or-rat 725mg/kg
28. 2,2-Dichloropropane	95321	010419	0.10	10.00	20002.1	2000	NA	NA	0.042	NA	NA	2000.1	19.3	594-20-7	N/A	N/A
29. Tetrachloroethane	95321	010419	0.10	10.00	20002.2	2000	NA	NA	0.042	NA	NA	2000.1	19.3	127-18-4	25 ppm (170mg/m3/8H) (Inhal)	or-rat 2620mg/kg
30. 1,1,1-Trichloroethane	95321	010419	0.10	10.00	20001.7	2000	NA	NA	0.042	NA	NA	2000.1	19.3	71-55-6	350 ppm (1800mg/m3/8H)	or-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	011421	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	2000.0	18.4	96-12-9	0.001 ppm	or-rat 170mg/kg
32. 1,2-Dibromomethane	35161	011421	0.05	5.00	40003.9	2000	NA	NA	0.017	NA	NA	2000.1	18.4	108-83-4	20 ppm (8H)	or-rat 108mg/kg
33. 1,2-Dichloroethane	35161	011421	0.05	5.00	40004.9	2000	NA	NA	0.017	NA	NA	2000.1	18.4	107-06-2	50 ppm (8H)	or-rat 670mg/kg
34. 1,2-Dichloropropane	35161	011421	0.05	5.00	40002.2	2000	NA	NA	0.017	NA	NA	2000.0	18.4	78-87-5	75 ppm (350mg/m3/8H)	or-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	011421	0.05	5.00	40013.9	2000	NA	NA	0.017	NA	NA	2000.6	18.4	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	011421	0.05	5.00	40015.0	2000	NA	NA	0.017	NA	NA	2000.7	28.1	563-56-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	011421	0.05	5.00	40004.4	2000	NA	NA	0.017	NA	NA	2000.1	18.4	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	011421	0.05	5.00	40009.1	2000	NA	NA	0.017	NA	NA	2000.4	18.5	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	011421	0.05	5.00	40003.5	2000	NA	NA	0.017	NA	NA	2000.1	28.4	87-68-3	0.02 ppm (0.24mg/m3/8H)	or-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	011421	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.5	18.4	630-20-6	N/A	or-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	011421	0.05	5.00	40011.0	2000	NA	NA	0.017	NA	NA	2000.5	18.4	79-34-5	5 ppm (35mg/m3/8H) (skin)	or-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	011421	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.9	18.4	79-00-5	10 ppm (45mg/m3/8H) (skin)	or-rat 830mg/kg
43. Trichloroethene	35161	011421	0.05	5.00	40003.2	2000	NA	NA	0.017	NA	NA	2000.1	18.4	79-01-6	60 ppm (270mg/m3/8H)	or-rat 2402mg/kg
44. 1,2,3-Trichloropropane	35161	011421	0.05	5.00	40015.2	2000	NA	NA	0.017	NA	NA	2000.7	18.4	96-18-4	10 ppm (60mg/m3/8H)	or-rat 149.6mg/kg
45. Benzene	35162	020821	0.05	5.00	40009.9	2000	NA	NA	0.017	NA	NA	2000.3	18.4	71-43-2	1 ppm	or-rat 4694mg/kg
46. Bromobenzene	35162	020821	0.05	5.00	40019.0	2000	NA	NA	0.017	NA	NA	2000.9	18.4	108-96-1	N/A	or-rat 2699mg/kg
47. n-Butyl benzene	35162	020821	0.05	5.00	40019.8	2000	NA	NA	0.017	NA	NA	2000.9	18.4	104-51-8	N/A	N/A
48. Ethyl benzene	35162	020821	0.05	5.00	40009.9	2000	NA	NA	0.017	NA	NA	1999.9	18.4	100-41-4	100 ppm (435mg/m3/8H)	or-rat >6000mg/kg
49. p-Isopropyl toluene	35162	020821	0.05	5.00	40056.4	2000	NA	NA	0.017	NA	NA	2002.7	18.4	99-87-6	N/A	or-rat 4750mg/kg
50. Naphthalene	35162	020821	0.05	5.00	40005.1	2000	NA	NA	0.017	NA	NA	2000.2	18.3	91-20-3	10 ppm (50mg/m3/8H)	or-rat 490mg/kg
51. Styrene	35162	020821	0.05	5.00	40022.8	2000	NA	NA	0.017	NA	NA	2001.0	18.4	100-42-5	100 ppm	or-rat 5000mg/kg
52. Toluene	35162	020821	0.05	5.00	40008.9	2000	NA	NA	0.017	NA	NA	2000.3	18.4	108-88-3	200 ppm	or-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	020821	0.05	5.00	40002.0	2000	NA	NA	0.017	NA	NA	2000.0	18.4	87-61-6	N/A	ipr-mus 1300mg/kg
54. 1,2,4-Trichlorobenzene	35162	020821	0.05	5.00	40027.4	2000	NA	NA	0.017	NA	NA	2001.3	18.4	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 750mg/kg
55. 1,2,4-Trimethylbenzene	35162	020821	0.05	5.00	40012.4	2000	NA	NA	0.017	NA	NA	2000.5	18.4	95-63-6	N/A	or-rat 56kg
56. 1,3,5-Trimethylbenzene	35162	020821	0.05	5.00	40011.5	2000	NA	NA	0.017	NA	NA	2000.5	18.5	108-67-8	N/A	or-rat 5000mg/kg
57. m-Xylene	35162	020821	0.05	5.00	40021.8	2000	NA	NA	0.017	NA	NA	2001.0	18.4	108-38-3	100 ppm (435mg/m3/8H)	or-rat 56kg
58. tert-Butyl benzene	35163	022521	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	2000.2	18.4	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	022521	0.05	5.00	40011.7	2000	NA	NA	0.017	NA	NA	2000.5	18.4	135-98-8	N/A	or-rat 2240mg/kg
60. Chlorobenzene	35163	022521	0.05	5.00	40009.0	2000	NA	NA	0.017	NA	NA	2000.4	18.4	108-90-7	75 ppm (350mg/m3/8H)	or-rat 2290mg/kg
61. 2-Chlorotoluene	35163	022521	0.05	5.00	40002.0	2000	NA	NA	0.017	NA	NA	2000.0	18.4	96-48-8	60 ppm (250mg/m3/8H)	or-rat 3000mg/kg
62. 4-Chlorotoluene	35163	022521	0.05	5.00	40000.4	2000	NA	NA	0.017	NA	NA	1899.9	18.4	106-43-4	N/A	or-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	022521	0.05	5.00	40004.0	2000	NA	NA	0.017	NA	NA	2000.1	18.4	95-50-1	50 ppm (300mg/m3) (CL)	or-rat 90

Run 22, "P95317 L042921 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35999 points at 10 points/second.
Created: Thu, Apr 29, 2021 at 3:49:30 PM.
Sampled: Sequence "042521-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., 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=4



Peak #	Analyte	FID RT (min.)
1	Ether	5.48
2	1,1,2-Trichloro-1,2,2-trichloroethane	6.90
3	1,1-Dichloroethane	9.51
4	Acetonitrile	10.44
5	Iodooxetane	10.71
6	Athyl chloride	11.92
7	Carbon disulfide/Methylselen chloride	11.51
8	trans-1,2-Dichloroethene	12.55
9	1,1-Dichloroethane	14.28
10	2,2-Dichloropropane	16.33
11	cis-1,2-Dichloroethene	16.59
12	Methacrylonitrile/Methyl acrylate/Chloroform	17.14
13	Isobutanol/1,1,1-Trichloroethane	18.32
14	1,1-Dichloropropane	19.06
15	Carbon tetrachloride	19.39
16	Benzene/1,2-Dichloroethane	20.10
17	Trichloroethene	22.13
18	1,2-Dichloropropane	22.92
19	Methyl methacrylate	23.26
20	Bromodichloromethane	23.74
21	Dibromomethane	23.94
22	2-Nitropropane	24.18
23	cis-1,3-Dichloropropene	25.71
24	Toluene	26.71
25	Ethyl methacrylate/trans-1,3-Dichloropropene	27.50
26	1,1,2-Trichloroethane	28.04
27	Tetrachloroethene/1,3-Dichloropropene	28.92
28	Dibromochloromethane	29.79
29	1,2-Dibromochloroethane	30.46
30	Chlorobenzene	31.99
31	Ethylbenzene/1,1,1,3-Tetrachloroethane	32.07
32	m-Xylene/p-Xylene	32.33
33	o-Xylene	33.87
34	Styrene	34.04
35	Isopropylbenzene/Bromobenzene	35.14
36	cis-1,4-Dichloro-2-octene	35.49
37	1,1,2,2-Tetrachloroethane	35.90
38	1,2,3-Trichloropropene	36.34
39	n-Propylbenzene	36.58
40	trans-1,4-Dichloro-2-octene/Bromobenzene	36.73
41	1,2,5-Trisubstitutedbenzene/2-Chlorobenzene	37.17
42	4-Chlorobenzene	37.38
43	tert-Butylbenzene	38.41
44	1,2,4-Trisubstitutedbenzene/Pentachlorobenzene	38.55
45	sec-Butylbenzene	38.16
46	p-Isopropylbenzene	39.68
47	1,3-Dichlorobenzene	40.01
48	1,4-Dichlorobenzene	40.42
49	n-Butylbenzene	41.16
50	1,2-Dichlorobenzene	41.74
51	1,2-Dibromo-2-chloropropane	44.68
52	Nitrobenzene	45.84
53	1,2,4-Trichlorobenzene	47.80
54	Hexachlorocyclopentadiene	48.29
55	Naphthalene	48.76
56	1,2,3-Trichlorobenzene	59.66

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 Rossetto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2022

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 (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYLALCOHOL	> 97
	CAS#: 67-56-1	

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (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: **042921**
Description: **Universal VOA Megamix**
69 components
Expiration Date: 04/29/24
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): **Methanol**
Lot#: **DY186-USQ6**

<i>Eli Aliaga</i>		042921
Formulated By:	Eli Aliaga	DATE
<i>Pedro L. Rantas</i>		042921
Reviewed By:	Pedro L. Rantas	DATE

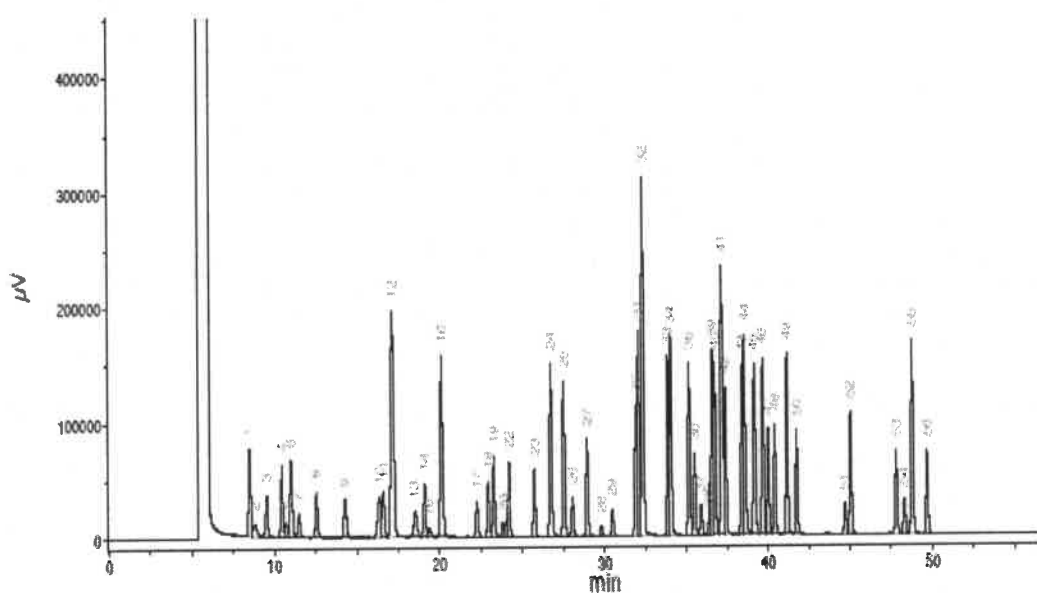
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

Compound	(RM#)	Lot	Dr.	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Expanded	SDS Information (Solvent Safety Info. On Attached pg.)		
	Part Number	Number	Factor	Vol. (mL)	Conc.(µg/mL)	Conc (µg/mL)	(%)	Uncertainty	Pipette (mL)	Weight(g)	Weight(g)	Conc (µg/mL)	Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	060812	NA	NA	NA	2000	99.9	0.2	NA	0.20021	0.20041	2002.0	8.1	75-05-8	40 ppm (70mg/m3/8H)	or-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20203	0.20233	2003.0	8.2	107-05-1	1 ppm (3mg/m3/8H)	or-rat 700mg/kg
3. Carbon disulphide	(0080)	MKCD9804	NA	NA	NA	2000	100	0.2	NA	0.20001	0.20015	2001.4	8.1	75-15-0	4 ppm (12mg/m3) (skin)	or-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1186)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21054	0.21080	2000.6	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP8041V	NA	NA	NA	2000	96.5	0.2	NA	0.20726	0.20751	2002.4	8.4	110-57-6	N/A	N/A
6. Diethyl ether (Ethyl ether)	(0153)	SHBK1918	NA	NA	NA	2000	99.9	0.2	NA	0.20023	0.20048	2002.3	8.1	60-29-7	400ppm (1200mg/m3/8H)	or-rat 1215mg/kg
7. Ethyl methacrylate	(0381)	08128PX	NA	NA	NA	2000	99	0.2	NA	0.20203	0.20230	2002.7	8.2	97-63-2	N/A	or-rat 14800mg/kg
8. Iodomethane	(0488)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20101	0.20130	2002.8	8.1	74-88-4	5 ppm (20mg/m3/8H) (skin)	or-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20101	0.20123	2002.1	8.1	78-83-1	60 ppm (150mg/m3/8H)	or-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20203	0.20220	2001.7	8.2	126-98-7	1 ppm (3mg/m3/8H) (skin)	or-rat 130mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20021	0.20046	2002.5	8.1	96-33-3	10 ppm (35mg/m3/8H) (skin)	or-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20021	0.20048	2002.7	8.1	80-62-6	100 ppm (410mg/m3/8H)	or-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20203	0.20216	2001.5	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	0.20556	0.20586	2001.0	8.3	79-48-9	10 ppm (35mg/m3/8H)	or-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20409	0.20418	2000.9	8.2	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20203	0.20221	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	or-rat 43kg/kg
17. Bromodichloromethane	35171	100220	0.05	5.00	40018.8	2000	NA	NA	0.017	NA	NA	2000.8	18.4	75-27-4	N/A	or-rat 915mg/kg
18. Dibromochloromethane	35171	100220	0.05	5.00	40007.7	2000	NA	NA	0.017	NA	NA	2000.3	18.4	124-48-1	N/A	or-rat 846mg/kg
19. cis-1,2-Dichloroethane	35171	100220	0.05	5.00	40012.4	2000	NA	NA	0.017	NA	NA	2000.6	18.4	150-99-2	N/A	N/A
20. trans-1,2-Dichloroethane	35171	100220	0.05	5.00	40005.6	2000	NA	NA	0.017	NA	NA	2000.2	18.4	156-60-5	N/A	or-rat 1235mg/kg
21. Methylene chloride	35171	100220	0.05	5.00	40013.9	2000	NA	NA	0.017	NA	NA	2000.6	18.4	75-09-2	500 ppm	or-rat 820mg/kg
22. 1,1-Dichloroethene	32251	031821	0.10	10.00	20009.1	2000	NA	NA	0.042	NA	NA	2000.8	19.3	75-35-4	1 ppm (4mg/m3/8H)	or-rat 200mg/kg
23. Bromoform	95321	010419	0.10	10.00	20001.7	2000	NA	NA	0.042	NA	NA	2000.1	19.3	75-25-2	0.5 ppm (5mg/m3) (skin)	or-rat 933mg/kg
24. Carbon tetrachloride	95321	010419	0.10	10.00	20001.3	2000	NA	NA	0.042	NA	NA	2000.0	19.2	56-23-5	2 ppm (12.6mg/m3/8H)	or-rat 2350mg/kg
25. Chloroform	95321	010419	0.10	10.00	20001.8	2000	NA	NA	0.042	NA	NA	2000.1	19.2	67-66-3	60 ppm (240mg/m3) (CL)	or-rat 900mg/kg
26. Dibromomethane	95321	010419	0.10	10.00	20001.7	2000	NA	NA	0.042	NA	NA	2000.1	19.3	74-95-3	N/A	or-rat 108mg/kg
27. 1,1-Dichloroethane	95321	010419	0.10	10.00	20000.8	2000	NA	NA	0.042	NA	NA	2000.0	19.3	75-34-3	100 ppm	or-rat 725mg/kg
28. 2,2-Dichloropropane	95321	010419	0.10	10.00	20002.1	2000	NA	NA	0.042	NA	NA	2000.1	19.3	594-20-7	N/A	N/A
29. Tetrachloroethane	95321	010419	0.10	10.00	20002.2	2000	NA	NA	0.042	NA	NA	2000.1	19.3	127-18-4	25 ppm (170mg/m3/8H) (Inhal)	or-rat 2620mg/kg
30. 1,1,1-Trichloroethane	95321	010419	0.10	10.00	20001.7	2000	NA	NA	0.042	NA	NA	2000.1	19.3	71-55-6	350 ppm (1800mg/m3/8H)	or-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	011421	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	2000.0	18.4	96-12-9	0.001 ppm	or-rat 1710mg/kg
32. 1,2-Dibromomethane	35161	011421	0.05	5.00	40003.9	2000	NA	NA	0.017	NA	NA	2000.1	18.4	108-83-4	20 ppm (8H)	or-rat 108mg/kg
33. 1,2-Dichloroethane	35161	011421	0.05	5.00	40004.9	2000	NA	NA	0.017	NA	NA	2000.1	18.4	107-06-2	50 ppm (8H)	or-rat 670mg/kg
34. 1,2-Dichloropropane	35161	011421	0.05	5.00	40002.2	2000	NA	NA	0.017	NA	NA	2000.0	18.4	78-87-5	75 ppm (350mg/m3/8H)	or-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	011421	0.05	5.00	40013.9	2000	NA	NA	0.017	NA	NA	2000.6	18.4	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	011421	0.05	5.00	40015.0	2000	NA	NA	0.017	NA	NA	2000.7	28.1	563-56-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	011421	0.05	5.00	40004.4	2000	NA	NA	0.017	NA	NA	2000.1	18.4	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	011421	0.05	5.00	40009.1	2000	NA	NA	0.017	NA	NA	2000.4	18.5	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	011421	0.05	5.00	40003.5	2000	NA	NA	0.017	NA	NA	2000.1	26.4	87-68-3	0.02 ppm (0.24mg/m3/8H)	or-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	011421	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.5	18.4	630-20-6	N/A	or-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	011421	0.05	5.00	40011.0	2000	NA	NA	0.017	NA	NA	2000.5	18.4	79-34-5	5 ppm (35mg/m3/8H) (skin)	or-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	011421	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.9	18.4	79-00-5	10 ppm (45mg/m3/8H) (skin)	or-rat 830mg/kg
43. Trichloroethene	35161	011421	0.05	5.00	40003.2	2000	NA	NA	0.017	NA	NA	2000.1	18.4	79-01-6	60 ppm (270mg/m3/8H)	or-rat 2402mg/kg
44. 1,2,3-Trichloropropane	35161	011421	0.05	5.00	40015.2	2000	NA	NA	0.017	NA	NA	2000.7	18.4	96-18-4	10 ppm (60mg/m3/8H)	or-rat 149.6mg/kg
45. Benzene	35162	020821	0.05	5.00	40009.9	2000	NA	NA	0.017	NA	NA	2000.3	18.4	71-43-2	1 ppm	or-rat 4694mg/kg
46. Bromobenzene	35162	020821	0.05	5.00	40019.0	2000	NA	NA	0.017	NA	NA	2000.9	18.4	108-96-1	N/A	or-rat 2699mg/kg
47. n-Butyl benzene	35162	020821	0.05	5.00	40019.8	2000	NA	NA	0.017	NA	NA	2000.9	18.4	104-51-8	N/A	N/A
48. Ethyl benzene	35162	020821	0.05	5.00	40009.9	2000	NA	NA	0.017	NA	NA	1999.9	18.4	100-41-4	100 ppm (435mg/m3/8H)	or-rat >6000mg/kg
49. p-Isopropyl toluene	35162	020821	0.05	5.00	40056.4	2000	NA	NA	0.017	NA	NA	2002.7	18.4	99-87-6	N/A	or-rat 4750mg/kg
50. Naphthalene	35162	020821	0.05	5.00	40005.1	2000	NA	NA	0.017	NA	NA	2000.2	18.3	91-20-3	10 ppm (50mg/m3/8H)	or-rat 490mg/kg
51. Styrene	35162	020821	0.05	5.00	40022.8	2000	NA	NA	0.017	NA	NA	2001.0	18.4	100-42-5	100 ppm	or-rat 5000mg/kg
52. Toluene	35162	020821	0.05	5.00	40008.9	2000	NA	NA	0.017	NA	NA	2000.3	18.4	108-88-3	200 ppm	or-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	020821	0.05	5.00	40002.0	2000	NA	NA	0.017	NA	NA	2000.0	18.4	87-61-6	N/A	ipr-mus 1300mg/kg
54. 1,2,4-Trichlorobenzene	35162	020821	0.05	5.00	40027.4	2000	NA	NA	0.017	NA	NA	2001.3	18.4	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 750mg/kg
55. 1,2,4-Trimethylbenzene	35162	020821	0.05	5.00	40012.4	2000	NA	NA	0.017	NA	NA	2000.5	18.4	95-63-6	N/A	or-rat 56kg
56. 1,3,5-Trimethylbenzene	35162	020821	0.05	5.00	40011.5	2000	NA	NA	0.017	NA	NA	2000.5	18.5	108-67-8	N/A	or-rat 5000mg/kg
57. m-Xylene	35162	020821	0.05	5.00	40021.8	2000	NA	NA	0.017	NA	NA	2001.0	18.4	108-38-3	100 ppm (435mg/m3/8H)	or-rat 59kg
58. tert-Butyl benzene	35163	022521	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	2000.2	18.4	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	022521	0.05	5.00	40011.7	2000	NA	NA	0.017	NA	NA	2000.5	18.4	135-98-8	N/A	or-rat 2240mg/kg
60. Chlorobenzene	35163	022521	0.05	5.00	40009.0	2000	NA	NA	0.017	NA	NA	2000.4	18.4	108-90-7	75 ppm (350mg/m3/8H)	or-rat 2290mg/kg
61. 2-Chlorotoluene	35163	022521	0.05	5.00	40002.0	2000	NA	NA	0.017	NA	NA	2000.0	18.4	96-48-8	60 ppm (250mg/m3/8H)	or-rat 3000mg/kg
62. 4-Chlorotoluene	35163	022521	0.05	5.00	40000.4	2000	NA	NA	0.017	NA	NA	1899.9	18.4	106-43-4	N/A	or-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	022521	0.05	5.00	40004.0	2000	NA	NA	0.017	NA	NA	2000.1	18.4	95-50-1	50 ppm (300mg/m3) (CL)	or

Run 22, "P95317 L042921 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35999 points at 10 points/second.
Created: Thu, Apr 29, 2021 at 3:49:30 PM.
Sampled: Sequence "042521-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., 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=4



Peak #	Analyte	FID RT (min.)
1	Ether	6.48
2	1,1,2-Trichloro-1,2,2-trichloroethane	8.90
3	1,1-Dichloroethane	9.51
4	Acetonitrile	10.44
5	Iodomethane	10.71
6	Athyl chloride	11.92
7	Carbon disulfide/Methylselen chloride	11.51
8	trans-1,2-Dichloroethene	12.55
9	1,1-Dichloroethane	14.28
10	2,2-Dichloropropane	16.33
11	cis-1,2-Dichloroethene	16.59
12	Methacrylonitrile/Methyl acrylate/Chloroform	17.14
13	Isobutanol/1,1,1-Trichloroethane	18.32
14	1,1-Dichloropropane	19.06
15	Carbon tetrachloride	19.39
16	Benzene/1,2-Dichloroethane	20.10
17	Trichloroethene	22.13
18	1,2-Dichloropropane	22.92
19	Methyl methacrylate	23.26
20	Bromochloroethane	23.74
21	Dibromomethane	23.94
22	2-Nitropropane	24.18
23	cis-1,3-Dichloropropene	25.71
24	Toluene	26.71
25	Ethyl methacrylate/trans-1,3-Dichloropropene	27.50
26	1,1,2-Trichloroethane	28.04
27	Tetrachloroethene/1,3-Dichloropropene	28.92
28	Dibromochloromethane	29.79
29	1,2-Dibromochloroethane	30.46
30	Chlorobenzene	31.99
31	Ethylbenzene/1,1,1,3-Tetrachloroethane	32.07
32	m-Xylene/p-Xylene	32.33
33	o-Xylene	33.87
34	Styrene	34.04
35	Isopropylbenzene/Bromobenzene	35.14
36	cis-1,4-Dichloro-2-octene	35.49
37	1,1,2,2-Tetrachloroethane	35.90
38	1,2,3-Trichloropropene	36.34
39	n-Propylbenzene	36.58
40	trans-1,4-Dichloro-2-octene/Bromobenzene	36.73
41	1,2,5-Trisubstitutedbenzene/2-Chlorobenzene	37.17
42	4-Chlorobenzene	37.38
43	tert-Butylbenzene	38.41
44	1,2,4-Trisubstitutedbenzene/Pentachlorobenzene	38.55
45	sec-Butylbenzene	38.16
46	p-Isopropylbenzene	39.68
47	1,3-Dichlorobenzene	40.01
48	1,4-Dichlorobenzene	40.42
49	n-Butylbenzene	41.16
50	1,3-Dichlorobenzene	41.74
51	1,2-Dibromo-2-chloropropane	44.68
52	Nitrobenzene	45.84
53	1,2,4-Trichlorobenzene	47.80
54	Hexachlorocyclopentadiene	48.29
55	Naphthalene	48.76
56	1,2,3-Trichlorobenzene	59.66

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 Rossetto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2022

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 (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYLALCOHOL	> 97
	CAS#: 67-56-1	

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (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.



ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

91980
082423
Acrolein

Solvent(s):
Water

Lot#
102422Q

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):
NIST Test ID#:

092423
Refrigerate (4 °C)
5000
6UTB

Weight(s) shown below were combined and diluted to (mL):

10.0

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	082423	DATE
Reviewed By:	Pedro L. Rentas	082423	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R09M	5000	97.1	0.5	0.05160	0.05170	5009.2	52.5	107-02-8	0.1 ppm	ori-rat 48mg/kg

Method: GC/MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.)
Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately.
Long term storage is not recommended. Please contact our technical department if further information is required.

SDS Information
(Solvent Safety Info. On Attached pg.)

TIC: [BSB2]79005.D

Scan 232 (8.927 min): [BSB2]79005.D

Abundance

27

250000

8.93

200000

56

150000

40000

30000

20000

10000

37

Time-->

10.00 15.00 20.00 25.00 30.00 35.00 40.00 45.00 50.00 55.00 60.00

m/z-->

0

20

30

40

50

60

70

80

90

100

110

120

130

140

150

160

170

180

190

200

210

220

230

240

250

260

270

280

290

300

310

320

330

340

350

360

370

380

390

400

410

420

430

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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
Emergency Telephone USA & CANADA 1-800-635-5053
Emergency Telephone International 1-352-323-3500
Date Prepared/Revised May 1, 2022

Section II - Hazards Identification

P271 Use in ventilated area
P302,332 If on skin, wash with soap and water
Signal Word: DANGER
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
H315 Causes skin and eye irritation.
P280 Use gloves, eye protection/face shield
P305,351,338 If in eyes, remove contacts, rinse with water



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 in case of skin contact
If in case of eye contact
If swallowed
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.
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

Suitable extinguishing media
Protective equipment for fire
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Wear self contained breathing apparatus for fire fighting if necessary.
Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions
Environmental precautions
Clean up
Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
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
Storage Conditions
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.
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
Vapor Pressure (mm Hg)		Melting Point	

Absolute Standards Inc.

PO Box 5585
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 warrant 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.


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CERTIFIED WEIGHT REPORT

 Part Number:
 Lot Number:
 Description:

 91980
 082423
 Acrolein

 Solvent(s):
 Water

 Lot#
 102422Q

 Expiration Date:
 Recommended Storage:
 Refrigerate (4 °C)
 5000
 Nominal Concentration (µg/mL):
 NIST Test ID#:

 092423
 6UTB

 5E-05 Balance Uncertainty
 0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL):

10.0

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	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. Acrolein 5 103755R09M 5000 97.1 0.5 0.05160 0.05170 5009.2 52.5 107-02-8 0.1 ppm orl-rat 46mg/kg

 Method: GC/MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2 = 200°C (Time 2 = 8.75 min.)
 Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 230°C. Analyst: Pedro Rentes. 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

Abundance

27

250000

8.93

200000

56

150000

40000

30000

100000

20000

50000

10000

37

Time-->

m/z-->

0

20

30

40

50

60

70

80

90

100

110

120

130

140

150

160

170

158

169

 * 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 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).

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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 Rosotto Dr.
Hamden CT, 06514
Emergency Telephone USA & CANADA 1-800-635-5053
Emergency Telephone International 1-352-323-3500
Date Prepared/Revised May 1, 2022

Section II - Hazards Identification

P271 Use in ventilated area
P302,332 If on skin, wash with soap and water
Signal Word: DANGER
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
H315 Causes skin and eye irritation.
P280 Use gloves, eye protection/face shield
P305,351,338 If in eyes, remove contacts, rinse with water



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 in case of skin contact
If in case of eye contact
If swallowed
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.
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

Suitable extinguishing media
Protective equipment for fire
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Wear self contained breathing apparatus for fire fighting if necessary.
Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions
Environmental precautions
Clean up
Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
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
Storage Conditions
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.
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
Vapor Pressure (mm Hg)		Melting Point	

Absolute Standards Inc.

PO Box 5585
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 warrant 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.



ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

91980
082423
Acrolein

Solvent(s):
Water

Lot#
102422Q

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):
NIST Test ID#:

092423
Refrigerate (4 °C)
5000
6UTB

Weight(s) shown below were combined and diluted to (mL):

10.0

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	082423	DATE
Reviewed By:	Pedro L. Rentas	082423	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R09M	5000	97.1	0.5	0.05160	0.05170	5009.2	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC/MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.

SDS Information

(Solvent Safety Info. On Attached pg.)

TIC: [BSB2]79005.D

Scan 232 (8.927 min): [BSB2]79005.D

Abundance

27

250000

8.93

200000

56

150000

40000

30000

20000

10000

37

Time-->

10.00 15.00 20.00 25.00 30.00 35.00 40.00 45.00 50.00 55.00 60.00

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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
Emergency Telephone USA & CANADA 1-800-635-5053
Emergency Telephone International 1-352-323-3500
Date Prepared/Revised May 1, 2022

Section II - Hazards Identification

P271 Use in ventilated area
P302,332 If on skin, wash with soap and water
Signal Word: DANGER
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
H315 Causes skin and eye irritation.
P280 Use gloves, eye protection/face shield
P305,351,338 If in eyes, remove contacts, rinse with water



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 in case of skin contact
If in case of eye contact
If swallowed
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.
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

Suitable extinguishing media
Protective equipment for fire
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Wear self contained breathing apparatus for fire fighting if necessary.
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.
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

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
Vapor Pressure (mm Hg)				

Absolute Standards Inc.

PO Box 5585
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 warrant 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.



ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

91980
082423
Acrolein

Solvent(s):
Water

Lot#
102422Q

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):
NIST Test ID#:

092423
Refrigerate (4 °C)
5000
6UTB

Weight(s) shown below were combined and diluted to (mL):

10.0

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	082423	DATE
Reviewed By:	Pedro L. Rentas	082423	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755R09M	5000	97.1	0.5	0.05160	0.05170	5009.2	52.5	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC/MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.)
Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately.
Long term storage is not recommended. Please contact our technical department if further information is required.

SDS Information
(Solvent Safety Info. On Attached pg.)

TIC: [BSB2]79005.D

Scan 232 (8.927 min): [BSB2]79005.D

Abundance

27

250000

8.93

200000

56

150000

40000

30000

20000

10000

37

Time-->

10.00 15.00 20.00 25.00 30.00 35.00 40.00 45.00 50.00 55.00 60.00

m/z-->

0

20

30

40

50

60

70

80

90

100

110

120

130

140

150

160

170

158

169

* 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 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).

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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 Rosotto Dr.
Hamden CT, 06514
Emergency Telephone USA & CANADA 1-800-635-5053
Emergency Telephone International 1-352-323-3500
Date Prepared/Revised May 1, 2022

Section II - Hazards Identification

P271 Use in ventilated area
P302,332 If on skin, wash with soap and water
Signal Word: DANGER
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
H315 Causes skin and eye irritation.
P280 Use gloves, eye protection/face shield
P305,351,338 If in eyes, remove contacts, rinse with water



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 in case of skin contact
If in case of eye contact
If swallowed
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.
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

Suitable extinguishing media
Protective equipment for fire
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Wear self contained breathing apparatus for fire fighting if necessary.
Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions
Environmental precautions
Clean up
Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
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
Storage Conditions
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.
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
Vapor Pressure (mm Hg)		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
	Completely miscible		
Solubility in Water			
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 warrant 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

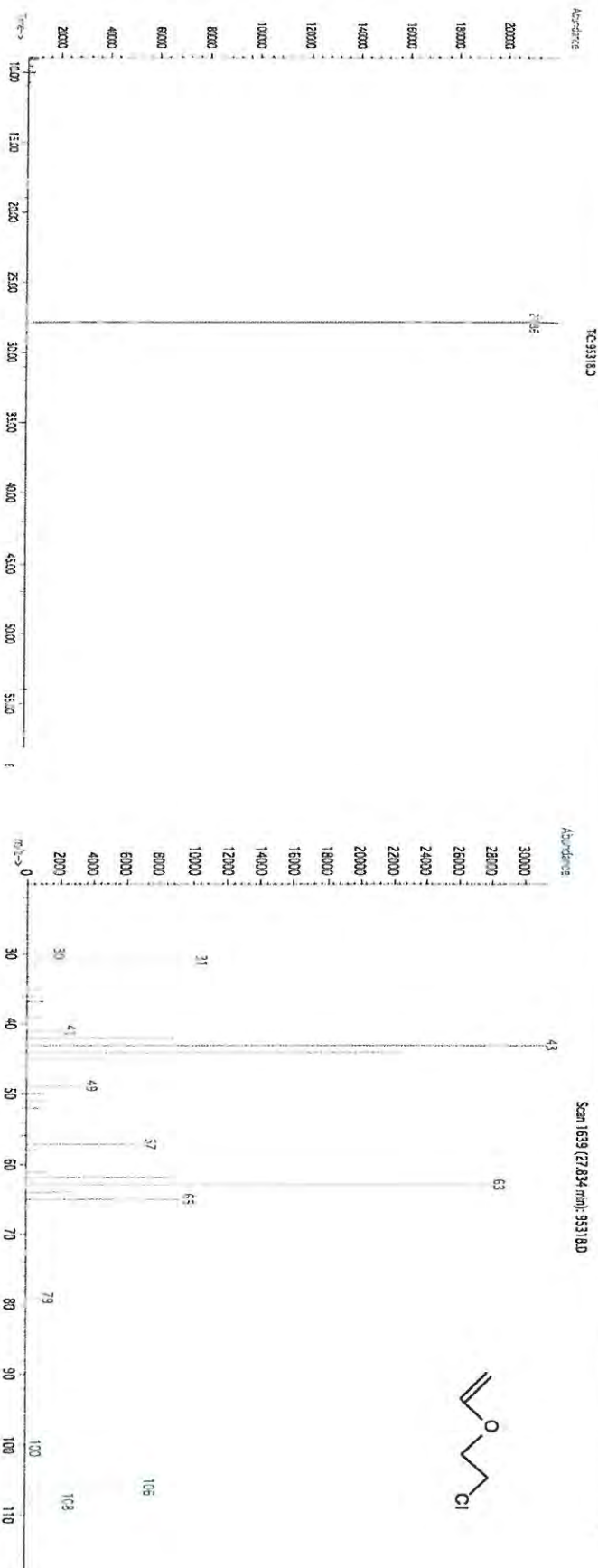
Expiration Date: 121324
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB
Weight(s) shown below were combined and diluted to (mL): 30.0
SE-05 Balance Uncertainty
0.0003 Flask Uncertainty

Formulated By:	Benson Chan	121321
Reviewed By:	Pedro L. 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 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.
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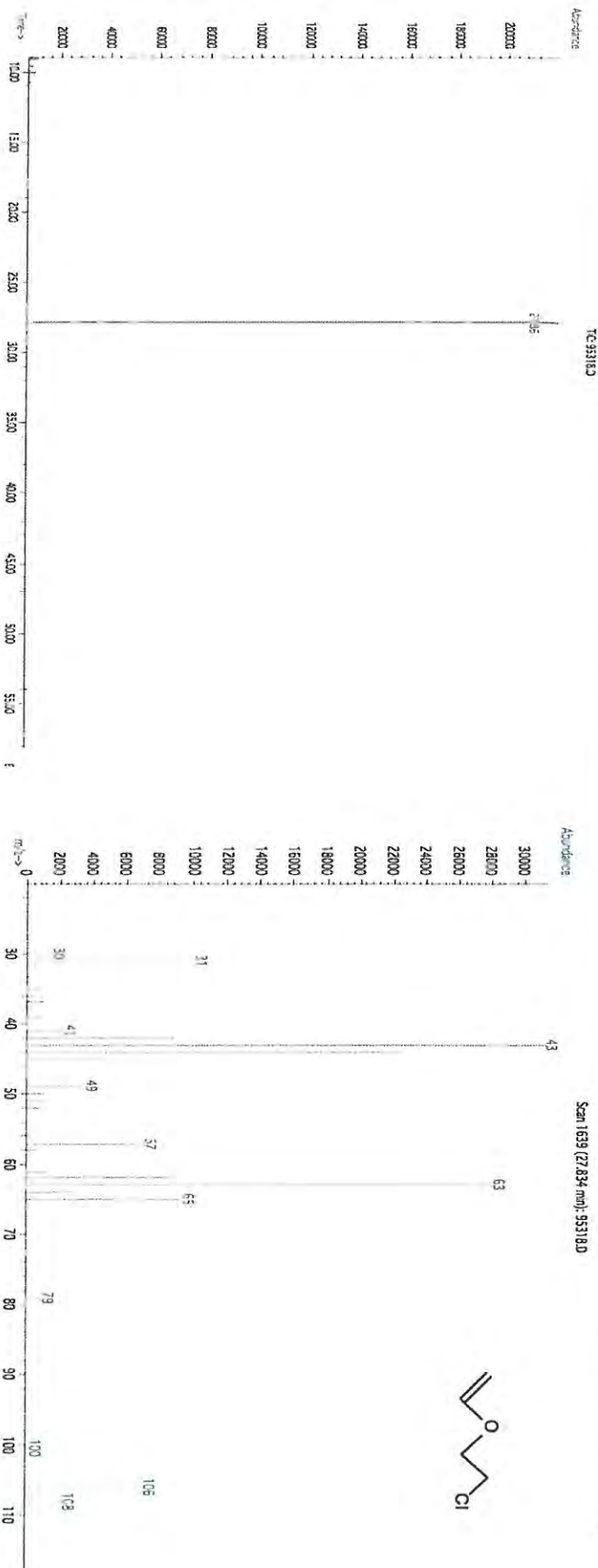
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Reviewed By:	Pedro L. Pintas	121321
DATE		

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Certified Reference Material CRM



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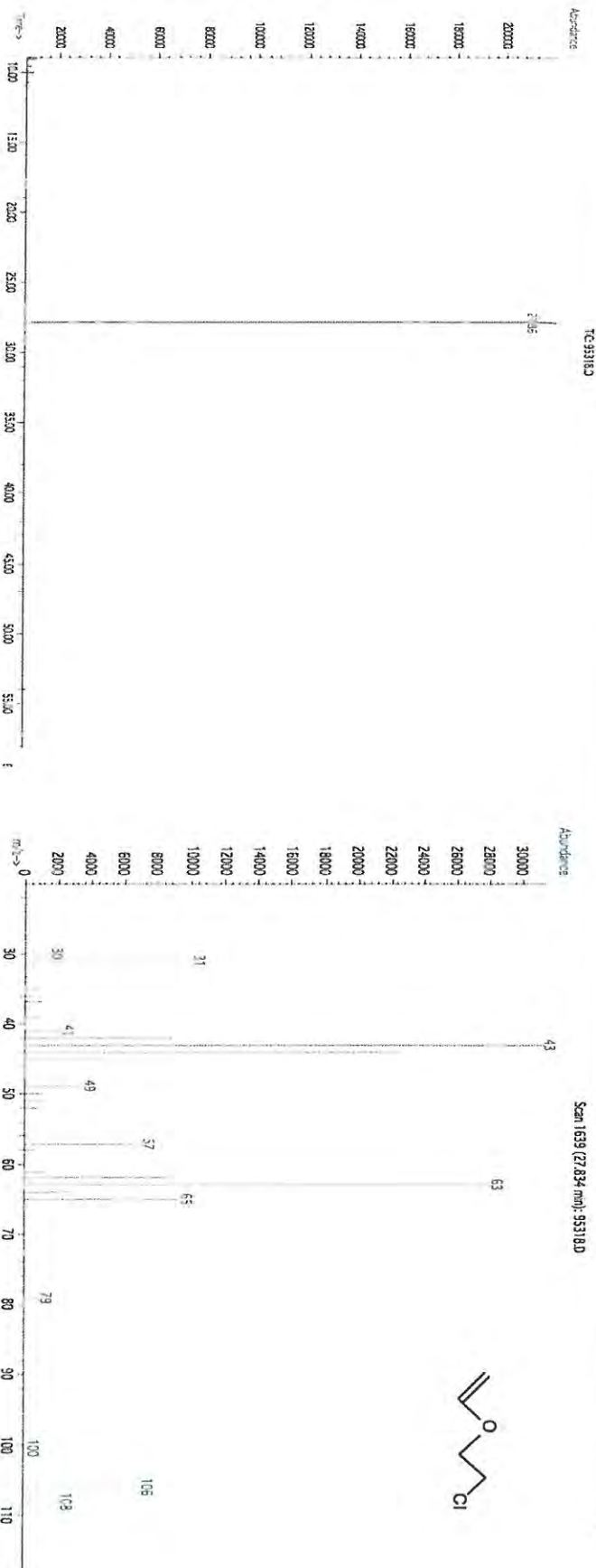
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Reviewed By:	Pedro L. Pintas	121321
DATE		

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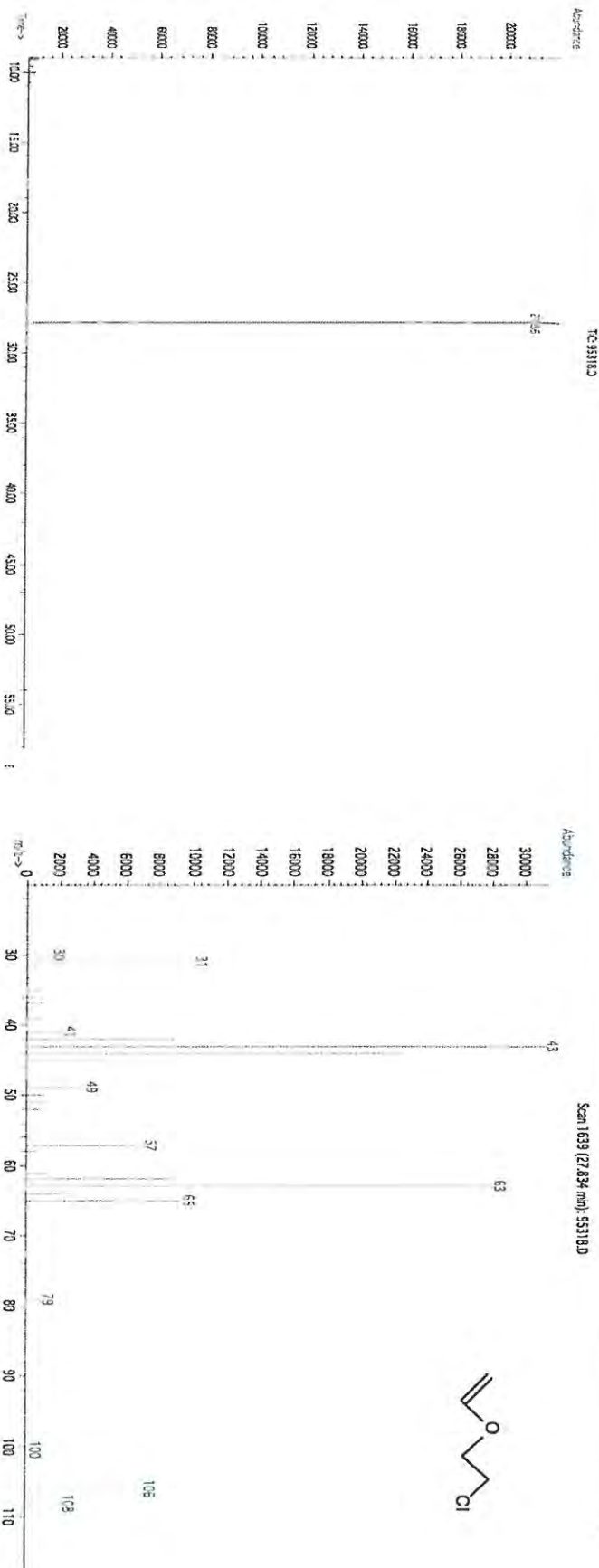
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Formulated By:	Benson Chan	121321
Reviewed By:	Pedro L. Pintas	121321
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110 Benner Circle
 Bellefonte, PA 16823-8812
 Tel: (800)356-1688
 Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 Lot No.: A0173020

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : June 30, 2024 Storage: 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	1,2-Dichloroethane-d4 CAS # 17060-07-0 (Lot PR-29377) Purity 99%	25,060.0 µg/mL	+/-	231.9100	µg/mL	Gravimetric
			+/-	1,416.6261	µg/mL	Unstressed
			+/-	1,449.2417	µg/mL	Stressed
2	1-Bromo-4-fluorobenzene (BFB) CAS # 460-00-4 (Lot 20401KO) Purity 99%	25,188.0 µg/mL	+/-	233.0945	µg/mL	Gravimetric
			+/-	1,423.8618	µg/mL	Unstressed
			+/-	1,456.6441	µg/mL	Stressed
3	Dibromofluoromethane CAS # 1868-53-7 (Lot 012021) Purity 99%	25,212.0 µg/mL	+/-	233.3166	µg/mL	Gravimetric
			+/-	1,425.2185	µg/mL	Unstressed
			+/-	1,458.0320	µg/mL	Stressed
4	Toluene-d8 CAS # 2037-26-5 (Lot PR-31750) Purity 99%	25,104.0 µg/mL	+/-	232.3171	µg/mL	Gravimetric
			+/-	1,419.1134	µg/mL	Unstressed
			+/-	1,451.7863	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%


Lane Kibe - Mix Technician

Date Mixed: 03-Jun-2021

Balance: B251644995

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- 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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Safety Data Sheet

Revision Date: 05/24/21

www.restek.com

2 Letter ISO country code/language code: US/EN

1. IDENTIFICATION

Catalog Number / Product Name: 555582 / Custom 8260A/B Surrogate Mix
Company: Restek Corporation
Address: 110 Benner Circle
Bellefonte, Pa. 16823
Phone#: 814-353-1300
Fax#: 814-353-1309
Emergency#: 800-424-9300 (CHEMTREC)
703-527-3887 (Outside the US)
Email: www.restek.com
Revision Number: 7
Intended use: For Laboratory use only

2. HAZARD(S) IDENTIFICATION

Emergency Overview:

GHS Hazard
Symbols:



GHS Classification: Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 1
Flammable Liquid Category 2
Acute Toxicity - Dermal Category 3
Acute Toxicity - Oral Category 3

GHS Signal Word: Danger

GHS Hazard: Highly flammable liquid and vapour.
Toxic if swallowed or in contact with skin.
Causes damage to organs.

GHS Precautions:

Safety Precautions: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash hands and skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures: IF SWALLOWED: Immediately call a POISON CENTER/doctor/....
IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF exposed: Call a POISON CENTER or doctor/physician.
Call a POISON CENTER or doctor/physician if you feel unwell.
Specific treatment see section 4.
Rinse mouth.
Take off immediately all contaminated clothing and wash it before reuse.
In case of fire: Use extinguishing media in section 5 for extinction.

Storage:	Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.
Disposal:	Dispose of contents/container according to section 13 of the SDS.
Single Exposure Target Organs:	Specific target organ toxicity - Single exposure - STOT SE 1: H370 Causes damage to organs. (C ≥ 10 %; No information to prove exclusion of certain routes of exposure); Specific target organ toxicity - Single exposure - STOT SE 2: H371 May cause damage to organs. (3 % ≤ C < 10 %; Concentration limits for acute toxicity cannot be translated into GHS from the DSD especially when minimum classifications are given)
Repeated Exposure Target Organs:	No data available

3. COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name	CAS #	EINEC #	% Composition
P&T Methanol	67-56-1	200-659-6	90
1-Bromo-4-fluorobenzene (BFB)	460-00-4	207-300-2	2.5
1,2-dichloroethane-d4	17060-07-0		2.5
dibromofluoromethane	1868-53-7		2.5
toluene-d8	2037-26-5	218-009-5	2.5

4. FIRST-AID MEASURES

Inhalation:	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately
Eyes:	Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.
Skin Contact:	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
Ingestion:	Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this SDS.

5. FIRE- FIGHTING MEASURES

Extinguishing Media:	Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire.
Fire and/or Explosion Hazards:	Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back.
Fire Fighting Methods and Protection:	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.
Hazardous Combustion Products:	Carbon dioxide, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment:	Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.
Methods for Clean-up:	Prevent the spread of any spill to minimize harm to human health and the

environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

7. HANDLING AND STORAGE

Handling Technical Measures and Precautions:	Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment
Storage Technical Measures and Conditions:	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States: Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
P&T Methanol	67-56-1	6000 ppm IDLH	250 ppm STEL	200 ppm TWA	200 ppm TWA; 260 mg/m3 TWA
1-Bromo-4-fluorobenzene (BFB)	460-00-4	Not established	None Known	Not established	No data available
1,2-dichloroethane-d4	17060-07-0	Not established	None Known	Not established	No data available
dibromofluoromethane	1868-53-7	Not established	None Known	Not established	No data available
e toluene-d8	2037-26-5	Not established	None Known	Not established	No data available

Personal Protection:

Engineering Measures:

Local exhaust ventilation is recommended when generating excessive levels of vapours from handling or thermal processing.

Respiratory Protection:

Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. If an exposure limit is exceeded or if an operator is experiencing symptoms of inhalation overexposure as explained in Section 3, provide respiratory protection.

Eye Protection:

Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin Protection:

Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color:	No data available
Odor:	Mild
Physical State:	No data available
pH:	Not applicable
Vapor Pressure:	No data available
Vapor Density:	1.1 (air = 1)
Boiling Point (°C):	151.5 °C Boiling Point (at 1013.25 hPa) 64.7 °C at 760 mmHg (HSDB)
Melting Point (°C):	-98 °C
Flash Point (°F):	50
Flammability:	Highly Flammable
Upper Flammable/Explosive Limit, % in air:	36
Lower Flammable/Explosive Limit, % in air:	6
Autoignition Temperature (°C):	464 deg C
Decomposition Temperature (°C):	No data available
Specific Gravity:	0.791 - 0.792 g/cm3 at 20 °C
Evaporation Rate:	No data available
Odor Threshold:	No data available
Solubility:	Moderate; 50-99%

Partition Coefficient: n-octanol in water:	No data available
VOC % by weight:	90
Molecular Weight:	32.04

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	None known.
Materials to Avoid / Chemical Incompatibility:	Strong oxidizing agents
Hazardous Decomposition Products:	Carbon dioxide Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation, Skin Contact, Eye Contact, Ingestion
Target Organs Potentially Affected By Exposure:	Eyes, Central nervous system stimulation, Skin, GI Tract, Respiratory Tract
Chemical Interactions That Change Toxicity:	None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation:	Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
Inhalation Toxicity:	Harmful! Can cause systemic damage (see "Target Organs")Methanol can cause central nervous system depression and overexposure can cause damage to the optic nerve resulting in visual impairment or blindness.
Skin Contact:	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Eye Contact:	Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Ingestion Irritation:	Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.Highly toxic and may be fatal if swallowed.
Ingestion Toxicity:	Toxic if swallowed. May cause target organ failure and/or death.May be fatal if swallowed.

Long-Term (Chronic) Health Effects:

Carcinogenicity:	No data.
Reproductive and Developmental Toxicity:	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Inhalation:	Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.Harmful! Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs")
Skin Contact:	Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Ingestion:	Toxic if swallowed. May cause target organ failure and/or death.

Component Toxicological Data:

NIOSH:

Chemical Name	CAS No.	LD50/LC50
Benzene, 1-bromo-4-fluoro-	460-00-4	Inhalation LC50 Rat 18 g/m3 4 h; Oral LD50 Rat 2700 mg/kg
Methanol	67-56-1	Inhalation LC50 Rat 22500 ppm 8 h

Component Carcinogenic Data:

OSHA:

Chemical Name	CAS No.
No data available	

ACGIH:

Chemical Name	CAS No.
No data available	

NIOSH:

Chemical Name	CAS No.
No data available	

NTP:

Chemical Name
No data available

CAS No.

IARC:

Chemical Name

CAS No.

Group No.

12. ECOLOGICAL INFORMATION**Overview:**

Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.

Mobility:

No data

Persistence:

No data

Bioaccumulation:

No data

Degradability:

Biodegrades slowly.

Ecological Toxicity Data:

No data available

13. DISPOSAL CONSIDERATIONS**Waste Description of Spent Product:**

Spent or discarded material is a hazardous waste. Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures.

Disposal Methods:

Dispose of by incineration following Federal, State, Local, or Provincial regulations.

Waste Disposal of Packaging:

Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION**United States:****DOT Proper Shipping Name:**

Flammable liquids, n.o.s. (Methanol)

UN Number:

UN1993

Hazard Class:

3

Packing Group:

II

International:**IATA Proper Shipping Name:**

Flammable liquids, n.o.s. (Methanol)

UN Number:

UN1993

Hazard Class:

3

Packing Group:

II

Marine Pollutant: No

Chemical Name	CAS#	Marine Pollutant	Severe Marine Pollutant
No data available			

15. REGULATORY INFORMATION**United States:**

Chemical Name	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
P&T Methanol	67-56-1	X	X	-	X
1-Bromo-4-fluorobenzene (BFB)	460-00-4	-	-	-	X
1,2-dichloroethane-d4	17060-07-0	-	-	-	-
dibromofluoromethane	1868-53-7	-	-	-	-
toluene-d8	2037-26-5	-	-	-	-

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation
Methanol	67-56-1	Prop 65 Develop Tox

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California

P&T Methanol	67-56-1	X	X	X	X
1-Bromo-4-fluorobenzene (BFB)	460-00-4	-	-	-	-
1,2-dichloroethane-d4	17060-07-0	-	-	-	-
dibromofluoromethane	1868-53-7	-	-	-	-
toluene-d8	2037-26-5	-	-	-	-

16. OTHER INFORMATION

Prior Version Date: 07/20/18

Other Information: Any changes to the SDS compared to previous versions are marked by a vertical line in front of the concerned paragraph.

References: No data available

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding products described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 Lot No.: A0173600

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : June 30, 2024 Storage: 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	1,4-Dichlorobenzene-d4 CAS # 3855-82-1 (Lot PR-30447) Purity 99%	25,040.0 µg/mL	+/-	231.7249	µg/mL	Gravimetric
			+/-	1,415.4955	µg/mL	Unstressed
			+/-	1,448.0851	µg/mL	Stressed
2	1,4-Difluorobenzene CAS # 540-36-3 (Lot MKBN8571 V) Purity 99%	25,216.0 µg/mL	+/-	233.3536	µg/mL	Gravimetric
			+/-	1,425.4447	µg/mL	Unstressed
			+/-	1,458.2633	µg/mL	Stressed
3	Chlorobenzene-d5 CAS # 3114-55-4 (Lot PR-29571) Purity 99%	25,120.0 µg/mL	+/-	232.4652	µg/mL	Gravimetric
			+/-	1,420.0178	µg/mL	Unstressed
			+/-	1,452.7116	µg/mL	Stressed
4	Pentafluorobenzene CAS # 363-72-4 (Lot MKCK2250) Purity 99%	25,092.0 µg/mL	+/-	232.2061	µg/mL	Gravimetric
			+/-	1,418.4350	µg/mL	Unstressed
			+/-	1,451.0923	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%


Walker Workman - Operations Technician I

Date Mixed: 18-Jun-2021 Balance: 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

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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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Safety Data Sheet

Revision Date: 05/24/21

www.restek.com

2 Letter ISO country code/language code: US/EN

1. IDENTIFICATION

Catalog Number / Product Name:	555581 / Custom 8260 Internal Standard Mix
Company:	Restek Corporation
Address:	110 Benner Circle Bellefonte, Pa. 16823
Phone#:	814-353-1300
Fax#:	814-353-1309
Emergency#:	800-424-9300 (CHEMTREC) 703-527-3887 (Outside the US)
Email:	www.restek.com
Revision Number:	8
Intended use:	For Laboratory use only

2. HAZARD(S) IDENTIFICATION

Emergency Overview:

GHS Hazard
Symbols:



GHS Classification: Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 1
Flammable Liquid Category 2
Acute Toxicity - Dermal Category 3
Acute Toxicity - Oral Category 3

GHS Signal Word: Danger

GHS Hazard: Highly flammable liquid and vapour.
Toxic if swallowed or in contact with skin.
Causes damage to organs.

GHS Precautions:

Safety Precautions: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash hands and skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures: IF SWALLOWED: Immediately call a POISON CENTER/doctor/....
IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF exposed: Call a POISON CENTER or doctor/physician.
Call a POISON CENTER or doctor/physician if you feel unwell.
Specific treatment see section 4.
Rinse mouth.
Take off immediately all contaminated clothing and wash it before reuse.
In case of fire: Use extinguishing media in section 5 for extinction.

Storage:	Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.
Disposal:	Dispose of contents/container according to section 13 of the SDS.
Single Exposure Target Organs:	Specific target organ toxicity - Single exposure - STOT SE 1: H370 Causes damage to organs. (C $\geq$ 10 %; No information to prove exclusion of certain routes of exposure); Specific target organ toxicity - Single exposure - STOT SE 2: H371 May cause damage to organs. (3 % $\leq$ C < 10 %; Concentration limits for acute toxicity cannot be translated into GHS from the DSD especially when minimum classifications are given)
Repeated Exposure Target Organs:	No data available

3. COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name	CAS #	EINEC #	% Composition
P&T Methanol	67-56-1	200-659-6	90
1,4-difluorobenzene	540-36-3	208-742-9	2.5
pentafluorobenzene	363-72-4	206-658-7	2.5
1,4-dichlorobenzene-d4	3855-82-1		2.5
chlorobenzene-d5	3114-55-4	221-482-0	2.5

4. FIRST-AID MEASURES

Inhalation:	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately
Eyes:	Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.
Skin Contact:	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
Ingestion:	Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this SDS.

5. FIRE- FIGHTING MEASURES

Extinguishing Media:	Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire. Use alcohol resistant foam, carbon dioxide, dry chemical, or water spray when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the fire. Do not direct a water stream directly into the hot burning liquid.
Fire and/or Explosion Hazards:	Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back.
Fire Fighting Methods and Protection:	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.
Hazardous Combustion Products:	Carbon dioxide, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment:	Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the

Methods for Clean-up:

area responding to the spill. Never exceed any occupational exposure limits.
Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

7. HANDLING AND STORAGE

Handling Technical Measures and Precautions: Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment

Storage Technical Measures and Conditions: Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**United States:**

Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
P&T Methanol	67-56-1	6000 ppm IDLH	250 ppm STEL	200 ppm TWA	200 ppm TWA; 260 mg/m3 TWA
1,4-difluorobenzene	540-36-3	Not established	None Known	Not established	No data available
pentafluorobenzene	363-72-4	Not established	None Known	Not established	No data available
1,4-dichlorobenzene-d4	3855-82-1	Not established	None Known	Not established	No data available
chlorobenzene-d5	3114-55-4	Not established	None Known	Not established	No data available

Personal Protection:**Engineering Measures:**

Local exhaust ventilation is recommended when generating excessive levels of vapours from handling or thermal processing.

Respiratory Protection:

Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. If an exposure limit is exceeded or if an operator is experiencing symptoms of inhalation overexposure as explained in Section 3, provide respiratory protection.

Eye Protection:

Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin Protection:

Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color:	No data available
Odor:	Mild
Physical State:	No data available
pH:	Not applicable
Vapor Pressure:	No data available
Vapor Density:	1.1 (air = 1)
Boiling Point (°C):	64.7 °C at 760 mmHg (HSDB)
Melting Point (°C):	-98 °C
Flash Point (°F):	36
Flammability:	Highly Flammable
Upper Flammable/Explosive Limit, % in air:	36
Lower Flammable/Explosive Limit, % in air:	6
Autoignition Temperature (°C):	464 deg C
Decomposition Temperature (°C):	No data available
Specific Gravity:	0.791 - 0.792 g/cm3 at 20 °C
Evaporation Rate:	No data available

Odor Threshold:	No data available
Solubility:	Moderate; 50-99%
Partition Coefficient: n-octanol in water:	No data available
VOC % by weight:	90
Molecular Weight:	32.04

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	None known.
Materials to Avoid / Chemical Incompatibility:	Strong oxidizing agents
Hazardous Decomposition Products:	Carbon dioxide Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation, Skin Contact, Eye Contact, Ingestion
Target Organs Potentially Affected By Exposure:	Eyes, Central nervous system stimulation, Skin, GI Tract, Respiratory Tract
Chemical Interactions That Change Toxicity:	None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation:	Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
Inhalation Toxicity:	Harmful! Can cause systemic damage (see "Target Organs")Methanol can cause central nervous system depression and overexposure can cause damage to the optic nerve resulting in visual impairment or blindness.
Skin Contact:	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Eye Contact:	Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Ingestion Irritation:	Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.Highly toxic and may be fatal if swallowed.
Ingestion Toxicity:	Toxic if swallowed. May cause target organ failure and/or death.May be fatal if swallowed.

Long-Term (Chronic) Health Effects:

Carcinogenicity:	No data.
Reproductive and Developmental Toxicity:	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Inhalation:	Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.Harmful! Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs")
Skin Contact:	Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Skin Absorption:	Upon prolonged or repeated exposure, harmful if absorbed through the skin. May cause severe irritation and systemic damage
Ingestion:	Toxic if swallowed. May cause target organ failure and/or death.

Component Toxicological Data:

NIOSH:

Chemical Name	CAS No.	LD50/LC50
Benzene, 1,2,3,4,5-pentafluoro-	363-72-4	Oral LD50 Rat 2 g/kg
Methanol	67-56-1	Inhalation LC50 Rat 22500 ppm 8 h

Component Carcinogenic Data:

OSHA:

Chemical Name	CAS No.
No data available	

ACGIH:

Chemical Name	CAS No.
No data available	

NIOSH:

Chemical Name CAS No.
No data available

NTP:

Chemical Name CAS No.
No data available

IARC:

Chemical Name CAS No. Group No.

12. ECOLOGICAL INFORMATION

Overview: Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.
Mobility: No data
Persistence: No data
Bioaccumulation: No data
Degradability: Biodegrades slowly.
Ecological Toxicity Data: No data available

13. DISPOSAL CONSIDERATIONS

Waste Description of Spent Product: Spent or discarded material is a hazardous waste. Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures.
Disposal Methods: Dispose of by incineration following Federal, State, Local, or Provincial regulations.
Waste Disposal of Packaging: Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION

United States:
DOT Proper Shipping Name: Flammable liquids, n.o.s. (Methanol, Pentafluorobenzene)
UN Number: UN1993
Hazard Class: 3
Packing Group: II

International:
IATA Proper Shipping Name: Flammable liquids, n.o.s. (Methanol, Pentafluorobenzene)
UN Number: UN1993
Hazard Class: 3
Packing Group: II

Marine Pollutant: No

Chemical Name	CAS#	Marine Pollutant	Severe Marine Pollutant
No data available			

15. REGULATORY INFORMATION

United States:					
Chemical Name	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
P&T Methanol	67-56-1	X	X	-	X
1,4-difluorobenzene	540-36-3	-	-	-	-
pentafluorobenzene	363-72-4	-	-	-	X
1,4-dichlorobenzene-d4	3855-82-1	-	-	-	-
chlorobenzene-d5	3114-55-4	-	-	-	-

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation
Methanol	67-56-1	Prop 65 Develop Tox

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California
P&T Methanol	67-56-1	X	X	X	X
1,4-difluorobenzene	540-36-3	-	-	-	-
pentafluorobenzene	363-72-4	-	-	-	-
1,4-dichlorobenzene-d4	3855-82-1	-	-	-	-
chlorobenzene-d5	3114-55-4	-	-	-	-

16. OTHER INFORMATION

Prior Version Date: 12/15/16

Other Information: Any changes to the SDS compared to previous versions are marked by a vertical line in front of the concerned paragraph.

References: No data available

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding products described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

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. : 30225 Lot No.: A0176219
Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : September 30, 2026 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Bromochloromethane CAS # 74-97-5 Purity 99% (Lot 00008541)	2,016.0 µg/mL	+/- 11.9744 µg/mL Gravimetric +/- 113.0617 µg/mL Unstressed +/- 115.7059 µg/mL Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

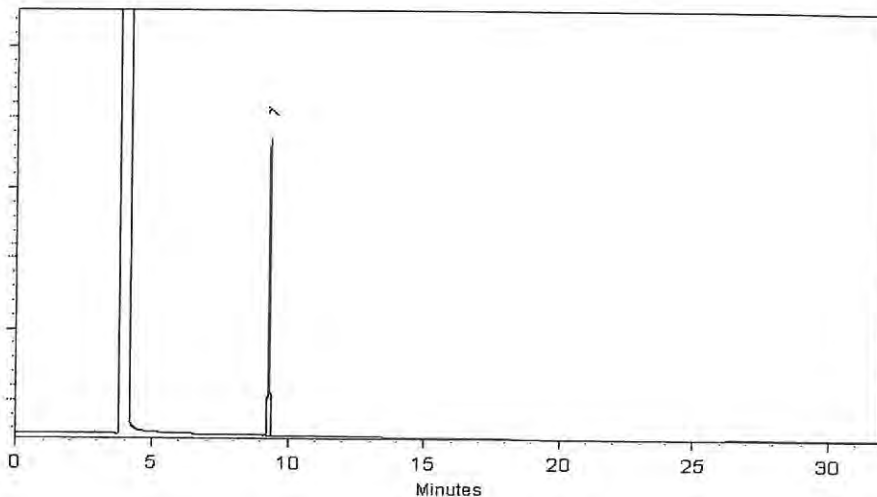
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dalton Stover
Dalton Stover - Operations Technician I

Date Mixed: 08-Sep-2021 Balance: 1128353505

Marlina Cowan
Marlina Cowan - Operations Tech I

Date Passed: 10-Sep-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ μ ECD, 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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Certificate of Analysis



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Catalog No. : 30225 Lot No.: A0176219
Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : September 30, 2026 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Bromochloromethane CAS # 74-97-5 Purity 99% (Lot 00008541)	2,016.0 µg/mL	+/- 11.9744 µg/mL Gravimetric +/- 113.0617 µg/mL Unstressed +/- 115.7059 µg/mL Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

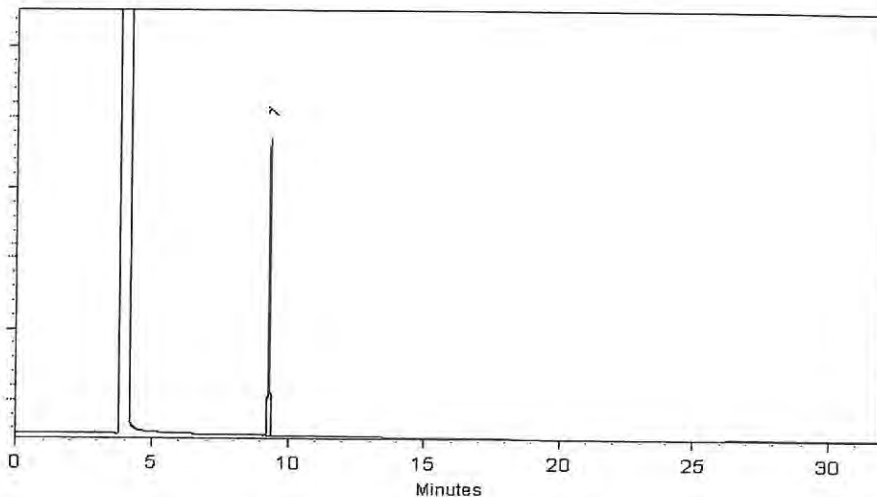
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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Dalton Stover
Dalton Stover - Operations Technician I

Date Mixed: 08-Sep-2021 Balance: 1128353505

Marlina Cowan
Marlina Cowan - Operations Tech I

Date Passed: 10-Sep-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Purity Notes:

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25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Catalog No. : 30225 Lot No.: A0176219
Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : September 30, 2026 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Bromochloromethane CAS # 74-97-5 Purity 99% (Lot 00008541)	2,016.0 µg/mL	+/- 11.9744 µg/mL Gravimetric +/- 113.0617 µg/mL Unstressed +/- 115.7059 µg/mL Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

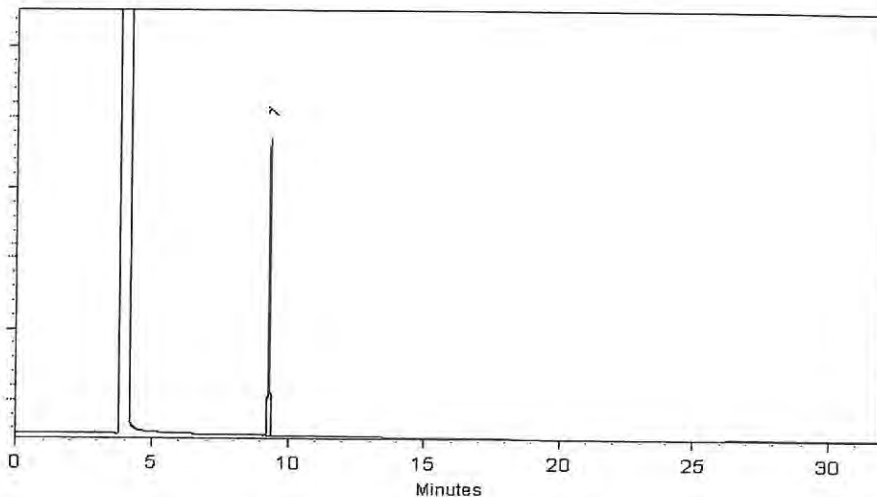
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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Dalton Stover
Dalton Stover - Operations Technician I

Date Mixed: 08-Sep-2021 Balance: 1128353505

Marlina Cowan
Marlina Cowan - Operations Tech I

Date Passed: 10-Sep-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity values are rounded to the nearest whole number.

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- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
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0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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CERTIFIED REFERENCE MATERIAL

Certificate of Composition



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0187421
Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : January 31, 2024 **Storage:** -20°C or colder
Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)				
1	Vinyl acetate		8,078.0 μg/mL	+/-	47.4062	μg/mL	Gravimetric	
	CAS #	108-05-4		(Lot RD220630)	+/-	487.4241	μg/mL	Unstressed
	Purity	99%		+/-	488.5812	μg/mL	Stressed	

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

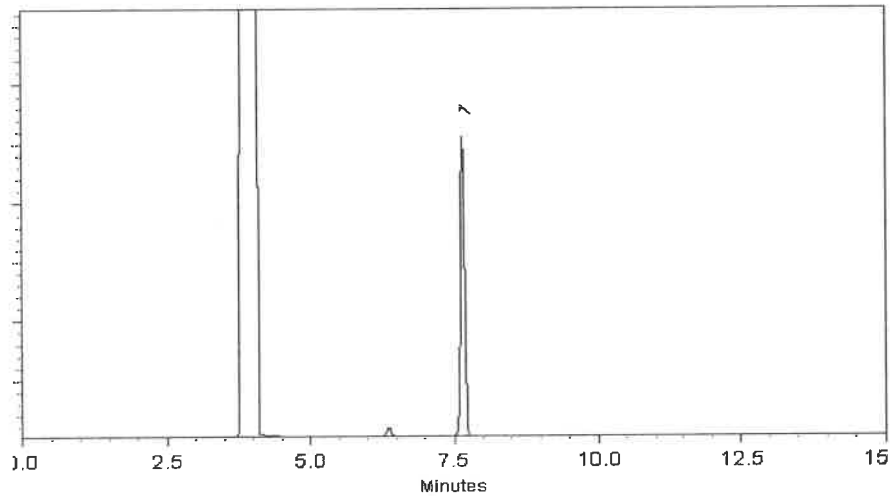
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

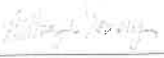
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Bethany Lowery - Operations Tech I

Date Mixed: 18-Jul-2022 **Balance:** B251644995


Fang-Yun Weaver - Operations Lead Tech - ARM QC

Date Passed: 26-Jul-2022 

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
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Certified Uncertainty Value Notes:

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Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
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Handling Notes:

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Certificate of Composition



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Catalog No. : 555408-SL **Lot No.:** A0187421
Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : January 31, 2024 **Storage:** -20°C or colder
Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)					
1	Vinyl acetate		8,078.0 µg/mL	+/-	47.4062	µg/mL	Gravimetric		
	CAS #	108-05-4			(Lot RD220630)	+/-	487.4241	µg/mL	Unstressed
	Purity	99%			+/-	488.5812	µg/mL	Stressed	

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

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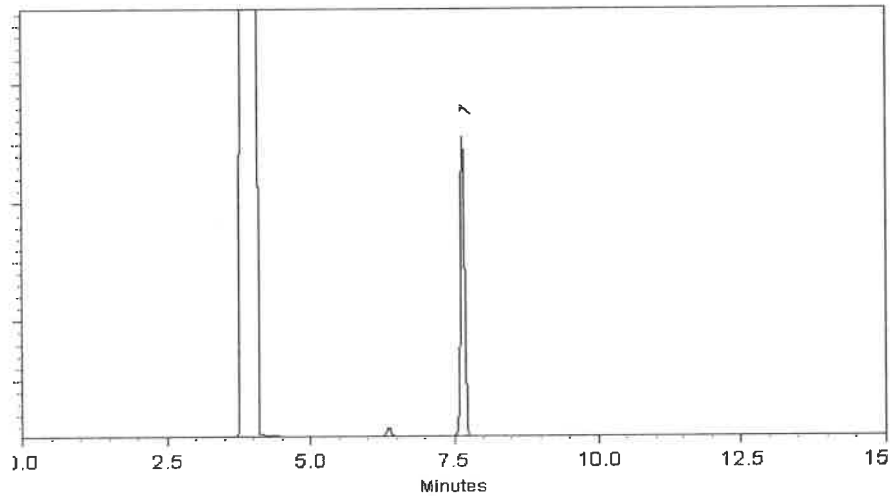
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
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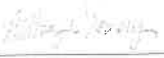
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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Bethany Lowery - Operations Tech I

Date Mixed: 18-Jul-2022 **Balance:** B251644995


Fang-Yun Weaver - Operations Lead Tech - ARM QC

Date Passed: 26-Jul-2022 

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

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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:

- 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.

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12) CAS # 75-71-8 Purity 99% (Lot 00012534)	2,019.1 µg/mL +/- 13.7336 +/- 113.4320 +/- 116.0758	Gravimetric Unstressed Stressed
2	Chloromethane (methyl chloride) CAS # 74-87-3 Purity 99% (Lot SHBK6571)	2,019.1 µg/mL +/- 14.0370 +/- 113.4702 +/- 116.1132	Gravimetric Unstressed Stressed
3	Vinyl chloride CAS # 75-01-4 Purity 99% (Lot 00015559)	2,018.0 µg/mL +/- 14.5590 +/- 113.4768 +/- 116.1169	Gravimetric Unstressed Stressed
4	Bromomethane (methyl bromide) CAS # 74-83-9 Purity 99% (Lot 101604)	2,017.0 µg/mL +/- 13.2023 +/- 113.2515 +/- 115.8939	Gravimetric Unstressed Stressed
5	Chloroethane (ethyl chloride) CAS # 75-00-3 Purity 99% (Lot 107-401039114-1)	2,019.0 µg/mL +/- 14.2283 +/- 113.4891 +/- 116.1314	Gravimetric Unstressed Stressed
6	Trichlorofluoromethane (CFC-11) CAS # 75-69-4 Purity 99% (Lot MKCL8411)	2,018.8 µg/mL +/- 16.3342 +/- 113.7612 +/- 116.3969	Gravimetric Unstressed Stressed

CERTIFIED VALUES

Catalog No.:	30042	Lot No.:	A0188819
Description:	502.2 Calibration Mix #1	502.2 Calibration Mix #1	
Container Size:	2 mL	Pkg Amt:	> 1 mL
Expiration Date:	April 30, 2029	Storage:	0°C or colder
		Ship:	Ambient

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.

Certificate of Analysis

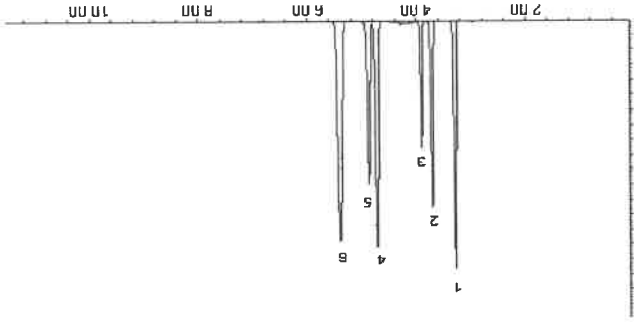
RESTEK CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309
www.restek.com



Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column: 60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)
Carrier Gas: helium-constant flow 2.0 mL/min.
Temp. Program: 40°C (hold 5 min.) to 100°C
@ 6°C/min.
Inj. Temp: 200°C
Det. Temp: 250°C
Det. Type: MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Miranda Kline
Miranda Kline - Operations Technician I
Date Mixed: 22-Aug-2022
Balance: B251644995

Christie Mills - Operations Tech II - ARM QC
Date Passed: 25-Aug-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)	< 25°C	≥ 25°C up to 7 days
-20°C or colder (Deep Freezer)		

- 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 environment conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2 mL 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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Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12) CAS # 75-71-8 Purity 99% (Lot 00012554)	2,019.1 µg/mL +/- 13.7336 +/- 113.4320 +/- 116.0758	Gravimetric Unstressed Stressed
2	Chloromethane (methyl chloride) CAS # 74-87-3 Purity 99% (Lot SHBK6571)	2,019.1 µg/mL +/- 14.0370 +/- 113.4702 +/- 116.1132	Gravimetric Unstressed Stressed
3	Vinyl chloride CAS # 75-01-4 Purity 99% (Lot 00015559)	2,018.0 µg/mL +/- 14.5590 +/- 113.4768 +/- 116.1169	Gravimetric Unstressed Stressed
4	Bromomethane (methyl bromide) CAS # 74-83-9 Purity 99% (Lot 101604)	2,017.0 µg/mL +/- 13.2023 +/- 113.2515 +/- 115.8939	Gravimetric Unstressed Stressed
5	Chloroethane (ethyl chloride) CAS # 75-00-3 Purity 99% (Lot 107-401039114-1)	2,019.0 µg/mL +/- 14.2283 +/- 113.4891 +/- 116.1314	Gravimetric Unstressed Stressed
6	Trichlorofluoromethane (CFC-11) CAS # 75-69-4 Purity 99% (Lot MKCL8411)	2,018.8 µg/mL +/- 16.3342 +/- 113.7612 +/- 116.3969	Gravimetric Unstressed Stressed

CERTIFIED VALUES

Catalog No.:	30042	Lot No.:	A0188819
Description:	502.2 Calibration Mix #1	502.2 Calibration Mix #1	
Container Size:	2 mL	Pkg Amt:	> 1 mL
Expiration Date:	April 30, 2029	Storage:	0°C or colder
		Ship:	Ambient

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.

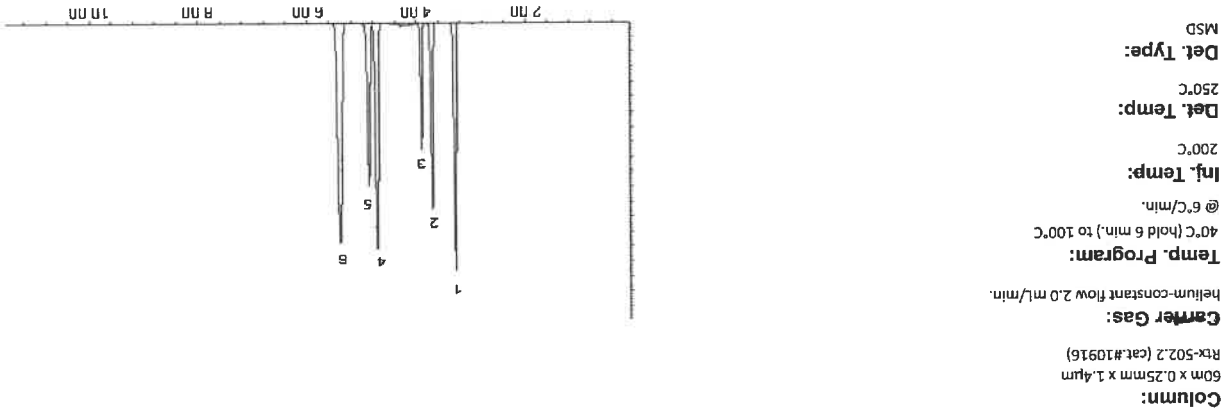


Certificate of Analysis

RESTEK CERTIFIED REFERENCE MATERIAL

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Fax: (814)353-1309
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Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%



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.

<i>Miranda Kline</i> Miranda Kline - Operations Technician I		Date Mixed: 22-Aug-2022	Balance: B251644995
<i>Christie Mills</i> Christie Mills - Operations Tech II - ARM QC		Date Passed: 25-Aug-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)	< 25°C	≥ 25°C up to 7 days
-20°C or colder (Deep Freezer)		

- 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 environment conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2 mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



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)

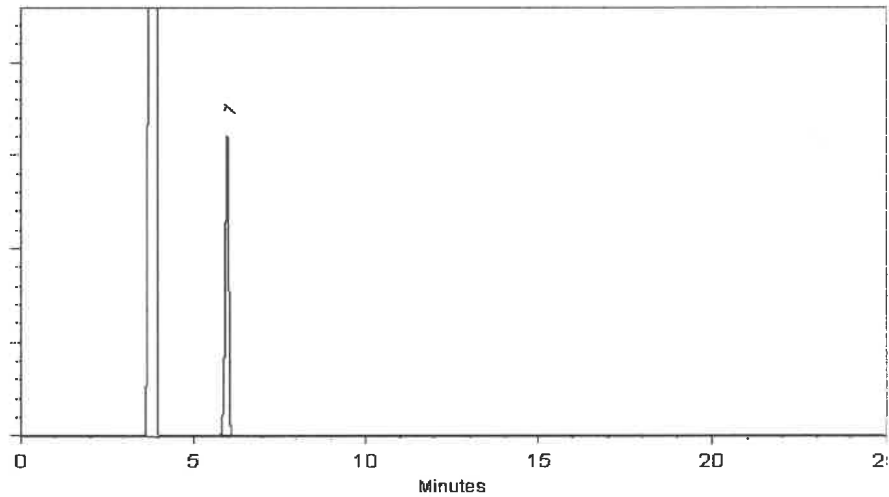
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

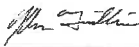
Inj. Temp:
200°C

Det. Temp:
250°C

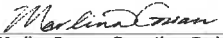
Det. Type:
FID



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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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. : 30006 Lot No.: A0190554

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 : January 31, 2026 Storage: 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Acetone CAS # 67-64-1 (Lot 103138L01T) Purity 99%	5,006.0 µg/mL	+/- 29.1053 µg/mL Gravimetric +/- 302.0342 µg/mL Unstressed +/- 302.7512 µg/mL Stressed
2	2-Butanone (MEK) CAS # 78-93-3 (Lot SHBN2844) Purity 99%	5,002.3 µg/mL	+/- 29.0840 µg/mL Gravimetric +/- 301.8129 µg/mL Unstressed +/- 302.5295 µg/mL Stressed
3	4-Methyl-2-pentanone (MIBK) CAS # 108-10-1 (Lot SHBP4724) Purity 99%	5,001.7 µg/mL	+/- 29.0801 µg/mL Gravimetric +/- 301.7727 µg/mL Unstressed +/- 302.4892 µg/mL Stressed
4	2-Hexanone CAS # 591-78-6 (Lot MKCQ6663) Purity 99%	5,000.8 µg/mL	+/- 29.0753 µg/mL Gravimetric +/- 301.7224 µg/mL Unstressed +/- 302.4388 µg/mL Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

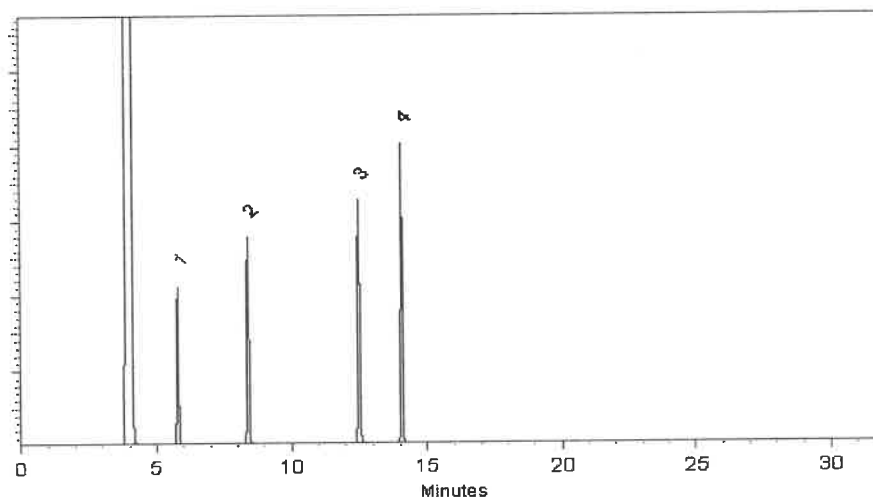
200°C

Det. Temp:

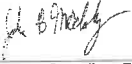
250°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Josh McCloskey - Operations Technician I

Date Mixed: 13-Oct-2022

Balance: B707717271


Fang-Yun Weaver - Operations Lead Tech - ARM QC

Date Passed: 17-Oct-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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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. : 30006 Lot No.: A0190554

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 : January 31, 2026 Storage: 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Acetone	5,006.0 µg/mL	+/- 29.1053 µg/mL Gravimetric
	CAS # 67-64-1 (Lot 103138L01T)		+/- 302.0342 µg/mL Unstressed
	Purity 99%		+/- 302.7512 µg/mL Stressed
2	2-Butanone (MEK)	5,002.3 µg/mL	+/- 29.0840 µg/mL Gravimetric
	CAS # 78-93-3 (Lot SHBN2844)		+/- 301.8129 µg/mL Unstressed
	Purity 99%		+/- 302.5295 µg/mL Stressed
3	4-Methyl-2-pentanone (MIBK)	5,001.7 µg/mL	+/- 29.0801 µg/mL Gravimetric
	CAS # 108-10-1 (Lot SHBP4724)		+/- 301.7727 µg/mL Unstressed
	Purity 99%		+/- 302.4892 µg/mL Stressed
4	2-Hexanone	5,000.8 µg/mL	+/- 29.0753 µg/mL Gravimetric
	CAS # 591-78-6 (Lot MKCQ6663)		+/- 301.7224 µg/mL Unstressed
	Purity 99%		+/- 302.4388 µg/mL Stressed

Solvent: P&T Methanol/Water (90:10)

CAS # 67-56-1/7732-18-5

Purity 99%

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

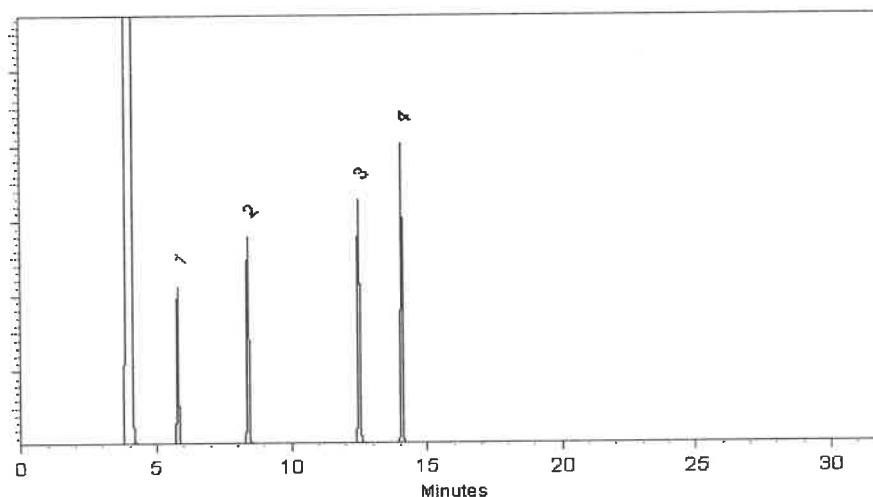
200°C

Det. Temp:

250°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Josh McCloskey - Operations Technician I

Date Mixed: 13-Oct-2022

Balance: B707717271


Fang-Yun Weaver - Operations Lead Tech - ARM QC

Date Passed: 17-Oct-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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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. : 30006 **Lot No.:** A0190554

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 : January 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Acetone CAS # 67-64-1 (Lot 103138L01T) Purity 99%	5,006.0 µg/mL	+/- 29.1053 µg/mL Gravimetric
			+/- 302.0342 µg/mL Unstressed
			+/- 302.7512 µg/mL Stressed
2	2-Butanone (MEK) CAS # 78-93-3 (Lot SHBN2844) Purity 99%	5,002.3 µg/mL	+/- 29.0840 µg/mL Gravimetric
			+/- 301.8129 µg/mL Unstressed
			+/- 302.5295 µg/mL Stressed
3	4-Methyl-2-pentanone (MIBK) CAS # 108-10-1 (Lot SHBP4724) Purity 99%	5,001.7 µg/mL	+/- 29.0801 µg/mL Gravimetric
			+/- 301.7727 µg/mL Unstressed
			+/- 302.4892 µg/mL Stressed
4	2-Hexanone CAS # 591-78-6 (Lot MKCQ6663) Purity 99%	5,000.8 µg/mL	+/- 29.0753 µg/mL Gravimetric
			+/- 301.7224 µg/mL Unstressed
			+/- 302.4388 µg/mL Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

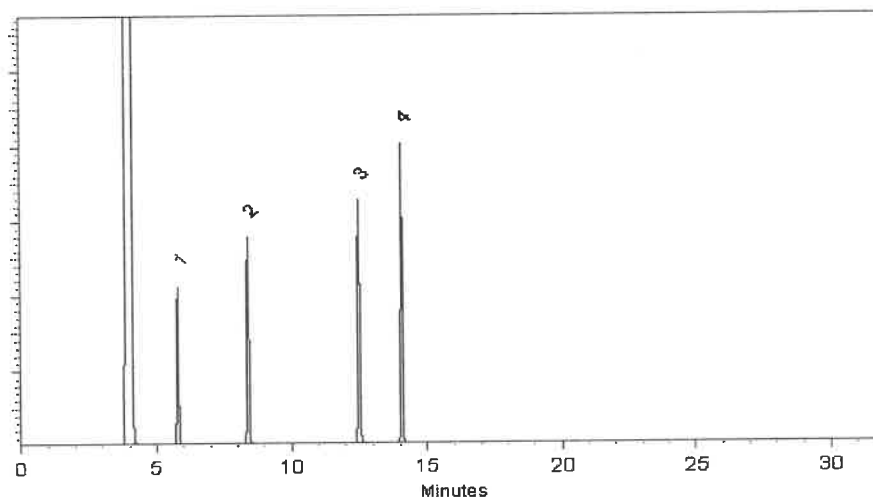
200°C

Det. Temp:

250°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Josh McCloskey - Operations Technician I

Date Mixed: 13-Oct-2022

Balance: B707717271


Fang-Yun Weaver - Operations Lead Tech - ARM QC

Date Passed: 17-Oct-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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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. : 30067 Lot No.: A0147670
Description : 4-Bromofluorobenzene Standard
4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol,
1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : April 30, 2024 Storage: 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	1-Bromo-4-fluorobenzene (BFB)	2,511.0 µg/mL	+/-	14.7360	µg/mL	Gravimetric
	CAS # 460-00-4 (Lot 20401KO)		+/-	140.8035	µg/mL	Unstressed
	Purity 99%		+/-	144.0975	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:

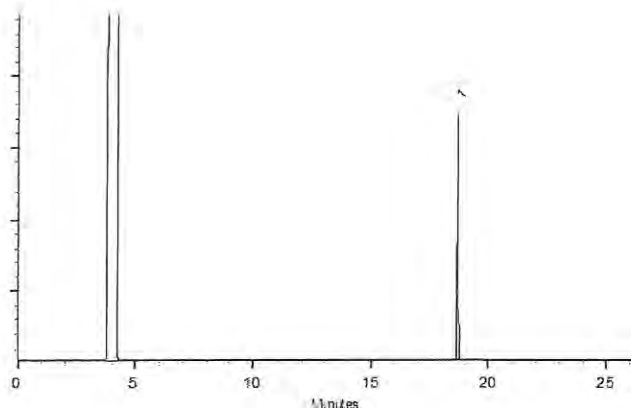
200°C

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.

Dustin Lidgett - Mix Technician

Date Mixed: 01-Apr-2019

Balance: 1127510105

Justine Alberson - Operations Tech-ARM QC

Date Passed: 04-Apr-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

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)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



CERTIFIED WEIGHT REPORT

Part Number: 95319
Lot Number: 032922
Description: Revised Additions Mix

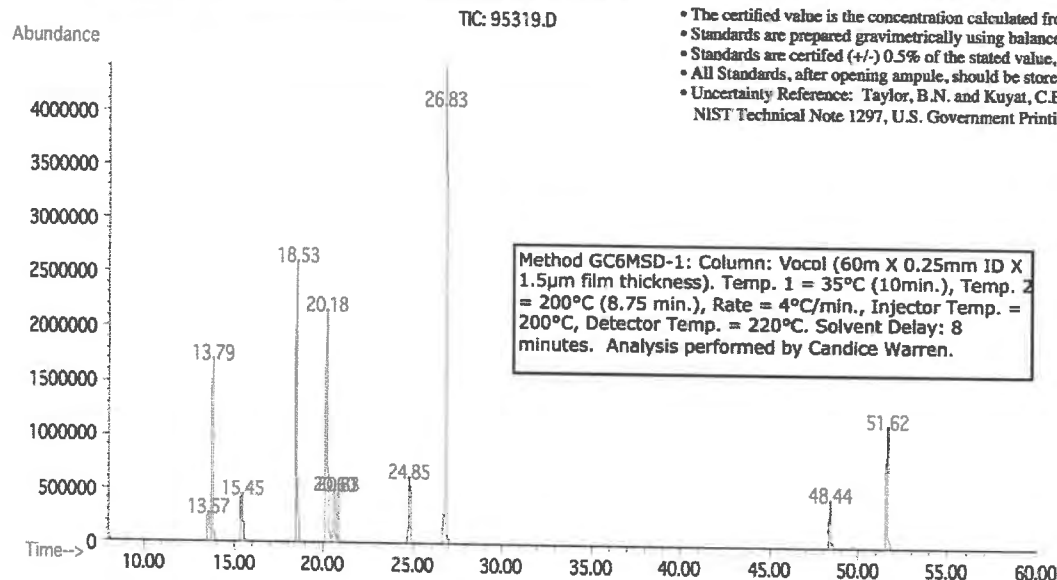
Solvent(s): Methanol
Lot# EC592-US

Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 100.0
5E-05 Balance Uncertainty
0.012 Flask Uncertainty

		032922
Formulated By:	Prashant Chauhan	DATE
		032922
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	ori-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	ori-rat 2670mg/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)	ori-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	ori-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)	ori-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)	ori-gpg 4970mg/kg
7. Methylcyclohexane	1627	08046KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	ori-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	ori-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)	ori-rat 1850mg/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	ori-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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

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 Rossetto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2022

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	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (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: 95319
Lot Number: 032922
Description: Revised Additions Mix

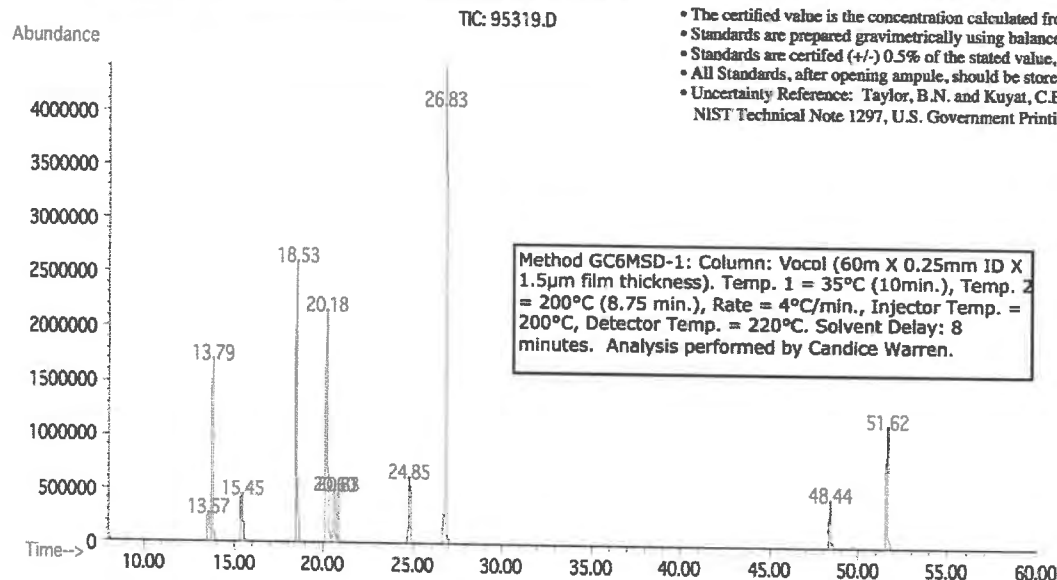
Solvent(s): Methanol
Lot# EC592-US

Expiration Date: 032925
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 100.0
5E-05 Balance Uncertainty
0.012 Flask Uncertainty

		032922
Formulated By:	Prashant Chauhan	DATE
		032922
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01015	1.01030	10001.5	40.5	107-13-1	N/A	ori-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	ori-rat 2670mg/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)	ori-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-20-3	500 ppm (2100mg/m3/8H)	ori-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04080	4.04100	40004.0	161.9	123-91-1	25 ppm (90mg/m3/8H)(skin)	ori-mus 5700mg/kg
6. Hexachloroethane	199	12804HBV	2000	99	0.2	0.20203	0.20213	2001.0	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	ori-gpg 4970mg/kg
7. Methylcyclohexane	1827	08048KN	2000	99	0.2	0.20203	0.20215	2001.2	8.2	108-87-2	N/A	N/A
8. Methyl tert-butyl ether (MTBE)	209	02197JJ	2000	99.8	0.2	0.20041	0.20055	2001.4	8.1	1634-04-4	N/A	ori-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02030	2.02045	20001.5	81.0	107-12-0	N/A	ori-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)	ori-rat 1850mg/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	ori-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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

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 Rossetto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2022

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	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (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.

SHIPPING DOCUMENTS

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64373
2040493

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.: 53343-17 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#: 53343-17

ADDRESS: 1563 Lyell Ave

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: 5 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: NYS DEC Equis EXCEL

TCLVOCs + TSS \$760

PRESERVATIVES

COMMENTS

← Specify Preservatives

A-HCl D-NaOH

B-HNO3 E-ICE

C-H2SO4 F-OTHER

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	A/E	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME			1	2	3	4	5	6	7	8	9	
1.	1041 - MW - 01 (23)	GW		X	9/6/23	0925	2	X										
2.	1042 - MW - 02 (23.8)	GW		X	9/6/23	0930	6	X										
3.	1043 - MW - 03A (17)	GW		X	9/6/23	0940	2	X										
4.	1044 - MW - 11 (15)	GW		X	9/6/23	0915	2	X										
5.	1045 - MW - 17A (15.5)	GW		X	9/6/23	0945	2	X										
6.	1046 - FB 090623	AR		X	9/6/23	0950	2	X										
7.	1047 - TB 090623	AR		X	9/6/23	-	2	X										
8.																		
9.																		
10.																		

Also do MS/MSD

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <i>[Signature]</i>	DATE/TIME: 9-6-23/1130	RECEIVED BY: 1. FED-EX	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 5.9°C Comments:
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	
RELINQUISHED BY SAMPLER: 3. FedEx	DATE/TIME: 9-8-23	RECEIVED BY: 3. <i>[Signature]</i>	

Page 1 of 1

 CLIENT: ☐ Hand Delivered ☐ Other
 CHEMTECH: ☐ Picked Up ☐ Field Sampling

 Shipment Complete
☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Maine	2022022
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-21-00137
Texas	T104704488-23-16

Order ID : O4373 DAYE01

Order Date : 9/8/2023 2:45:00 PM

Project Mgr : Samantha

Client Name : Day Environmental, Inc.

Project Name : Andrews St. Site

Report Type : NYS ASP B

Client Contact : Jeff Danzinger

Receive DateTime : 9/8/2023 11:30:00 AM

EDD Type : Equis_EQNYDEC/Excel

Invoice Name : Day Environmental, Inc.

Purchase Order : 14:00

Hard Copy Date :

Invoice Contact : Jeff Danzinger

Date Signoff : 9/8/2023 3:41:48 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
O4373-01	1041-MW-01(23)	Water	09/06/2023	09:25	VOC-TCLVOA-10		8260-Low	5 Bus. Days	
O4373-02	1042-MW-02(23.8)	Water	09/06/2023	09:30	VOC-TCLVOA-10		8260-Low	5 Bus. Days	
O4373-03	1043-MW-03A(17)	Water	09/06/2023	09:40	VOC-TCLVOA-10		8260-Low	5 Bus. Days	
O4373-04	1044-MW-11(15)	Water	09/06/2023	09:15	VOC-TCLVOA-10		8260-Low	5 Bus. Days	
O4373-05	1045-MW-17A(15.5)	Water	09/06/2023	09:45	VOC-TCLVOA-10		8260-Low	5 Bus. Days	
O4373-06	1046-FB090623	Water	09/06/2023	09:50	VOC-TCLVOA-10		8260-Low	5 Bus. Days	
O4373-07	1047-TB-090623	Water	09/06/2023	09:50	VOC-TCLVOA-10		8260-Low	5 Bus. Days	
O4373-08	O4373-02MS	Water	09/06/2023	00:00	VOC-TCLVOA-10		8260-Low	5 Bus. Days	
O4373-09	O4373-02MSD	Water	09/06/2023	00:00	VOC-TCLVOA-10		8260-Low	5 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : O4373 DAYE01

Client Name : Day Environmental, Inc.

Client Contact : Jeff Danzinger

Invoice Name : Day Environmental, Inc.

Invoice Contact : Jeff Danzinger

Order Date : 9/8/2023 2:45:00 PM

Project Name : Andrews St. Site

Receive DateTime : 9/8/2023 11:30:00 AM

Purchase Order : 14:00

Project Mgr : Samantha

Report Type : NYS ASP B

EDD Type : Equis_EQNYDEC/Excel

Hard Copy Date :

Date Signoff : 9/8/2023 3:41:48 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260-Low	5 Bus. Days	

Relinquished By : CDDate / Time : 9/8/23 1600Received By : [Signature]Date / Time : 9/8/23 1600

Storage Area : VOA Refridgerator Room

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Andrew St.
Chemtech SDG#O4373
November 17, 2023
Sampling date: 9/6/2023

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Andrew St.
SDG# O4373

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Day Environmental, project located at Andrew St., Chemtech, SDG#O4373 submitted to Vali-Data of WNY, LLC on October 3, 2023. 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	1041-MW-01(23)	O4373-01
2	1042-MW-02(23.8)	O4373-02
3	1043-MW-03A(17)	O4373-03
4	1044-MW-11(15)	O4373-04
5	1045-MW-17A(15.5)	O4373-05
6	1046-FB090623	O4373-06
7	1047-TB090623	O4373-07
8	1042-MW-02(23.8)MS	O4373-08
9	1042-MW-02(23.8)MSD	O4373-09

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.

Andrew St.
SDG# O4373

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Compound Quantitation and MS/MSD.

Samples: DUSR ID#1 and #3 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 1,2-Dichloroethane-d₄ was outside QC limits, high in DUSR ID#8 and #9. The target analytes below should be qualified as estimated high in these samples.

Dichlorodifluoromethane	1,1,2-Trichlorotrifluoroethane	Methyl tert-butyl ether
Chloromethane	Acetone	1,1-Dichloroethane
Vinyl chloride	Carbon disulfide	cis-1,2-Dichloroethene
Bromomethane	Methyl acetate	2-Butanone
Chloroethane	Bromochloromethane	Chloroform
Trichlorofluoromethane	Methylene chloride	1,2-Dichloroethane
1,1-Dichloroethene	trans-1,2-Dichloroethene	

METHOD BLANK

All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD

All criteria were met except some target analytes were outside QC limits in the matrix spike and matrix spike duplicate and should be qualified as estimated. These target analytes should be qualified in the associated sample.

Target Analyte	%Rec 8MS	%Rec 9MSD	Qualifier	Associated Sample
Acetone	141	145	JH	2
2-Butanone	138	142	JH	2
cis-1,2-Dichloroethene	170	170	JH	2

Some target analytes were outside QC limits high but were not detected in the associated samples, so no further action is required.

Some target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

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
6	Acetone	31.0	JH	1-5
6	2-Butanone	10.5	JH	4
6	2-Butanone	10.5	U at RL	1-3, 5
6	4-Methyl-2-pentanone	2.3	U at RL	1-5

Several TICs were detected in the sample blanks above the qualification level. They were not detected in the associated samples, so no further action is required.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were used on target analytes in which the %RSD>20%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met.

GC/MS PERFORMANCE CHECK

All criteria were met.

CASE NARRATIVE

Day Environmental, Inc.

Project Name: Andrews St. Site

Project # N/A

Chemtech Project # O4373

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

9 Water samples were received on 09/08/2023.

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_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI 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 1042-MW-02(23.8)MS [1,2-Dichloroethane-d4 - 132%], 1042-MW-02(23.8)MSD [1 and 2-Dichloroethane-d4 - 134%] MS-MSD failing for surrogate but original sample is passing for that therefore no corrective action taken.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS {O4373-08MS} with File ID: VX037705.D recoveries met the requirements for all compounds except for 1,1,2-Trichloroethane[121%], 1,2-Dibromoethane[122%], 2-Butanone[138%], Acetone[141%], Bromochloromethane[133%], Chloroform[124%], cis-1,2-Dichloroethene[170%], Dibromochloromethane[122%] and Methylene Chloride[136%], due to matrix interference.

The MSD {O4373-09MSD} with File ID: VX037706.D recoveries met the acceptable requirements except for 1,1,2-Trichloroethane[121%], 1,2-Dibromoethane[121%], 2-Butanone[142%], Acetone[145%], Bromochloromethane[135%], Chloroform[123%], cis-1,2-Dichloroethene[170%], Dibromochloromethane[121%], Methylcyclohexane[62%] and Methylene Chloride[140%], due to matrix interference.

The RPD met criteria .

The Blank Spike met requirements for all samples .

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

The %RSD is greater than 20% in the Initial Calibration method (82X091123W.M) for Methylene Chloride, this compound is passing on Linear Regression.

The Continuous Calibration File ID VX037683.D met the requirements except for Bromoform failing marginally high therefore no corrective action taken.

The Tuning criteria met requirements.

Samples 1041-MW-01(23), 1043-MW-03A(17) 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.

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 10:47 am, Sep 22, 2023

Surrogate Summary

SDG No.: **O4373**

Client: **Day Environmental, Inc.**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
O4373-01	1041-MW-01(23)	1,2-Dichloroethane-d4	50	43.0	86	74	125
		Dibromofluoromethane	50	44.4	89	75	124
		Toluene-d8	50	46.2	92	86	113
		4-Bromofluorobenzene	50	41.4	83	64	133
O4373-01DL	1041-MW-01(23)DL	1,2-Dichloroethane-d4	50	42.8	86	74	125
		Dibromofluoromethane	50	45.7	91	75	124
		Toluene-d8	50	45.6	91	86	113
		4-Bromofluorobenzene	50	43.4	87	64	133
O4373-02	1042-MW-02(23.8)	1,2-Dichloroethane-d4	50	46.3	93	74	125
		Dibromofluoromethane	50	45.8	92	75	124
		Toluene-d8	50	45.9	92	86	113
		4-Bromofluorobenzene	50	42.4	85	64	133
O4373-03	1043-MW-03A(17)	1,2-Dichloroethane-d4	50	46.5	93	74	125
		Dibromofluoromethane	50	45.8	92	75	124
		Toluene-d8	50	46.0	92	86	113
		4-Bromofluorobenzene	50	42.6	85	64	133
O4373-03DL	1043-MW-03A(17)DL	1,2-Dichloroethane-d4	50	43.3	87	74	125
		Dibromofluoromethane	50	45.0	90	75	124
		Toluene-d8	50	45.4	91	86	113
		4-Bromofluorobenzene	50	43.3	87	64	133
O4373-04	1044-MW-11(15)	1,2-Dichloroethane-d4	50	43.7	87	74	125
		Dibromofluoromethane	50	45.4	91	75	124
		Toluene-d8	50	45.5	91	86	113
		4-Bromofluorobenzene	50	43.0	86	64	133
O4373-05	1045-MW-17A(15.5)	1,2-Dichloroethane-d4	50	42.8	86	74	125
		Dibromofluoromethane	50	44.6	89	75	124
		Toluene-d8	50	46.1	92	86	113
		4-Bromofluorobenzene	50	41.0	82	64	133
O4373-06	1046-FB090623	1,2-Dichloroethane-d4	50	42.4	85	74	125
		Dibromofluoromethane	50	45.0	90	75	124
		Toluene-d8	50	45.2	90	86	113
		4-Bromofluorobenzene	50	41.7	83	64	133
O4373-07	1047-TB-090623	1,2-Dichloroethane-d4	50	46.4	93	74	125
		Dibromofluoromethane	50	45.6	91	75	124
		Toluene-d8	50	46.1	92	86	113
		4-Bromofluorobenzene	50	42.5	85	64	133
O4373-08MS	1042-MW-02(23.8)MS	1,2-Dichloroethane-d4	50	66.1	132 *	74	125
		Dibromofluoromethane	50	56.0	112	75	124
		Toluene-d8	50	51.7	103	86	113
		4-Bromofluorobenzene	50	52.8	106	64	133
O4373-09MSD	1042-MW-02(23.8)MSD	1,2-Dichloroethane-d4	50	67.1	134 *	74	125
		Dibromofluoromethane	50	57.0	114	75	124
		Toluene-d8	50	51.4	103	86	113
		4-Bromofluorobenzene	50	54.1	108	64	133
VX0912WBL01	VX0912WBL01	1,2-Dichloroethane-d4	50	43.7	87	74	125
		Dibromofluoromethane	50	45.2	90	75	124
		Toluene-d8	50	45.7	91	86	113
		4-Bromofluorobenzene	50	42.5	85	64	133
VX0912WBS01	VX0912WBS01	1,2-Dichloroethane-d4	50	45.9	92	74	125
		Dibromofluoromethane	50	50.2	100	75	124
		Toluene-d8	50	53.7	107	86	113
		4-Bromofluorobenzene	50	53.9	108	64	133

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: 04373

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

		Sample		Rec			RPD		Limits		
Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID :	O4373-08MS	Client Sample ID :	1042-MW-02(23.8)MS					Datafile :	VX037705.D		
Dichlorodifluoromethane	50	0	36.9	ug/L	74				73	120	
Chloromethane	50	0	53.2	ug/L	106				58	133	
Vinyl chloride	50	1.60	48.9	ug/L	95				69	125	
Bromomethane	50	0	46.1	ug/L	92				61	120	
Chloroethane	50	0	51.7	ug/L	103				58	134	
Trichlorofluoromethane	50	0	43.8	ug/L	88				72	124	
1,1,2-Trichlorotrifluoroethane	50	0	39.7	ug/L	79				75	117	
1,1-Dichloroethene	50	0	51.4	ug/L	103				77	118	
Acetone	250	8.60	360	ug/L	141	*			57	139	
Carbon disulfide	50	0	45.1	ug/L	90				67	118	
Methyl tert-butyl Ether	50	0	68.9	ug/L	138				60	148	
Methyl Acetate	50	0	55.6	ug/L	111				60	133	
Methylene Chloride	50	0	67.9	ug/L	136	*			79	115	
trans-1,2-Dichloroethene	50	0.53	56.1	ug/L	111				76	118	
1,1-Dichloroethane	50	0	59.9	ug/L	120				78	122	
Cyclohexane	50	0	42.9	ug/L	86				71	119	
2-Butanone	250	3.90	350	ug/L	138	*			67	137	
Carbon Tetrachloride	50	0	42.6	ug/L	85				66	133	
cis-1,2-Dichloroethene	50	25.1	110	ug/L	170	*			82	124	
Bromochloromethane	50	0	66.3	ug/L	133	*			72	130	
Chloroform	50	0	61.9	ug/L	124	*			83	119	
1,1,1-Trichloroethane	50	0	54.0	ug/L	108				83	117	
Methylcyclohexane	50	0	32.1	ug/L	64				64	120	
Benzene	50	0	51.4	ug/L	103				63	133	
1,2-Dichloroethane	50	0	54.8	ug/L	110				76	120	
Trichloroethene	50	16.6	74.5	ug/L	116				45	161	
1,2-Dichloropropane	50	0	55.1	ug/L	110				85	116	
Bromodichloromethane	50	0	56.6	ug/L	113				86	117	
4-Methyl-2-Pentanone	250	4.60	310	ug/L	122				72	137	
Toluene	50	0	50.7	ug/L	101				85	115	
t-1,3-Dichloropropene	50	0	51.4	ug/L	103				60	141	
cis-1,3-Dichloropropene	50	0	49.9	ug/L	100				77	115	
1,1,2-Trichloroethane	50	0	60.3	ug/L	121	*			87	119	
2-Hexanone	250	0	300	ug/L	120				75	131	
Dibromochloromethane	50	0	61.1	ug/L	122	*			88	118	
1,2-Dibromoethane	50	0	60.8	ug/L	122	*			85	119	
Tetrachloroethene	50	37.0	94.4	ug/L	115				48	153	
Chlorobenzene	50	0	49.6	ug/L	99				85	114	
Ethyl Benzene	50	0	45.5	ug/L	91				62	134	
m/p-Xylenes	100	0	92.7	ug/L	93				69	129	
o-Xylene	50	0	49.4	ug/L	99				75	127	
Styrene	50	0	50.9	ug/L	102				84	128	
Bromoform	50	0	60.1	ug/L	120				83	121	
Isopropylbenzene	50	0	45.9	ug/L	92				76	121	
1,1,2,2-Tetrachloroethane	50	0	57.7	ug/L	115				81	131	
1,3-Dichlorobenzene	50	0	48.1	ug/L	96				84	110	
1,4-Dichlorobenzene	50	0	48.4	ug/L	97				81	111	

Matrix Spike/Matrix Spike Duplicate Summary SW-846

SDG No.: 04373

Client: Day Environmental, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample	Result	Units	Rec		RPD	RPD		Limits		RPD
		Result			Qual	Qual		Low	High			
Lab Sample ID :	O4373-09MSD	Client Sample ID :	1042-MW-02(23.8)MSD					Datafile :	VX037706.D			
Dichlorodifluoromethane	50	0	37.2	ug/L	74		1		73	120	20	
Chloromethane	50	0	53.5	ug/L	107		1		58	133	20	
Vinyl chloride	50	1.60	48.6	ug/L	94		1		69	125	20	
Bromomethane	50	0	45.5	ug/L	91		1		61	120	20	
Chloroethane	50	0	52.1	ug/L	104		1		58	134	20	
Trichlorofluoromethane	50	0	42.4	ug/L	85		3		72	124	20	
1,1,2-Trichlorotrifluoroethane	50	0	39.2	ug/L	78		1		75	117	20	
1,1-Dichloroethene	50	0	50.1	ug/L	100		3		77	118	20	
Acetone	250	8.60	370	ug/L	145	*	3		57	139	20	
Carbon disulfide	50	0	44.8	ug/L	90		1		67	118	20	
Methyl tert-butyl Ether	50	0	69.3	ug/L	139		1		60	148	20	
Methyl Acetate	50	0	54.9	ug/L	110		1		60	133	20	
Methylene Chloride	50	0	69.8	ug/L	140	*	3		79	115	20	
trans-1,2-Dichloroethene	50	0.53	55.5	ug/L	110		1		76	118	20	
1,1-Dichloroethane	50	0	59.1	ug/L	118		1		78	122	20	
Cyclohexane	50	0	41.8	ug/L	84		3		71	119	20	
2-Butanone	250	3.90	360	ug/L	142	*	3		67	137	20	
Carbon Tetrachloride	50	0	41.2	ug/L	82		3		66	133	20	
cis-1,2-Dichloroethene	50	25.1	110	ug/L	170	*	0		82	124	20	
Bromochloromethane	50	0	67.7	ug/L	135	*	2		72	130	20	
Chloroform	50	0	61.6	ug/L	123	*	0		83	119	20	
1,1,1-Trichloroethane	50	0	53.1	ug/L	106		2		83	117	20	
Methylcyclohexane	50	0	30.8	ug/L	62	*	4		64	120	20	
Benzene	50	0	50.8	ug/L	102		1		63	133	20	
1,2-Dichloroethane	50	0	54.7	ug/L	109		0		76	120	20	
Trichloroethene	50	16.6	72.8	ug/L	112		4		45	161	20	
1,2-Dichloropropane	50	0	54.3	ug/L	109		1		85	116	20	
Bromodichloromethane	50	0	57.1	ug/L	114		1		86	117	20	
4-Methyl-2-Pentanone	250	4.60	310	ug/L	122		0		72	137	20	
Toluene	50	0	49.5	ug/L	99		2		85	115	20	
t-1,3-Dichloropropene	50	0	51.0	ug/L	102		1		60	141	20	
cis-1,3-Dichloropropene	50	0	49.4	ug/L	99		1		77	115	20	
1,1,2-Trichloroethane	50	0	60.7	ug/L	121	*	1		87	119	20	
2-Hexanone	250	0	310	ug/L	124		3		75	131	20	
Dibromochloromethane	50	0	60.6	ug/L	121	*	1		88	118	20	
1,2-Dibromoethane	50	0	60.6	ug/L	121	*	0		85	119	20	
Tetrachloroethene	50	37.0	92.3	ug/L	111		4		48	153	20	
Chlorobenzene	50	0	48.7	ug/L	97		2		85	114	20	
Ethyl Benzene	50	0	44.7	ug/L	89		2		62	134	20	
m/p-Xylenes	100	0	91.0	ug/L	91		2		69	129	20	
o-Xylene	50	0	49.1	ug/L	98		1		75	127	20	
Styrene	50	0	51.2	ug/L	102		1		84	128	20	
Bromoform	50	0	59.9	ug/L	120		0		83	121	20	
Isopropylbenzene	50	0	44.1	ug/L	88		4		76	121	20	
1,1,2,2-Tetrachloroethane	50	0	57.4	ug/L	115		1		81	131	20	
1,3-Dichlorobenzene	50	0	48.2	ug/L	96		0		84	110	20	
1,4-Dichlorobenzene	50	0	47.4	ug/L	95		2		81	111	20	



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1041-MW-01(23)	SDG No.:	O4373
Lab Sample ID:	O4373-01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037672.D	1		09/12/23 16:37	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.40		0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	10.8		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.42	J	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	4.10	J	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	23.0		0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	34.6		0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.80	J	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1041-MW-01(23)	SDG No.:	O4373
Lab Sample ID:	O4373-01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037672.D	1		09/12/23 16:37	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	230	E	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	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	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	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	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.0		74 - 125	86%	SPK: 50
1868-53-7	Dibromofluoromethane	44.4		75 - 124	89%	SPK: 50
2037-26-5	Toluene-d8	46.2		86 - 113	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.4		64 - 133	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	202000	5.556			
540-36-3	1,4-Difluorobenzene	350000	6.763			
3114-55-4	Chlorobenzene-d5	313000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	130000	12.024			



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1041-MW-01(23)	SDG No.:	O4373
Lab Sample ID:	O4373-01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037672.D	1		09/12/23 16:37	VX091223

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:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1041-MW-01(23)DL	SDG No.:	O4373
Lab Sample ID:	O4373-01DL	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037688.D	10		09/13/23 12:27	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	10.0	UD	1.40	10.0	ug/L
74-87-3	Chloromethane	10.0	UD	2.50	10.0	ug/L
75-01-4	Vinyl Chloride	10.0	UD	2.50	10.0	ug/L
74-83-9	Bromomethane	50.0	UD	15.5	50.0	ug/L
75-00-3	Chloroethane	10.0	UD	2.80	10.0	ug/L
75-69-4	Trichlorofluoromethane	10.0	UD	1.30	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10.0	UD	2.10	10.0	ug/L
75-35-4	1,1-Dichloroethene	10.0	UD	2.10	10.0	ug/L
67-64-1	Acetone	31.1	JD	11.5	50.0	ug/L
75-15-0	Carbon Disulfide	10.0	UD	2.70	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	10.0	UD	1.40	10.0	ug/L
79-20-9	Methyl Acetate	10.0	UD	3.60	10.0	ug/L
75-09-2	Methylene Chloride	10.0	UD	5.00	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	10.0	UD	1.70	10.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	UD	1.60	10.0	ug/L
110-82-7	Cyclohexane	50.0	UD	16.0	50.0	ug/L
78-93-3	2-Butanone	50.0	UD	12.1	50.0	ug/L
56-23-5	Carbon Tetrachloride	10.0	UD	1.30	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	34.8	D	2.00	10.0	ug/L
74-97-5	Bromochloromethane	10.0	UD	1.40	10.0	ug/L
67-66-3	Chloroform	10.0	UD	1.40	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	UD	1.40	10.0	ug/L
108-87-2	Methylcyclohexane	10.0	UD	1.60	10.0	ug/L
71-43-2	Benzene	10.0	UD	1.20	10.0	ug/L
107-06-2	1,2-Dichloroethane	10.0	UD	1.60	10.0	ug/L
79-01-6	Trichloroethene	45.7	D	2.60	10.0	ug/L
78-87-5	1,2-Dichloropropane	10.0	UD	1.50	10.0	ug/L
75-27-4	Bromodichloromethane	10.0	UD	1.50	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	50.0	UD	7.40	50.0	ug/L
108-88-3	Toluene	10.0	UD	1.40	10.0	ug/L
10061-02-6	t-1,3-Dichloropropene	10.0	UD	1.70	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	10.0	UD	1.50	10.0	ug/L

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1041-MW-01(23)DL	SDG No.:	O4373
Lab Sample ID:	O4373-01DL	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037688.D	10		09/13/23 12:27	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	10.0	UD	1.30	10.0	ug/L
591-78-6	2-Hexanone	50.0	UD	9.80	50.0	ug/L
124-48-1	Dibromochloromethane	10.0	UD	1.50	10.0	ug/L
106-93-4	1,2-Dibromoethane	10.0	UD	1.30	10.0	ug/L
127-18-4	Tetrachloroethene	230	D	1.70	10.0	ug/L
108-90-7	Chlorobenzene	10.0	UD	1.20	10.0	ug/L
100-41-4	Ethyl Benzene	10.0	UD	1.30	10.0	ug/L
179601-23-1	m/p-Xylenes	20.0	UD	3.10	20.0	ug/L
95-47-6	o-Xylene	10.0	UD	1.50	10.0	ug/L
100-42-5	Styrene	10.0	UD	1.30	10.0	ug/L
75-25-2	Bromoform	10.0	UD	1.50	10.0	ug/L
98-82-8	Isopropylbenzene	10.0	UD	1.30	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.0	UD	1.50	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	10.0	UD	2.30	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	10.0	UD	2.40	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	10.0	UD	1.70	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10.0	UD	4.30	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	10.0	UD	4.30	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	10.0	UD	5.50	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.8		74 - 125	86%	SPK: 50
1868-53-7	Dibromofluoromethane	45.7		75 - 124	91%	SPK: 50
2037-26-5	Toluene-d8	45.6		86 - 113	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.4		64 - 133	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	221000	5.55			
540-36-3	1,4-Difluorobenzene	384000	6.763			
3114-55-4	Chlorobenzene-d5	358000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	150000	12.024			

Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1041-MW-01(23)DL	SDG No.:	O4373
Lab Sample ID:	O4373-01DL	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037688.D	10		09/13/23 12:27	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1042-MW-02(23.8)	SDG No.:	O4373
Lab Sample ID:	O4373-02	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037668.D	1		09/12/23 15:00	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.60		0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	8.60		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.53	J	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	3.90	J	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	25.1		0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	16.6		0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	4.60	J	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1042-MW-02(23.8)	SDG No.:	O4373
Lab Sample ID:	O4373-02	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037668.D	1		09/12/23 15:00	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	37.0		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	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	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	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	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.3		74 - 125	93%	SPK: 50
1868-53-7	Dibromofluoromethane	45.8		75 - 124	92%	SPK: 50
2037-26-5	Toluene-d8	45.9		86 - 113	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.4		64 - 133	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	215000	5.55			
540-36-3	1,4-Difluorobenzene	381000	6.763			
3114-55-4	Chlorobenzene-d5	346000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	141000	12.024			



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1042-MW-02(23.8)	SDG No.:	O4373
Lab Sample ID:	O4373-02	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037668.D	1		09/12/23 15:00	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1043-MW-03A(17)	SDG No.:	O4373
Lab Sample ID:	O4373-03	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037669.D	1		09/12/23 15:24	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	12.8		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.50		0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	3.10	J	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	68.4		0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	110		0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.10	J	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1043-MW-03A(17)	SDG No.:	O4373
Lab Sample ID:	O4373-03	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037669.D	1		09/12/23 15:24	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	310	E	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	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	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	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	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.5		74 - 125	93%	SPK: 50
1868-53-7	Dibromofluoromethane	45.8		75 - 124	92%	SPK: 50
2037-26-5	Toluene-d8	46.1		86 - 113	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.6		64 - 133	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	211000	5.55			
540-36-3	1,4-Difluorobenzene	376000	6.763			
3114-55-4	Chlorobenzene-d5	348000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	139000	12.024			



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1043-MW-03A(17)	SDG No.:	O4373
Lab Sample ID:	O4373-03	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037669.D	1		09/12/23 15:24	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1043-MW-03A(17)DL	SDG No.:	O4373
Lab Sample ID:	O4373-03DL	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037689.D	10		09/13/23 12:51	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	10.0	UD	1.40	10.0	ug/L
74-87-3	Chloromethane	10.0	UD	2.50	10.0	ug/L
75-01-4	Vinyl Chloride	10.0	UD	2.50	10.0	ug/L
74-83-9	Bromomethane	50.0	UD	15.5	50.0	ug/L
75-00-3	Chloroethane	10.0	UD	2.80	10.0	ug/L
75-69-4	Trichlorofluoromethane	10.0	UD	1.30	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	10.0	UD	2.10	10.0	ug/L
75-35-4	1,1-Dichloroethene	10.0	UD	2.10	10.0	ug/L
67-64-1	Acetone	53.9	D	11.5	50.0	ug/L
75-15-0	Carbon Disulfide	10.0	UD	2.70	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	10.0	UD	1.40	10.0	ug/L
79-20-9	Methyl Acetate	10.0	UD	3.60	10.0	ug/L
75-09-2	Methylene Chloride	10.0	UD	5.00	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	10.0	UD	1.70	10.0	ug/L
75-34-3	1,1-Dichloroethane	10.0	UD	1.60	10.0	ug/L
110-82-7	Cyclohexane	50.0	UD	16.0	50.0	ug/L
78-93-3	2-Butanone	50.0	UD	12.1	50.0	ug/L
56-23-5	Carbon Tetrachloride	10.0	UD	1.30	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	70.9	D	2.00	10.0	ug/L
74-97-5	Bromochloromethane	10.0	UD	1.40	10.0	ug/L
67-66-3	Chloroform	10.0	UD	1.40	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	10.0	UD	1.40	10.0	ug/L
108-87-2	Methylcyclohexane	10.0	UD	1.60	10.0	ug/L
71-43-2	Benzene	10.0	UD	1.20	10.0	ug/L
107-06-2	1,2-Dichloroethane	10.0	UD	1.60	10.0	ug/L
79-01-6	Trichloroethene	120	D	2.60	10.0	ug/L
78-87-5	1,2-Dichloropropane	10.0	UD	1.50	10.0	ug/L
75-27-4	Bromodichloromethane	10.0	UD	1.50	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	50.0	UD	7.40	50.0	ug/L
108-88-3	Toluene	10.0	UD	1.40	10.0	ug/L
10061-02-6	t-1,3-Dichloropropene	10.0	UD	1.70	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	10.0	UD	1.50	10.0	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1043-MW-03A(17)DL	SDG No.:	O4373
Lab Sample ID:	O4373-03DL	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037689.D	10		09/13/23 12:51	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	10.0	UD	1.30	10.0	ug/L
591-78-6	2-Hexanone	50.0	UD	9.80	50.0	ug/L
124-48-1	Dibromochloromethane	10.0	UD	1.50	10.0	ug/L
106-93-4	1,2-Dibromoethane	10.0	UD	1.30	10.0	ug/L
127-18-4	Tetrachloroethene	340	D	1.70	10.0	ug/L
108-90-7	Chlorobenzene	10.0	UD	1.20	10.0	ug/L
100-41-4	Ethyl Benzene	10.0	UD	1.30	10.0	ug/L
179601-23-1	m/p-Xylenes	20.0	UD	3.10	20.0	ug/L
95-47-6	o-Xylene	10.0	UD	1.50	10.0	ug/L
100-42-5	Styrene	10.0	UD	1.30	10.0	ug/L
75-25-2	Bromoform	10.0	UD	1.50	10.0	ug/L
98-82-8	Isopropylbenzene	10.0	UD	1.30	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	10.0	UD	1.50	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	10.0	UD	2.30	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	10.0	UD	2.40	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	10.0	UD	1.70	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	10.0	UD	4.30	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	10.0	UD	4.30	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	10.0	UD	5.50	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.3		74 - 125	87%	SPK: 50
1868-53-7	Dibromofluoromethane	45.0		75 - 124	90%	SPK: 50
2037-26-5	Toluene-d8	45.4		86 - 113	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.3		64 - 133	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	232000	5.55			
540-36-3	1,4-Difluorobenzene	406000	6.763			
3114-55-4	Chlorobenzene-d5	375000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	161000	12.024			



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1043-MW-03A(17)DL	SDG No.:	O4373
Lab Sample ID:	O4373-03DL	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037689.D	10		09/13/23 12:51	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1044-MW-11(15)	SDG No.:	O4373
Lab Sample ID:	O4373-04	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037690.D	1		09/13/23 13:16	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	9.30		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	6.30		1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.64	J	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.40		0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	4.80	J	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1044-MW-11(15)	SDG No.:	O4373
Lab Sample ID:	O4373-04	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037690.D	1		09/13/23 13:16	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	8.10		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	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	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	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	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.7		74 - 125	87%	SPK: 50
1868-53-7	Dibromofluoromethane	45.4		75 - 124	91%	SPK: 50
2037-26-5	Toluene-d8	45.5		86 - 113	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.9		64 - 133	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	218000	5.549			
540-36-3	1,4-Difluorobenzene	381000	6.763			
3114-55-4	Chlorobenzene-d5	351000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	148000	12.024			



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1044-MW-11(15)	SDG No.:	O4373
Lab Sample ID:	O4373-04	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037690.D	1		09/13/23 13:16	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1045-MW-17A(15.5)	SDG No.:	O4373
Lab Sample ID:	O4373-05	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037677.D	1		09/12/23 18:39	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	4.70		0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	10.9		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.61	J	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	4.30	J	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	53.6		0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	35.0		0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	4.00	J	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1045-MW-17A(15.5)	SDG No.:	O4373
Lab Sample ID:	O4373-05	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037677.D	1		09/12/23 18:39	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	17.2		0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	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	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	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	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.8		74 - 125	86%	SPK: 50
1868-53-7	Dibromofluoromethane	44.6		75 - 124	89%	SPK: 50
2037-26-5	Toluene-d8	46.1		86 - 113	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.0		64 - 133	82%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	209000	5.556			
540-36-3	1,4-Difluorobenzene	361000	6.763			
3114-55-4	Chlorobenzene-d5	327000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	130000	12.024			



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1045-MW-17A(15.5)	SDG No.:	O4373
Lab Sample ID:	O4373-05	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037677.D	1		09/12/23 18:39	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1046-FB090623	SDG No.:	O4373
Lab Sample ID:	O4373-06	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037692.D	1		09/13/23 14:04	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	31.0		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.60	5.00	ug/L
78-93-3	2-Butanone	10.5		1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.30	J	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1046-FB090623	SDG No.:	O4373
Lab Sample ID:	O4373-06	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037692.D	1		09/13/23 14:04	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	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	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	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	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.4		74 - 125	85%	SPK: 50
1868-53-7	Dibromofluoromethane	45.0		75 - 124	90%	SPK: 50
2037-26-5	Toluene-d8	45.2		86 - 113	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.7		64 - 133	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	228000	5.556			
540-36-3	1,4-Difluorobenzene	391000	6.763			
3114-55-4	Chlorobenzene-d5	350000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	149000	12.024			
TENTATIVE IDENTIFIED COMPOUNDS						
000104-76-7	1-Hexanol, 2-ethyl-	10.7	J		12.2	ug/L
91-20-3	Naphthalene	22.3	J		13.8	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1046-FB090623	SDG No.:	O4373
Lab Sample ID:	O4373-06	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037692.D	1		09/13/23 14:04	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1047-TB-090623	SDG No.:	O4373
Lab Sample ID:	O4373-07	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037667.D	1		09/12/23 14:35	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	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	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1047-TB-090623	SDG No.:	O4373
Lab Sample ID:	O4373-07	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037667.D	1		09/12/23 14:35	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	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	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	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	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.4		74 - 125	93%	SPK: 50
1868-53-7	Dibromofluoromethane	45.6		75 - 124	91%	SPK: 50
2037-26-5	Toluene-d8	46.1		86 - 113	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.5		64 - 133	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	186000	5.55			
540-36-3	1,4-Difluorobenzene	337000	6.763			
3114-55-4	Chlorobenzene-d5	308000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	124000	12.024			
TENTATIVE IDENTIFIED COMPOUNDS						
91-20-3	Naphthalene	1.10	J		13.8	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1047-TB-090623	SDG No.:	O4373
Lab Sample ID:	O4373-07	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037667.D	1		09/12/23 14:35	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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



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Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	
Project:	Andrews St. Site		Date Received:	
Client Sample ID:	VX0912WBL01		SDG No.:	O4373
Lab Sample ID:	VX0912WBL01		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:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037658.D	1		09/12/23 10:46	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	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	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrews St. Site	Date Received:	
Client Sample ID:	VX0912WBL01	SDG No.:	O4373
Lab Sample ID:	VX0912WBL01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037658.D	1		09/12/23 10:46	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	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	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	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	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.7		74 - 125	87%	SPK: 50
1868-53-7	Dibromofluoromethane	45.2		75 - 124	90%	SPK: 50
2037-26-5	Toluene-d8	45.7		86 - 113	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.5		64 - 133	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	222000	5.55			
540-36-3	1,4-Difluorobenzene	388000	6.763			
3114-55-4	Chlorobenzene-d5	353000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	149000	12.024			



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Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	
Project:	Andrews St. Site		Date Received:	
Client Sample ID:	VX0912WBL01		SDG No.:	O4373
Lab Sample ID:	VX0912WBL01		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:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037658.D	1		09/12/23 10:46	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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



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Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	
Project:	Andrews St. Site		Date Received:	
Client Sample ID:	VX0913WBL01		SDG No.:	O4373
Lab Sample ID:	VX0913WBL01		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:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037685.D	1		09/13/23 11:12	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.14	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.25	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.25	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.60	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.21	1.00	ug/L
67-64-1	Acetone	5.00	U	1.20	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.14	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.36	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.16	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	1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.20	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.14	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.14	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.16	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.15	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.74	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.15	1.00	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrews St. Site	Date Received:	
Client Sample ID:	VX0913WBL01	SDG No.:	O4373
Lab Sample ID:	VX0913WBL01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037685.D	1		09/13/23 11:12	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	1.00	U	0.13	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.98	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.13	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.17	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	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	0.15	1.00	ug/L
100-42-5	Styrene	1.00	U	0.13	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.15	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	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.2		74 - 125	88%	SPK: 50
1868-53-7	Dibromofluoromethane	45.7		75 - 124	91%	SPK: 50
2037-26-5	Toluene-d8	45.4		86 - 113	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.5		64 - 133	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	213000	5.55			
540-36-3	1,4-Difluorobenzene	373000	6.763			
3114-55-4	Chlorobenzene-d5	346000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	147000	12.024			



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Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	
Project:	Andrews St. Site		Date Received:	
Client Sample ID:	VX0913WBL01		SDG No.:	O4373
Lab Sample ID:	VX0913WBL01		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:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037685.D	1		09/13/23 11:12	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrews St. Site	Date Received:	
Client Sample ID:	VX0912WBS01	SDG No.:	O4373
Lab Sample ID:	VX0912WBS01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037659.D	1		09/12/23 11:18	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.3		0.14	1.00	ug/L
74-87-3	Chloromethane	17.8		0.25	1.00	ug/L
75-01-4	Vinyl Chloride	18.4		0.25	1.00	ug/L
74-83-9	Bromomethane	18.5		1.60	5.00	ug/L
75-00-3	Chloroethane	19.1		0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.9		0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.6		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.1		0.21	1.00	ug/L
67-64-1	Acetone	88.0		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	17.0		0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.4		0.14	1.00	ug/L
79-20-9	Methyl Acetate	16.5		0.36	1.00	ug/L
75-09-2	Methylene Chloride	18.3		0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.6		0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.1		0.16	1.00	ug/L
110-82-7	Cyclohexane	19.0		1.60	5.00	ug/L
78-93-3	2-Butanone	83.1		1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.1		0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.7		0.20	1.00	ug/L
74-97-5	Bromochloromethane	18.2		0.14	1.00	ug/L
67-66-3	Chloroform	18.0		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.3		0.14	1.00	ug/L
108-87-2	Methylcyclohexane	20.0		0.16	1.00	ug/L
71-43-2	Benzene	19.1		0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.2		0.16	1.00	ug/L
79-01-6	Trichloroethene	19.3		0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.2		0.15	1.00	ug/L
75-27-4	Bromodichloromethane	18.8		0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	91.8		0.74	5.00	ug/L
108-88-3	Toluene	20.3		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.5		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.7		0.15	1.00	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrews St. Site	Date Received:	
Client Sample ID:	VX0912WBS01	SDG No.:	O4373
Lab Sample ID:	VX0912WBS01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037659.D	1		09/12/23 11:18	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	18.7		0.13	1.00	ug/L
591-78-6	2-Hexanone	94.3		0.98	5.00	ug/L
124-48-1	Dibromochloromethane	19.0		0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.5		0.13	1.00	ug/L
127-18-4	Tetrachloroethene	19.6		0.17	1.00	ug/L
108-90-7	Chlorobenzene	19.4		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	20.0		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.2		0.31	2.00	ug/L
95-47-6	o-Xylene	20.2		0.15	1.00	ug/L
100-42-5	Styrene	19.8		0.13	1.00	ug/L
75-25-2	Bromoform	18.1		0.15	1.00	ug/L
98-82-8	Isopropylbenzene	20.3		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.0		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.7		0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.4		0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.4		0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.3		0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0		0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.5		0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.9		74 - 125	92%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	53.7		86 - 113	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.9		64 - 133	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	208000	5.55			
540-36-3	1,4-Difluorobenzene	353000	6.763			
3114-55-4	Chlorobenzene-d5	346000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	175000	12.024			



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrews St. Site	Date Received:	
Client Sample ID:	VX0912WBS01	SDG No.:	O4373
Lab Sample ID:	VX0912WBS01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037659.D	1		09/12/23 11:18	VX091223

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	
Project:	Andrews St. Site	Date Received:	
Client Sample ID:	VX0913WBS01	SDG No.:	O4373
Lab Sample ID:	VX0913WBS01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037686.D	1		09/13/23 11:36	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.7		0.14	1.00	ug/L
74-87-3	Chloromethane	18.4		0.25	1.00	ug/L
75-01-4	Vinyl Chloride	18.2		0.25	1.00	ug/L
74-83-9	Bromomethane	17.4		1.60	5.00	ug/L
75-00-3	Chloroethane	18.8		0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.3		0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.4		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.9		0.21	1.00	ug/L
67-64-1	Acetone	98.8		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	17.1		0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.4		0.14	1.00	ug/L
79-20-9	Methyl Acetate	18.5		0.36	1.00	ug/L
75-09-2	Methylene Chloride	19.4		0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.8		0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.6		0.16	1.00	ug/L
110-82-7	Cyclohexane	18.3		1.60	5.00	ug/L
78-93-3	2-Butanone	92.6		1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.3		0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.1		0.20	1.00	ug/L
74-97-5	Bromochloromethane	17.8		0.14	1.00	ug/L
67-66-3	Chloroform	18.8		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.9		0.14	1.00	ug/L
108-87-2	Methylcyclohexane	19.5		0.16	1.00	ug/L
71-43-2	Benzene	19.4		0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.5		0.16	1.00	ug/L
79-01-6	Trichloroethene	19.7		0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.4		0.15	1.00	ug/L
75-27-4	Bromodichloromethane	19.6		0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	98.6		0.74	5.00	ug/L
108-88-3	Toluene	19.3		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.2		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.7		0.15	1.00	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	
Project:	Andrews St. Site		Date Received:	
Client Sample ID:	VX0913WBS01		SDG No.:	O4373
Lab Sample ID:	VX0913WBS01		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:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037686.D	1		09/13/23 11:36	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	20.0		0.13	1.00	ug/L
591-78-6	2-Hexanone	99.8		0.98	5.00	ug/L
124-48-1	Dibromochloromethane	19.2		0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.4		0.13	1.00	ug/L
127-18-4	Tetrachloroethene	19.7		0.17	1.00	ug/L
108-90-7	Chlorobenzene	19.2		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.5		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.1		0.31	2.00	ug/L
95-47-6	o-Xylene	19.4		0.15	1.00	ug/L
100-42-5	Styrene	19.6		0.13	1.00	ug/L
75-25-2	Bromoform	19.5		0.15	1.00	ug/L
98-82-8	Isopropylbenzene	20.2		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.8		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.7		0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.2		0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.1		0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.2		0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.5		0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.6		0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.8		74 - 125	94%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	49.8		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		64 - 133	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	205000	5.556			
540-36-3	1,4-Difluorobenzene	352000	6.763			
3114-55-4	Chlorobenzene-d5	336000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	165000	12.024			



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Report of Analysis

Client:	Day Environmental, Inc.		Date Collected:	
Project:	Andrews St. Site		Date Received:	
Client Sample ID:	VX0913WBS01		SDG No.:	O4373
Lab Sample ID:	VX0913WBS01		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:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037686.D	1		09/13/23 11:36	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1042-MW-02(23.8)MS	SDG No.:	O4373
Lab Sample ID:	O4373-08MS	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037705.D	1		09/13/23 19:21	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	36.9		0.14	1.00	ug/L
74-87-3	Chloromethane	53.2		0.25	1.00	ug/L
75-01-4	Vinyl Chloride	48.9		0.25	1.00	ug/L
74-83-9	Bromomethane	46.1		1.60	5.00	ug/L
75-00-3	Chloroethane	51.7		0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	43.8		0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	39.7		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	51.4		0.21	1.00	ug/L
67-64-1	Acetone	360		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	45.1		0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	68.9		0.14	1.00	ug/L
79-20-9	Methyl Acetate	55.6		0.36	1.00	ug/L
75-09-2	Methylene Chloride	67.9		0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	56.1		0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	59.9		0.16	1.00	ug/L
110-82-7	Cyclohexane	42.9		1.60	5.00	ug/L
78-93-3	2-Butanone	350		1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	42.6		0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	110		0.20	1.00	ug/L
74-97-5	Bromochloromethane	66.3		0.14	1.00	ug/L
67-66-3	Chloroform	61.9		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	54.0		0.14	1.00	ug/L
108-87-2	Methylcyclohexane	32.1		0.16	1.00	ug/L
71-43-2	Benzene	51.4		0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	54.8		0.16	1.00	ug/L
79-01-6	Trichloroethene	74.5		0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	55.1		0.15	1.00	ug/L
75-27-4	Bromodichloromethane	56.6		0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	310		0.74	5.00	ug/L
108-88-3	Toluene	50.7		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	51.4		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	49.9		0.15	1.00	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1042-MW-02(23.8)MS	SDG No.:	O4373
Lab Sample ID:	O4373-08MS	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037705.D	1		09/13/23 19:21	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	60.3		0.13	1.00	ug/L
591-78-6	2-Hexanone	300		0.98	5.00	ug/L
124-48-1	Dibromochloromethane	61.1		0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	60.8		0.13	1.00	ug/L
127-18-4	Tetrachloroethene	94.4		0.17	1.00	ug/L
108-90-7	Chlorobenzene	49.6		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	45.5		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	92.7		0.31	2.00	ug/L
95-47-6	o-Xylene	49.4		0.15	1.00	ug/L
100-42-5	Styrene	50.9		0.13	1.00	ug/L
75-25-2	Bromoform	60.1		0.15	1.00	ug/L
98-82-8	Isopropylbenzene	45.9		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	57.7		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	48.1		0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	48.4		0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	53.1		0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	60.7		0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	46.2		0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	49.5		0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	66.1	*	74 - 125	132%	SPK: 50
1868-53-7	Dibromofluoromethane	56.0		75 - 124	112%	SPK: 50
2037-26-5	Toluene-d8	51.7		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8		64 - 133	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	131000	5.556			
540-36-3	1,4-Difluorobenzene	276000	6.763			
3114-55-4	Chlorobenzene-d5	281000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	134000	12.024			



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1042-MW-02(23.8)MS	SDG No.:	O4373
Lab Sample ID:	O4373-08MS	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037705.D	1		09/13/23 19:21	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1042-MW-02(23.8)MSD	SDG No.:	O4373
Lab Sample ID:	O4373-09MSD	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037706.D	1		09/13/23 19:46	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	37.2		0.14	1.00	ug/L
74-87-3	Chloromethane	53.5		0.25	1.00	ug/L
75-01-4	Vinyl Chloride	48.6		0.25	1.00	ug/L
74-83-9	Bromomethane	45.5		1.60	5.00	ug/L
75-00-3	Chloroethane	52.1		0.28	1.00	ug/L
75-69-4	Trichlorofluoromethane	42.4		0.13	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	39.2		0.21	1.00	ug/L
75-35-4	1,1-Dichloroethene	50.1		0.21	1.00	ug/L
67-64-1	Acetone	370		1.20	5.00	ug/L
75-15-0	Carbon Disulfide	44.8		0.27	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	69.3		0.14	1.00	ug/L
79-20-9	Methyl Acetate	54.9		0.36	1.00	ug/L
75-09-2	Methylene Chloride	69.8		0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	55.5		0.17	1.00	ug/L
75-34-3	1,1-Dichloroethane	59.1		0.16	1.00	ug/L
110-82-7	Cyclohexane	41.8		1.60	5.00	ug/L
78-93-3	2-Butanone	360		1.20	5.00	ug/L
56-23-5	Carbon Tetrachloride	41.2		0.13	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	110		0.20	1.00	ug/L
74-97-5	Bromochloromethane	67.7		0.14	1.00	ug/L
67-66-3	Chloroform	61.6		0.14	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	53.1		0.14	1.00	ug/L
108-87-2	Methylcyclohexane	30.8		0.16	1.00	ug/L
71-43-2	Benzene	50.8		0.12	1.00	ug/L
107-06-2	1,2-Dichloroethane	54.7		0.16	1.00	ug/L
79-01-6	Trichloroethene	72.8		0.26	1.00	ug/L
78-87-5	1,2-Dichloropropane	54.3		0.15	1.00	ug/L
75-27-4	Bromodichloromethane	57.1		0.15	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	310		0.74	5.00	ug/L
108-88-3	Toluene	49.5		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	51.0		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	49.4		0.15	1.00	ug/L



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1042-MW-02(23.8)MSD	SDG No.:	O4373
Lab Sample ID:	O4373-09MSD	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037706.D	1		09/13/23 19:46	VX091323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	60.7		0.13	1.00	ug/L
591-78-6	2-Hexanone	310		0.98	5.00	ug/L
124-48-1	Dibromochloromethane	60.6		0.15	1.00	ug/L
106-93-4	1,2-Dibromoethane	60.6		0.13	1.00	ug/L
127-18-4	Tetrachloroethene	92.3		0.17	1.00	ug/L
108-90-7	Chlorobenzene	48.7		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	44.7		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	91.0		0.31	2.00	ug/L
95-47-6	o-Xylene	49.1		0.15	1.00	ug/L
100-42-5	Styrene	51.2		0.13	1.00	ug/L
75-25-2	Bromoform	59.9		0.15	1.00	ug/L
98-82-8	Isopropylbenzene	44.1		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	57.4		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	48.2		0.23	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	47.4		0.24	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	52.7		0.17	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	59.7		0.43	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	45.9		0.43	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	49.6		0.55	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	67.1	*	74 - 125	134%	SPK: 50
1868-53-7	Dibromofluoromethane	57.0		75 - 124	114%	SPK: 50
2037-26-5	Toluene-d8	51.4		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.1		64 - 133	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	124000	5.55			
540-36-3	1,4-Difluorobenzene	263000	6.763			
3114-55-4	Chlorobenzene-d5	270000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	132000	12.024			



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Report of Analysis

Client:	Day Environmental, Inc.	Date Collected:	09/06/23
Project:	Andrews St. Site	Date Received:	09/08/23
Client Sample ID:	1042-MW-02(23.8)MSD	SDG No.:	O4373
Lab Sample ID:	O4373-09MSD	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX037706.D	1		09/13/23 19:46	VX091323

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

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 3, 2023

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, 2022 to December 01, 2023

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

12/8/2023
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



12/07/2023

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

Stamp
(Required for PE)

Date