

Cover Page

Order ID : Q1478

Project ID : Former Schlumberger STC PTC Site # D3868221

Client : JACOBS Engineering Group, Inc.

Lab Sample Number

Q1478-01
Q1478-02
Q1478-03
Q1478-04
Q1478-05
Q1478-06
Q1478-07
Q1478-08
Q1478-13
Q1478-14
Q1478-15
Q1478-16

Client Sample Number

IDW-AQ-MW-19B-COMP-022825
IDW-AQ-DRUM-610-022825
IDW-AQ-IW-01-COMP-022825
IDW-AQ-DRUM-616-022825
IDW-AQ-IW-02-COMP-022825
IDW-AQ-DRUM-614-022825
IDW-AQ-IW-03-COMP-022825
IDW-AQ-DRUM-612-022825
IDW-SO-COMP-022825
IDW-SO-COMP-022825
IDW-SO-DRUM-582-022825
IDW-SO-DRUM-582-022825

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 : _____

Date: 3/7/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

JACOBS Engineering Group, Inc.

Project Name: Former Schlumberger STC PTC Site # D3868221

Project # N/A

Chemtech Project # Q1478

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

4 Solid samples were received on 02/28/2025.

8 Water samples were received on 02/28/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Diesel Range Organics, Flash Point, Gasoline Range Organics, Ignitability, Mercury, Metals ICP-RCRA, METALS RCRA, PCB, pH, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP VOA, TCLP ZHE Extraction and 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.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

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

The Initial Calibration met the requirements .

The Continuous Calibration File ID VX045100.D met the requirements except for Chloroethane, Methylcyclohexane and t-1,3-Dichloropropene are failing high but no positive hit in associate samples therefore no corrective action taken.

The Tuning criteria met requirements.



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Samples IDW-AQ-DRUM-612-022825 was diluted due to past history of this sample containing high amounts of Trichloroethene.

Samples IDW-AQ-DRUM-610-022825, IDW-AQ-DRUM-616-022825 and IDW-AQ-DRUM-614-022825 were diluted due to high concentrations.

The Sample IDW-AQ-DRUM-610-022825, IDW-AQ-DRUM-616-022825, IDW-AQ-DRUM-614-022825 and IDW-AQ-DRUM-612-022825 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

E. Additional Comments:

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

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 <20% 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 > 20% 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_____

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

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1478

MATRIX: Water

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The Initial Calibration met the requirements . The Continuous Calibration File ID VX045100.D met the requirements except for Chloroethane, Methylcyclohexane and t-1,3-Dichloropropene are failing high but no positive hit in associate samples therefore no corrective action taken.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
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 Blank Spike met requirements for all samples . The Blank Spike Duplicate 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:

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012; NEW YORK LAB ID#: 11376

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

NA NO YES

Samples IDW-AQ-DRUM-612-022825 was diluted due to past history of this sample containing high amounts of Trichloroethene.

Samples IDW-AQ-DRUM-610-022825, IDW-AQ-DRUM-616-022825 and IDW-AQ-DRUM-614-022825 were diluted due to high concentrations.

The Sample IDW-AQ-DRUM-610-022825, IDW-AQ-DRUM-616-022825, IDW-AQ-DRUM-614-022825 and IDW-AQ-DRUM-612-022825 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1..

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

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 <20% 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 >20% for the Initial Calibration curve for SW-846 analysis.

QA REVIEW

Date

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1478

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 03/07/2025

LAB CHRONICLE

OrderID:	Q1478	OrderDate:	3/3/2025 10:28:22 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site # D3868221
Contact:	John Ynfante	Location:	H31,H41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1478-02	IDW-AQ-DRUM-610-0 22825	Water			02/28/25			02/28/25
			VOC-TCLVOA-10	8260-Low			03/03/25	
Q1478-02DL	IDW-AQ-DRUM-610-0 22825DL	Water			02/28/25			02/28/25
			VOC-TCLVOA-10	8260-Low			03/05/25	
Q1478-04	IDW-AQ-DRUM-616-0 22825	Water			02/28/25			02/28/25
			VOC-TCLVOA-10	8260-Low			03/03/25	
Q1478-04DL	IDW-AQ-DRUM-616-0 22825DL	Water			02/28/25			02/28/25
			VOC-TCLVOA-10	8260-Low			03/05/25	
Q1478-06	IDW-AQ-DRUM-614-0 22825	Water			02/28/25			02/28/25
			VOC-TCLVOA-10	8260-Low			03/03/25	
Q1478-06DL	IDW-AQ-DRUM-614-0 22825DL	Water			02/28/25			02/28/25
			VOC-TCLVOA-10	8260-Low			03/05/25	
Q1478-08	IDW-AQ-DRUM-612-0 22825	Water			02/28/25			02/28/25
			VOC-TCLVOA-10	8260-Low			03/05/25	

Hit Summary Sheet
SW-846

SDG No.: Q1478
Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: IDW-AQ-DRUM-610-022825								
Q1478-02	IDW-AQ-DRUM-6	Water	Vinyl Chloride	3.00		0.34	1.00	ug/L
Q1478-02	IDW-AQ-DRUM-6	Water	1,1,2-Trichlorotrifluoroethane	1400	E	0.25	1.00	ug/L
Q1478-02	IDW-AQ-DRUM-6	Water	1,1-Dichloroethene	27.3		0.26	1.00	ug/L
Q1478-02	IDW-AQ-DRUM-6	Water	Acetone	6.30		1.40	5.00	ug/L
Q1478-02	IDW-AQ-DRUM-6	Water	trans-1,2-Dichloroethene	52.4		0.25	1.00	ug/L
Q1478-02	IDW-AQ-DRUM-6	Water	1,1-Dichloroethane	11.4		0.23	1.00	ug/L
Q1478-02	IDW-AQ-DRUM-6	Water	cis-1,2-Dichloroethene	1500	E	0.25	1.00	ug/L
Q1478-02	IDW-AQ-DRUM-6	Water	Chloroform	3.30		0.26	1.00	ug/L
Q1478-02	IDW-AQ-DRUM-6	Water	1,1,1-Trichloroethane	31.5		0.19	1.00	ug/L
Q1478-02	IDW-AQ-DRUM-6	Water	Benzene	1.20		0.16	1.00	ug/L
Q1478-02	IDW-AQ-DRUM-6	Water	1,2-Dichloroethane	2.70		0.24	1.00	ug/L
Q1478-02	IDW-AQ-DRUM-6	Water	Trichloroethene	13000	E	0.32	1.00	ug/L
Q1478-02	IDW-AQ-DRUM-6	Water	Toluene	3.30		0.18	1.00	ug/L
Q1478-02	IDW-AQ-DRUM-6	Water	1,1,2-Trichloroethane	0.43	J	0.21	1.00	ug/L
Q1478-02	IDW-AQ-DRUM-6	Water	Tetrachloroethene	820	E	0.25	1.00	ug/L
Q1478-02	IDW-AQ-DRUM-6	Water	m/p-Xylenes	0.35	J	0.31	2.00	ug/L
Q1478-02	IDW-AQ-DRUM-6	Water	1,4-Dichlorobenzene	6.80		0.27	1.00	ug/L
Total Voc :				16900				
Total Concentration:				16900				
Client ID: IDW-AQ-DRUM-610-022825DL								
Q1478-02DL	IDW-AQ-DRUM-6	Water	1,1,2-Trichlorotrifluoroethane	1400	D	130	500	ug/L
Q1478-02DL	IDW-AQ-DRUM-6	Water	cis-1,2-Dichloroethene	1600	D	130	500	ug/L
Q1478-02DL	IDW-AQ-DRUM-6	Water	Trichloroethene	20600	D	160	500	ug/L
Q1478-02DL	IDW-AQ-DRUM-6	Water	Tetrachloroethene	840	D	130	500	ug/L
Total Voc :				24400				
Total Concentration:				24400				
Client ID: IDW-AQ-DRUM-616-022825								
Q1478-04	IDW-AQ-DRUM-6	Water	1,1,2-Trichlorotrifluoroethane	22.2		0.25	1.00	ug/L
Q1478-04	IDW-AQ-DRUM-6	Water	1,1-Dichloroethene	1.30		0.26	1.00	ug/L
Q1478-04	IDW-AQ-DRUM-6	Water	Acetone	100		1.40	5.00	ug/L
Q1478-04	IDW-AQ-DRUM-6	Water	trans-1,2-Dichloroethene	1.60		0.25	1.00	ug/L
Q1478-04	IDW-AQ-DRUM-6	Water	1,1-Dichloroethane	1.80		0.23	1.00	ug/L
Q1478-04	IDW-AQ-DRUM-6	Water	cis-1,2-Dichloroethene	22.6		0.25	1.00	ug/L
Q1478-04	IDW-AQ-DRUM-6	Water	Chloroform	0.66	J	0.26	1.00	ug/L
Q1478-04	IDW-AQ-DRUM-6	Water	Trichloroethene	170	E	0.32	1.00	ug/L
Q1478-04	IDW-AQ-DRUM-6	Water	Toluene	1.50		0.18	1.00	ug/L

Hit Summary Sheet
SW-846

SDG No.: Q1478

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1478-04	IDW-AQ-DRUM-6	Water	Tetrachloroethene	6.50		0.25	1.00	ug/L
			Total Voc :			328		
Q1478-04	IDW-AQ-DRUM-6	Water	Ethene, chlorotrifluoro-	* 6.50	J	0	0	ug/L
Q1478-04	IDW-AQ-DRUM-6	Water	Tetrahydrofuran	* 100	J	1.20	5.00	ug/L
			Total Tics :			107		
			Total Concentration:			435		
Client ID:	IDW-AQ-DRUM-616-022825DL							
Q1478-04DL	IDW-AQ-DRUM-6	Water	1,1,2-Trichlorotrifluoroethane	24.3	D	1.00	4.00	ug/L
Q1478-04DL	IDW-AQ-DRUM-6	Water	1,1-Dichloroethene	1.90	JD	1.00	4.00	ug/L
Q1478-04DL	IDW-AQ-DRUM-6	Water	Acetone	140	D	5.60	20.0	ug/L
Q1478-04DL	IDW-AQ-DRUM-6	Water	trans-1,2-Dichloroethene	1.90	JD	1.00	4.00	ug/L
Q1478-04DL	IDW-AQ-DRUM-6	Water	cis-1,2-Dichloroethene	25.1	D	1.00	4.00	ug/L
Q1478-04DL	IDW-AQ-DRUM-6	Water	Trichloroethene	170	D	1.30	4.00	ug/L
Q1478-04DL	IDW-AQ-DRUM-6	Water	Toluene	2.20	JD	0.72	4.00	ug/L
Q1478-04DL	IDW-AQ-DRUM-6	Water	Tetrachloroethene	6.20	D	1.00	4.00	ug/L
			Total Voc :			372		
			Total Concentration:			372		
Client ID:	IDW-AQ-DRUM-614-022825							
Q1478-06	IDW-AQ-DRUM-6	Water	Vinyl Chloride	0.68	J	0.34	1.00	ug/L
Q1478-06	IDW-AQ-DRUM-6	Water	1,1,2-Trichlorotrifluoroethane	8.20		0.25	1.00	ug/L
Q1478-06	IDW-AQ-DRUM-6	Water	1,1-Dichloroethene	2.40		0.26	1.00	ug/L
Q1478-06	IDW-AQ-DRUM-6	Water	Acetone	43.5		1.40	5.00	ug/L
Q1478-06	IDW-AQ-DRUM-6	Water	trans-1,2-Dichloroethene	3.40		0.25	1.00	ug/L
Q1478-06	IDW-AQ-DRUM-6	Water	1,1-Dichloroethane	3.20		0.23	1.00	ug/L
Q1478-06	IDW-AQ-DRUM-6	Water	cis-1,2-Dichloroethene	86.1		0.25	1.00	ug/L
Q1478-06	IDW-AQ-DRUM-6	Water	Trichloroethene	300	E	0.32	1.00	ug/L
Q1478-06	IDW-AQ-DRUM-6	Water	Toluene	1.80		0.18	1.00	ug/L
Q1478-06	IDW-AQ-DRUM-6	Water	Tetrachloroethene	8.20		0.25	1.00	ug/L
			Total Voc :			457		
Q1478-06	IDW-AQ-DRUM-6	Water	Tetrahydrofuran	* 38.9	J	1.20	5.00	ug/L
			Total Tics :			38.9		
			Total Concentration:			496		
Client ID:	IDW-AQ-DRUM-614-022825DL							
Q1478-06DL	IDW-AQ-DRUM-6	Water	1,1,2-Trichlorotrifluoroethane	9.30	JD	2.50	10.0	ug/L
Q1478-06DL	IDW-AQ-DRUM-6	Water	1,1-Dichloroethene	3.50	JD	2.60	10.0	ug/L
Q1478-06DL	IDW-AQ-DRUM-6	Water	Acetone	59.4	D	13.9	50.0	ug/L
Q1478-06DL	IDW-AQ-DRUM-6	Water	trans-1,2-Dichloroethene	3.30	JD	2.50	10.0	ug/L
Q1478-06DL	IDW-AQ-DRUM-6	Water	cis-1,2-Dichloroethene	96.4	D	2.50	10.0	ug/L

Hit Summary Sheet SW-846

SDG No.: Q1478

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1478-06DL	IDW-AQ-DRUM-6	Water	Trichloroethene	320	D	3.20	10.0	ug/L
Q1478-06DL	IDW-AQ-DRUM-6	Water	Tetrachloroethene	7.70	JD	2.50	10.0	ug/L
Total Voc :				500				
Total Concentration:				500				
Client ID:	IDW-AQ-DRUM-612-022825							
Q1478-08	IDW-AQ-DRUM-6	Water	1,1,2-Trichlorotrifluoroethane	15.8	J	5.00	20.0	ug/L
Q1478-08	IDW-AQ-DRUM-6	Water	Acetone	280		27.8	100	ug/L
Q1478-08	IDW-AQ-DRUM-6	Water	cis-1,2-Dichloroethene	120		5.00	20.0	ug/L
Q1478-08	IDW-AQ-DRUM-6	Water	Trichloroethene	680		6.40	20.0	ug/L
Q1478-08	IDW-AQ-DRUM-6	Water	Toluene	6.20	J	3.60	20.0	ug/L
Q1478-08	IDW-AQ-DRUM-6	Water	Tetrachloroethene	19.5	J	5.00	20.0	ug/L
Total Voc :				1120				
Q1478-08	IDW-AQ-DRUM-6	Water	Tetrahydrofuran	* 230	J	23.0	100	ug/L
Total Tics :				230				
Total Concentration:				1350				



QC SUMMARY

Surrogate Summary

SDG No.: Q1478

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1478-02	IDW-AQ-DRUM-610-022825	1,2-Dichloroethane-d4	50	50.0	100	70 (74)	130 (125)
		Dibromofluoromethane	50	49.4	99	70 (75)	130 (124)
		Toluene-d8	50	43.0	86	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.1	102	70 (77)	130 (121)
Q1478-02DL	IDW-AQ-DRUM-610-022825DL	1,2-Dichloroethane-d4	50	52.8	106	70 (74)	130 (125)
		Dibromofluoromethane	50	50.3	101	70 (75)	130 (124)
		Toluene-d8	50	51.4	103	70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.4	107	70 (77)	130 (121)
Q1478-04	IDW-AQ-DRUM-616-022825	1,2-Dichloroethane-d4	50	50.8	102	70 (74)	130 (125)
		Dibromofluoromethane	50	51.5	103	70 (75)	130 (124)
		Toluene-d8	50	52.3	105	70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.3	108	70 (77)	130 (121)
Q1478-04DL	IDW-AQ-DRUM-616-022825DL	1,2-Dichloroethane-d4	50	50.8	102	70 (74)	130 (125)
		Dibromofluoromethane	50	50.5	101	70 (75)	130 (124)
		Toluene-d8	50	51.0	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.2	94	70 (77)	130 (121)
Q1478-06	IDW-AQ-DRUM-614-022825	1,2-Dichloroethane-d4	50	50.2	100	70 (74)	130 (125)
		Dibromofluoromethane	50	50.1	100	70 (75)	130 (124)
		Toluene-d8	50	50.2	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.2	108	70 (77)	130 (121)
Q1478-06DL	IDW-AQ-DRUM-614-022825DL	1,2-Dichloroethane-d4	50	52.2	104	70 (74)	130 (125)
		Dibromofluoromethane	50	51.0	102	70 (75)	130 (124)
		Toluene-d8	50	50.5	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.3	99	70 (77)	130 (121)
Q1478-08	IDW-AQ-DRUM-612-022825	1,2-Dichloroethane-d4	50	53.1	106	70 (74)	130 (125)
		Dibromofluoromethane	50	49.9	100	70 (75)	130 (124)
		Toluene-d8	50	51.7	103	70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.0	108	70 (77)	130 (121)
VX0303WBL01	VX0303WBL01	1,2-Dichloroethane-d4	50	50.8	102	70 (74)	130 (125)
		Dibromofluoromethane	50	51.1	102	70 (75)	130 (124)
		Toluene-d8	50	51.4	103	70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.5	105	70 (77)	130 (121)
VX0303WBS01	VX0303WBS01	1,2-Dichloroethane-d4	50	46.1	92	70 (74)	130 (125)
		Dibromofluoromethane	50	48.7	97	70 (75)	130 (124)
		Toluene-d8	50	50.1	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.8	104	70 (77)	130 (121)
VX0305WBL01	VX0305WBL01	1,2-Dichloroethane-d4	50	52.7	105	70 (74)	130 (125)
		Dibromofluoromethane	50	51.0	102	70 (75)	130 (124)
		Toluene-d8	50	51.0	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.5	103	70 (77)	130 (121)
VX0305WBS01	VX0305WBS01	1,2-Dichloroethane-d4	50	48.4	97	70 (74)	130 (125)
		Dibromofluoromethane	50	49.3	99	70 (75)	130 (124)
		Toluene-d8	50	50.0	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.5	99	70 (77)	130 (121)
VX0305WBSD0	VX0305WBSD01	1,2-Dichloroethane-d4	50	49.3	99	70 (74)	130 (125)
		Dibromofluoromethane	50	50.5	101	70 (75)	130 (124)
		Toluene-d8	50	51.1	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.2	102	70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1478

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Datafile : VX045103.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0303WBS01	Dichlorodifluoromethane	20	19.4	ug/L	97			40 (69)	160 (116)	
	Chloromethane	20	18.4	ug/L	92			40 (65)	160 (116)	
	Vinyl chloride	20	18.0	ug/L	90			70 (65)	130 (117)	
	Bromomethane	20	18.7	ug/L	94			40 (58)	160 (125)	
	Chloroethane	20	22.0	ug/L	110			40 (56)	160 (128)	
	Trichlorofluoromethane	20	19.1	ug/L	96			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	19.9	ug/L	100			70 (80)	130 (112)	
	1,1-Dichloroethene	20	17.7	ug/L	89			70 (74)	130 (110)	
	Acetone	100	89.0	ug/L	89			40 (60)	160 (125)	
	Carbon disulfide	20	18.4	ug/L	92			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	16.8	ug/L	84			70 (78)	130 (114)	
	Methyl Acetate	20	14.8	ug/L	74			70 (67)	130 (125)	
	Methylene Chloride	20	16.9	ug/L	85			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.8	ug/L	94			70 (75)	130 (108)	
	1,1-Dichloroethane	20	17.4	ug/L	87			70 (78)	130 (112)	
	Cyclohexane	20	18.7	ug/L	94			70 (75)	130 (110)	
	2-Butanone	100	81.6	ug/L	82			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.1	ug/L	96			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	18.0	ug/L	90			70 (77)	130 (110)	
	Bromochloromethane	20	14.7	ug/L	74			70 (70)	130 (124)	
	Chloroform	20	17.4	ug/L	87			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	18.4	ug/L	92			70 (80)	130 (108)	
	Methylcyclohexane	20	21.4	ug/L	107			70 (72)	130 (115)	
	Benzene	20	18.4	ug/L	92			70 (82)	130 (109)	
	1,2-Dichloroethane	20	17.9	ug/L	90			70 (80)	130 (115)	
	Trichloroethene	20	18.7	ug/L	94			70 (77)	130 (113)	
	1,2-Dichloropropane	20	17.2	ug/L	86			70 (83)	130 (111)	
	Bromodichloromethane	20	18.0	ug/L	90			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	82.0	ug/L	82			40 (74)	160 (118)	
	Toluene	20	19.4	ug/L	97			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	19.6	ug/L	98			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	19.6	ug/L	98			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	17.7	ug/L	89			70 (83)	130 (112)	
	2-Hexanone	100	84.8	ug/L	85			40 (73)	160 (117)	
	Dibromochloromethane	20	19.0	ug/L	95			70 (82)	130 (110)	
	1,2-Dibromoethane	20	18.0	ug/L	90			70 (81)	130 (110)	
	Tetrachloroethene	20	19.8	ug/L	99			70 (67)	130 (123)	
	Chlorobenzene	20	19.2	ug/L	96			70 (82)	130 (109)	
	Ethyl Benzene	20	19.2	ug/L	96			70 (83)	130 (109)	
	m/p-Xylenes	40	39.6	ug/L	99			70 (82)	130 (110)	
	o-Xylene	20	19.3	ug/L	97			70 (83)	130 (109)	
	Styrene	20	19.6	ug/L	98			70 (80)	130 (111)	
	Bromoform	20	18.1	ug/L	91			70 (79)	130 (109)	
	Isopropylbenzene	20	18.6	ug/L	93			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	16.1	ug/L	81			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	19.3	ug/L	97			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	18.9	ug/L	95			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	18.9	ug/L	95			70 (82)	130 (109)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1478

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Datafile : VX045103.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0303WBS01	1,2-Dibromo-3-Chloropropane	20	15.9	ug/L	79			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	19.4	ug/L	97			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	18.9	ug/L	95			70 (76)	130 (114)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1478

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Datafile : VX045130.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0305WBS01	Dichlorodifluoromethane	20	17.3	ug/L	86			40 (69)	160 (116)	
	Chloromethane	20	17.2	ug/L	86			40 (65)	160 (116)	
	Vinyl chloride	20	16.6	ug/L	83			70 (65)	130 (117)	
	Bromomethane	20	17.0	ug/L	85			40 (58)	160 (125)	
	Chloroethane	20	15.5	ug/L	78			40 (56)	160 (128)	
	Trichlorofluoromethane	20	18.1	ug/L	91			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	19.1	ug/L	96			70 (80)	130 (112)	
	1,1-Dichloroethene	20	17.5	ug/L	88			70 (74)	130 (110)	
	Acetone	100	83.6	ug/L	84			40 (60)	160 (125)	
	Carbon disulfide	20	16.0	ug/L	80			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	17.2	ug/L	86			70 (78)	130 (114)	
	Methyl Acetate	20	18.4	ug/L	92			70 (67)	130 (125)	
	Methylene Chloride	20	17.2	ug/L	86			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.2	ug/L	91			70 (75)	130 (108)	
	1,1-Dichloroethane	20	17.5	ug/L	88			70 (78)	130 (112)	
	Cyclohexane	20	18.5	ug/L	93			70 (75)	130 (110)	
	2-Butanone	100	88.4	ug/L	88			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.0	ug/L	90			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	17.7	ug/L	89			70 (77)	130 (110)	
	Bromochloromethane	20	21.1	ug/L	106			70 (70)	130 (124)	
	Chloroform	20	17.6	ug/L	88			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	17.8	ug/L	89			70 (80)	130 (108)	
	Methylcyclohexane	20	19.1	ug/L	96			70 (72)	130 (115)	
	Benzene	20	18.2	ug/L	91			70 (82)	130 (109)	
	1,2-Dichloroethane	20	17.8	ug/L	89			70 (80)	130 (115)	
	Trichloroethene	20	17.5	ug/L	88			70 (77)	130 (113)	
	1,2-Dichloropropane	20	17.5	ug/L	88			70 (83)	130 (111)	
	Bromodichloromethane	20	17.8	ug/L	89			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	89.5	ug/L	90			40 (74)	160 (118)	
	Toluene	20	18.4	ug/L	92			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	17.8	ug/L	89			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	18.3	ug/L	92			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	17.8	ug/L	89			70 (83)	130 (112)	
	2-Hexanone	100	89.1	ug/L	89			40 (73)	160 (117)	
	Dibromochloromethane	20	17.1	ug/L	86			70 (82)	130 (110)	
	1,2-Dibromoethane	20	17.9	ug/L	90			70 (81)	130 (110)	
	Tetrachloroethene	20	18.5	ug/L	93			70 (67)	130 (123)	
	Chlorobenzene	20	18.5	ug/L	93			70 (82)	130 (109)	
	Ethyl Benzene	20	18.5	ug/L	93			70 (83)	130 (109)	
	m/p-Xylenes	40	38.3	ug/L	96			70 (82)	130 (110)	
	o-Xylene	20	18.5	ug/L	93			70 (83)	130 (109)	
	Styrene	20	18.4	ug/L	92			70 (80)	130 (111)	
	Bromoform	20	17.5	ug/L	88			70 (79)	130 (109)	
	Isopropylbenzene	20	18.5	ug/L	93			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	17.5	ug/L	88			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	18.4	ug/L	92			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	18.2	ug/L	91			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	18.2	ug/L	91			70 (82)	130 (109)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1478

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Datafile : VX045130.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0305WBS01	1,2-Dibromo-3-Chloropropane	20	16.8	ug/L	84			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	18.0	ug/L	90			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	18.7	ug/L	94			70 (76)	130 (114)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1478

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Datafile : VX045135.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0305WBSD01	Dichlorodifluoromethane	20	19.4	ug/L	97	12		40 (69)	160 (116)	20 (20)
	Chloromethane	20	19.1	ug/L	96	11		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	18.1	ug/L	91	9		70 (65)	130 (117)	20 (20)
	Bromomethane	20	17.8	ug/L	89	5		40 (58)	160 (125)	20 (20)
	Chloroethane	20	16.0	ug/L	80	3		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	18.6	ug/L	93	2		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	20.3	ug/L	102	6		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	19.1	ug/L	96	9		70 (74)	130 (110)	20 (20)
	Acetone	100	92.8	ug/L	93	10		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	15.9	ug/L	79	1		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	19.3	ug/L	97	12		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	20.6	ug/L	103	11		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	19.1	ug/L	96	11		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	19.9	ug/L	100	9		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	19.6	ug/L	98	11		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	19.9	ug/L	100	7		70 (75)	130 (110)	20 (20)
	2-Butanone	100	100	ug/L	100	13		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	18.1	ug/L	91	1		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	19.7	ug/L	99	11		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	22.2	ug/L	111	5		70 (70)	130 (124)	20 (20)
	Chloroform	20	19.3	ug/L	97	10		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	19.0	ug/L	95	7		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	21.1	ug/L	106	10		70 (72)	130 (115)	20 (20)
	Benzene	20	19.8	ug/L	99	8		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	19.6	ug/L	98	10		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	18.5	ug/L	93	6		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	19.4	ug/L	97	10		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	18.6	ug/L	93	4		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	100	ug/L	100	11		40 (74)	160 (118)	20 (20)
	Toluene	20	20.7	ug/L	104	12		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	18.9	ug/L	95	7		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	19.6	ug/L	98	6		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	19.9	ug/L	100	12		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	100	ug/L	100	12		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	18.5	ug/L	93	8		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	19.0	ug/L	95	5		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	19.8	ug/L	99	6		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	19.5	ug/L	98	5		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	20.0	ug/L	100	7		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	41.6	ug/L	104	8		70 (82)	130 (110)	20 (20)
	o-Xylene	20	19.9	ug/L	100	7		70 (83)	130 (109)	20 (20)
	Styrene	20	20.1	ug/L	101	9		70 (80)	130 (111)	20 (20)
	Bromoform	20	17.2	ug/L	86	2		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	20.2	ug/L	101	8		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	19.5	ug/L	98	11		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	20.3	ug/L	102	10		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	19.7	ug/L	99	8		70 (82)	130 (107)	20 (20)
	1,2-Dichlorobenzene	20	20.2	ug/L	101	10		70 (82)	130 (109)	20 (20)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1478

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Datafile : VX045135.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0305WBSD01	1,2-Dibromo-3-Chloropropane	20	18.4	ug/L	92	9		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	20.0	ug/L	100	11		70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	20.1	ug/L	101	7		70 (76)	130 (114)	20 (20)

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0303WBL01

Lab Name: CHEMTECH

Contract: JAC005

Lab Code: CHEM Case No.: Q1478

SAS No.: Q1478 SDG NO.: Q1478

Lab File ID: VX045102.D

Lab Sample ID: VX0303WBL01

Date Analyzed: 03/03/2025

Time Analyzed: 09:39

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
VX0303WBS01	VX0303WBS01	VX045103.D	03/03/2025
IDW-AQ-DRUM-610-022825	Q1478-02	VX045109.D	03/03/2025
IDW-AQ-DRUM-616-022825	Q1478-04	VX045110.D	03/03/2025
IDW-AQ-DRUM-614-022825	Q1478-06	VX045111.D	03/03/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0305WBL01

Lab Name: CHEMTECH

Contract: JACO05

Lab Code: CHEM Case No.: Q1478

SAS No.: Q1478 SDG NO.: Q1478

Lab File ID: VX045129.D

Lab Sample ID: VX0305WBL01

Date Analyzed: 03/05/2025

Time Analyzed: 10:03

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
VX0305WBS01	VX0305WBS01	VX045130.D	03/05/2025
VX0305WBSD01	VX0305WBSD01	VX045135.D	03/05/2025
IDW-AQ-DRUM-616-022825DL	Q1478-04DL	VX045136.D	03/05/2025
IDW-AQ-DRUM-614-022825DL	Q1478-06DL	VX045137.D	03/05/2025
IDW-AQ-DRUM-610-022825DL	Q1478-02DL	VX045144.D	03/05/2025
IDW-AQ-DRUM-612-022825	Q1478-08	VX045145.D	03/05/2025

COMMENTS: _____



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05
Lab Code: CHEM Case No.: Q1478 SAS No.: Q1478 SDG NO.: Q1478
Lab File ID: VX045067.D BFB Injection Date: 02/28/2025
Instrument ID: MSVOA_X BFB Injection Time: 01:03
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	20.7
75	30.0 - 60.0% of mass 95	53.6
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	0.7 (1) 1
174	50.0 - 100.0% of mass 95	73.8
175	5.0 - 9.0% of mass 174	5.8 (7.9) 1
176	95.0 - 101.0% of mass 174	70.6 (95.6) 1
177	5.0 - 9.0% of mass 176	4.3 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX045068.D	02/28/2025	01:27
VSTDIC005	VSTDIC005	VX045069.D	02/28/2025	02:13
VSTDIC020	VSTDIC020	VX045070.D	02/28/2025	02:37
VSTDIC050	VSTDIC050	VX045071.D	02/28/2025	03:00
VSTDIC100	VSTDIC100	VX045072.D	02/28/2025	03:23
VSTDIC150	VSTDIC150	VX045073.D	02/28/2025	03:47



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05
Lab Code: CHEM Case No.: Q1478 SAS No.: Q1478 SDG NO.: Q1478
Lab File ID: VX045099.D BFB Injection Date: 03/03/2025
Instrument ID: MSVOA_X BFB Injection Time: 08:18
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	20
75	30.0 - 60.0% of mass 95	52.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	77.8
175	5.0 - 9.0% of mass 174	6 (7.7) 1
176	95.0 - 101.0% of mass 174	75.3 (96.8) 1
177	5.0 - 9.0% of mass 176	5.3 (7.1) 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	VX045100.D	03/03/2025	08:47
VX0303WBL01	VX0303WBL01	VX045102.D	03/03/2025	09:39
VX0303WBS01	VX0303WBS01	VX045103.D	03/03/2025	10:37
IDW-AQ-DRUM-610-022825	Q1478-02	VX045109.D	03/03/2025	13:46
IDW-AQ-DRUM-616-022825	Q1478-04	VX045110.D	03/03/2025	14:09
IDW-AQ-DRUM-614-022825	Q1478-06	VX045111.D	03/03/2025	14:31



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05
Lab Code: CHEM Case No.: Q1478 SAS No.: Q1478 SDG NO.: Q1478
Lab File ID: VX045126.D BFB Injection Date: 03/05/2025
Instrument ID: MSVOA_X BFB Injection Time: 08:40
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	21
75	30.0 - 60.0% of mass 95	53.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	77
175	5.0 - 9.0% of mass 174	5.1 (6.7) 1
176	95.0 - 101.0% of mass 174	73.3 (95.1) 1
177	5.0 - 9.0% of mass 176	5 (6.9) 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	VX045127.D	03/05/2025	09:12
VX0305WBL01	VX0305WBL01	VX045129.D	03/05/2025	10:03
VX0305WBS01	VX0305WBS01	VX045130.D	03/05/2025	10:26
VX0305WBSD01	VX0305WBSD01	VX045135.D	03/05/2025	12:26
IDW-AQ-DRUM-616-022825DL	Q1478-04DL	VX045136.D	03/05/2025	12:50
IDW-AQ-DRUM-614-022825DL	Q1478-06DL	VX045137.D	03/05/2025	13:13
IDW-AQ-DRUM-610-022825DL	Q1478-02DL	VX045144.D	03/05/2025	15:56
IDW-AQ-DRUM-612-022825	Q1478-08	VX045145.D	03/05/2025	16:19

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05
 Lab Code: CHEM Case No.: Q1478 SAS No.: Q1478 SDG NO.: Q1478
 Lab File ID: VX045100.D Date Analyzed: 03/03/2025
 Instrument ID: MSVOA_X Time Analyzed: 08:47
 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	110336	5.54	188916	6.75	164466	10.05
UPPER LIMIT	220672	6.038	377832	7.251	328932	10.549
LOWER LIMIT	55168	5.038	94458	6.251	82233	9.549
EPA SAMPLE NO.						
IDW-AQ-DRUM-610-022825	84810	5.54	169281	6.76	138779	10.05
IDW-AQ-DRUM-616-022825	77986	5.54	153844	6.76	143555	10.05
IDW-AQ-DRUM-614-022825	75051	5.54	147850	6.75	135587	10.05
VX0303WBL01	88708	5.54	176545	6.76	160387	10.05
VX0303WBS01	102460	5.54	180548	6.75	158197	10.05

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: JACO05
 Lab Code: CHEM Case No.: Q1478 SAS No.: Q1478 SDG NO.: Q1478
 Lab File ID: VX045100.D Date Analyzed: 03/03/2025
 Instrument ID: MSVOA_X Time Analyzed: 08:47
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	76846	12.018				
UPPER LIMIT	153692	12.518				
LOWER LIMIT	38423	11.518				
EPA SAMPLE NO.						
IDW-AQ-DRUM-610-022825	68503	12.02				
IDW-AQ-DRUM-616-022825	60766	12.02				
IDW-AQ-DRUM-614-022825	59630	12.02				
VX0303WBL01	70988	12.02				
VX0303WBS01	74771	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: JACO05
Lab Code: CHEM Case No.: Q1478 SAS No.: Q1478 SDG NO.: Q1478
Lab File ID: VX045127.D Date Analyzed: 03/05/2025
Instrument ID: MSVOA_X Time Analyzed: 09:12
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	112291	5.54	190470	6.75	164207	10.05
UPPER LIMIT	224582	6.044	380940	7.251	328414	10.549
LOWER LIMIT	56145.5	5.044	95235	6.251	82103.5	9.549
EPA SAMPLE NO.						
IDW-AQ-DRUM-610-022825DL	75743	5.54	152545	6.76	141767	10.05
IDW-AQ-DRUM-616-022825DL	75457	5.55	145945	6.76	124906	10.06
IDW-AQ-DRUM-614-022825DL	73767	5.55	147372	6.76	131471	10.05
IDW-AQ-DRUM-612-022825	74500	5.55	149821	6.76	139770	10.05
VX0305WBL01	68143	5.54	136785	6.76	125445	10.05
VX0305WBS01	98769	5.54	177910	6.76	153160	10.06
VX0305WBSD01	104383	5.55	188951	6.76	167692	10.05

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: JACO05
 Lab Code: CHEM Case No.: Q1478 SAS No.: Q1478 SDG NO.: Q1478
 Lab File ID: VX045127.D Date Analyzed: 03/05/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:12
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	74481	12.018				
UPPER LIMIT	148962	12.518				
LOWER LIMIT	37240.5	11.518				
EPA SAMPLE NO.						
IDW-AQ-DRUM-610-022825DL	60887	12.02				
IDW-AQ-DRUM-616-022825DL	49286	12.02				
IDW-AQ-DRUM-614-022825DL	49478	12.02				
IDW-AQ-DRUM-612-022825	59528	12.02				
VX0305WBL01	50961	12.02				
VX0305WBS01	68669	12.02				
VX0305WBSD01	73577	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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-AQ-DRUM-610-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-02	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
VX045109.D	1		03/03/25 13:46	VX030325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	3.00		0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1400	E	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	27.3		0.26	1.00	ug/L
67-64-1	Acetone	6.30		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	52.4		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	11.4		0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1500	E	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	3.30		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	31.5		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	1.20		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	2.70		0.24	1.00	ug/L
79-01-6	Trichloroethene	13000	E	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	3.30		0.18	1.00	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-AQ-DRUM-610-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-02	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
VX045109.D	1		03/03/25 13:46	VX030325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.43	J	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	820	E	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.35	J	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	6.80		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.0		70 (74) - 130 (125)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	43.0		70 (86) - 130 (113)	86%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	84800	5.544			
540-36-3	1,4-Difluorobenzene	169000	6.757			
3114-55-4	Chlorobenzene-d5	139000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	68500	12.018			

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-AQ-DRUM-610-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-02	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
VX045109.D	1		03/03/25 13:46	VX030325

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\VX030325\
 Data File : VX045109.D
 Acq On : 03 Mar 2025 13:46
 Operator : JC/MD
 Sample : Q1478-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-AQ-DRUM-610-022825

Quant Time: Mar 04 05:22:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

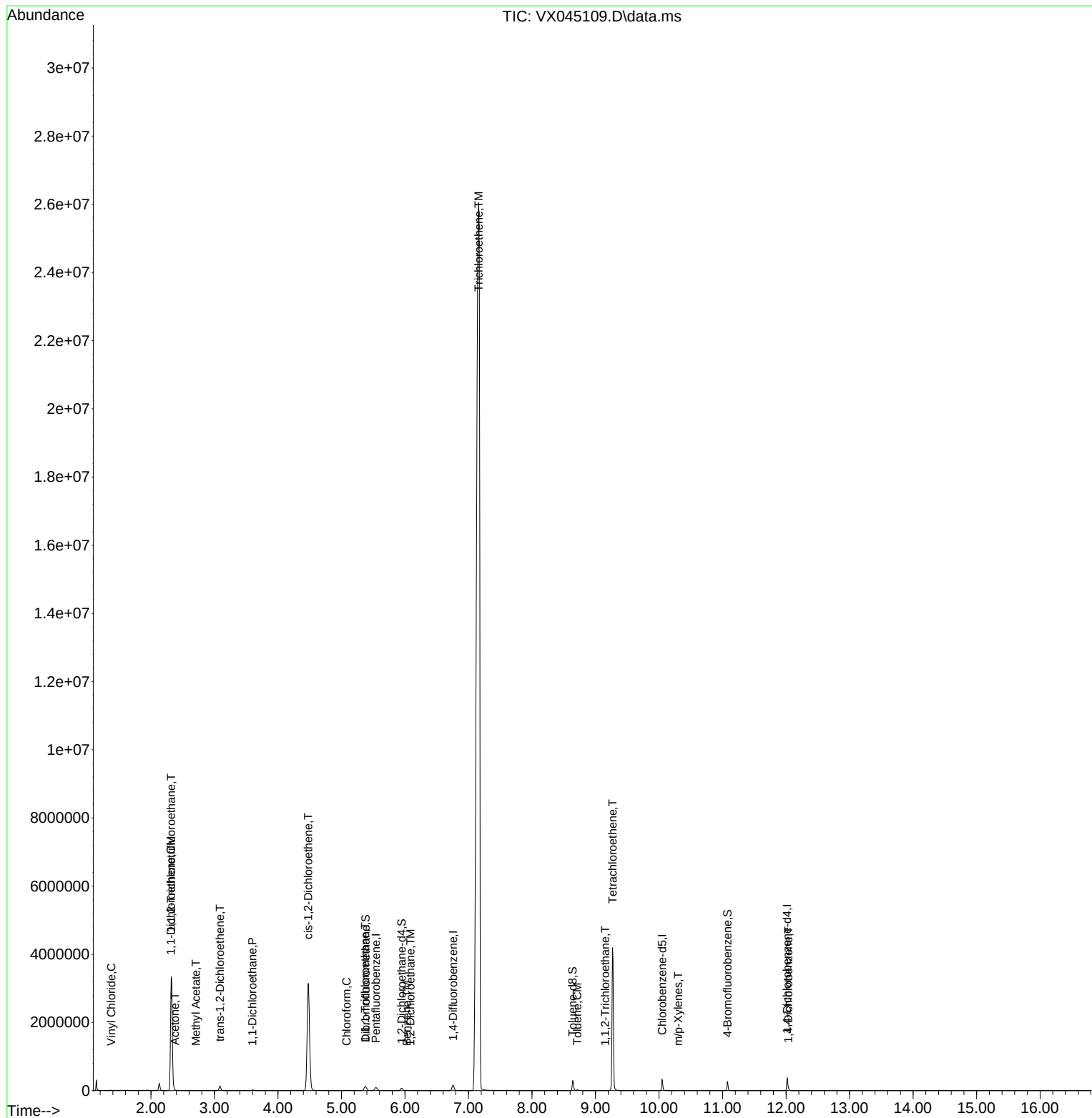
Internal Standards						
1) Pentafluorobenzene	5.544	168	84810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	169281	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	138779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	67488	50.027	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.060%	
35) Dibromofluoromethane	5.379	113	55945	49.424	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.840%	
50) Toluene-d8	8.641	98	176471	43.003	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 86.000%	
62) 4-Bromofluorobenzene	11.079	95	69546	51.143	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.280%	
Target Compounds						Qvalue
4) Vinyl Chloride	1.374	62	3854	2.974	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.319	101	1342729	1362.203	ug/l	99
12) 1,1-Dichloroethene	2.313	96	28456	27.305	ug/l	98
16) Acetone	2.380	43	3967	6.338	ug/l	96
18) Methyl Acetate	2.709	43	806	0.535	ug/l #	84
21) trans-1,2-Dichloroethene	3.087	96	53998	52.448	ug/l	93
24) 1,1-Dichloroethane	3.599	63	24136	11.415	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	1844339	1451.156	ug/l	96
30) Chloroform	5.080	83	6975	3.320	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	53454	31.503	ug/l	98
40) Benzene	6.031	78	5946	1.213	ug/l	100
42) 1,2-Dichloroethane	6.086	62	4777	2.706	ug/l	95
44) Trichloroethene	7.159	130	14962403	12999.289	ug/l	95
52) Toluene	8.714	92	9358	3.254	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	504	0.426	ug/l #	78
64) Tetrachloroethene	9.269	164	732498	824.121	ug/l	98
68) m/p-Xylenes	10.299	106	651	0.348	ug/l	86
88) 1,4-Dichlorobenzene	12.036	146	15569	6.838	ug/l	93

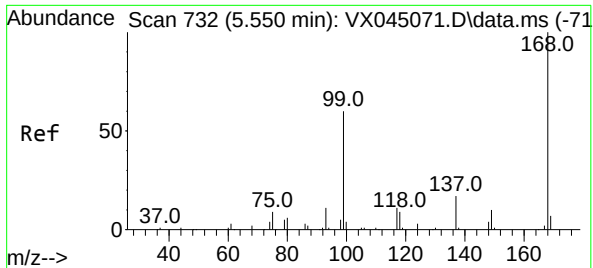
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
Data File : VX045109.D
Acq On : 03 Mar 2025 13:46
Operator : JC/MD
Sample : Q1478-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-610-022825

Quant Time: Mar 04 05:22:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

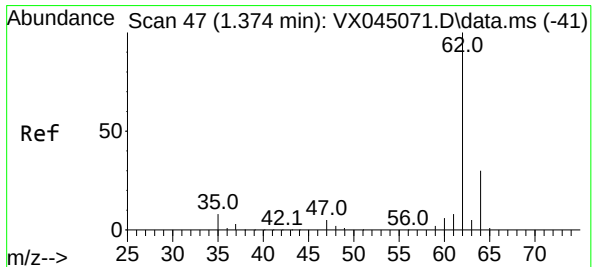
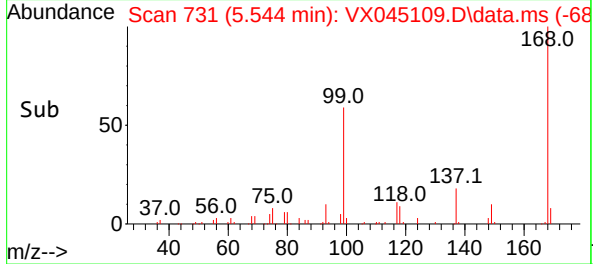
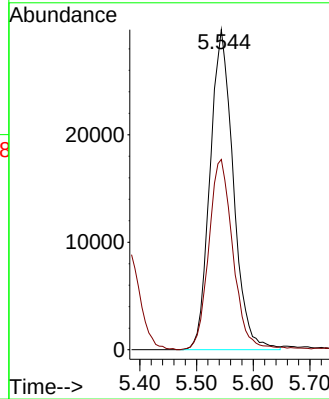
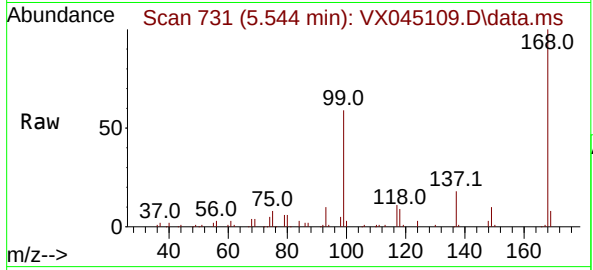




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045109.D
Acq: 03 Mar 2025 13:46

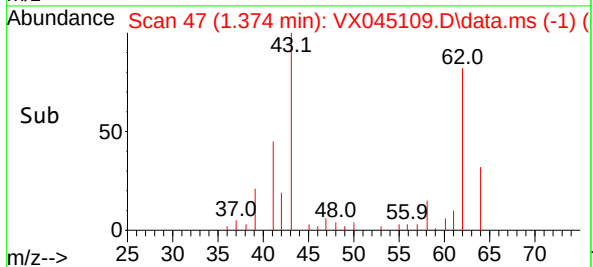
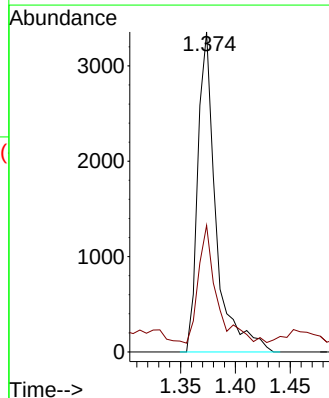
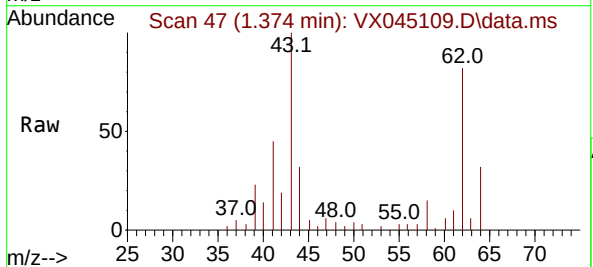
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-610-022825

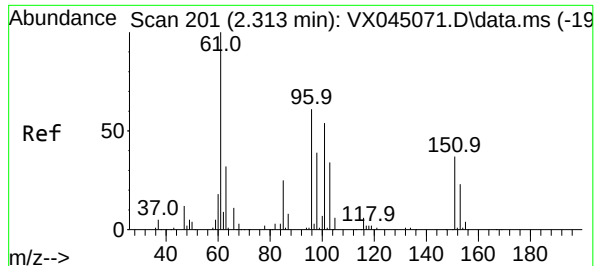
Tgt Ion:168 Resp: 84810
Ion Ratio Lower Upper
168 100
99 59.5 48.2 72.4



#4
Vinyl Chloride
Concen: 2.974 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045109.D
Acq: 03 Mar 2025 13:46

Tgt Ion: 62 Resp: 3854
Ion Ratio Lower Upper
62 100
64 36.1 24.3 36.5

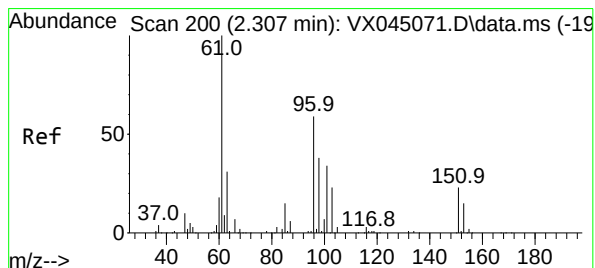
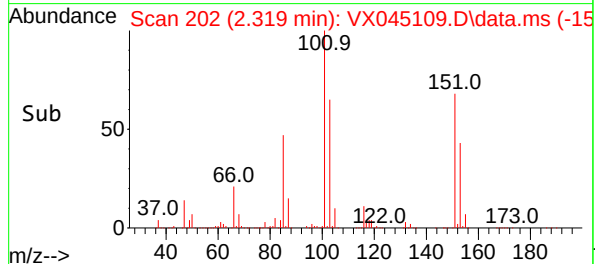
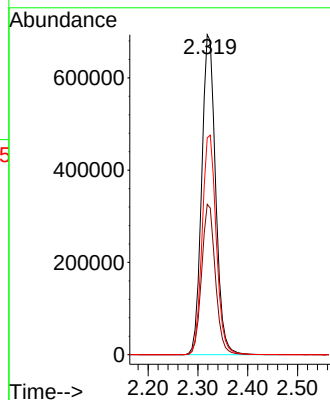
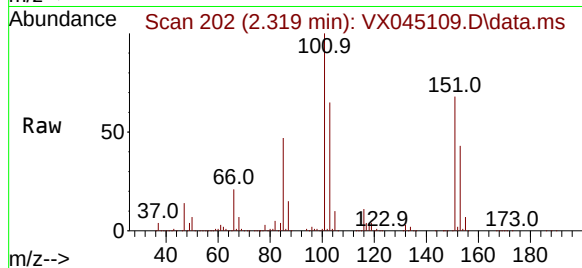




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1362.203 ug/l
RT: 2.319 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045109.D
Acq: 03 Mar 2025 13:46

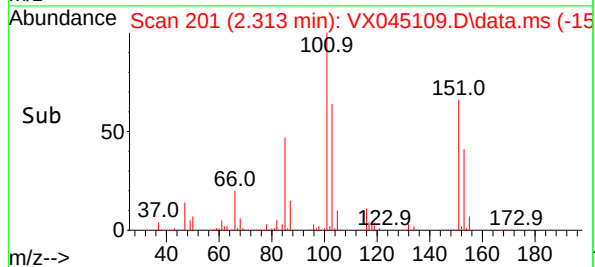
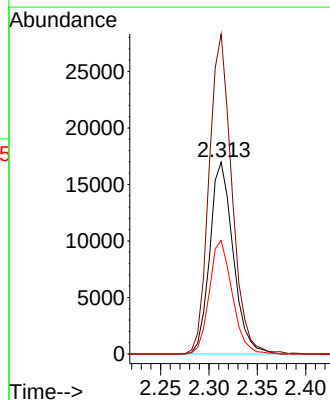
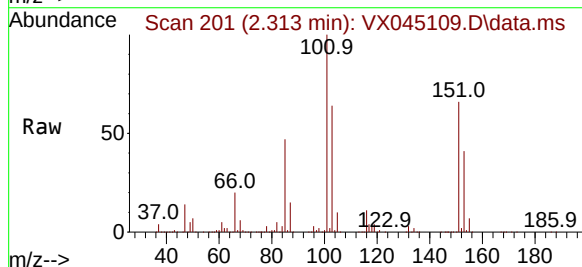
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-610-022825

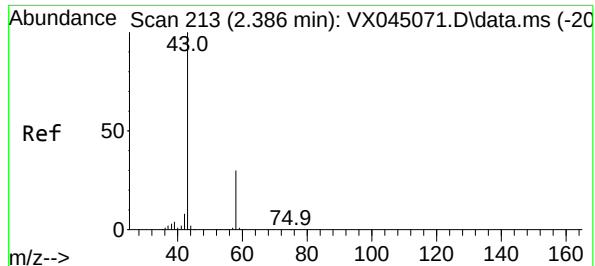
Tgt Ion:101 Resp: 1342729
Ion Ratio Lower Upper
101 100
85 46.4 36.2 54.4
151 69.8 56.4 84.6



#12
1,1-Dichloroethene
Concen: 27.305 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045109.D
Acq: 03 Mar 2025 13:46

Tgt Ion: 96 Resp: 28456
Ion Ratio Lower Upper
96 100
61 166.8 134.6 202.0
98 59.2 51.0 76.6





#16

Acetone

Concen: 6.338 ug/l

RT: 2.380 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX045109.D

Acq: 03 Mar 2025 13:46

Instrument :

MSVOA_X

ClientSampleId :

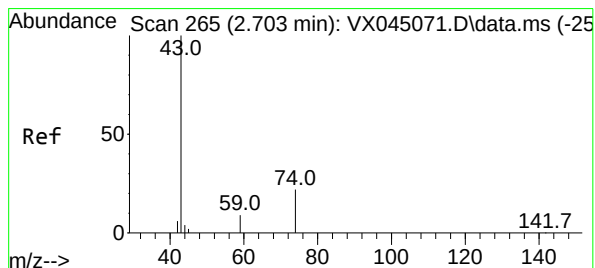
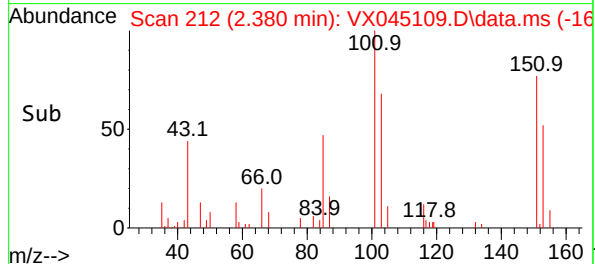
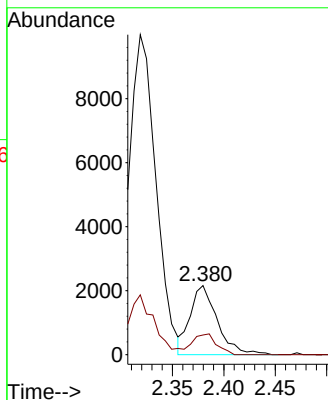
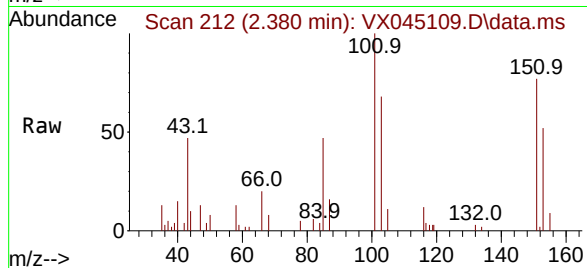
IDW-AQ-DRUM-610-022825

Tgt Ion: 43 Resp: 3967

Ion Ratio Lower Upper

43 100

58 28.4 24.2 36.4



#18

Methyl Acetate

Concen: 0.535 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX045109.D

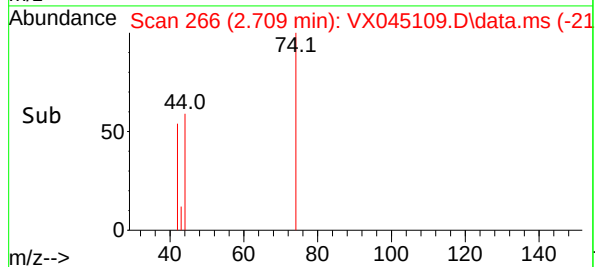
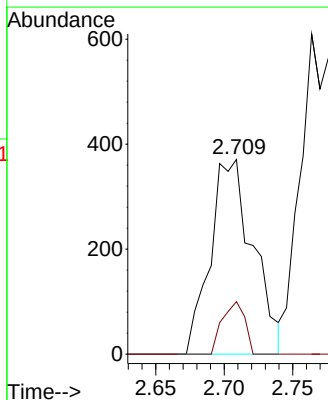
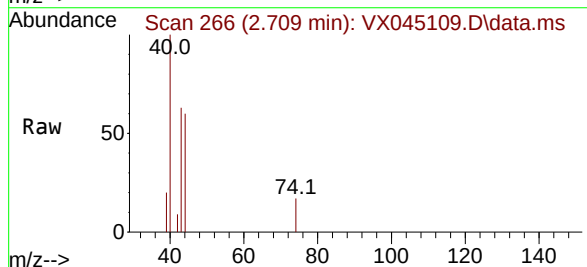
Acq: 03 Mar 2025 13:46

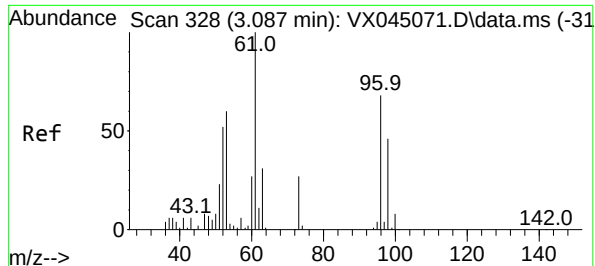
Tgt Ion: 43 Resp: 806

Ion Ratio Lower Upper

43 100

74 14.1 17.4 26.2#

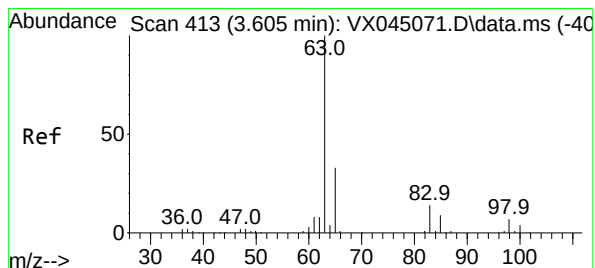
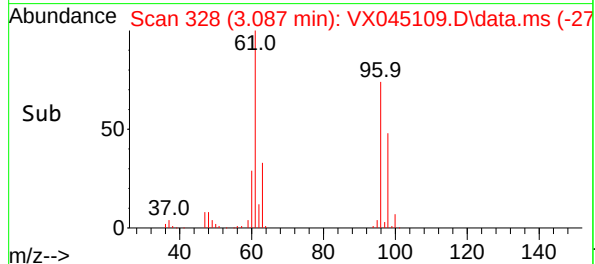
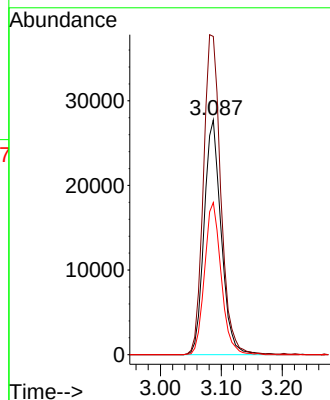
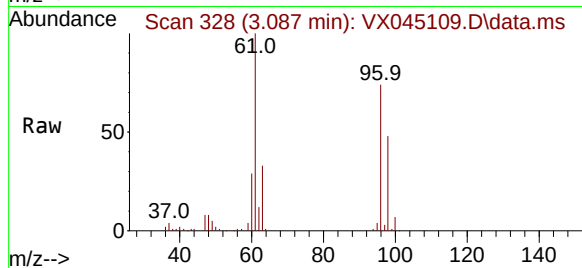




#21
trans-1,2-Dichloroethene
Concen: 52.448 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX045109.D
Acq: 03 Mar 2025 13:46

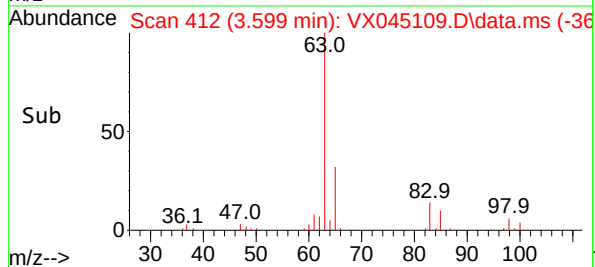
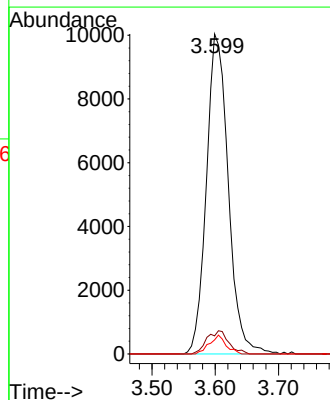
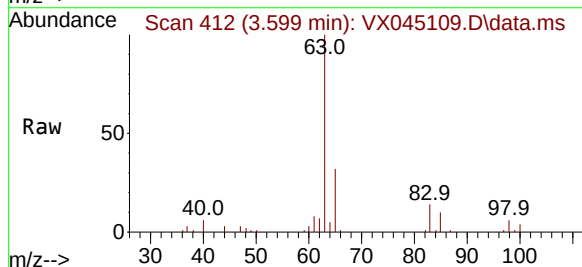
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-610-022825

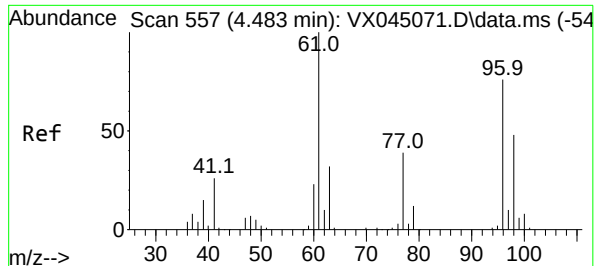
Tgt Ion:	96	Resp:	53998
Ion	Ratio	Lower	Upper
96	100		
61	135.6	117.0	175.4
98	64.8	53.4	80.2



#24
1,1-Dichloroethane
Concen: 11.415 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045109.D
Acq: 03 Mar 2025 13:46

Tgt Ion:	63	Resp:	24136
Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.4	10.2
100	4.4	2.1	6.5





#27

cis-1,2-Dichloroethene

Concen: 1451.156 ug/l

RT: 4.477 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX045109.D

Acq: 03 Mar 2025 13:46

Instrument :

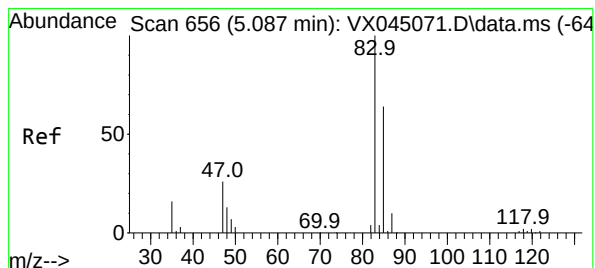
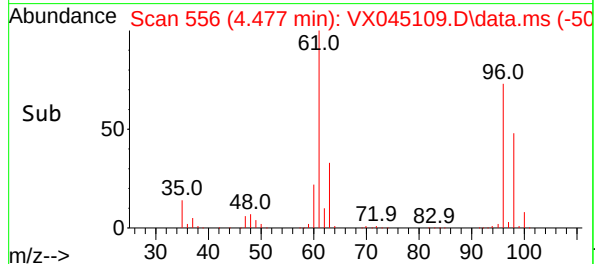
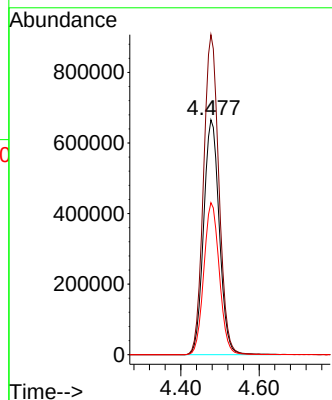
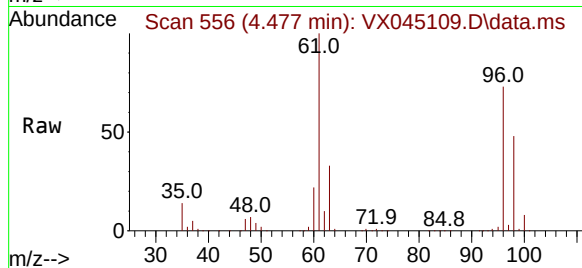
MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-610-022825

Tgt Ion: 96 Resp: 1844339

Ion	Ratio	Lower	Upper
96	100		
61	134.0	0.0	283.2
98	64.1	0.0	128.0



#30

Chloroform

Concen: 3.320 ug/l

RT: 5.080 min Scan# 655

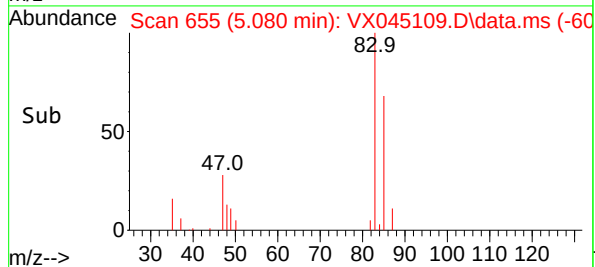
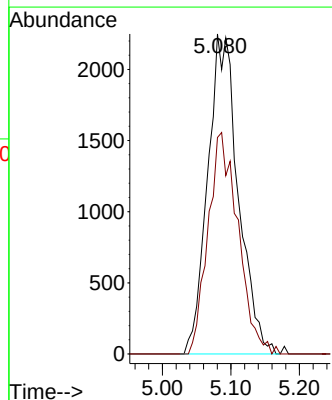
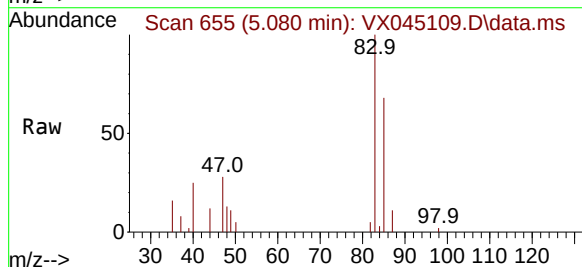
Delta R.T. -0.006 min

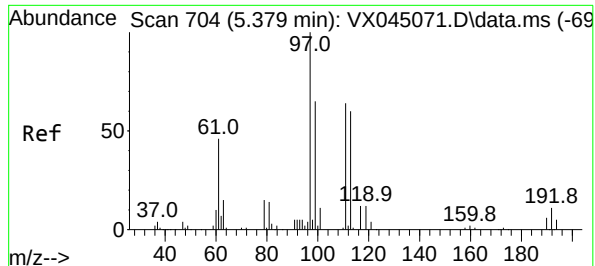
Lab File: VX045109.D

Acq: 03 Mar 2025 13:46

Tgt Ion: 83 Resp: 6975

Ion	Ratio	Lower	Upper
83	100		
85	67.7	51.4	77.2





#32

1,1,1-Trichloroethane

Concen: 31.503 ug/l

RT: 5.373 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX045109.D

Acq: 03 Mar 2025 13:46

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-610-022825

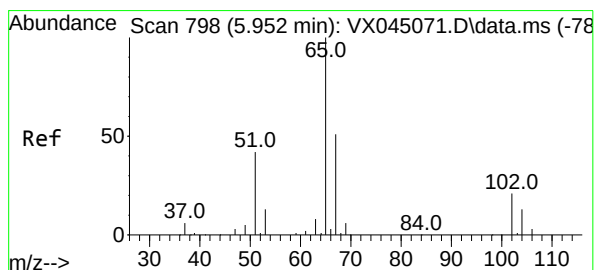
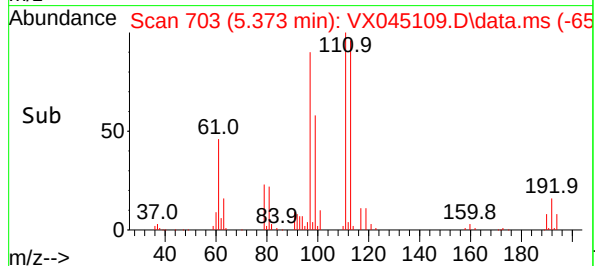
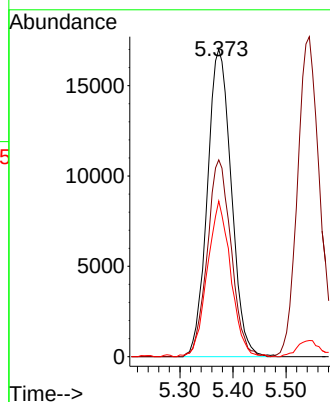
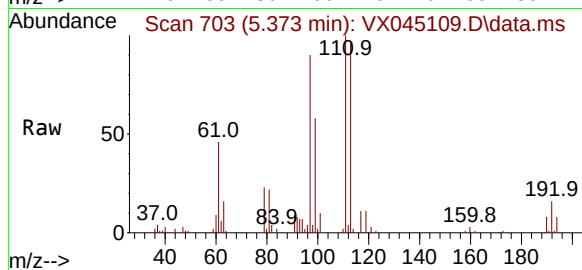
Tgt Ion: 97 Resp: 53454

Ion Ratio Lower Upper

97 100

99 63.6 51.6 77.4

61 49.5 38.4 57.6



#33

1,2-Dichloroethane-d4

Concen: 50.027 ug/l

RT: 5.946 min Scan# 797

Delta R.T. -0.006 min

Lab File: VX045109.D

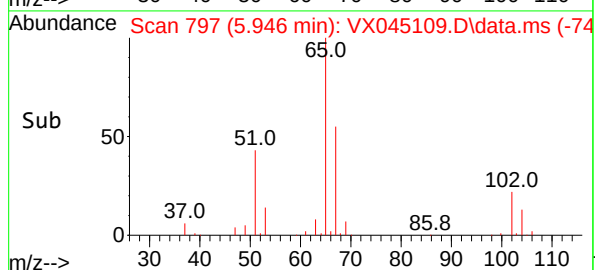
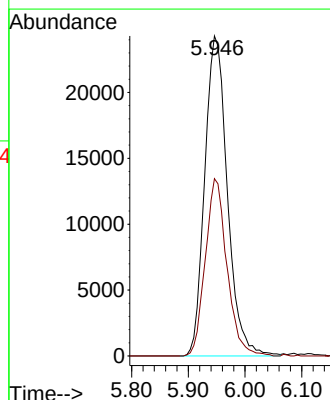
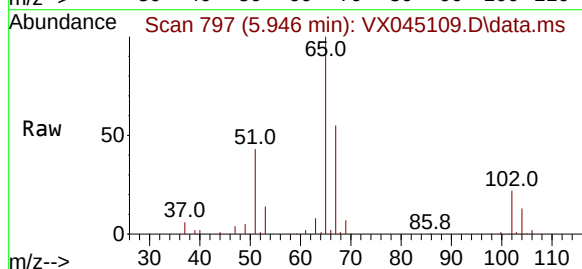
Acq: 03 Mar 2025 13:46

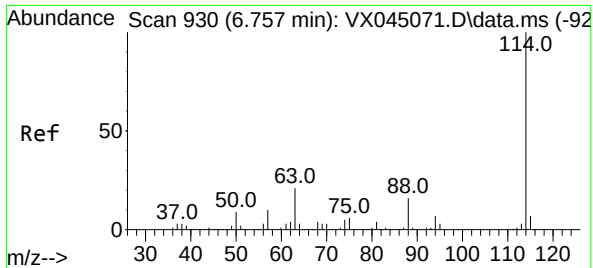
Tgt Ion: 65 Resp: 67488

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX045109.D

Acq: 03 Mar 2025 13:46

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-610-022825

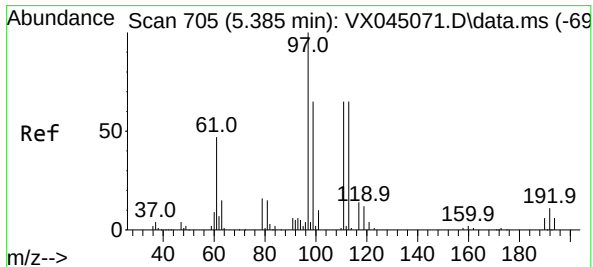
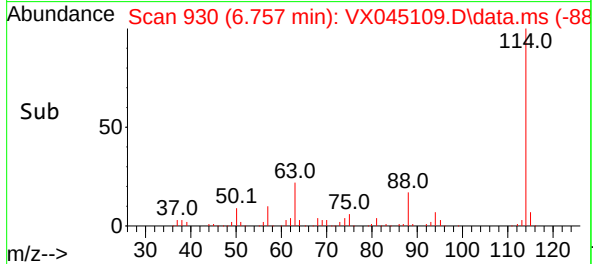
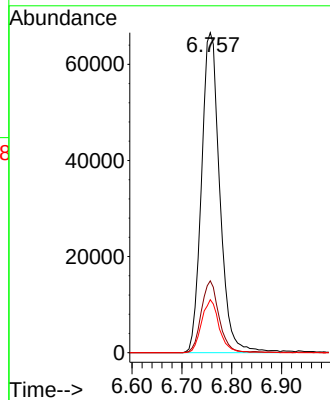
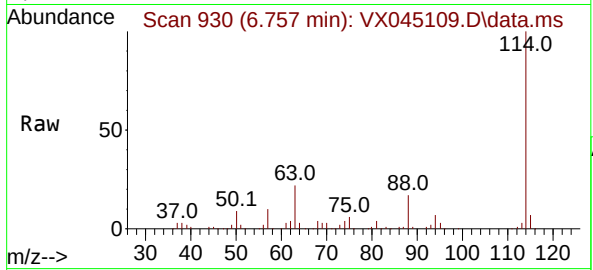
Tgt Ion:114 Resp: 169281

Ion Ratio Lower Upper

114 100

63 22.4 0.0 41.8

88 16.6 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.424 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX045109.D

Acq: 03 Mar 2025 13:46

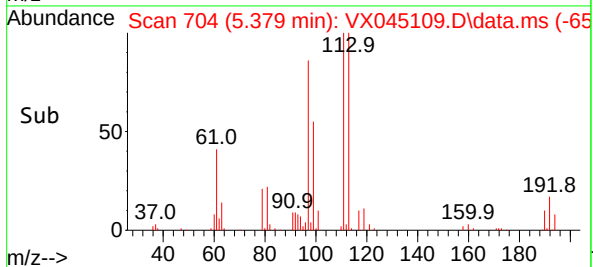
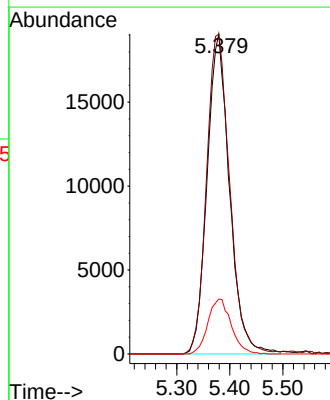
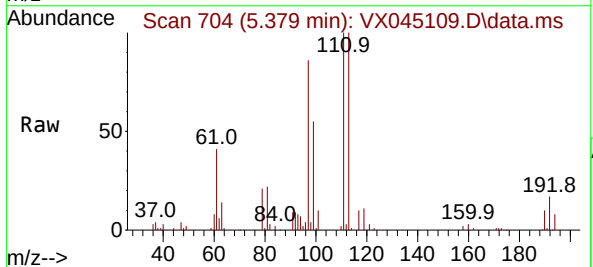
Tgt Ion:113 Resp: 55945

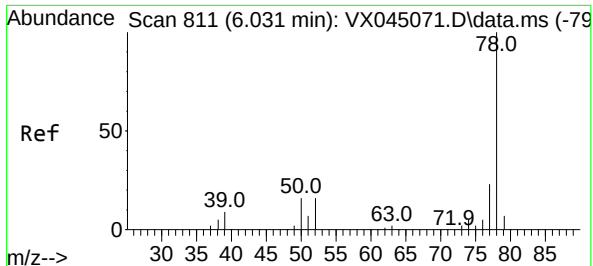
Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.6

192 17.8 14.3 21.5





#40

Benzene

Concen: 1.213 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX045109.D

Acq: 03 Mar 2025 13:46

Instrument :

MSVOA_X

ClientSampleId :

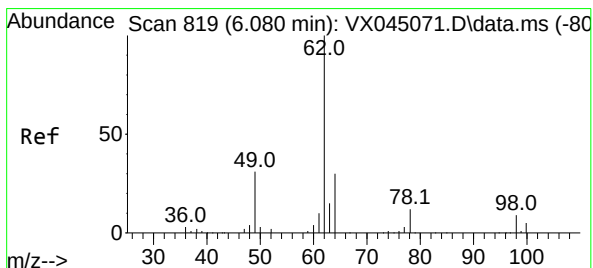
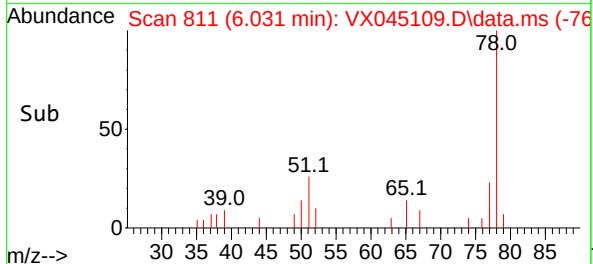
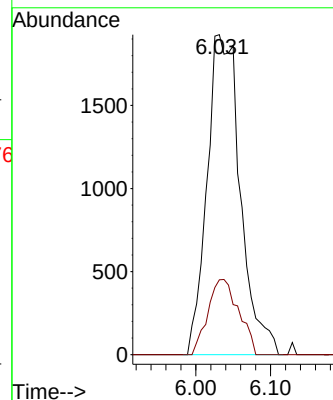
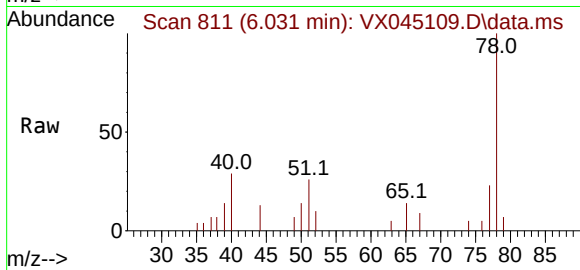
IDW-AQ-DRUM-610-022825

Tgt Ion: 78 Resp: 5946

Ion Ratio Lower Upper

78 100

77 23.4 18.8 28.2



#42

1,2-Dichloroethane

Concen: 2.706 ug/l

RT: 6.086 min Scan# 820

Delta R.T. 0.006 min

Lab File: VX045109.D

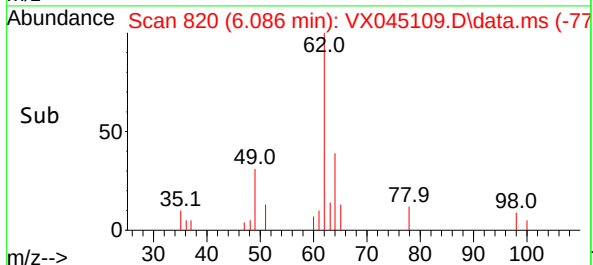
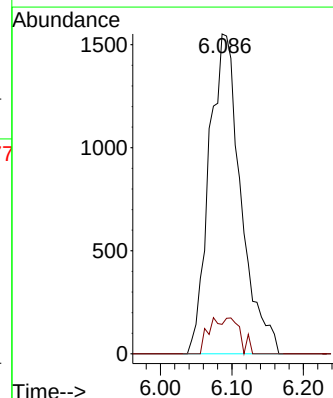
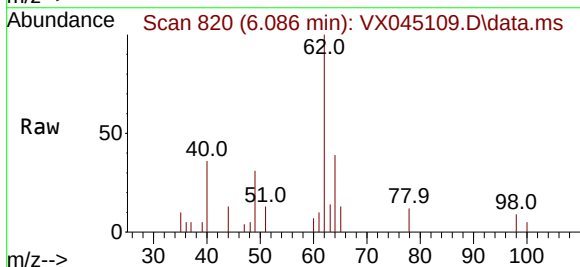
Acq: 03 Mar 2025 13:46

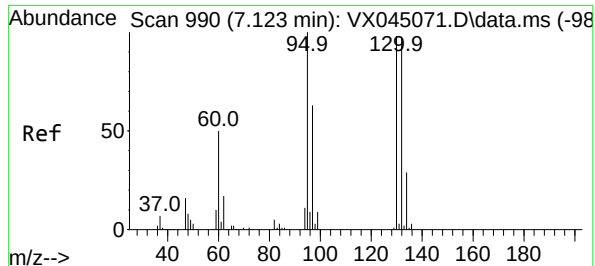
Tgt Ion: 62 Resp: 4777

Ion Ratio Lower Upper

62 100

98 10.8 0.0 18.2





#44

Trichloroethene

Concen: 12999.289 ug/l

RT: 7.159 min Scan# 990

Delta R.T. 0.037 min

Lab File: VX045109.D

Acq: 03 Mar 2025 13:46

Instrument :

MSVOA_X

ClientSampleId :

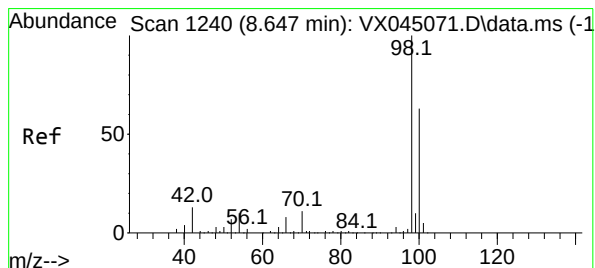
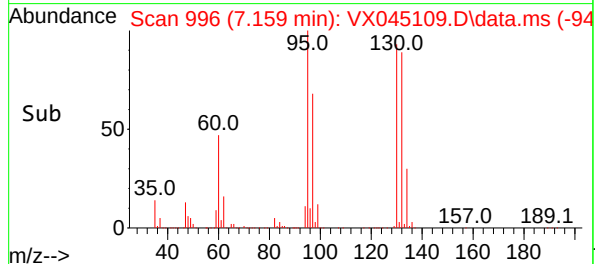
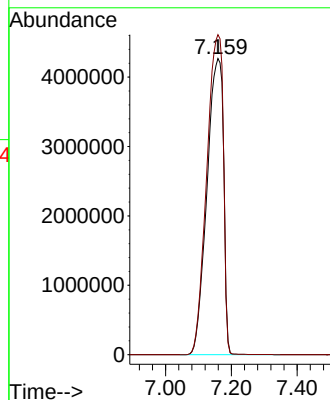
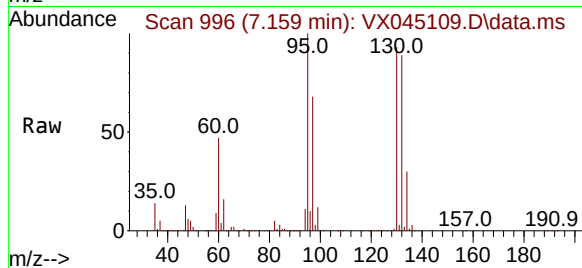
IDW-AQ-DRUM-610-022825

Tgt Ion:130 Resp:14962403

Ion Ratio Lower Upper

130 100

95 108.0 0.0 205.0



#50

Toluene-d8

Concen: 43.003 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. -0.006 min

Lab File: VX045109.D

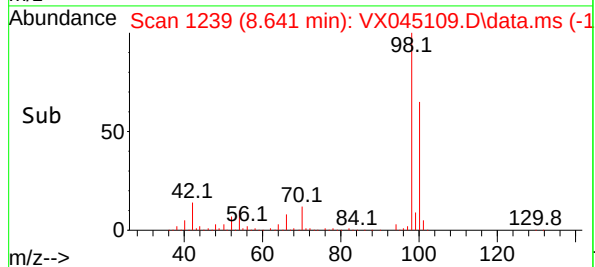
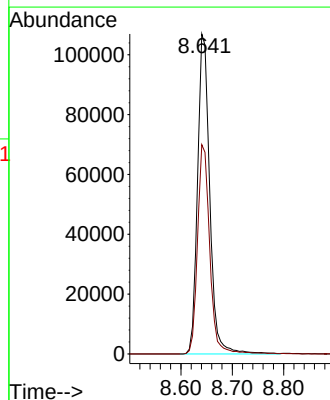
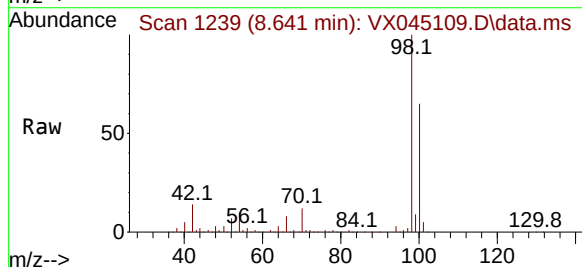
Acq: 03 Mar 2025 13:46

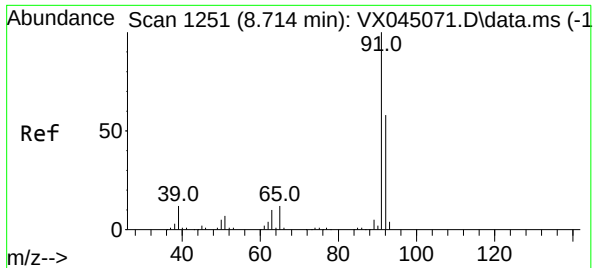
Tgt Ion: 98 Resp: 176471

Ion Ratio Lower Upper

98 100

100 65.6 52.0 78.0





#52

Toluene

Concen: 3.254 ug/l

RT: 8.714 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX045109.D

Acq: 03 Mar 2025 13:46

Instrument :

MSVOA_X

ClientSampleId :

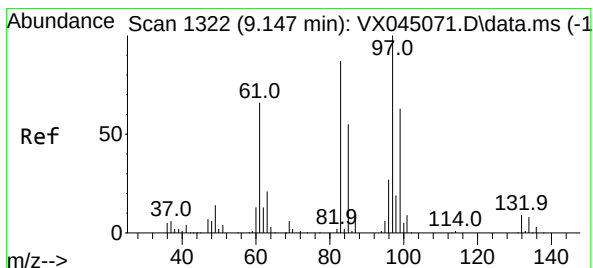
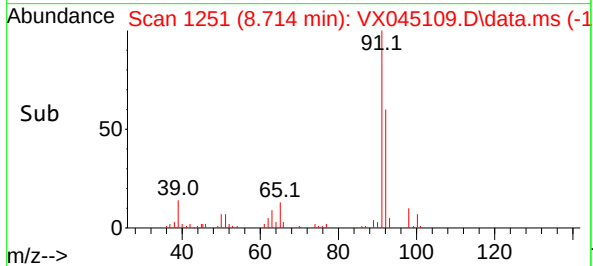
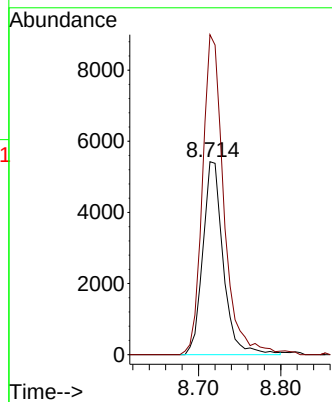
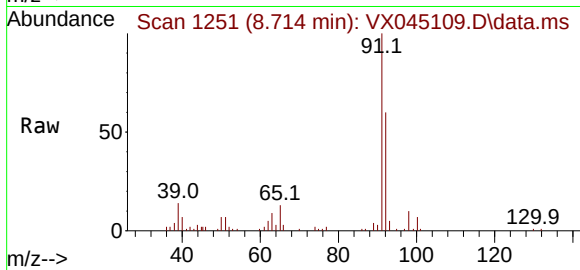
IDW-AQ-DRUM-610-022825

Tgt Ion: 92 Resp: 9358

Ion Ratio Lower Upper

92 100

91 174.3 138.9 208.3



#55

1,1,2-Trichloroethane

Concen: 0.426 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.006 min

Lab File: VX045109.D

Acq: 03 Mar 2025 13:46

Tgt Ion: 97 Resp: 504

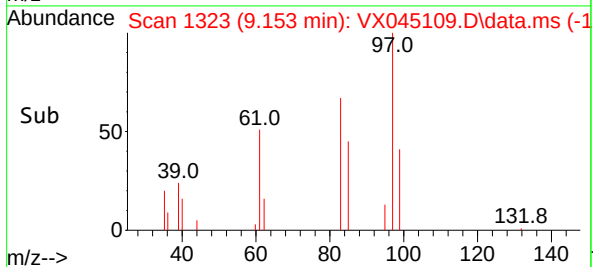
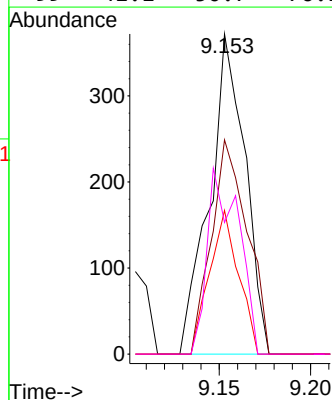
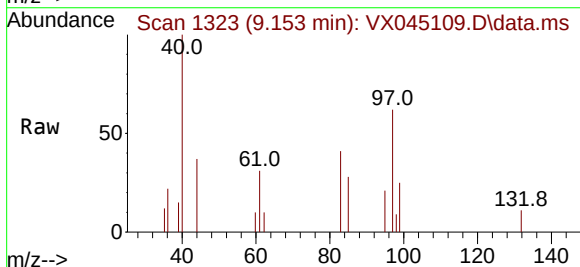
Ion Ratio Lower Upper

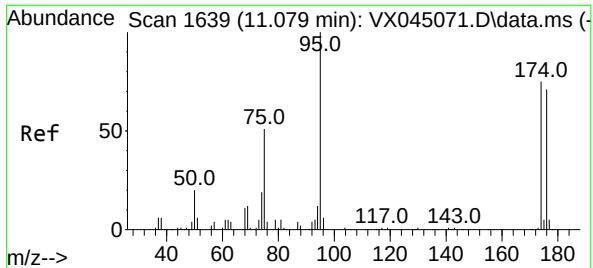
97 100

83 66.9 69.4 104.2#

85 44.9 44.1 66.1

99 41.1 50.7 76.1#

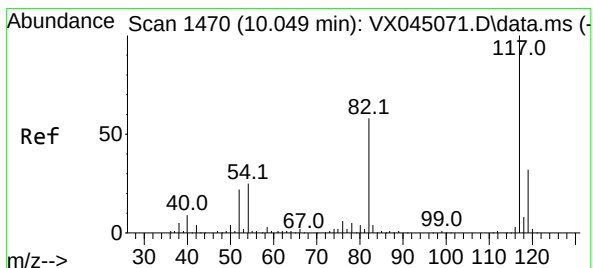
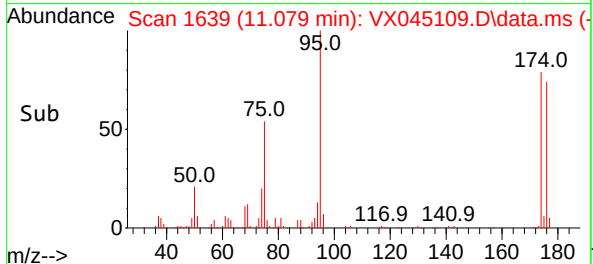
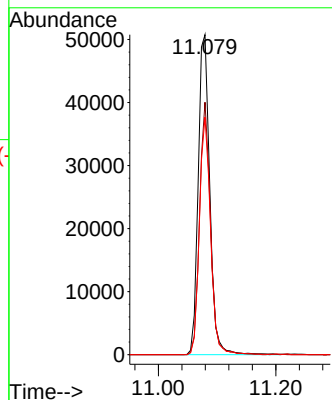
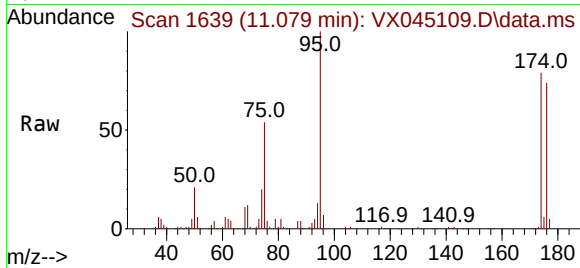




#62
4-Bromofluorobenzene
Concen: 51.143 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045109.D
Acq: 03 Mar 2025 13:46

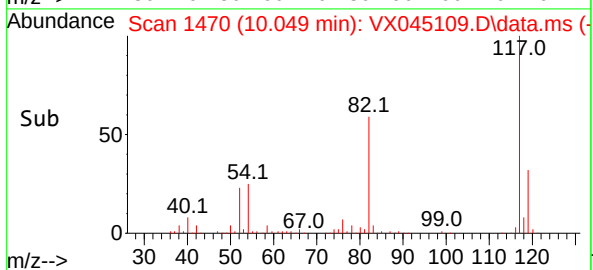
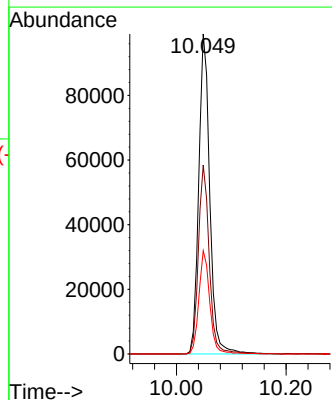
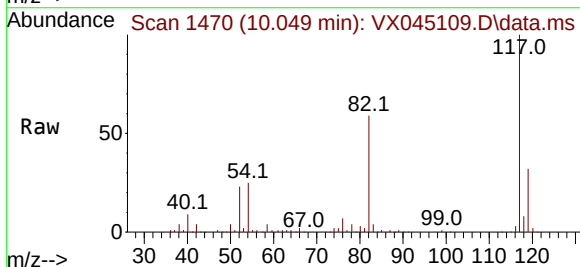
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-610-022825

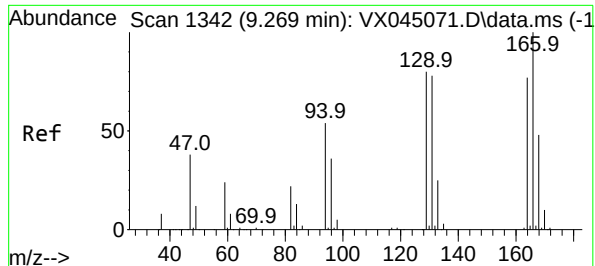
Tgt Ion:	95	Resp:	69546
Ion Ratio	Lower	Upper	
95	100		
174	74.6	0.0	148.2
176	71.6	0.0	141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045109.D
Acq: 03 Mar 2025 13:46

Tgt Ion:	117	Resp:	138779
Ion Ratio	Lower	Upper	
117	100		
82	59.0	46.3	69.5
119	32.2	25.7	38.5





#64

Tetrachloroethene

Concen: 824.121 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX045109.D

Acq: 03 Mar 2025 13:46

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-610-022825

Tgt Ion:164 Resp: 732498

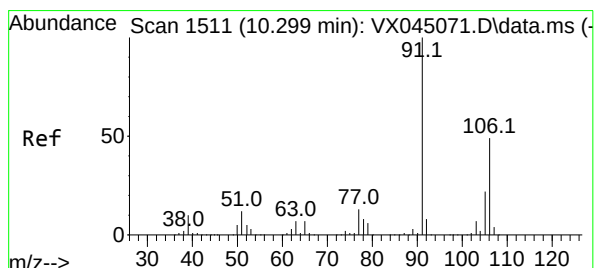
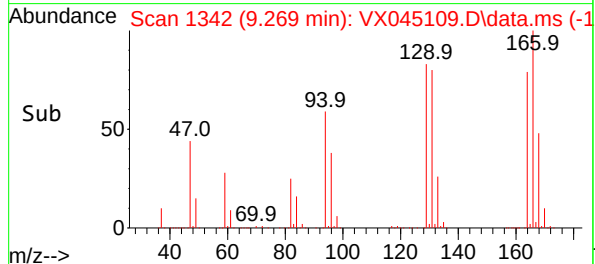
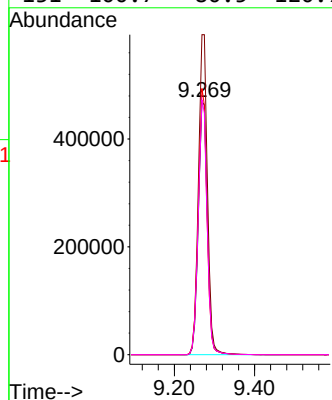
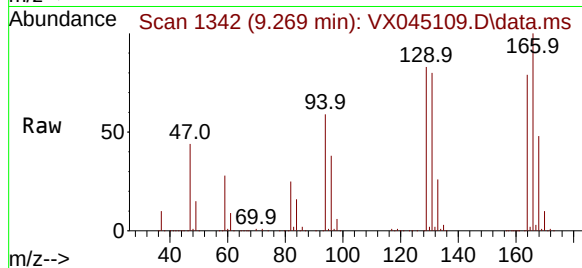
Ion Ratio Lower Upper

164 100

166 126.5 103.6 155.4

129 105.2 82.7 124.1

131 100.7 80.5 120.7



#68

m/p-Xylenes

Concen: 0.348 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX045109.D

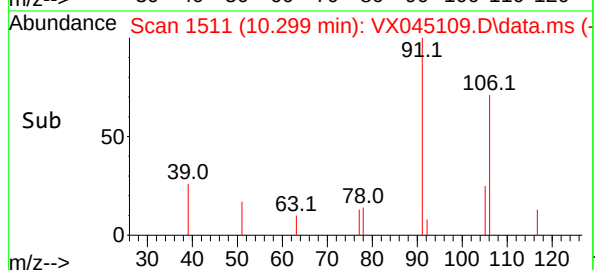
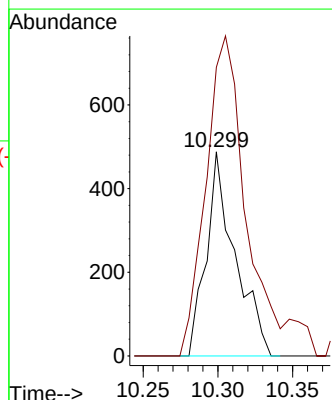
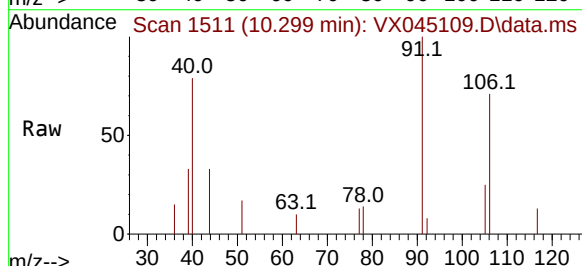
Acq: 03 Mar 2025 13:46

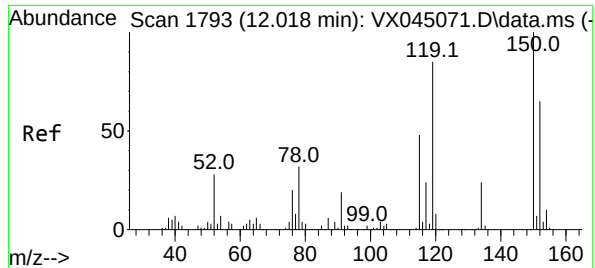
Tgt Ion:106 Resp: 651

Ion Ratio Lower Upper

106 100

91 228.0 165.4 248.0

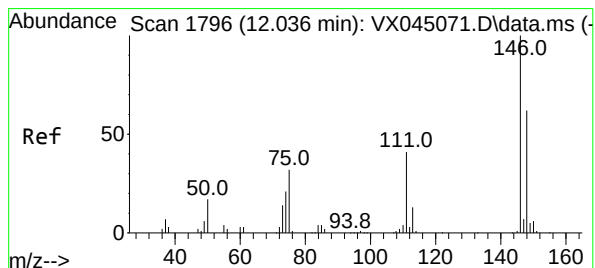
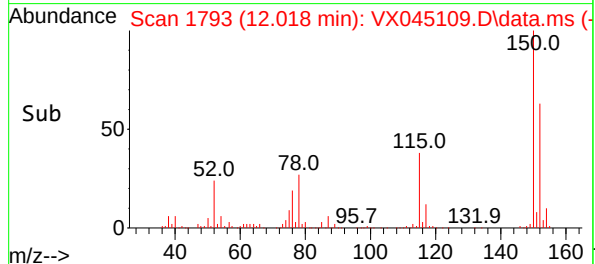
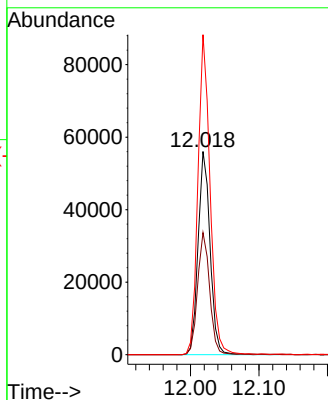
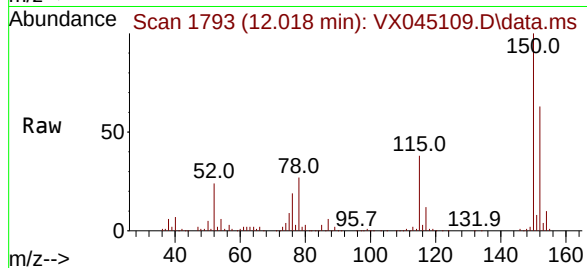




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045109.D
Acq: 03 Mar 2025 13:46

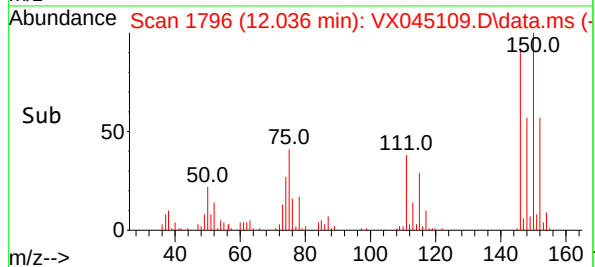
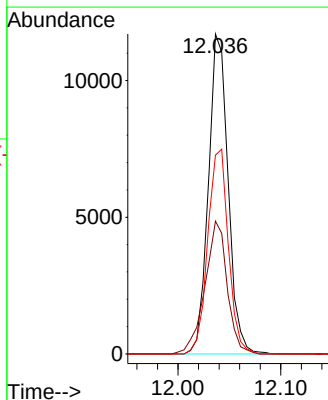
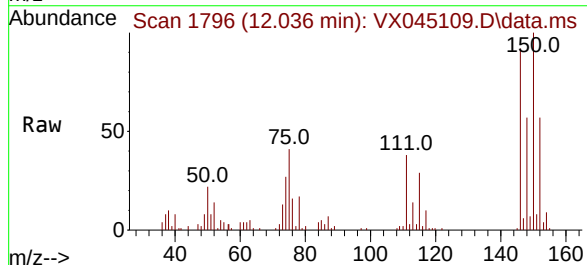
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-610-022825

Tgt Ion:152 Resp: 68503
Ion Ratio Lower Upper
152 100
115 60.3 44.2 132.6
150 158.4 0.0 349.0



#88
1,4-Dichlorobenzene
Concen: 6.838 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045109.D
Acq: 03 Mar 2025 13:46

Tgt Ion:146 Resp: 15569
Ion Ratio Lower Upper
146 100
111 47.0 20.2 60.5
148 67.0 31.9 95.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
Data File : VX045109.D
Acq On : 03 Mar 2025 13:46
Operator : JC/MD
Sample : Q1478-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-610-022825

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\82X022825W.M

Title : SW846 8260

Signal : TIC: VX045109.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.319	194	202	219	rBV	3342083	6493595	6.96%	5.669%
2	4.477	543	556	577	rBV	3145157	8326220	8.92%	7.269%
3	7.159	978	996	1026	rBV2	26047248	93292176	100.00%	81.442%
4	9.269	1335	1342	1373	rVB	4192315	6438626	6.90%	5.621%

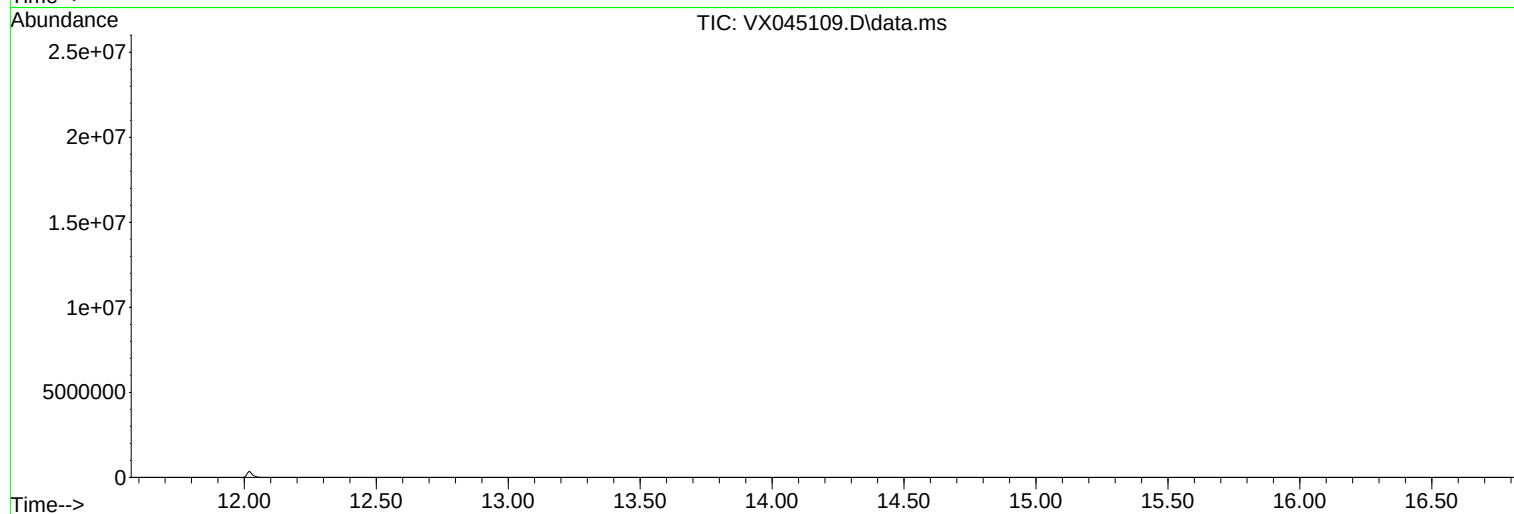
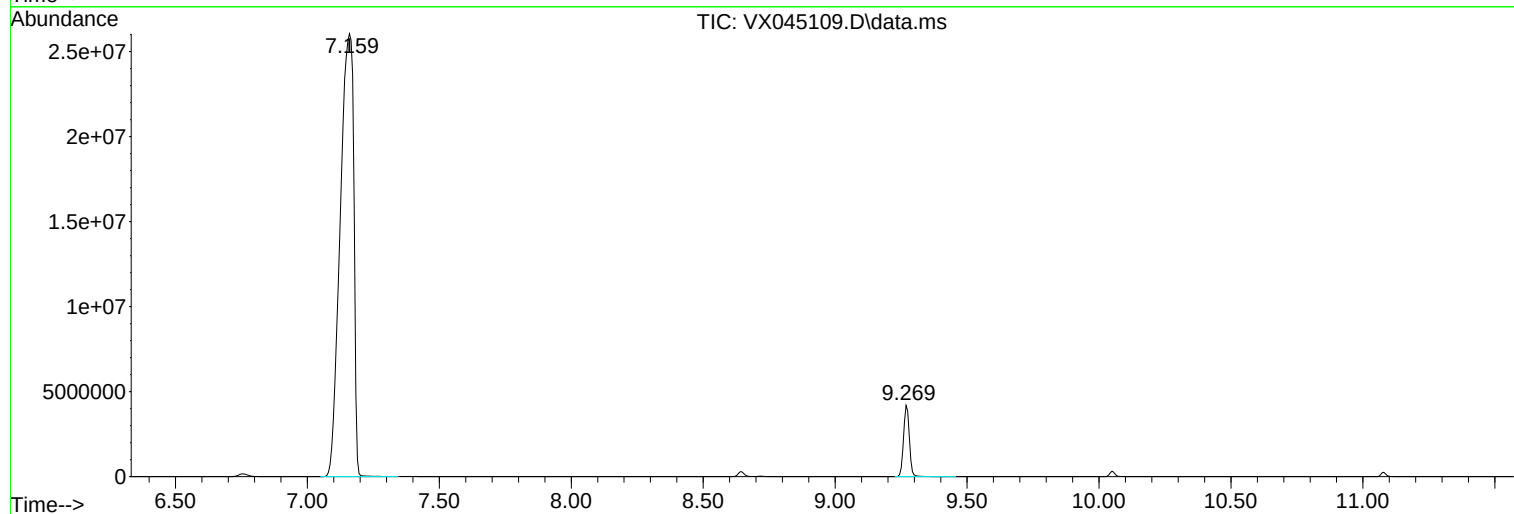
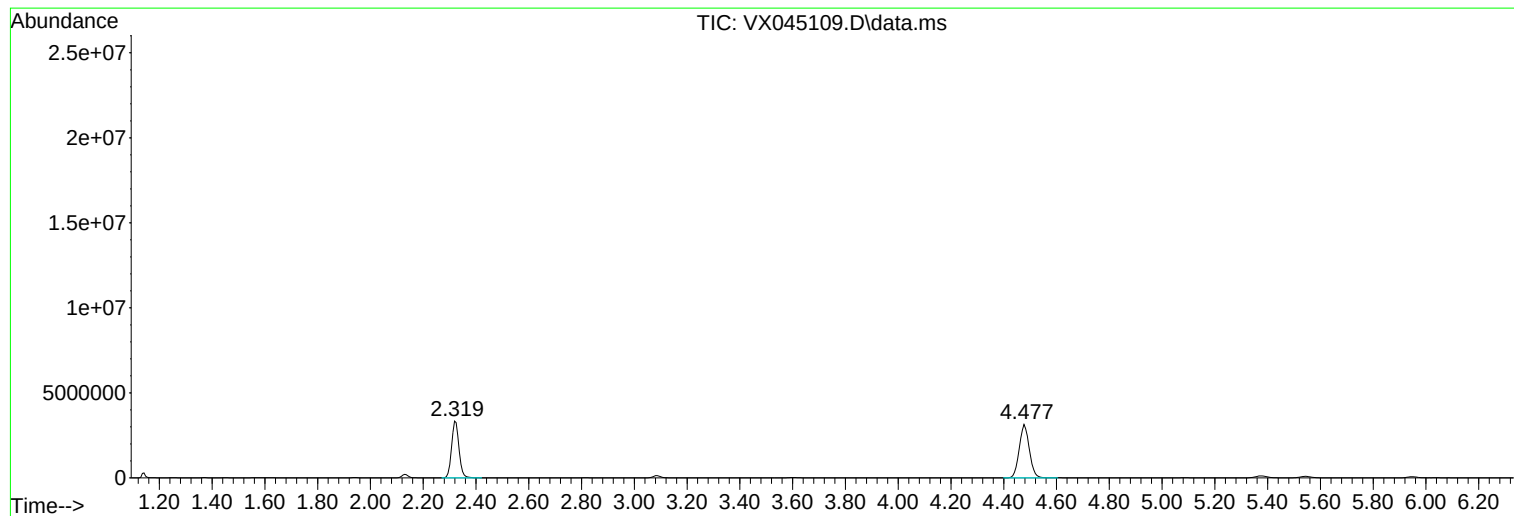
Sum of corrected areas: 114550617

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
Data File : VX045109.D
Acq On : 03 Mar 2025 13:46
Operator : JC/MD
Sample : Q1478-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-610-022825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
Data File : VX045109.D
Acq On : 03 Mar 2025 13:46
Operator : JC/MD
Sample : Q1478-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-610-022825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.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\VX030325\
Data File : VX045109.D
Acq On : 03 Mar 2025 13:46
Operator : JC/MD
Sample : Q1478-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-610-022825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-AQ-DRUM-610-022825DL	SDG No.:	Q1478
Lab Sample ID:	Q1478-02DL	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
VX045144.D	500		03/05/25 15:56	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	110	UD	110	500	ug/L
74-87-3	Chloromethane	180	UD	180	500	ug/L
75-01-4	Vinyl Chloride	170	UD	170	500	ug/L
74-83-9	Bromomethane	680	UD	680	2500	ug/L
75-00-3	Chloroethane	280	UD	280	500	ug/L
75-69-4	Trichlorofluoromethane	170	UD	170	500	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1400	D	130	500	ug/L
75-35-4	1,1-Dichloroethene	130	UD	130	500	ug/L
67-64-1	Acetone	700	UD	700	2500	ug/L
75-15-0	Carbon Disulfide	160	UD	160	500	ug/L
1634-04-4	Methyl tert-butyl Ether	80.0	UD	80.0	500	ug/L
79-20-9	Methyl Acetate	300	UD	300	500	ug/L
75-09-2	Methylene Chloride	160	UD	160	500	ug/L
156-60-5	trans-1,2-Dichloroethene	130	UD	130	500	ug/L
75-34-3	1,1-Dichloroethane	120	UD	120	500	ug/L
110-82-7	Cyclohexane	810	UD	810	2500	ug/L
78-93-3	2-Butanone	650	UD	650	2500	ug/L
56-23-5	Carbon Tetrachloride	130	UD	130	500	ug/L
156-59-2	cis-1,2-Dichloroethene	1600	D	130	500	ug/L
74-97-5	Bromochloromethane	90.0	UD	90.0	500	ug/L
67-66-3	Chloroform	130	UD	130	500	ug/L
71-55-6	1,1,1-Trichloroethane	95.0	UD	95.0	500	ug/L
108-87-2	Methylcyclohexane	95.0	UD	95.0	500	ug/L
71-43-2	Benzene	80.0	UD	80.0	500	ug/L
107-06-2	1,2-Dichloroethane	120	UD	120	500	ug/L
79-01-6	Trichloroethene	20600	D	160	500	ug/L
78-87-5	1,2-Dichloropropane	95.0	UD	95.0	500	ug/L
75-27-4	Bromodichloromethane	120	UD	120	500	ug/L
108-10-1	4-Methyl-2-Pentanone	380	UD	380	2500	ug/L
108-88-3	Toluene	90.0	UD	90.0	500	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-AQ-DRUM-610-022825DL	SDG No.:	Q1478
Lab Sample ID:	Q1478-02DL	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
VX045144.D	500		03/05/25 15:56	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	110	UD	110	500	ug/L
10061-01-5	cis-1,3-Dichloropropene	90.0	UD	90.0	500	ug/L
79-00-5	1,1,2-Trichloroethane	110	UD	110	500	ug/L
591-78-6	2-Hexanone	570	UD	570	2500	ug/L
124-48-1	Dibromochloromethane	90.0	UD	90.0	500	ug/L
106-93-4	1,2-Dibromoethane	80.0	UD	80.0	500	ug/L
127-18-4	Tetrachloroethene	840	D	130	500	ug/L
108-90-7	Chlorobenzene	65.0	UD	65.0	500	ug/L
100-41-4	Ethyl Benzene	80.0	UD	80.0	500	ug/L
179601-23-1	m/p-Xylenes	160	UD	160	1000	ug/L
95-47-6	o-Xylene	70.0	UD	70.0	500	ug/L
100-42-5	Styrene	80.0	UD	80.0	500	ug/L
75-25-2	Bromoform	110	UD	110	500	ug/L
98-82-8	Isopropylbenzene	65.0	UD	65.0	500	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	140	UD	140	500	ug/L
541-73-1	1,3-Dichlorobenzene	120	UD	120	500	ug/L
106-46-7	1,4-Dichlorobenzene	140	UD	140	500	ug/L
95-50-1	1,2-Dichlorobenzene	95.0	UD	95.0	500	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	230	UD	230	500	ug/L
120-82-1	1,2,4-Trichlorobenzene	210	UD	210	500	ug/L
87-61-6	1,2,3-Trichlorobenzene	260	UD	260	500	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.8		70 (74) - 130 (125)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	51.4		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.4		70 (77) - 130 (121)	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	75700	5.544			
540-36-3	1,4-Difluorobenzene	153000	6.757			
3114-55-4	Chlorobenzene-d5	142000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	60900	12.018			

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-AQ-DRUM-610-022825DL	SDG No.:	Q1478
Lab Sample ID:	Q1478-02DL	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
VX045144.D	500		03/05/25 15:56	VX030525

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\VX030525\
 Data File : VX045144.D
 Acq On : 05 Mar 2025 15:56
 Operator : JC/MD
 Sample : Q1478-02DL 500X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-AQ-DRUM-610-022825DL

Quant Time: Mar 06 01:08:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

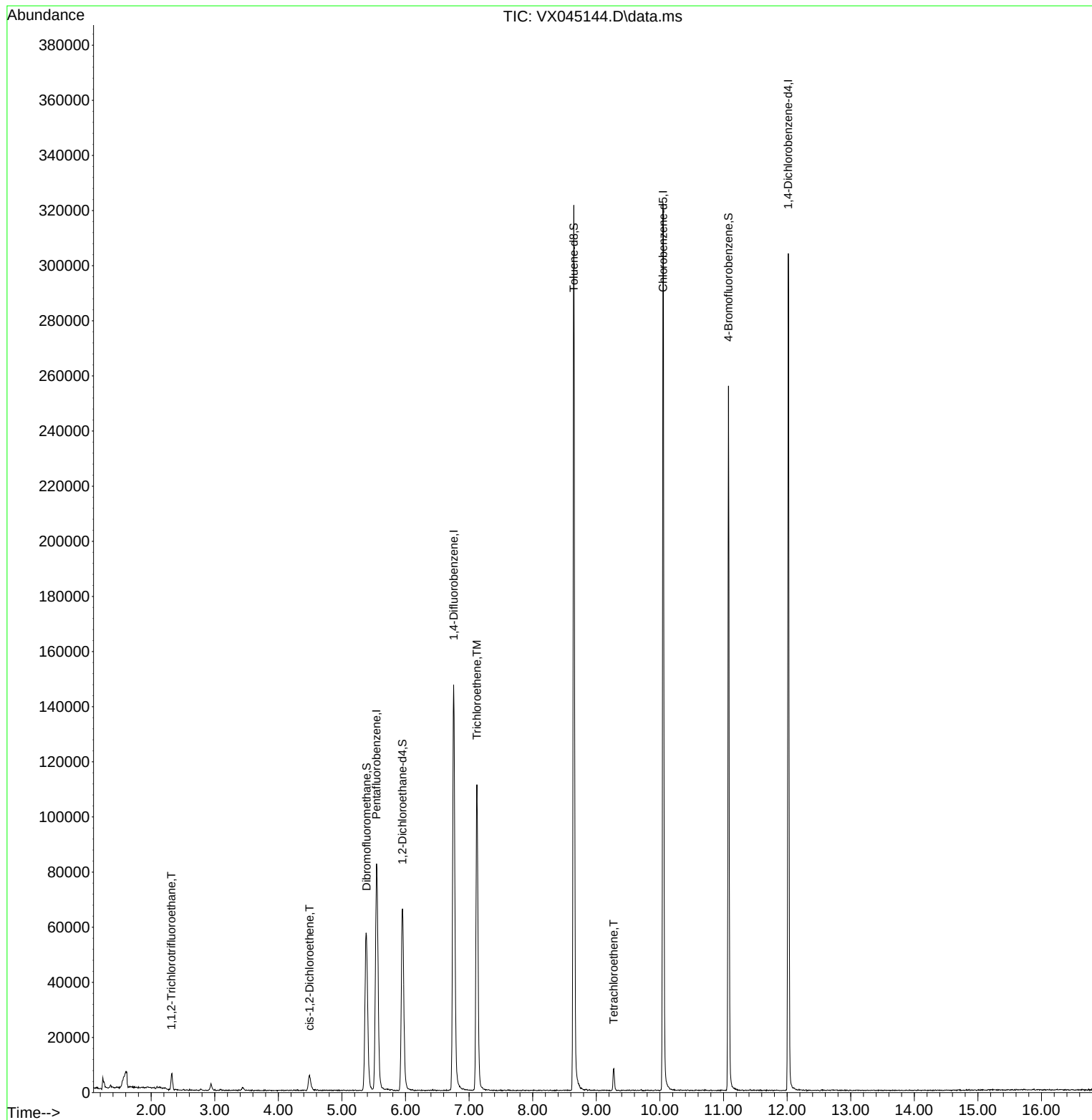
Internal Standards						
1) Pentafluorobenzene	5.544	168	75743	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152545	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	141767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63624	52.809	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.620%			
35) Dibromofluoromethane	5.385	113	51333	50.325	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.660%			
50) Toluene-d8	8.647	98	190200	51.434	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.860%			
62) 4-Bromofluorobenzene	11.079	95	65376	53.351	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.700%			
Target Compounds						
9) 1,1,2-Trichlorotrifluo...	2.319	101	2525	2.868	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	3568	3.143	ug/l	97
44) Trichloroethene	7.123	130	42767	41.232	ug/l	92
64) Tetrachloroethene	9.275	164	1527	1.682	ug/l #	79

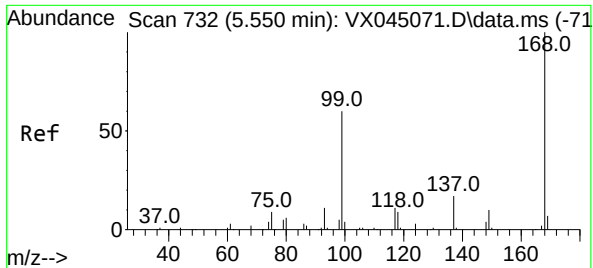
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045144.D
Acq On : 05 Mar 2025 15:56
Operator : JC/MD
Sample : Q1478-02DL 500X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-610-022825DL

Quant Time: Mar 06 01:08:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

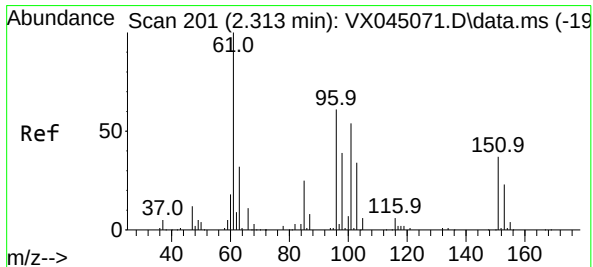
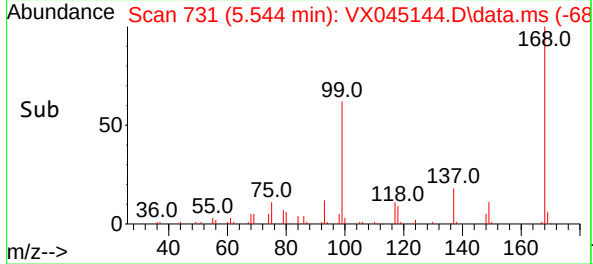
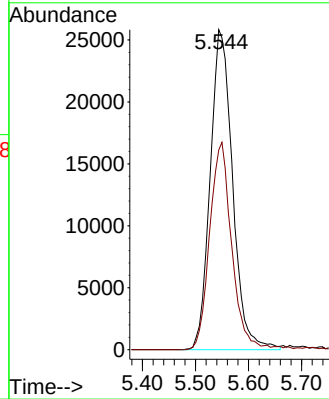
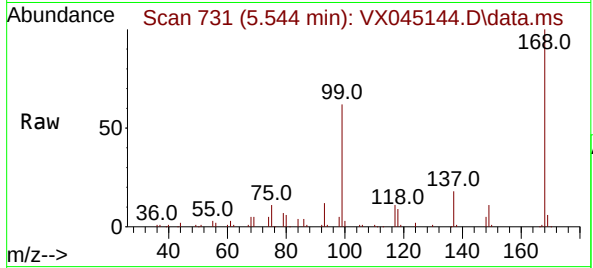




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045144.D
Acq: 05 Mar 2025 15:56

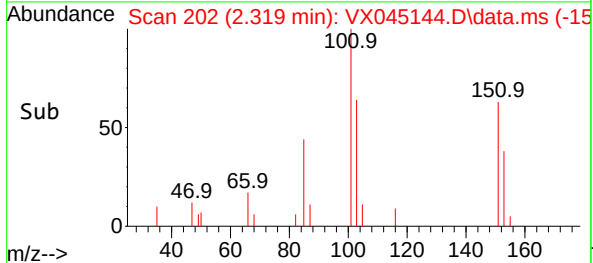
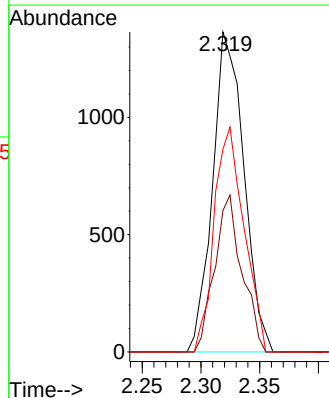
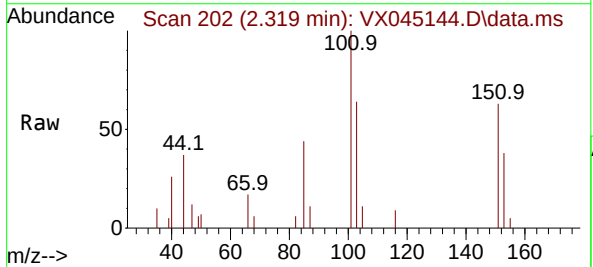
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-610-022825DL

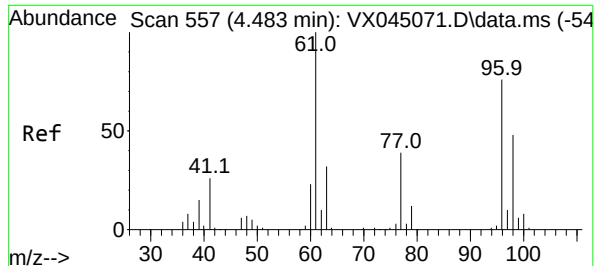
Tgt Ion:168 Resp: 75743
Ion Ratio Lower Upper
168 100
99 62.4 48.2 72.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.868 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045144.D
Acq: 05 Mar 2025 15:56

Tgt Ion:101 Resp: 2525
Ion Ratio Lower Upper
101 100
85 42.9 36.2 54.4
151 67.1 56.4 84.6





#27

cis-1,2-Dichloroethene

Concen: 3.143 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX045144.D

Acq: 05 Mar 2025 15:56

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-610-022825DL

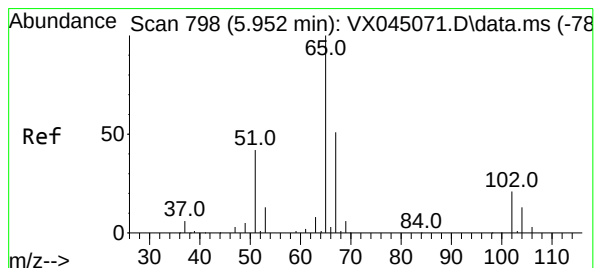
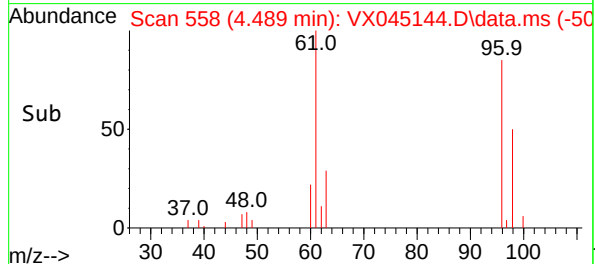
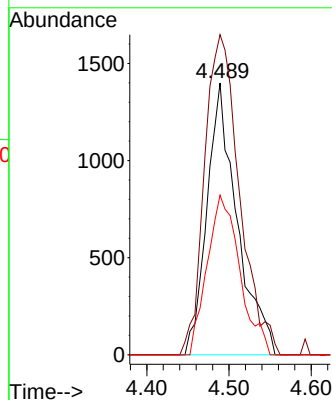
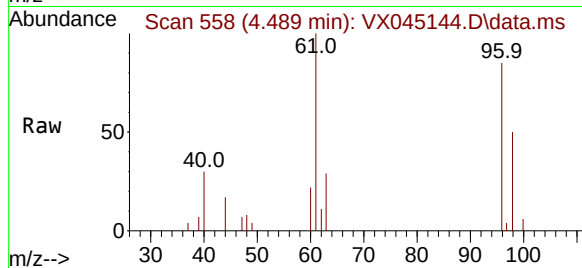
Tgt Ion: 96 Resp: 3568

Ion Ratio Lower Upper

96 100

61 136.5 0.0 283.2

98 63.5 0.0 128.0



#33

1,2-Dichloroethane-d4

Concen: 52.809 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045144.D

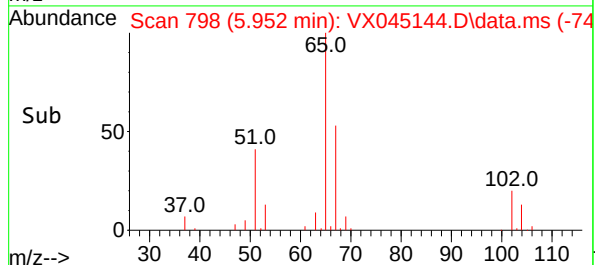
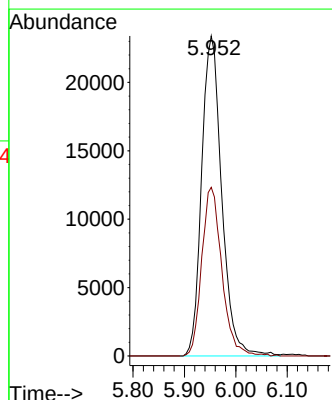
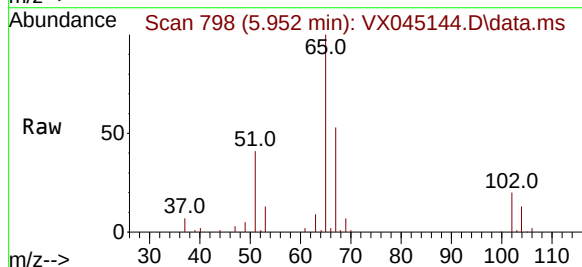
Acq: 05 Mar 2025 15:56

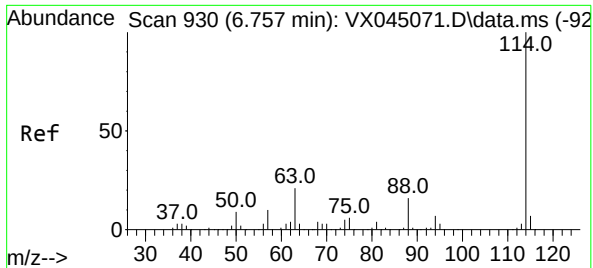
Tgt Ion: 65 Resp: 63624

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX045144.D

Acq: 05 Mar 2025 15:56

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-610-022825DL

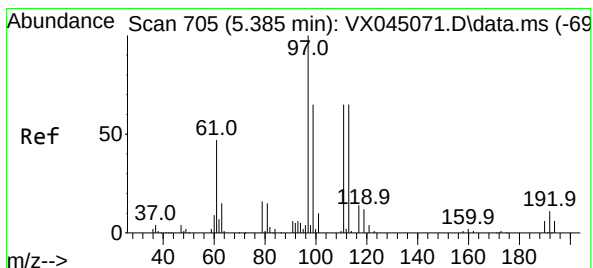
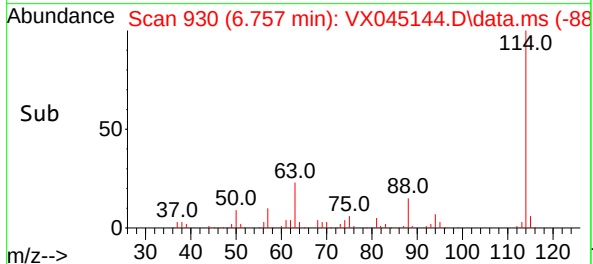
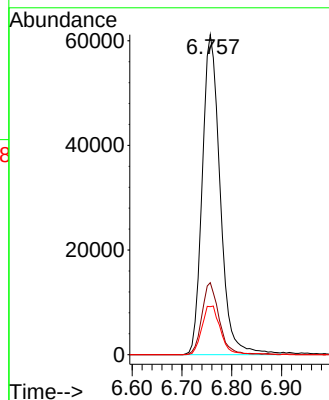
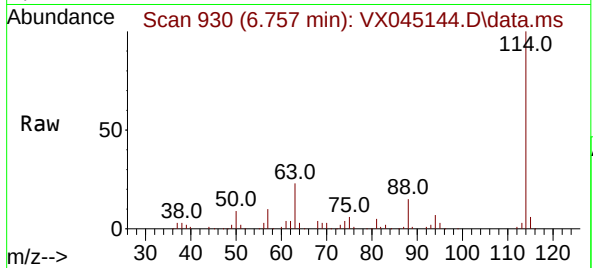
Tgt Ion:114 Resp: 152545

Ion Ratio Lower Upper

114 100

63 22.5 0.0 41.8

88 15.0 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.325 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX045144.D

Acq: 05 Mar 2025 15:56

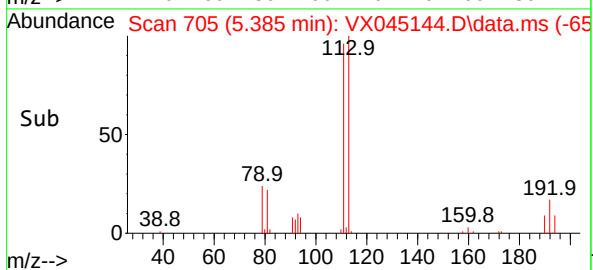
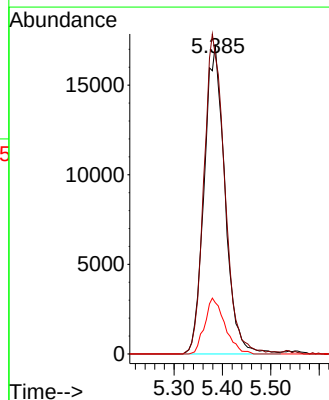
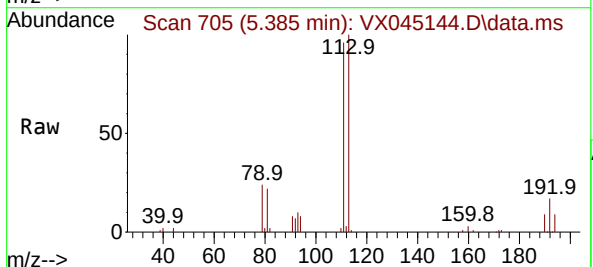
Tgt Ion:113 Resp: 51333

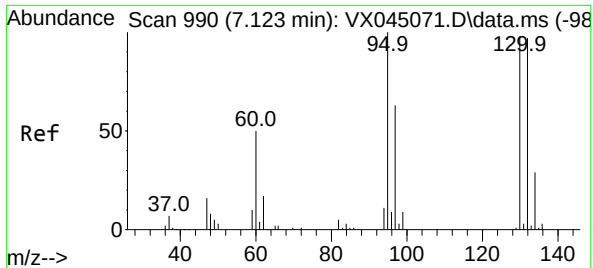
Ion Ratio Lower Upper

113 100

111 103.7 81.8 122.6

192 17.6 14.3 21.5

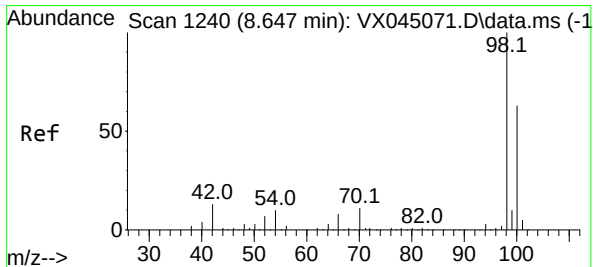
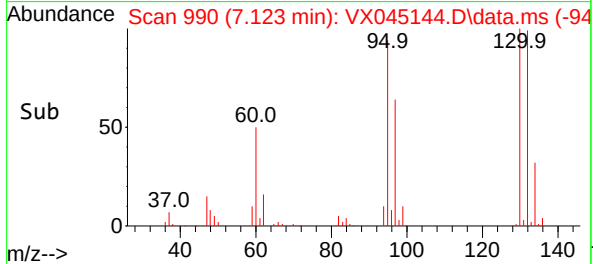
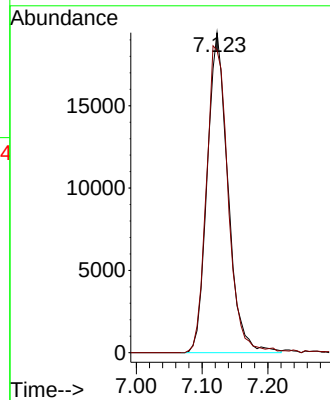
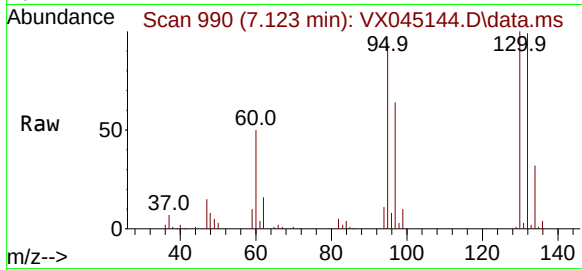




#44
Trichloroethene
Concen: 41.232 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045144.D
Acq: 05 Mar 2025 15:56

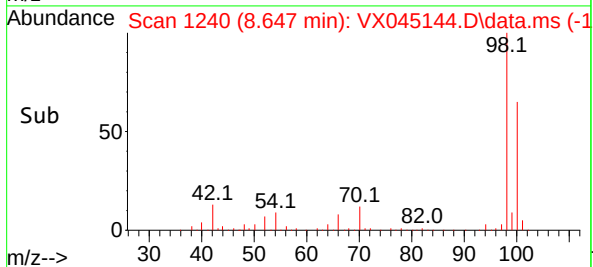
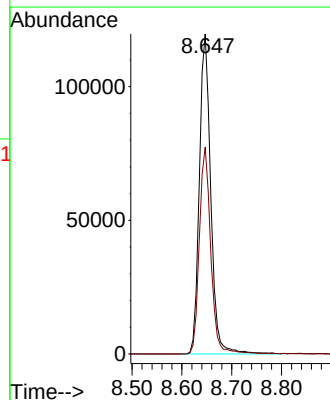
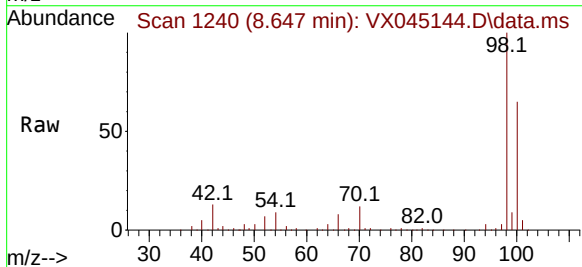
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-610-022825DL

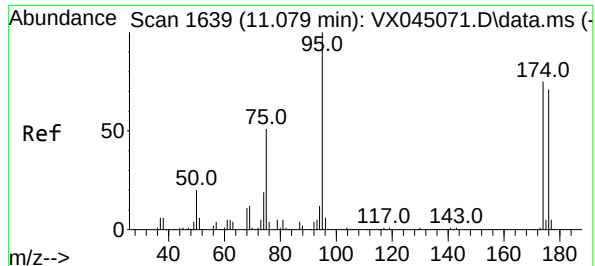
Tgt Ion:130 Resp: 42767
Ion Ratio Lower Upper
130 100
95 94.5 0.0 205.0



#50
Toluene-d8
Concen: 51.434 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045144.D
Acq: 05 Mar 2025 15:56

Tgt Ion: 98 Resp: 190200
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 53.351 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045144.D

Acq: 05 Mar 2025 15:56

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-610-022825DL

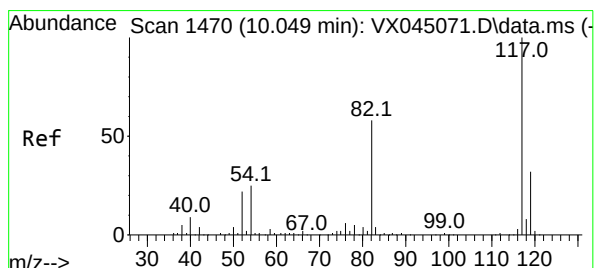
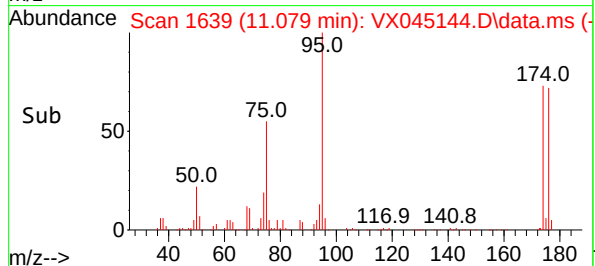
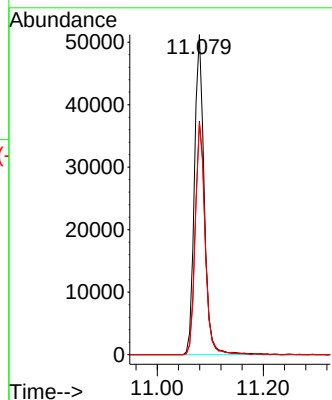
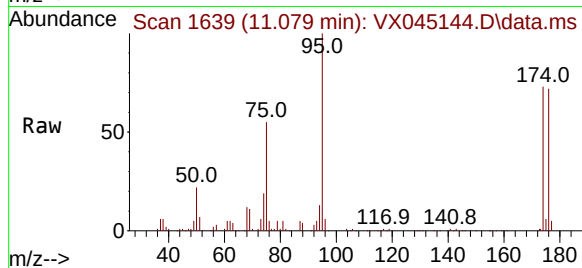
Tgt Ion: 95 Resp: 65376

Ion Ratio Lower Upper

95 100

174 73.9 0.0 148.2

176 72.3 0.0 141.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX045144.D

Acq: 05 Mar 2025 15:56

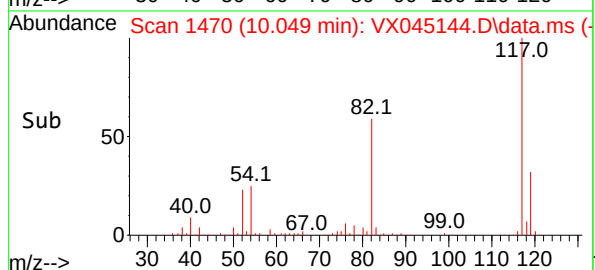
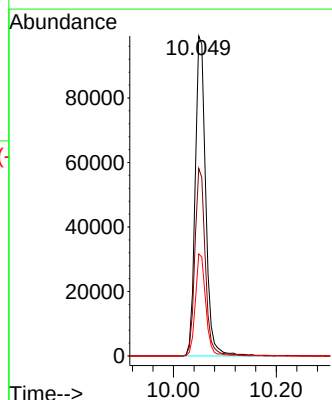
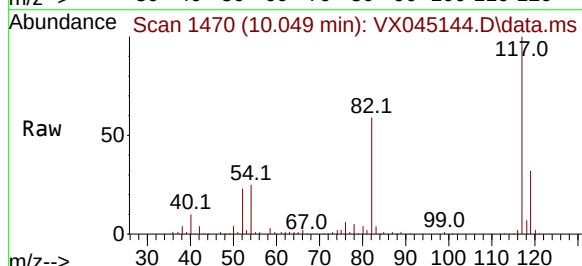
Tgt Ion: 117 Resp: 141767

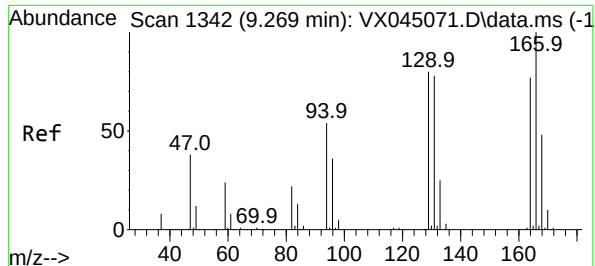
Ion Ratio Lower Upper

117 100

82 58.6 46.3 69.5

119 31.9 25.7 38.5





#64

Tetrachloroethene

Concen: 1.682 ug/l

RT: 9.275 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX045144.D

Acq: 05 Mar 2025 15:56

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-610-022825DL

Tgt Ion:164 Resp: 1527

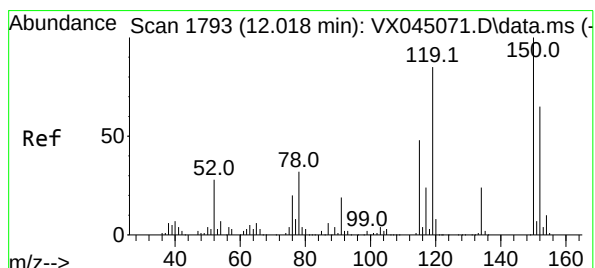
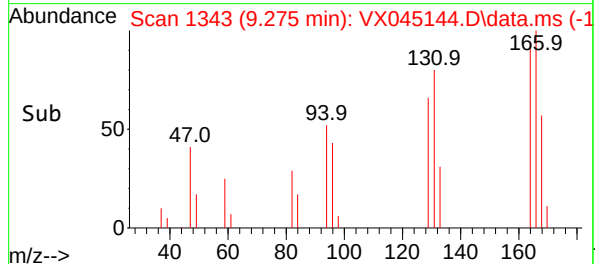
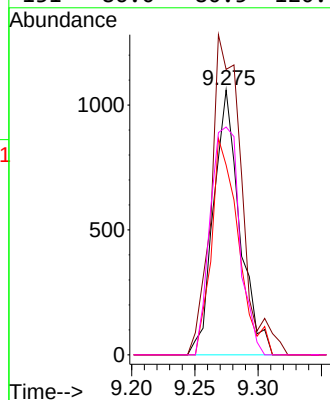
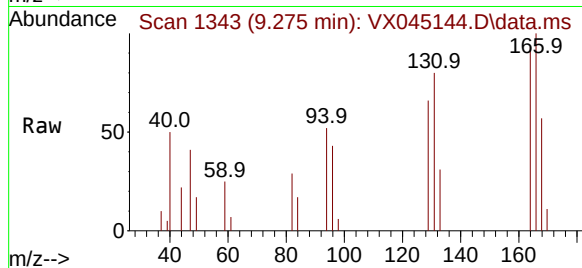
Ion Ratio Lower Upper

164 100

166 107.8 103.6 155.4

129 71.7 82.7 124.1#

131 86.0 80.5 120.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX045144.D

Acq: 05 Mar 2025 15:56

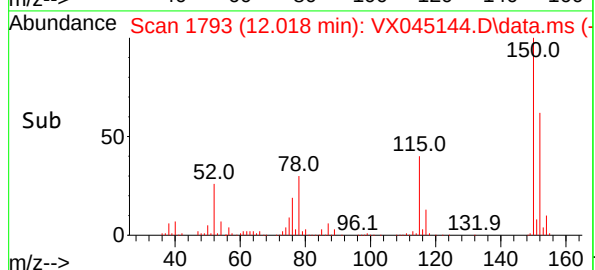
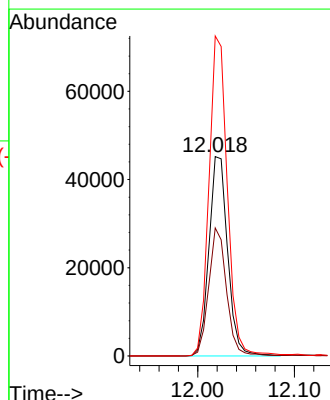
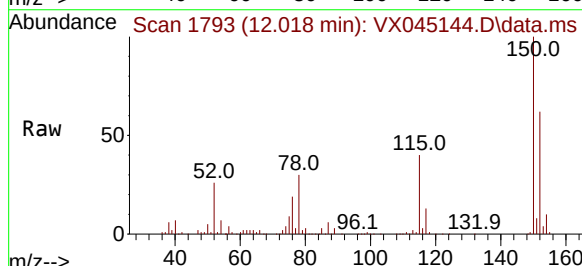
Tgt Ion:152 Resp: 60887

Ion Ratio Lower Upper

152 100

115 61.2 44.2 132.6

150 157.7 0.0 349.0



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-AQ-DRUM-616-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-04	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
VX045110.D	1		03/03/25 14:09	VX030325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	22.2		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.30		0.26	1.00	ug/L
67-64-1	Acetone	100		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.60		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.80		0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	22.6		0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.66	J	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	170	E	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	1.50		0.18	1.00	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-AQ-DRUM-616-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-04	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
VX045110.D	1		03/03/25 14:09	VX030325

[illegible]

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-AQ-DRUM-616-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-04	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
VX045110.D	1		03/03/25 14:09	VX030325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000079-38-9	Ethene, chlorotrifluoro-	6.50	J		1.14	ug/L
109-99-9	Tetrahydrofuran	100	J		5.00	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
 Data File : VX045110.D
 Acq On : 03 Mar 2025 14:09
 Operator : JC/MD
 Sample : Q1478-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-AQ-DRUM-616-022825

Quant Time: Mar 04 05:23:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

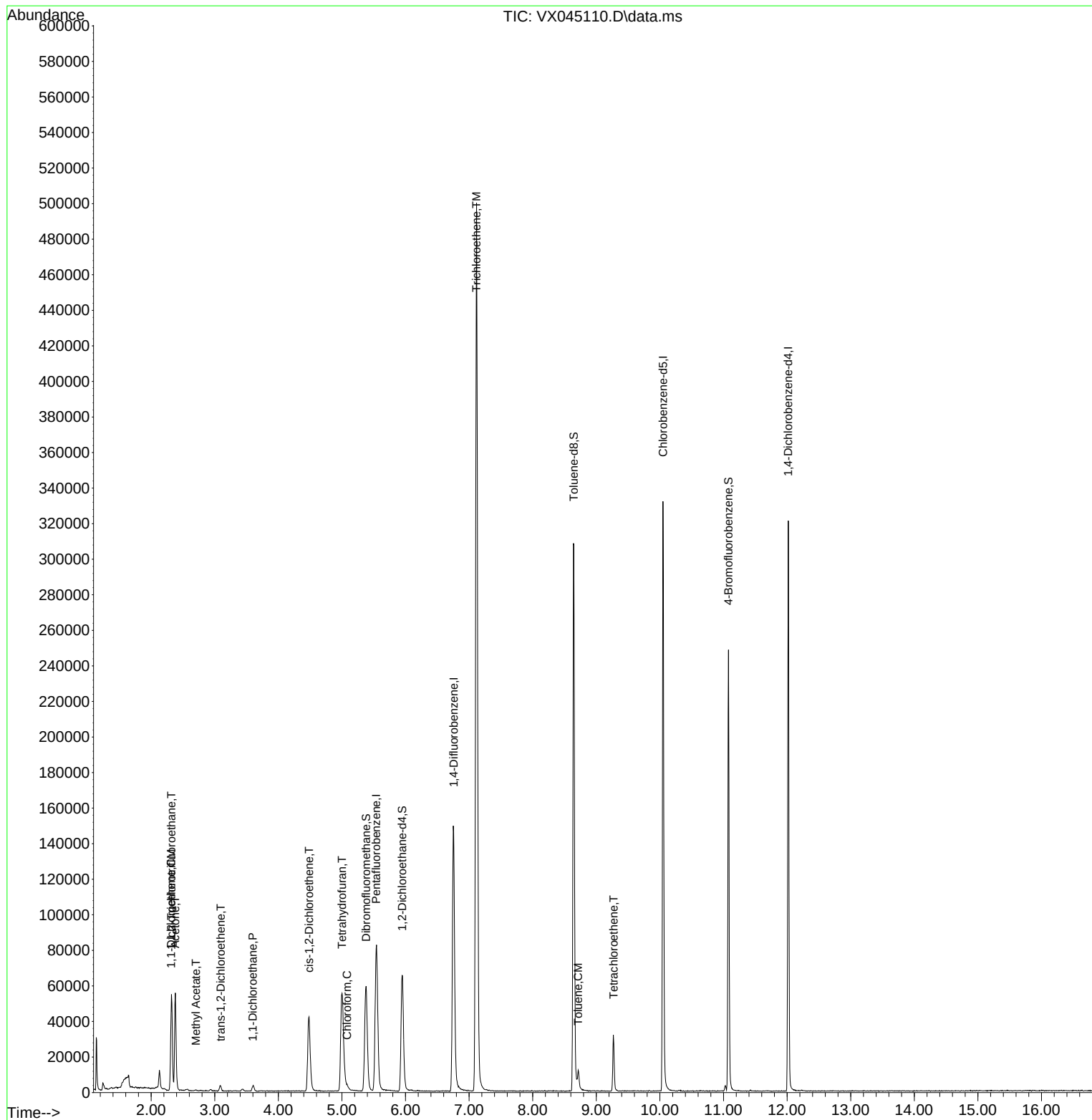
Internal Standards						
1) Pentafluorobenzene	5.537	168	77986	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.757	114	153844	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	143555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	62957	50.752	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.500%	
35) Dibromofluoromethane	5.379	113	52933	51.455	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.920%	
50) Toluene-d8	8.647	98	195171	52.332	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.660%	
62) 4-Bromofluorobenzene	11.079	95	67039	54.246	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.500%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.319	101	20109	22.186	ug/l	98
12) 1,1-Dichloroethene	2.312	96	1235	1.289	ug/l #	74
16) Acetone	2.380	43	59672	103.679	ug/l	100
18) Methyl Acetate	2.703	43	798	0.576	ug/l #	83
21) trans-1,2-Dichloroethene	3.093	96	1486	1.570	ug/l #	75
24) 1,1-Dichloroethane	3.599	63	3500	1.800	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	26409	22.597	ug/l	92
29) Tetrahydrofuran	5.001	42	59391	102.083	ug/l	97
30) Chloroform	5.080	83	1268	0.656	ug/l	88
44) Trichloroethene	7.117	130	181471	173.481	ug/l	99
52) Toluene	8.714	92	3847	1.472	ug/l	98
64) Tetrachloroethene	9.275	164	5940	6.461	ug/l	87

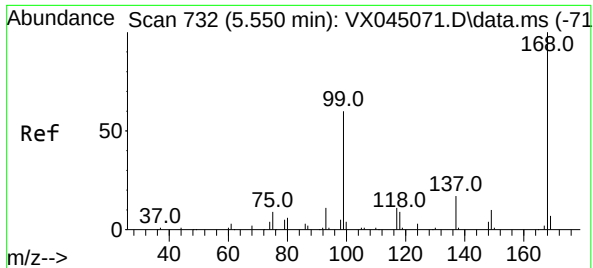
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
Data File : VX045110.D
Acq On : 03 Mar 2025 14:09
Operator : JC/MD
Sample : Q1478-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-616-022825

Quant Time: Mar 04 05:23:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

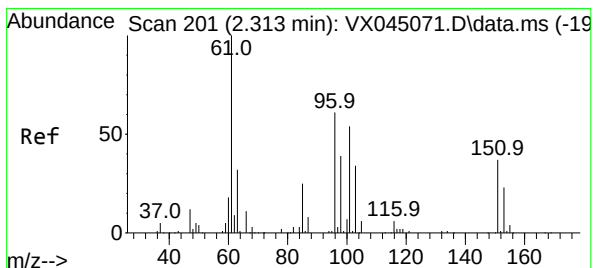
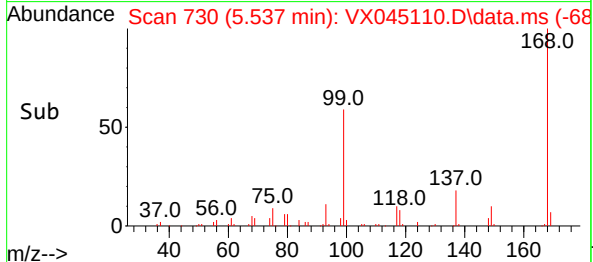
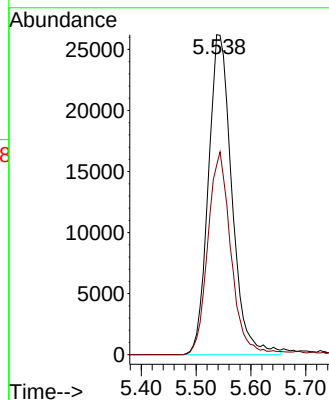
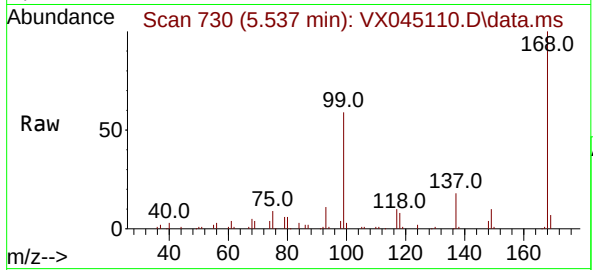




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.013 min
Lab File: VX045110.D
Acq: 03 Mar 2025 14:09

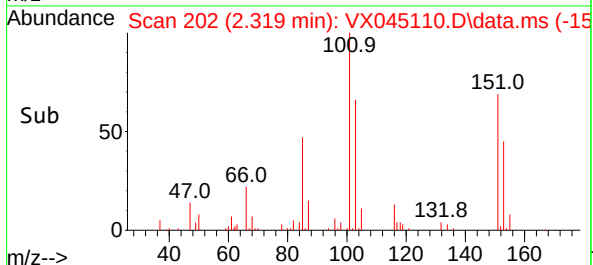
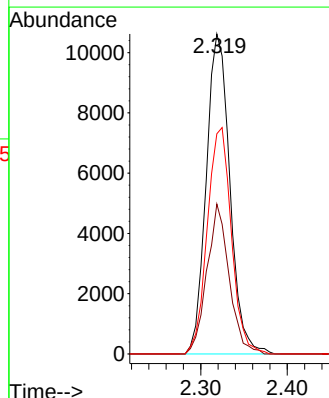
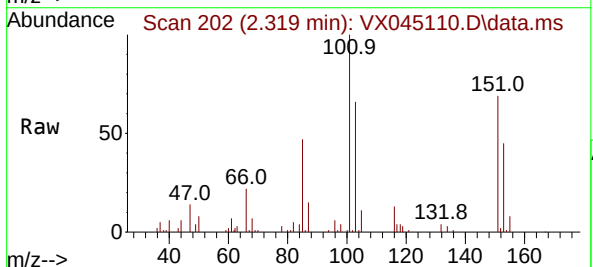
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-616-022825

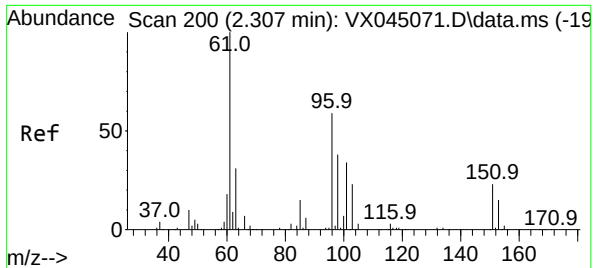
Tgt Ion:168 Resp: 77986
Ion Ratio Lower Upper
168 100
99 59.2 48.2 72.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.186 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045110.D
Acq: 03 Mar 2025 14:09

Tgt Ion:101 Resp: 20109
Ion Ratio Lower Upper
101 100
85 44.2 36.2 54.4
151 72.2 56.4 84.6





#12

1,1-Dichloroethene

Concen: 1.289 ug/l

RT: 2.312 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX045110.D

Acq: 03 Mar 2025 14:09

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-616-022825

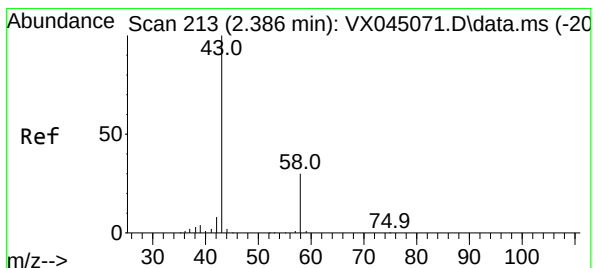
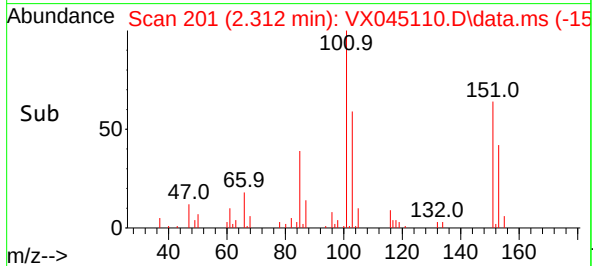
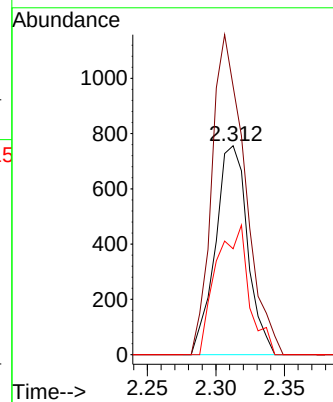
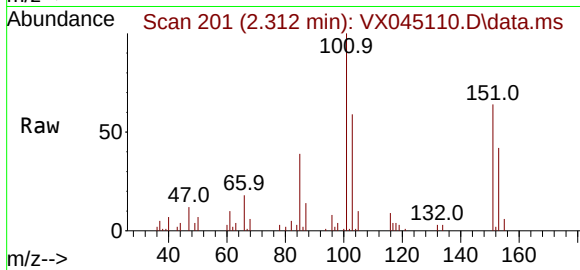
Tgt Ion: 96 Resp: 1235

Ion Ratio Lower Upper

96 100

61 128.4 134.6 202.0#

98 50.7 51.0 76.6#



#16

Acetone

Concen: 103.679 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX045110.D

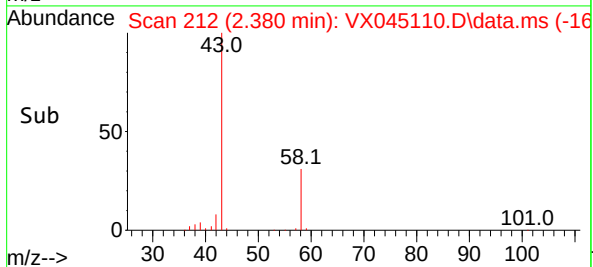
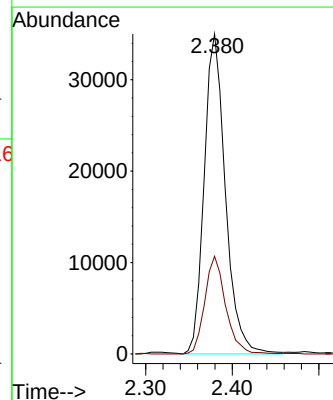
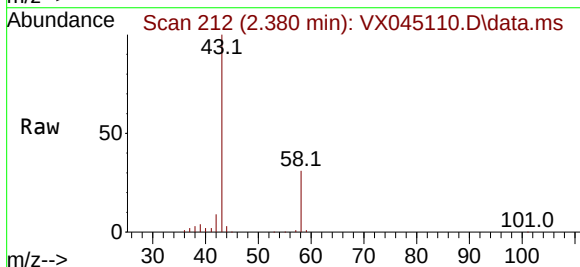
Acq: 03 Mar 2025 14:09

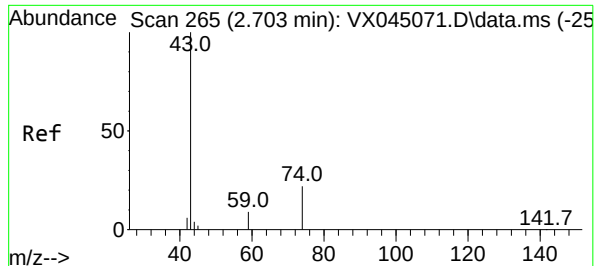
Tgt Ion: 43 Resp: 59672

Ion Ratio Lower Upper

43 100

58 30.5 24.2 36.4





#18

Methyl Acetate

Concen: 0.576 ug/l

RT: 2.703 min Scan# 2

Delta R.T. -0.000 min

Lab File: VX045110.D

Acq: 03 Mar 2025 14:09

Instrument :

MSVOA_X

ClientSampleId :

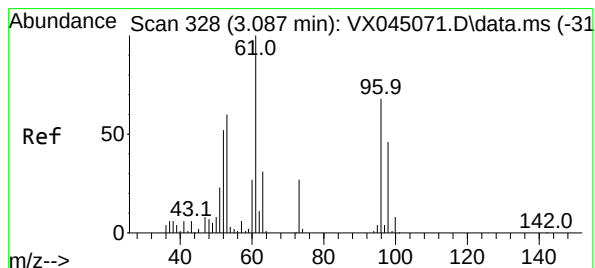
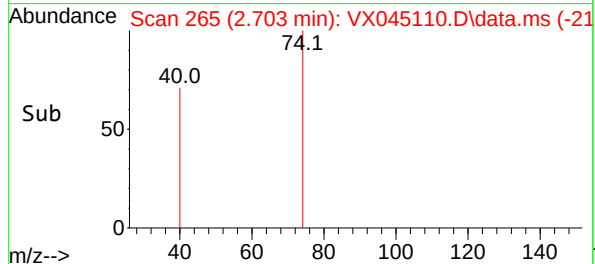
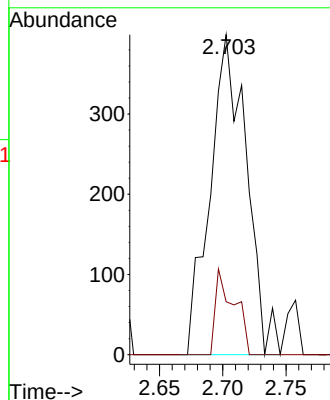
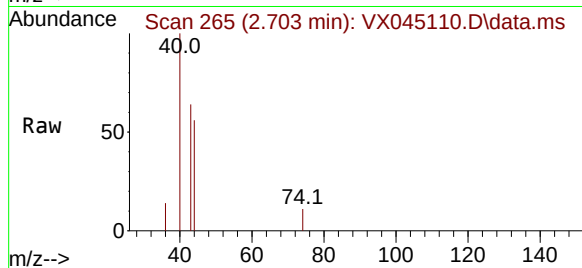
IDW-AQ-DRUM-616-022825

Tgt Ion: 43 Resp: 798

Ion Ratio Lower Upper

43 100

74 13.8 17.4 26.2#



#21

trans-1,2-Dichloroethene

Concen: 1.570 ug/l

RT: 3.093 min Scan# 329

Delta R.T. 0.006 min

Lab File: VX045110.D

Acq: 03 Mar 2025 14:09

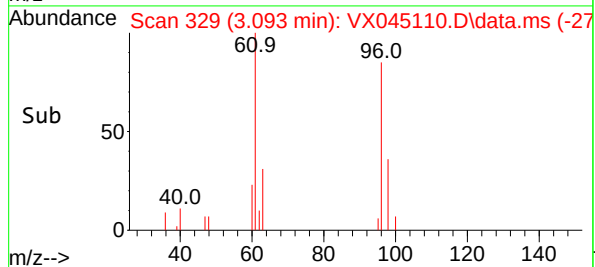
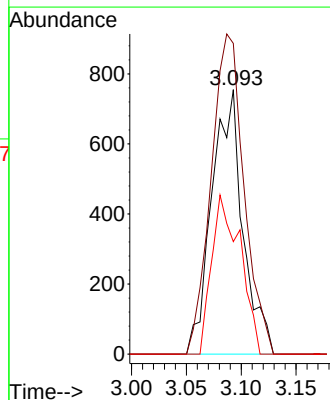
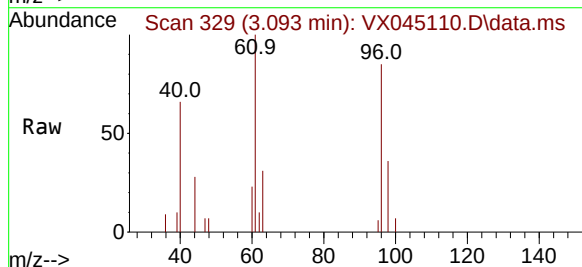
Tgt Ion: 96 Resp: 1486

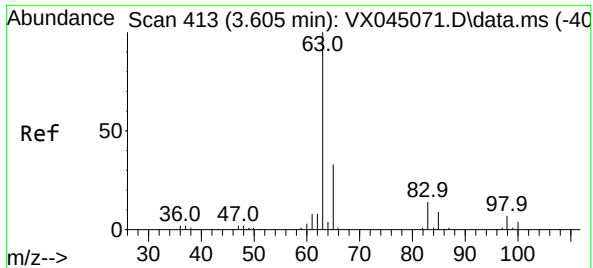
Ion Ratio Lower Upper

96 100

61 117.5 117.0 175.4

98 42.5 53.4 80.2#

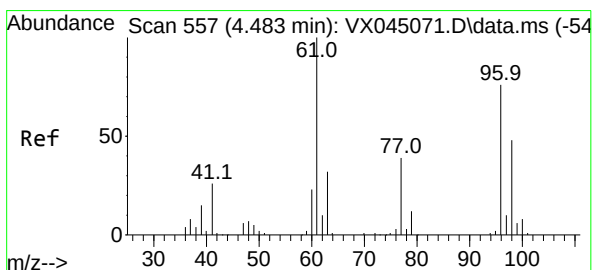
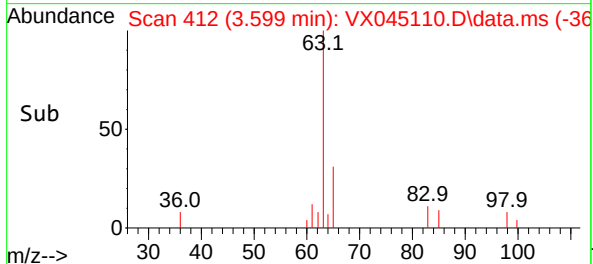
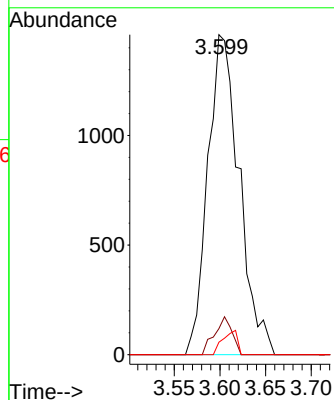
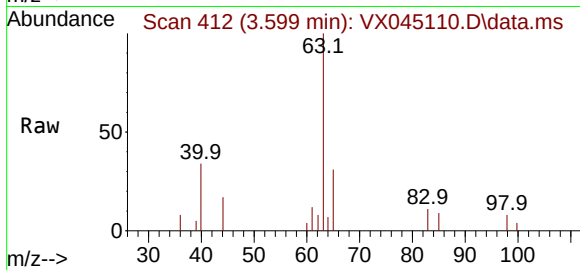




#24
1,1-Dichloroethane
Concen: 1.800 ug/l
RT: 3.599 min Scan# 41
Delta R.T. -0.006 min
Lab File: VX045110.D
Acq: 03 Mar 2025 14:09

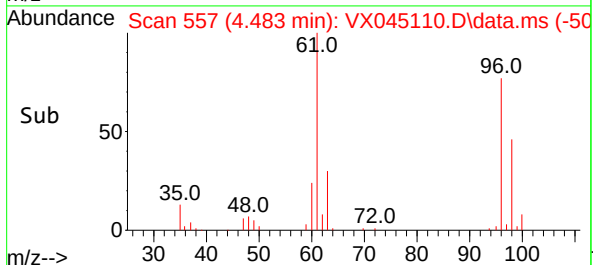
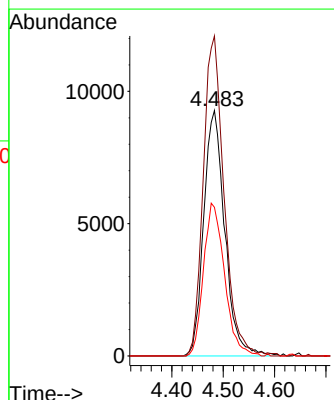
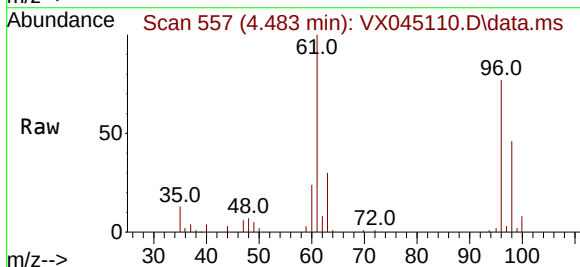
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-616-022825

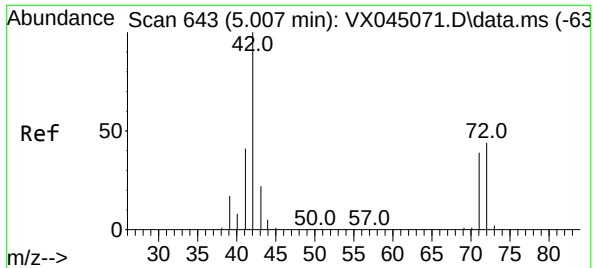
Tgt Ion: 63 Resp: 3500
Ion Ratio Lower Upper
63 100
98 8.2 3.4 10.2
100 3.9 2.1 6.5



#27
cis-1,2-Dichloroethene
Concen: 22.597 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.000 min
Lab File: VX045110.D
Acq: 03 Mar 2025 14:09

Tgt Ion: 96 Resp: 26409
Ion Ratio Lower Upper
96 100
61 128.8 0.0 283.2
98 62.1 0.0 128.0





#29

Tetrahydrofuran

Concen: 102.083 ug/l

RT: 5.001 min Scan# 643

Delta R.T. -0.006 min

Lab File: VX045110.D

Acq: 03 Mar 2025 14:09

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-616-022825

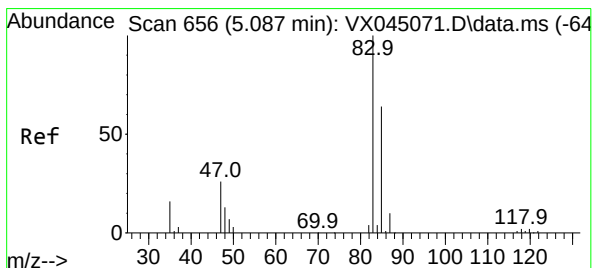
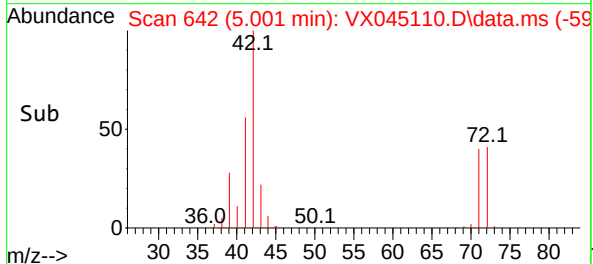
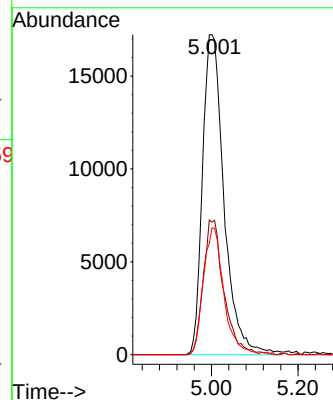
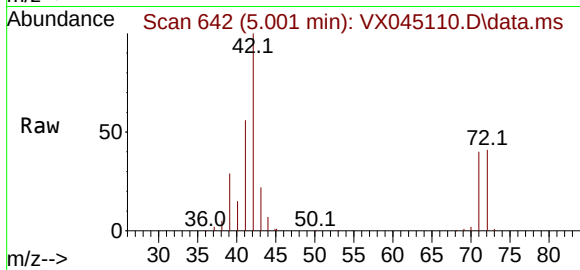
Tgt Ion: 42 Resp: 59391

Ion Ratio Lower Upper

42 100

72 40.4 34.1 51.1

71 37.5 31.4 47.0



#30

Chloroform

Concen: 0.656 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.006 min

Lab File: VX045110.D

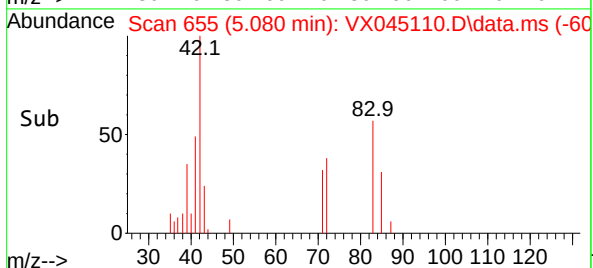
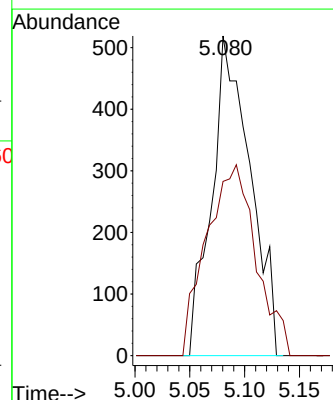
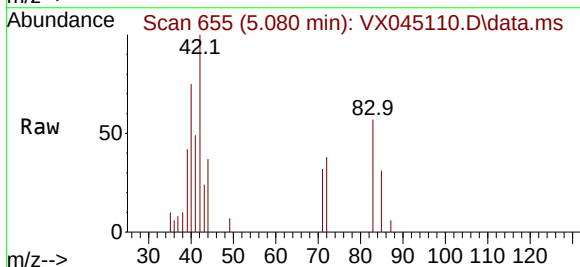
Acq: 03 Mar 2025 14:09

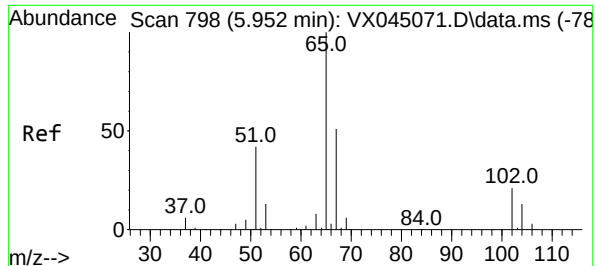
Tgt Ion: 83 Resp: 1268

Ion Ratio Lower Upper

83 100

85 54.5 51.4 77.2





#33

1,2-Dichloroethane-d4

Concen: 50.752 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX045110.D

Acq: 03 Mar 2025 14:09

Instrument :

MSVOA_X

ClientSampleId :

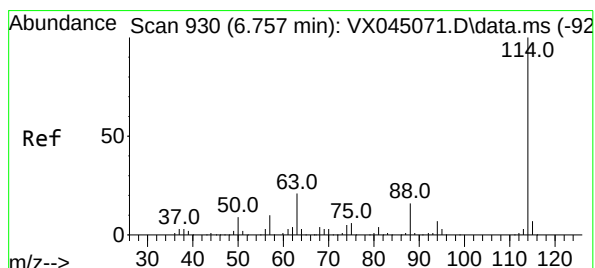
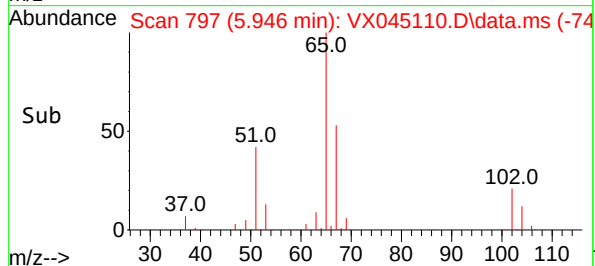
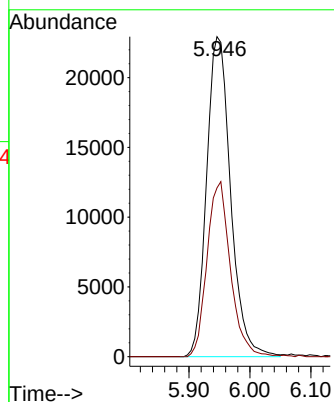
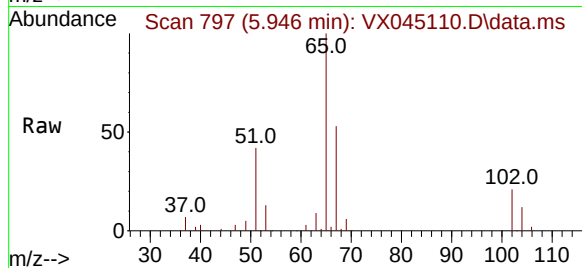
IDW-AQ-DRUM-616-022825

Tgt Ion: 65 Resp: 62957

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045110.D

Acq: 03 Mar 2025 14:09

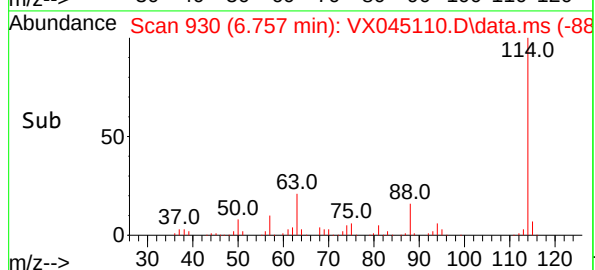
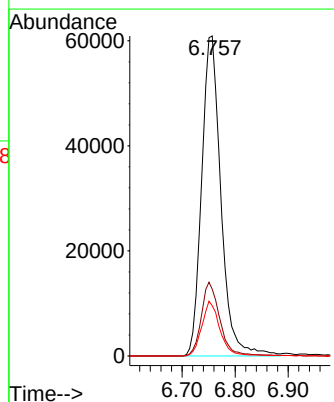
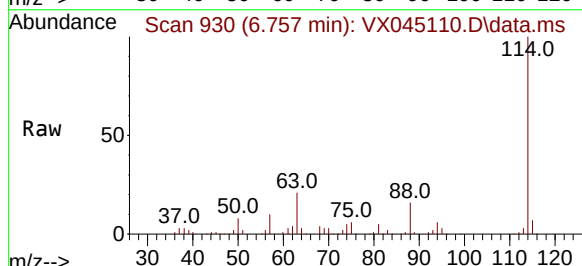
Tgt Ion: 114 Resp: 153844

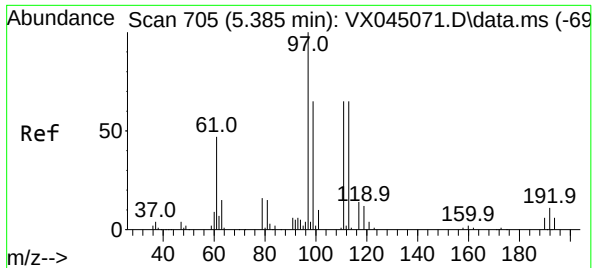
Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.8

88 15.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.455 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX045110.D

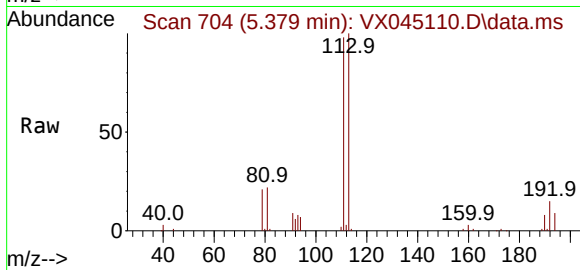
Acq: 03 Mar 2025 14:09

Instrument :

MSVOA_X

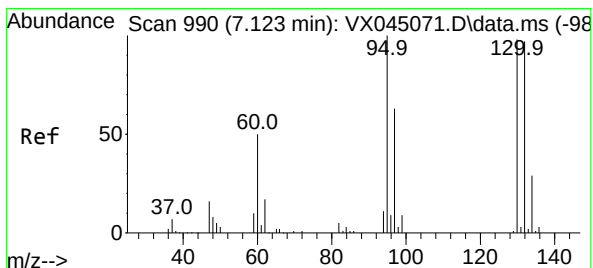
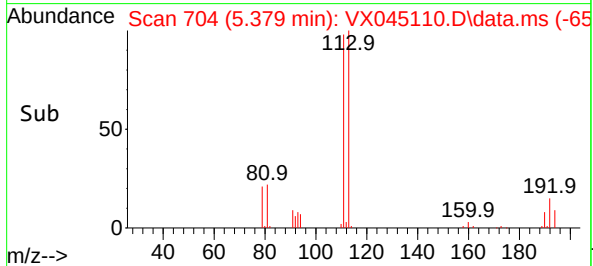
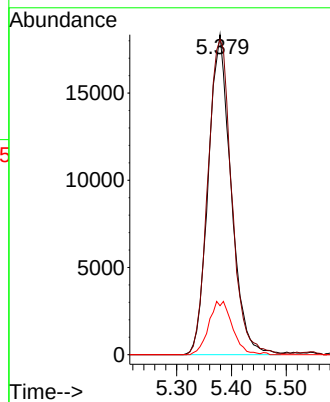
ClientSampleId :

IDW-AQ-DRUM-616-022825



Tgt Ion:113 Resp: 52933

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	17.2	14.3	21.5



#44

Trichloroethene

Concen: 173.481 ug/l

RT: 7.117 min Scan# 989

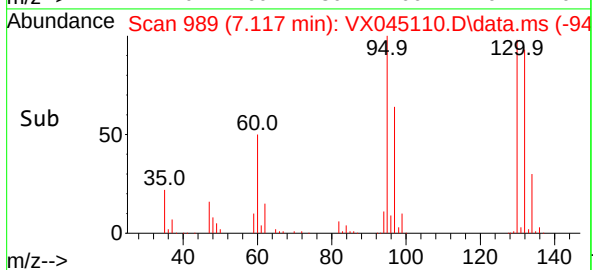
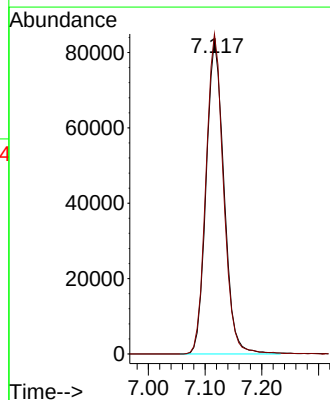
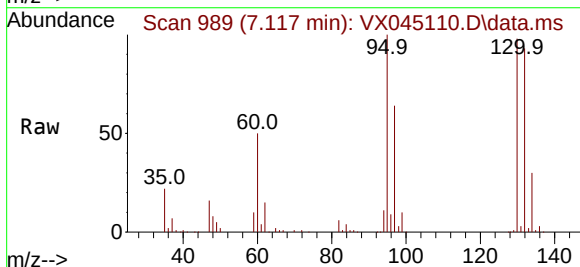
Delta R.T. -0.006 min

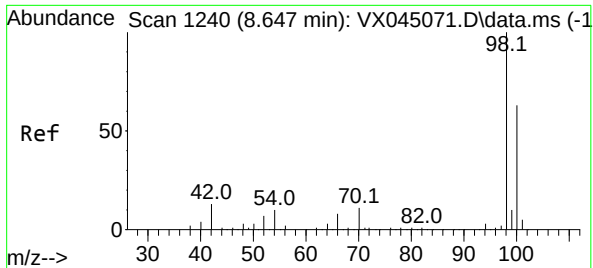
Lab File: VX045110.D

Acq: 03 Mar 2025 14:09

Tgt Ion:130 Resp: 181471

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	205.0

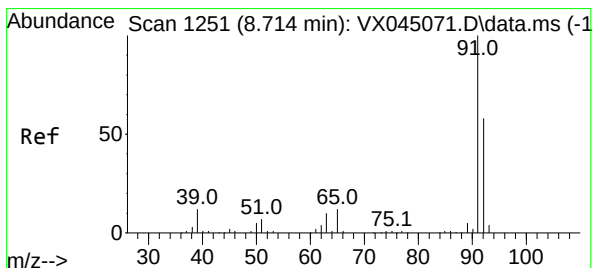
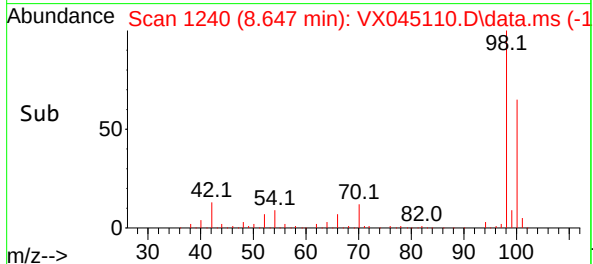
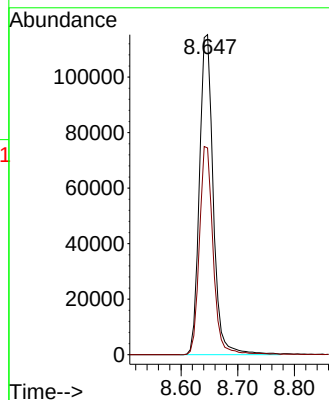
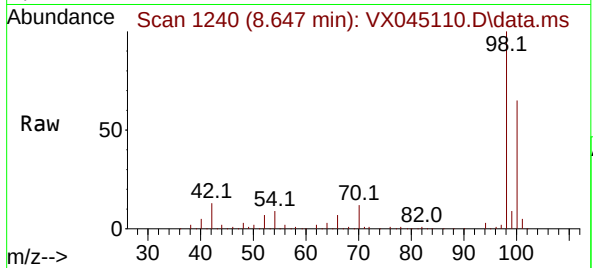




#50
Toluene-d8
Concen: 52.332 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045110.D
Acq: 03 Mar 2025 14:09

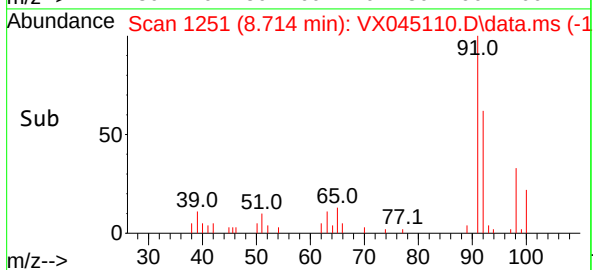
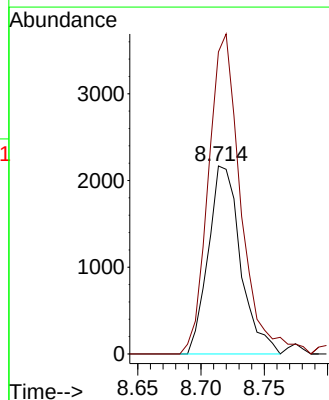
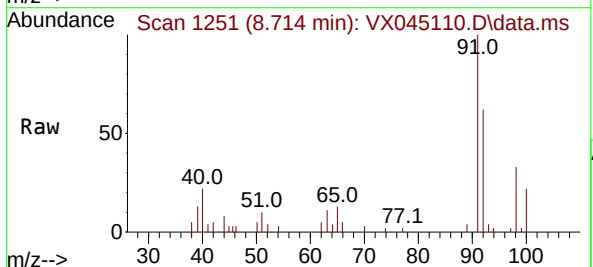
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-616-022825

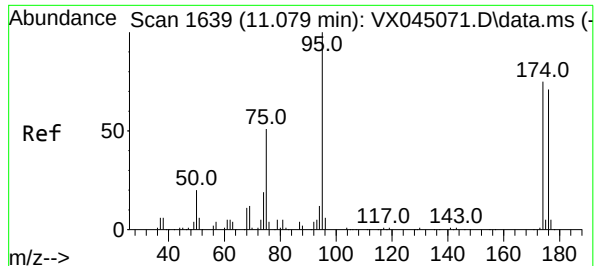
Tgt Ion: 98 Resp: 195171
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#52
Toluene
Concen: 1.472 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045110.D
Acq: 03 Mar 2025 14:09

Tgt Ion: 92 Resp: 3847
Ion Ratio Lower Upper
92 100
91 170.6 138.9 208.3





#62

4-Bromofluorobenzene

Concen: 54.246 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045110.D

Acq: 03 Mar 2025 14:09

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-616-022825

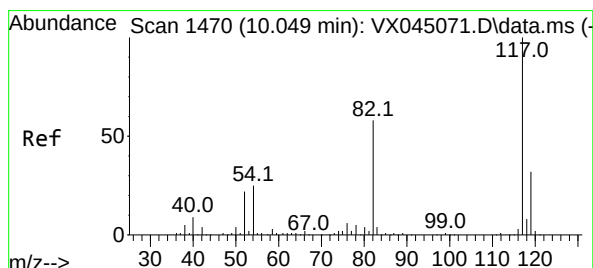
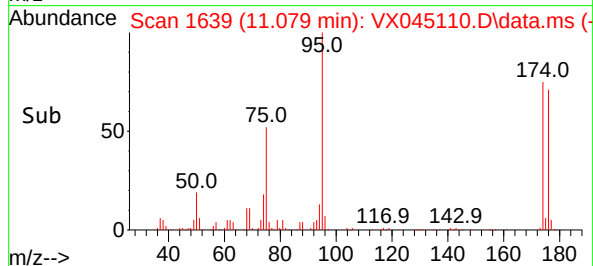
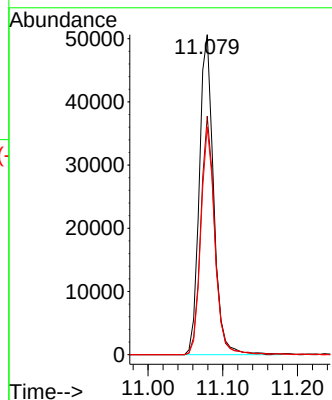
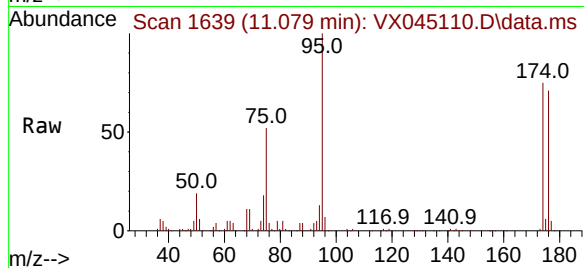
Tgt Ion: 95 Resp: 67039

Ion Ratio Lower Upper

95 100

174 72.9 0.0 148.2

176 70.1 0.0 141.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX045110.D

Acq: 03 Mar 2025 14:09

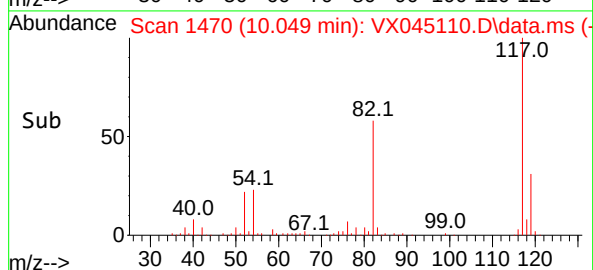
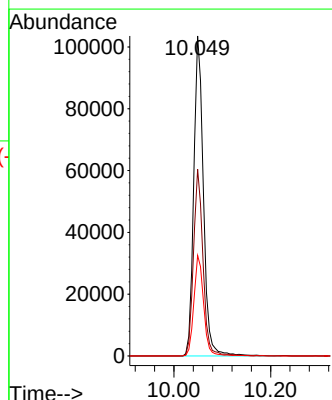
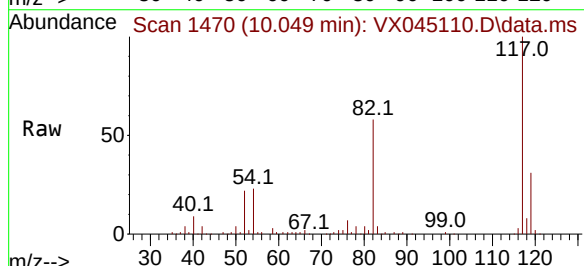
Tgt Ion: 117 Resp: 143555

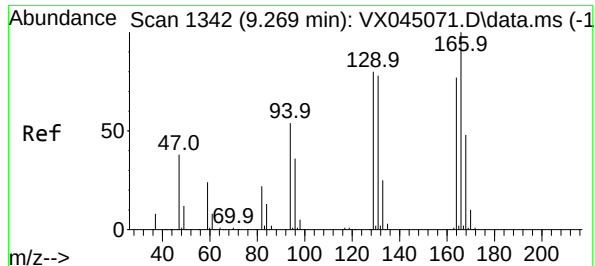
Ion Ratio Lower Upper

117 100

82 58.4 46.3 69.5

119 31.4 25.7 38.5



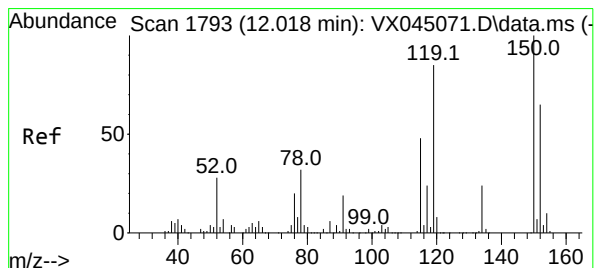
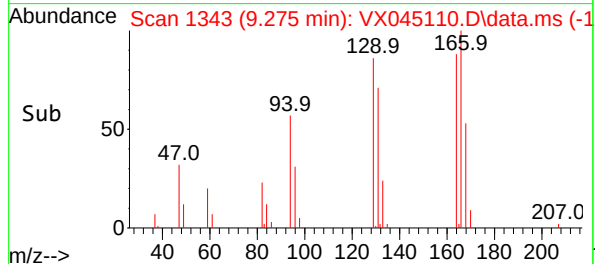
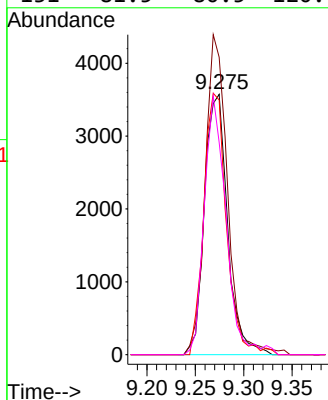
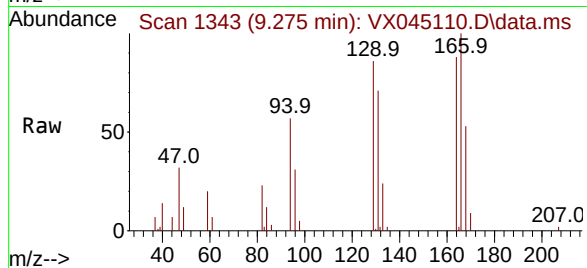


#64
Tetrachloroethene
Concen: 6.461 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045110.D
Acq: 03 Mar 2025 14:09

Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-616-022825

Tgt Ion:164 Resp: 5940

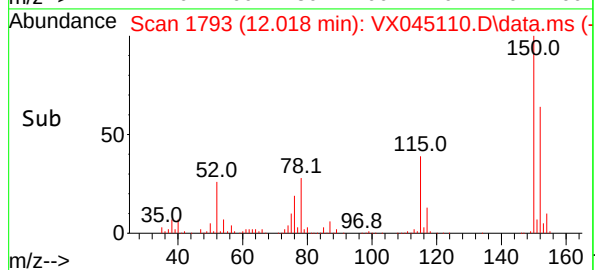
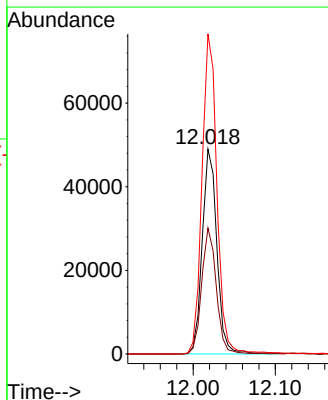
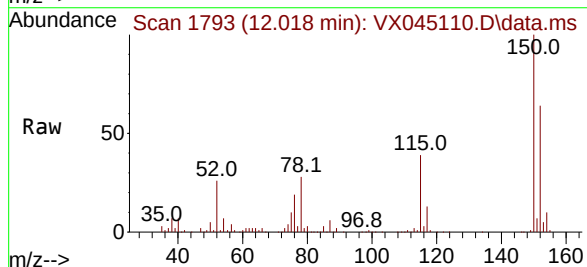
Ion	Ratio	Lower	Upper
164	100		
166	114.2	103.6	155.4
129	97.8	82.7	124.1
131	81.5	80.5	120.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045110.D
Acq: 03 Mar 2025 14:09

Tgt Ion:152 Resp: 60766

Ion	Ratio	Lower	Upper
152	100		
115	61.4	44.2	132.6
150	159.2	0.0	349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
 Data File : VX045110.D
 Acq On : 03 Mar 2025 14:09
 Operator : JC/MD
 Sample : Q1478-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-AQ-DRUM-616-022825

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\82X022825W.M

Title : SW846 8260

Signal : TIC: VX045110.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.136	6	8	19	rVB	29627	30939	2.91%	0.713%
2	2.130	166	171	180	rVB	10538	17526	1.65%	0.404%
3	2.319	195	202	208	rBV	53987	100574	9.47%	2.317%
4	2.380	208	212	223	rVB	54846	91607	8.62%	2.110%
5	4.483	548	557	574	rBV	41697	115724	10.89%	2.666%
6	5.001	632	642	666	rBV2	54908	187074	17.61%	4.309%
7	5.379	693	704	720	rBV3	58984	175923	16.56%	4.053%
8	5.544	720	731	746	rBV	81822	238320	22.43%	5.490%
9	5.946	787	797	813	rBV2	65206	181106	17.05%	4.172%
10	6.751	921	929	948	rBV	149300	371540	34.97%	8.559%
11	7.117	980	989	1014	rBV	499379	1062484	100.00%	24.475%
12	8.641	1233	1239	1248	rBV	307958	517761	48.73%	11.927%
13	8.714	1248	1251	1263	rVB	11346	22543	2.12%	0.519%
14	9.269	1333	1342	1350	rBV	31727	48704	4.58%	1.122%
15	10.049	1465	1470	1489	rBV	331581	458470	43.15%	10.561%
16	11.079	1634	1639	1656	rVB	247727	324418	30.53%	7.473%
17	12.018	1788	1793	1806	rBV	320859	396333	37.30%	9.130%

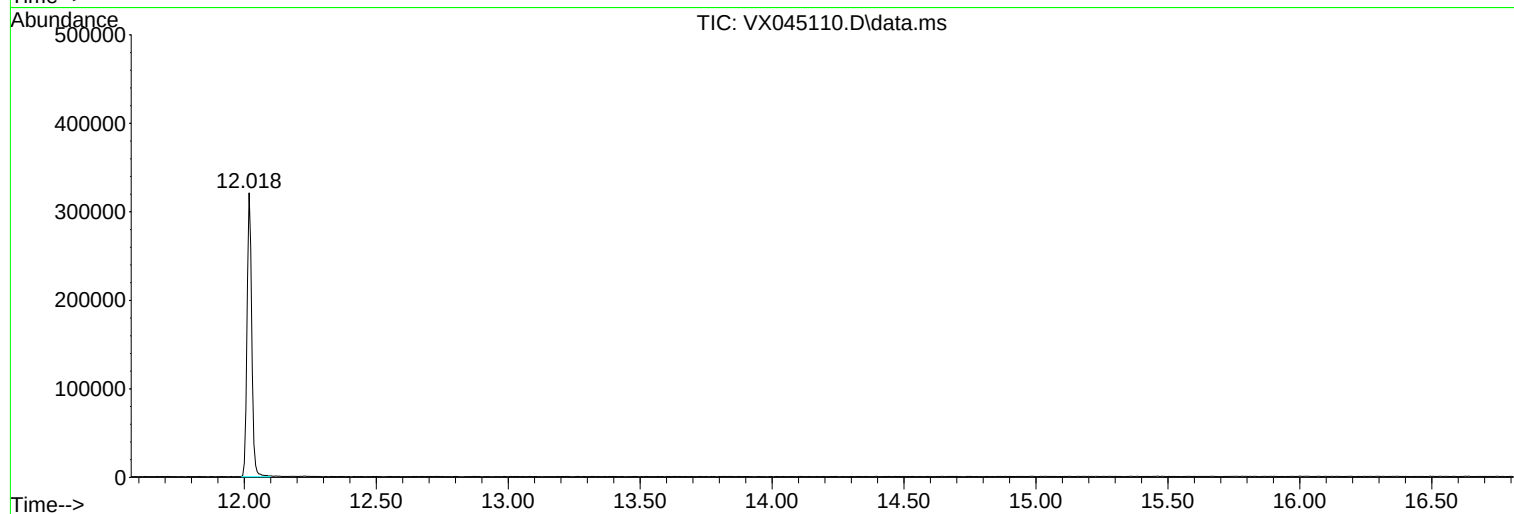
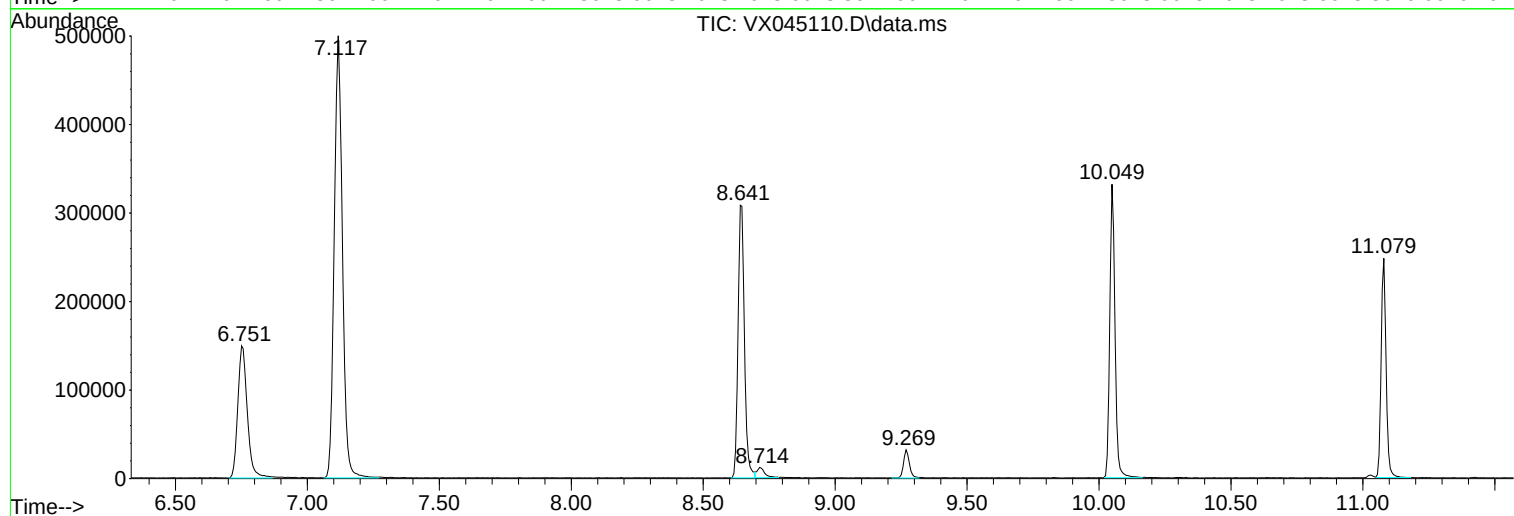
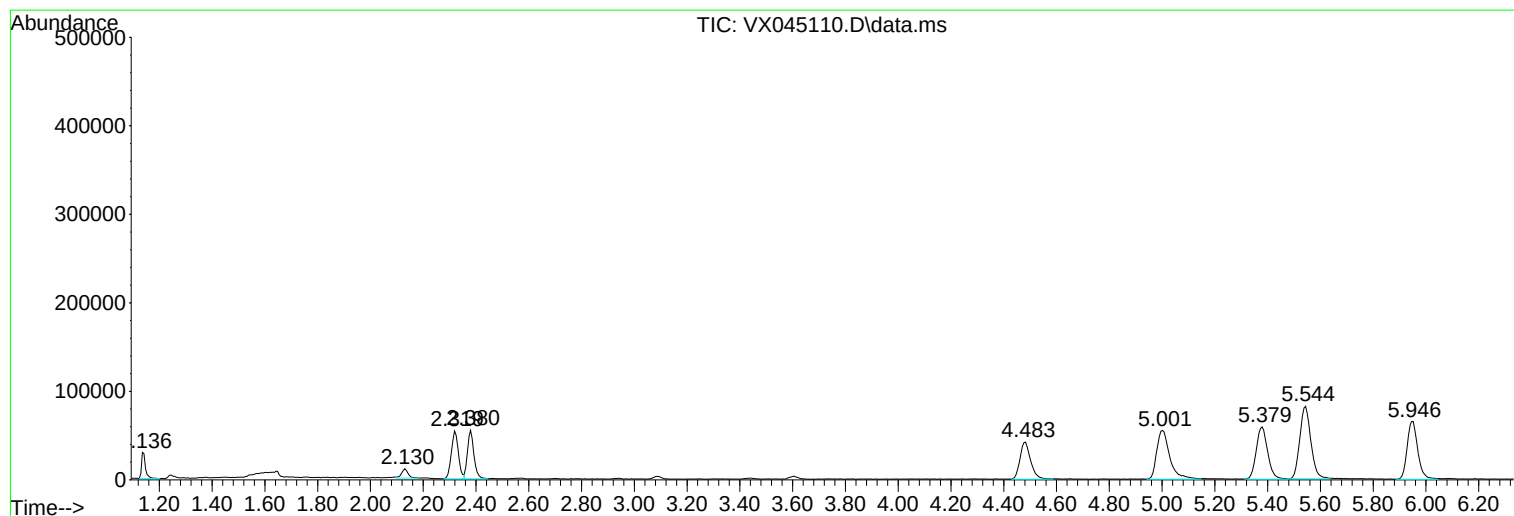
Sum of corrected areas: 4341046

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
Data File : VX045110.D
Acq On : 03 Mar 2025 14:09
Operator : JC/MD
Sample : Q1478-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-616-022825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
Data File : VX045110.D
Acq On : 03 Mar 2025 14:09
Operator : JC/MD
Sample : Q1478-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-616-022825

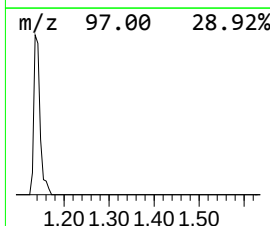
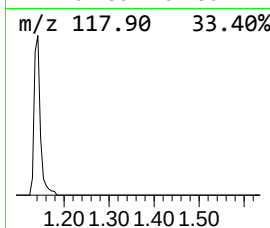
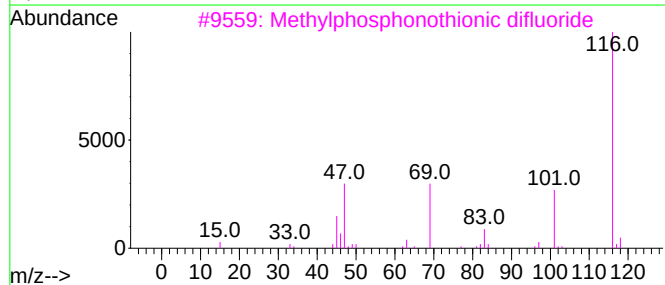
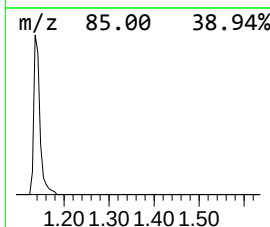
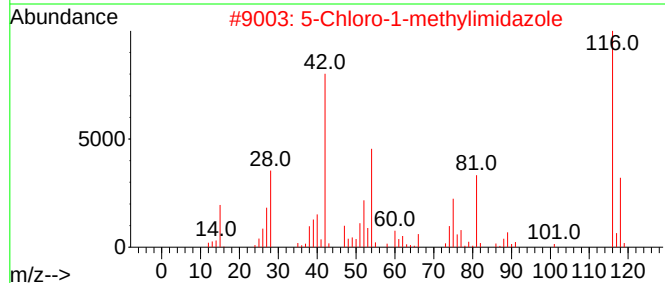
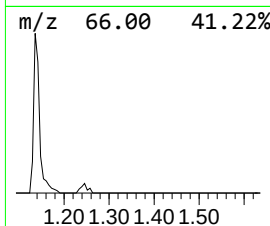
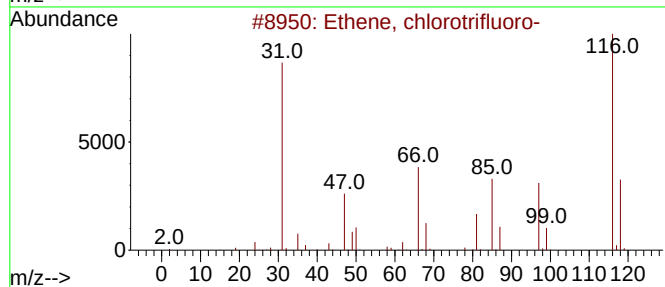
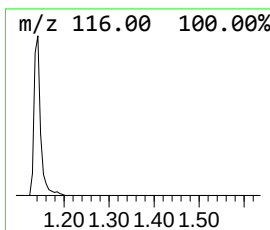
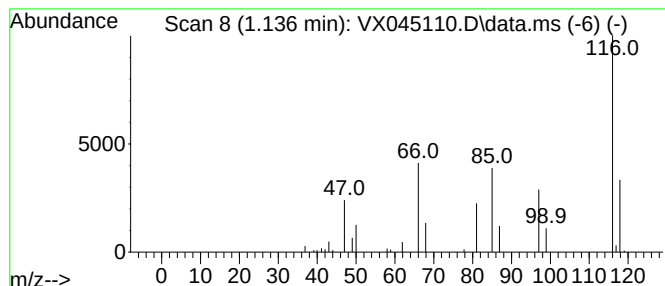
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

Peak Number 1 Ethene, chlorotrifluoro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.136	6.49 ug/l	30939	Pentafluorobenzene	5.537

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethene, chlorotrifluoro-	116	C2ClF3	000079-38-9	97
2			5-Chloro-1-methylimidazole	116	C4H5ClN2	000872-49-1	9
3			Methylphosphonothionic difluoride	116	CH3F2PS	000753-72-0	9
4			1,2,5-Thiadiazole-3,4-diamine	116	C2H4N4S	055904-36-4	5
5			3-Ethylthiolane	116	C6H12S	062184-67-2	5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
Data File : VX045110.D
Acq On : 03 Mar 2025 14:09
Operator : JC/MD
Sample : Q1478-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-616-022825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.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
Ethene, chlorot...	1.136	6.5	ug/l	30939	1	5.537	238320	50.0

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-AQ-DRUM-616-022825DL	SDG No.:	Q1478
Lab Sample ID:	Q1478-04DL	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
VX045136.D	4		03/05/25 12:50	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.84	UD	0.84	4.00	ug/L
74-87-3	Chloromethane	1.40	UD	1.40	4.00	ug/L
75-01-4	Vinyl Chloride	1.40	UD	1.40	4.00	ug/L
74-83-9	Bromomethane	5.40	UD	5.40	20.0	ug/L
75-00-3	Chloroethane	2.20	UD	2.20	4.00	ug/L
75-69-4	Trichlorofluoromethane	1.40	UD	1.40	4.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	24.3	D	1.00	4.00	ug/L
75-35-4	1,1-Dichloroethene	1.90	JD	1.00	4.00	ug/L
67-64-1	Acetone	140	D	5.60	20.0	ug/L
75-15-0	Carbon Disulfide	1.30	UD	1.30	4.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.64	UD	0.64	4.00	ug/L
79-20-9	Methyl Acetate	2.40	UD	2.40	4.00	ug/L
75-09-2	Methylene Chloride	1.30	UD	1.30	4.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.90	JD	1.00	4.00	ug/L
75-34-3	1,1-Dichloroethane	0.92	UD	0.92	4.00	ug/L
110-82-7	Cyclohexane	6.50	UD	6.50	20.0	ug/L
78-93-3	2-Butanone	5.20	UD	5.20	20.0	ug/L
56-23-5	Carbon Tetrachloride	1.00	UD	1.00	4.00	ug/L
156-59-2	cis-1,2-Dichloroethene	25.1	D	1.00	4.00	ug/L
74-97-5	Bromochloromethane	0.72	UD	0.72	4.00	ug/L
67-66-3	Chloroform	1.00	UD	1.00	4.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.76	UD	0.76	4.00	ug/L
108-87-2	Methylcyclohexane	0.76	UD	0.76	4.00	ug/L
71-43-2	Benzene	0.64	UD	0.64	4.00	ug/L
107-06-2	1,2-Dichloroethane	0.96	UD	0.96	4.00	ug/L
79-01-6	Trichloroethene	170	D	1.30	4.00	ug/L
78-87-5	1,2-Dichloropropane	0.76	UD	0.76	4.00	ug/L
75-27-4	Bromodichloromethane	0.96	UD	0.96	4.00	ug/L
108-10-1	4-Methyl-2-Pentanone	3.00	UD	3.00	20.0	ug/L
108-88-3	Toluene	2.20	JD	0.72	4.00	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-AQ-DRUM-616-022825DL	SDG No.:	Q1478
Lab Sample ID:	Q1478-04DL	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
VX045136.D	4		03/05/25 12:50	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.84	UD	0.84	4.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.72	UD	0.72	4.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.84	UD	0.84	4.00	ug/L
591-78-6	2-Hexanone	4.50	UD	4.50	20.0	ug/L
124-48-1	Dibromochloromethane	0.72	UD	0.72	4.00	ug/L
106-93-4	1,2-Dibromoethane	0.64	UD	0.64	4.00	ug/L
127-18-4	Tetrachloroethene	6.20	D	1.00	4.00	ug/L
108-90-7	Chlorobenzene	0.52	UD	0.52	4.00	ug/L
100-41-4	Ethyl Benzene	0.64	UD	0.64	4.00	ug/L
179601-23-1	m/p-Xylenes	1.20	UD	1.20	8.00	ug/L
95-47-6	o-Xylene	0.56	UD	0.56	4.00	ug/L
100-42-5	Styrene	0.64	UD	0.64	4.00	ug/L
75-25-2	Bromoform	0.84	UD	0.84	4.00	ug/L
98-82-8	Isopropylbenzene	0.52	UD	0.52	4.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.10	UD	1.10	4.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.96	UD	0.96	4.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.10	UD	1.10	4.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.76	UD	0.76	4.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	UD	1.80	4.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.70	UD	1.70	4.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	2.00	UD	2.00	4.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.8		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.2		70 (77) - 130 (121)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	75500	5.55			
540-36-3	1,4-Difluorobenzene	146000	6.757			
3114-55-4	Chlorobenzene-d5	125000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	49300	12.018			

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-AQ-DRUM-616-022825DL	SDG No.:	Q1478
Lab Sample ID:	Q1478-04DL	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
VX045136.D	4		03/05/25 12:50	VX030525

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\VX030525\
 Data File : VX045136.D
 Acq On : 05 Mar 2025 12:50
 Operator : JC/MD
 Sample : Q1478-04DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-AQ-DRUM-616-022825DL

Quant Time: Mar 06 01:04:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

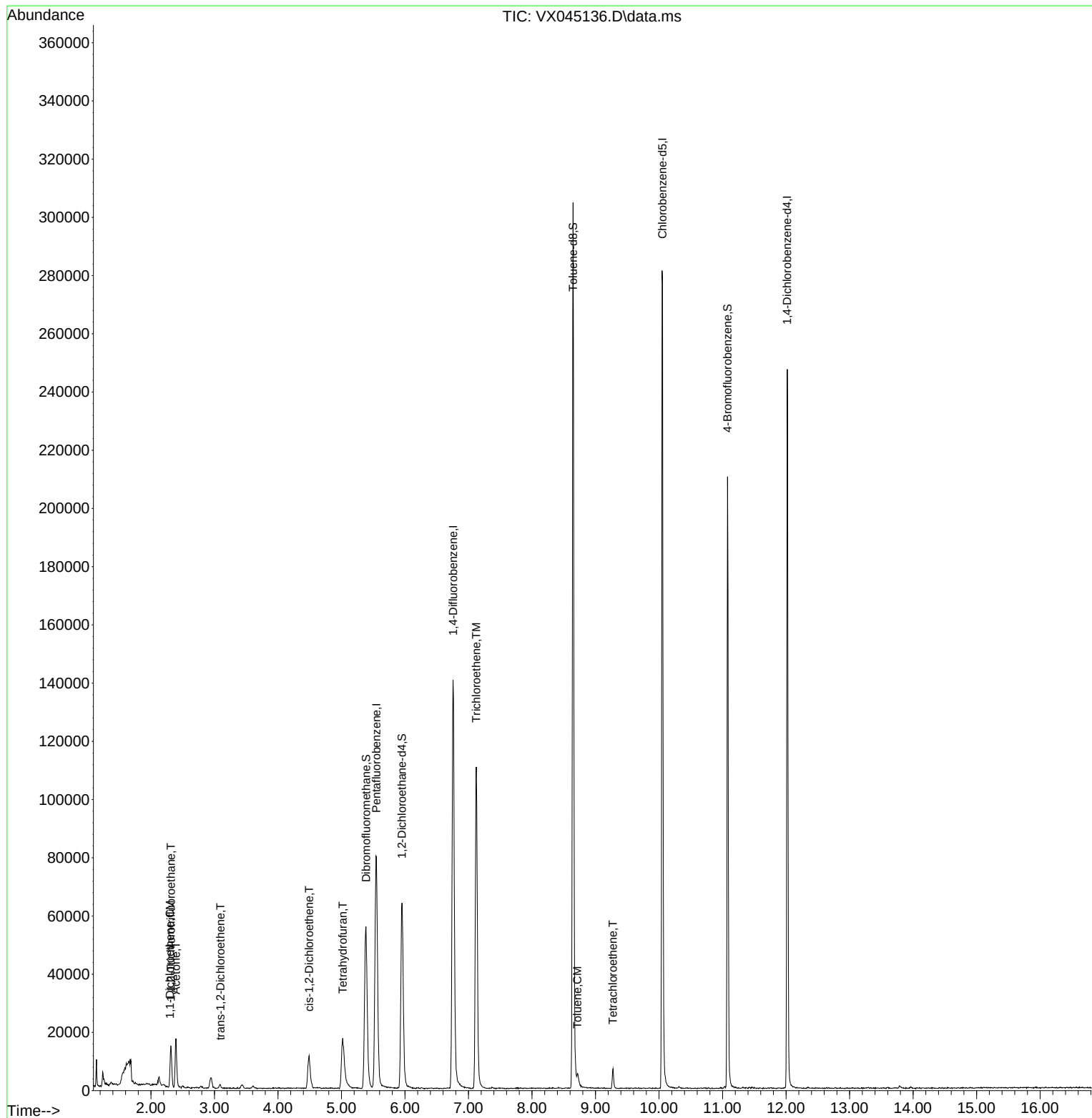
Internal Standards						
1) Pentafluorobenzene	5.550	168	75457	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	145945	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	124906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49286	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60925	50.760	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.520%	
35) Dibromofluoromethane	5.385	113	49272	50.489	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.980%	
50) Toluene-d8	8.647	98	180498	51.017	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.040%	
62) 4-Bromofluorobenzene	11.079	95	55350	47.212	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 94.420%	
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.313	101	5322	6.068	ug/l	98
12) 1,1-Dichloroethene	2.300	96	447	0.482	ug/l #	84
16) Acetone	2.392	43	18948	34.025	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	428	0.467	ug/l #	81
27) cis-1,2-Dichloroethene	4.489	96	7106	6.284	ug/l	95
29) Tetrahydrofuran	5.019	42	18542	32.939	ug/l	97
44) Trichloroethene	7.123	130	42288	42.614	ug/l	95
52) Toluene	8.714	92	1348	0.544	ug/l	87
64) Tetrachloroethene	9.275	164	1243	1.554	ug/l	97

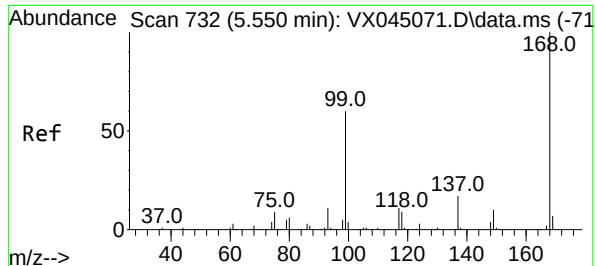
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045136.D
Acq On : 05 Mar 2025 12:50
Operator : JC/MD
Sample : Q1478-04DL 4X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-616-022825DL

Quant Time: Mar 06 01:04:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

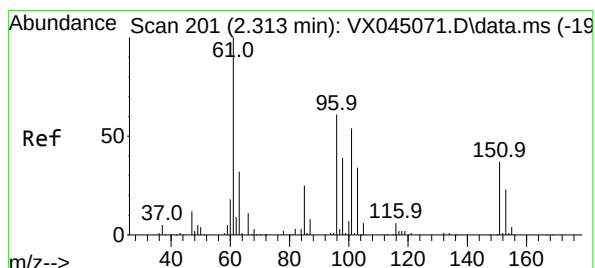
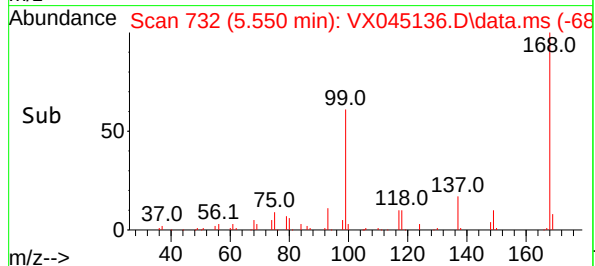
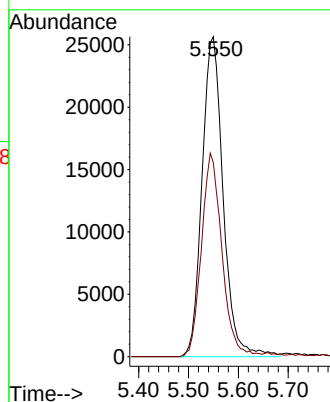
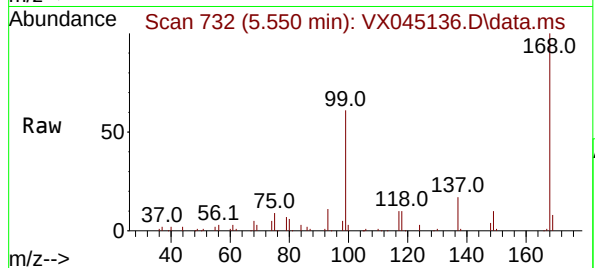




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

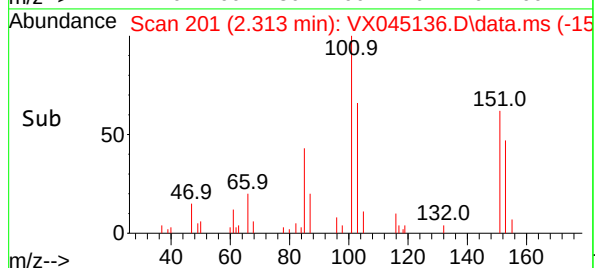
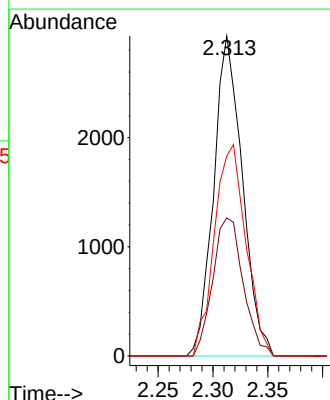
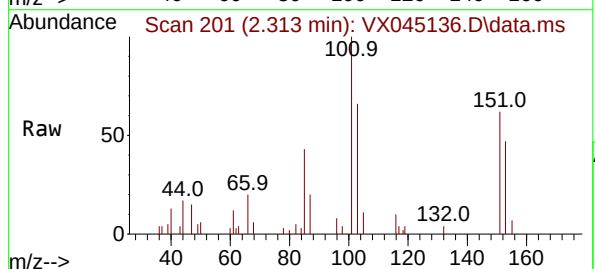
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-616-022825DL

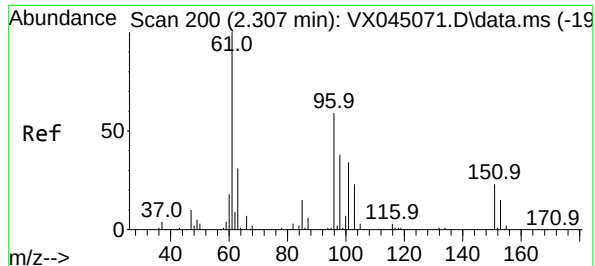
Tgt Ion:168 Resp: 75457
Ion Ratio Lower Upper
168 100
99 60.7 48.2 72.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.068 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

Tgt Ion:101 Resp: 5322
Ion Ratio Lower Upper
101 100
85 45.9 36.2 54.4
151 72.8 56.4 84.6





#12

1,1-Dichloroethene

Concen: 0.482 ug/l

RT: 2.300 min Scan# 199

Delta R.T. -0.006 min

Lab File: VX045136.D

Acq: 05 Mar 2025 12:50

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-616-022825DL

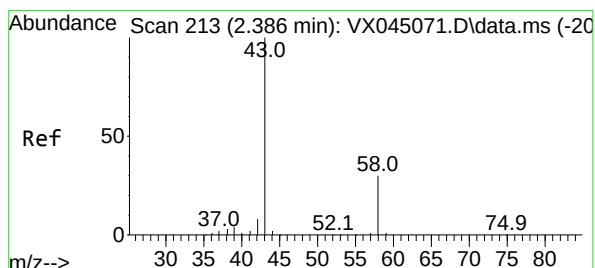
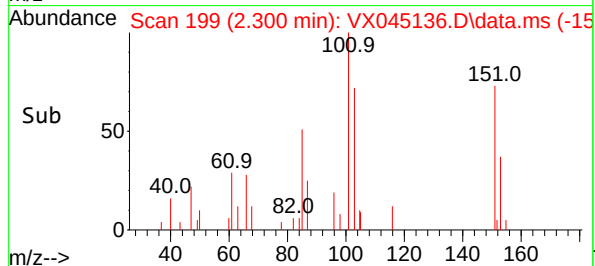
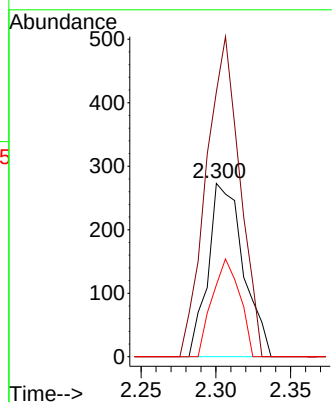
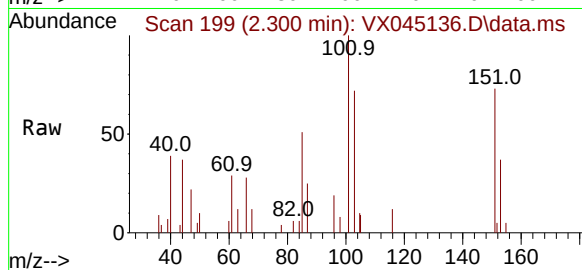
Tgt Ion: 96 Resp: 447

Ion Ratio Lower Upper

96 100

61 152.7 134.6 202.0

98 41.4 51.0 76.6#



#16

Acetone

Concen: 34.025 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX045136.D

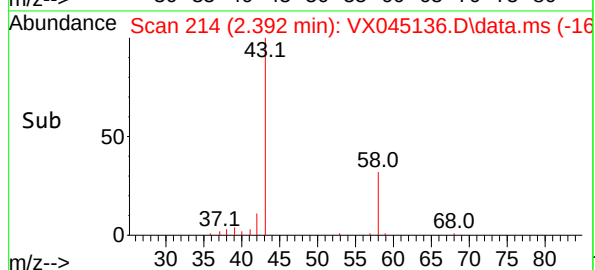
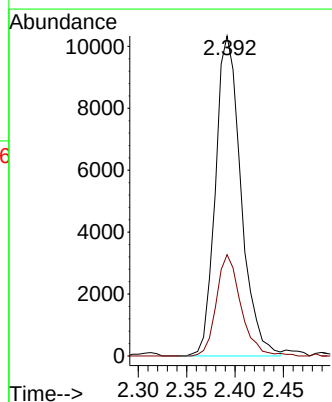
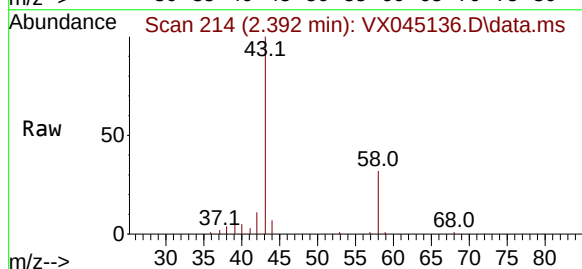
Acq: 05 Mar 2025 12:50

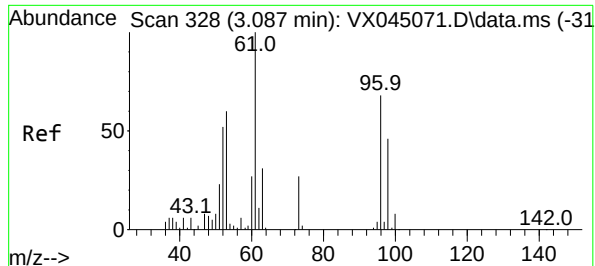
Tgt Ion: 43 Resp: 18948

Ion Ratio Lower Upper

43 100

58 31.7 24.2 36.4





#21

trans-1,2-Dichloroethene

Concen: 0.467 ug/l

RT: 3.093 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX045136.D

Acq: 05 Mar 2025 12:50

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-616-022825DL

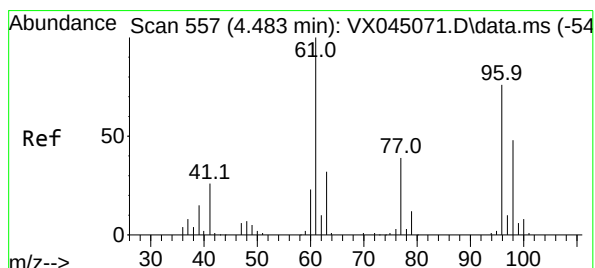
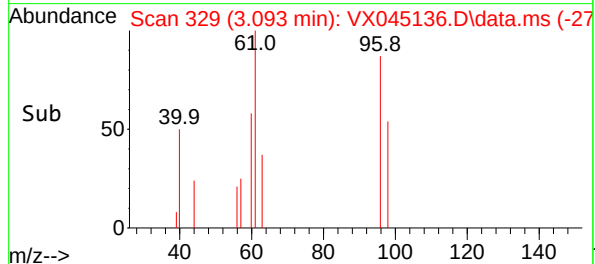
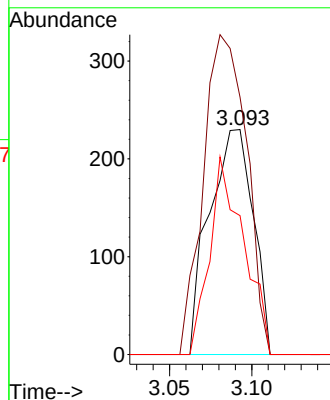
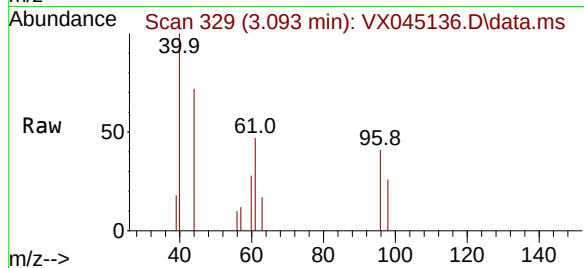
Tgt Ion: 96 Resp: 428

Ion Ratio Lower Upper

96 100

61 114.3 117.0 175.4#

98 61.7 53.4 80.2



#27

cis-1,2-Dichloroethene

Concen: 6.284 ug/l

RT: 4.489 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX045136.D

Acq: 05 Mar 2025 12:50

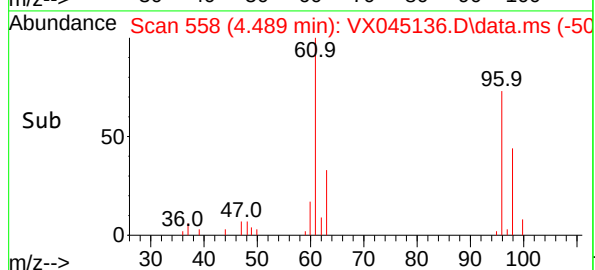
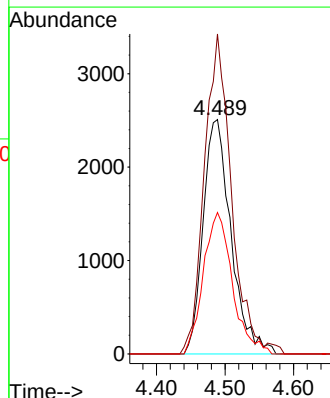
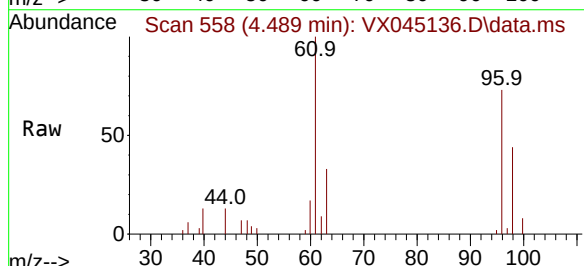
Tgt Ion: 96 Resp: 7106

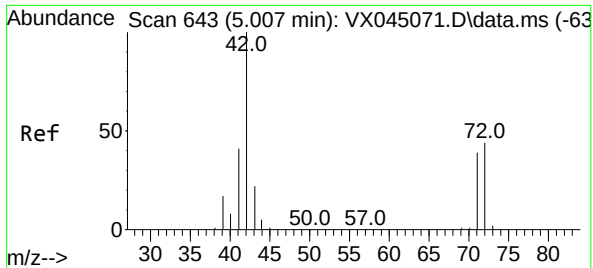
Ion Ratio Lower Upper

96 100

61 133.2 0.0 283.2

98 62.8 0.0 128.0





#29

Tetrahydrofuran

Concen: 32.939 ug/l

RT: 5.019 min Scan# 643

Delta R.T. 0.012 min

Lab File: VX045136.D

Acq: 05 Mar 2025 12:50

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-616-022825DL

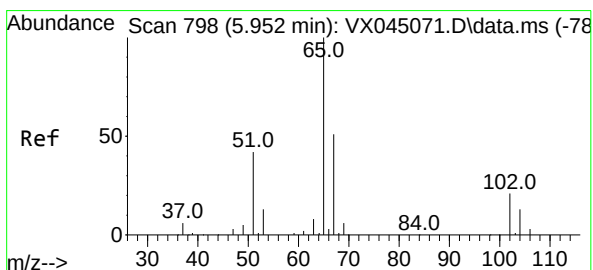
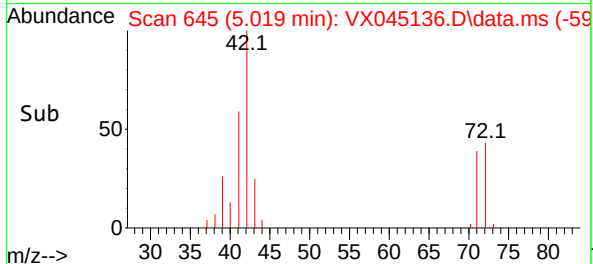
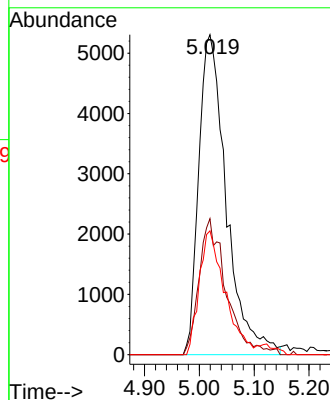
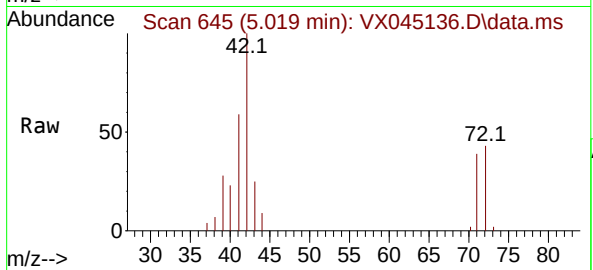
Tgt Ion: 42 Resp: 18542

Ion Ratio Lower Upper

42 100

72 41.9 34.1 51.1

71 36.1 31.4 47.0



#33

1,2-Dichloroethane-d4

Concen: 50.760 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045136.D

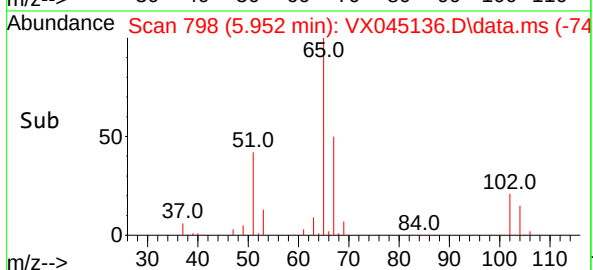
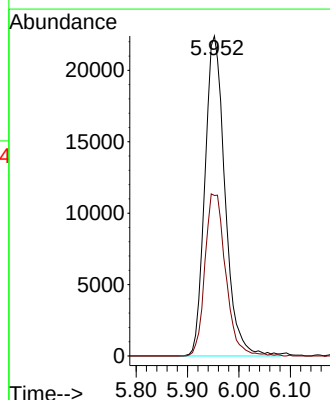
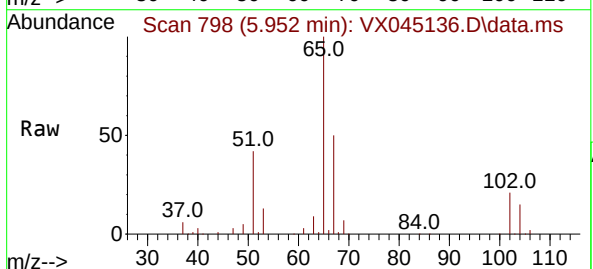
Acq: 05 Mar 2025 12:50

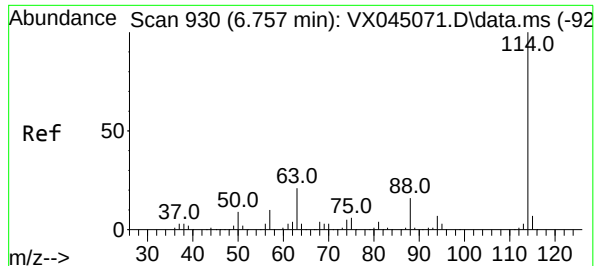
Tgt Ion: 65 Resp: 60925

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX045136.D

Acq: 05 Mar 2025 12:50

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-616-022825DL

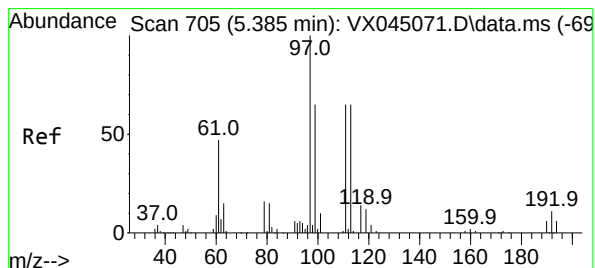
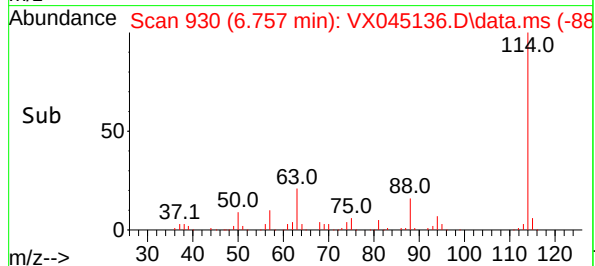
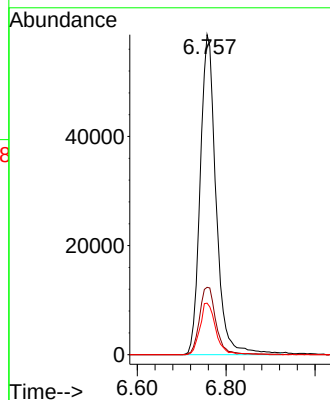
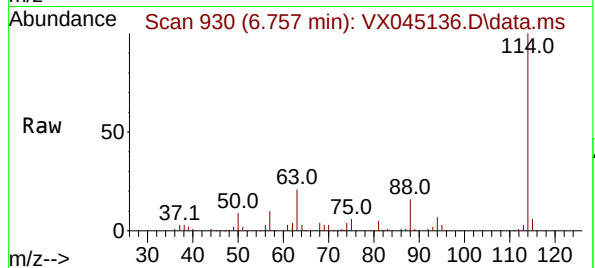
Tgt Ion:114 Resp: 145945

Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.8

88 16.1 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.489 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX045136.D

Acq: 05 Mar 2025 12:50

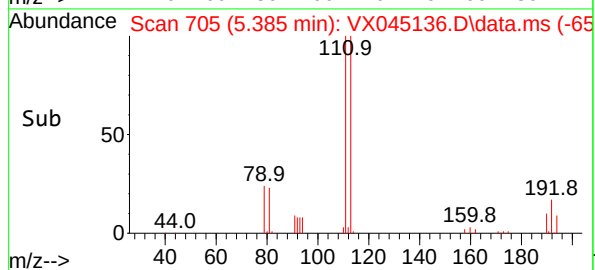
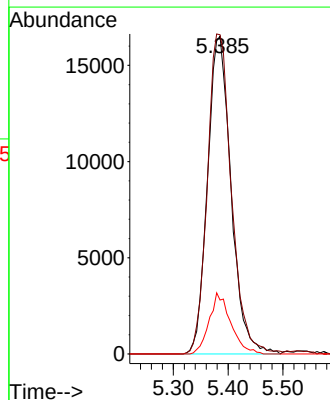
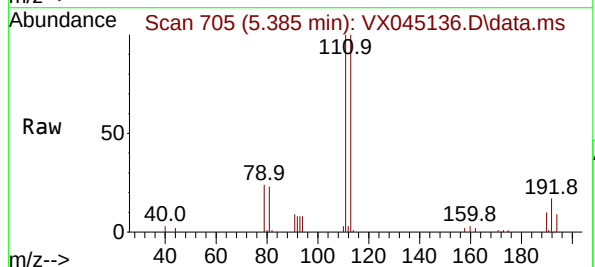
Tgt Ion:113 Resp: 49272

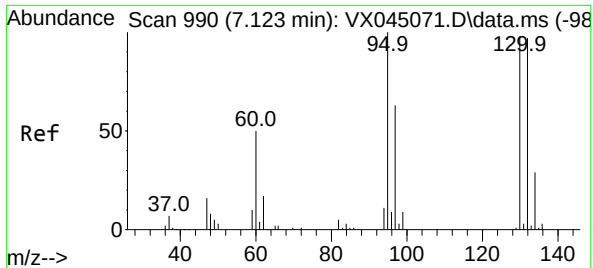
Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.6

192 17.6 14.3 21.5

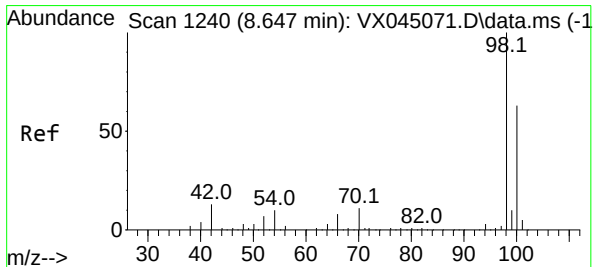
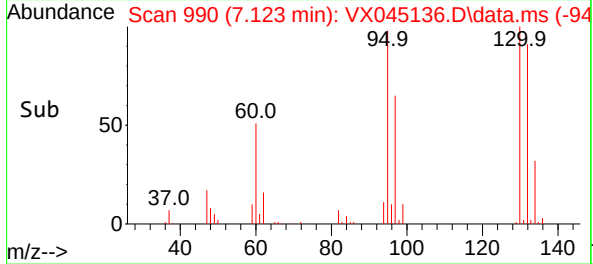
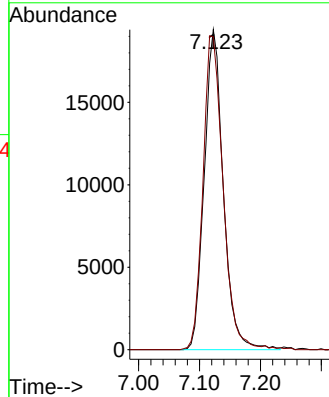
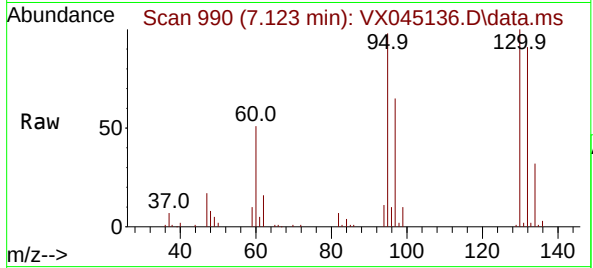




#44
Trichloroethene
Concen: 42.614 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

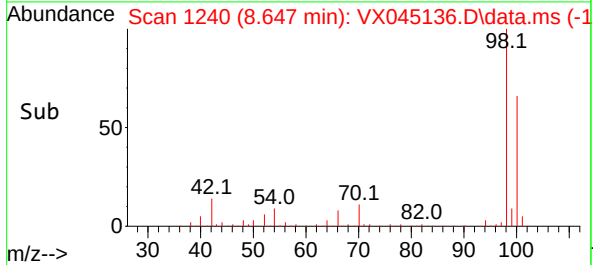
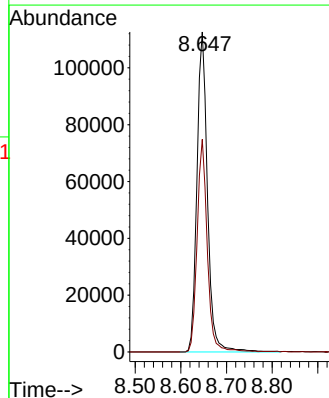
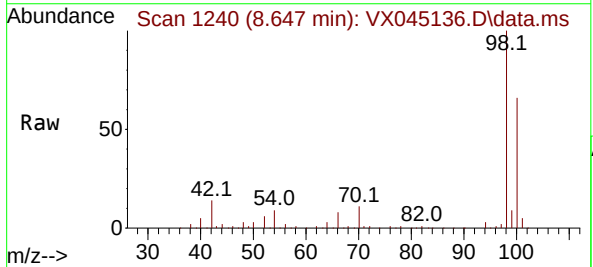
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-616-022825DL

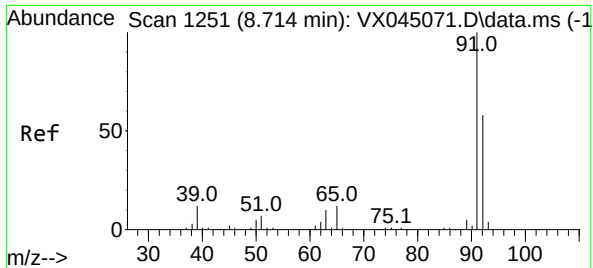
Tgt Ion:130 Resp: 42288
Ion Ratio Lower Upper
130 100
95 97.7 0.0 205.0



#50
Toluene-d8
Concen: 51.017 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

Tgt Ion: 98 Resp: 180498
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0





#52

Toluene

Concen: 0.544 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX045136.D

Acq: 05 Mar 2025 12:50

Instrument :

MSVOA_X

ClientSampleId :

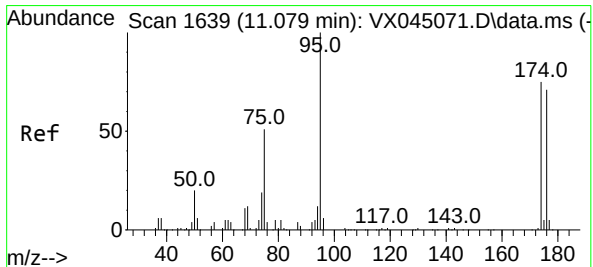
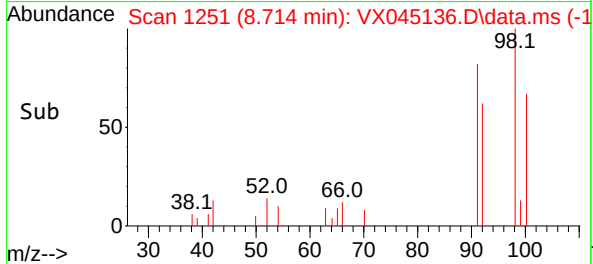
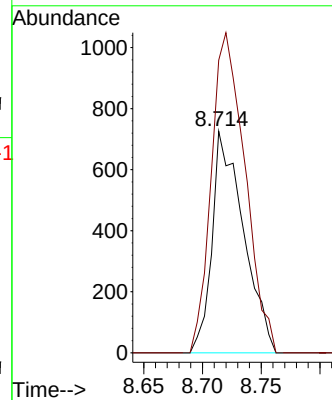
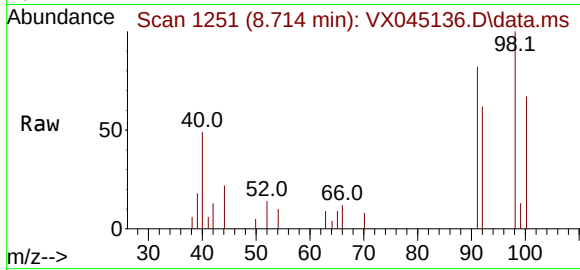
IDW-AQ-DRUM-616-022825DL

Tgt Ion: 92 Resp: 1348

Ion Ratio Lower Upper

92 100

91 155.3 138.9 208.3



#62

4-Bromofluorobenzene

Concen: 47.212 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045136.D

Acq: 05 Mar 2025 12:50

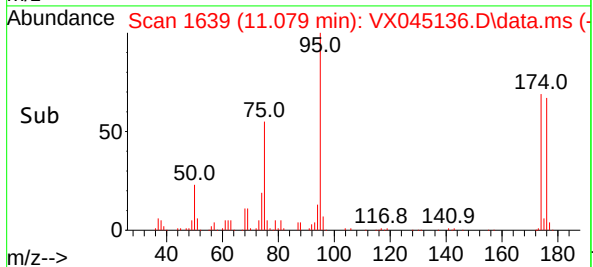
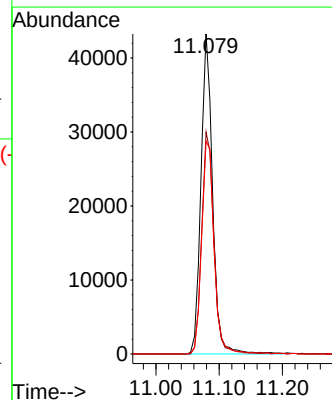
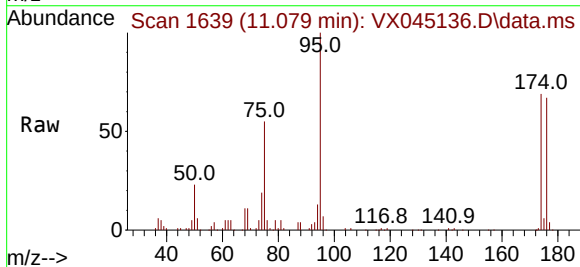
Tgt Ion: 95 Resp: 55350

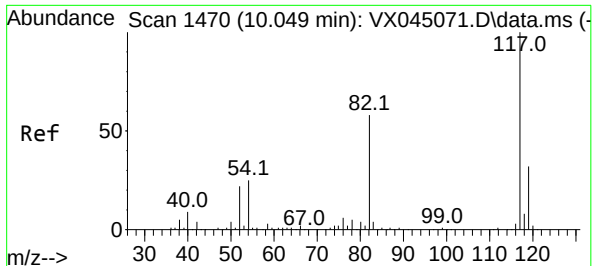
Ion Ratio Lower Upper

95 100

174 72.3 0.0 148.2

176 71.0 0.0 141.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX045136.D

Acq: 05 Mar 2025 12:50

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-616-022825DL

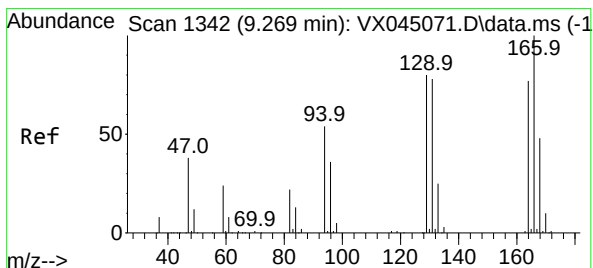
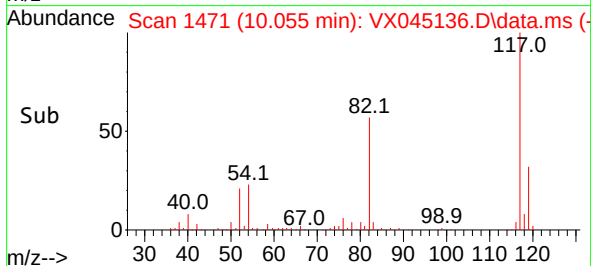
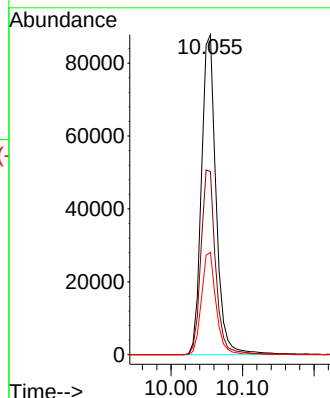
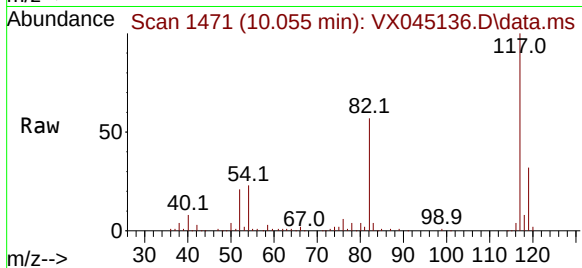
Tgt Ion:117 Resp: 124906

Ion Ratio Lower Upper

117 100

82 57.2 46.3 69.5

119 32.0 25.7 38.5



#64

Tetrachloroethene

Concen: 1.554 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX045136.D

Acq: 05 Mar 2025 12:50

Tgt Ion:164 Resp: 1243

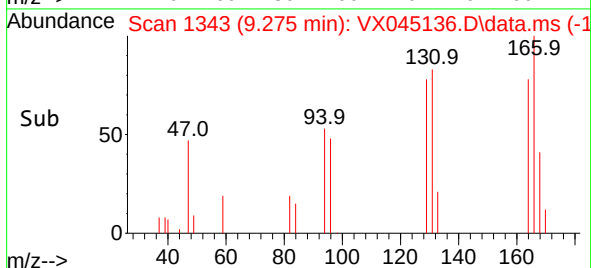
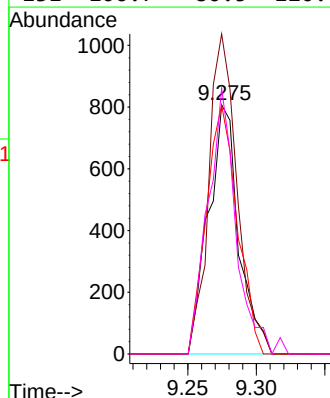
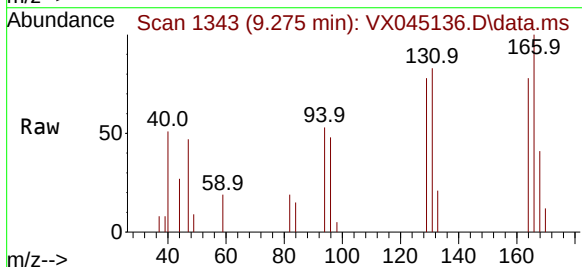
Ion Ratio Lower Upper

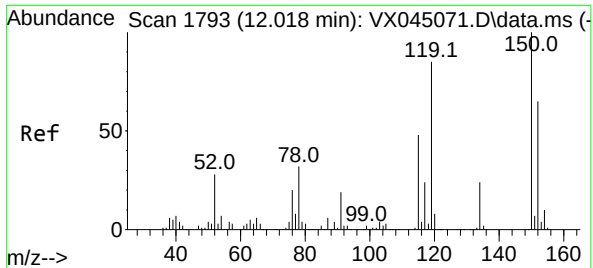
164 100

166 128.5 103.6 155.4

129 100.0 82.7 124.1

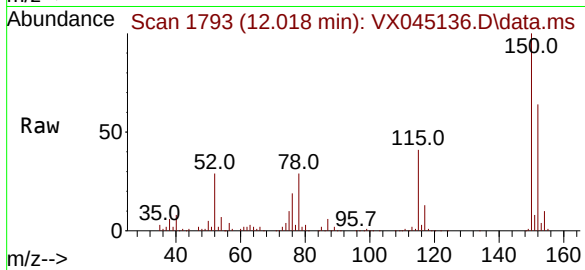
131 106.7 80.5 120.7



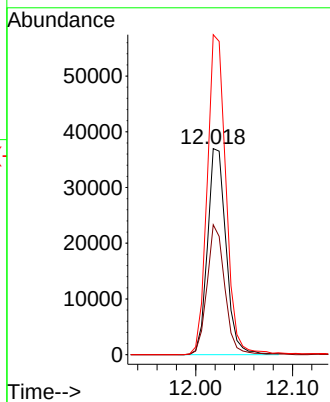
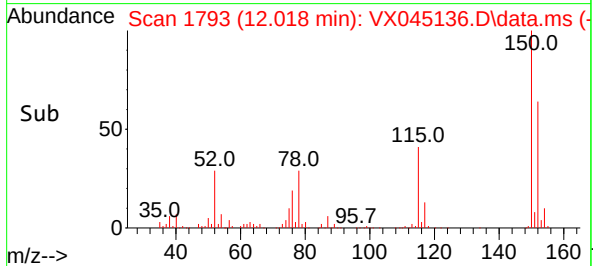


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045136.D
Acq: 05 Mar 2025 12:50

Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-616-022825DL



Tgt Ion:152 Resp: 49286
Ion Ratio Lower Upper
152 100
115 60.5 44.2 132.6
150 157.1 0.0 349.0



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-AQ-DRUM-614-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-06	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
VX045111.D	1		03/03/25 14:31	VX030325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.68	J	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	8.20		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	2.40		0.26	1.00	ug/L
67-64-1	Acetone	43.5		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	3.40		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	3.20		0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	86.1		0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	300	E	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	1.80		0.18	1.00	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-AQ-DRUM-614-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-06	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
VX045111.D	1		03/03/25 14:31	VX030325

[illegible]

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-AQ-DRUM-614-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-06	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
VX045111.D	1		03/03/25 14:31	VX030325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
109-99-9	Tetrahydrofuran	38.9	J		5.01	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
 Data File : VX045111.D
 Acq On : 03 Mar 2025 14:31
 Operator : JC/MD
 Sample : Q1478-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-AQ-DRUM-614-022825

Quant Time: Mar 04 05:23:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

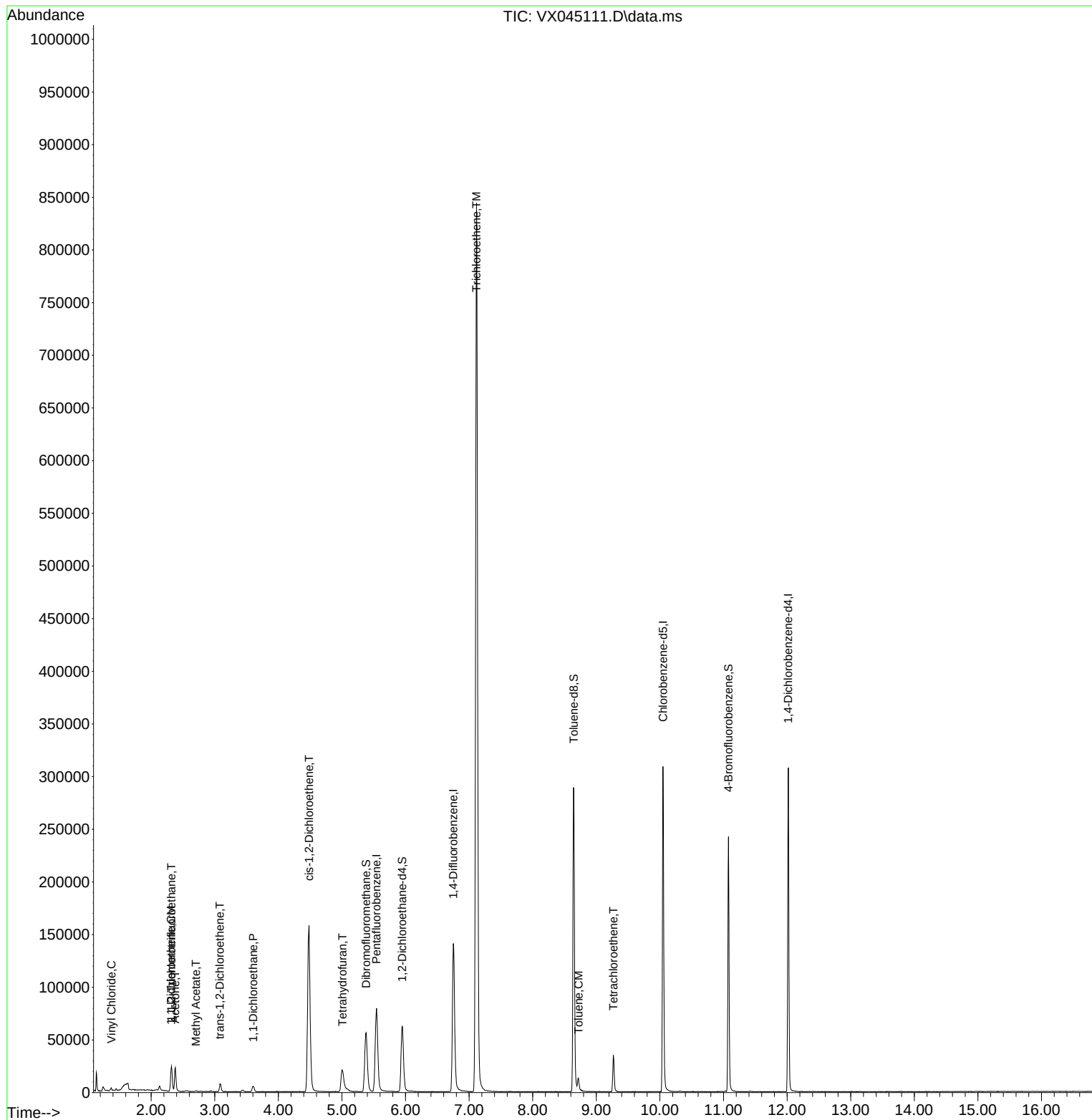
Internal Standards						
1) Pentafluorobenzene	5.544	168	75051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	147850	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	135587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	59936	50.206	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.420%	
35) Dibromofluoromethane	5.379	113	49528	50.097	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.200%	
50) Toluene-d8	8.647	98	179795	50.164	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.320%	
62) 4-Bromofluorobenzene	11.079	95	64369	54.197	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.400%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	783	0.683	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.319	101	7191	8.244	ug/l	97
12) 1,1-Dichloroethene	2.313	96	2227	2.415	ug/l	93
16) Acetone	2.380	43	24079	43.473	ug/l	94
18) Methyl Acetate	2.703	43	779	0.585	ug/l	93
21) trans-1,2-Dichloroethene	3.081	96	3068	3.367	ug/l #	77
24) 1,1-Dichloroethane	3.605	63	6069	3.244	ug/l #	92
27) cis-1,2-Dichloroethene	4.483	96	96850	86.112	ug/l	94
29) Tetrahydrofuran	5.007	42	21760	38.864	ug/l	99
44) Trichloroethene	7.117	130	305750	304.139	ug/l	100
52) Toluene	8.720	92	4408	1.755	ug/l	98
64) Tetrachloroethene	9.269	164	7114	8.192	ug/l	90

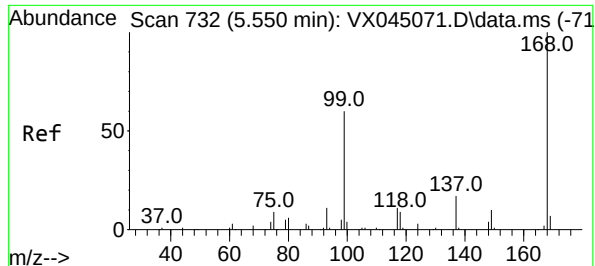
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
Data File : VX045111.D
Acq On : 03 Mar 2025 14:31
Operator : JC/MD
Sample : Q1478-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-614-022825

Quant Time: Mar 04 05:23:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

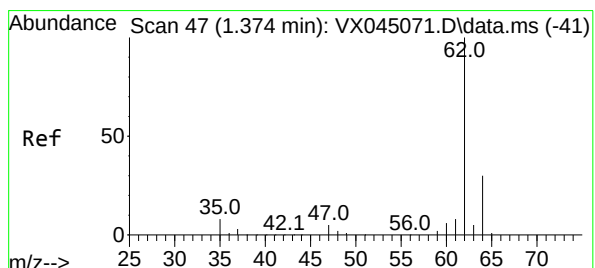
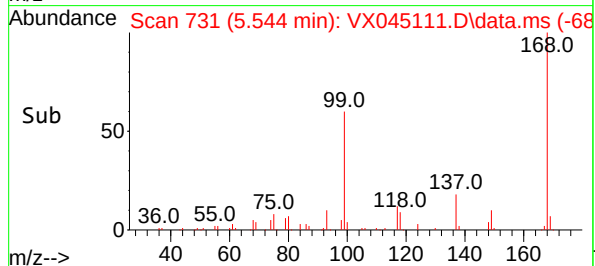
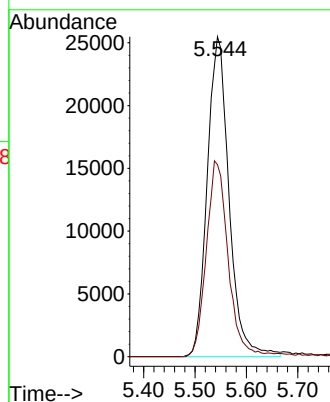
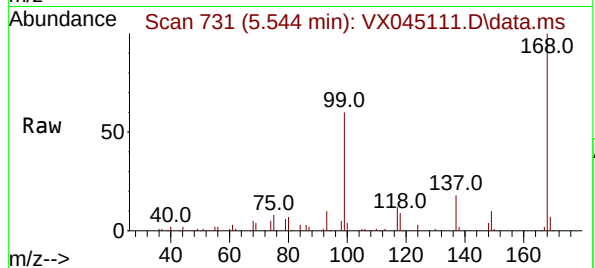




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

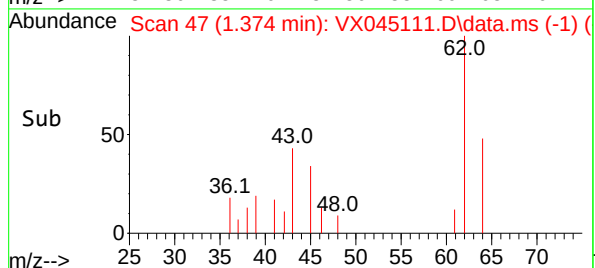
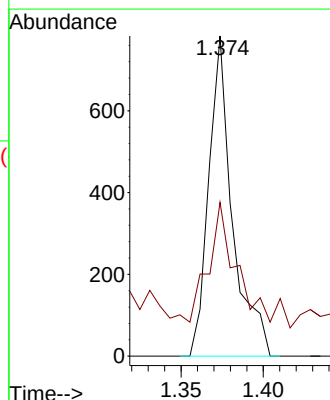
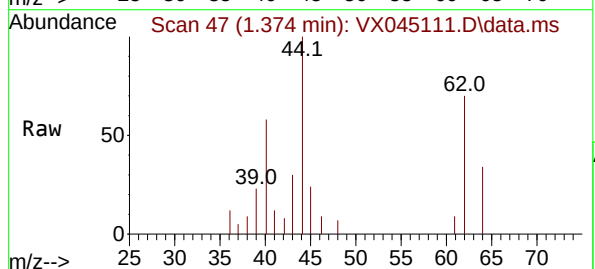
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-614-022825

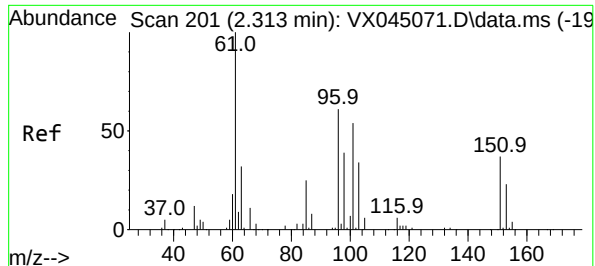
Tgt Ion:168 Resp: 75051
Ion Ratio Lower Upper
168 100
99 60.0 48.2 72.4



#4
Vinyl Chloride
Concen: 0.683 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

Tgt Ion: 62 Resp: 783
Ion Ratio Lower Upper
62 100
64 35.1 24.3 36.5

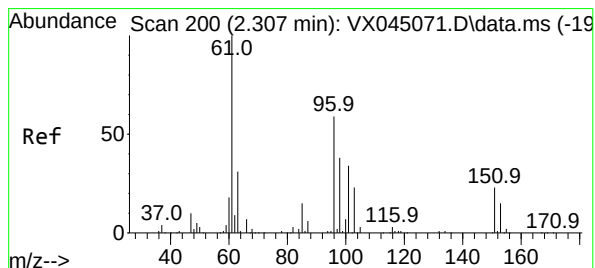
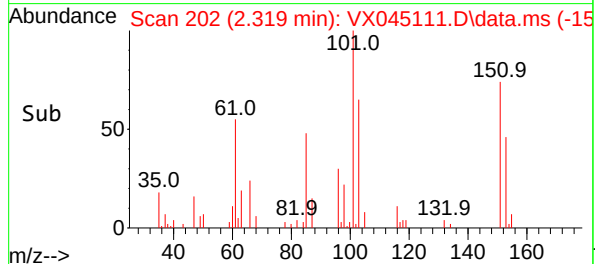
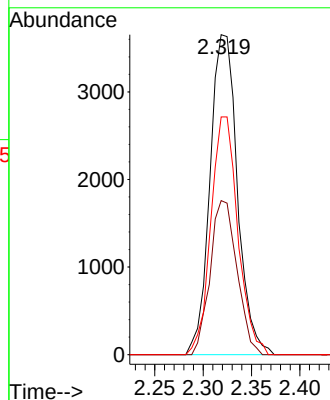
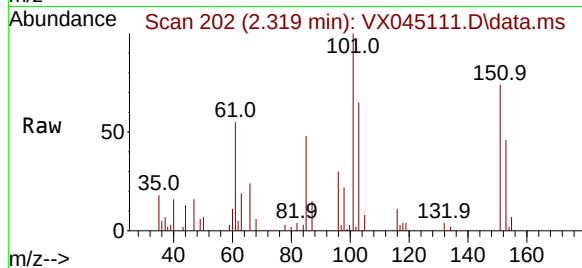




#9
1,1,2-Trichlorotrifluoroethane
Concen: 8.244 ug/l
RT: 2.319 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

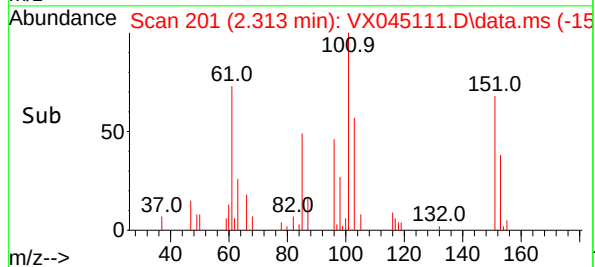
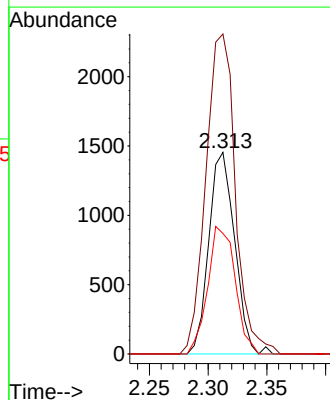
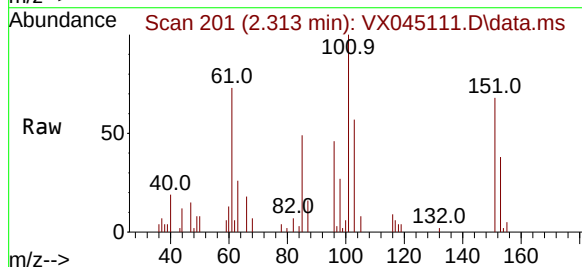
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-614-022825

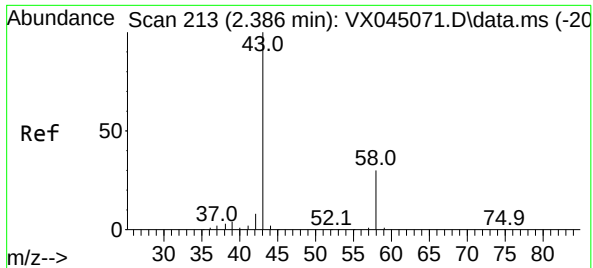
Tgt Ion	101	Resp	7191
Ion Ratio	Lower	Upper	
101	100		
85	47.1	36.2	54.4
151	73.3	56.4	84.6



#12
1,1-Dichloroethene
Concen: 2.415 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

Tgt Ion	96	Resp	2227
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
96	100		
61	158.7	134.6	202.0
98	59.8	51.0	76.6

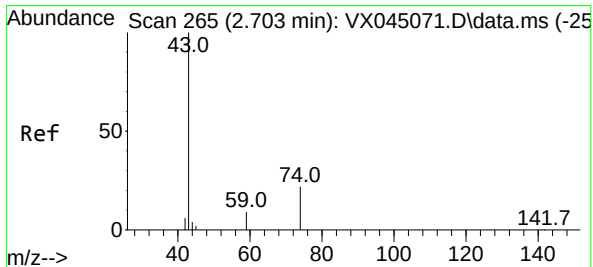
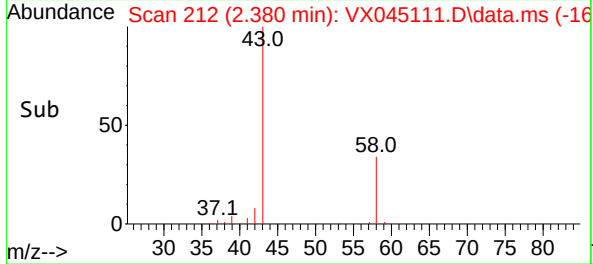
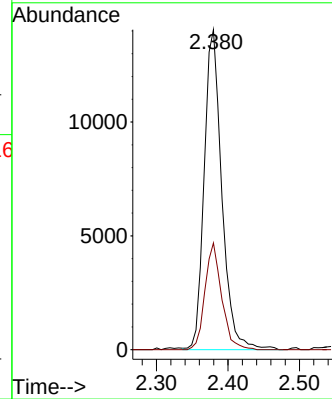
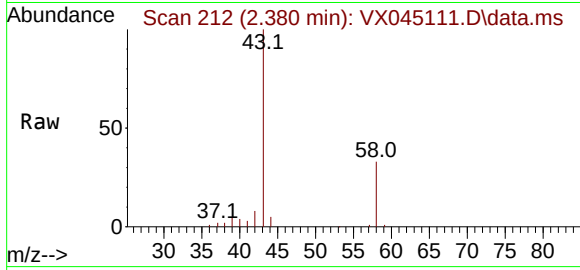




#16
Acetone
Concen: 43.473 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

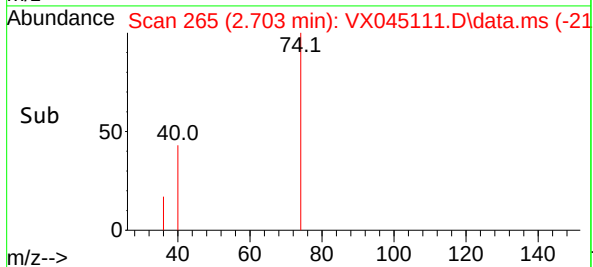
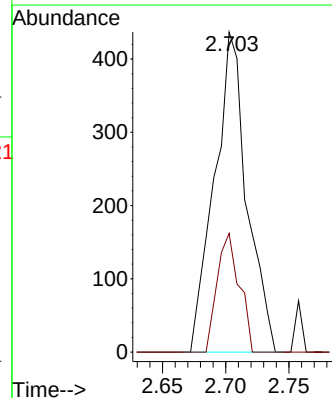
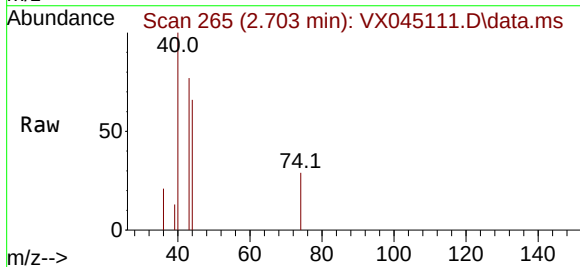
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-614-022825

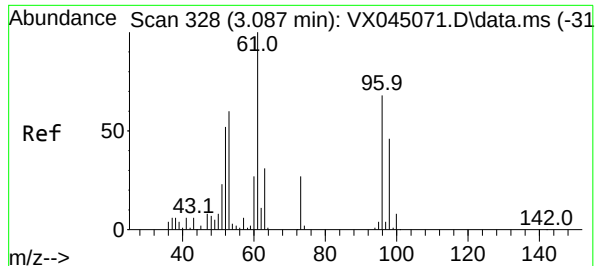
Tgt Ion: 43 Resp: 24079
Ion Ratio Lower Upper
43 100
58 33.4 24.2 36.4



#18
Methyl Acetate
Concen: 0.585 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

Tgt Ion: 43 Resp: 779
Ion Ratio Lower Upper
43 100
74 25.3 17.4 26.2

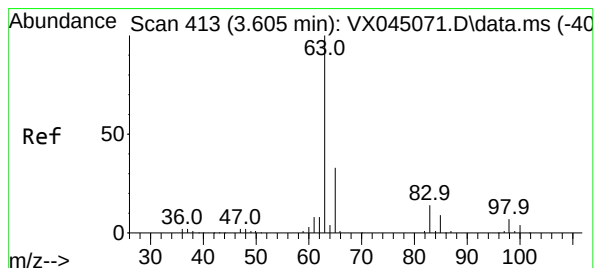
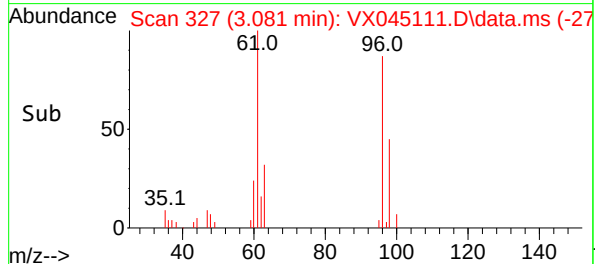
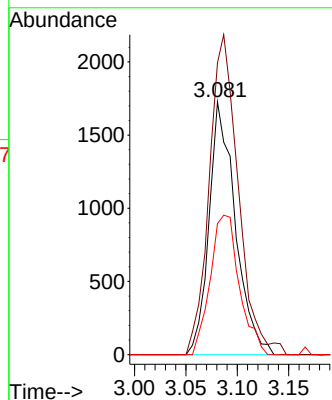
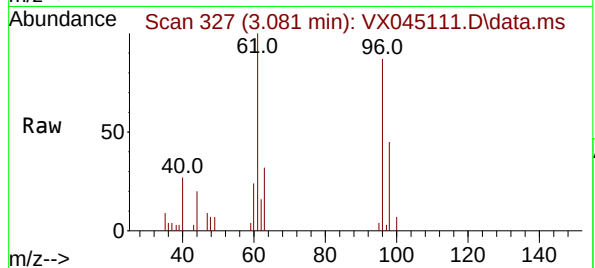




#21
trans-1,2-Dichloroethene
Concen: 3.367 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

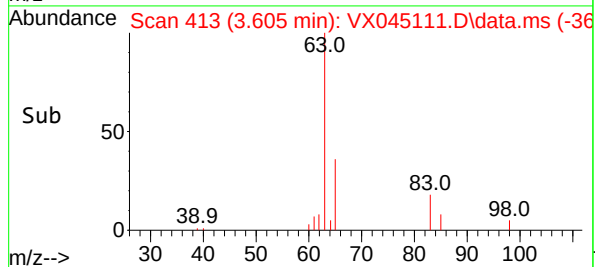
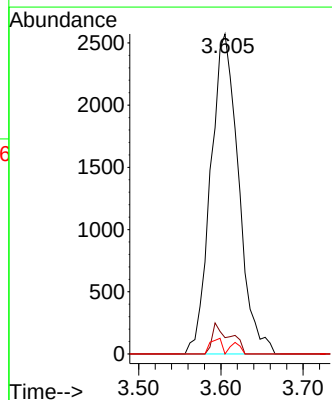
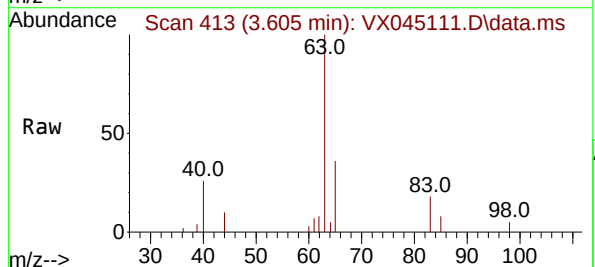
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-614-022825

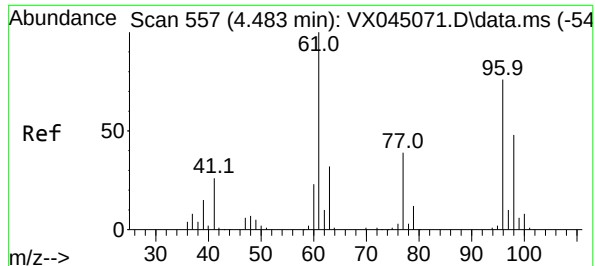
Tgt Ion: 96 Resp: 3068
Ion Ratio Lower Upper
96 100
61 115.5 117.0 175.4#
98 51.8 53.4 80.2#



#24
1,1-Dichloroethane
Concen: 3.244 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

Tgt Ion: 63 Resp: 6069
Ion Ratio Lower Upper
63 100
98 5.1 3.4 10.2
100 0.0 2.1 6.5#





#27

cis-1,2-Dichloroethene

Concen: 86.112 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX045111.D

Acq: 03 Mar 2025 14:31

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-614-022825

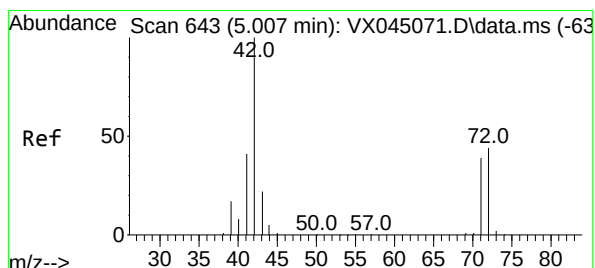
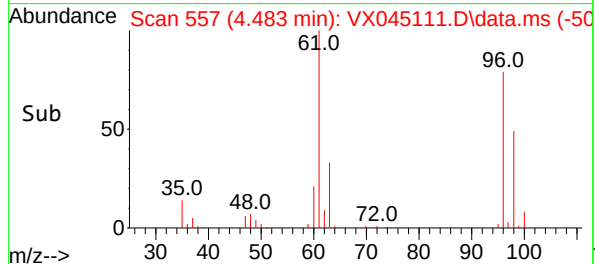
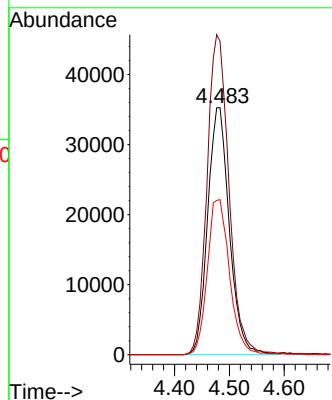
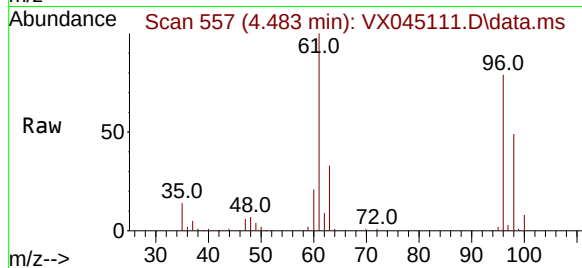
Tgt Ion: 96 Resp: 96850

Ion Ratio Lower Upper

96 100

61 131.3 0.0 283.2

98 64.4 0.0 128.0



#29

Tetrahydrofuran

Concen: 38.864 ug/l

RT: 5.007 min Scan# 643

Delta R.T. -0.000 min

Lab File: VX045111.D

Acq: 03 Mar 2025 14:31

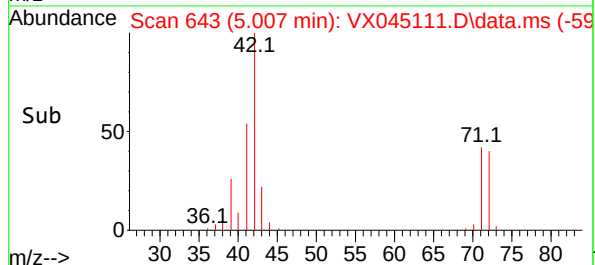
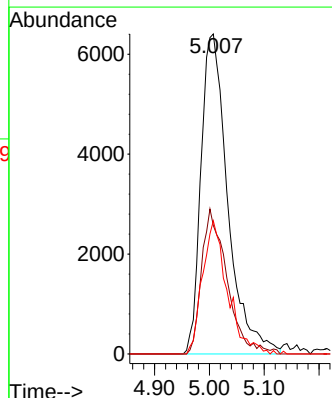
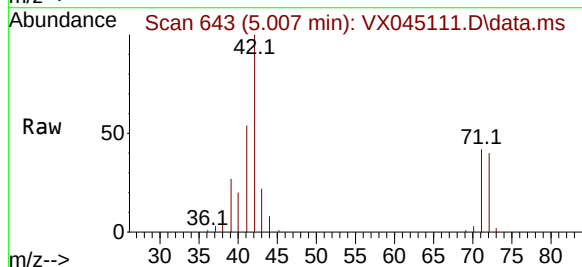
Tgt Ion: 42 Resp: 21760

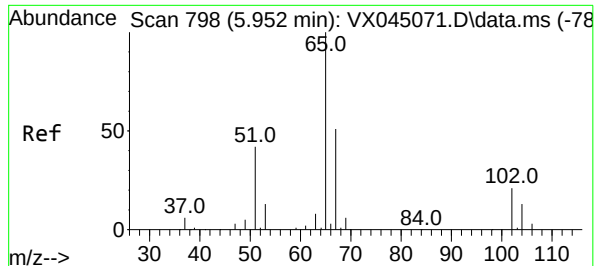
Ion Ratio Lower Upper

42 100

72 43.0 34.1 51.1

71 38.9 31.4 47.0





#33

1,2-Dichloroethane-d4

Concen: 50.206 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX045111.D

Acq: 03 Mar 2025 14:31

Instrument :

MSVOA_X

ClientSampleId :

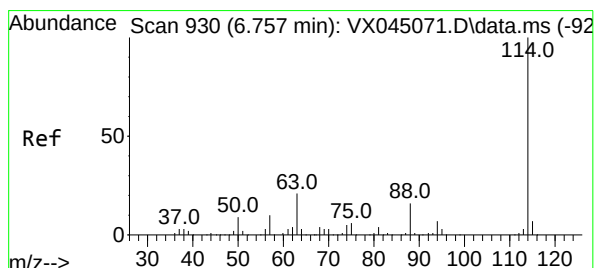
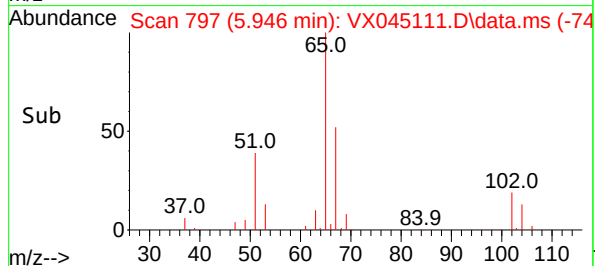
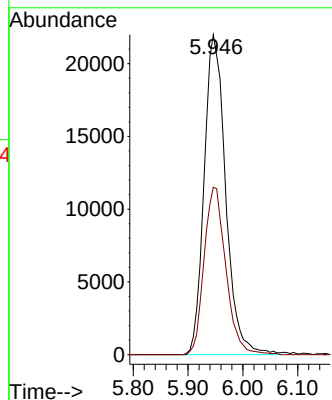
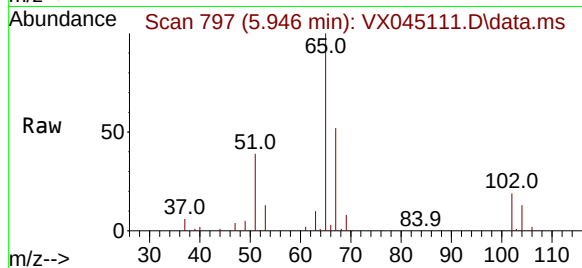
IDW-AQ-DRUM-614-022825

Tgt Ion: 65 Resp: 59936

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX045111.D

Acq: 03 Mar 2025 14:31

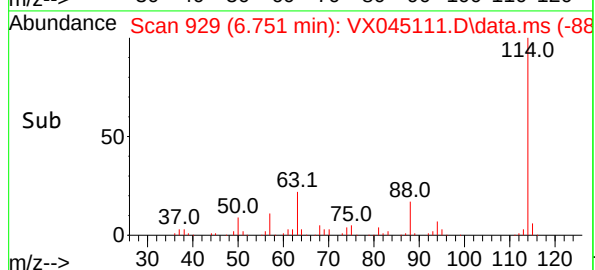
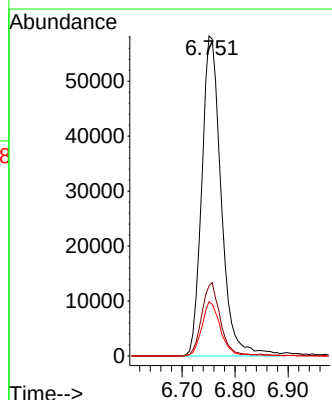
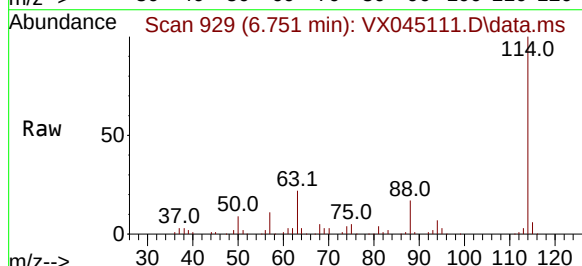
Tgt Ion: 114 Resp: 147850

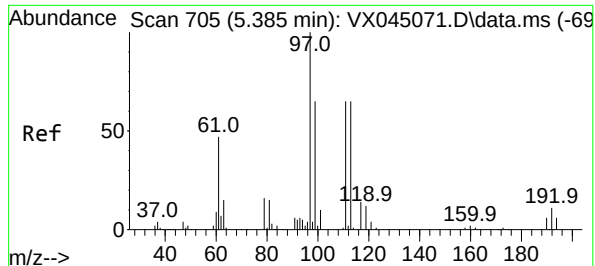
Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.8

88 16.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.097 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX045111.D

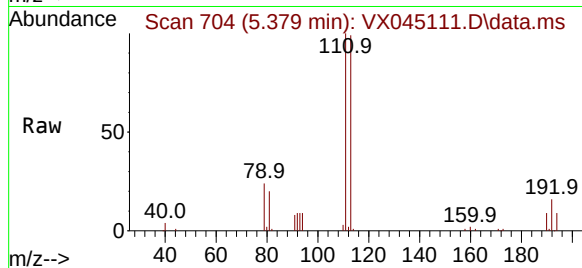
Acq: 03 Mar 2025 14:31

Instrument :

MSVOA_X

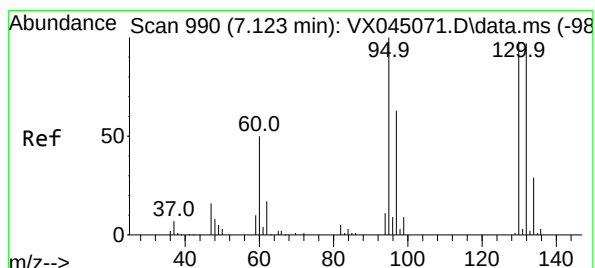
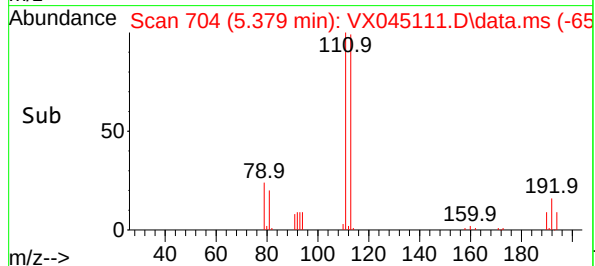
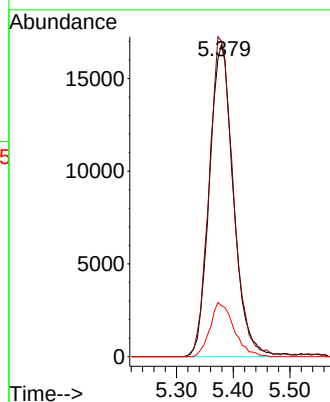
ClientSampleId :

IDW-AQ-DRUM-614-022825



Tgt Ion:113 Resp: 49528

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.6
192	17.3	14.3	21.5



#44

Trichloroethene

Concen: 304.139 ug/l

RT: 7.117 min Scan# 989

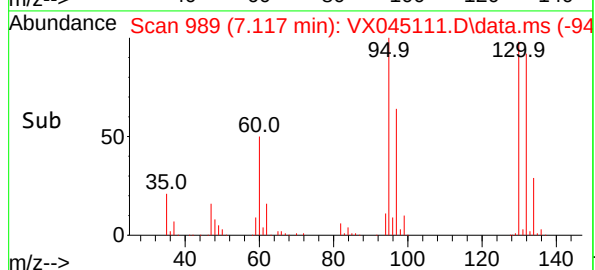
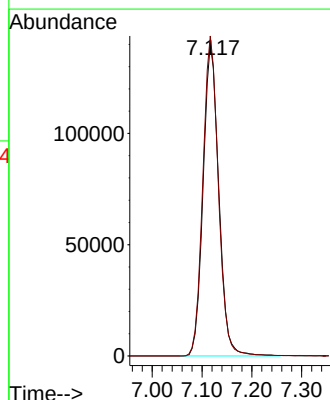
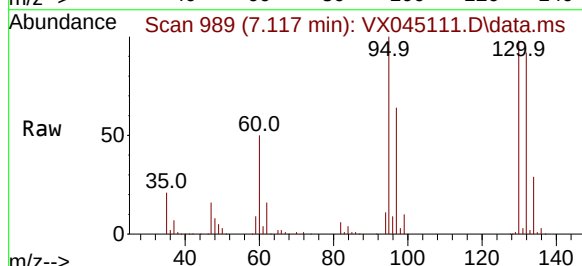
Delta R.T. -0.006 min

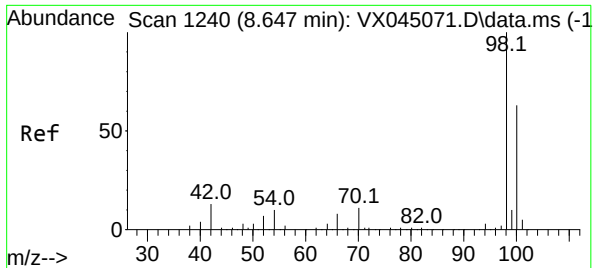
Lab File: VX045111.D

Acq: 03 Mar 2025 14:31

Tgt Ion:130 Resp: 305750

Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	205.0





#50

Toluene-d8

Concen: 50.164 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045111.D

Acq: 03 Mar 2025 14:31

Instrument :

MSVOA_X

ClientSampleId :

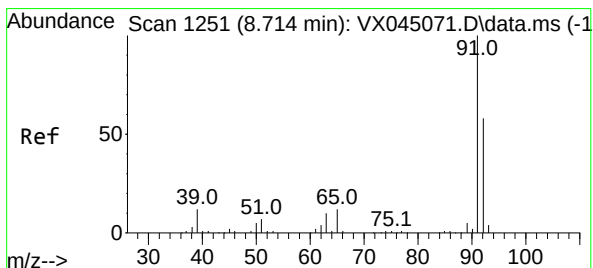
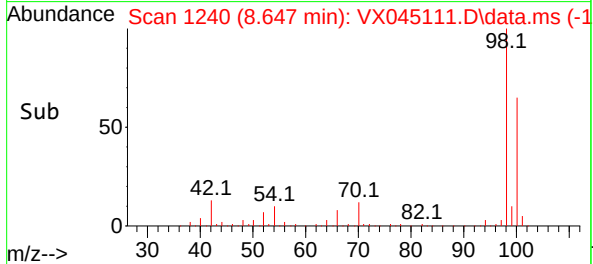
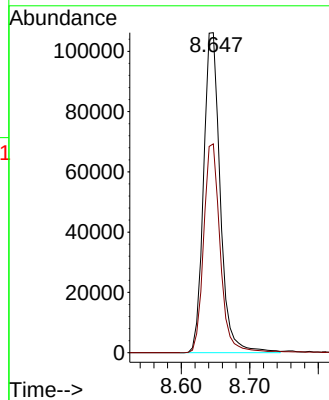
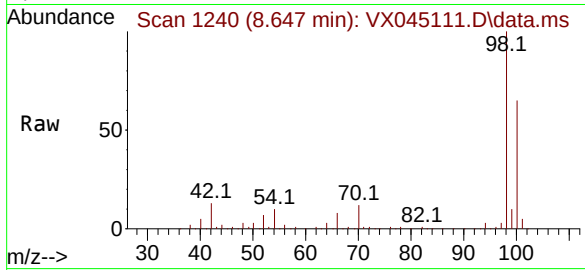
IDW-AQ-DRUM-614-022825

Tgt Ion: 98 Resp: 179795

Ion Ratio Lower Upper

98 100

100 65.4 52.0 78.0



#52

Toluene

Concen: 1.755 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX045111.D

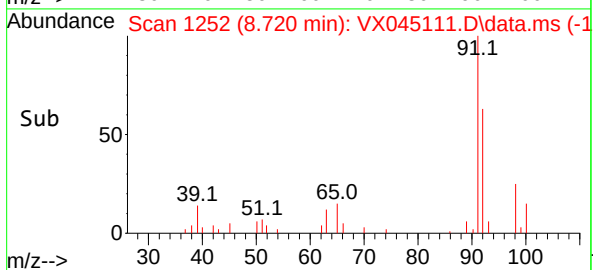
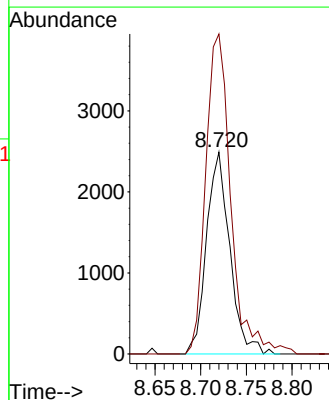
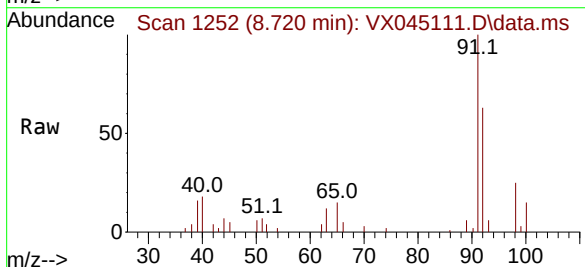
Acq: 03 Mar 2025 14:31

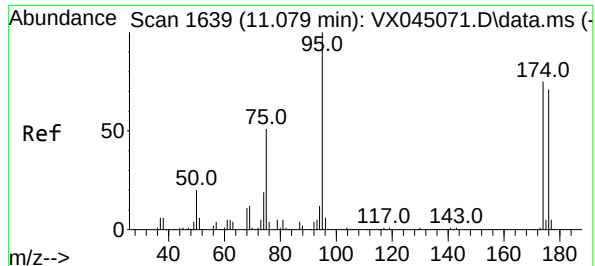
Tgt Ion: 92 Resp: 4408

Ion Ratio Lower Upper

92 100

91 170.9 138.9 208.3





#62

4-Bromofluorobenzene

Concen: 54.197 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045111.D

Acq: 03 Mar 2025 14:31

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-614-022825

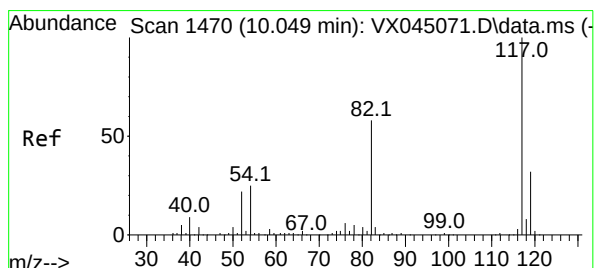
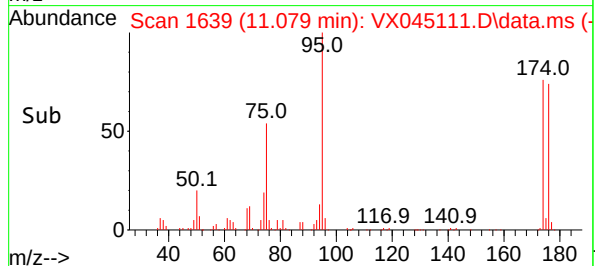
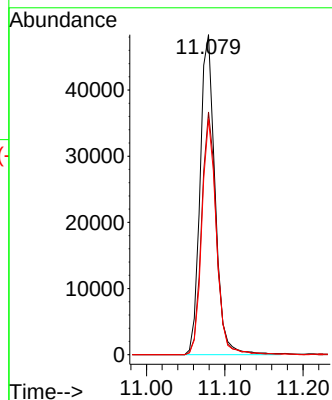
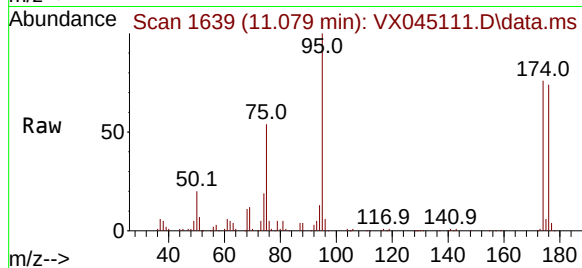
Tgt Ion: 95 Resp: 64369

Ion Ratio Lower Upper

95 100

174 74.6 0.0 148.2

176 71.5 0.0 141.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX045111.D

Acq: 03 Mar 2025 14:31

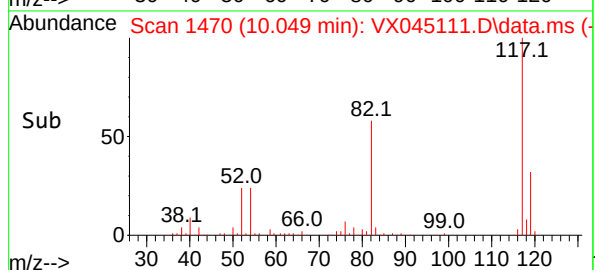
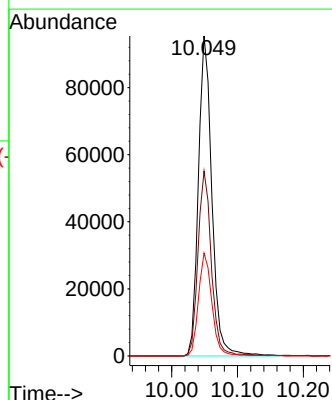
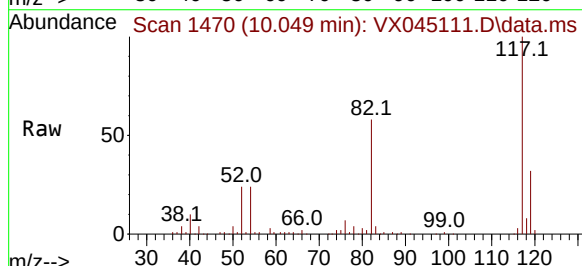
Tgt Ion: 117 Resp: 135587

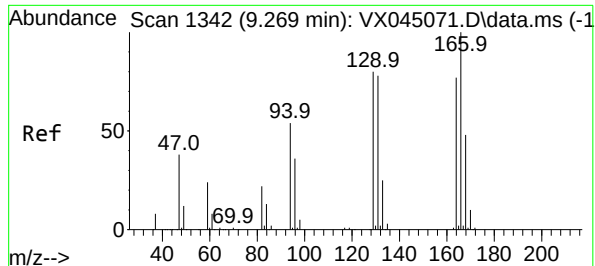
Ion Ratio Lower Upper

117 100

82 57.8 46.3 69.5

119 32.1 25.7 38.5





#64

Tetrachloroethene

Concen: 8.192 ug/l

RT: 9.269 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045111.D

Acq: 03 Mar 2025 14:31

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-614-022825

Tgt Ion:164 Resp: 7114

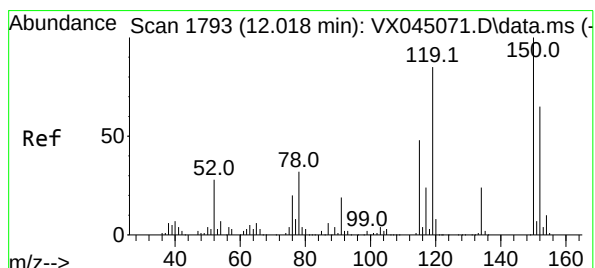
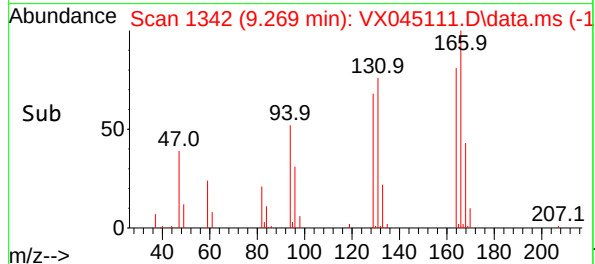
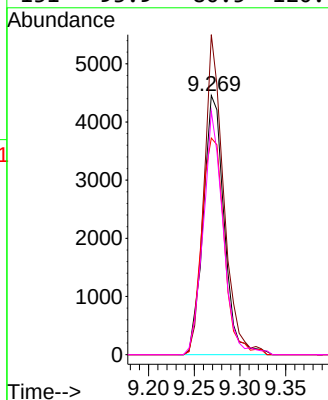
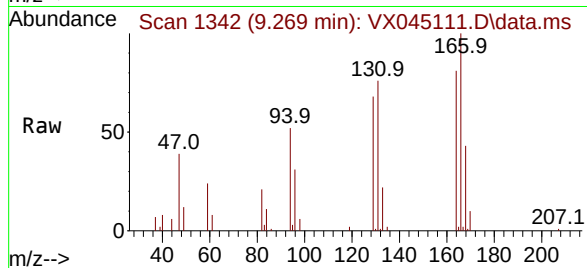
Ion Ratio Lower Upper

164 100

166 123.4 103.6 155.4

129 83.5 82.7 124.1

131 93.9 80.5 120.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX045111.D

Acq: 03 Mar 2025 14:31

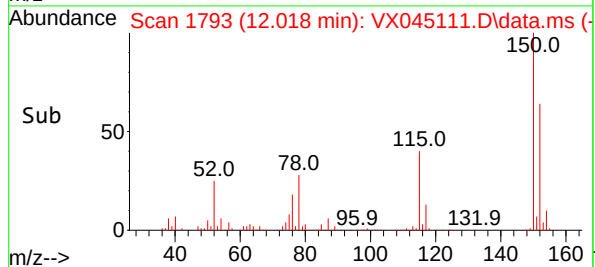
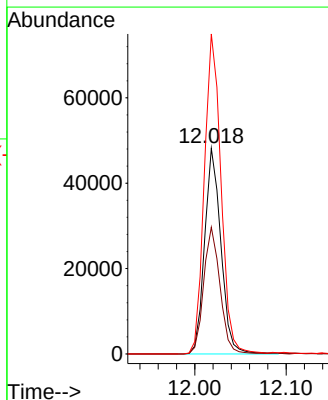
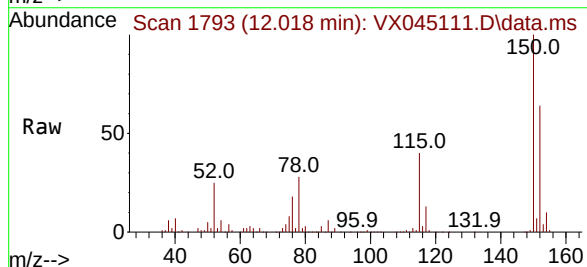
Tgt Ion:152 Resp: 59630

Ion Ratio Lower Upper

152 100

115 61.7 44.2 132.6

150 158.9 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
 Data File : VX045111.D
 Acq On : 03 Mar 2025 14:31
 Operator : JC/MD
 Sample : Q1478-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-AQ-DRUM-614-022825

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\82X022825W.M

Title : SW846 8260

Signal : TIC: VX045111.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.319	195	202	208	rBV2	23541	44552	2.43%	0.886%
2	2.380	208	212	222	rVB	22257	36455	1.99%	0.725%
3	4.483	546	557	574	rBV	157861	429791	23.46%	8.545%
4	5.001	632	642	663	rBV2	20693	73809	4.03%	1.467%
5	5.379	693	704	720	rBV	55898	165617	9.04%	3.293%
6	5.544	721	731	751	rBV2	78789	226175	12.35%	4.497%
7	5.946	786	797	812	rBV	62251	172704	9.43%	3.434%
8	6.751	920	929	943	rBV	140442	349157	19.06%	6.942%
9	7.117	979	989	1011	rBV	843668	1831746	100.00%	36.419%
10	8.641	1233	1239	1248	rBV	288535	483082	26.37%	9.605%
11	8.714	1248	1251	1258	rVB	11746	20856	1.14%	0.415%
12	9.269	1336	1342	1349	rBV2	34652	53830	2.94%	1.070%
13	10.049	1465	1470	1489	rBV	308805	438472	23.94%	8.718%
14	11.079	1634	1639	1650	rBV	242016	316209	17.26%	6.287%
15	12.018	1788	1793	1803	rBV	307561	387196	21.14%	7.698%

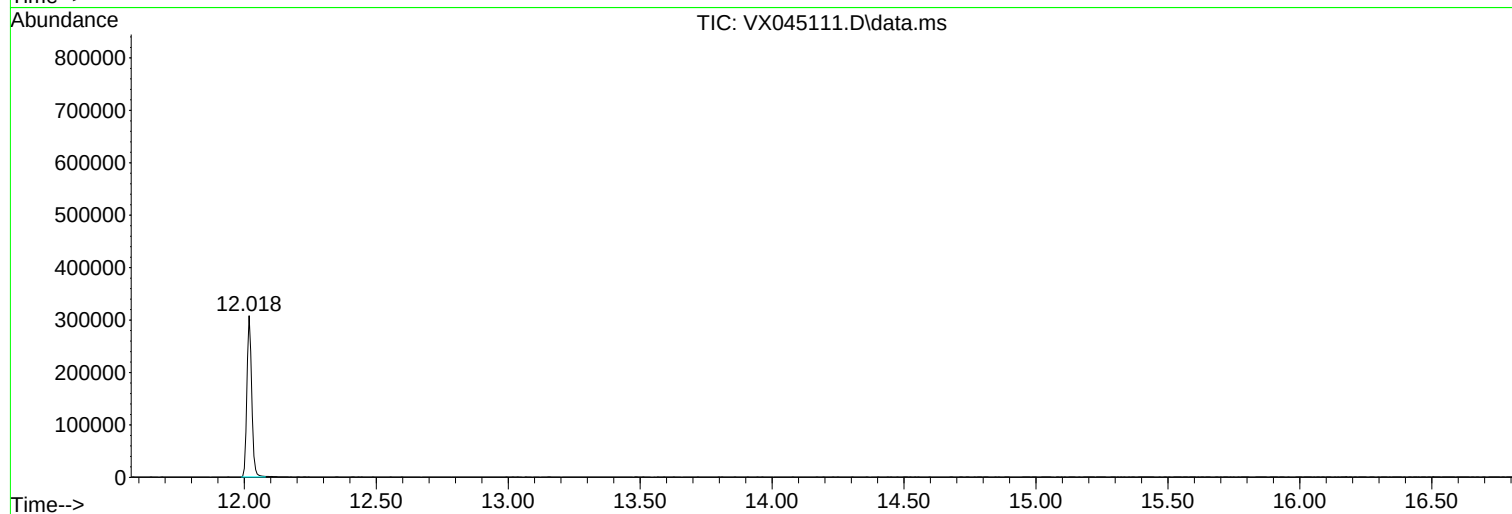
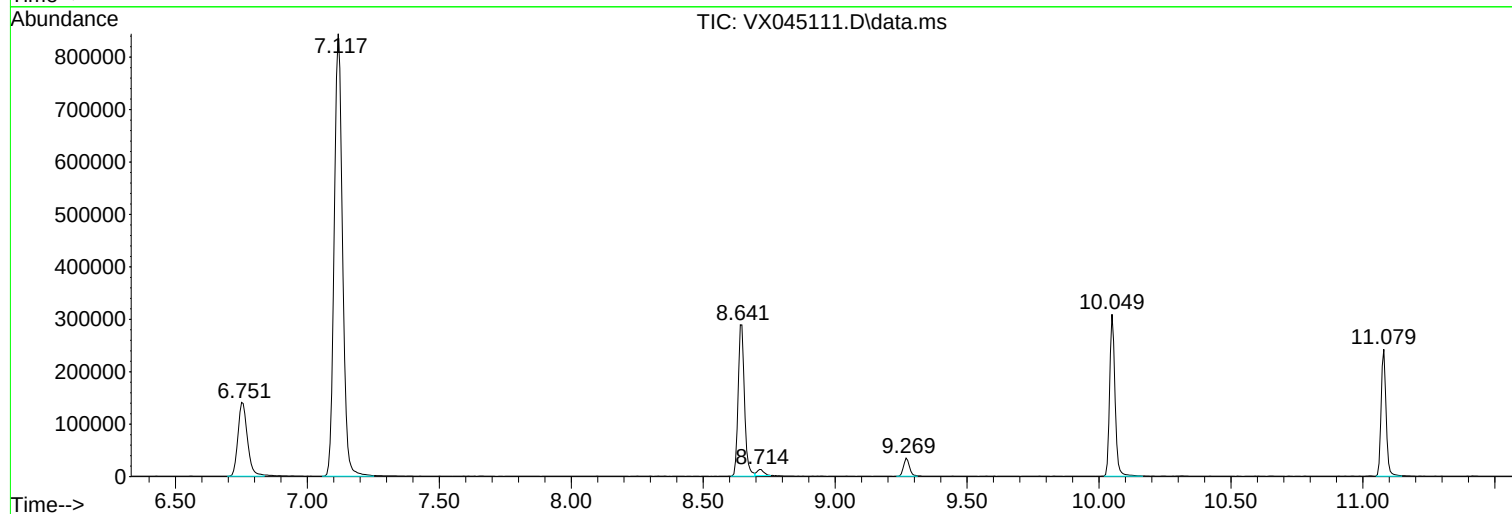
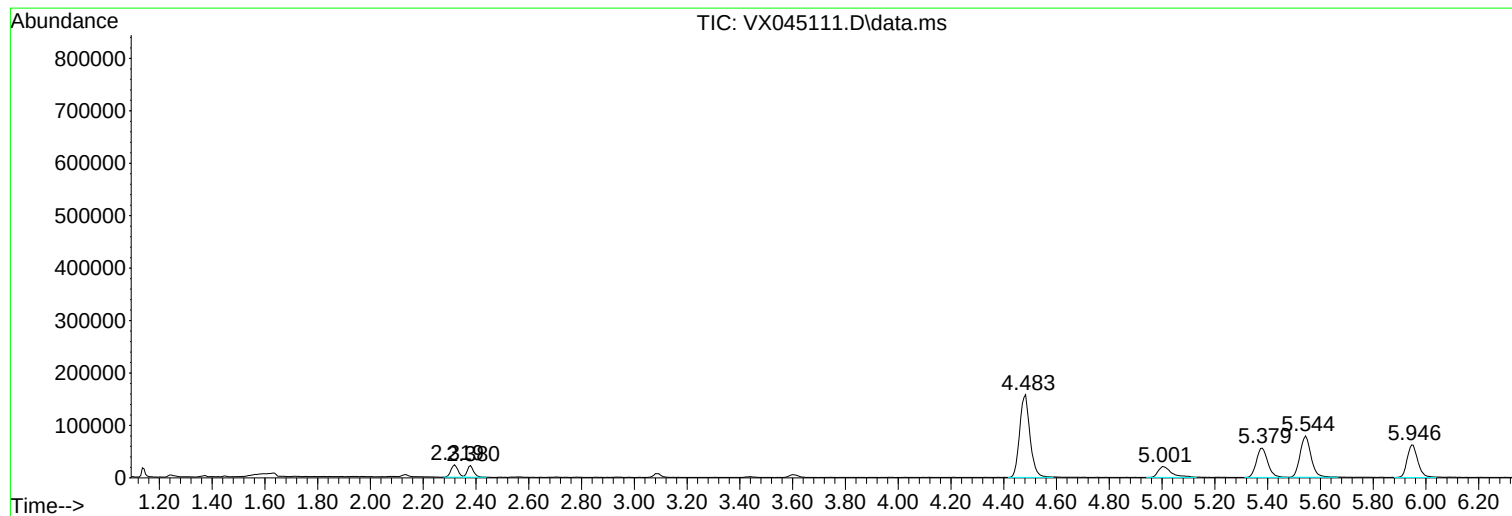
Sum of corrected areas: 5029651

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
Data File : VX045111.D
Acq On : 03 Mar 2025 14:31
Operator : JC/MD
Sample : Q1478-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-614-022825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
Data File : VX045111.D
Acq On : 03 Mar 2025 14:31
Operator : JC/MD
Sample : Q1478-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-614-022825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.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\VX030325\
Data File : VX045111.D
Acq On : 03 Mar 2025 14:31
Operator : JC/MD
Sample : Q1478-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-614-022825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-AQ-DRUM-614-022825DL	SDG No.:	Q1478
Lab Sample ID:	Q1478-06DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045137.D	10		03/05/25 13:13	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	2.10	UD	2.10	10.0	ug/L
74-87-3	Chloromethane	3.50	UD	3.50	10.0	ug/L
75-01-4	Vinyl Chloride	3.40	UD	3.40	10.0	ug/L
74-83-9	Bromomethane	13.6	UD	13.6	50.0	ug/L
75-00-3	Chloroethane	5.60	UD	5.60	10.0	ug/L
75-69-4	Trichlorofluoromethane	3.40	UD	3.40	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	9.30	JD	2.50	10.0	ug/L
75-35-4	1,1-Dichloroethene	3.50	JD	2.60	10.0	ug/L
67-64-1	Acetone	59.4	D	13.9	50.0	ug/L
75-15-0	Carbon Disulfide	3.20	UD	3.20	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	1.60	UD	1.60	10.0	ug/L
79-20-9	Methyl Acetate	6.00	UD	6.00	10.0	ug/L
75-09-2	Methylene Chloride	3.20	UD	3.20	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	3.30	JD	2.50	10.0	ug/L
75-34-3	1,1-Dichloroethane	2.30	UD	2.30	10.0	ug/L
110-82-7	Cyclohexane	16.2	UD	16.2	50.0	ug/L
78-93-3	2-Butanone	13.0	UD	13.0	50.0	ug/L
56-23-5	Carbon Tetrachloride	2.50	UD	2.50	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	96.4	D	2.50	10.0	ug/L
74-97-5	Bromochloromethane	1.80	UD	1.80	10.0	ug/L
67-66-3	Chloroform	2.60	UD	2.60	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	1.90	UD	1.90	10.0	ug/L
108-87-2	Methylcyclohexane	1.90	UD	1.90	10.0	ug/L
71-43-2	Benzene	1.60	UD	1.60	10.0	ug/L
107-06-2	1,2-Dichloroethane	2.40	UD	2.40	10.0	ug/L
79-01-6	Trichloroethene	320	D	3.20	10.0	ug/L
78-87-5	1,2-Dichloropropane	1.90	UD	1.90	10.0	ug/L
75-27-4	Bromodichloromethane	2.40	UD	2.40	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	7.50	UD	7.50	50.0	ug/L
108-88-3	Toluene	1.80	UD	1.80	10.0	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-AQ-DRUM-614-022825DL	SDG No.:	Q1478
Lab Sample ID:	Q1478-06DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045137.D	10		03/05/25 13:13	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	2.10	UD	2.10	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.80	UD	1.80	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	2.10	UD	2.10	10.0	ug/L
591-78-6	2-Hexanone	11.3	UD	11.3	50.0	ug/L
124-48-1	Dibromochloromethane	1.80	UD	1.80	10.0	ug/L
106-93-4	1,2-Dibromoethane	1.60	UD	1.60	10.0	ug/L
127-18-4	Tetrachloroethene	7.70	JD	2.50	10.0	ug/L
108-90-7	Chlorobenzene	1.30	UD	1.30	10.0	ug/L
100-41-4	Ethyl Benzene	1.60	UD	1.60	10.0	ug/L
179601-23-1	m/p-Xylenes	3.10	UD	3.10	20.0	ug/L
95-47-6	o-Xylene	1.40	UD	1.40	10.0	ug/L
100-42-5	Styrene	1.60	UD	1.60	10.0	ug/L
75-25-2	Bromoform	2.10	UD	2.10	10.0	ug/L
98-82-8	Isopropylbenzene	1.30	UD	1.30	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.70	UD	2.70	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	2.40	UD	2.40	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	2.70	UD	2.70	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	1.90	UD	1.90	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	4.60	UD	4.60	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	4.20	UD	4.20	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.10	UD	5.10	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.2		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	50.5		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	73800	5.55			
540-36-3	1,4-Difluorobenzene	147000	6.757			
3114-55-4	Chlorobenzene-d5	131000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	49500	12.018			

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-AQ-DRUM-614-022825DL	SDG No.:	Q1478
Lab Sample ID:	Q1478-06DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045137.D	10		03/05/25 13:13	VX030525

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\VX030525\
 Data File : VX045137.D
 Acq On : 05 Mar 2025 13:13
 Operator : JC/MD
 Sample : Q1478-06DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-AQ-DRUM-614-022825DL

Quant Time: Mar 06 01:04:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

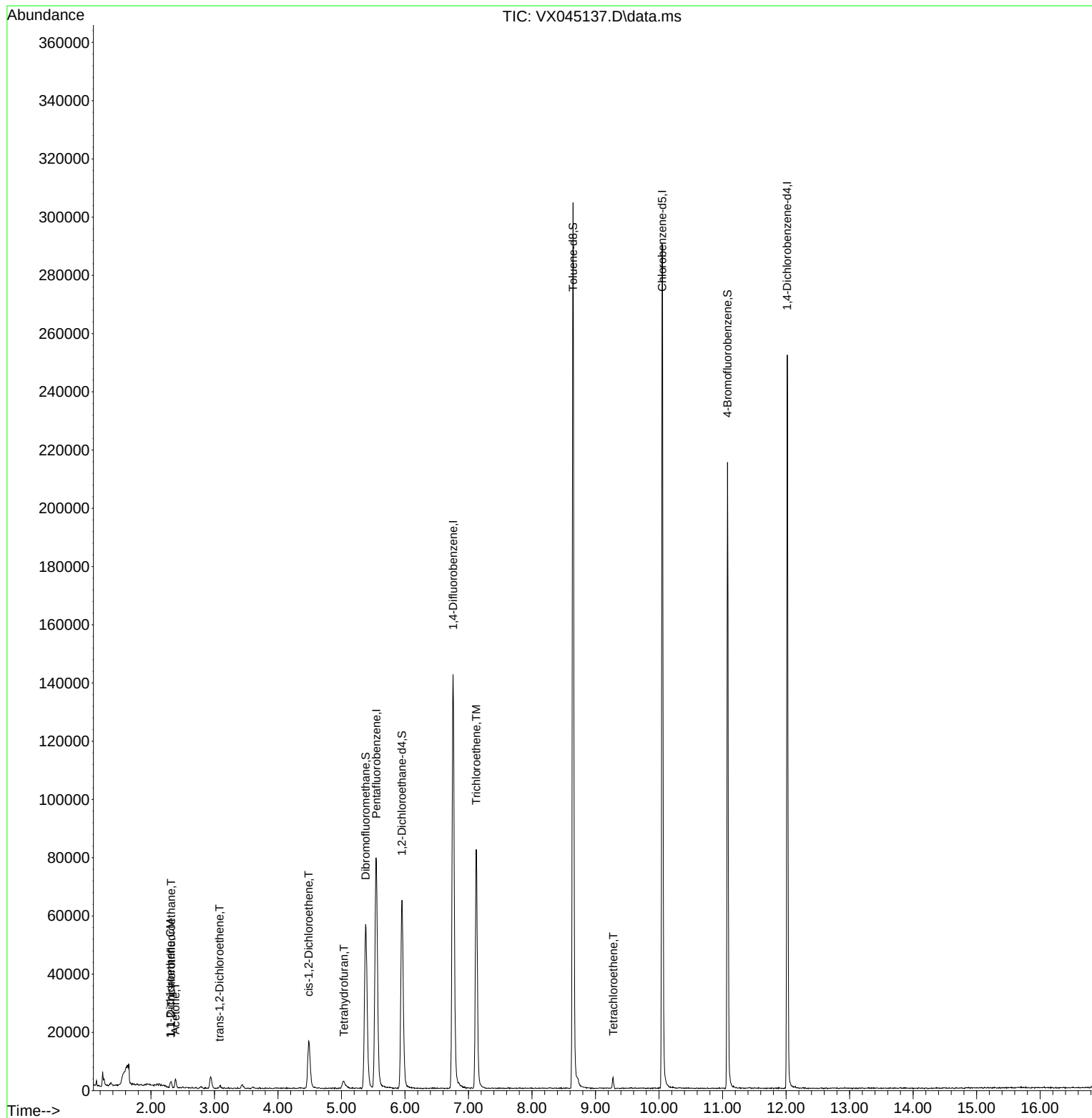
Internal Standards						
1) Pentafluorobenzene	5.550	168	73767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	147372	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	131471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61264	52.212	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.420%	
35) Dibromofluoromethane	5.379	113	50279	51.022	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.040%	
50) Toluene-d8	8.647	98	180524	50.531	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.060%	
62) 4-Bromofluorobenzene	11.079	95	58413	49.342	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.680%	
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.319	101	798	0.931	ug/l	88
12) 1,1-Dichloroethene	2.306	96	314	0.346	ug/l #	75
16) Acetone	2.386	43	3234	5.940	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	294	0.328	ug/l #	73
27) cis-1,2-Dichloroethene	4.483	96	10658	9.641	ug/l	91
29) Tetrahydrofuran	5.038	42	2803	5.093	ug/l #	71
44) Trichloroethene	7.123	130	32140	32.074	ug/l	94
64) Tetrachloroethene	9.281	164	646	0.767	ug/l #	75

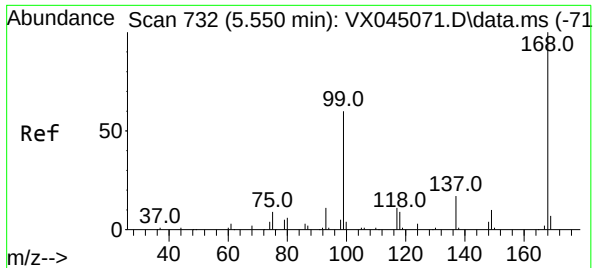
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045137.D
Acq On : 05 Mar 2025 13:13
Operator : JC/MD
Sample : Q1478-06DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-614-022825DL

Quant Time: Mar 06 01:04:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

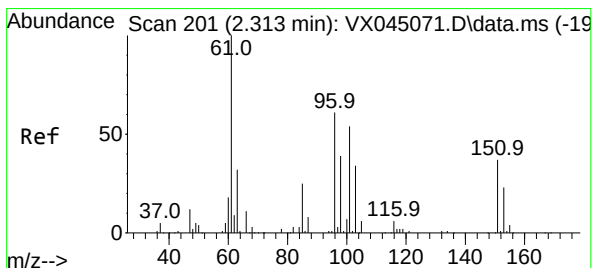
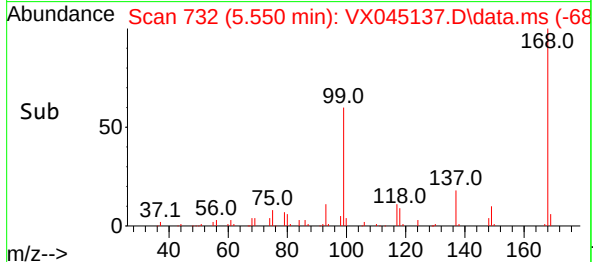
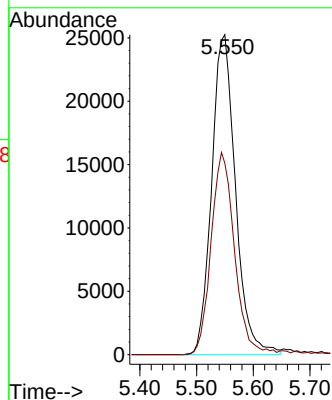
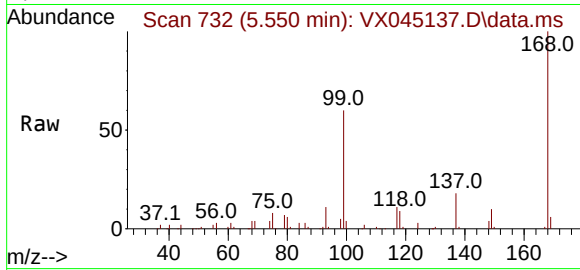




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045137.D
Acq: 05 Mar 2025 13:13

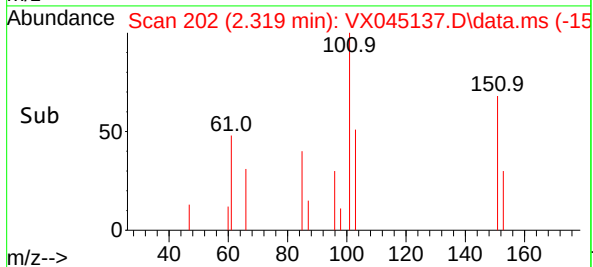
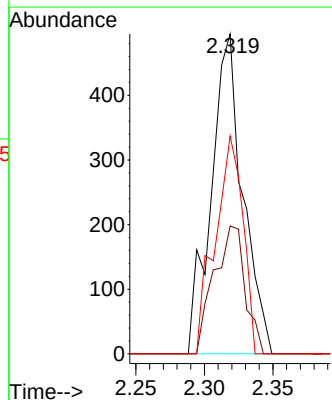
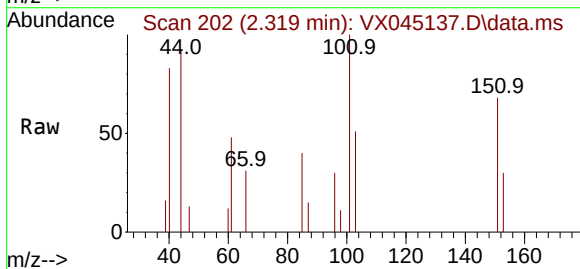
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-614-022825DL

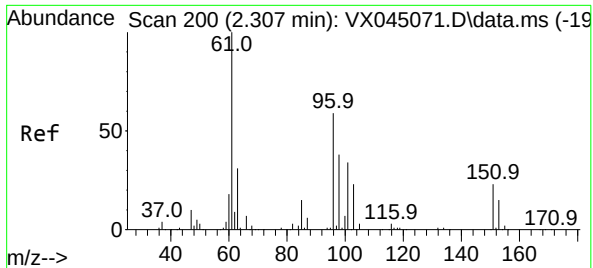
Tgt Ion:168 Resp: 73767
Ion Ratio Lower Upper
168 100
99 59.8 48.2 72.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.931 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045137.D
Acq: 05 Mar 2025 13:13

Tgt Ion:101 Resp: 798
Ion Ratio Lower Upper
101 100
85 39.1 36.2 54.4
151 59.8 56.4 84.6





#12

1,1-Dichloroethene

Concen: 0.346 ug/l

RT: 2.306 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX045137.D

Acq: 05 Mar 2025 13:13

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-614-022825DL

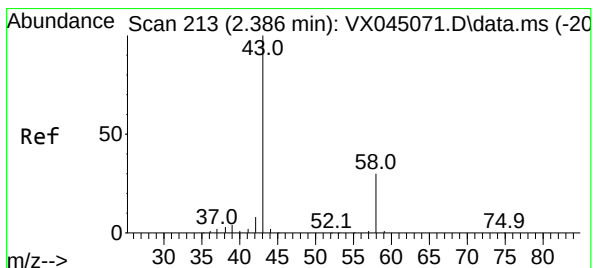
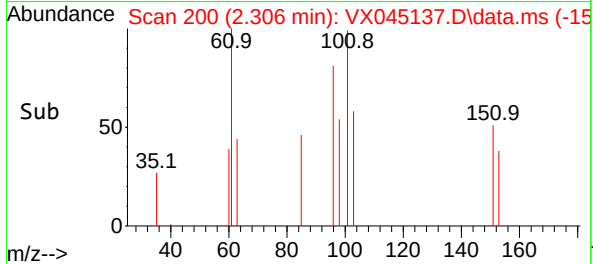
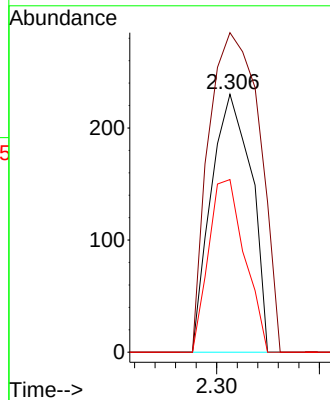
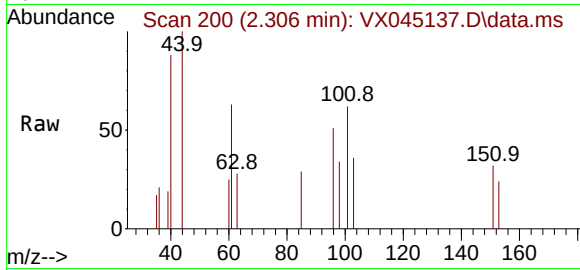
Tgt Ion: 96 Resp: 314

Ion Ratio Lower Upper

96 100

61 123.9 134.6 202.0#

98 67.0 51.0 76.6



#16

Acetone

Concen: 5.940 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX045137.D

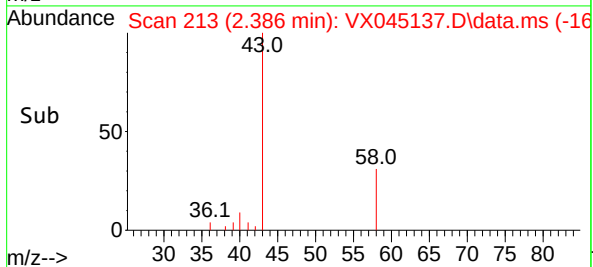
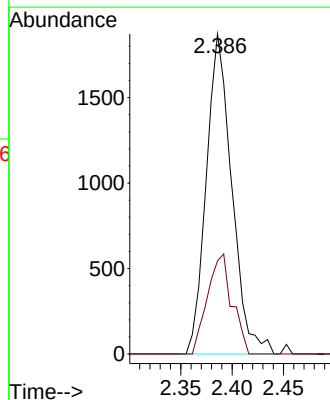
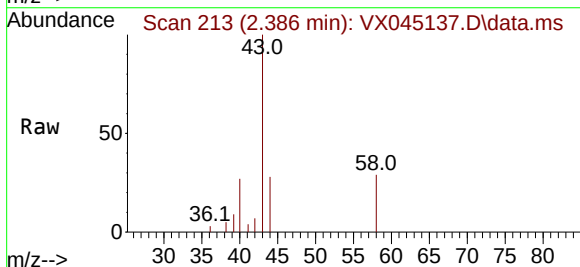
Acq: 05 Mar 2025 13:13

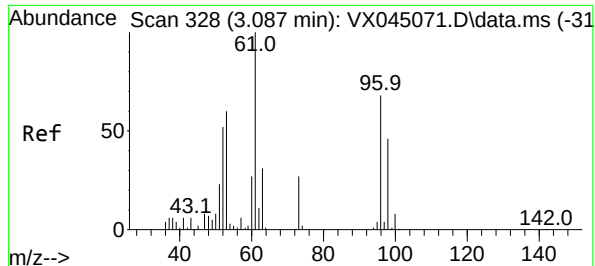
Tgt Ion: 43 Resp: 3234

Ion Ratio Lower Upper

43 100

58 29.1 24.2 36.4





#21

trans-1,2-Dichloroethene

Concen: 0.328 ug/l

RT: 3.081 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX045137.D

Acq: 05 Mar 2025 13:13

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-614-022825DL

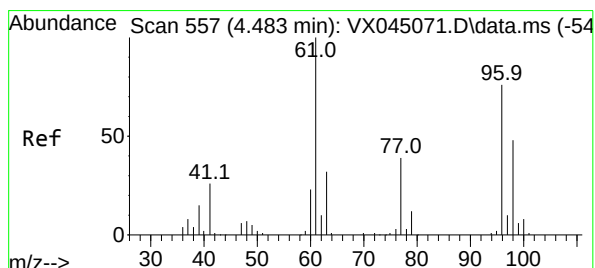
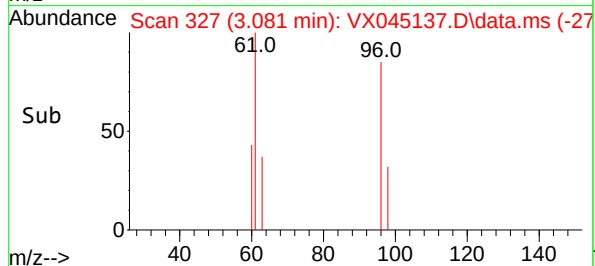
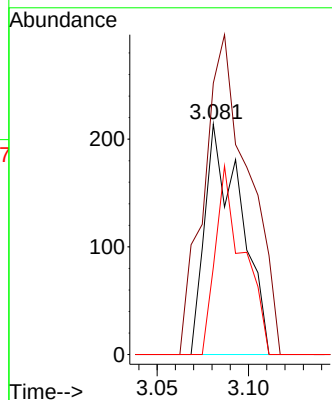
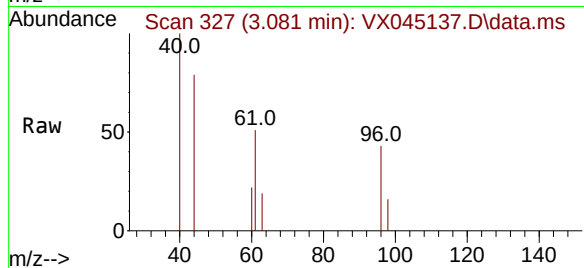
Tgt Ion: 96 Resp: 294

Ion Ratio Lower Upper

96 100

61 117.8 117.0 175.4

98 37.9 53.4 80.2#



#27

cis-1,2-Dichloroethene

Concen: 9.641 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.000 min

Lab File: VX045137.D

Acq: 05 Mar 2025 13:13

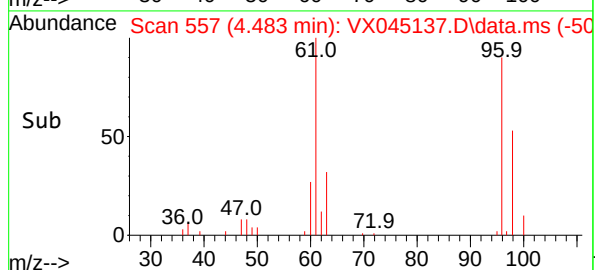
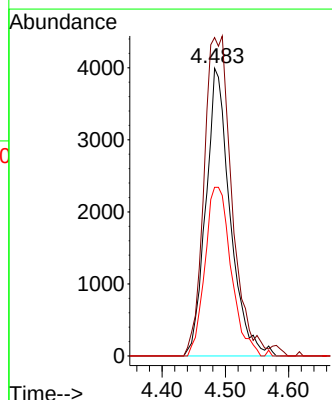
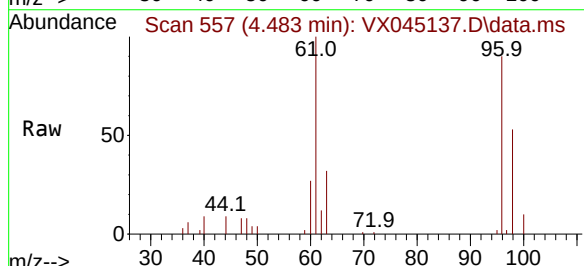
Tgt Ion: 96 Resp: 10658

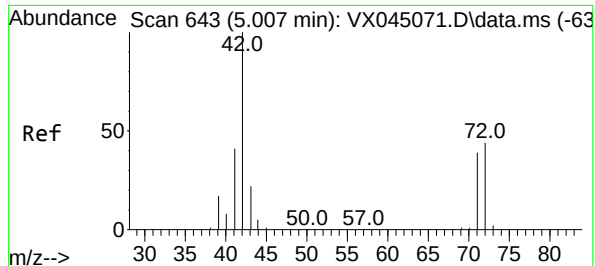
Ion Ratio Lower Upper

96 100

61 127.1 0.0 283.2

98 63.1 0.0 128.0





#29

Tetrahydrofuran

Concen: 5.093 ug/l

RT: 5.038 min Scan# 643

Delta R.T. 0.030 min

Lab File: VX045137.D

Acq: 05 Mar 2025 13:13

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-614-022825DL

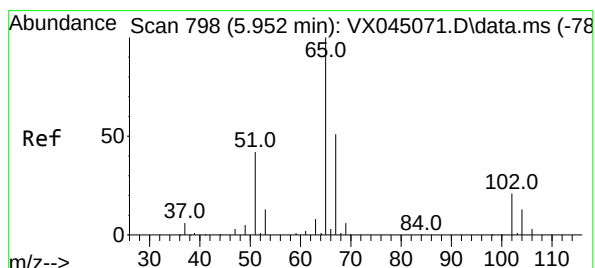
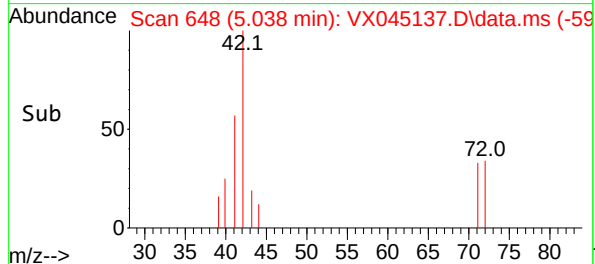
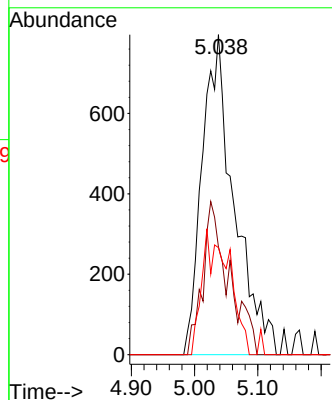
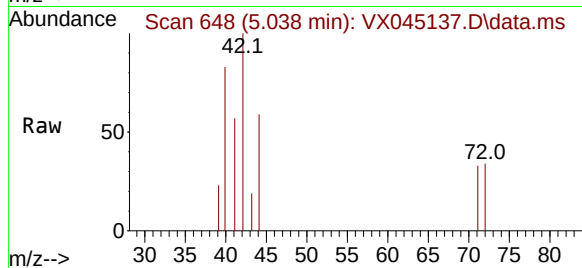
Tgt Ion: 42 Resp: 2803

Ion Ratio Lower Upper

42 100

72 33.6 34.1 51.1#

71 12.1 31.4 47.0#



#33

1,2-Dichloroethane-d4

Concen: 52.212 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045137.D

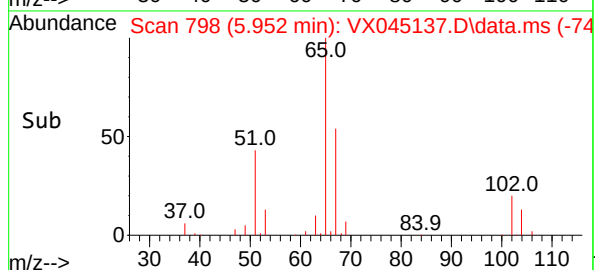
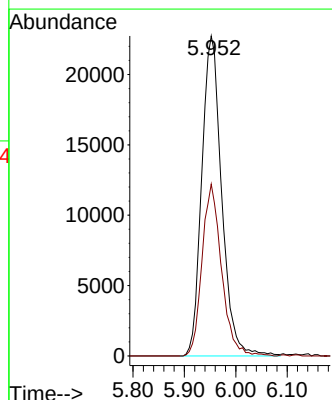
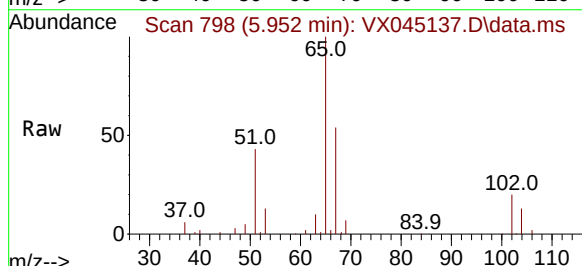
Acq: 05 Mar 2025 13:13

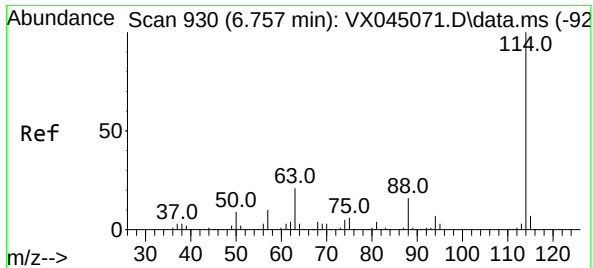
Tgt Ion: 65 Resp: 61264

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.2

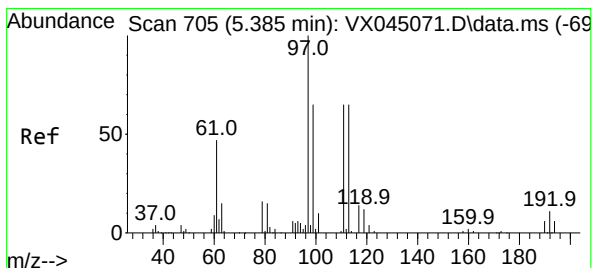
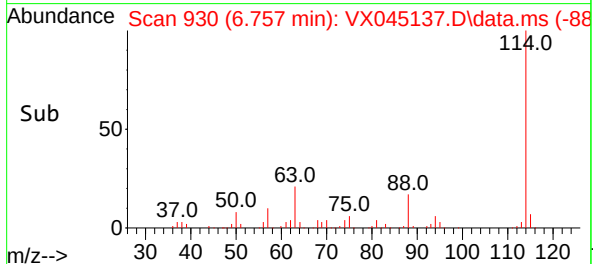
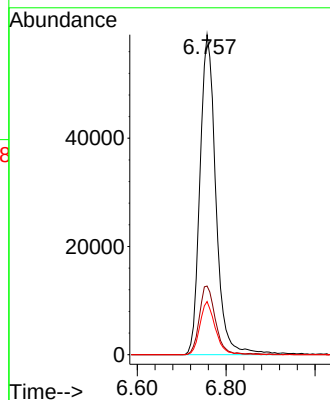
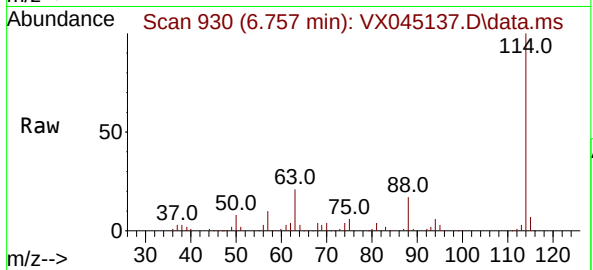




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045137.D
Acq: 05 Mar 2025 13:13

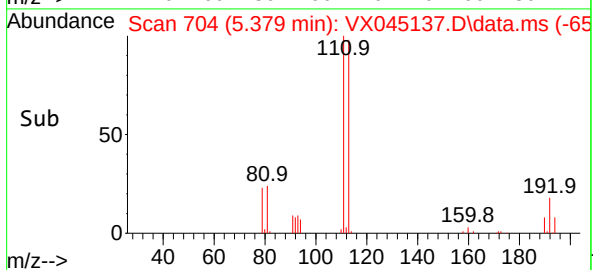
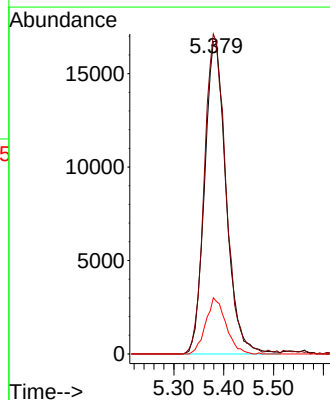
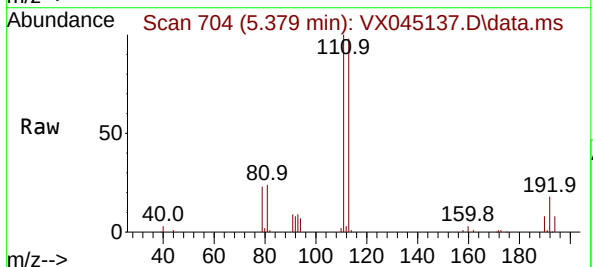
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-614-022825DL

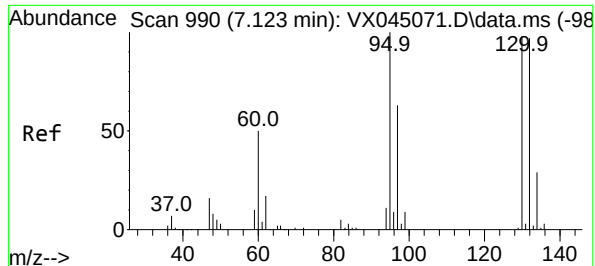
Tgt Ion:114 Resp: 147372
Ion Ratio Lower Upper
114 100
63 21.5 0.0 41.8
88 16.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.022 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045137.D
Acq: 05 Mar 2025 13:13

Tgt Ion:113 Resp: 50279
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.6
192 16.8 14.3 21.5





#44

Trichloroethene

Concen: 32.074 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX045137.D

Acq: 05 Mar 2025 13:13

Instrument :

MSVOA_X

ClientSampleId :

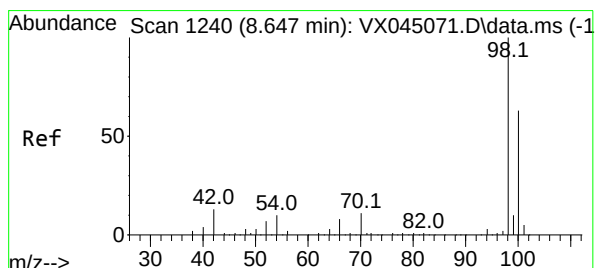
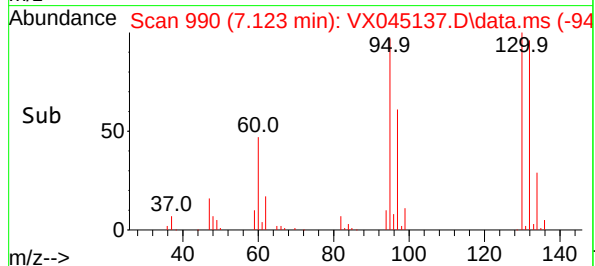
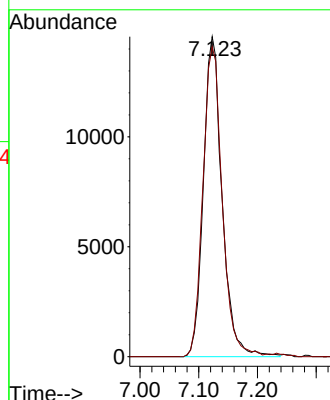
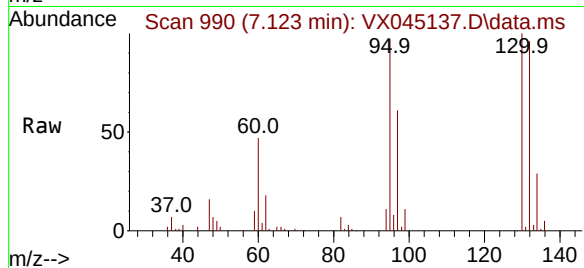
IDW-AQ-DRUM-614-022825DL

Tgt Ion:130 Resp: 32140

Ion Ratio Lower Upper

130 100

95 96.8 0.0 205.0



#50

Toluene-d8

Concen: 50.531 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045137.D

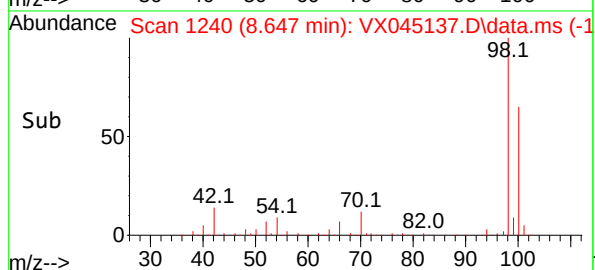
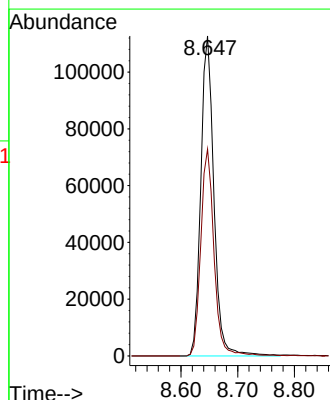
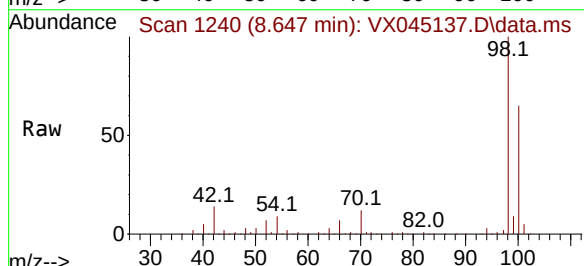
Acq: 05 Mar 2025 13:13

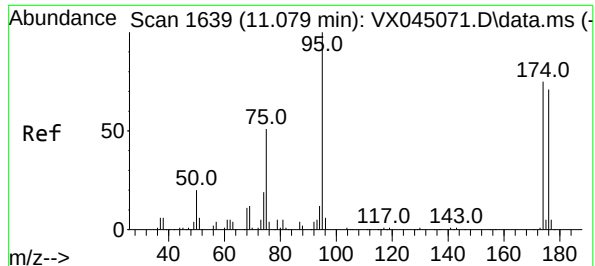
Tgt Ion: 98 Resp: 180524

Ion Ratio Lower Upper

98 100

100 65.5 52.0 78.0

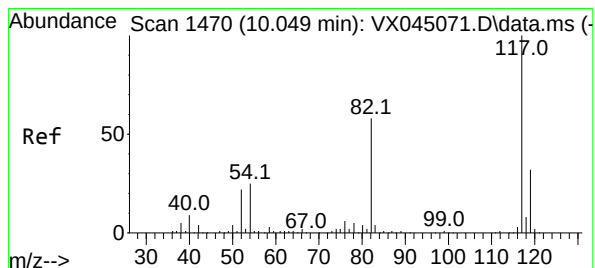
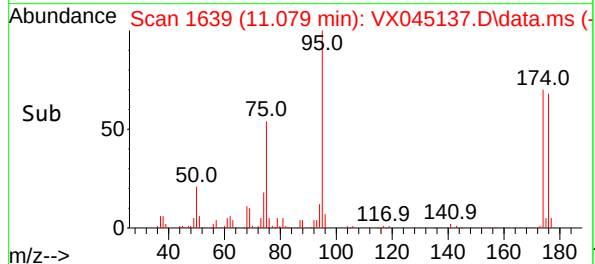
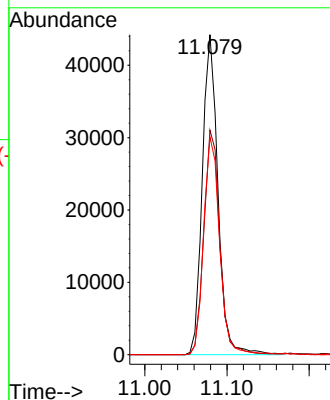
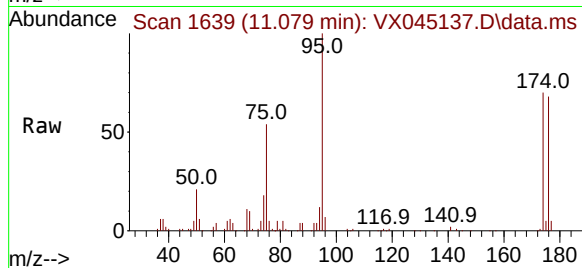




#62
4-Bromofluorobenzene
Concen: 49.342 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045137.D
Acq: 05 Mar 2025 13:13

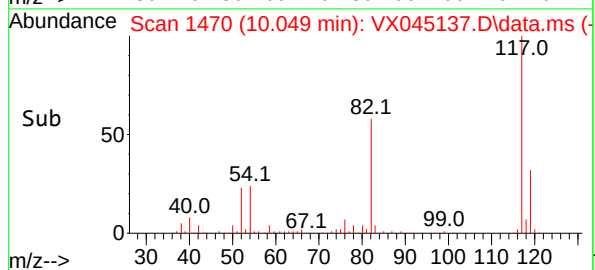
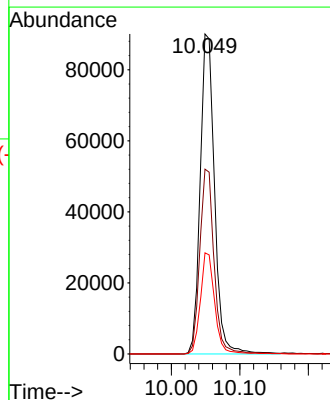
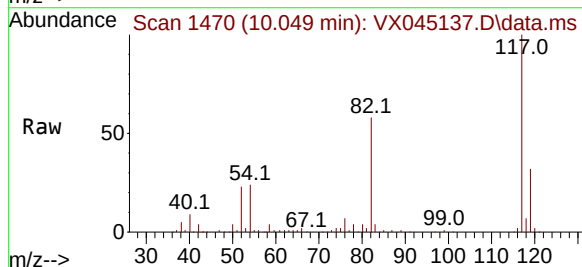
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-614-022825DL

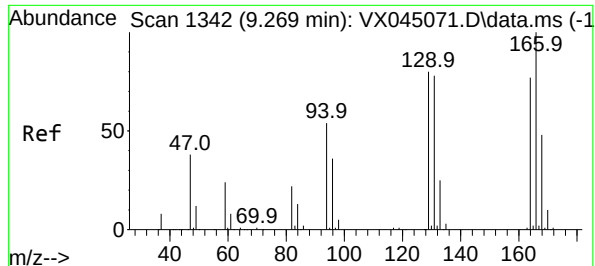
Tgt Ion:	95	Resp:	58413
Ion Ratio	Lower	Upper	
95	100		
174	71.5	0.0	148.2
176	69.8	0.0	141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045137.D
Acq: 05 Mar 2025 13:13

Tgt Ion:	117	Resp:	131471
Ion Ratio	Lower	Upper	
117	100		
82	57.8	46.3	69.5
119	31.6	25.7	38.5





#64

Tetrachloroethene

Concen: 0.767 ug/l

RT: 9.281 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX045137.D

Acq: 05 Mar 2025 13:13

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-614-022825DL

Tgt Ion:164 Resp: 646

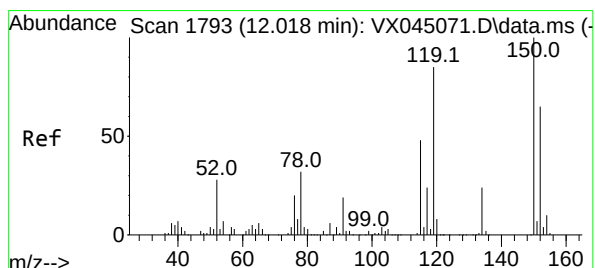
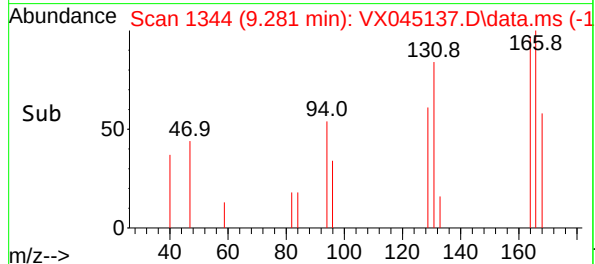
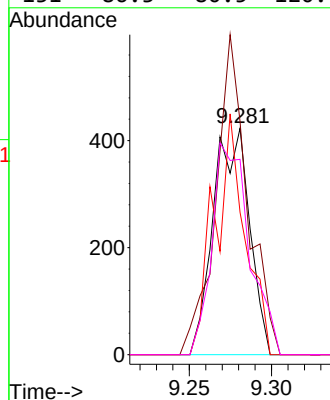
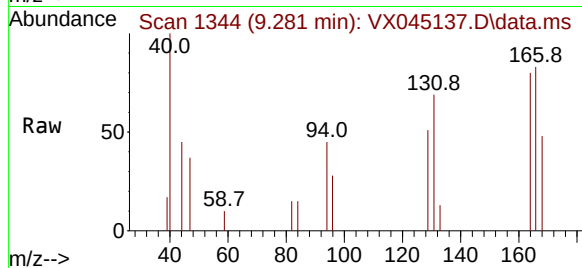
Ion Ratio Lower Upper

164 100

166 103.1 103.6 155.4#

129 62.9 82.7 124.1#

131 86.3 80.5 120.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX045137.D

Acq: 05 Mar 2025 13:13

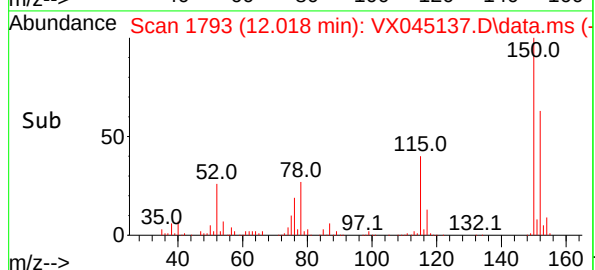
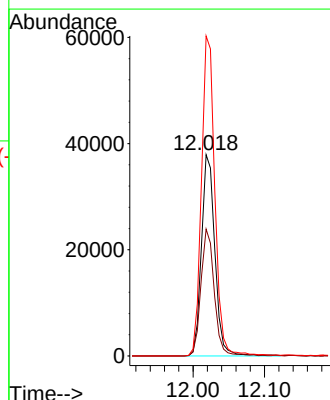
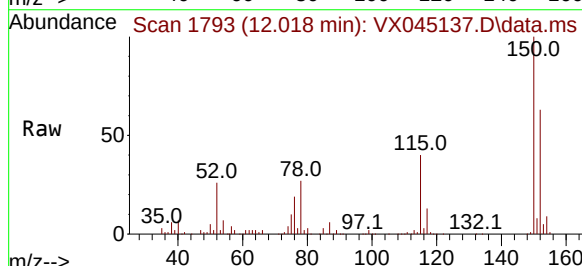
Tgt Ion:152 Resp: 49478

Ion Ratio Lower Upper

152 100

115 62.6 44.2 132.6

150 158.8 0.0 349.0



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-AQ-DRUM-612-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-08	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045145.D	20		03/05/25 16:19	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	4.20	U	4.20	20.0	ug/L
74-87-3	Chloromethane	7.00	U	7.00	20.0	ug/L
75-01-4	Vinyl Chloride	6.80	U	6.80	20.0	ug/L
74-83-9	Bromomethane	27.2	U	27.2	100	ug/L
75-00-3	Chloroethane	11.2	U	11.2	20.0	ug/L
75-69-4	Trichlorofluoromethane	6.80	U	6.80	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	15.8	J	5.00	20.0	ug/L
75-35-4	1,1-Dichloroethene	5.20	U	5.20	20.0	ug/L
67-64-1	Acetone	280		27.8	100	ug/L
75-15-0	Carbon Disulfide	6.40	U	6.40	20.0	ug/L
1634-04-4	Methyl tert-butyl Ether	3.20	U	3.20	20.0	ug/L
79-20-9	Methyl Acetate	12.0	U	12.0	20.0	ug/L
75-09-2	Methylene Chloride	6.40	U	6.40	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	U	5.00	20.0	ug/L
75-34-3	1,1-Dichloroethane	4.60	U	4.60	20.0	ug/L
110-82-7	Cyclohexane	32.4	U	32.4	100	ug/L
78-93-3	2-Butanone	26.0	U	26.0	100	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	5.00	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	120		5.00	20.0	ug/L
74-97-5	Bromochloromethane	3.60	U	3.60	20.0	ug/L
67-66-3	Chloroform	5.20	U	5.20	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	3.80	U	3.80	20.0	ug/L
108-87-2	Methylcyclohexane	3.80	U	3.80	20.0	ug/L
71-43-2	Benzene	3.20	U	3.20	20.0	ug/L
107-06-2	1,2-Dichloroethane	4.80	U	4.80	20.0	ug/L
79-01-6	Trichloroethene	680		6.40	20.0	ug/L
78-87-5	1,2-Dichloropropane	3.80	U	3.80	20.0	ug/L
75-27-4	Bromodichloromethane	4.80	U	4.80	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	15.0	U	15.0	100	ug/L
108-88-3	Toluene	6.20	J	3.60	20.0	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-AQ-DRUM-612-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-08	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045145.D	20		03/05/25 16:19	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	4.20	U	4.20	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	3.60	U	3.60	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	4.20	U	4.20	20.0	ug/L
591-78-6	2-Hexanone	22.6	U	22.6	100	ug/L
124-48-1	Dibromochloromethane	3.60	U	3.60	20.0	ug/L
106-93-4	1,2-Dibromoethane	3.20	U	3.20	20.0	ug/L
127-18-4	Tetrachloroethene	19.5	J	5.00	20.0	ug/L
108-90-7	Chlorobenzene	2.60	U	2.60	20.0	ug/L
100-41-4	Ethyl Benzene	3.20	U	3.20	20.0	ug/L
179601-23-1	m/p-Xylenes	6.20	U	6.20	40.0	ug/L
95-47-6	o-Xylene	2.80	U	2.80	20.0	ug/L
100-42-5	Styrene	3.20	U	3.20	20.0	ug/L
75-25-2	Bromoform	4.20	U	4.20	20.0	ug/L
98-82-8	Isopropylbenzene	2.60	U	2.60	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.40	U	5.40	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	4.80	U	4.80	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.40	U	5.40	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	3.80	U	3.80	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	9.20	U	9.20	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	8.40	U	8.40	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	10.2	U	10.2	20.0	ug/L

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	53.1	70 (74) - 130 (125)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9	70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	51.7	70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.0	70 (77) - 130 (121)	108%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	74500	5.55
540-36-3	1,4-Difluorobenzene	150000	6.757
3114-55-4	Chlorobenzene-d5	140000	10.049
3855-82-1	1,4-Dichlorobenzene-d4	59500	12.018

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	02/28/25
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	02/28/25
Client Sample ID:	IDW-AQ-DRUM-612-022825	SDG No.:	Q1478
Lab Sample ID:	Q1478-08	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045145.D	20		03/05/25 16:19	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
109-99-9	Tetrahydrofuran	230	J		5.02	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
 Data File : VX045145.D
 Acq On : 05 Mar 2025 16:19
 Operator : JC/MD
 Sample : Q1478-08 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-AQ-DRUM-612-022825

Quant Time: Mar 06 01:08:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

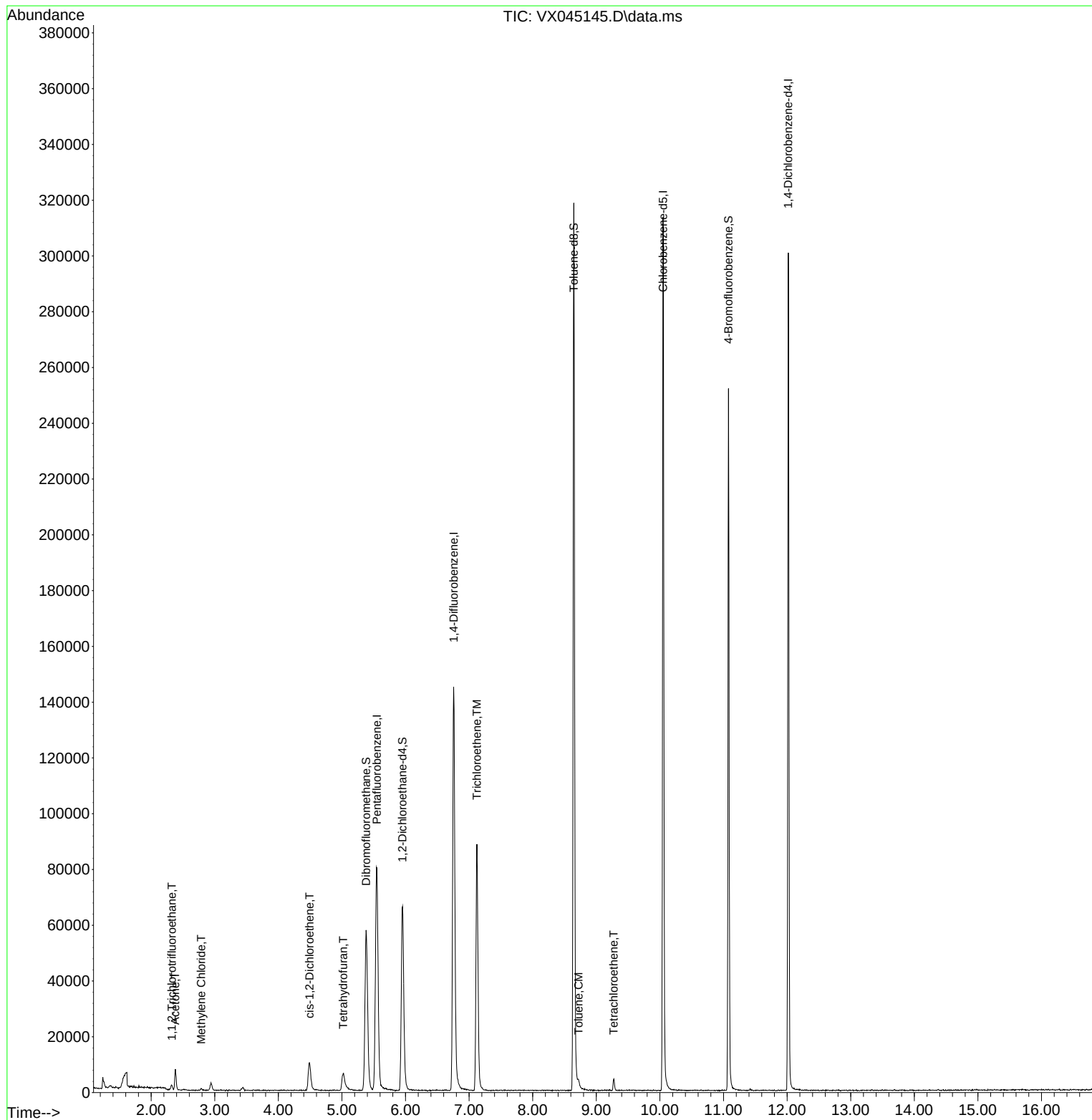
Internal Standards						
1) Pentafluorobenzene	5.550	168	74500	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	149821	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	139770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59528	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62945	53.117	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.240%	
35) Dibromofluoromethane	5.379	113	49989	49.898	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.800%	
50) Toluene-d8	8.647	98	187752	51.695	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.380%	
62) 4-Bromofluorobenzene	11.079	95	65043	54.044	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.080%	
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.325	101	683	0.789	ug/l	95
16) Acetone	2.380	43	7749	14.094	ug/l	93
20) Methylene Chloride	2.788	84	301	0.276	ug/l #	75
27) cis-1,2-Dichloroethene	4.489	96	6839	6.126	ug/l	92
29) Tetrahydrofuran	5.019	42	6390	11.497	ug/l	97
44) Trichloroethene	7.123	130	34661	34.025	ug/l	97
52) Toluene	8.720	92	785	0.308	ug/l	88
64) Tetrachloroethene	9.275	164	873	0.975	ug/l #	86

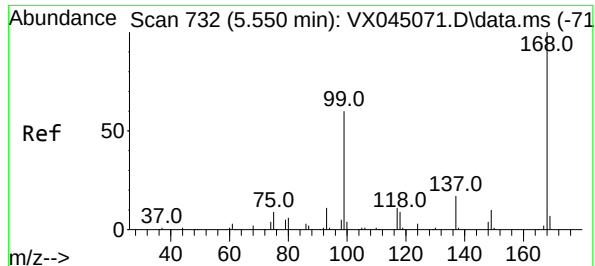
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045145.D
Acq On : 05 Mar 2025 16:19
Operator : JC/MD
Sample : Q1478-08 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-612-022825

Quant Time: Mar 06 01:08:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

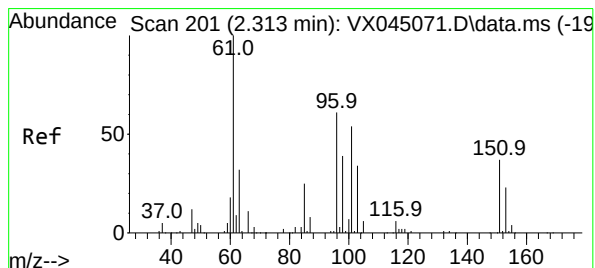
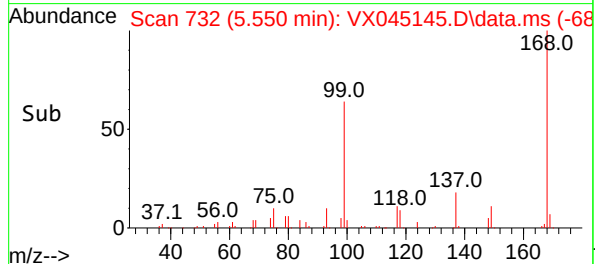
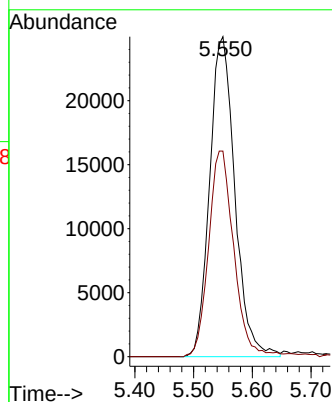
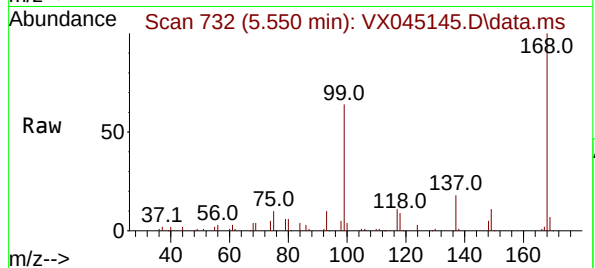




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX045145.D
Acq: 05 Mar 2025 16:19

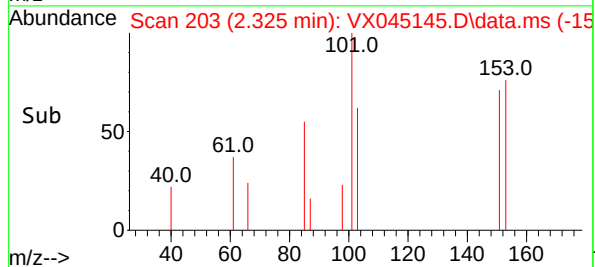
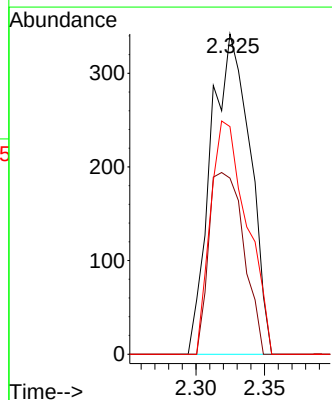
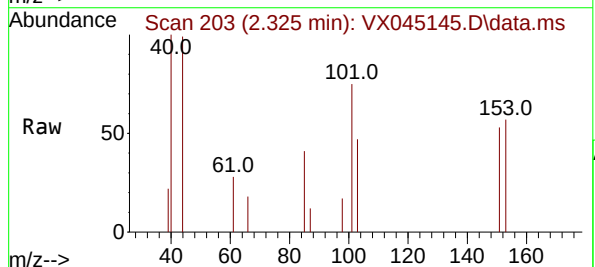
Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-612-022825

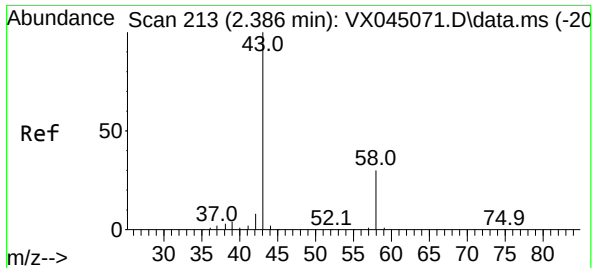
Tgt Ion:168 Resp: 74500
Ion Ratio Lower Upper
168 100
99 64.2 48.2 72.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.789 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.012 min
Lab File: VX045145.D
Acq: 05 Mar 2025 16:19

Tgt Ion:101 Resp: 683
Ion Ratio Lower Upper
101 100
85 50.7 36.2 54.4
151 67.6 56.4 84.6





#16

Acetone

Concen: 14.094 ug/l

RT: 2.380 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX045145.D

Acq: 05 Mar 2025 16:19

Instrument :

MSVOA_X

ClientSampleId :

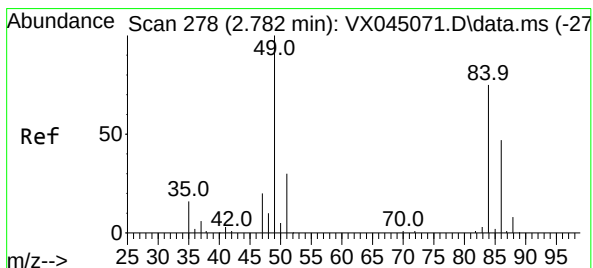
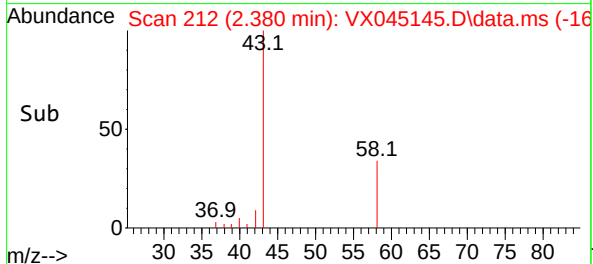
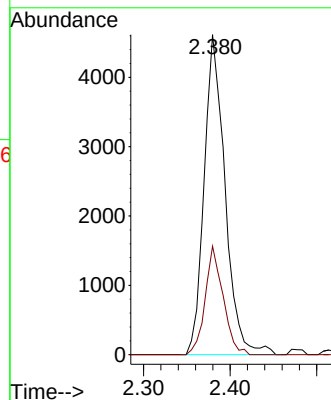
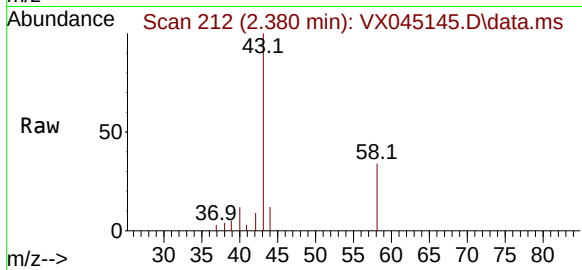
IDW-AQ-DRUM-612-022825

Tgt Ion: 43 Resp: 7749

Ion Ratio Lower Upper

43 100

58 33.9 24.2 36.4



#20

Methylene Chloride

Concen: 0.276 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX045145.D

Acq: 05 Mar 2025 16:19

Tgt Ion: 84 Resp: 301

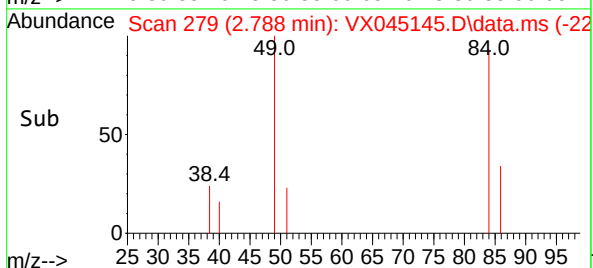
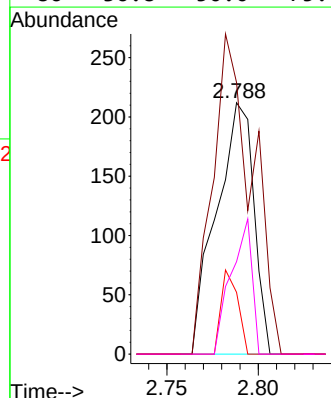
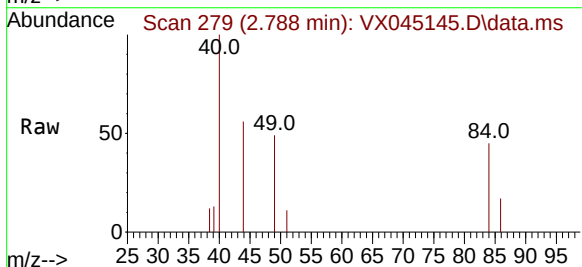
Ion Ratio Lower Upper

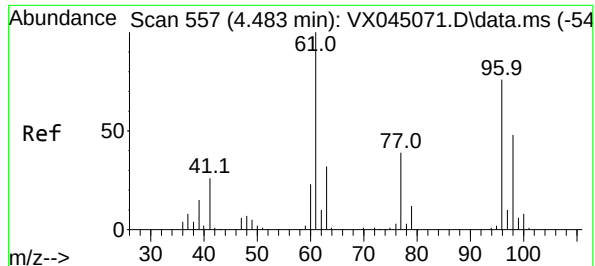
84 100

49 108.0 106.5 159.7

51 24.5 32.1 48.1#

86 36.8 50.0 75.0#





#27

cis-1,2-Dichloroethene

Concen: 6.126 ug/l

RT: 4.489 min Scan# 557

Delta R.T. 0.006 min

Lab File: VX045145.D

Acq: 05 Mar 2025 16:19

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-612-022825

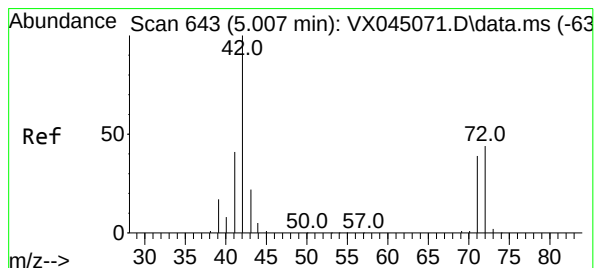
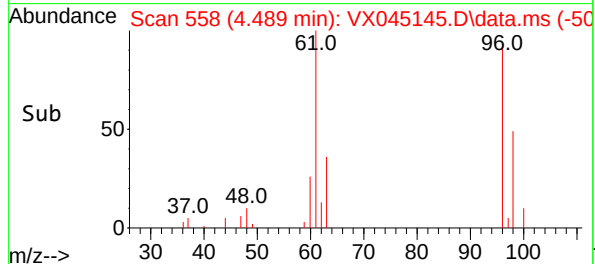
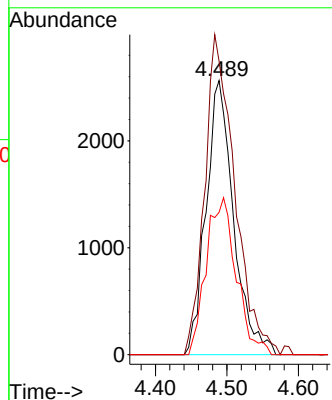
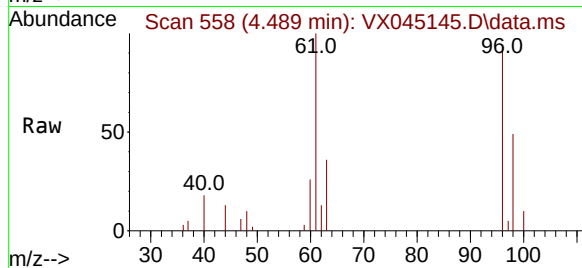
Tgt Ion: 96 Resp: 6839

Ion Ratio Lower Upper

96 100

61 127.5 0.0 283.2

98 62.7 0.0 128.0



#29

Tetrahydrofuran

Concen: 11.497 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.012 min

Lab File: VX045145.D

Acq: 05 Mar 2025 16:19

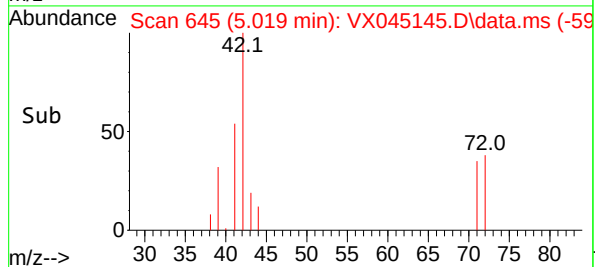
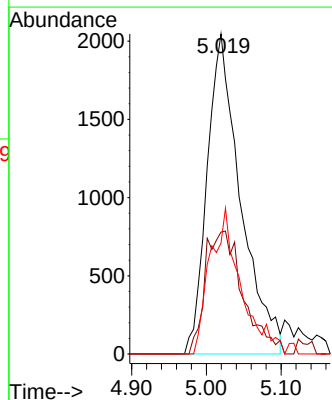
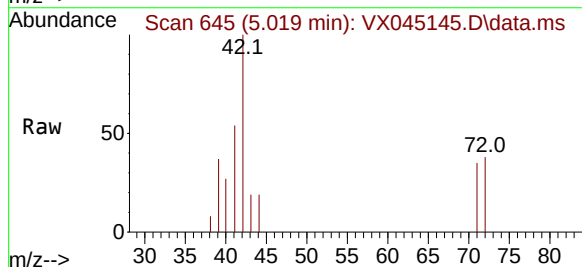
Tgt Ion: 42 Resp: 6390

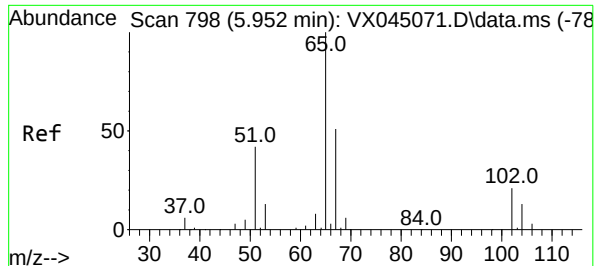
Ion Ratio Lower Upper

42 100

72 43.4 34.1 51.1

71 41.8 31.4 47.0





#33

1,2-Dichloroethane-d4

Concen: 53.117 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045145.D

Acq: 05 Mar 2025 16:19

Instrument :

MSVOA_X

ClientSampleId :

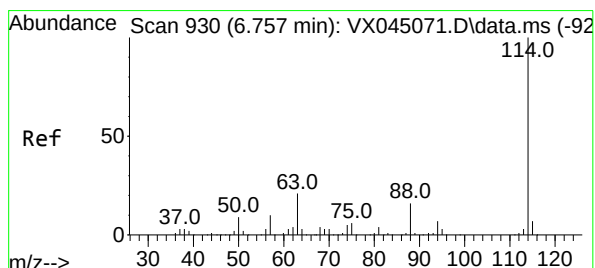
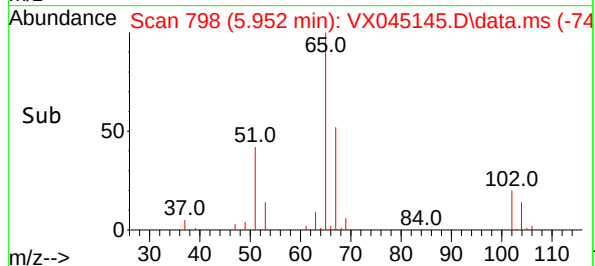
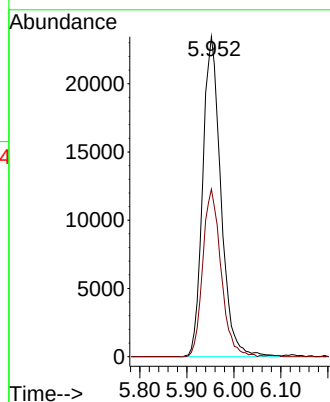
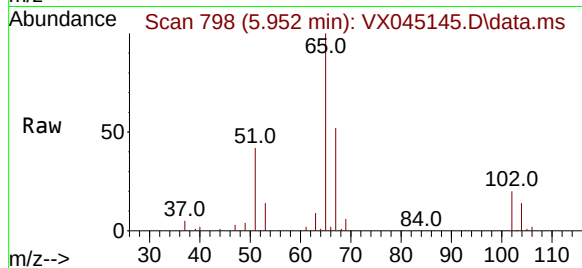
IDW-AQ-DRUM-612-022825

Tgt Ion: 65 Resp: 62945

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045145.D

Acq: 05 Mar 2025 16:19

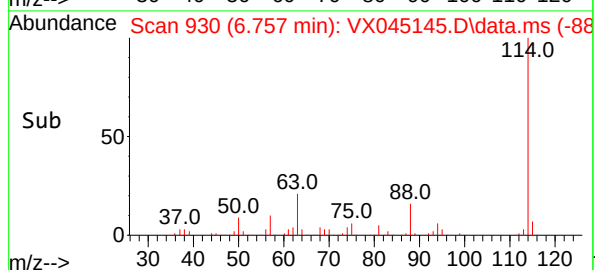
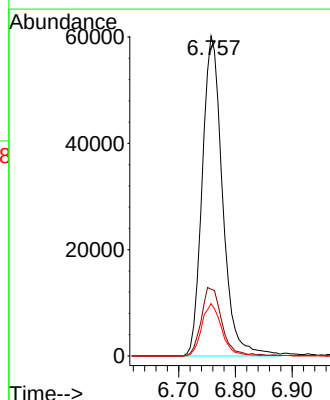
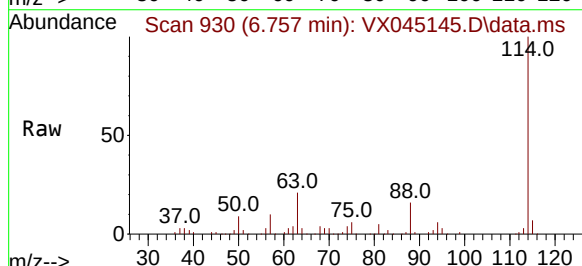
Tgt Ion: 114 Resp: 149821

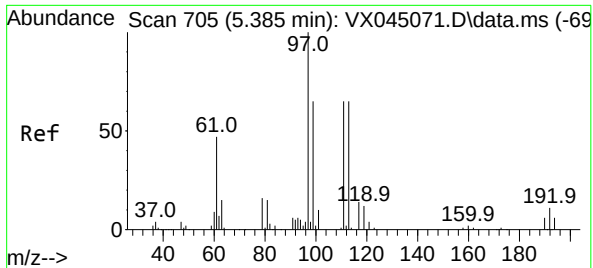
Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.8

88 16.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.898 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX045145.D

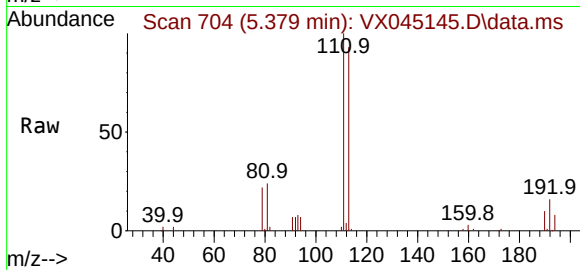
Acq: 05 Mar 2025 16:19

Instrument :

MSVOA_X

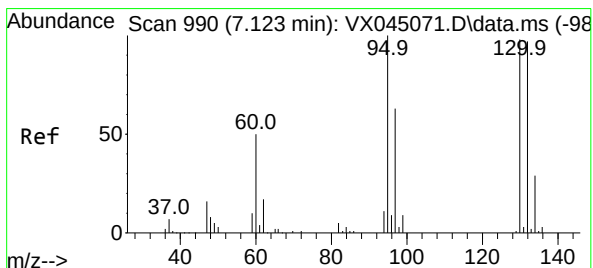
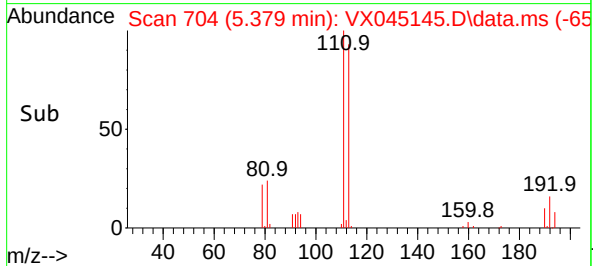
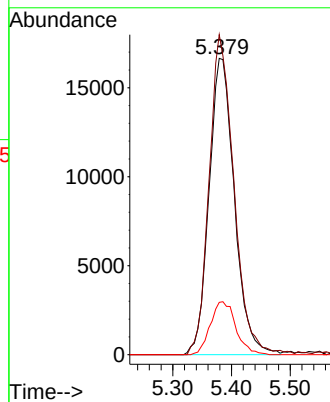
ClientSampleId :

IDW-AQ-DRUM-612-022825



Tgt Ion:113 Resp: 49989

Ion	Ratio	Lower	Upper
113	100		
111	105.5	81.8	122.6
192	17.9	14.3	21.5



#44

Trichloroethene

Concen: 34.025 ug/l

RT: 7.123 min Scan# 990

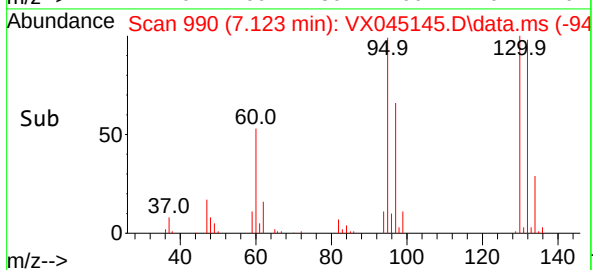
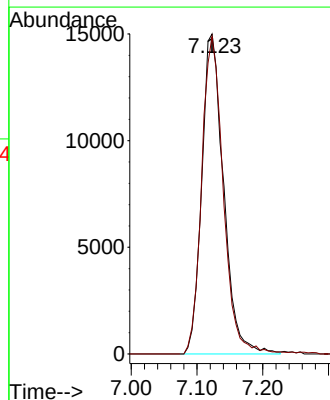
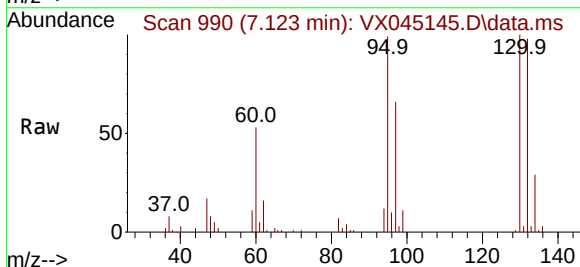
Delta R.T. 0.000 min

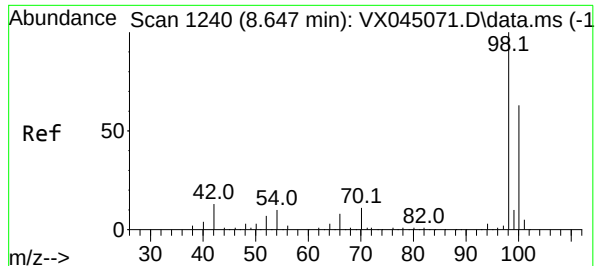
Lab File: VX045145.D

Acq: 05 Mar 2025 16:19

Tgt Ion:130 Resp: 34661

Ion	Ratio	Lower	Upper
130	100		
95	99.2	0.0	205.0





#50

Toluene-d8

Concen: 51.695 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX045145.D

Acq: 05 Mar 2025 16:19

Instrument :

MSVOA_X

ClientSampleId :

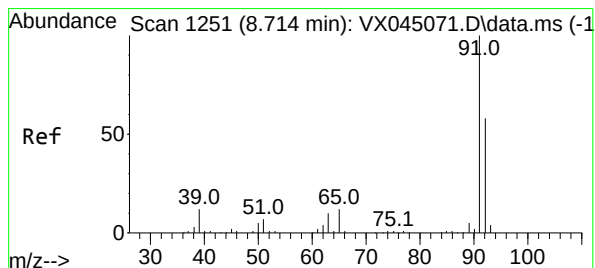
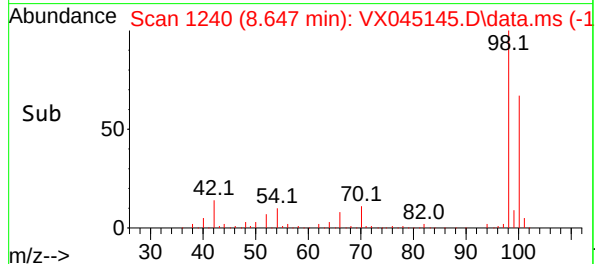
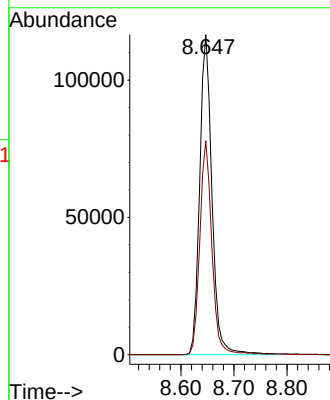
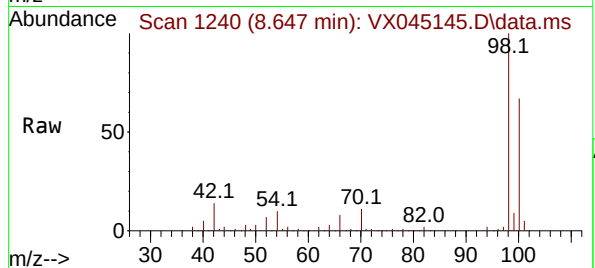
IDW-AQ-DRUM-612-022825

Tgt Ion: 98 Resp: 187752

Ion Ratio Lower Upper

98 100

100 65.7 52.0 78.0



#52

Toluene

Concen: 0.308 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX045145.D

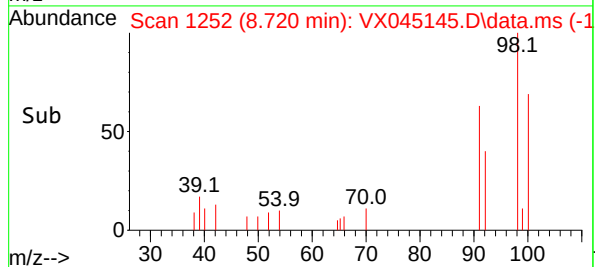
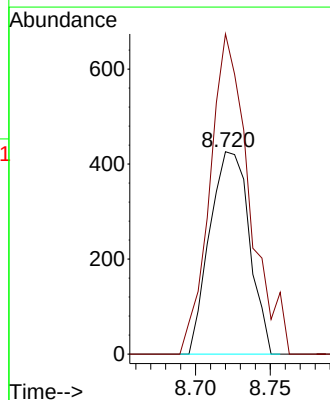
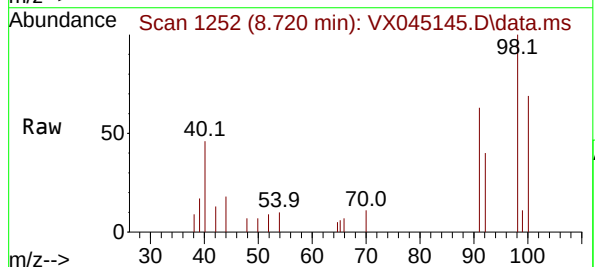
Acq: 05 Mar 2025 16:19

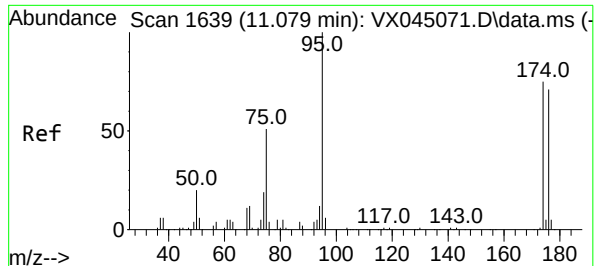
Tgt Ion: 92 Resp: 785

Ion Ratio Lower Upper

92 100

91 157.5 138.9 208.3





#62

4-Bromofluorobenzene

Concen: 54.044 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045145.D

Acq: 05 Mar 2025 16:19

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-612-022825

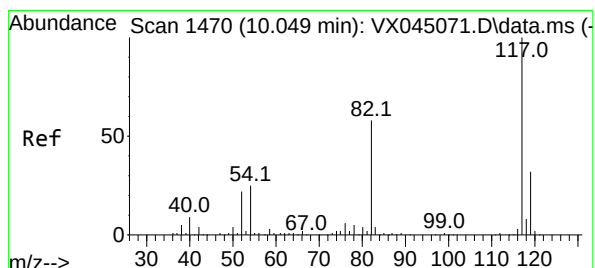
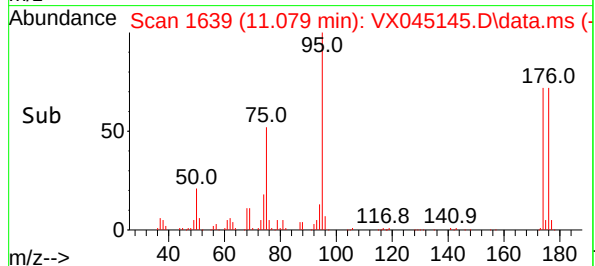
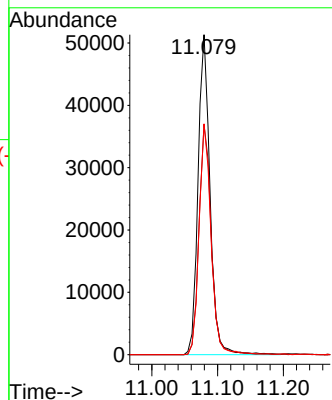
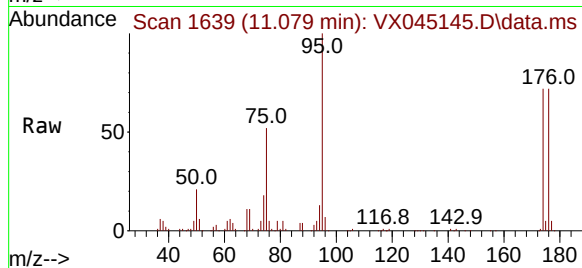
Tgt Ion: 95 Resp: 65043

Ion Ratio Lower Upper

95 100

174 73.7 0.0 148.2

176 72.4 0.0 141.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX045145.D

Acq: 05 Mar 2025 16:19

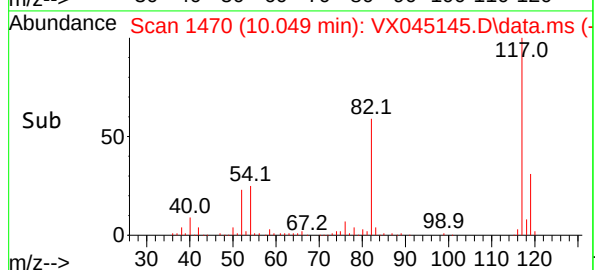
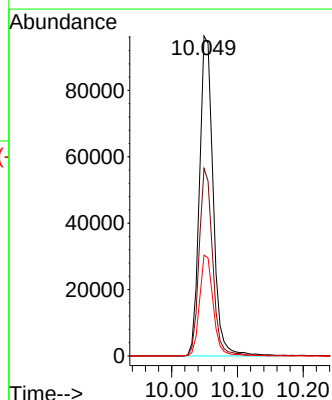
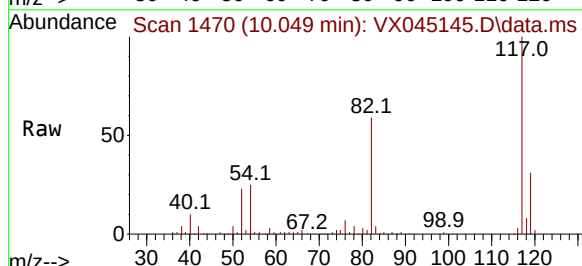
Tgt Ion: 117 Resp: 139770

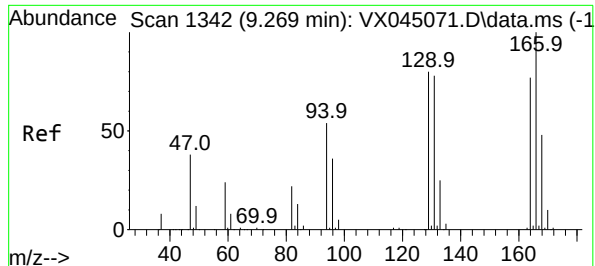
Ion Ratio Lower Upper

117 100

82 58.6 46.3 69.5

119 31.5 25.7 38.5





#64

Tetrachloroethene

Concen: 0.975 ug/l

RT: 9.275 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX045145.D

Acq: 05 Mar 2025 16:19

Instrument :

MSVOA_X

ClientSampleId :

IDW-AQ-DRUM-612-022825

Tgt Ion:164 Resp: 873

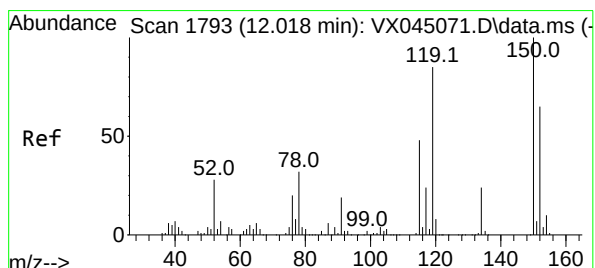
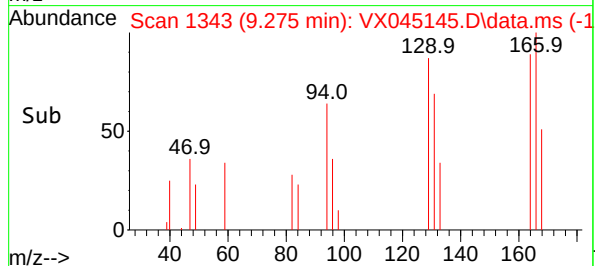
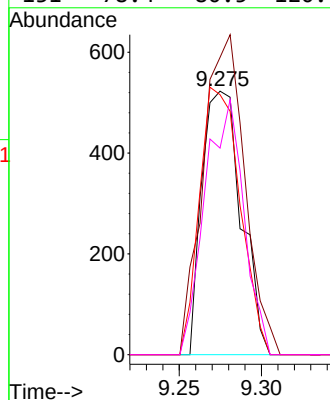
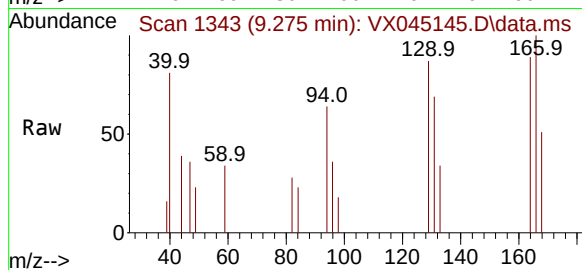
Ion Ratio Lower Upper

164 100

166 112.8 103.6 155.4

129 98.7 82.7 124.1

131 78.4 80.5 120.7#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX045145.D

Acq: 05 Mar 2025 16:19

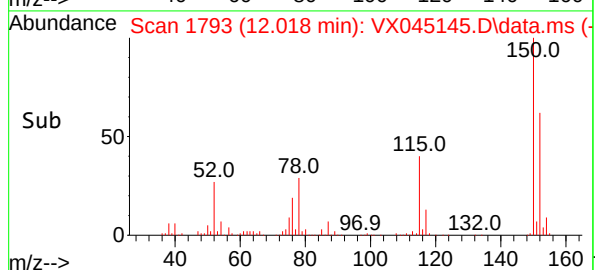
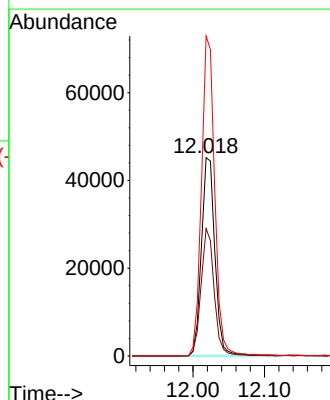
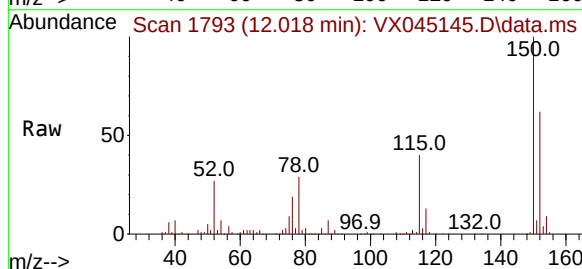
Tgt Ion:152 Resp: 59528

Ion Ratio Lower Upper

152 100

115 62.0 44.2 132.6

150 157.5 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
 Data File : VX045145.D
 Acq On : 05 Mar 2025 16:19
 Operator : JC/MD
 Sample : Q1478-08 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-AQ-DRUM-612-022825

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\82X022825W.M

Title : SW846 8260

Signal : TIC: VX045145.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	22	25	32	rBV2	4123	7026	1.39%	0.242%
2	1.618	70	87	89	rBV4	5378	21209	4.19%	0.731%
3	2.380	207	212	220	rVB	7456	11757	2.33%	0.405%
4	2.941	297	304	313	rBV2	2750	5845	1.16%	0.201%
5	4.489	550	558	569	rBV2	9981	29250	5.79%	1.008%
6	5.026	636	646	657	rBV2	6144	20910	4.14%	0.721%
7	5.379	694	704	721	rBV	57468	169333	33.49%	5.836%
8	5.544	721	731	748	rBV	79729	232955	46.08%	8.029%
9	5.952	790	798	812	rBV2	65824	178863	35.38%	6.165%
10	6.757	919	930	948	rBV2	144813	359207	71.05%	12.380%
11	7.123	982	990	1009	rBV	88314	197828	39.13%	6.818%
12	8.647	1233	1240	1249	rBV	318280	505583	100.00%	17.425%
13	9.275	1339	1343	1349	rBV3	4114	6316	1.25%	0.218%
14	10.049	1465	1470	1489	rBV	313109	451143	89.23%	15.549%
15	11.079	1634	1639	1651	rBV	251613	320464	63.39%	11.045%
16	12.018	1788	1793	1805	rBV	300299	383802	75.91%	13.228%

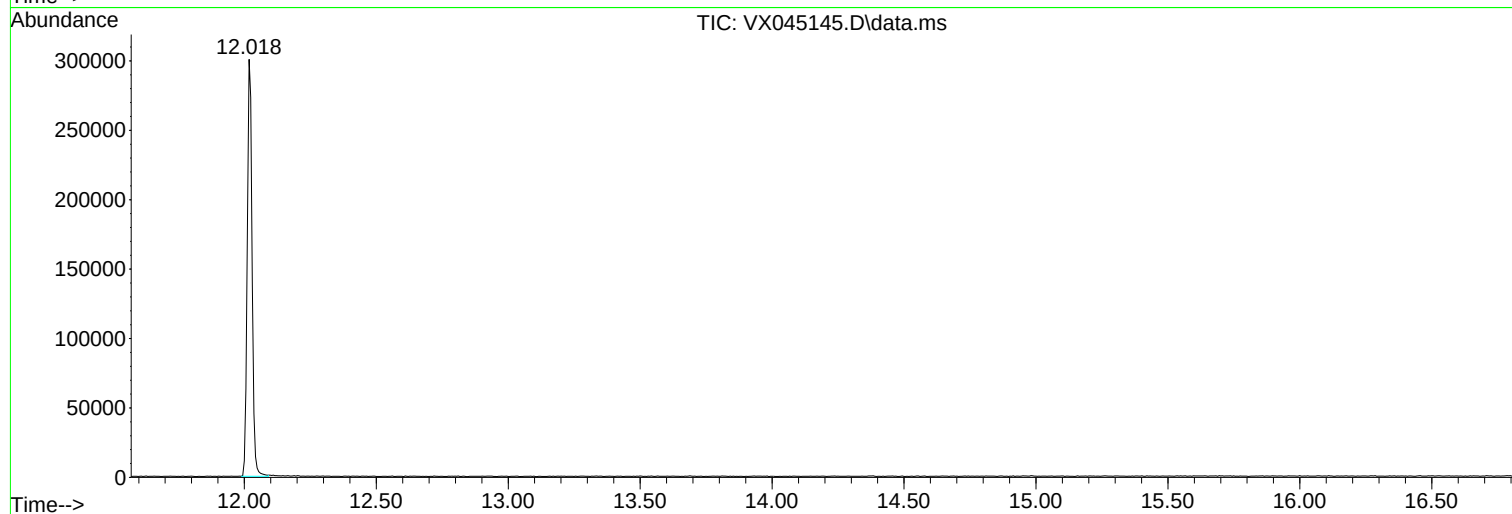
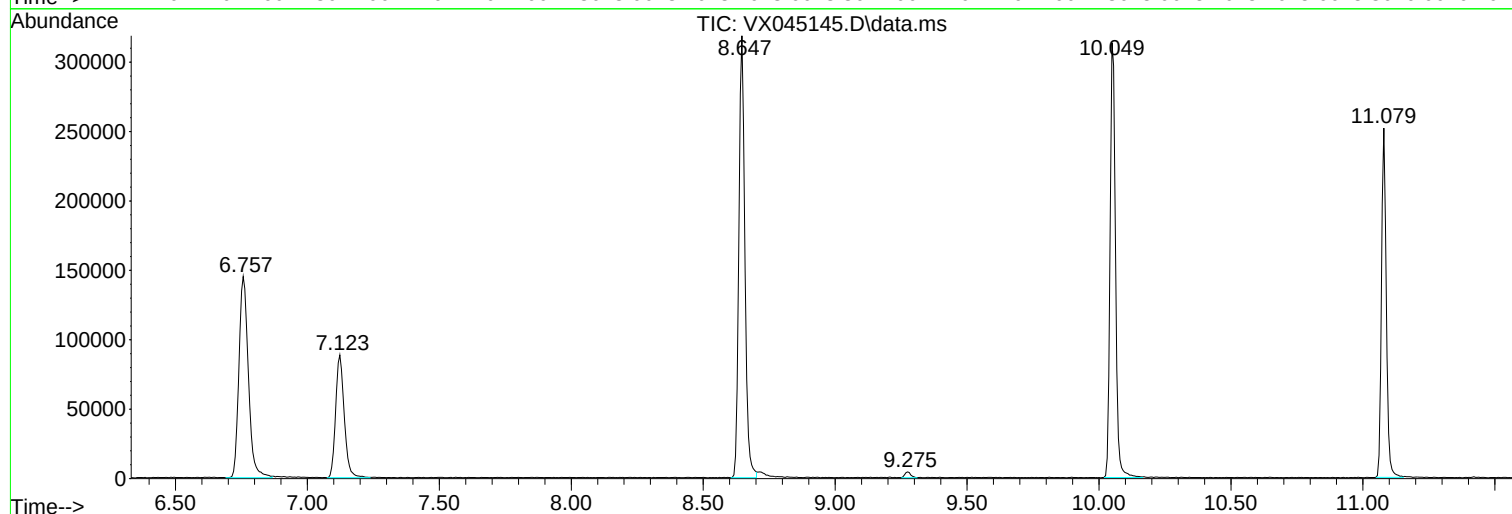
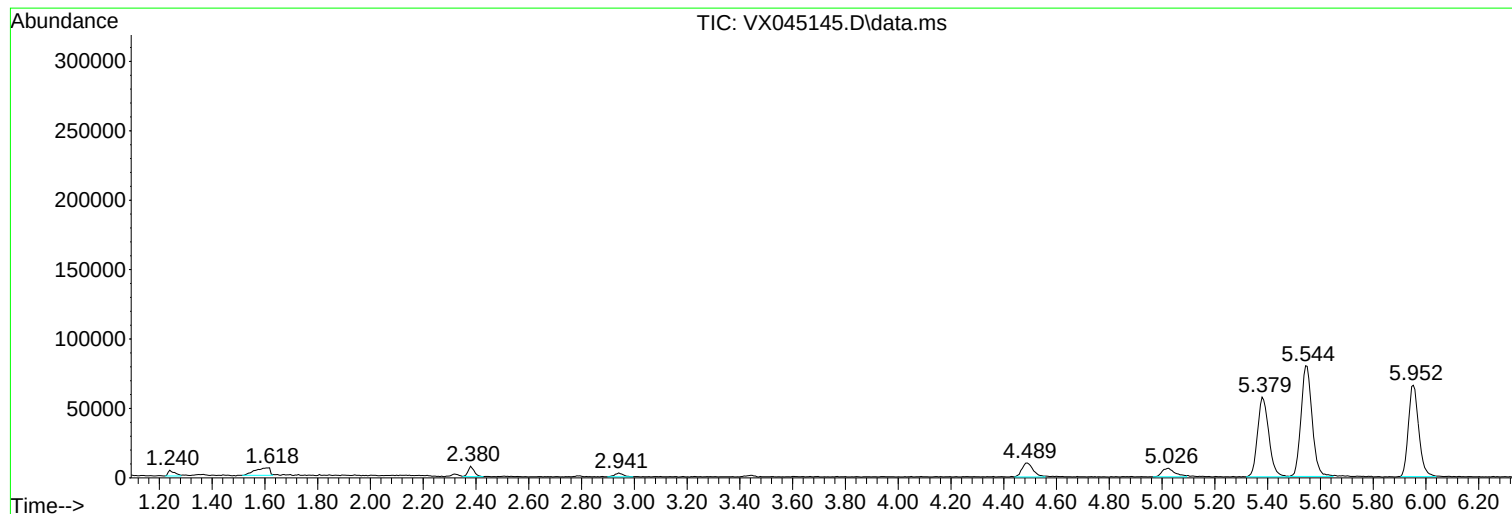
Sum of corrected areas: 2901491

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045145.D
Acq On : 05 Mar 2025 16:19
Operator : JC/MD
Sample : Q1478-08 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-612-022825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045145.D
Acq On : 05 Mar 2025 16:19
Operator : JC/MD
Sample : Q1478-08 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-612-022825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.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\VX030525\
Data File : VX045145.D
Acq On : 05 Mar 2025 16:19
Operator : JC/MD
Sample : Q1478-08 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IDW-AQ-DRUM-612-022825

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.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



CALIBRATION SUMMARY



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JAC005
 Lab Code: CHEM Case No.: Q1478 SAS No.: Q1478 SDG No.: Q1478
 Instrument ID: MSVOA_X Calibration Date(s): 02/28/2025 02/28/2025
 Heated Purge: (Y/N) N Calibration Time(s): 01:27 03:47
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:	RRF001 = VX045068.D			RRF005 = VX045069.D		RRF020 = VX045070.D		
	RRF050 = VX045071.D			RRF100 = VX045072.D		RRF150 = VX045073.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.624	0.646	0.646	0.627	0.626	0.607	0.629	2.4
Chloromethane	0.755	0.821	0.828	0.753	0.721	0.744	0.770	5.7
Vinyl Chloride	0.773	0.755	0.774	0.761	0.765	0.758	0.764	1
Bromomethane		0.337	0.298	0.292	0.284	0.291	0.300	7
Chloroethane	0.373	0.421	0.366	0.373	0.297	0.286	0.352	14.5
Trichlorofluoromethane	0.978	1.061	1.050	1.050	0.982	0.948	1.012	4.7
1,1,2-Trichlorotrifluoroethane	0.526	0.613	0.595	0.594	0.596	0.563	0.581	5.4
1,1-Dichloroethene	0.609	0.620	0.612	0.623	0.620	0.603	0.614	1.3
Acetone	0.414	0.363	0.384	0.351	0.345	0.356	0.369	7
Carbon Disulfide	1.584	1.582	1.587	1.660	1.708	1.698	1.636	3.6
Methyl tert-butyl Ether	1.955	1.913	2.127	2.083	2.132	2.158	2.061	5
Methyl Acetate	0.954	0.835	0.903	0.867	0.869	0.899	0.888	4.6
Methylene Chloride	0.806	0.730	0.752	0.698	0.694	0.706	0.731	5.8
trans-1,2-Dichloroethene	0.540	0.619	0.603	0.631	0.634	0.616	0.607	5.7
1,1-Dichloroethane	1.200	1.223	1.280	1.242	1.270	1.264	1.247	2.5
Cyclohexane		1.021	1.087	1.108	1.142	1.052	1.082	4.3
2-Butanone	0.476	0.545	0.610	0.579	0.553	0.570	0.555	8.1
Carbon Tetrachloride	0.463	0.463	0.447	0.468	0.489	0.463	0.465	3
cis-1,2-Dichloroethene	0.687	0.746	0.765	0.762	0.767	0.769	0.749	4.2
Bromochloromethane	0.557	0.633	0.613	0.603	0.563	0.596	0.594	5
Chloroform	1.206	1.247	1.278	1.246	1.230	1.225	1.239	2
1,1,1-Trichloroethane	0.908	0.992	1.009	1.024	1.044	1.025	1.000	4.8
Methylcyclohexane	0.464	0.530	0.560	0.585	0.607	0.550	0.549	9.1
Benzene	1.321	1.459	1.491	1.496	1.497	1.424	1.448	4.7
1,2-Dichloroethane	0.487	0.525	0.545	0.528	0.524	0.520	0.521	3.6
Trichloroethene	0.319	0.351	0.339	0.341	0.354	0.336	0.340	3.7
1,2-Dichloropropane	0.354	0.378	0.382	0.371	0.376	0.373	0.372	2.7
Bromodichloromethane	0.478	0.503	0.536	0.524	0.528	0.528	0.516	4.2
4-Methyl-2-Pentanone	0.535	0.570	0.647	0.610	0.579	0.579	0.587	6.5
Toluene	0.716	0.872	0.892	0.898	0.874	0.845	0.849	8

* 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, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JAC005
 Lab Code: CHEM Case No.: Q1478 SAS No.: Q1478 SDG No.: Q1478
 Instrument ID: MSVOA_X Calibration Date(s): 02/28/2025 02/28/2025
 Heated Purge: (Y/N) N Calibration Time(s): 01:27 03:47
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX045068.D		RRF005 = VX045069.D		RRF020 = VX045070.D			
		RRF050 = VX045071.D		RRF100 = VX045072.D		RRF150 = VX045073.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
t-1,3-Dichloropropene	0.304	0.389	0.436	0.469	0.490	0.502	0.431	17.3	
cis-1,3-Dichloropropene	0.404	0.463	0.509	0.535	0.555	0.553	0.503	11.8	
1,1,2-Trichloroethane	0.346	0.348	0.371	0.356	0.341	0.336	0.350	3.6	
2-Hexanone	0.349	0.412	0.476	0.448	0.431	0.436	0.425	10.1	
Dibromochloromethane	0.305	0.349	0.390	0.384	0.385	0.380	0.366	9	
1,2-Dibromoethane	0.311	0.352	0.371	0.356	0.355	0.350	0.349	5.7	
Tetrachloroethene	0.315	0.326	0.319	0.324	0.329	0.309	0.320	2.3	
Chlorobenzene	0.968	1.054	1.090	1.092	1.100	1.045	1.058	4.7	
Ethyl Benzene	1.566	1.794	1.889	1.952	1.972	1.888	1.843	8.1	
m/p-Xylenes	0.555	0.672	0.711	0.724	0.715	0.673	0.675	9.3	
o-Xylene	0.609	0.689	0.702	0.706	0.707	0.670	0.681	5.5	
Styrene	0.879	1.060	1.170	1.181	1.183	1.134	1.101	10.7	
Bromoform	0.209	0.234	0.276	0.276	0.300	0.300	0.266	13.9	
Isopropylbenzene	3.397	4.034	3.999	4.135	4.006	3.845	3.903	6.8	
1,1,2,2-Tetrachloroethane	1.395	1.479	1.513	1.419	1.391	1.396	1.432	3.6	
1,3-Dichlorobenzene	1.502	1.652	1.710	1.668	1.675	1.649	1.643	4.4	
1,4-Dichlorobenzene	1.605	1.702	1.665	1.687	1.669	1.643	1.662	2.1	
1,2-Dichlorobenzene	1.479	1.695	1.735	1.668	1.687	1.622	1.648	5.5	
1,2-Dibromo-3-Chloropropane	0.237	0.243	0.285	0.289	0.300	0.320	0.279	11.6	
1,2,4-Trichlorobenzene	0.668	0.821	0.978	1.009	1.074	1.080	0.938	17.3	
1,2,3-Trichlorobenzene	0.747	0.897	1.032	1.059	1.107	1.096	0.990	14.2	
1,2-Dichloroethane-d4		0.836	0.784	0.757	0.783	0.817	0.795	3.9	
Dibromofluoromethane		0.329	0.335	0.329	0.340	0.338	0.334	1.5	
Toluene-d8		1.237	1.191	1.210	1.219	1.203	1.212	1.4	
4-Bromofluorobenzene		0.383	0.393	0.402	0.410	0.421	0.402	3.7	

* Compounds with required minimum RRF and maximum %RSD values.
 All other compounds must meet a minimum RRF of 0.010.
 RRF of 1,4-Dioxane = Value should be divide by 1000.

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X022825W.M
 Title : SW846 8260
 Last Update : Fri Feb 28 06:45:16 2025
 Response Via : Initial Calibration

Calibration Files

1 =VX045068.D 5 =VX045069.D 20 =VX045070.D 50 =VX045071.D 100 =VX045072.D 150 =VX045073.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.624	0.646	0.646	0.627	0.626	0.607	0.629	2.38
3) P	Chloromethane	0.755	0.821	0.828	0.753	0.721	0.744	0.770	5.68
4) C	Vinyl Chloride	0.773	0.755	0.774	0.761	0.765	0.758	0.764	1.03#
5) T	Bromomethane		0.337	0.298	0.292	0.284	0.291	0.300	7.01
6) T	Chloroethane	0.373	0.421	0.366	0.373	0.297	0.286	0.352	14.54
7) T	Trichlorofluor...	0.978	1.061	1.050	1.050	0.982	0.948	1.011	4.73
8) T	Diethyl Ether	0.406	0.402	0.409	0.387	0.387	0.383	0.396	2.83
9) T	1,1,2-Trichlor...	0.526	0.613	0.595	0.594	0.596	0.563	0.581	5.41
10) T	Methyl Iodide		0.607	0.758	0.769	0.758	0.739	0.726	9.28
11) T	Tert butyl alc...		0.189	0.161	0.134	0.133	0.136	0.151	16.19
12) CM	1,1-Dichloroet...	0.609	0.620	0.612	0.623	0.620	0.603	0.614	1.27#
13) T	Acrolein		0.162	0.173	0.174	0.178	0.184	0.174	4.53
14) T	Allyl chloride	1.140	1.047	1.104	1.107	1.091	1.072	1.094	2.92
15) T	Acrylonitrile	0.396	0.398	0.432	0.410	0.387	0.399	0.404	3.90
16) T	Acetone	0.414	0.363	0.384	0.351	0.345	0.356	0.369	7.04
17) T	Carbon Disulfide	1.584	1.582	1.587	1.660	1.708	1.698	1.636	3.62
18) T	Methyl Acetate	0.954	0.835	0.903	0.867	0.869	0.899	0.888	4.59
19) T	Methyl tert-bu...	1.955	1.913	2.127	2.083	2.132	2.158	2.061	4.97
20) T	Methylene Chlo...	0.806	0.730	0.752	0.698	0.694	0.706	0.731	5.84
21) T	trans-1,2-Dich...	0.540	0.619	0.603	0.631	0.634	0.616	0.607	5.73
22) T	Diisopropyl ether	1.959	2.156	2.321	2.291	2.310	2.307	2.224	6.46
23) T	Vinyl Acetate	1.486	1.655	1.961	1.973	2.012	2.049	1.856	12.38
24) P	1,1-Dichloroet...	1.200	1.223	1.280	1.242	1.270	1.264	1.247	2.45
25) T	2-Butanone	0.476	0.545	0.610	0.579	0.553	0.570	0.555	8.09
26) T	2,2-Dichloropr...	0.519	0.562	0.588	0.597	0.617	0.626	0.585	6.74
27) T	cis-1,2-Dichlo...	0.687	0.746	0.765	0.762	0.767	0.769	0.749	4.21
28) T	Bromochloromet...	0.557	0.633	0.613	0.603	0.563	0.596	0.594	4.97
29) T	Tetrahydrofuran	0.362	0.376	0.398	0.373	0.361	0.368	0.373	3.61
30) C	Chloroform	1.206	1.247	1.278	1.246	1.230	1.225	1.239	1.97#
31) T	Cyclohexane		1.021	1.087	1.108	1.142	1.052	1.082	4.35
32) T	1,1,1-Trichlor...	0.908	0.992	1.009	1.024	1.044	1.025	1.000	4.83
33) S	1,2-Dichloroet...		0.836	0.784	0.757	0.783	0.817	0.795	3.91
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.329	0.335	0.329	0.340	0.338	0.334	1.53
36) T	1,1-Dichloropr...	0.446	0.462	0.444	0.469	0.476	0.455	0.459	2.77
37) T	Ethyl Acetate	0.589	0.538	0.607	0.606	0.609	0.596	0.591	4.53
38) T	Carbon Tetrach...	0.463	0.463	0.447	0.468	0.489	0.463	0.465	2.96
39) T	Methylcyclohexane	0.464	0.530	0.560	0.585	0.607	0.550	0.549	9.07
40) TM	Benzene	1.321	1.459	1.491	1.496	1.497	1.424	1.448	4.72
41) T	Methacrylonitrile	0.284	0.293	0.337	0.340	0.332	0.330	0.319	7.59
42) TM	1,2-Dichloroet...	0.487	0.525	0.545	0.528	0.524	0.520	0.521	3.63
43) T	Isopropyl Acetate	0.675	0.800	0.940	0.929	0.935	0.964	0.874	12.98
44) TM	Trichloroethene	0.319	0.351	0.339	0.341	0.354	0.336	0.340	3.72
45) C	1,2-Dichloropr...	0.354	0.378	0.382	0.371	0.376	0.373	0.372	2.68#
46) T	Dibromomethane	0.236	0.265	0.272	0.269	0.269	0.268	0.263	5.10
47) T	Bromodichlorom...	0.478	0.503	0.536	0.524	0.528	0.528	0.516	4.23
48) T	Methyl methacr...	0.352	0.422	0.460	0.463	0.458	0.475	0.438	10.46
49) T	1,4-Dioxane	0.008	0.009	0.010	0.009	0.009	0.009	0.009	6.46
50) S	Toluene-d8		1.237	1.191	1.210	1.219	1.203	1.212	1.43
51) T	4-Methyl-2-Pen...	0.535	0.570	0.647	0.610	0.579	0.579	0.587	6.52
52) CM	Toluene	0.716	0.872	0.892	0.898	0.874	0.845	0.849	8.03#
53) T	t-1,3-Dichloro...	0.304	0.389	0.436	0.469	0.490	0.502	0.431	17.30
54) T	cis-1,3-Dichlo...	0.404	0.463	0.509	0.535	0.555	0.553	0.503	11.80
55) T	1,1,2-Trichlor...	0.346	0.348	0.371	0.356	0.341	0.336	0.350	3.63
56) T	Ethyl methacry...	0.396	0.500	0.562	0.570	0.577	0.586	0.532	13.74

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X022825W.M

57)	T	1,3-Dichloropr...	0.560	0.623	0.643	0.620	0.597	0.588	0.605	4.90
58)	T	2-Chloroethyl ...	0.218	0.239	0.271	0.284	0.273	0.270	0.259	9.71
59)	T	2-Hexanone	0.349	0.412	0.476	0.448	0.431	0.436	0.425	10.08
60)	T	Dibromochlorom...	0.305	0.349	0.390	0.384	0.385	0.380	0.366	9.01
61)	T	1,2-Dibromoethane	0.311	0.352	0.371	0.356	0.355	0.350	0.349	5.73
62)	S	4-Bromofluorob...	0.383	0.393	0.402	0.410	0.421	0.402		3.67
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.315	0.326	0.319	0.324	0.329	0.309	0.320	2.33
65)	PM	Chlorobenzene	0.968	1.054	1.090	1.092	1.100	1.045	1.058	4.68
66)	T	1,1,1,2-Tetrac...	0.337	0.331	0.357	0.356	0.372	0.362	0.352	4.39
67)	C	Ethyl Benzene	1.566	1.794	1.889	1.952	1.972	1.888	1.843	8.11#
68)	T	m/p-Xylenes	0.555	0.672	0.711	0.724	0.715	0.673	0.675	9.27
69)	T	o-Xylene	0.609	0.689	0.702	0.706	0.707	0.670	0.681	5.52
70)	T	Styrene	0.879	1.060	1.170	1.181	1.183	1.134	1.101	10.75
71)	P	Bromoform	0.209	0.234	0.276	0.276	0.300	0.300	0.266	13.94
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.397	4.034	3.999	4.135	4.006	3.845	3.903	6.79
74)	T	N-amyl acetate	1.349	1.578	1.890	1.977	2.078	2.116	1.831	16.62
75)	P	1,1,2,2-Tetrac...	1.395	1.479	1.513	1.419	1.391	1.396	1.432	3.60
76)	T	1,2,3-Trichlor...	1.181	1.201	1.193	1.147	1.131	1.130	1.164	2.73
77)	T	Bromobenzene	0.899	0.947	0.939	0.939	0.910	0.891	0.921	2.57
78)	T	n-propylbenzene	3.451	4.375	4.577	4.805	4.696	4.548	4.409	11.14
79)	T	2-Chlorotoluene	2.788	2.888	2.828	2.869	2.770	2.702	2.808	2.45
80)	T	1,3,5-Trimethy...	2.611	3.211	3.373	3.384	3.224	3.131	3.156	9.01
81)	T	trans-1,4-Dich...	0.268	0.313	0.339	0.376	0.405	0.340		15.78
82)	T	4-Chlorotoluene	2.800	3.015	3.078	3.234	3.140	3.092	3.060	4.80
83)	T	tert-Butylbenzene	3.029	3.256	3.342	3.375	3.292	3.160	3.242	3.96
84)	T	1,2,4-Trimethy...	2.646	3.202	3.380	3.378	3.258	3.188	3.175	8.57
85)	T	sec-Butylbenzene	3.000	3.847	4.137	4.215	4.125	3.978	3.884	11.65
86)	T	p-Isopropyltol...	2.511	2.986	3.266	3.424	3.369	3.275	3.139	10.91
87)	T	1,3-Dichlorobe...	1.502	1.652	1.710	1.668	1.675	1.649	1.643	4.40
88)	T	1,4-Dichlorobe...	1.605	1.702	1.665	1.687	1.669	1.643	1.662	2.06
89)	T	n-Butylbenzene	1.905	2.359	2.788	3.013	3.099	3.057	2.703	17.67
90)	T	Hexachloroethane	0.470	0.498	0.568	0.605	0.633	0.633	0.568	12.30
91)	T	1,2-Dichlorobe...	1.479	1.695	1.735	1.668	1.687	1.622	1.648	5.50
92)	T	1,2-Dibromo-3-...	0.237	0.243	0.285	0.289	0.300	0.320	0.279	11.64
93)	T	1,2,4-Trichlor...	0.668	0.821	0.978	1.009	1.074	1.080	0.938	17.32
94)	T	Hexachlorobuta...	0.356	0.369	0.390	0.392	0.406	0.395	0.385	4.77
95)	T	Naphthalene	2.573	3.115	3.866	3.902	4.091	4.082	3.605	17.21
96)	T	1,2,3-Trichlor...	0.747	0.897	1.032	1.059	1.107	1.096	0.990	14.23

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045068.D
 Acq On : 28 Feb 2025 01:27
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: Feb 28 06:28:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:18:23 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
 Supervised By :Mahesh Dadoda 02/28/2025

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	102761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	188642	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	159886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64845	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	74 - 125	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	77 - 121	Recovery	=	0.000%#
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	1282	1.007	ug/l	90
3) Chloromethane	1.301	50	1552	0.975	ug/l	91
4) Vinyl Chloride	1.368	62	1588	1.008	ug/l #	85
6) Chloroethane	1.673	64	766m	0.992	ug/l	
7) Trichlorofluoromethane	1.880	101	2011	0.957	ug/l	97
8) Diethyl Ether	2.130	74	835	1.045	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.319	101	1081	0.884	ug/l	87
12) 1,1-Dichloroethene	2.313	96	1251	0.991	ug/l	92
14) Allyl chloride	2.660	41	2343	1.055	ug/l	93
15) Acrylonitrile	3.075	53	4067	4.931	ug/l	99
16) Acetone	2.380	43	4259	5.635	ug/l	100
17) Carbon Disulfide	2.502	76	3256	0.956	ug/l #	92
18) Methyl Acetate	2.703	43	1960	1.066	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	4017	0.943	ug/l	91
20) Methylene Chloride	2.782	84	1656	1.095	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	1109	0.869	ug/l	91
22) Diisopropyl ether	3.764	45	4026	0.871	ug/l #	80
23) Vinyl Acetate	3.727	43	15271	3.971	ug/l	97
24) 1,1-Dichloroethane	3.605	63	2467	0.958	ug/l #	83
25) 2-Butanone	4.587	43	4894	4.252	ug/l	96
26) 2,2-Dichloropropane	4.471	77	1066	0.872	ug/l #	56
27) cis-1,2-Dichloroethene	4.501	96	1412	0.902	ug/l #	19
28) Bromochloromethane	4.885	49	1144	0.958	ug/l #	54
29) Tetrahydrofuran	5.032	42	3719	4.809	ug/l #	34
30) Chloroform	5.093	83	2478	0.978	ug/l	92
32) 1,1,1-Trichloroethane	5.373	97	1867	0.893	ug/l #	52
36) 1,1-Dichloropropene	5.690	75	1681	0.967	ug/l #	84
37) Ethyl Acetate	4.739	43	2223m	0.988	ug/l	
38) Carbon Tetrachloride	5.672	117	1747m	0.987	ug/l	
39) Methylcyclohexane	7.385	83	1750	0.831	ug/l	88
40) Benzene	6.031	78	4984	0.907	ug/l	99
41) Methacrylonitrile	4.958	41	1072m	0.879	ug/l	
42) 1,2-Dichloroethane	6.099	62	1837	0.924	ug/l	78
43) Isopropyl Acetate	6.355	43	2545	0.767	ug/l #	95
44) Trichloroethene	7.129	130	1202	0.933	ug/l	65
45) 1,2-Dichloropropane	7.434	63	1334	0.971	ug/l #	82

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045068.D
 Acq On : 28 Feb 2025 01:27
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 06:28:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:18:23 2025
 Response via : Initial Calibration

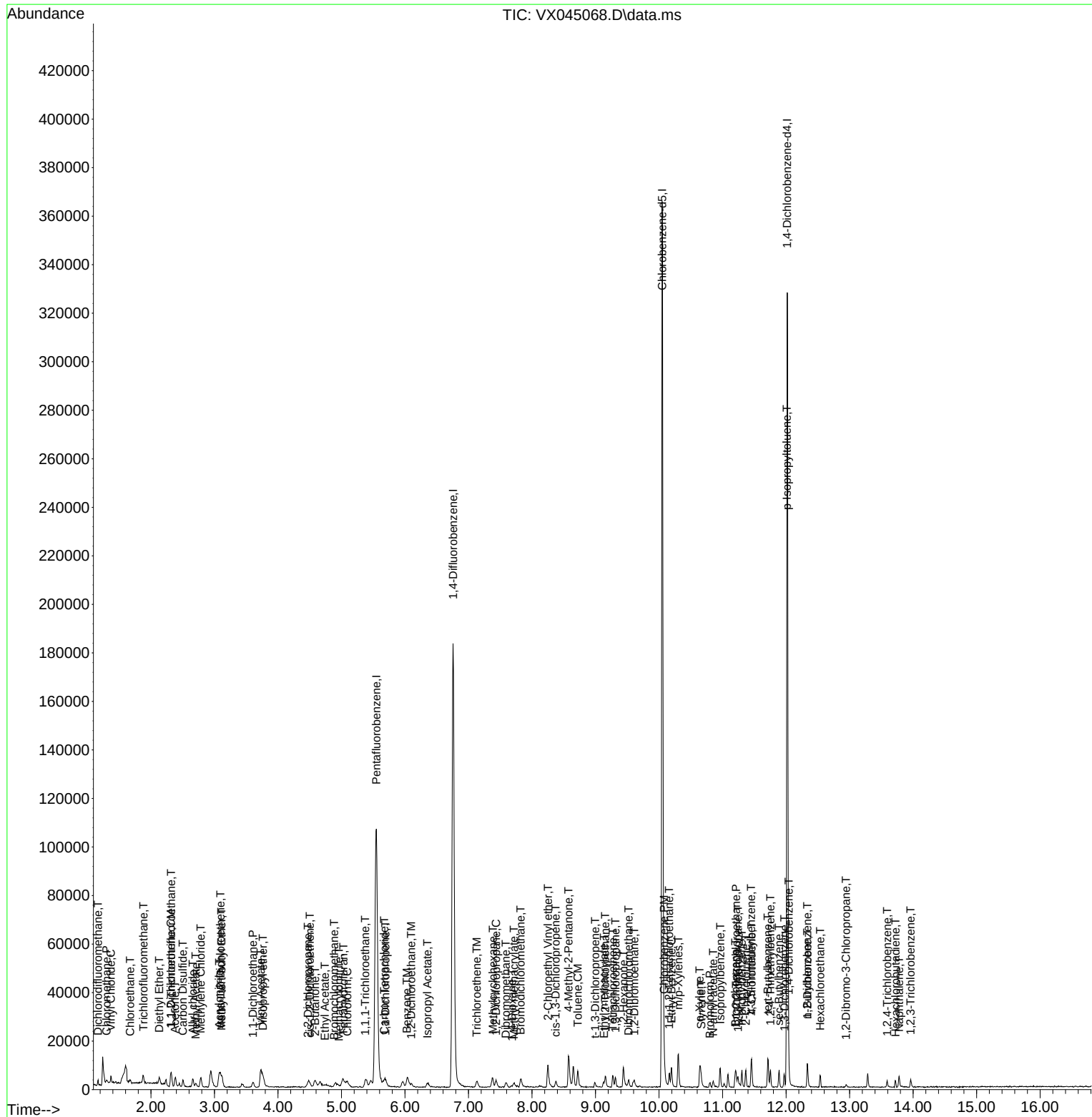
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.586	93	891	0.897	ug/l	92
47) Bromodichloromethane	7.818	83	1802	0.927	ug/l #	85
48) Methyl methacrylate	7.714	41	1328m	0.825	ug/l	
49) 1,4-Dioxane	7.684	88	639	18.144	ug/l #	81
51) 4-Methyl-2-Pentanone	8.574	43	10091	4.567	ug/l	95
52) Toluene	8.720	92	2700	0.841	ug/l	97
53) t-1,3-Dichloropropene	8.994	75	1147	0.700	ug/l #	85
54) cis-1,3-Dichloropropene	8.373	75	1525	0.804	ug/l #	90
55) 1,1,2-Trichloroethane	9.153	97	1306	1.004	ug/l #	90
56) Ethyl methacrylate	9.135	69	1494	0.748	ug/l #	93
57) 1,3-Dichloropropane	9.311	76	2112	0.920	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.251	63	4115	4.320	ug/l	95
59) 2-Hexanone	9.439	43	6582	4.153	ug/l	96
60) Dibromochloromethane	9.519	129	1152	0.835	ug/l	98
61) 1,2-Dibromoethane	9.610	107	1174	0.890	ug/l	97
64) Tetrachloroethene	9.275	164	1006	0.986	ug/l #	88
65) Chlorobenzene	10.080	112	3094	0.908	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.159	131	1078	0.978	ug/l #	65
67) Ethyl Benzene	10.195	91	5008	0.846	ug/l #	85
68) m/p-Xylenes	10.305	106	3552	1.630	ug/l	97
69) o-Xylene	10.640	106	1949	0.891	ug/l	95
70) Styrene	10.665	104	2810	0.802	ug/l	97
71) Bromoform	10.799	173	667	0.768	ug/l #	92
73) Isopropylbenzene	10.964	105	4405	0.858	ug/l	96
74) N-amyl acetate	10.854	43	1750	0.732	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	11.213	83	1809	0.954	ug/l	88
76) 1,2,3-Trichloropropane	11.244	75	1531m	1.015	ug/l	
77) Bromobenzene	11.201	156	1166	0.972	ug/l	91
78) n-propylbenzene	11.305	91	4475	0.773	ug/l	97
79) 2-Chlorotoluene	11.366	91	3616	0.986	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	3386	0.815	ug/l	94
82) 4-Chlorotoluene	11.457	91	3631	0.904	ug/l	99
83) tert-Butylbenzene	11.713	119	3928	0.929	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	3432	0.827	ug/l	95
85) sec-Butylbenzene	11.890	105	3891	0.752	ug/l	100
86) p-Isopropyltoluene	12.012	119	3257	0.797	ug/l	94
87) 1,3-Dichlorobenzene	11.976	146	1948	0.913	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	2082m	0.962	ug/l	
89) n-Butylbenzene	12.335	91	2470	0.691	ug/l	93
90) Hexachloroethane	12.536	117	609	0.805	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	1918	0.890	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	308	0.859	ug/l	82
93) 1,2,4-Trichlorobenzene	13.591	180	866	0.706	ug/l	93
94) Hexachlorobutadiene	13.725	225	462	0.917	ug/l	94
95) Naphthalene	13.780	128	3337	0.707	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.963	180	969	0.759	ug/l	93

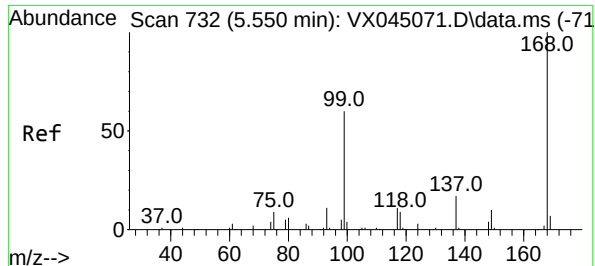
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025





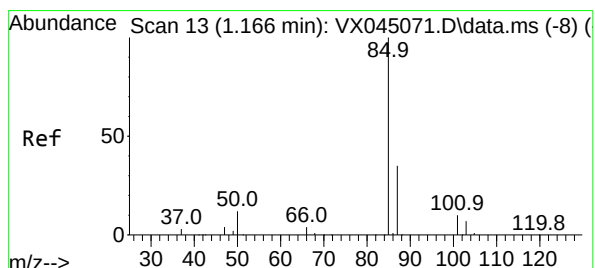
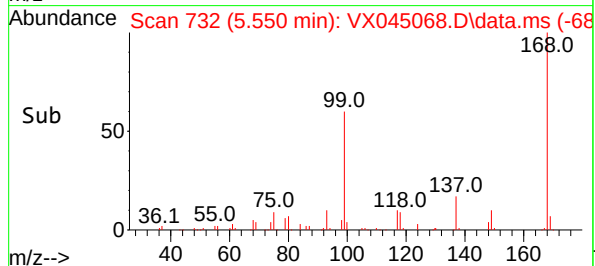
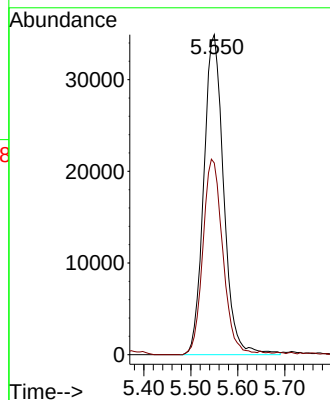
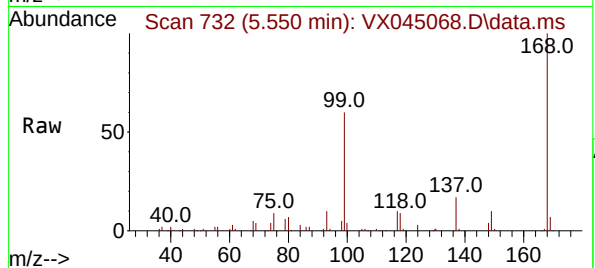
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion:168 Resp: 10276
Ion Ratio Lower Upper
168 100
99 59.9 48.2 72.4

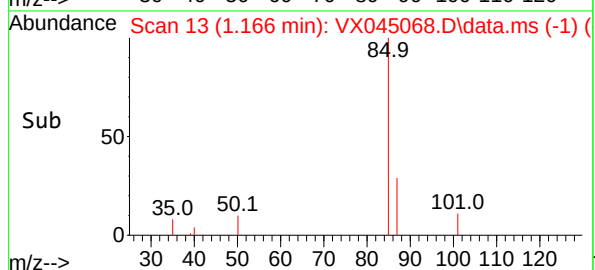
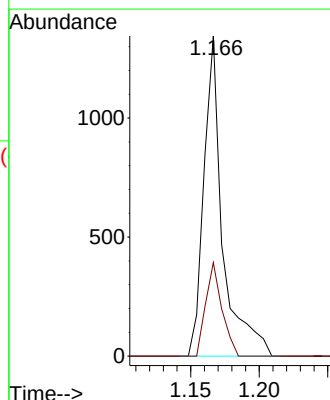
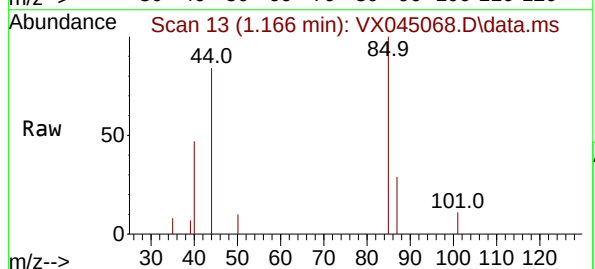
Manual Integrations
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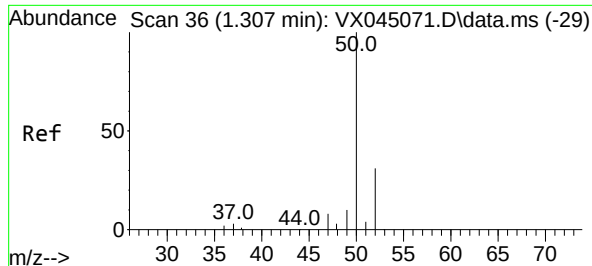
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#2
Dichlorodifluoromethane
Concen: 1.007 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 85 Resp: 1282
Ion Ratio Lower Upper
85 100
87 29.2 17.4 52.3





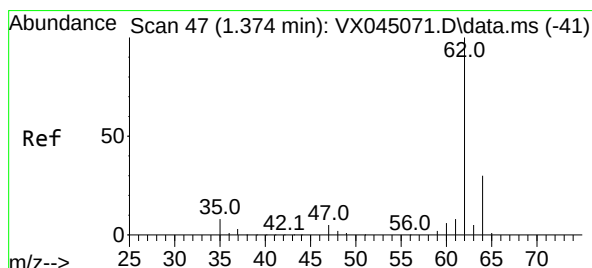
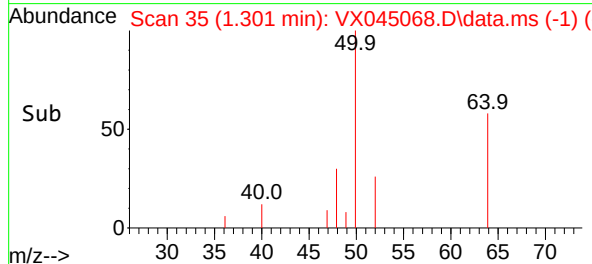
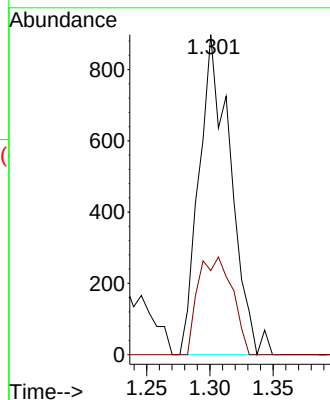
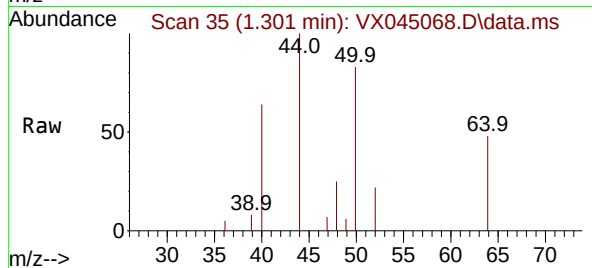
#3
Chloromethane
Concen: 0.975 ug/l
RT: 1.301 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion: 50 Resp: 1552
Ion Ratio Lower Upper
50 100
52 26.3 25.0 37.4

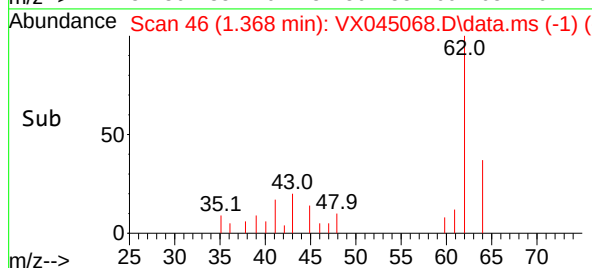
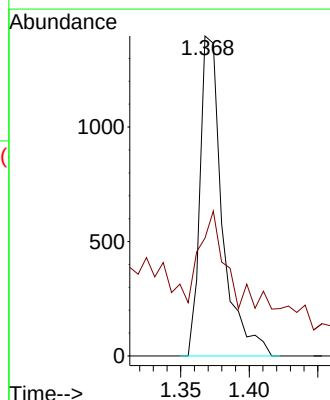
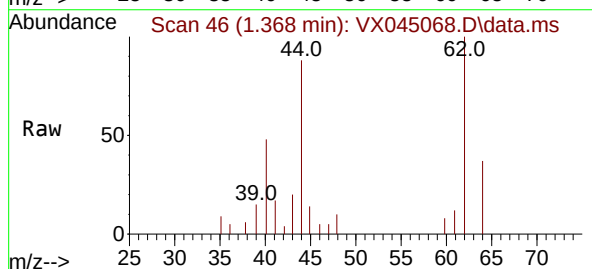
Manual Integrations
APPROVED

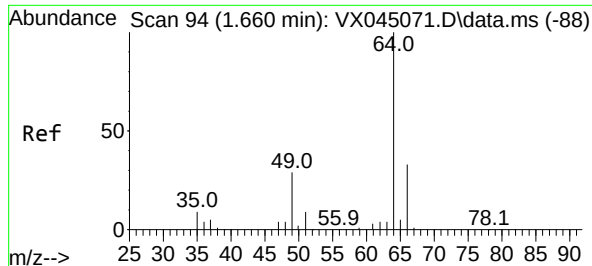
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#4
Vinyl Chloride
Concen: 1.008 ug/l
RT: 1.368 min Scan# 46
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

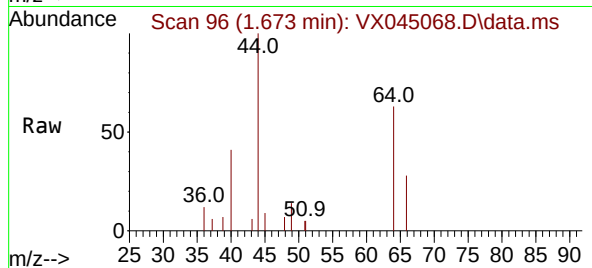
Tgt Ion: 62 Resp: 1588
Ion Ratio Lower Upper
62 100
64 22.0 24.3 36.5#





#6
Chloroethane
Concen: 0.992 ug/l m
RT: 1.673 min Scan# 94
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

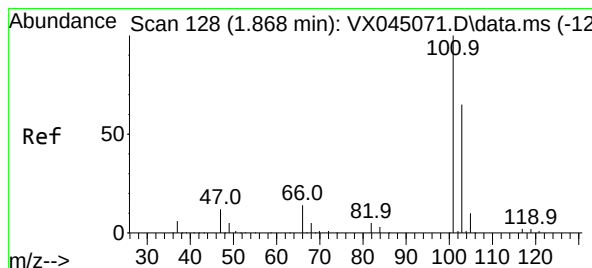
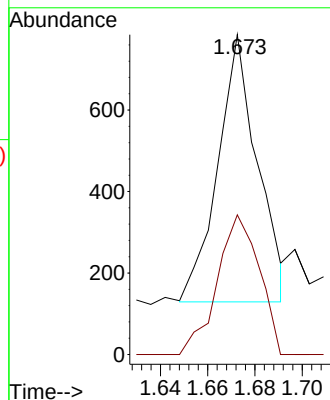
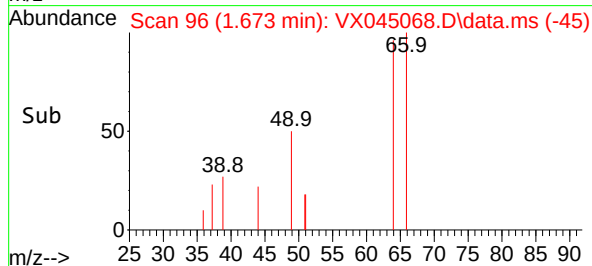
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion: 64 Resp: 760
Ion Ratio Lower Upper
64 100
66 43.7 26.7 40.1

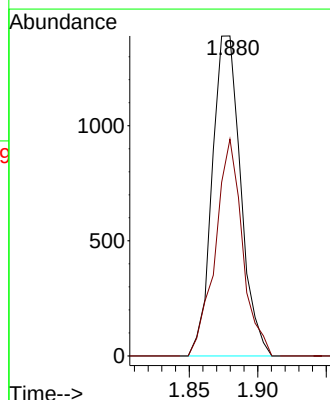
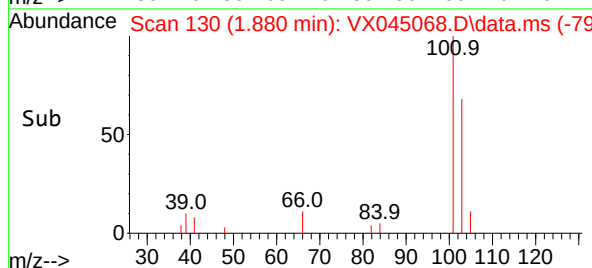
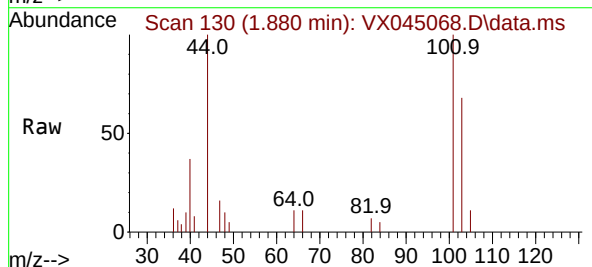
Manual Integrations
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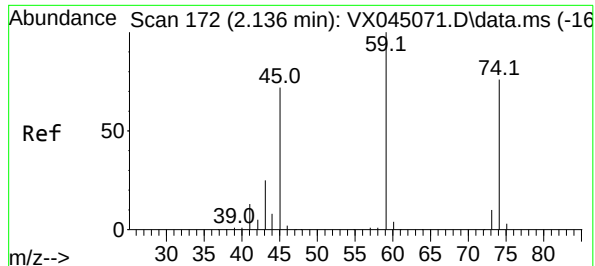
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#7
Trichlorofluoromethane
Concen: 0.957 ug/l
RT: 1.880 min Scan# 130
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:101 Resp: 2011
Ion Ratio Lower Upper
101 100
103 67.8 52.1 78.1



#8
Diethyl Ether

Concen: 1.045 ug/l

RT: 2.130 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 74 Resp: 83

Ion Ratio Lower Upper

74 100

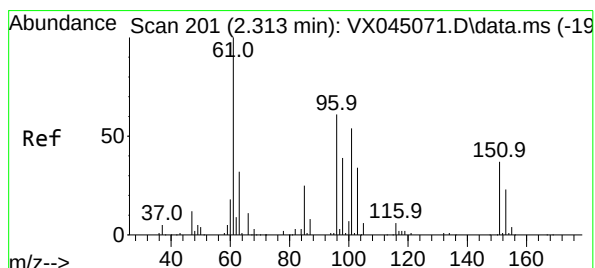
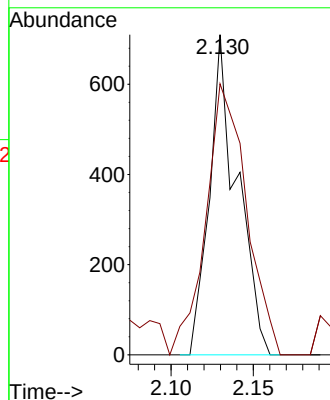
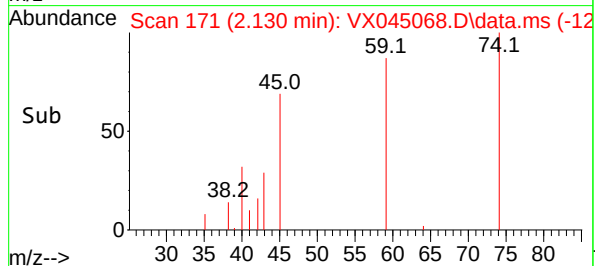
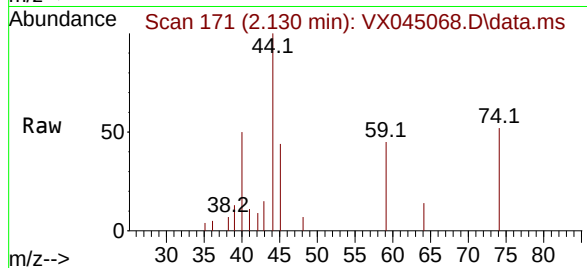
45 123.5 51.5 154.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.884 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

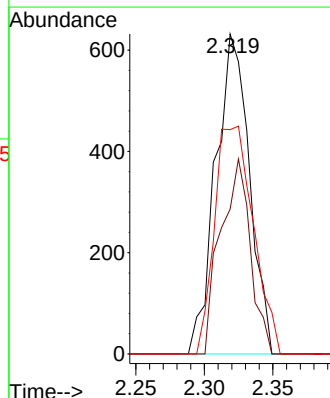
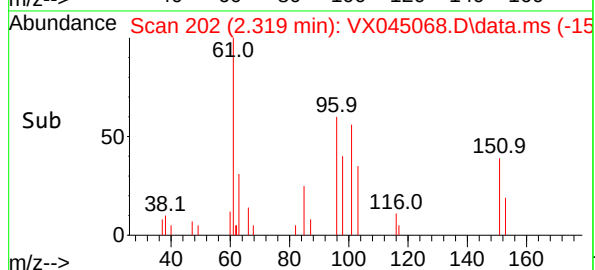
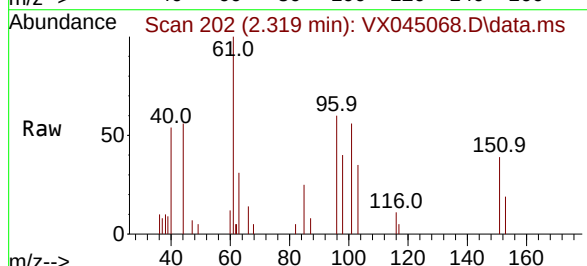
Tgt Ion:101 Resp: 1081

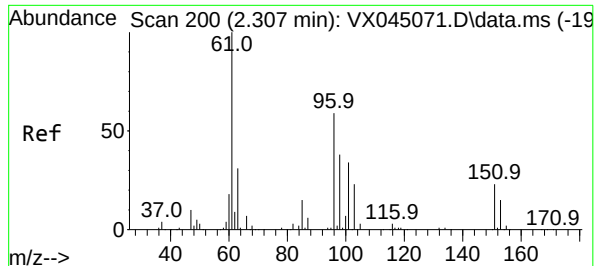
Ion Ratio Lower Upper

101 100

85 53.7 36.2 54.4

151 81.9 56.4 84.6





#12

1,1-Dichloroethene

Concen: 0.991 ug/l

RT: 2.313 min Scan# 200

Delta R.T. 0.006 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 125

Ion Ratio Lower Upper

96 100

61 157.4 134.6 202.0

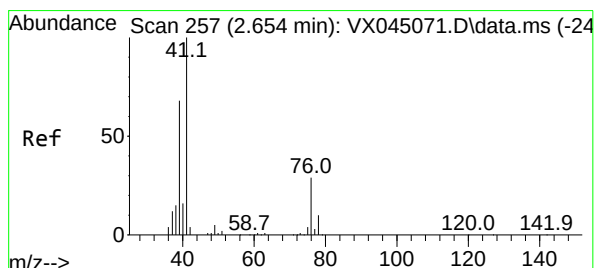
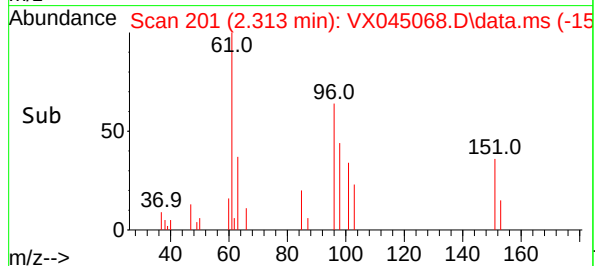
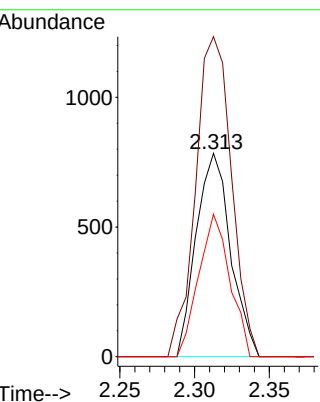
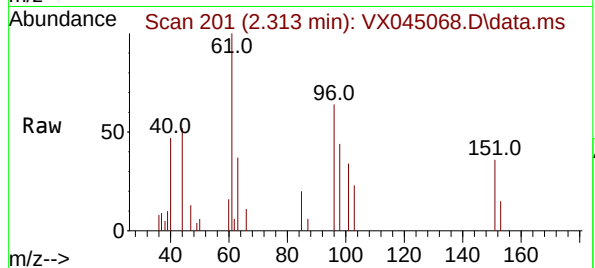
98 70.0 51.0 76.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#14

Allyl chloride

Concen: 1.055 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.006 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

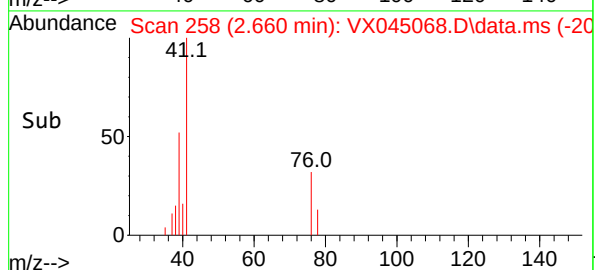
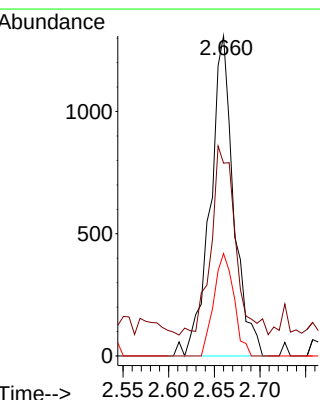
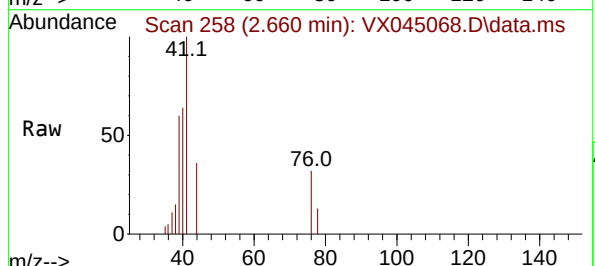
Tgt Ion: 41 Resp: 2343

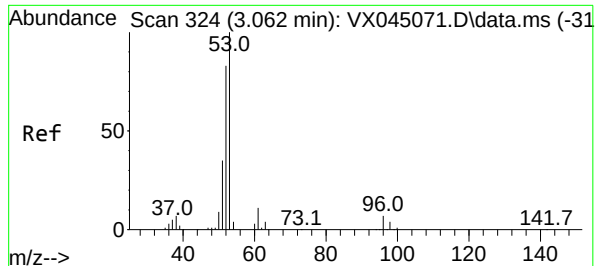
Ion Ratio Lower Upper

41 100

39 62.3 53.8 80.8

76 27.4 25.2 37.8





#15

Acrylonitrile

Concen: 4.931 ug/l

RT: 3.075 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

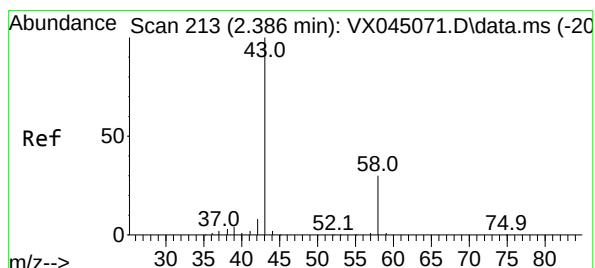
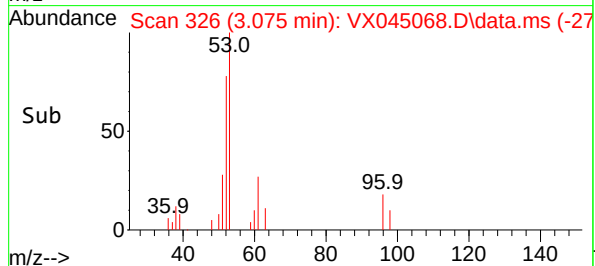
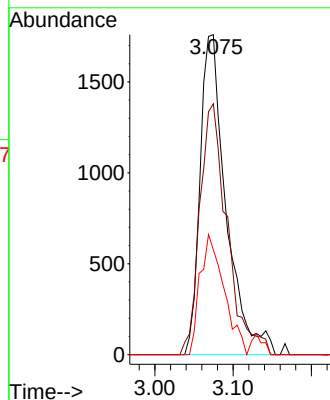
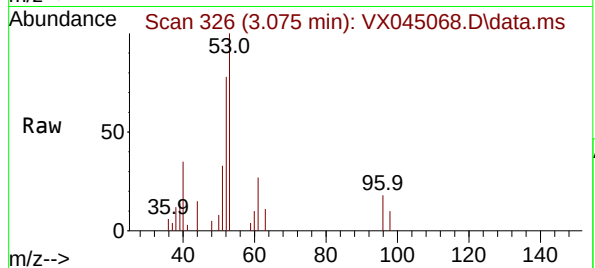
Tgt Ion:	53	Resp:	406
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.2
51	34.6	29.0	43.4

Manual Integrations

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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#16

Acetone

Concen: 5.635 ug/l

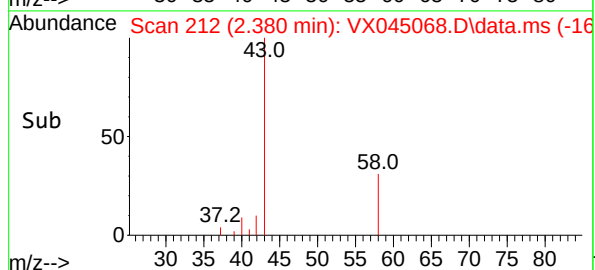
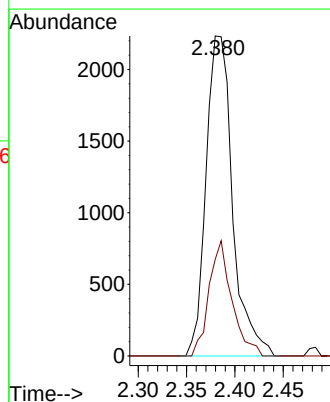
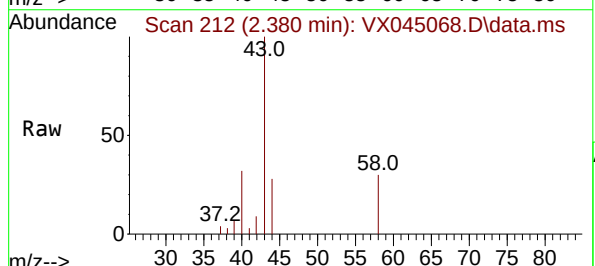
RT: 2.380 min Scan# 212

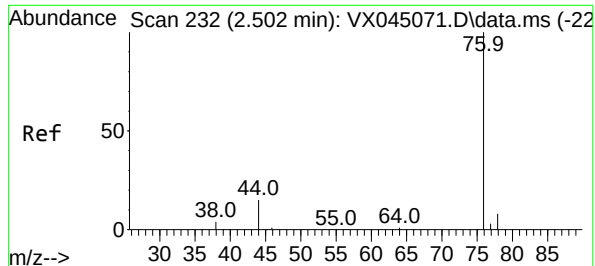
Delta R.T. -0.006 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Tgt Ion:	43	Resp:	4259
Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.2	36.4





#17

Carbon Disulfide

Concen: 0.956 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 76 Resp: 3250

Ion Ratio Lower Upper

76 100

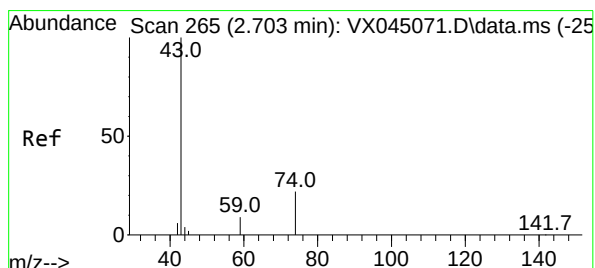
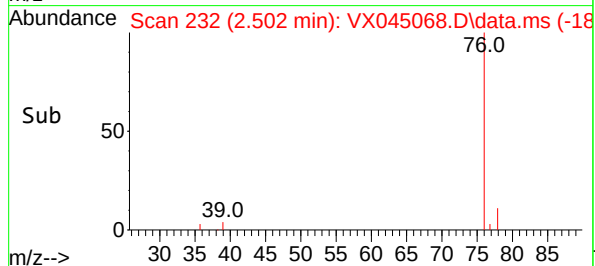
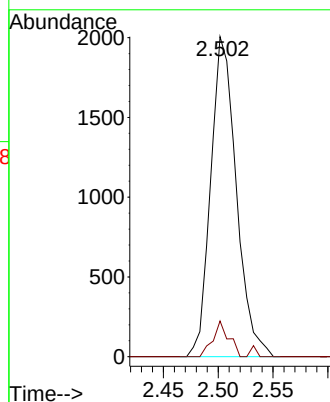
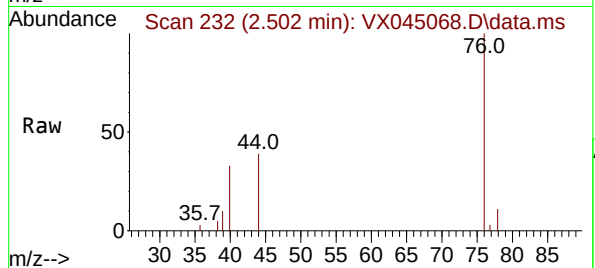
78 11.2 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#18

Methyl Acetate

Concen: 1.066 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX045068.D

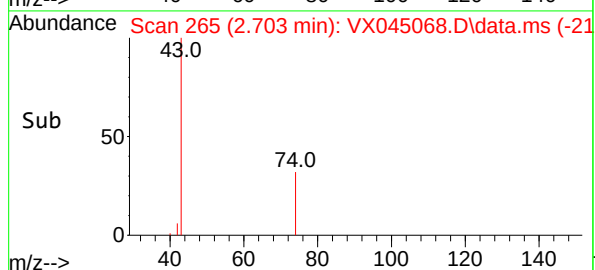
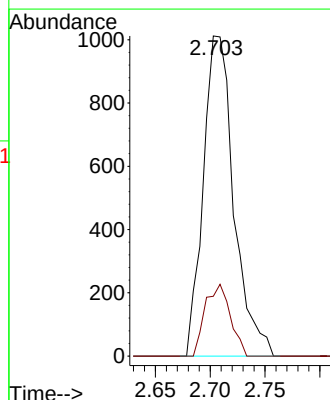
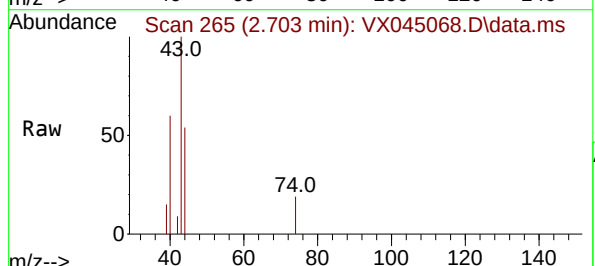
Acq: 28 Feb 2025 01:27

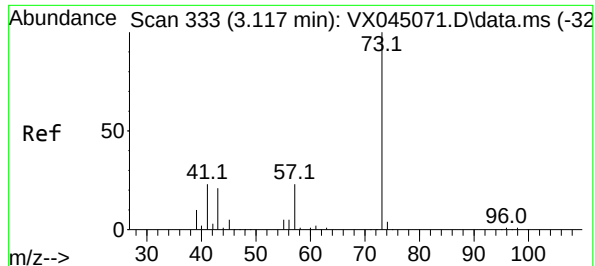
Tgt Ion: 43 Resp: 1960

Ion Ratio Lower Upper

43 100

74 18.5 17.4 26.2





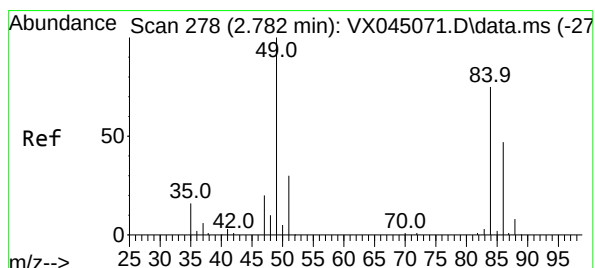
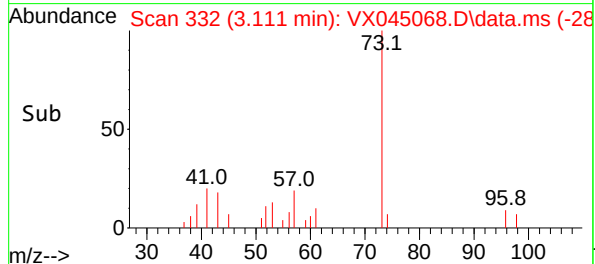
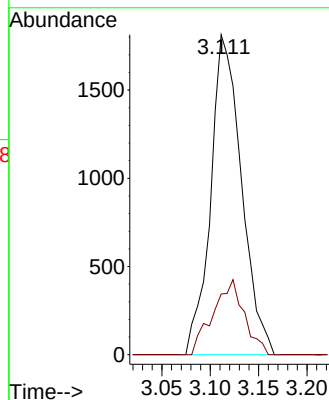
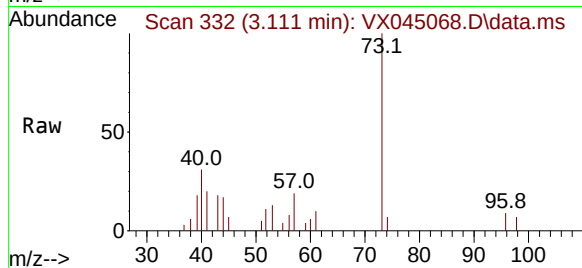
#19
Methyl tert-butyl Ether
Concen: 0.943 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 401
Ion Ratio Lower Upper
73 100
57 19.0 18.5 27.7

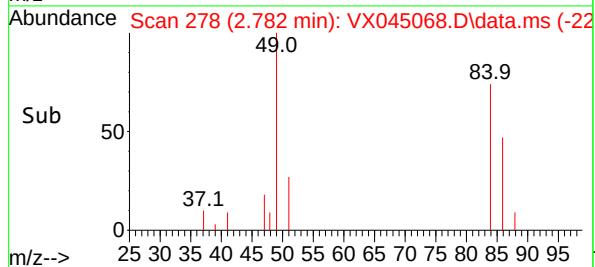
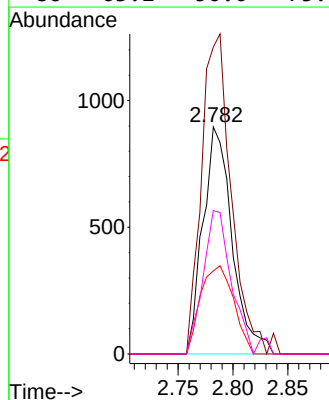
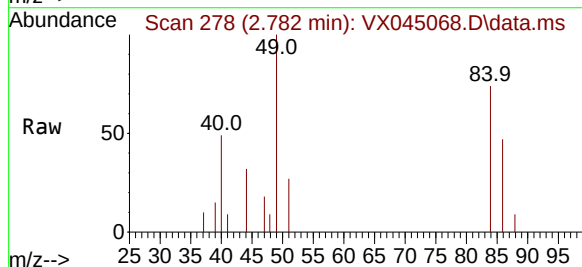
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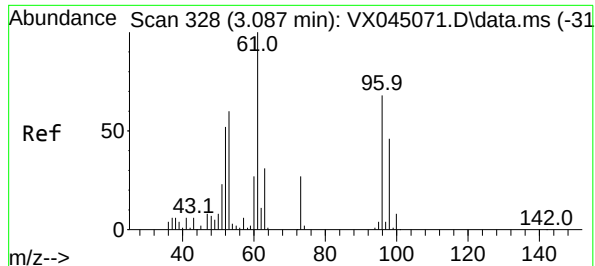
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#20
Methylene Chloride
Concen: 1.095 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 84 Resp: 1656
Ion Ratio Lower Upper
84 100
49 135.2 106.5 159.7
51 36.6 32.1 48.1
86 63.2 50.0 75.0





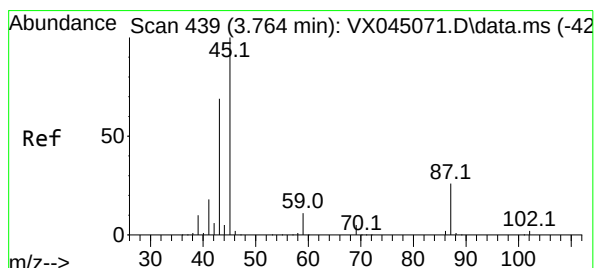
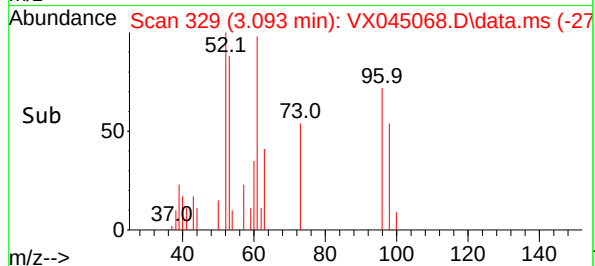
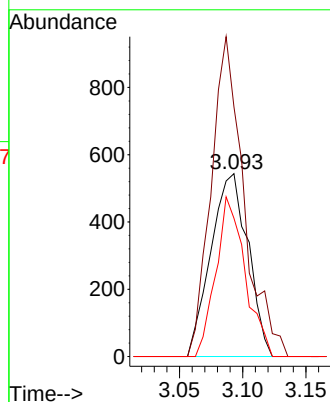
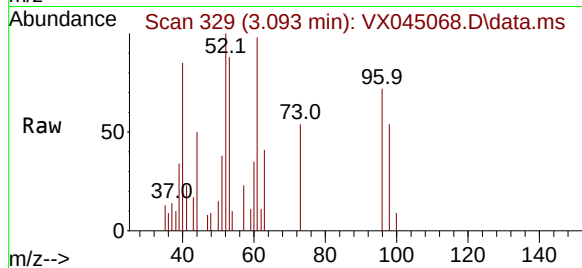
#21
trans-1,2-Dichloroethene
Concen: 0.869 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 1109
Ion Ratio Lower Upper
96 100
61 136.4 117.0 175.4
98 75.6 53.4 80.2

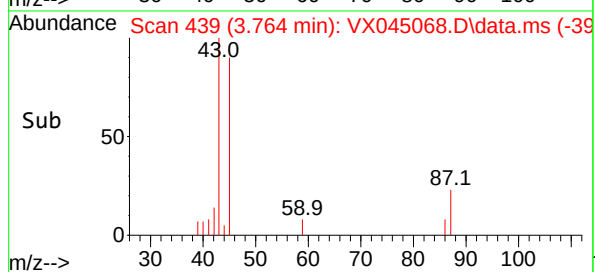
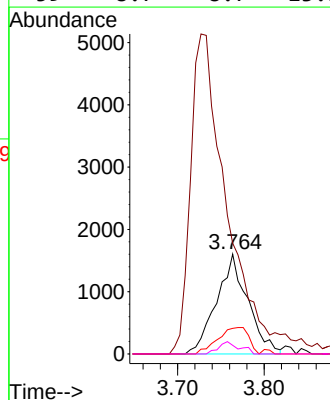
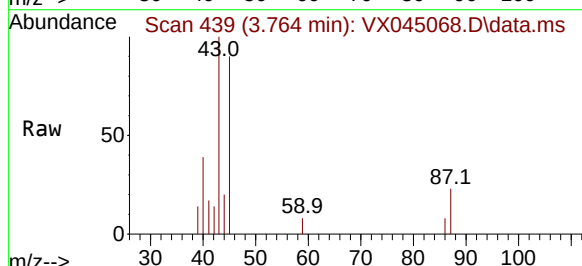
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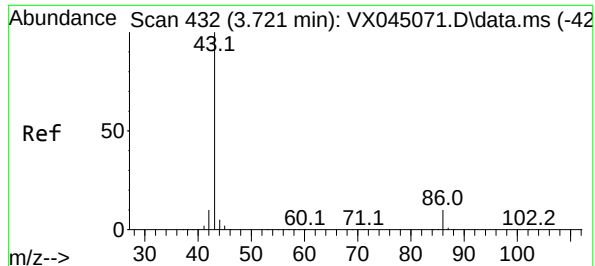
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#22
Diisopropyl ether
Concen: 0.871 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 45 Resp: 4026
Ion Ratio Lower Upper
45 100
43 91.9 54.9 82.3#
87 25.6 21.0 31.4
59 8.7 8.7 13.1





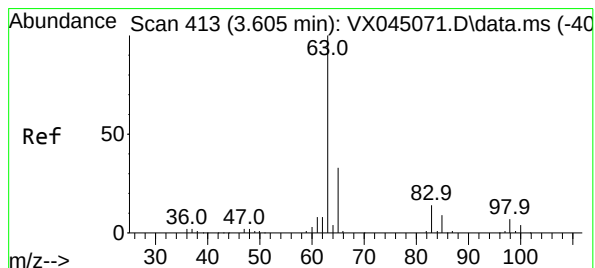
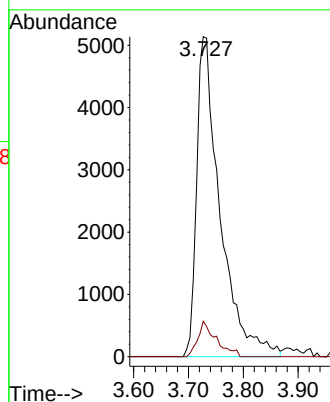
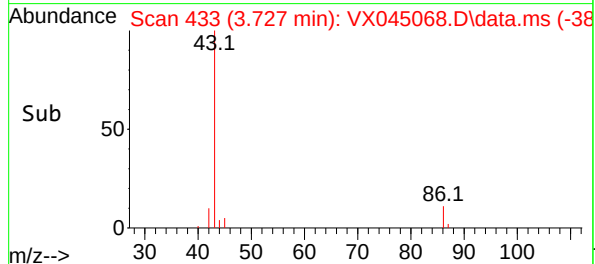
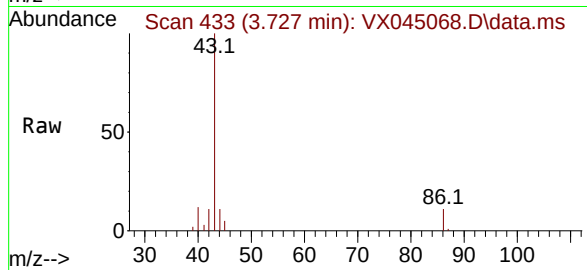
#23
Vinyl Acetate
Concen: 3.971 ug/l
RT: 3.727 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 1527
Ion Ratio Lower Upper
43 100
86 11.1 8.1 12.1

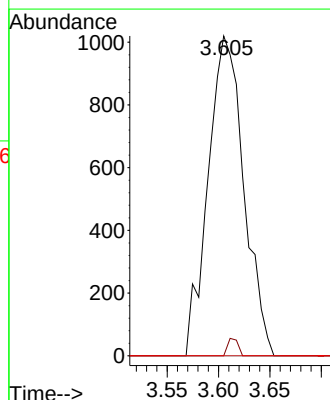
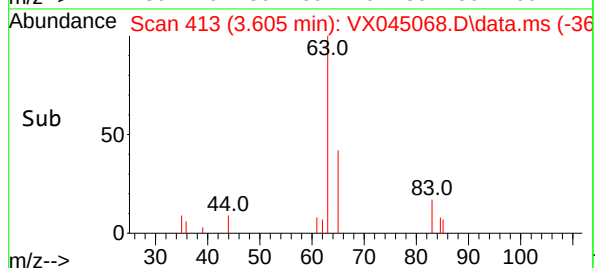
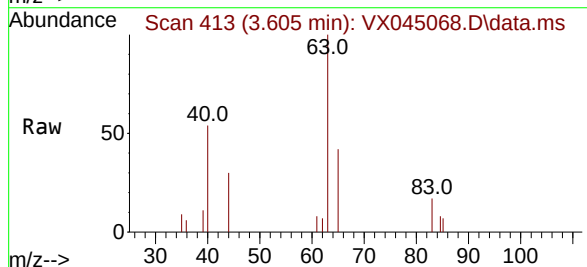
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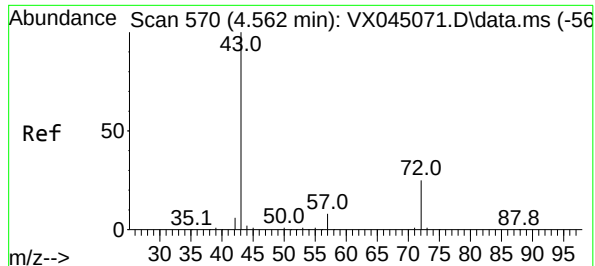
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#24
1,1-Dichloroethane
Concen: 0.958 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 2467
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.2#
100 0.0 2.1 6.5#





#25

2-Butanone

Concen: 4.252 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 43 Resp: 4894

Ion Ratio Lower Upper

43 100

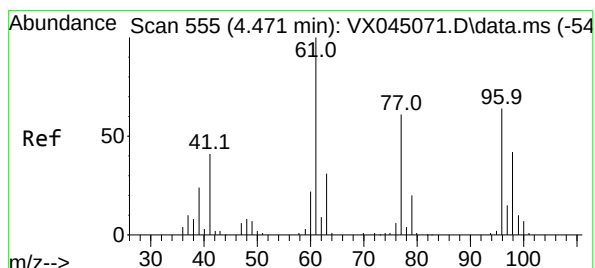
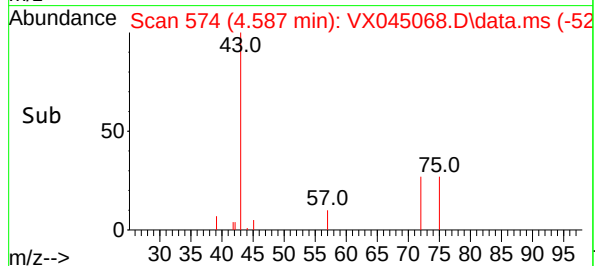
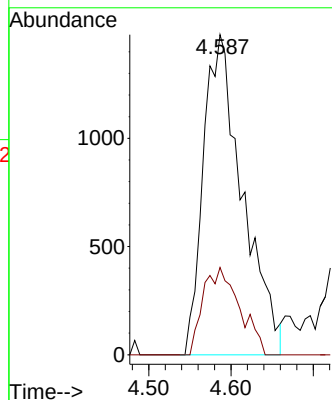
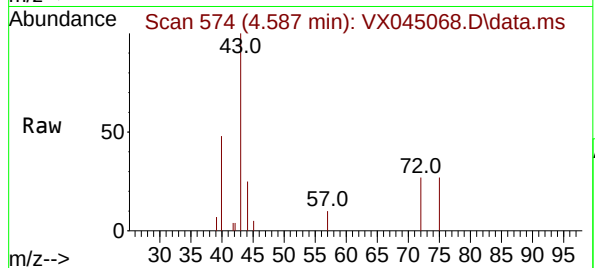
72 27.2 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#26

2,2-Dichloropropane

Concen: 0.872 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.000 min

Lab File: VX045068.D

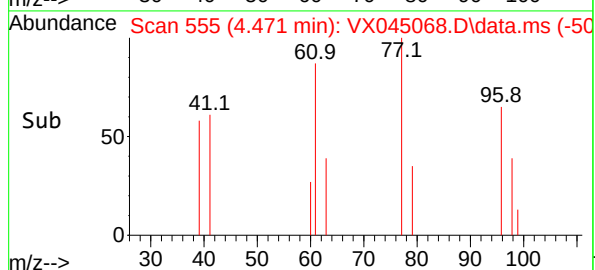
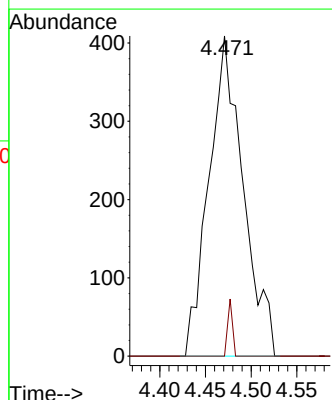
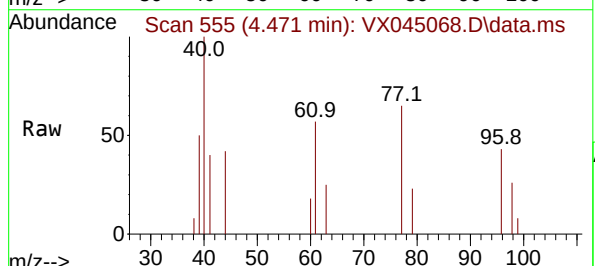
Acq: 28 Feb 2025 01:27

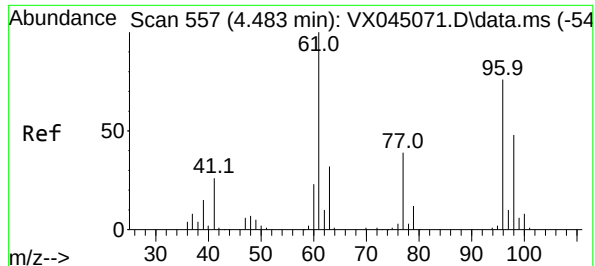
Tgt Ion: 77 Resp: 1066

Ion Ratio Lower Upper

77 100

97 2.5 12.4 37.0#





#27

cis-1,2-Dichloroethene

Concen: 0.902 ug/l

RT: 4.501 min Scan# 5

Delta R.T. 0.018 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 141

Ion Ratio Lower Upper

96 100

61 0.0 0.0 283.2

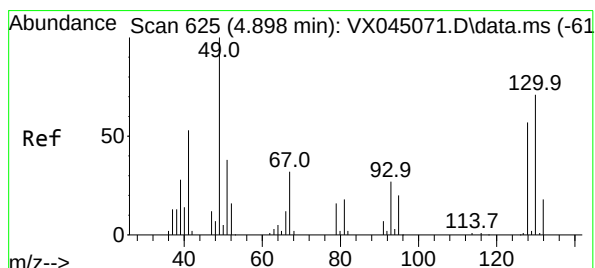
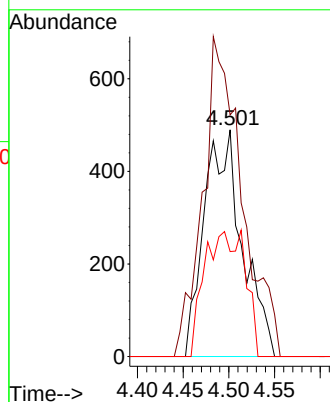
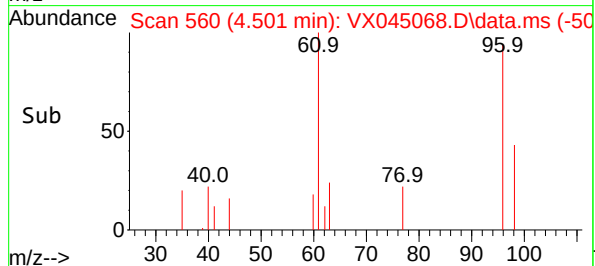
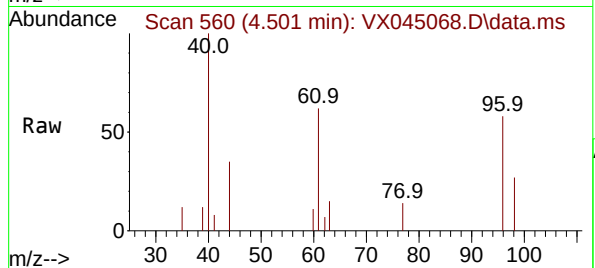
98 59.1 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#28

Bromochloromethane

Concen: 0.958 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.012 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

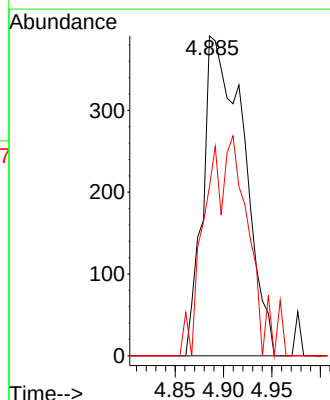
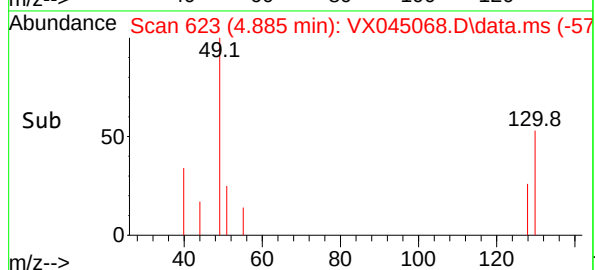
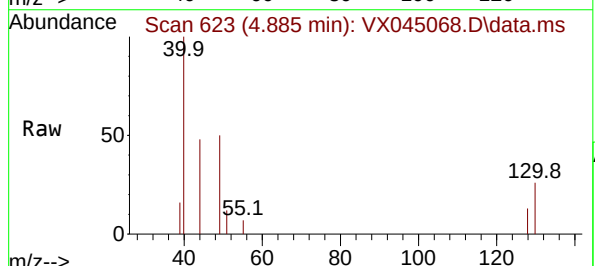
Tgt Ion: 49 Resp: 1144

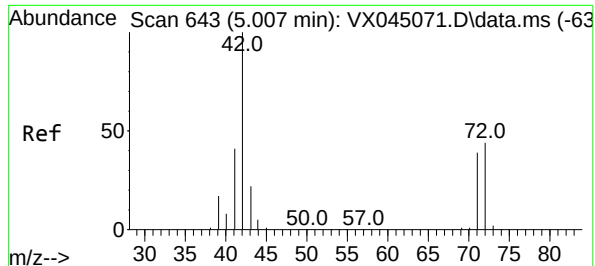
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.4

130 31.5 56.1 84.1#





#29

Tetrahydrofuran

Concen: 4.809 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

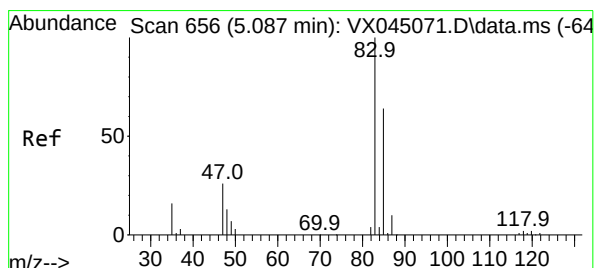
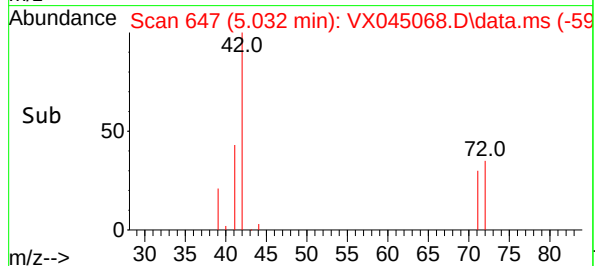
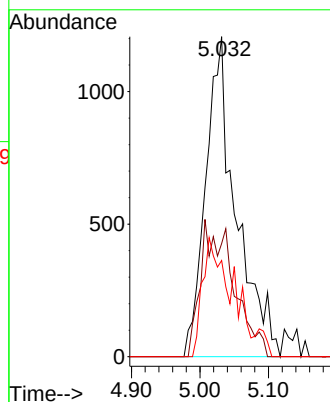
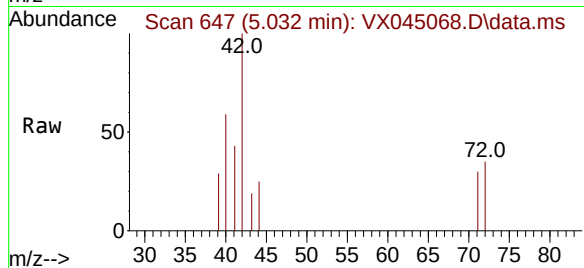
Tgt Ion:	42	Resp:	3719
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.1	51.1
71	0.0	31.4	47.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#30

Chloroform

Concen: 0.978 ug/l

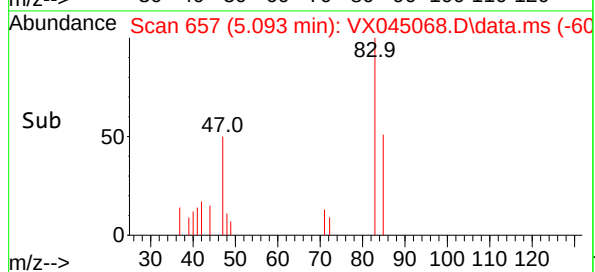
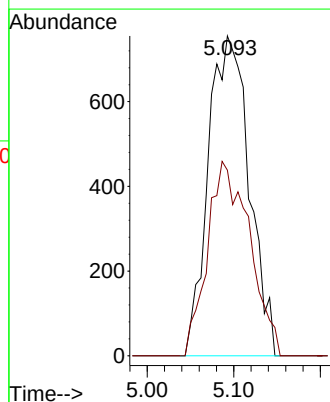
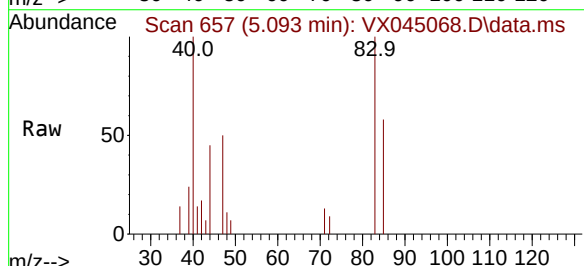
RT: 5.093 min Scan# 657

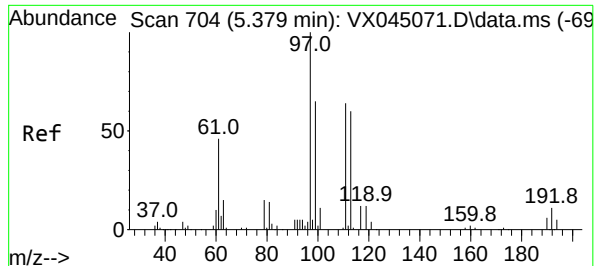
Delta R.T. 0.006 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Tgt Ion:	83	Resp:	2478
Ion	Ratio	Lower	Upper
83	100		
85	58.0	51.4	77.2





#32

1,1,1-Trichloroethane

Concen: 0.893 ug/l

RT: 5.373 min Scan# 70

Delta R.T. -0.006 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 186

Ion Ratio Lower Upper

97 100

99 0.0 51.6 77.4

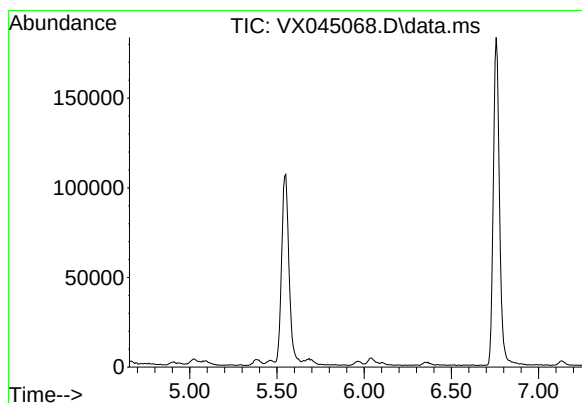
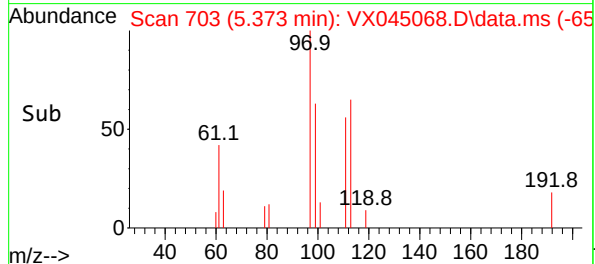
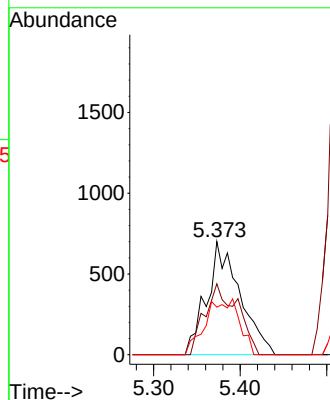
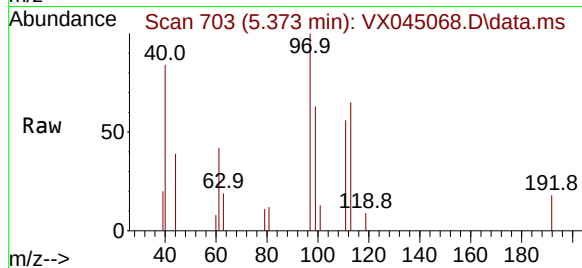
61 50.0 38.4 57.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 5.95 min

Lab File: VX045068.D

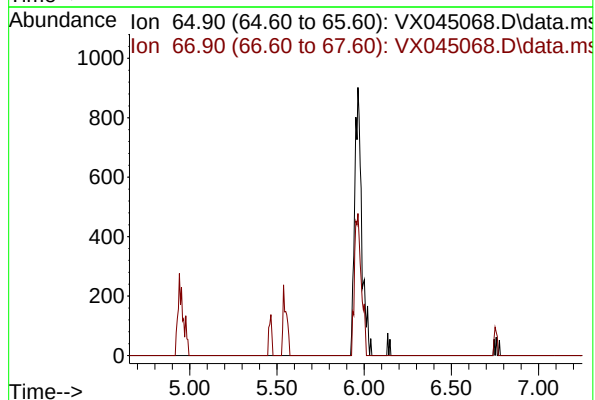
Acq: 28 Feb 2025 01:27

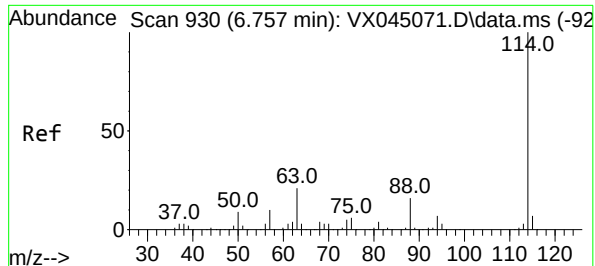
Tgt Ion: 65

Sig Exp Ratio

65 100

67 53.1





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:114 Resp: 18864

Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.8

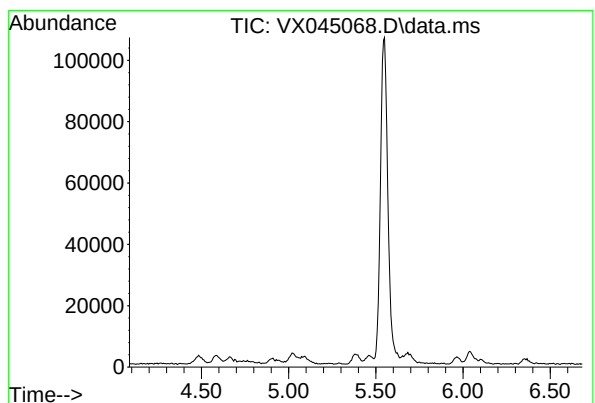
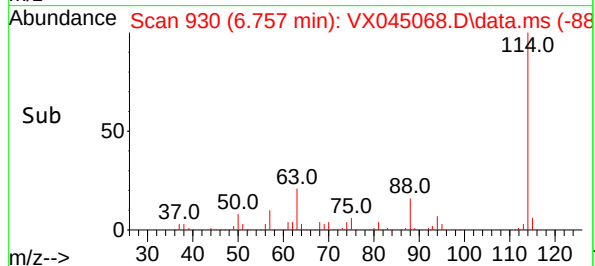
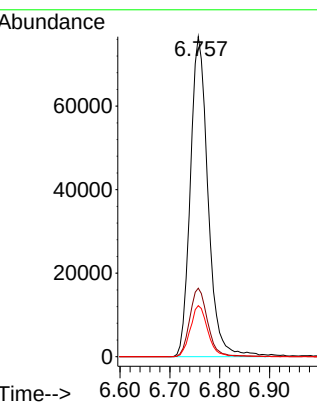
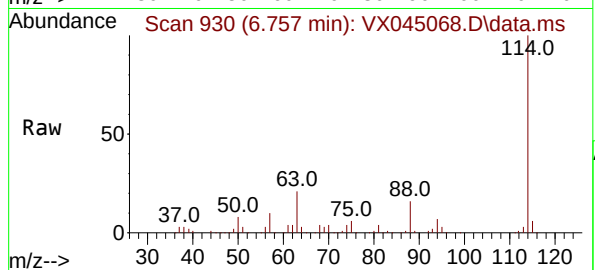
88 16.0 0.0 32.8

Manual Integrations

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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 5.39 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

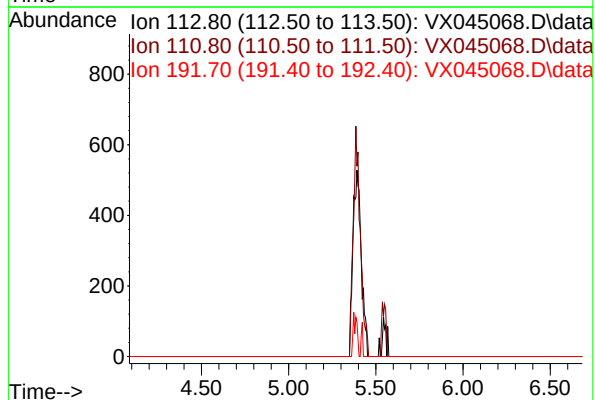
Tgt Ion: 113

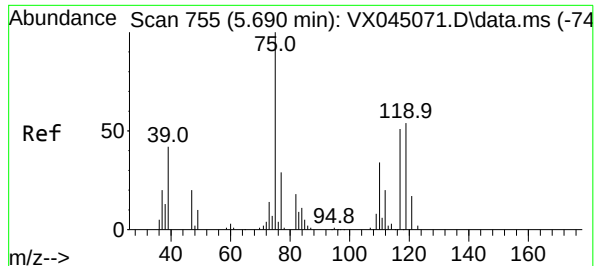
Sig Exp Ratio

113 100

111 102.2

192 17.9





#36

1,1-Dichloropropene

Concen: 0.967 ug/l

RT: 5.690 min Scan# 755

Delta R.T. 0.000 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 75 Resp: 168

Ion Ratio Lower Upper

75 100

110 29.6 16.9 50.6

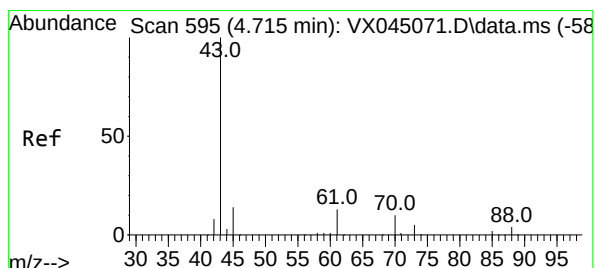
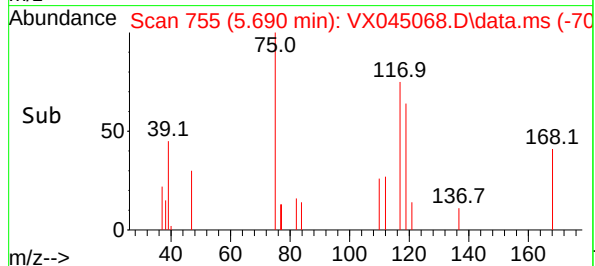
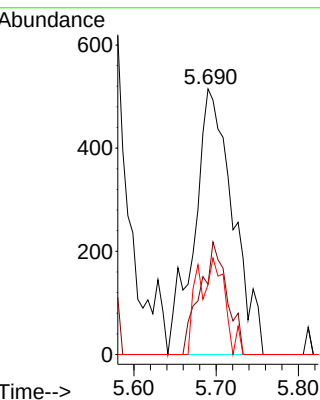
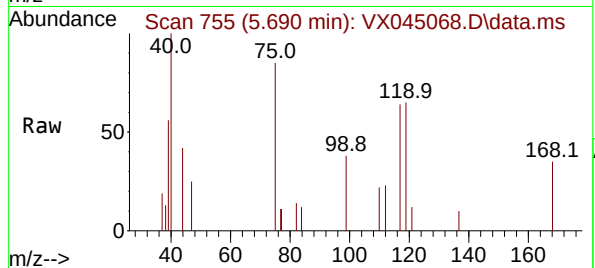
77 16.4 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#37

Ethyl Acetate

Concen: 0.988 ug/l m

RT: 4.739 min Scan# 599

Delta R.T. 0.024 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

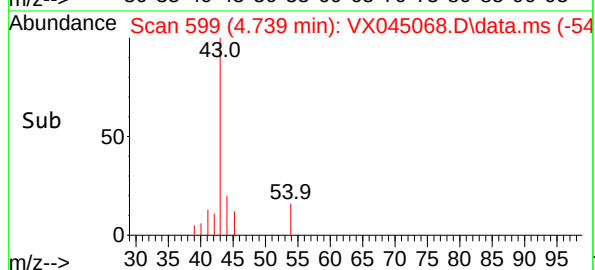
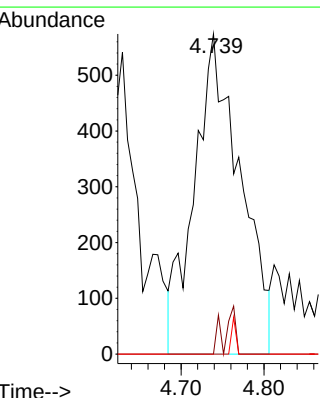
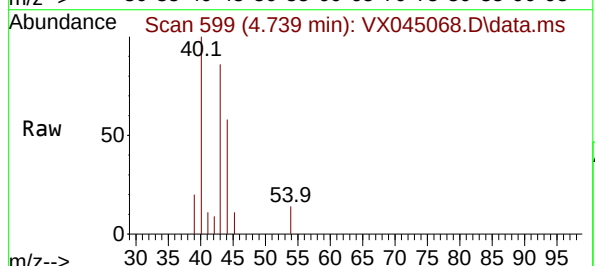
Tgt Ion: 43 Resp: 2223

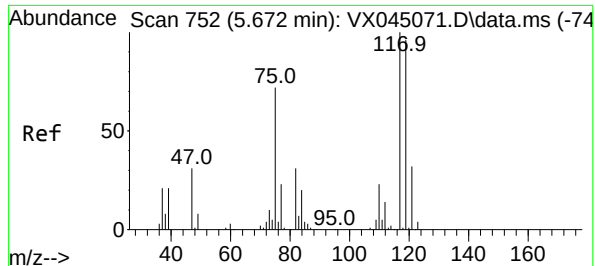
Ion Ratio Lower Upper

43 100

61 0.0 10.8 16.2#

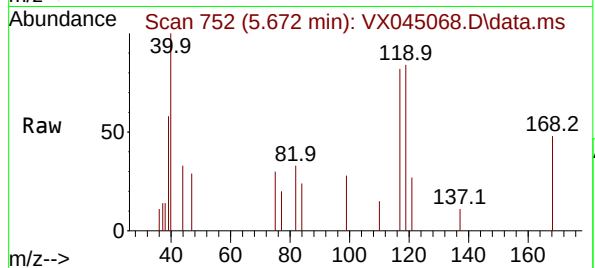
70 0.0 7.7 11.5#





#38
Carbon Tetrachloride
Concen: 0.987 ug/l m
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

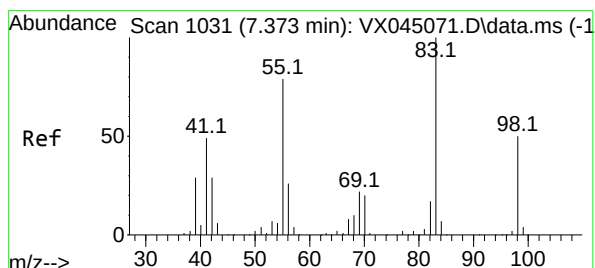
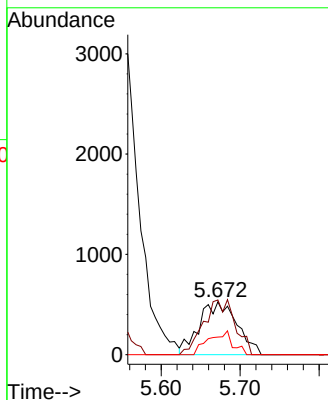
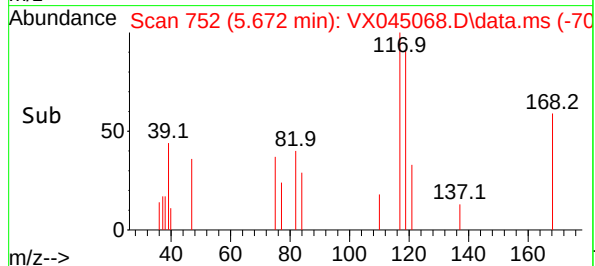
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion: 117 Resp: 174
Ion Ratio Lower Upper
117 100
119 103.4 76.7 115.1
121 33.2 25.5 38.3

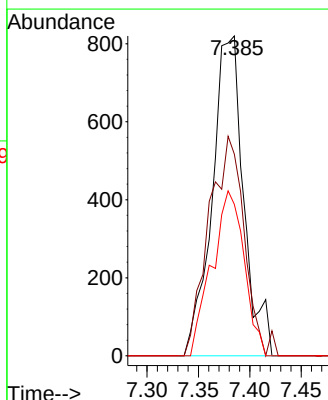
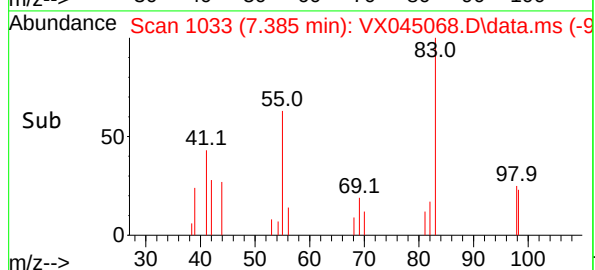
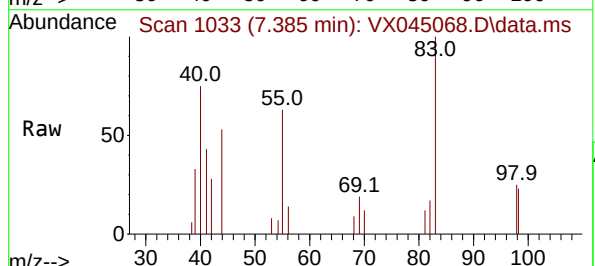
Manual Integrations
APPROVED

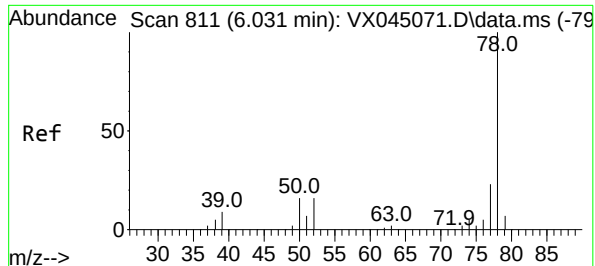
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#39
Methylcyclohexane
Concen: 0.831 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 1750
Ion Ratio Lower Upper
83 100
55 63.0 63.0 94.4
98 47.3 39.7 59.5





#40

Benzene

Concen: 0.907 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 78 Resp: 4984

Ion Ratio Lower Upper

78 100

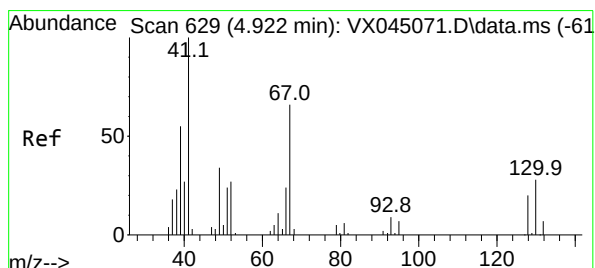
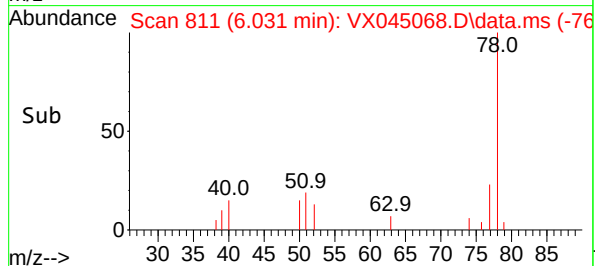
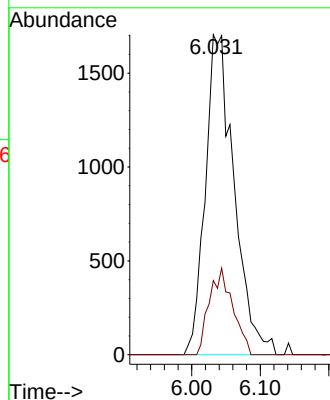
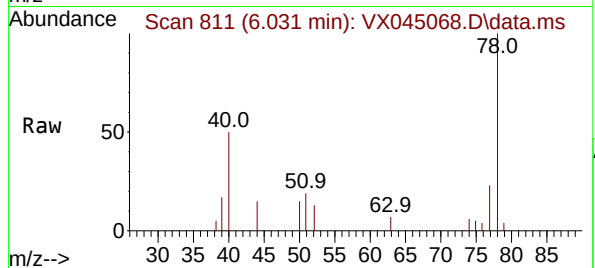
77 23.2 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#41

Methacrylonitrile

Concen: 0.879 ug/l m

RT: 4.958 min Scan# 635

Delta R.T. 0.037 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Tgt Ion: 41 Resp: 1072

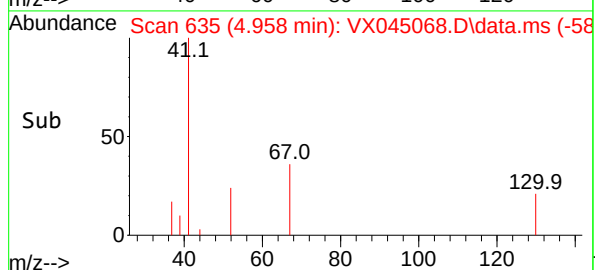
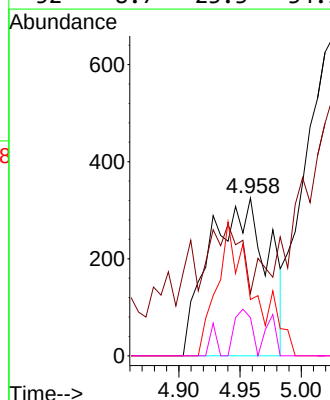
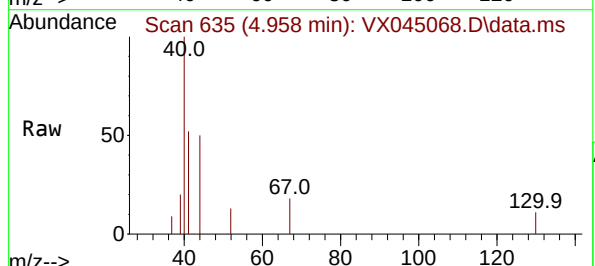
Ion Ratio Lower Upper

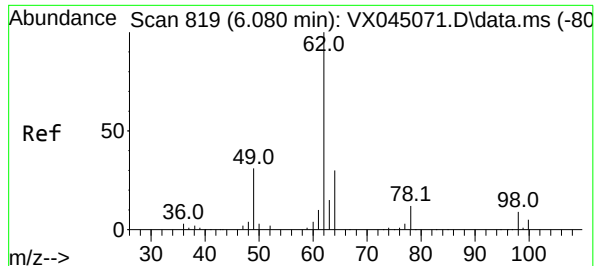
41 100

39 29.2 44.6 67.0#

67 53.9 53.9 80.9#

52 8.7 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.924 ug/l

RT: 6.099 min Scan# 819

Delta R.T. 0.018 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Tgt Ion: 62 Resp: 183

Ion Ratio Lower Upper

62 100

98 1.2 0.0 18.2

Instrument :

MSVOA_X

ClientSampleId :

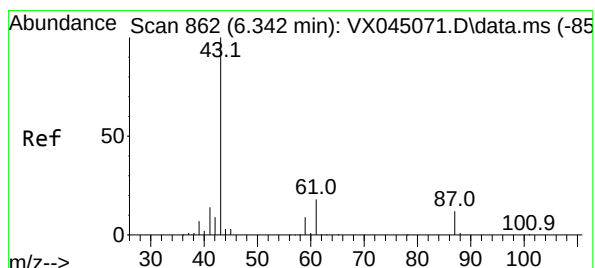
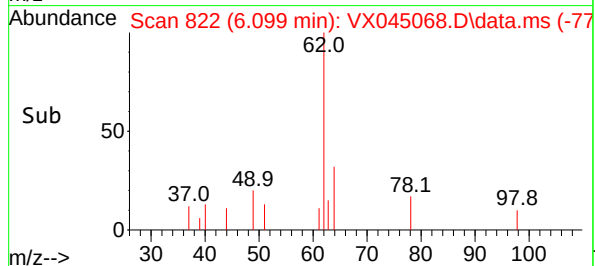
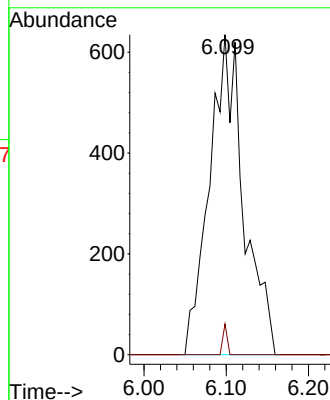
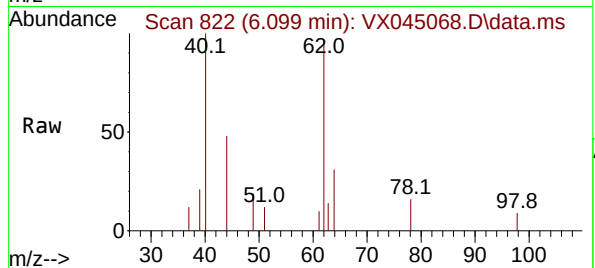
VSTDIC001

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#43

Isopropyl Acetate

Concen: 0.767 ug/l

RT: 6.355 min Scan# 864

Delta R.T. 0.012 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

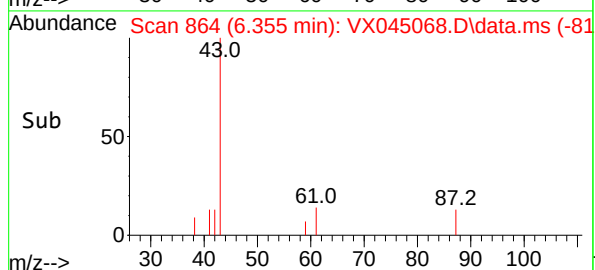
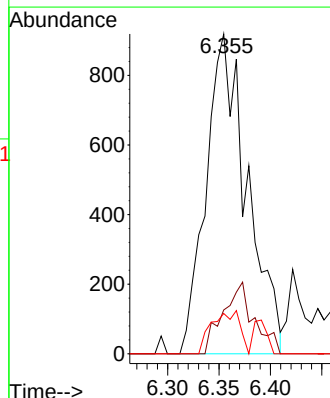
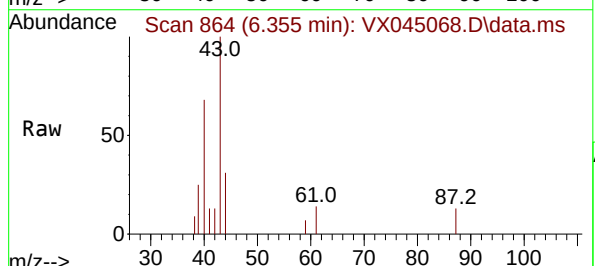
Tgt Ion: 43 Resp: 2545

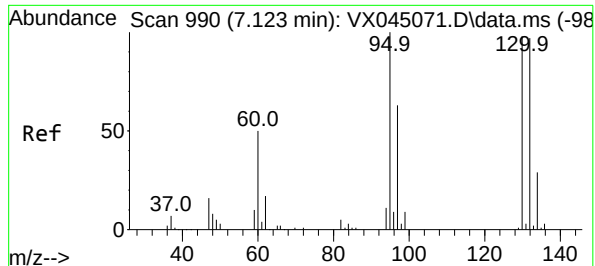
Ion Ratio Lower Upper

43 100

61 17.0 14.9 22.3

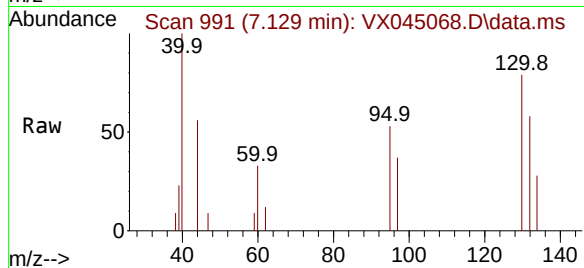
87 9.2 9.4 14.2#





#44
Trichloroethene
Concen: 0.933 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

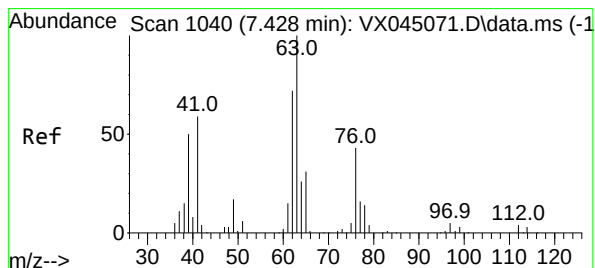
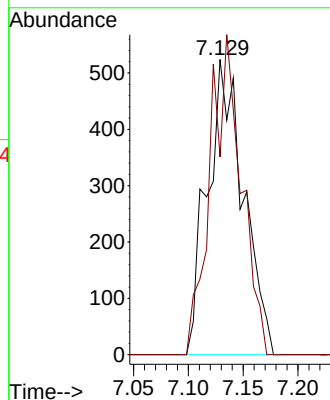
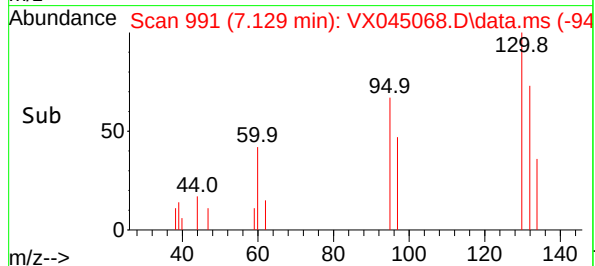
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion:130 Resp: 120
Ion Ratio Lower Upper
130 100
95 67.0 0.0 205.0

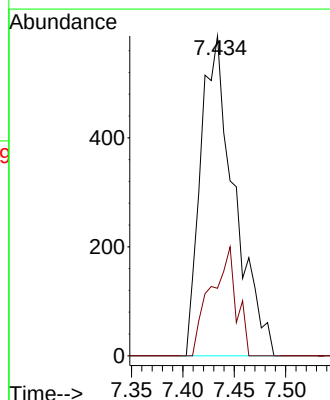
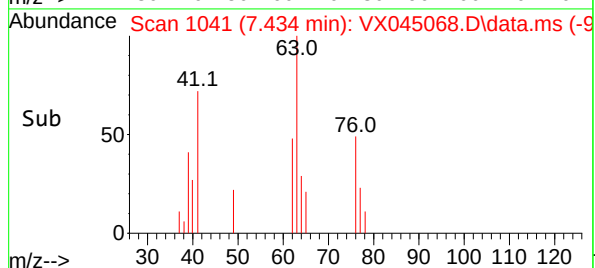
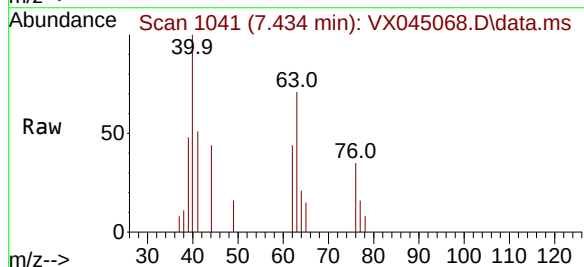
Manual Integrations
APPROVED

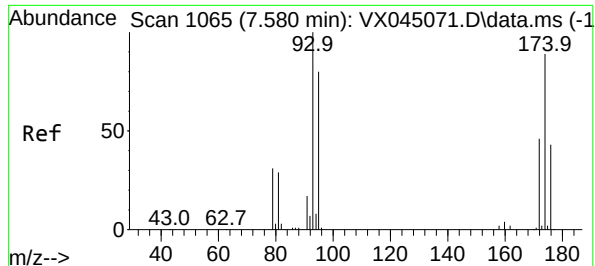
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#45
1,2-Dichloropropane
Concen: 0.971 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

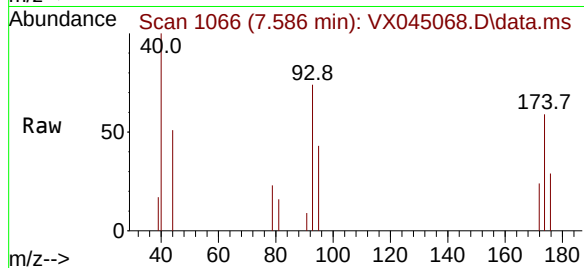
Tgt Ion: 63 Resp: 1334
Ion Ratio Lower Upper
63 100
65 21.1 24.7 37.1#





#46
Dibromomethane
Concen: 0.897 ug/l
RT: 7.586 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

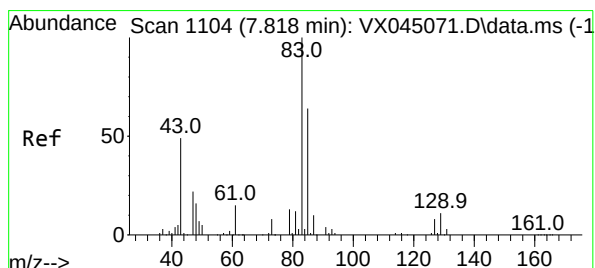
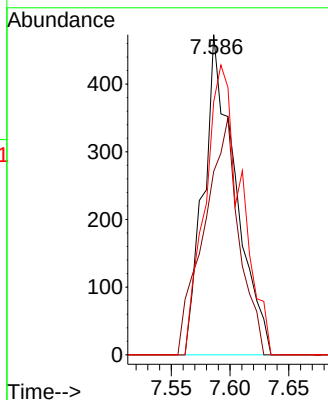
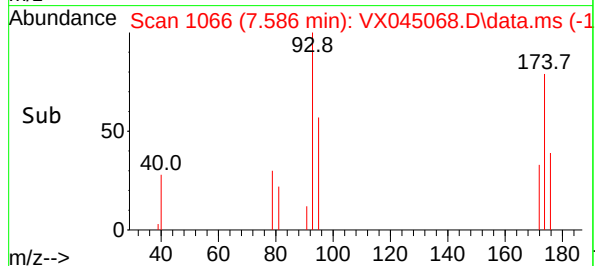
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion: 93 Resp: 891
Ion Ratio Lower Upper
93 100
95 80.9 65.8 98.8
174 102.8 72.2 108.2

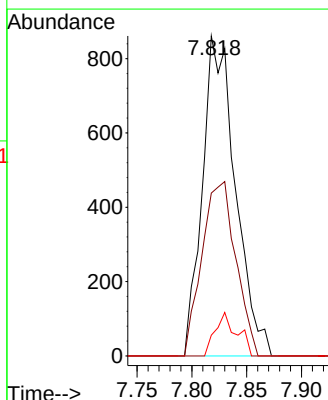
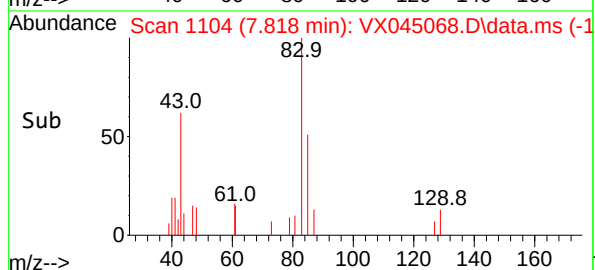
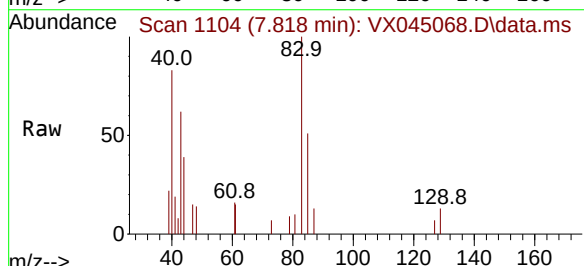
Manual Integrations
APPROVED

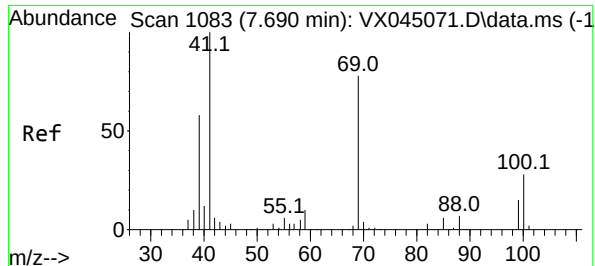
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#47
Bromodichloromethane
Concen: 0.927 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

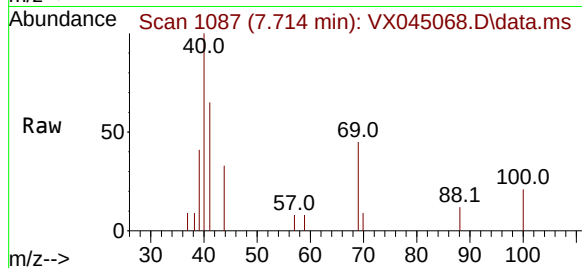
Tgt Ion: 83 Resp: 1802
Ion Ratio Lower Upper
83 100
85 50.9 51.1 76.7#
127 6.5 6.4 9.6





#48
Methyl methacrylate
Concen: 0.825 ug/l m
RT: 7.714 min Scan# 1087
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

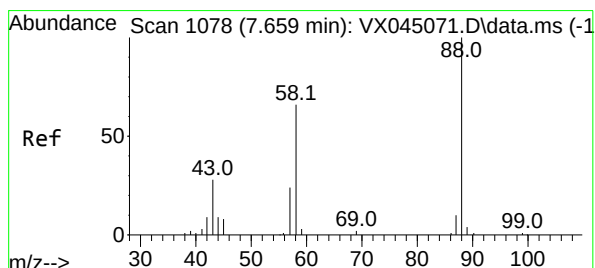
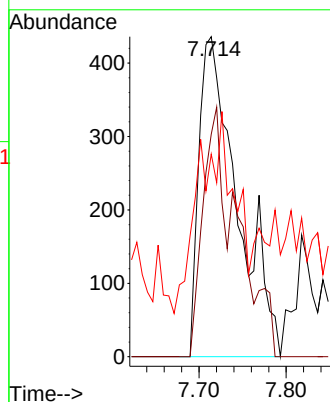
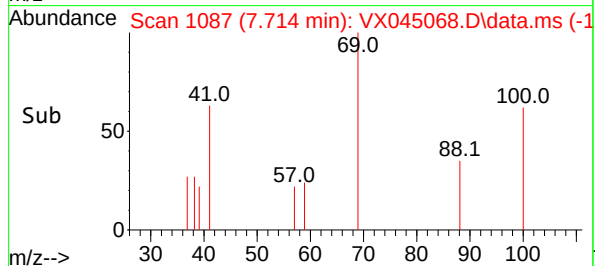
Instrument :
MSVOA_X
Client Sample Id :
VSTDICC001



Tgt Ion: 41 Resp: 1328
Ion Ratio Lower Upper
41 100
69 41.4 63.0 94.6
39 20.7 47.5 71.3

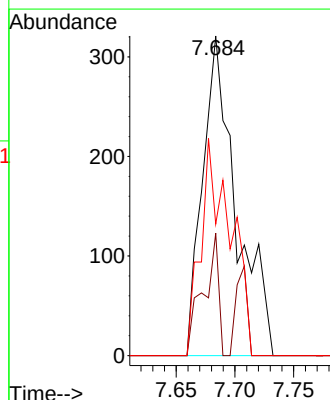
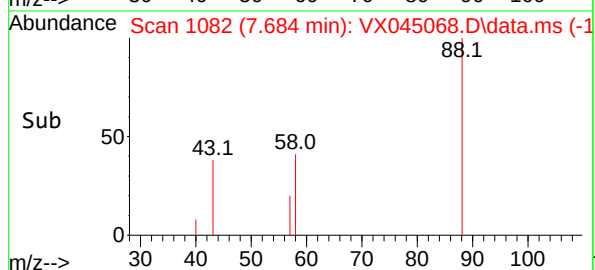
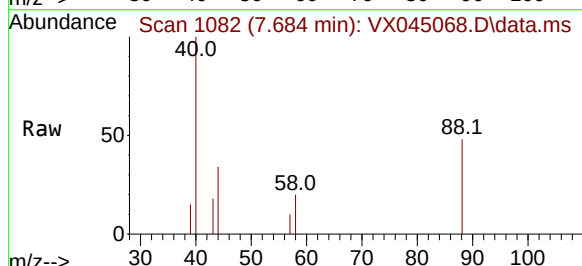
Manual Integrations
APPROVED

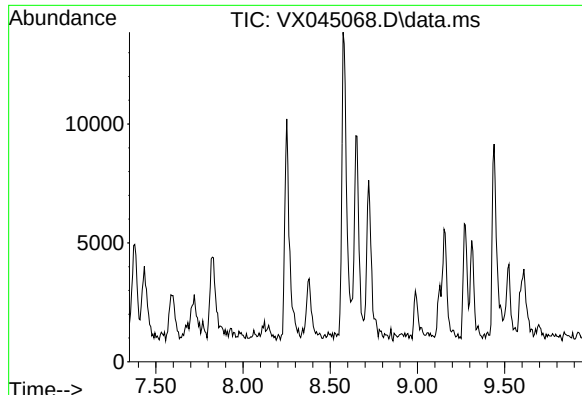
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#49
1,4-Dioxane
Concen: 18.144 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 88 Resp: 639
Ion Ratio Lower Upper
88 100
43 17.2 28.7 43.1#
58 59.9 55.8 83.8





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.65 min

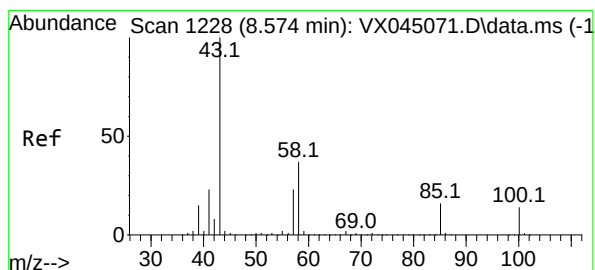
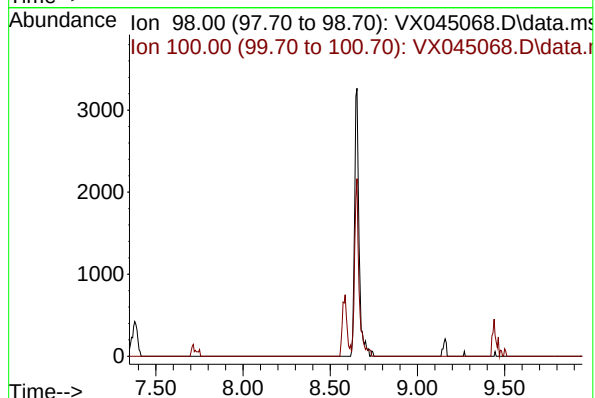
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 98
Sig Exp Ratio
98 100
100 65.0

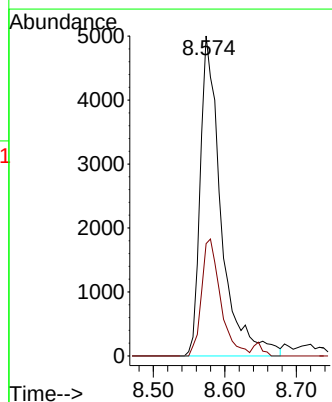
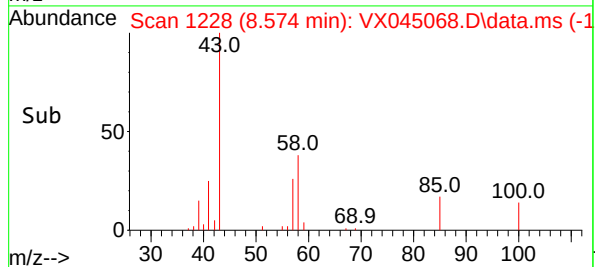
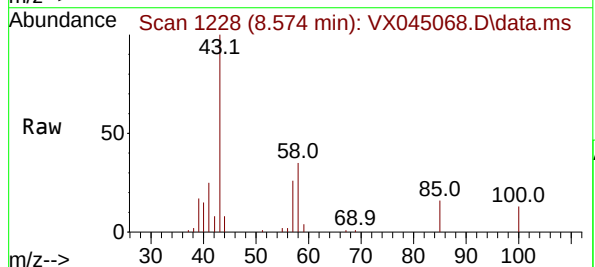
Manual Integrations
APPROVED

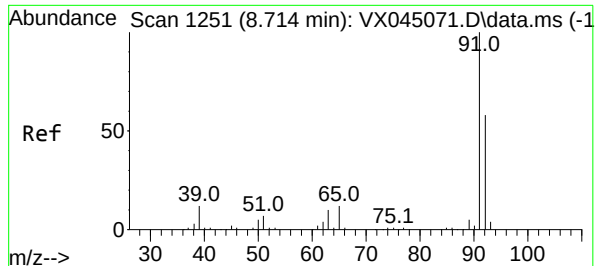
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#51
4-Methyl-2-Pentanone
Concen: 4.567 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

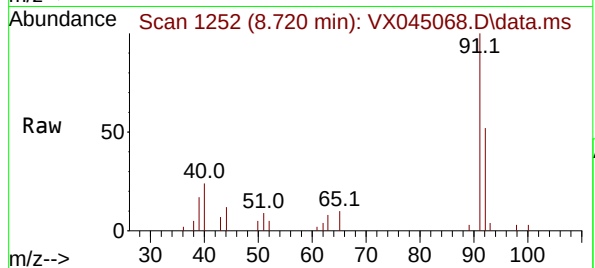
Tgt Ion: 43 Resp: 10091
Ion Ratio Lower Upper
43 100
58 33.5 29.2 43.8





#52
Toluene
Concen: 0.841 ug/l
RT: 8.720 min Scan# 1251
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

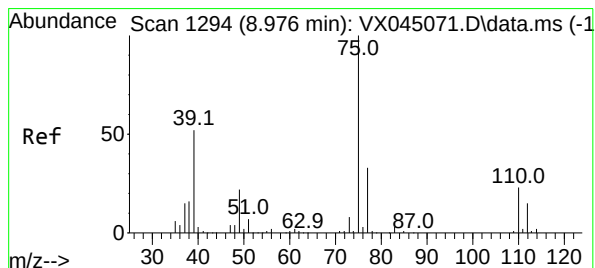
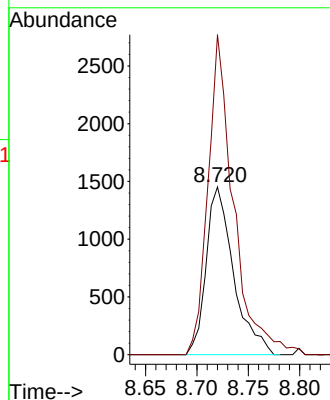
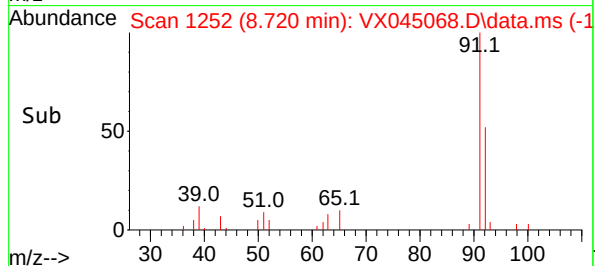
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion: 92 Resp: 2700
Ion Ratio Lower Upper
92 100
91 177.7 138.9 208.3

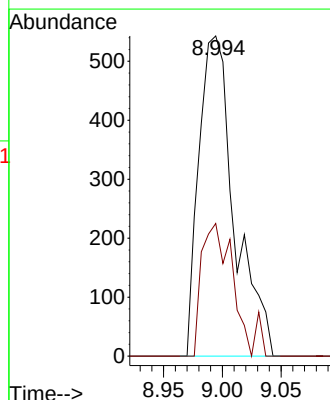
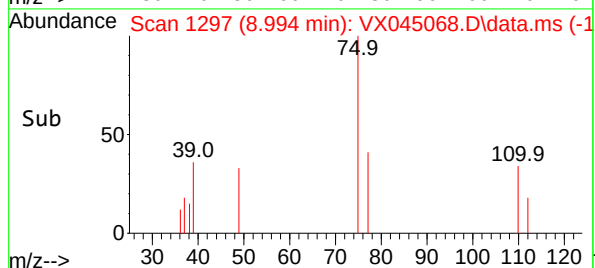
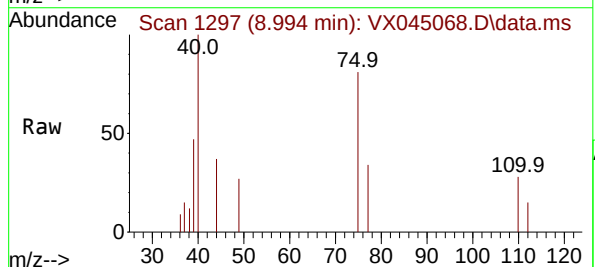
Manual Integrations
APPROVED

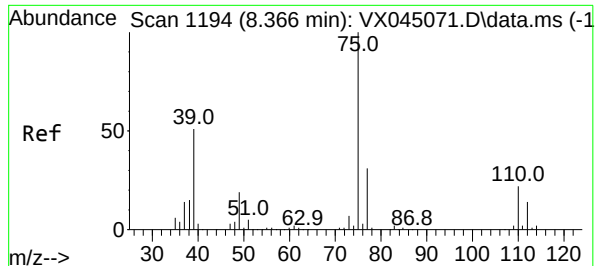
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#53
t-1,3-Dichloropropene
Concen: 0.700 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 1147
Ion Ratio Lower Upper
75 100
77 41.4 26.5 39.7#





#54

cis-1,3-Dichloropropene

Concen: 0.804 ug/l

RT: 8.373 min Scan# 1195

Delta R.T. 0.006 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

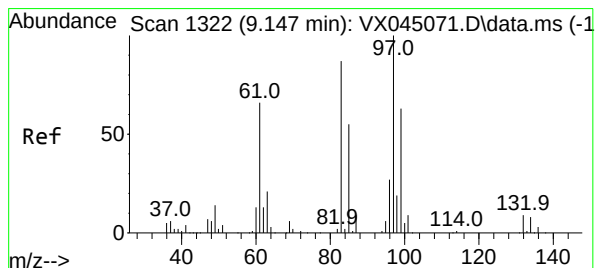
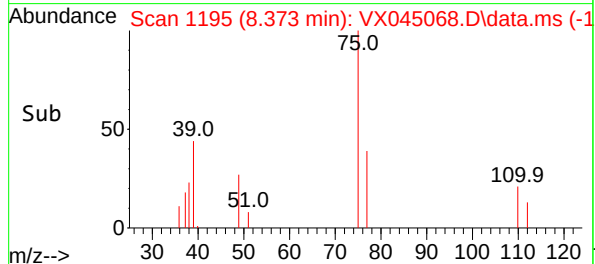
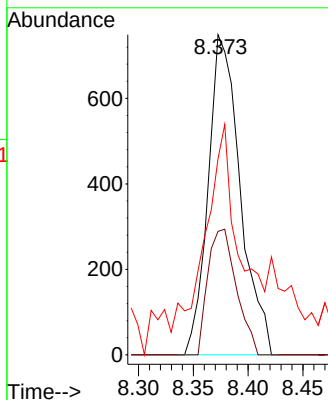
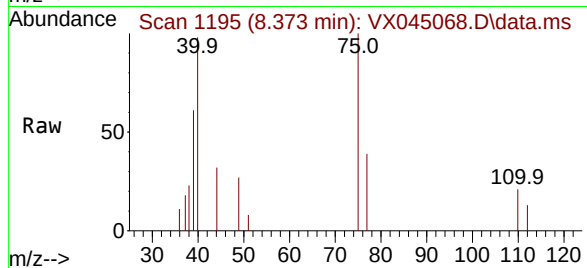
Tgt Ion: 75	Resp: 152
Ion Ratio	Lower Upper
75	100
77	38.6 24.7 37.1
39	45.1 40.7 61.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#55

1,1,2-Trichloroethane

Concen: 1.004 ug/l

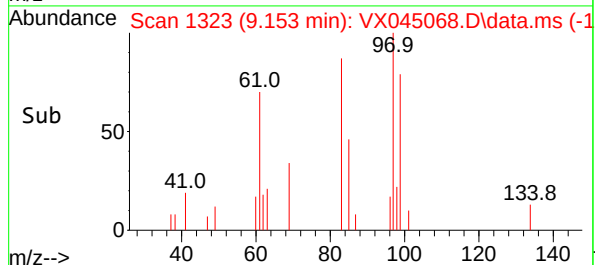
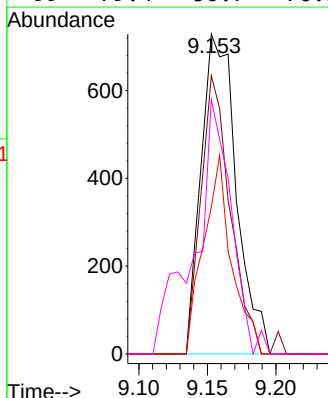
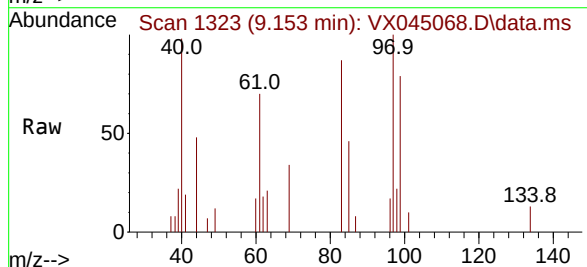
RT: 9.153 min Scan# 1323

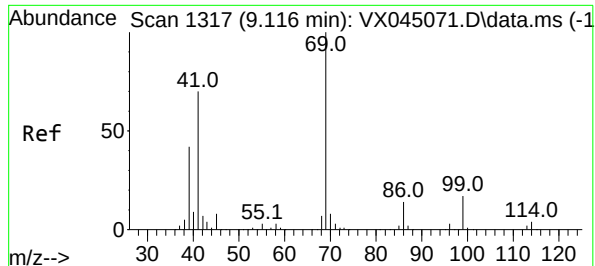
Delta R.T. 0.006 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Tgt Ion: 97	Resp: 1306
Ion Ratio	Lower Upper
97	100
83	87.0 69.4 104.2
85	45.8 44.1 66.1
99	79.4 50.7 76.1





#56

Ethyl methacrylate

Concen: 0.748 ug/l

RT: 9.135 min Scan# 1149

Delta R.T. 0.018 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

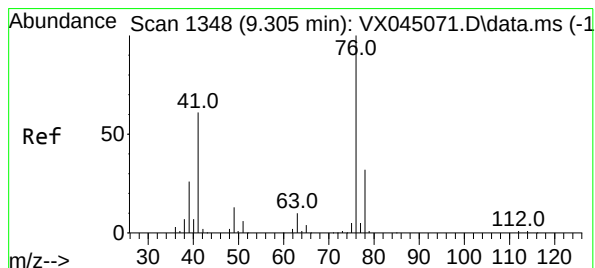
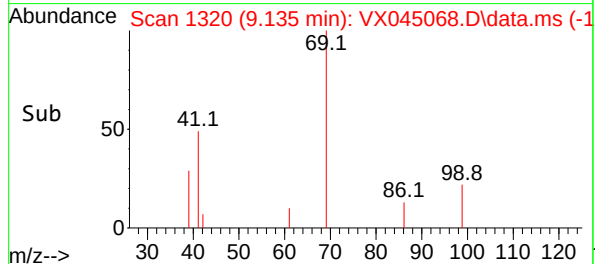
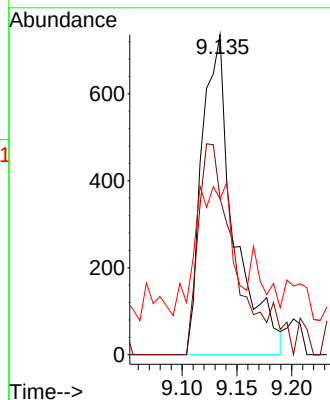
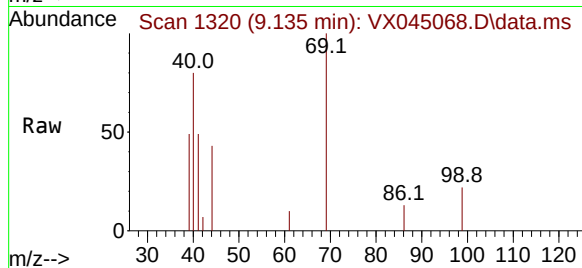
Tgt Ion:	69	Resp:	1494
Ion	Ratio	Lower	Upper
69	100		
41	71.5	57.0	85.4
39	54.6	34.2	51.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#57

1,3-Dichloropropane

Concen: 0.920 ug/l

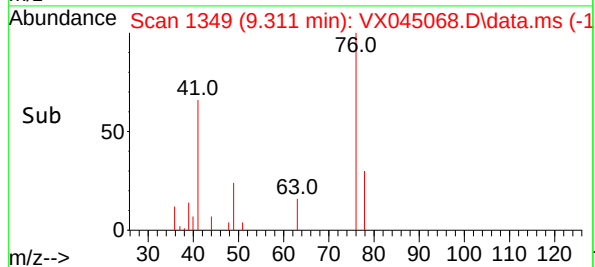
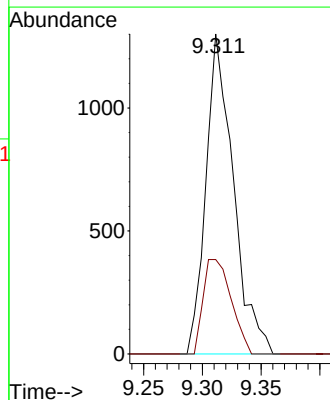
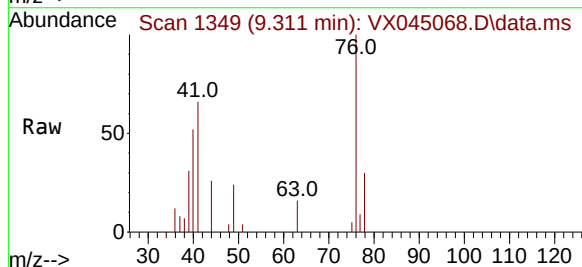
RT: 9.311 min Scan# 1349

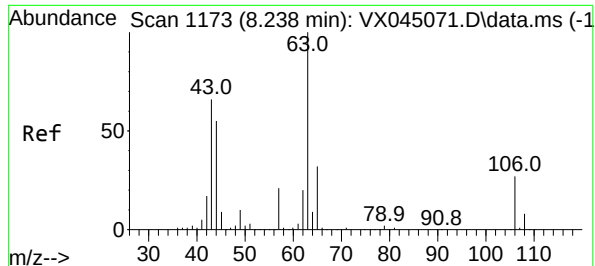
Delta R.T. 0.006 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Tgt Ion:	76	Resp:	2112
Ion	Ratio	Lower	Upper
76	100		
78	30.1	25.5	38.3





#58

2-Chloroethyl Vinyl ether

Concen: 4.320 ug/l

RT: 8.251 min Scan# 1173

Delta R.T. 0.012 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 63 Resp: 411

Ion Ratio Lower Upper

63 100

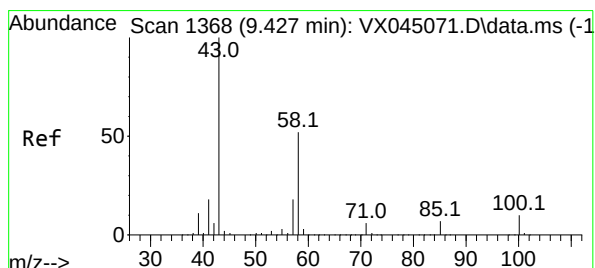
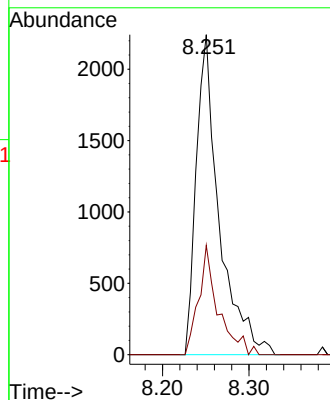
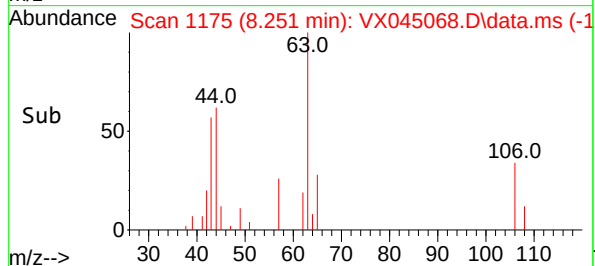
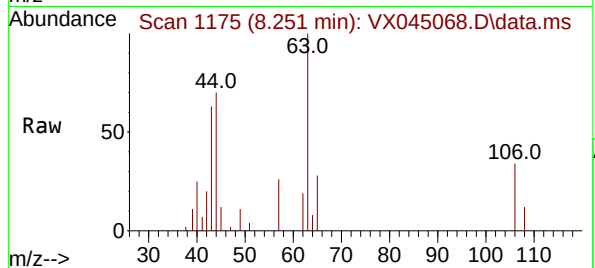
106 29.2 21.5 32.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#59

2-Hexanone

Concen: 4.153 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.012 min

Lab File: VX045068.D

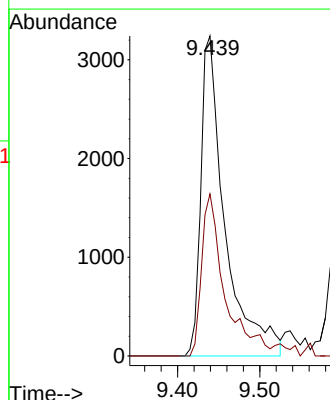
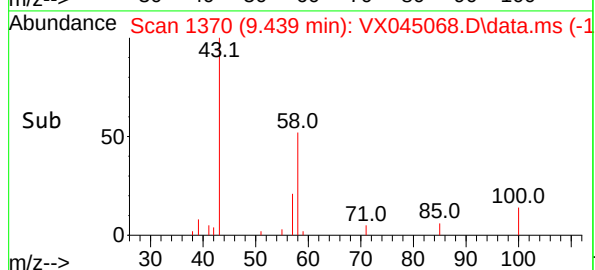
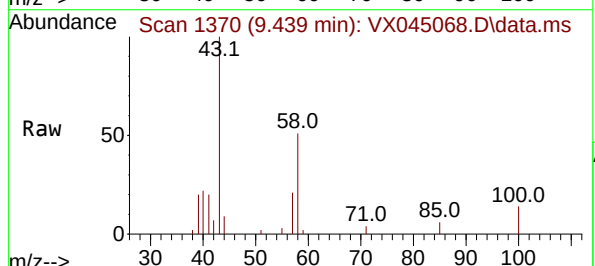
Acq: 28 Feb 2025 01:27

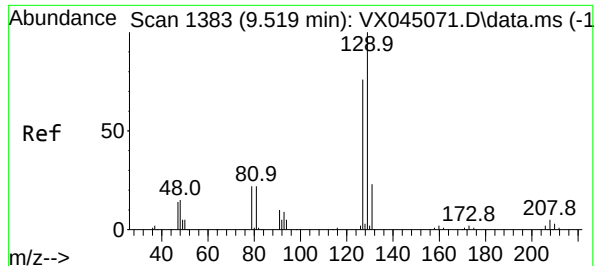
Tgt Ion: 43 Resp: 6582

Ion Ratio Lower Upper

43 100

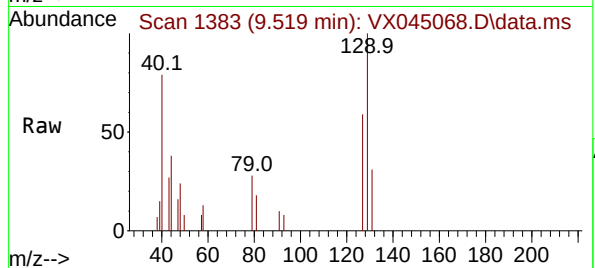
58 48.7 25.9 77.6





#60
Dibromochloromethane
Concen: 0.835 ug/l
RT: 9.519 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

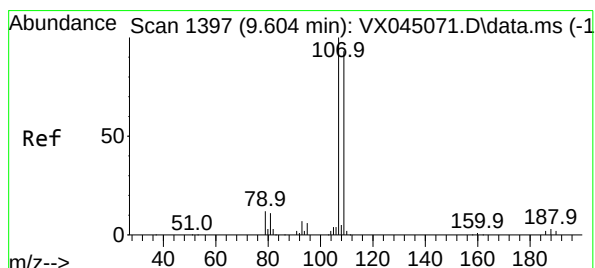
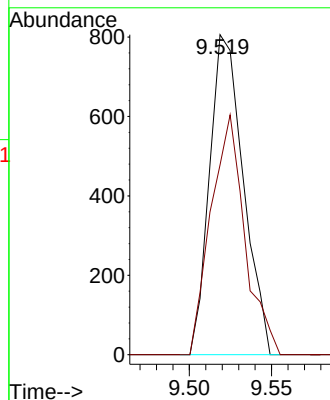
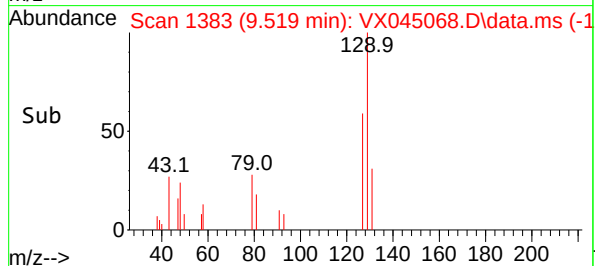
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



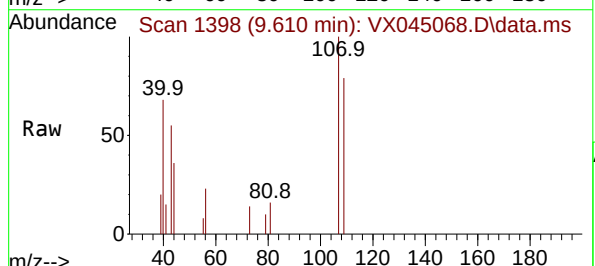
Tgt Ion:129 Resp: 1152
Ion Ratio Lower Upper
129 100
127 75.2 38.5 115.5

Manual Integrations
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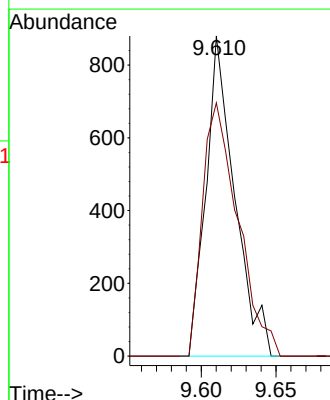
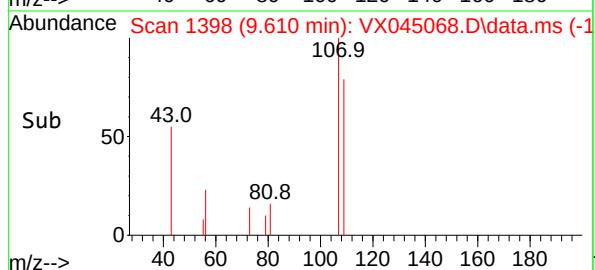
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

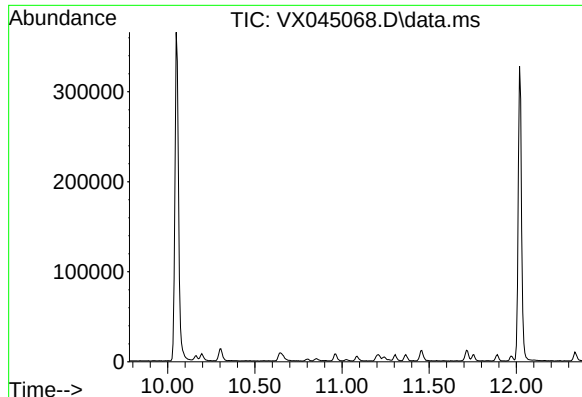


#61
1,2-Dibromoethane
Concen: 0.890 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27



Tgt Ion:107 Resp: 1174
Ion Ratio Lower Upper
107 100
109 97.6 76.1 114.1





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.08 min

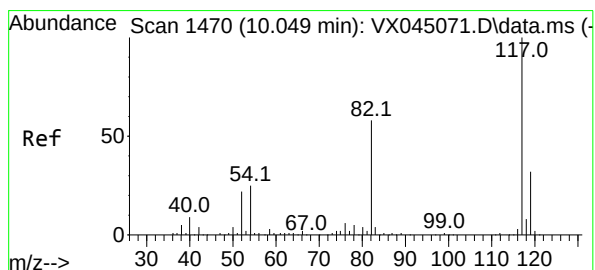
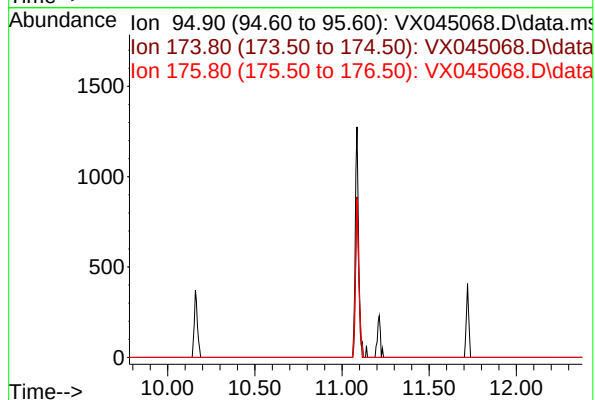
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 95
Sig Exp Ratio
95 100
174 74.1
176 70.7

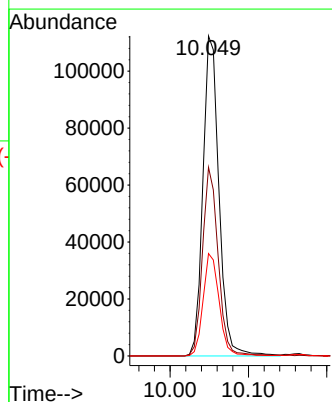
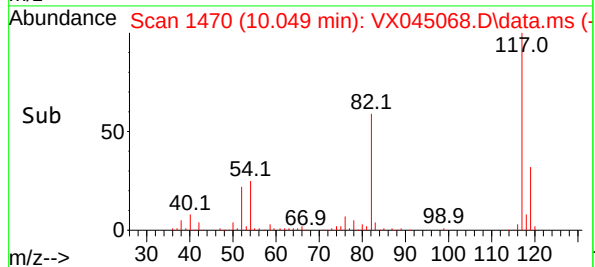
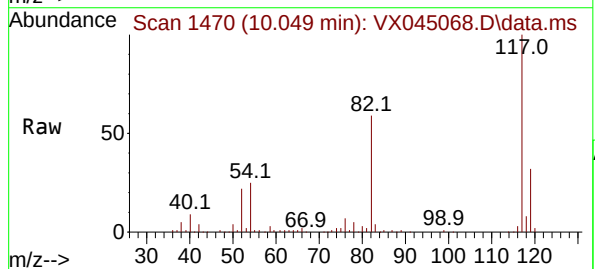
Manual Integrations
APPROVED

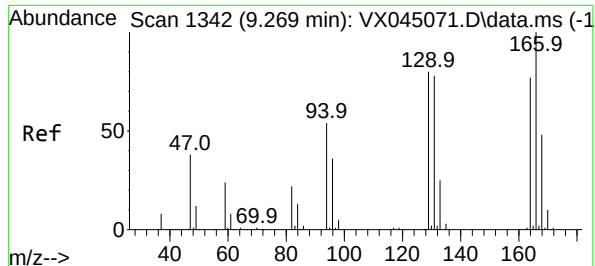
Reviewed By : John Carlone 02/28/2025
Supervised By : Mahesh Dadoda 02/28/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

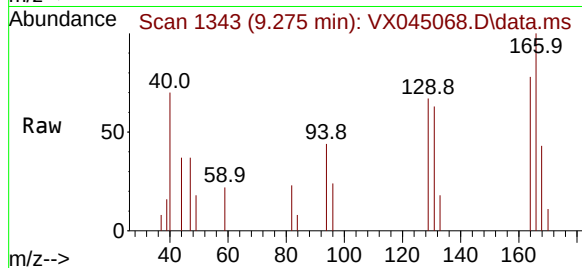
Tgt Ion: 117 Resp: 159886
Ion Ratio Lower Upper
117 100
82 59.0 46.3 69.5
119 32.0 25.7 38.5





#64
Tetrachloroethene
Concen: 0.986 ug/l
RT: 9.275 min Scan# 1342
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

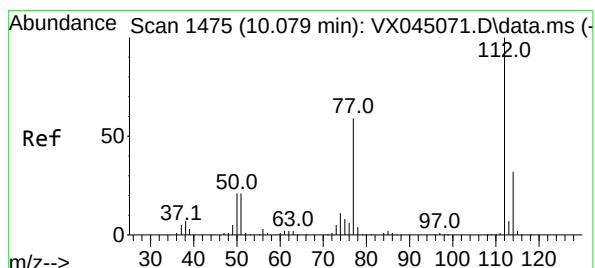
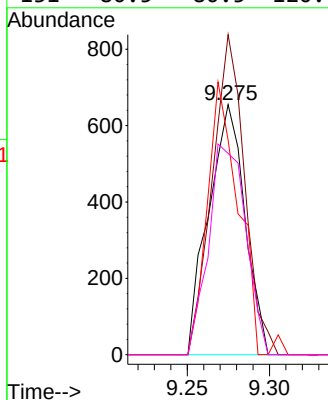
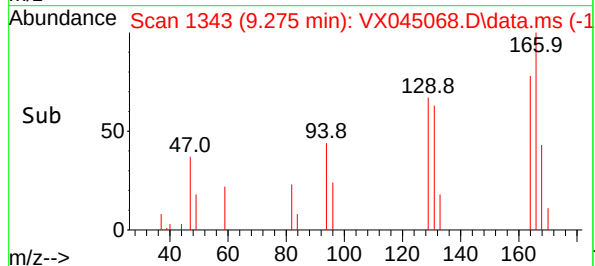
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion:164 Resp: 1000
Ion Ratio Lower Upper
164 100
166 127.9 103.6 155.4
129 85.8 82.7 124.1
131 80.5 80.5 120.7#

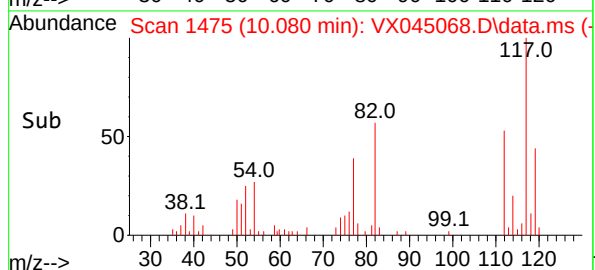
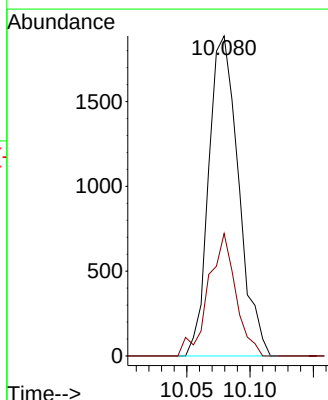
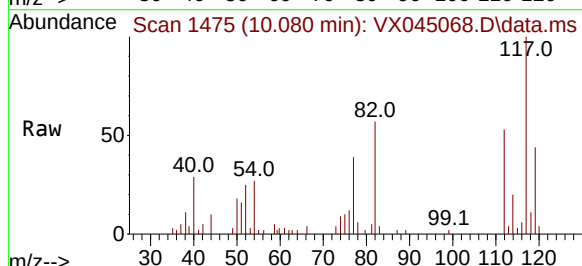
Manual Integrations
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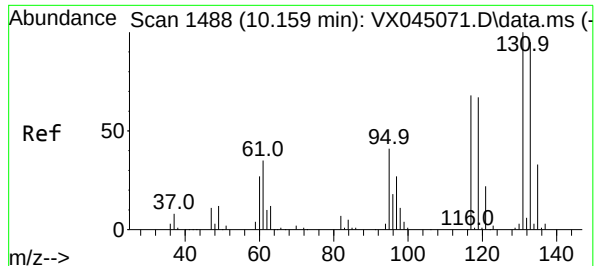
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#65
Chlorobenzene
Concen: 0.908 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

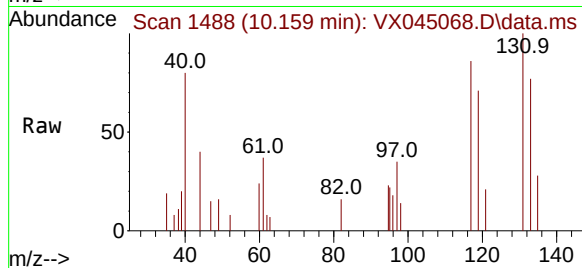
Tgt Ion:112 Resp: 3094
Ion Ratio Lower Upper
112 100
114 38.3 26.0 39.0





#66
1,1,1,2-Tetrachloroethane
Concen: 0.978 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

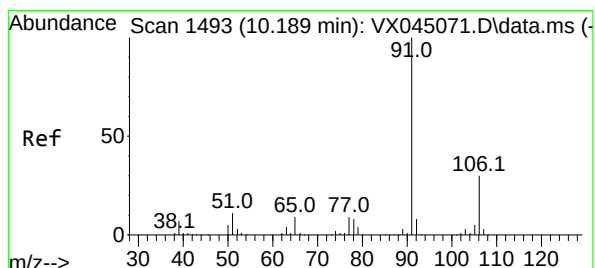
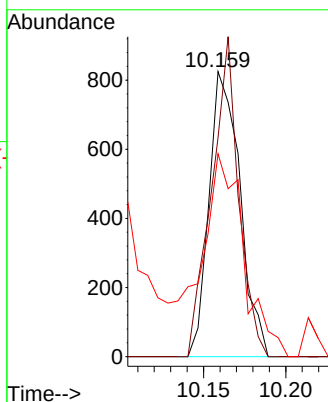
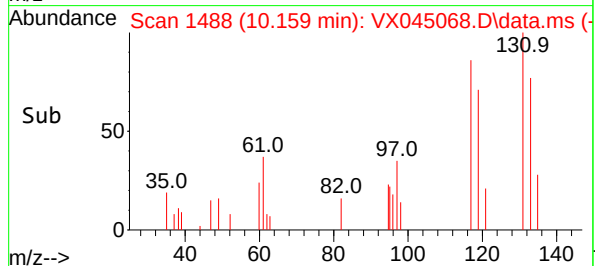
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion:131 Resp: 1078
Ion Ratio Lower Upper
131 100
133 98.6 48.6 145.9
119 0.0 33.9 101.7

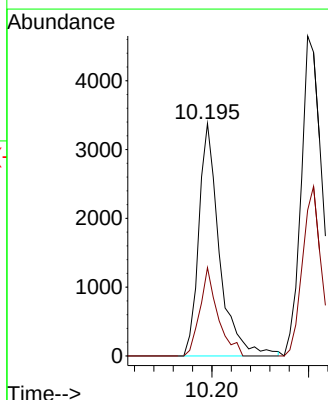
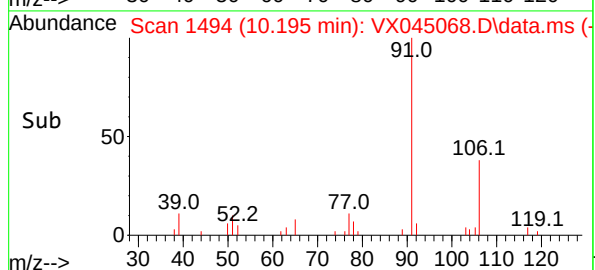
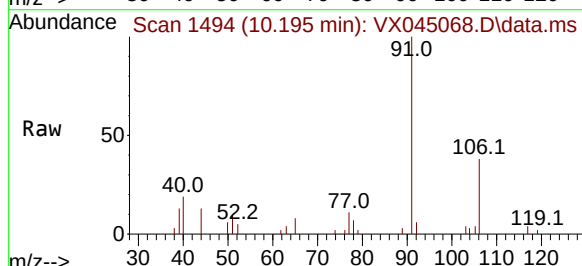
Manual Integrations
APPROVED

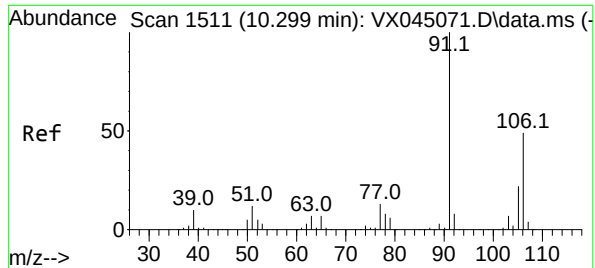
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#67
Ethyl Benzene
Concen: 0.846 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 5008
Ion Ratio Lower Upper
91 100
106 38.0 23.9 35.9#





#68

m/p-Xylenes

Concen: 1.630 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:106 Resp: 355

Ion Ratio Lower Upper

106 100

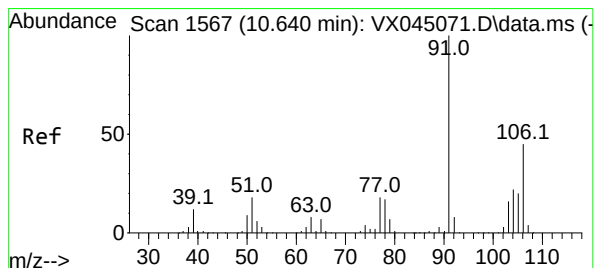
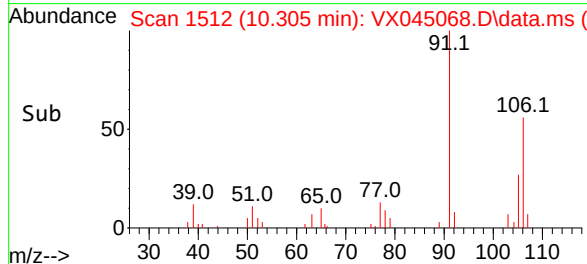
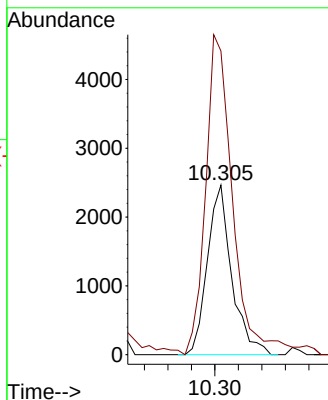
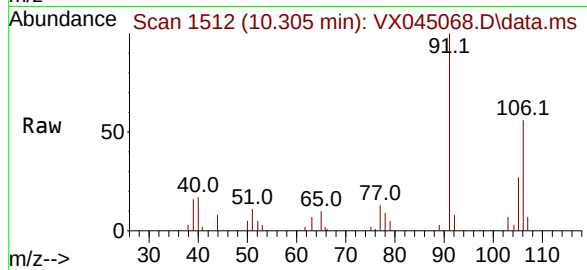
91 211.2 165.4 248.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#69

o-Xylene

Concen: 0.891 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX045068.D

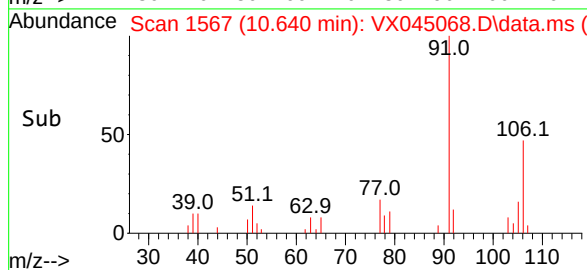
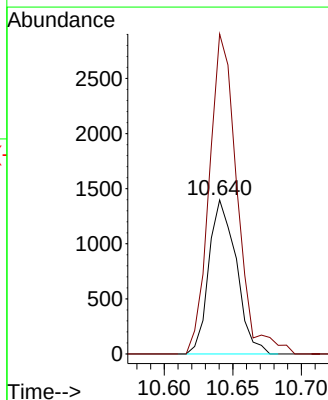
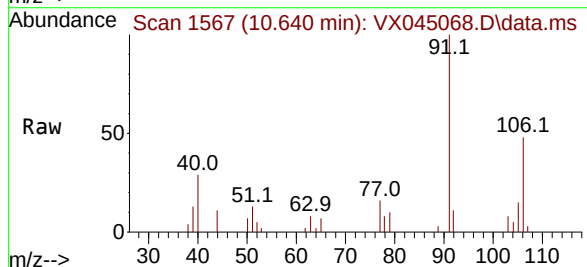
Acq: 28 Feb 2025 01:27

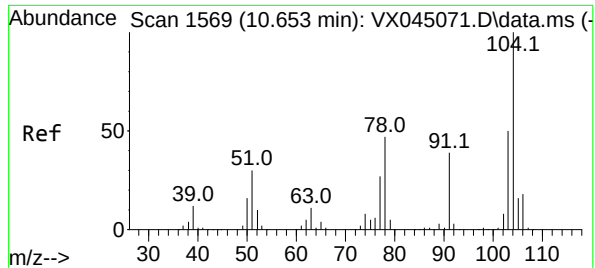
Tgt Ion:106 Resp: 1949

Ion Ratio Lower Upper

106 100

91 211.0 109.9 329.6





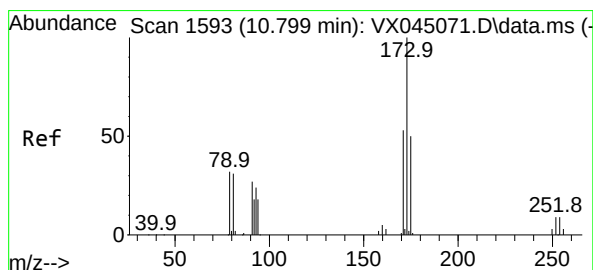
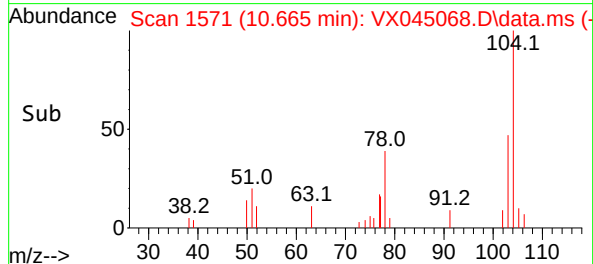
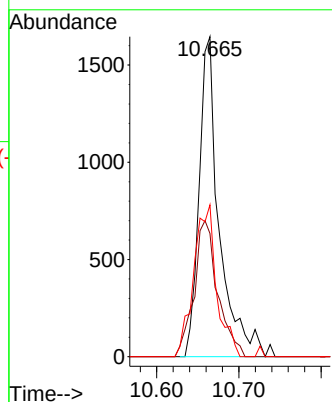
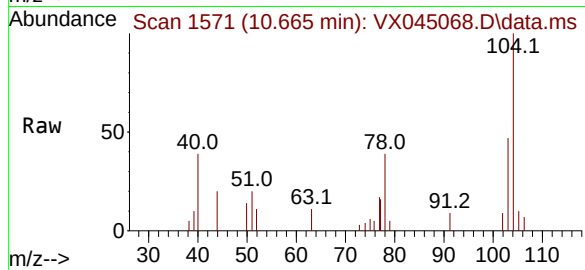
#70
Styrene
Concen: 0.802 ug/l
RT: 10.665 min Scan# 1571
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:104 Resp: 2810
Ion Ratio Lower Upper
104 100
78 49.7 42.2 63.4
103 53.6 43.8 65.8

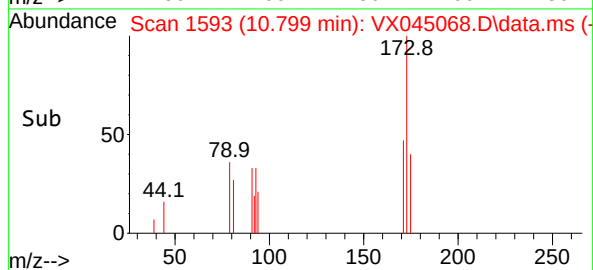
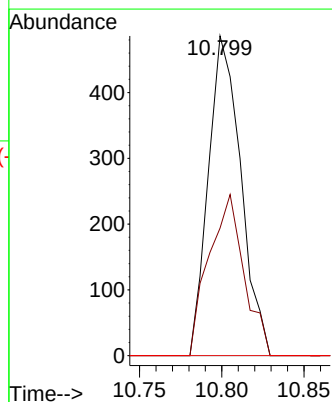
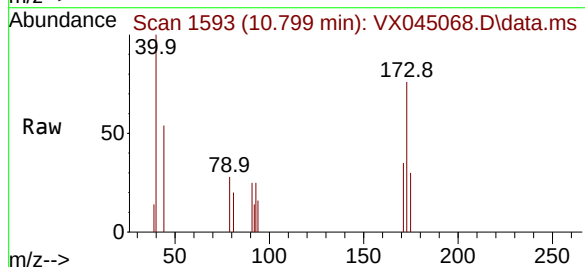
Manual Integrations
APPROVED

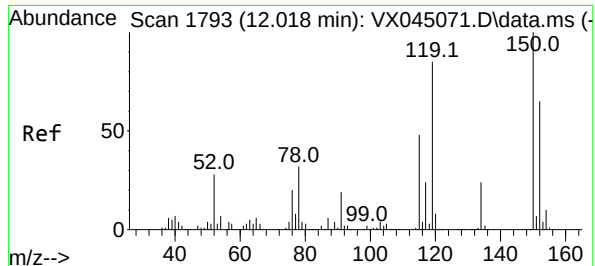
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#71
Bromoform
Concen: 0.768 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

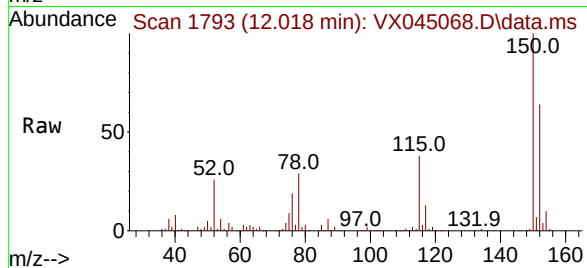
Tgt Ion:173 Resp: 667
Ion Ratio Lower Upper
173 100
175 54.7 24.6 73.6
254 0.0 0.0 0.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

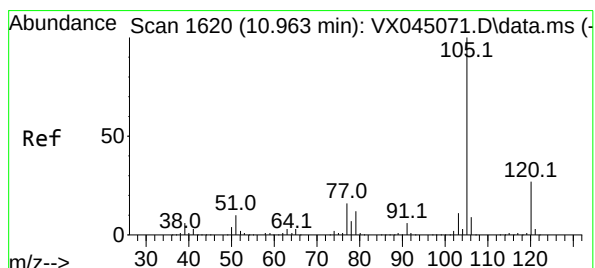
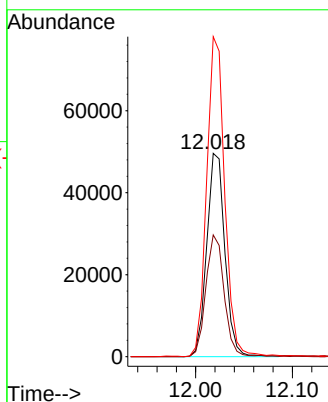
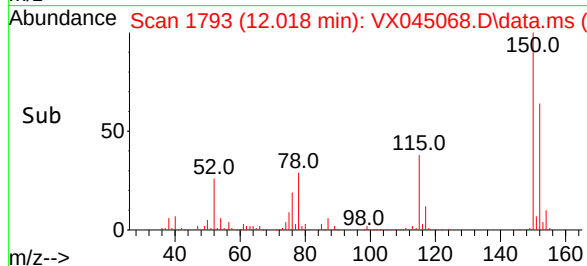
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



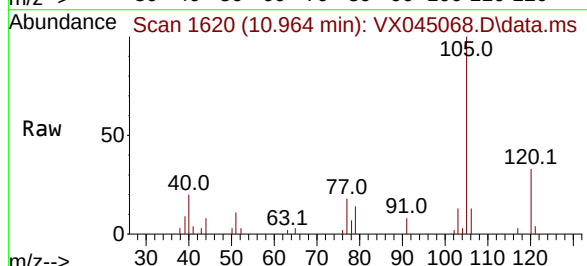
Tgt Ion:152 Resp: 6484
Ion Ratio Lower Upper
152 100
115 60.3 44.2 132.6
150 157.1 0.0 349.0

Manual Integrations
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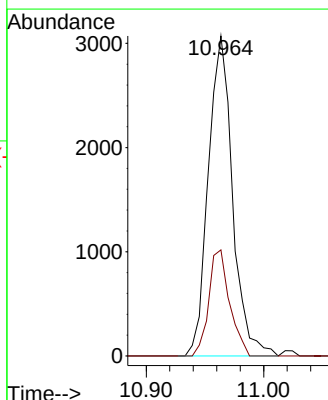
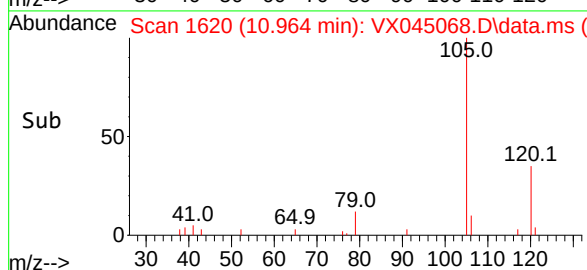
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

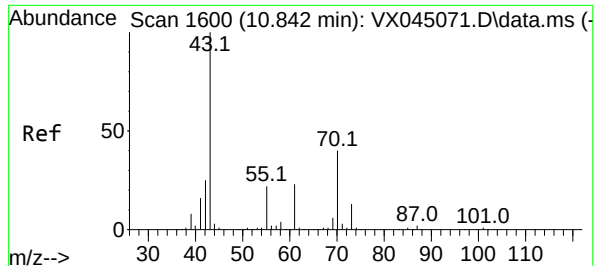


#73
Isopropylbenzene
Concen: 0.858 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27



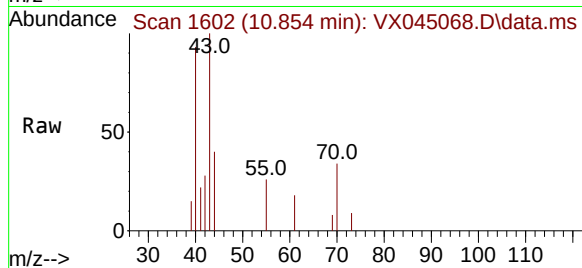
Tgt Ion:105 Resp: 4405
Ion Ratio Lower Upper
105 100
120 28.5 13.2 39.5





#74
N-amy1 acetate
Concen: 0.732 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

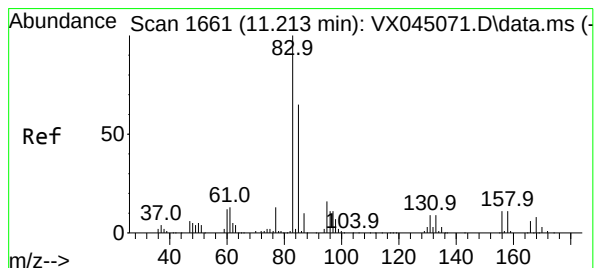
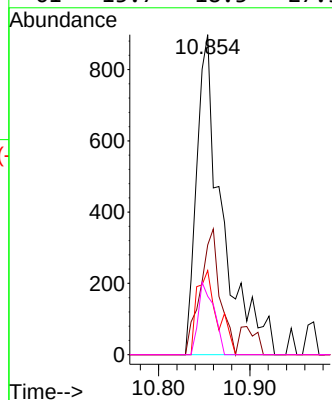
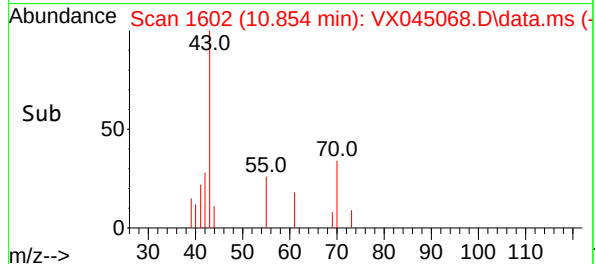
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion: 43 Resp: 1750
Ion Ratio Lower Upper
43 100
70 30.1 31.8 47.6
55 20.9 18.3 27.5
61 13.7 18.3 27.5#

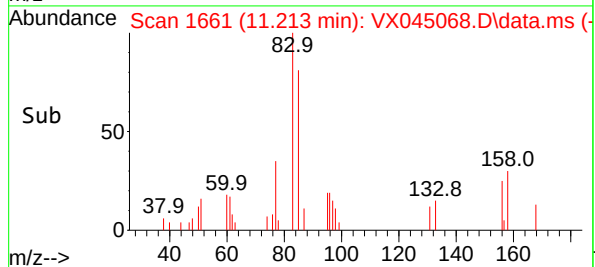
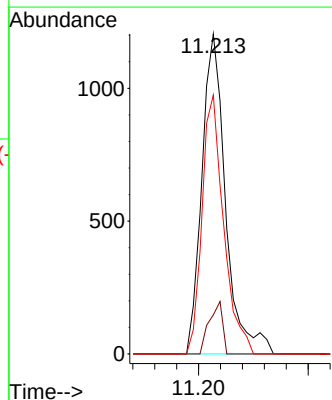
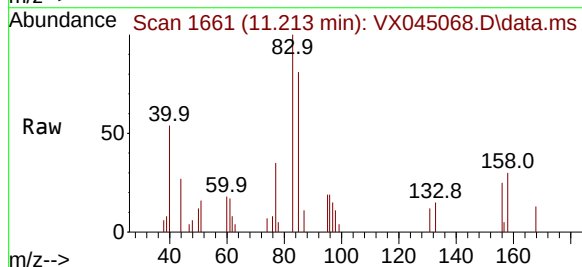
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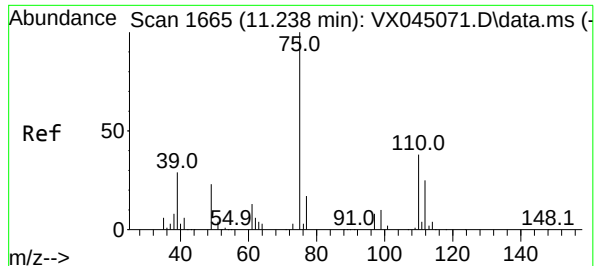
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#75
1,1,2,2-Tetrachloroethane
Concen: 0.954 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 1809
Ion Ratio Lower Upper
83 100
131 9.2 4.5 13.4
85 73.7 31.7 95.1





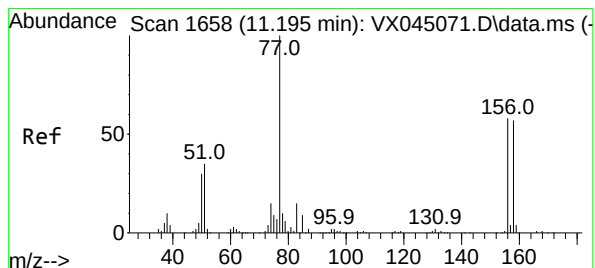
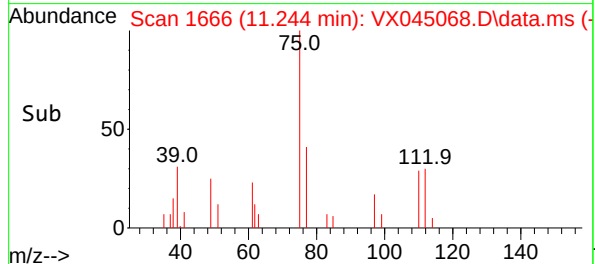
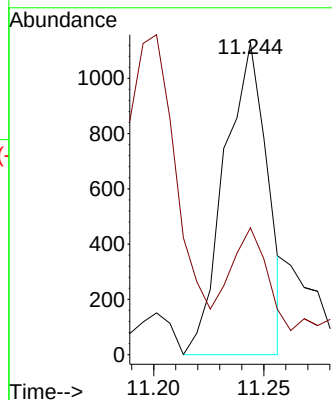
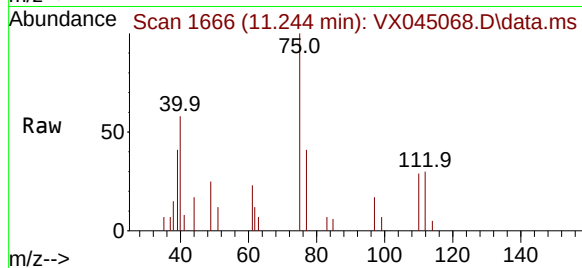
#76
1,2,3-Trichloropropane
Concen: 1.015 ug/l m
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 153
Ion Ratio Lower Upper
75 100
77 40.0 20.7 62.1

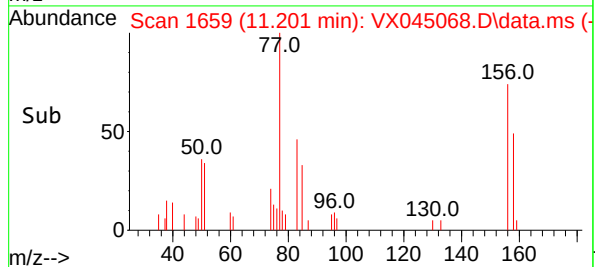
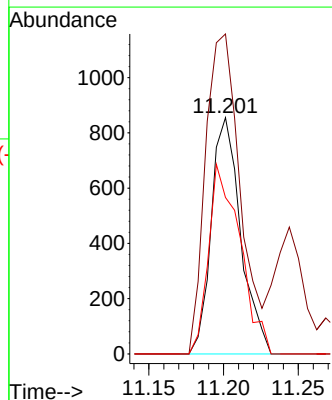
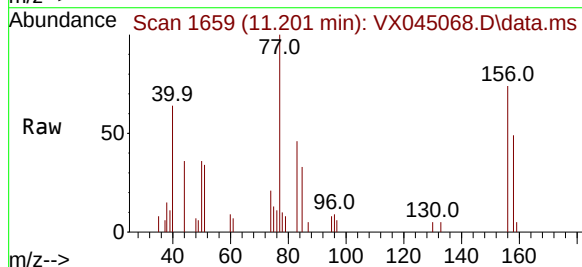
Manual Integrations
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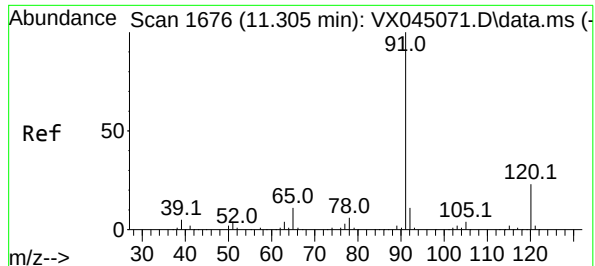
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#77
Bromobenzene
Concen: 0.972 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:156 Resp: 1166
Ion Ratio Lower Upper
156 100
77 159.8 85.8 257.4
158 86.2 48.4 145.2





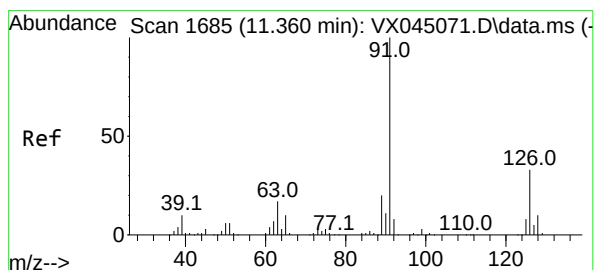
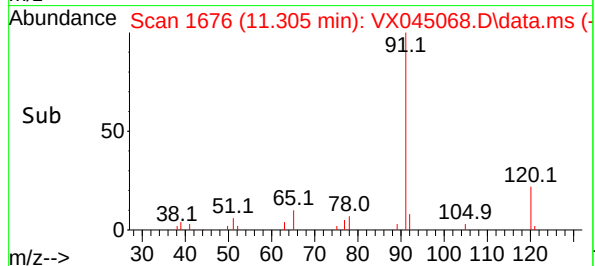
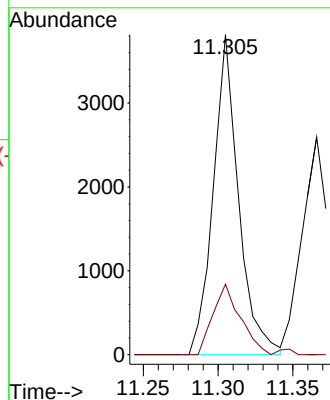
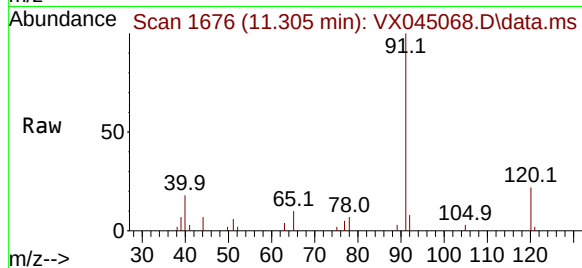
#78
n-propylbenzene
Concen: 0.773 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 4475
Ion Ratio Lower Upper
91 100
120 23.9 11.2 33.6

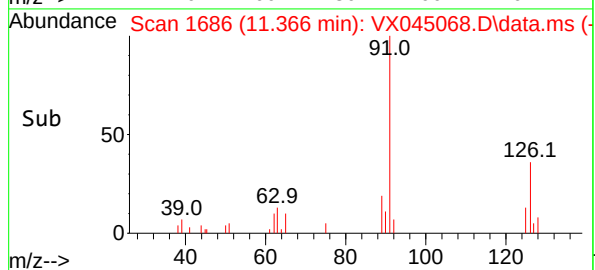
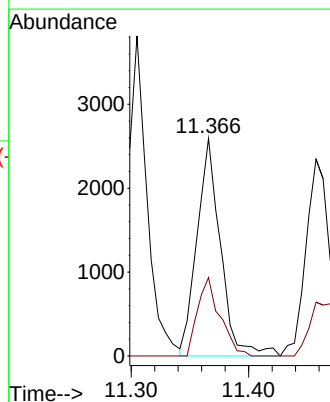
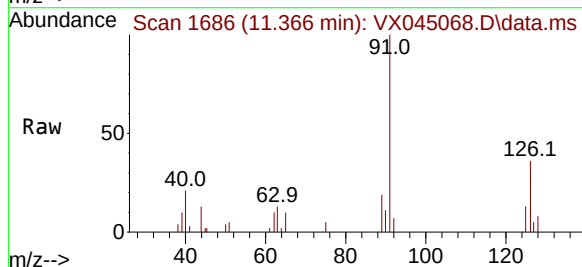
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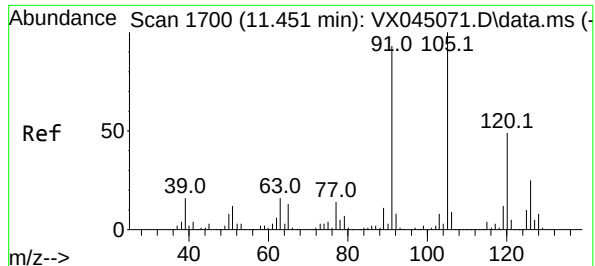
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#79
2-Chlorotoluene
Concen: 0.986 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 3616
Ion Ratio Lower Upper
91 100
126 34.2 16.4 49.4





#80

1,3,5-Trimethylbenzene

Concen: 0.815 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 3380

Ion Ratio Lower Upper

105 100

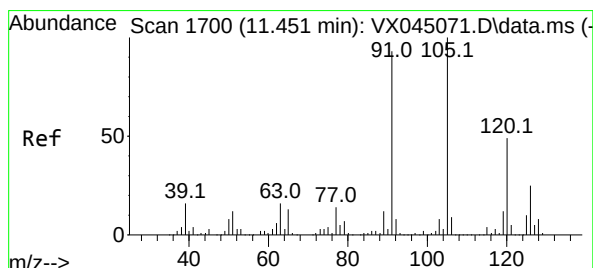
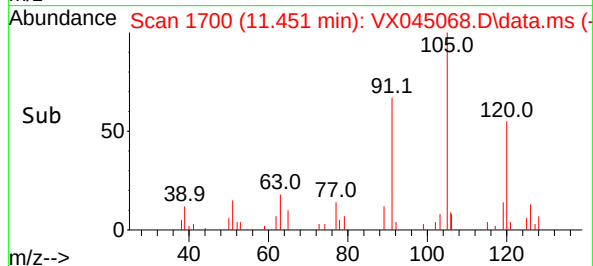
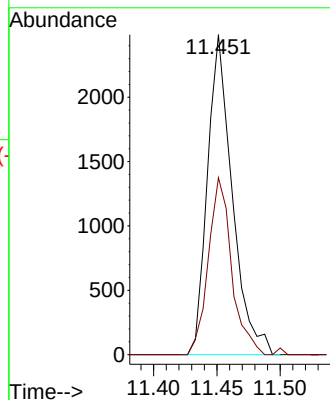
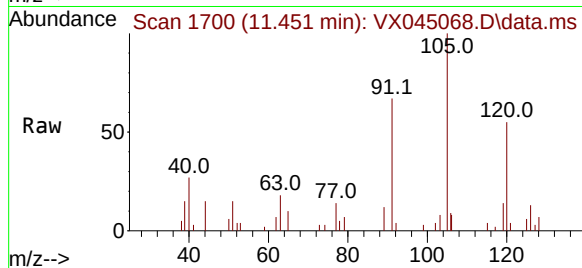
120 52.2 24.1 72.2

Manual Integrations

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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#82

4-Chlorotoluene

Concen: 0.904 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX045068.D

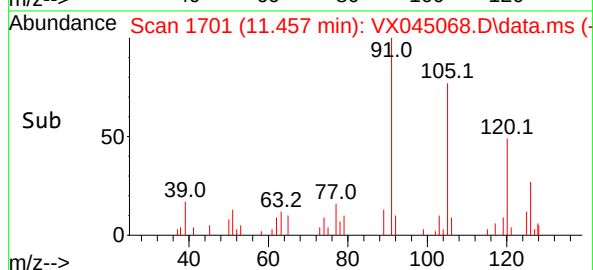
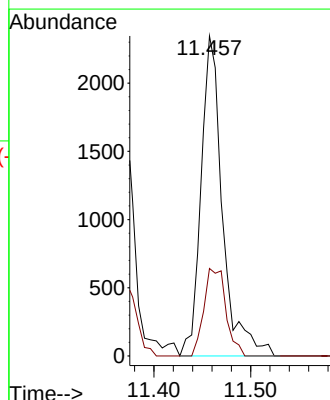
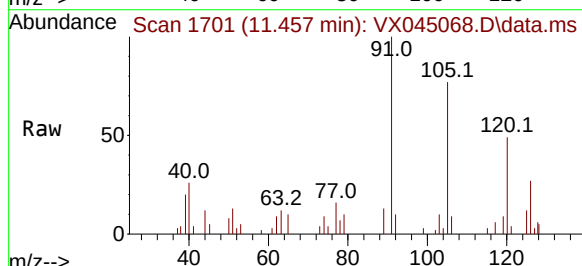
Acq: 28 Feb 2025 01:27

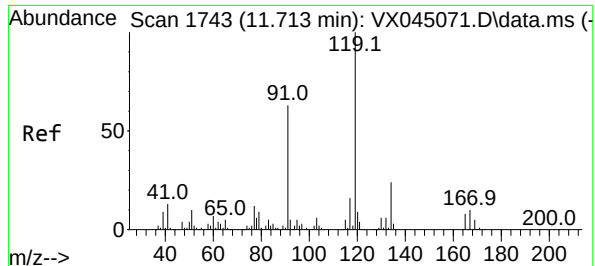
Tgt Ion: 91 Resp: 3631

Ion Ratio Lower Upper

91 100

126 28.0 14.1 42.4





#83

tert-Butylbenzene

Concen: 0.929 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

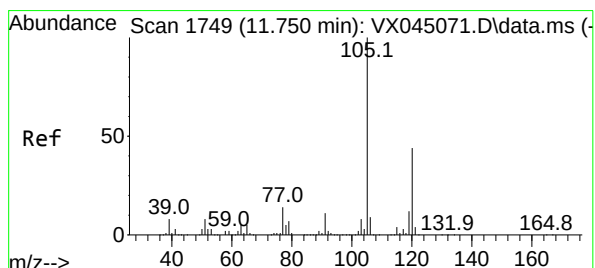
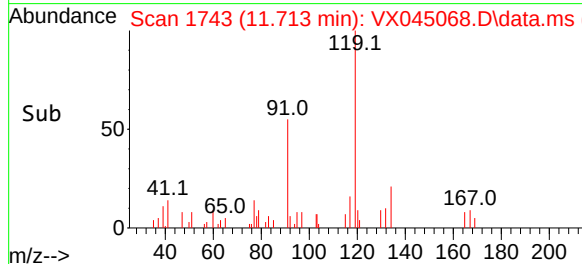
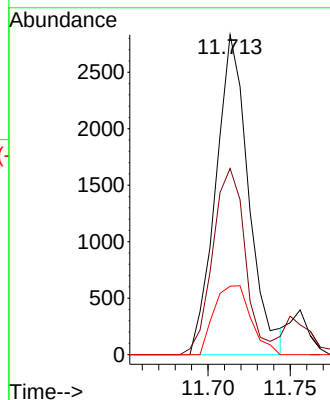
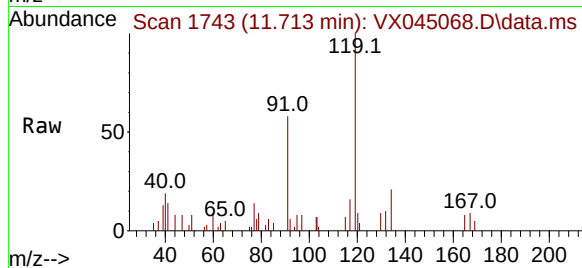
Tgt Ion:	119	Resp:	3928
Ion	Ratio	Lower	Upper
119	100		
91	57.7	30.7	92.1
134	24.2	11.7	35.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#84

1,2,4-Trimethylbenzene

Concen: 0.827 ug/l

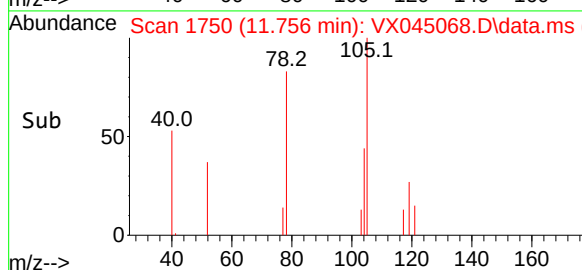
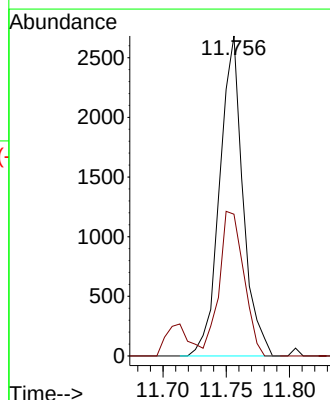
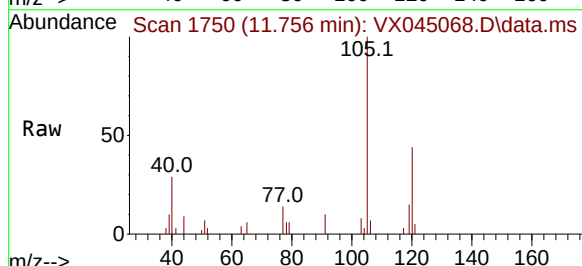
RT: 11.756 min Scan# 1750

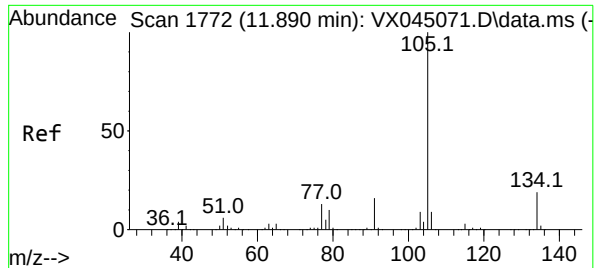
Delta R.T. 0.006 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Tgt Ion:	105	Resp:	3432
Ion	Ratio	Lower	Upper
105	100		
120	47.5	22.1	66.1





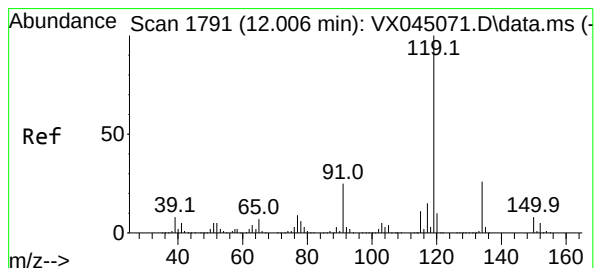
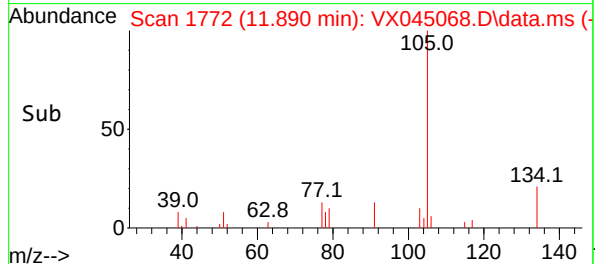
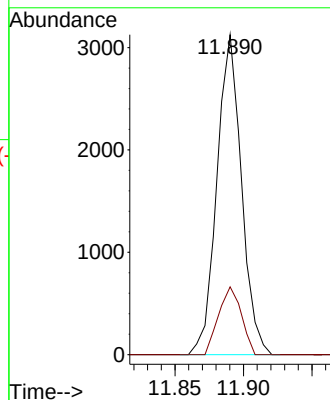
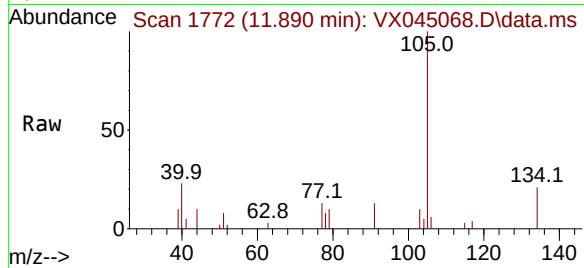
#85
sec-Butylbenzene
Concen: 0.752 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 389
Ion Ratio Lower Upper
105 100
134 19.5 9.8 29.4

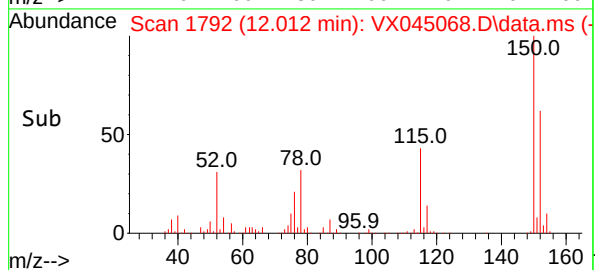
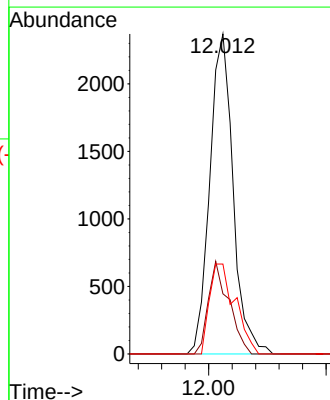
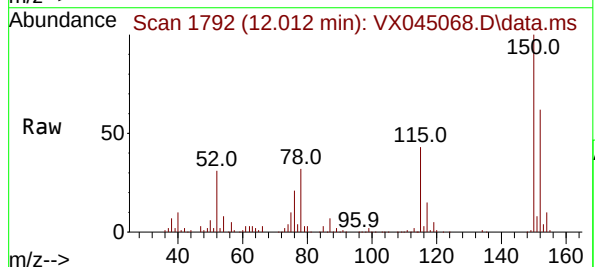
Manual Integrations
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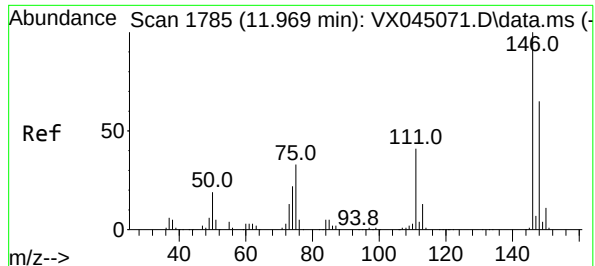
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#86
p-Isopropyltoluene
Concen: 0.797 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:119 Resp: 3257
Ion Ratio Lower Upper
119 100
134 25.6 12.9 38.6
91 30.9 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 0.913 ug/l

RT: 11.976 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

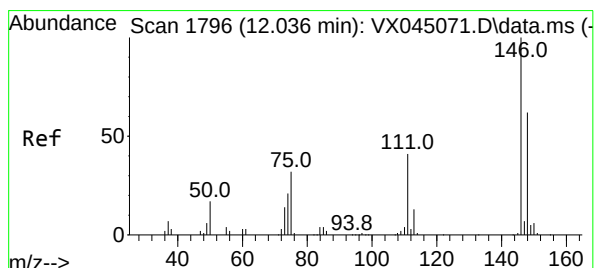
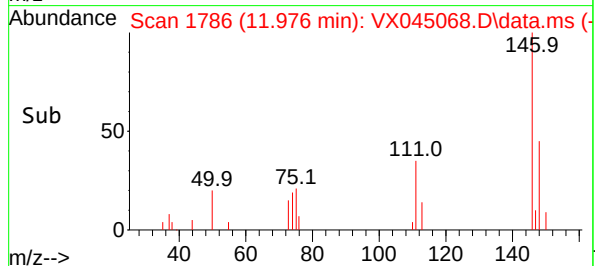
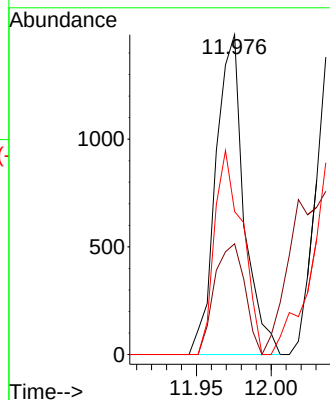
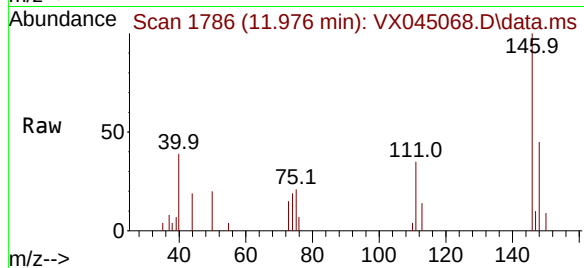
Tgt Ion:	146	Resp:	194
Ion Ratio	Lower	Upper	
146	100		
111	37.1	21.1	63.4
148	62.4	31.9	95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#88

1,4-Dichlorobenzene

Concen: 0.962 ug/l m

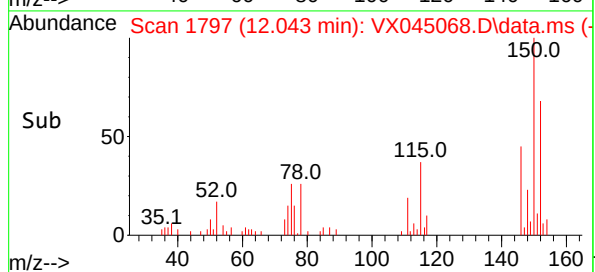
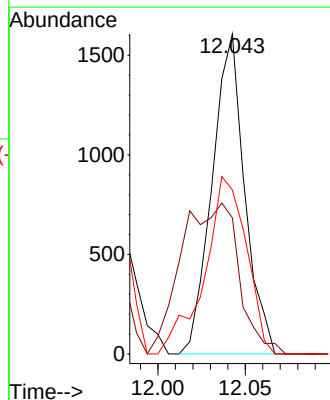
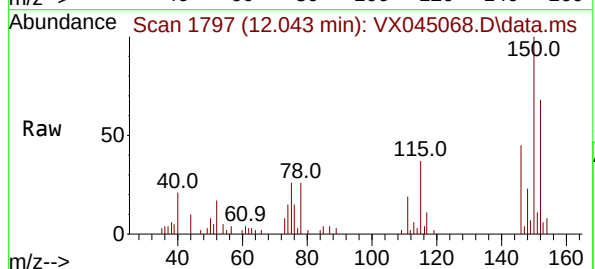
RT: 12.043 min Scan# 1797

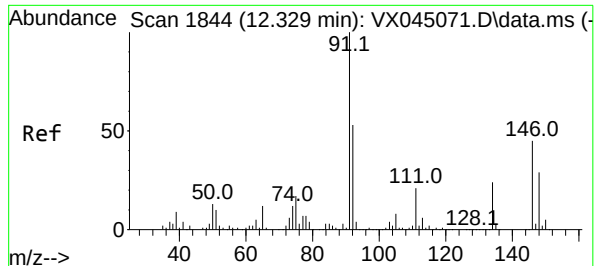
Delta R.T. 0.006 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Tgt Ion:	146	Resp:	2082
Ion Ratio	Lower	Upper	
146	100		
111	34.7	20.2	60.5
148	58.4	31.9	95.9





#89

n-Butylbenzene

Concen: 0.691 ug/l

RT: 12.335 min Scan# 1844

Delta R.T. 0.006 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

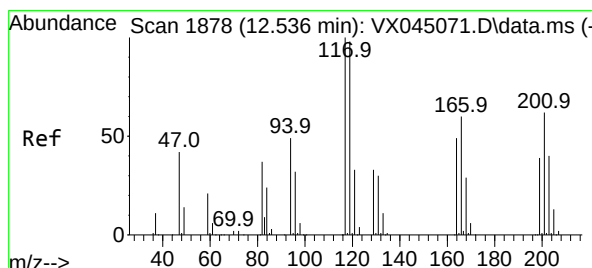
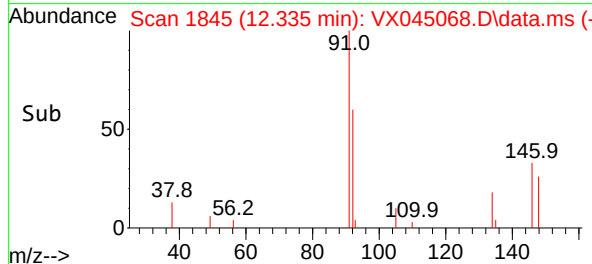
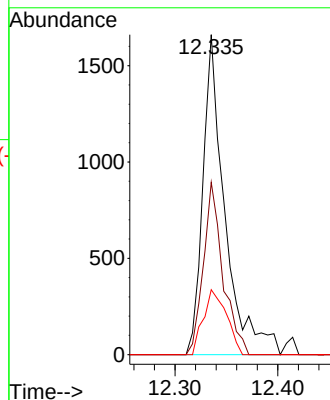
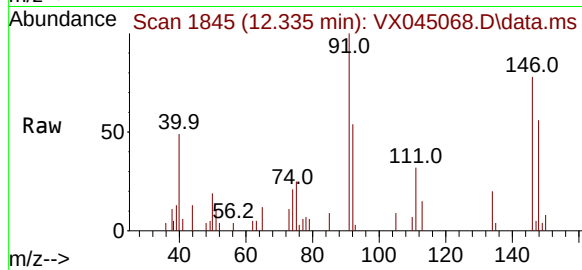
Tgt Ion:	91	Resp:	2470
Ion	Ratio	Lower	Upper
91	100		
92	48.0	26.7	80.0
134	21.4	12.2	36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#90

Hexachloroethane

Concen: 0.805 ug/l

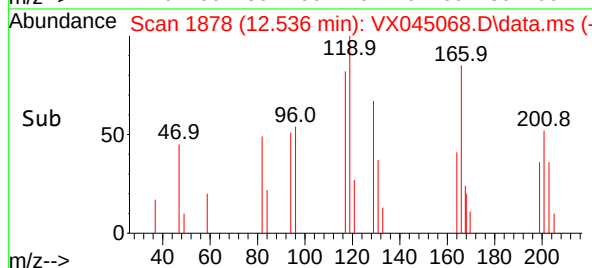
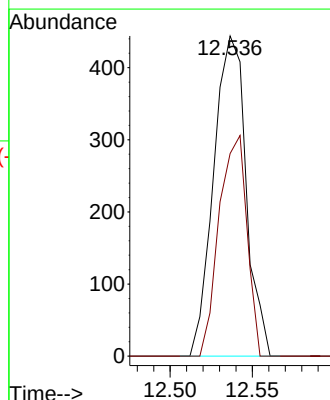
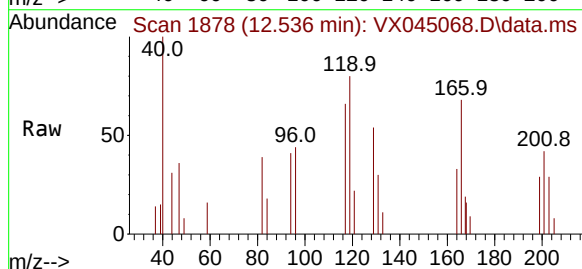
RT: 12.536 min Scan# 1878

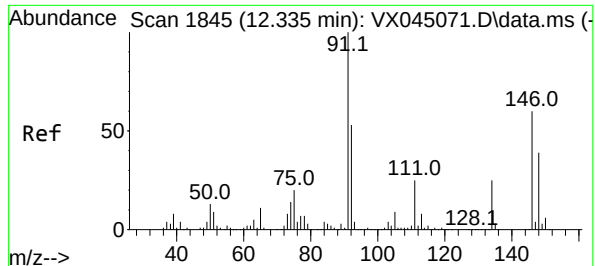
Delta R.T. 0.000 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

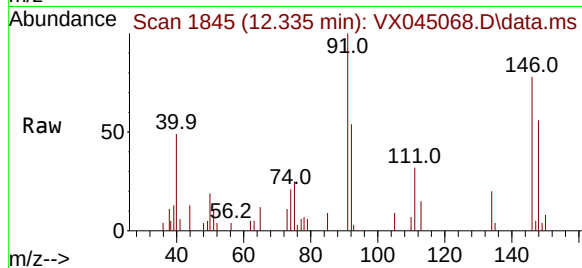
Tgt Ion:	117	Resp:	609
Ion	Ratio	Lower	Upper
117	100		
201	58.9	31.9	95.9





#91
1,2-Dichlorobenzene
Concen: 0.890 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

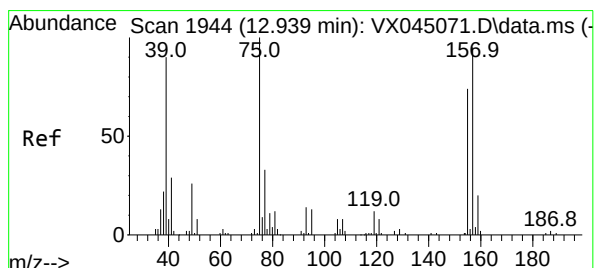
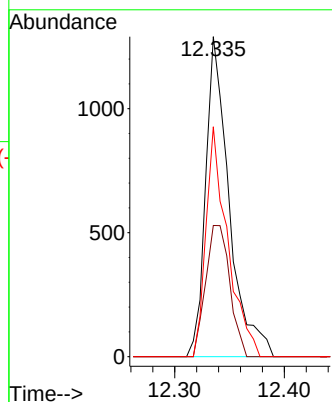
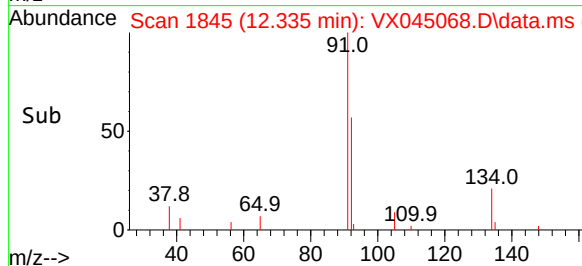
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



Tgt Ion:146 Resp: 1918
Ion Ratio Lower Upper
146 100
111 42.0 21.6 65.0
148 66.1 31.9 95.9

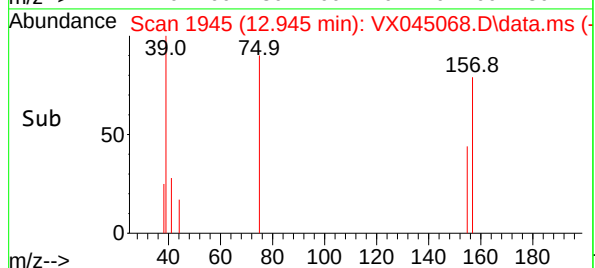
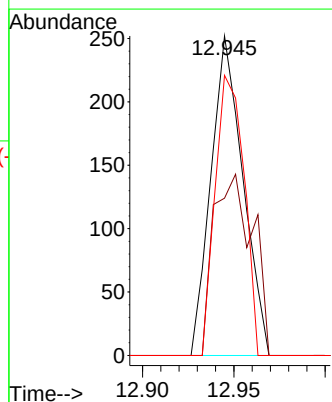
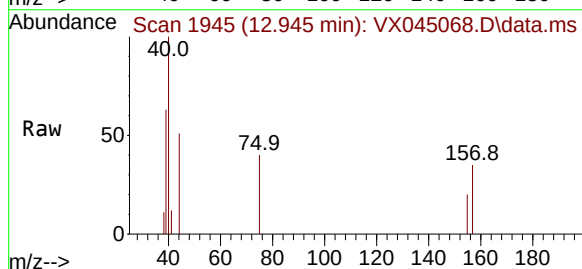
Manual Integrations
APPROVED

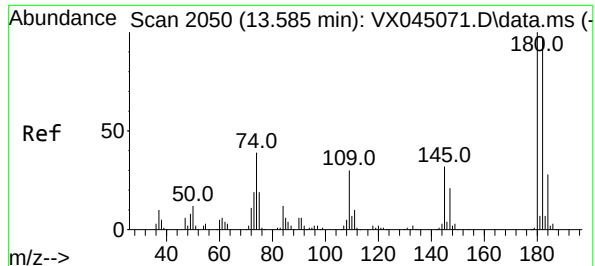
Reviewed By :John Carbone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.859 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 308
Ion Ratio Lower Upper
75 100
155 69.2 39.6 118.7
157 78.6 51.1 153.4





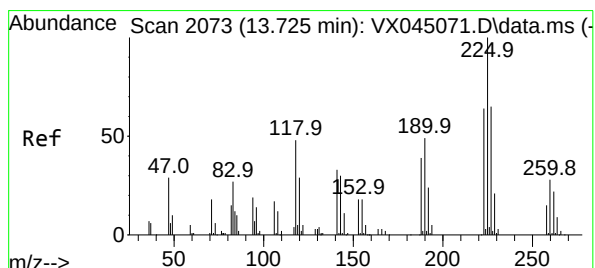
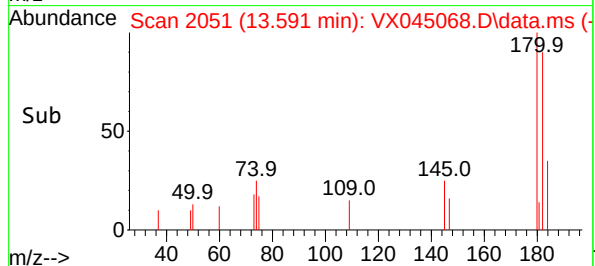
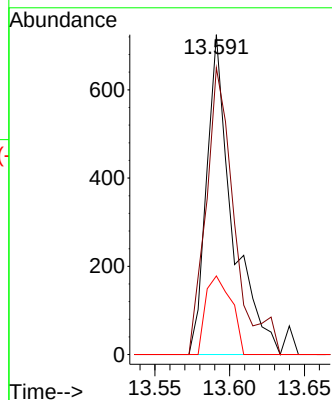
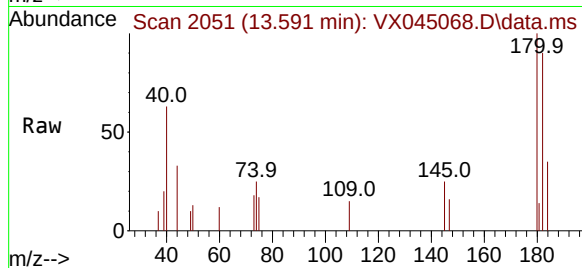
#93
1,2,4-Trichlorobenzene
Concen: 0.706 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 860
Ion Ratio Lower Upper
180 100
182 98.7 47.3 141.9
145 24.5 16.3 48.9

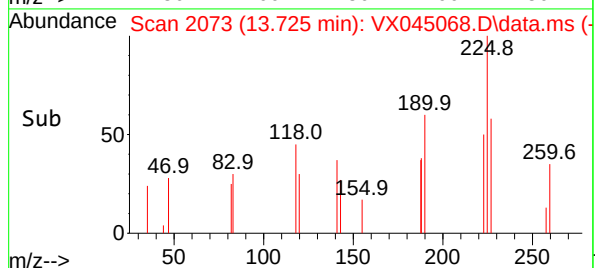
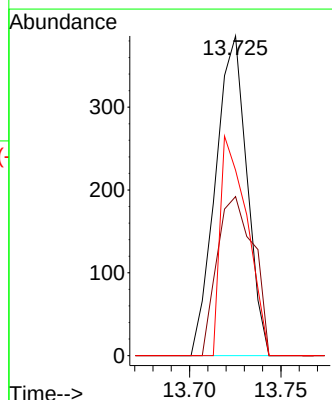
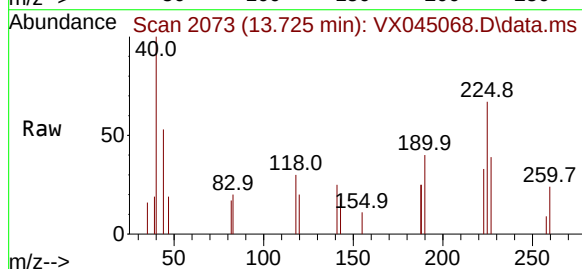
Manual Integrations
APPROVED

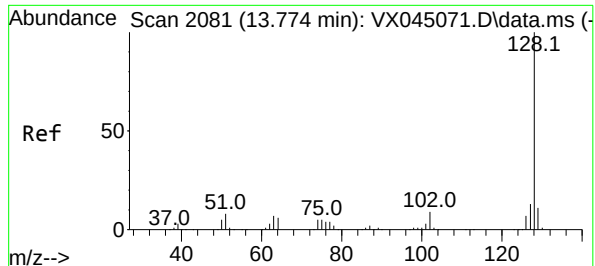
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#94
Hexachlorobutadiene
Concen: 0.917 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

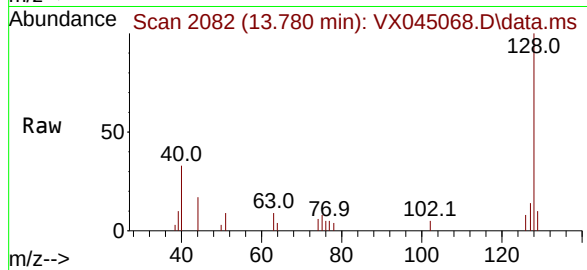
Tgt Ion:225 Resp: 462
Ion Ratio Lower Upper
225 100
223 57.8 31.9 95.7
227 58.7 31.4 94.0





#95
Naphthalene
Concen: 0.707 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

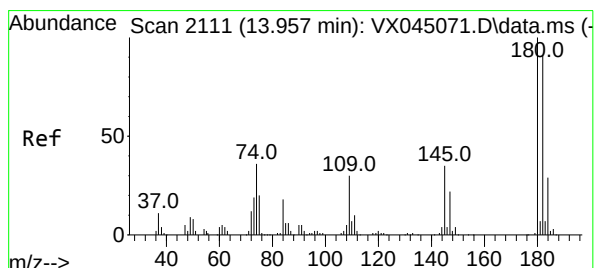
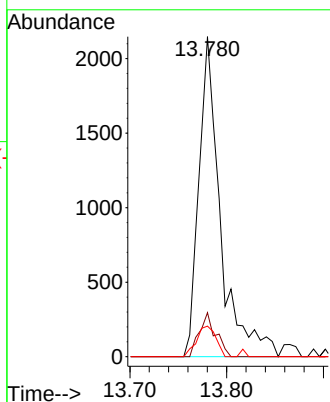
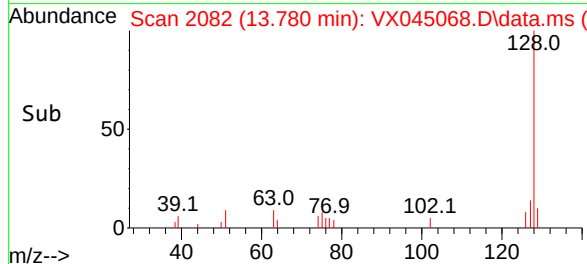
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion:128 Resp: 333
Ion Ratio Lower Upper
128 100
127 10.5 10.3 15.5
129 8.6 8.7 13.1

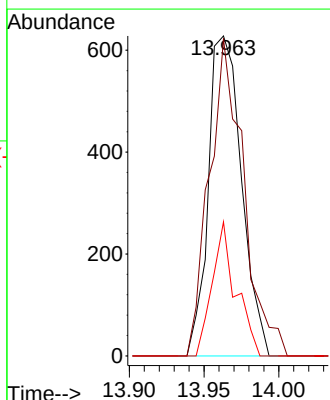
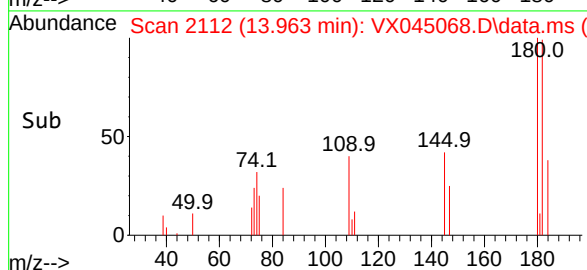
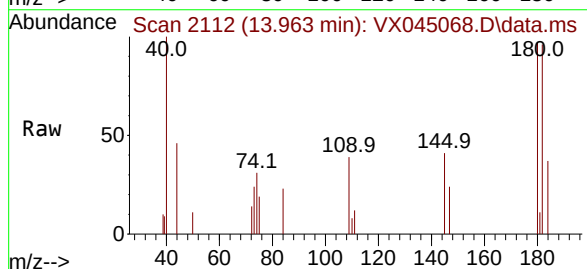
Manual Integrations
APPROVED

Reviewed By :John Carbone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 0.759 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:180 Resp: 969
Ion Ratio Lower Upper
180 100
182 102.3 47.5 142.6
145 29.8 17.0 50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045069.D
 Acq On : 28 Feb 2025 02:13
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Feb 28 05:32:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 05:28:02 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	107391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	194243	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	172367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	73591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	8978	5.659	ug/l	0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.320%#		
35) Dibromofluoromethane	5.391	113	6398	5.039	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.080%#		
50) Toluene-d8	8.647	98	24037	5.057	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.120%#		
62) 4-Bromofluorobenzene	11.079	95	7436	4.685	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.360%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	6941	4.689	ug/l	96
3) Chloromethane	1.307	50	8819	4.896	ug/l	99
4) Vinyl Chloride	1.374	62	8106	4.608	ug/l	94
5) Bromomethane	1.593	94	3620	6.582	ug/l	96
6) Chloroethane	1.660	64	4517	6.746	ug/l	91
7) Trichlorofluoromethane	1.867	101	11392	5.056	ug/l	95
8) Diethyl Ether	2.136	74	4314	5.268	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	6586	4.894	ug/l	98
10) Methyl Iodide	2.441	142	6520	3.780	ug/l	95
11) Tert butyl alcohol	2.983	59	10164m	34.976	ug/l	
12) 1,1-Dichloroethene	2.313	96	6658	4.819	ug/l	94
13) Acrolein	2.233	56	8725	27.725	ug/l	97
14) Allyl chloride	2.654	41	11244	4.527	ug/l	96
15) Acrylonitrile	3.068	53	21381	27.072	ug/l	99
16) Acetone	2.386	43	19512	29.891	ug/l	97
17) Carbon Disulfide	2.502	76	16984	4.518	ug/l	99
18) Methyl Acetate	2.703	43	8964	4.559	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	20546	4.651	ug/l	95
20) Methylene Chloride	2.782	84	7835	5.068	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	6651	4.895	ug/l	94
22) Diisopropyl ether	3.763	45	23151	4.875	ug/l #	82
23) Vinyl Acetate	3.721	43	88852	22.788	ug/l	98
24) 1,1-Dichloroethane	3.605	63	13132	4.949	ug/l	99
25) 2-Butanone	4.574	43	29277	27.819	ug/l	99
26) 2,2-Dichloropropane	4.471	77	6034	3.059	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	8012	4.892	ug/l	97
28) Bromochloromethane	4.904	49	6797	5.311	ug/l #	96
29) Tetrahydrofuran	5.013	42	20186	28.950	ug/l	99
30) Chloroform	5.093	83	13390	5.159	ug/l	96
31) Cyclohexane	5.464	56	10968	4.504	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	10654	4.876	ug/l	100
36) 1,1-Dichloropropene	5.690	75	8977	4.917	ug/l #	83
37) Ethyl Acetate	4.727	43	10459	5.035	ug/l	98
38) Carbon Tetrachloride	5.666	117	8997	5.013	ug/l	95
39) Methylcyclohexane	7.379	83	10291	4.414	ug/l	97
40) Benzene	6.037	78	28339	4.966	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045069.D
 Acq On : 28 Feb 2025 02:13
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:32:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 05:28:02 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	5700	5.136	ug/l	95
42) 1,2-Dichloroethane	6.092	62	10189	5.510	ug/l	98
43) Isopropyl Acetate	6.348	43	15543	4.700	ug/l	99
44) Trichloroethene	7.129	130	6827	5.234	ug/l	99
45) 1,2-Dichloropropane	7.427	63	7342	5.177	ug/l	95
46) Dibromomethane	7.586	93	5146	5.195	ug/l	97
47) Bromodichloromethane	7.824	83	9773	5.100	ug/l	99
48) Methyl methacrylate	7.696	41	8201	5.224	ug/l	95
49) 1,4-Dioxane	7.665	88	3531	105.826	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	55320	27.303	ug/l	99
52) Toluene	8.720	92	16933	4.997	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	7548	3.985	ug/l	94
54) cis-1,3-Dichloropropene	8.366	75	8988	4.244	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	6759	5.151	ug/l	97
56) Ethyl methacrylate	9.116	69	9712	4.628	ug/l	98
57) 1,3-Dichloropropane	9.305	76	12106	5.289	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	23212	22.527	ug/l	99
59) 2-Hexanone	9.433	43	39994	27.363	ug/l	99
60) Dibromochloromethane	9.519	129	6785	4.846	ug/l	98
61) 1,2-Dibromoethane	9.610	107	6832	5.161	ug/l	95
64) Tetrachloroethene	9.269	164	5615	5.128	ug/l	93
65) Chlorobenzene	10.079	112	18161	4.908	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	5702	4.781	ug/l	96
67) Ethyl Benzene	10.195	91	30918	4.725	ug/l	98
68) m/p-Xylenes	10.299	106	23152	9.608	ug/l	97
69) o-Xylene	10.640	106	11881	4.914	ug/l	95
70) Styrene	10.659	104	18278	4.704	ug/l	99
71) Bromoform	10.799	173	4027	4.541	ug/l #	98
73) Isopropylbenzene	10.963	105	29685	4.991	ug/l	98
74) N-amyl acetate	10.848	43	11609	4.300	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	10881	5.310	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	8839m	5.384	ug/l	
77) Bromobenzene	11.195	156	6970	5.163	ug/l	96
78) n-propylbenzene	11.305	91	32196	4.694	ug/l	99
79) 2-Chlorotoluene	11.366	91	21253	5.048	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	23627	4.897	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	1971	3.256	ug/l #	83
82) 4-Chlorotoluene	11.457	91	22190	4.761	ug/l	98
83) tert-Butylbenzene	11.713	119	23960	4.910	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	23561	4.960	ug/l	99
85) sec-Butylbenzene	11.890	105	28314	4.687	ug/l	99
86) p-Isopropyltoluene	12.006	119	21977	4.532	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	12157	4.926	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	12526	5.014	ug/l	96
89) n-Butylbenzene	12.335	91	17358	4.072	ug/l	99
90) Hexachloroethane	12.536	117	3665	4.052	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	12477	5.138	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1787	4.712	ug/l	90
93) 1,2,4-Trichlorobenzene	13.591	180	6040	4.114	ug/l	97
94) Hexachlorobutadiene	13.725	225	2716	4.640	ug/l	97
95) Naphthalene	13.780	128	22927	4.287	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	6600	4.437	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

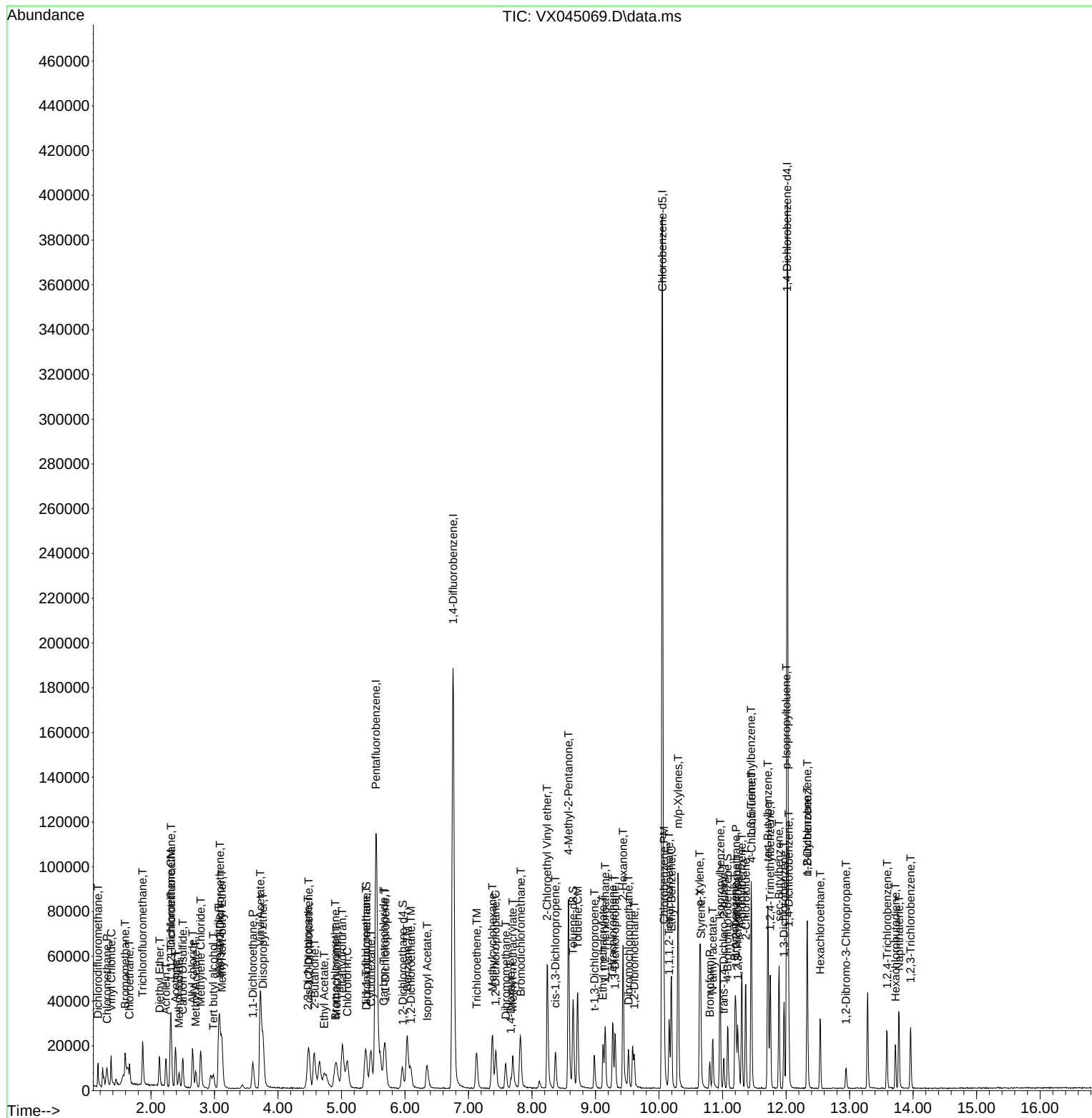
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

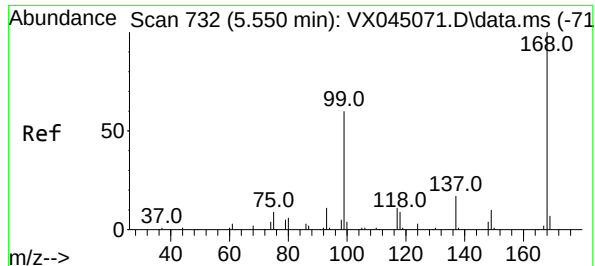
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025





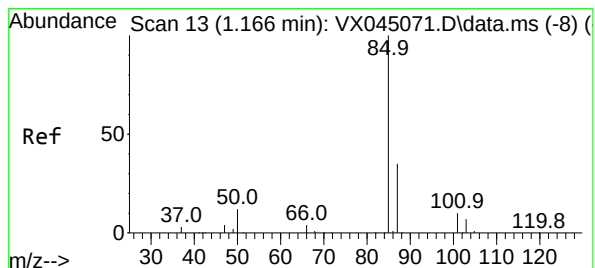
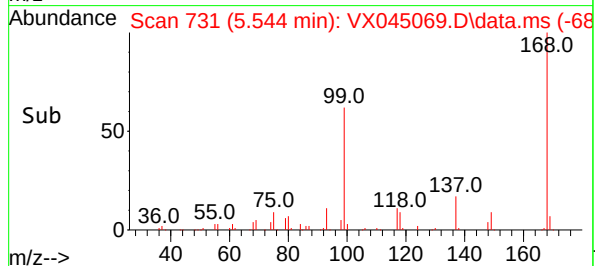
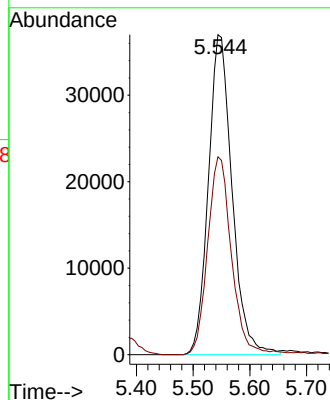
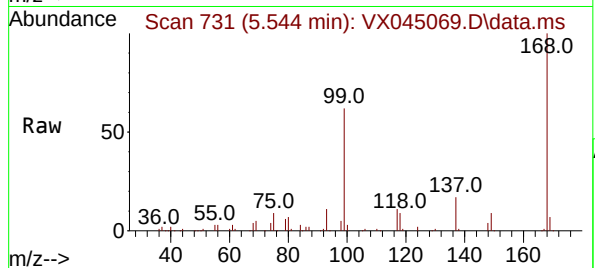
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:168 Resp: 10739
Ion Ratio Lower Upper
168 100
99 61.8 48.2 72.4

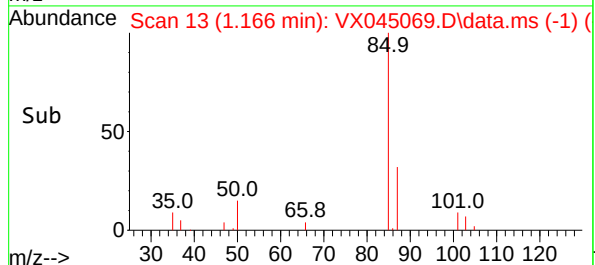
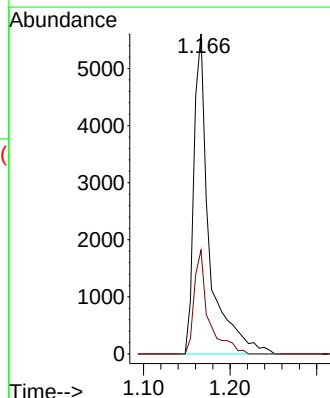
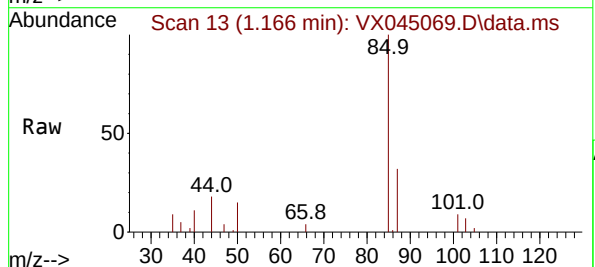
Manual Integrations
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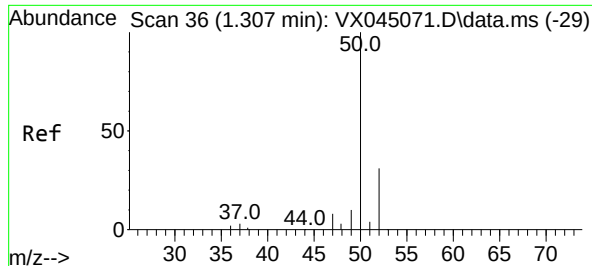
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#2
Dichlorodifluoromethane
Concen: 4.689 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 85 Resp: 6941
Ion Ratio Lower Upper
85 100
87 32.4 17.4 52.3





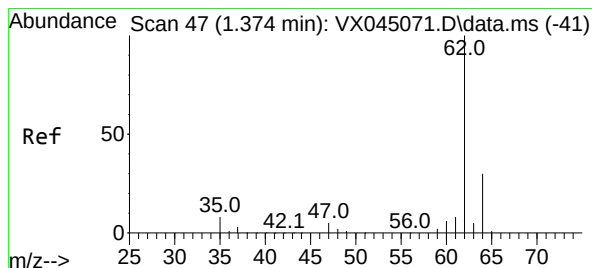
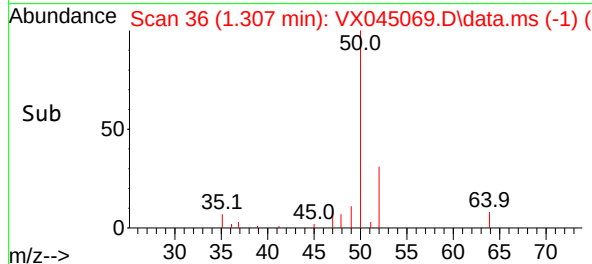
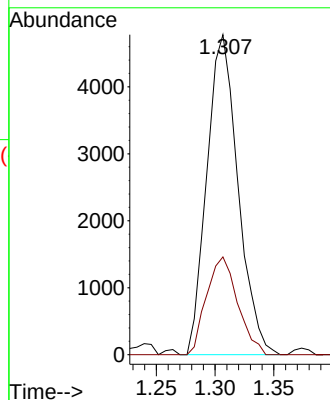
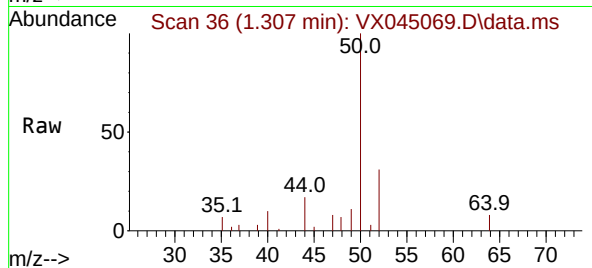
#3
Chloromethane
Concen: 4.896 ug/l
RT: 1.307 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 50 Resp: 8819
Ion Ratio Lower Upper
50 100
52 30.6 25.0 37.4

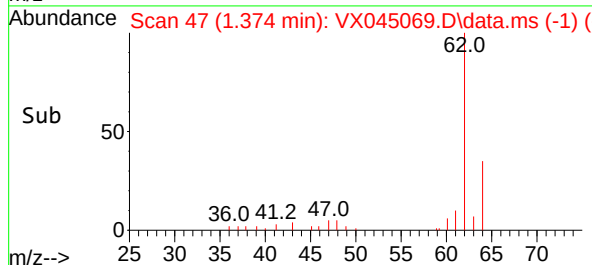
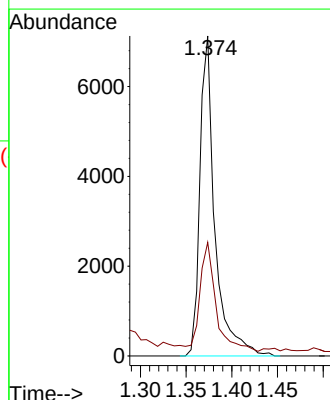
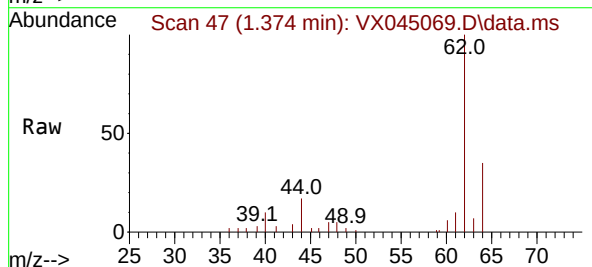
Manual Integrations
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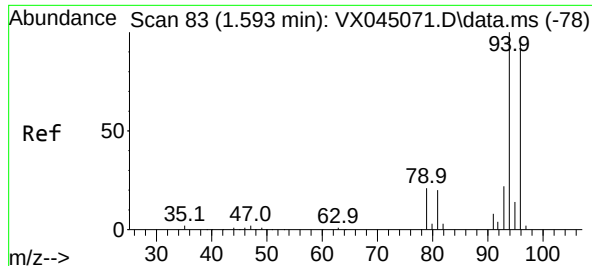
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#4
Vinyl Chloride
Concen: 4.608 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 62 Resp: 8106
Ion Ratio Lower Upper
62 100
64 33.9 24.3 36.5





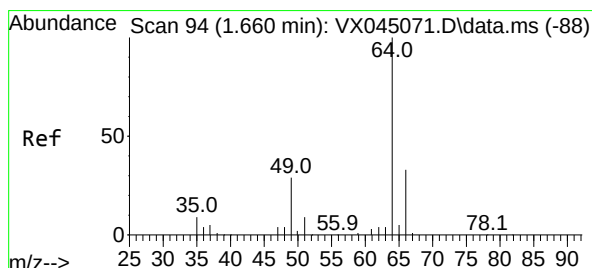
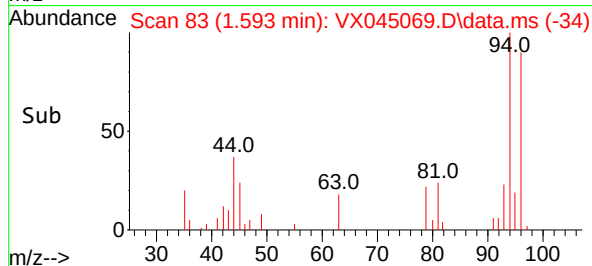
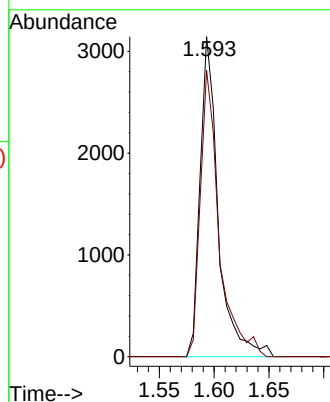
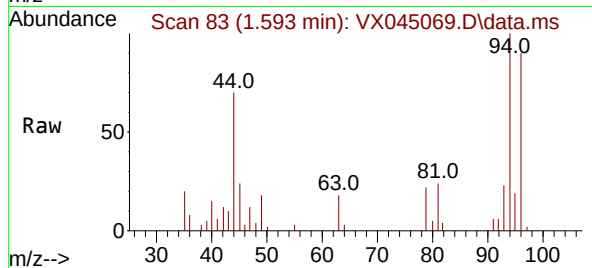
#5
Bromomethane
Concen: 6.582 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 3620
Ion Ratio Lower Upper
94 100
96 89.5 75.0 112.4

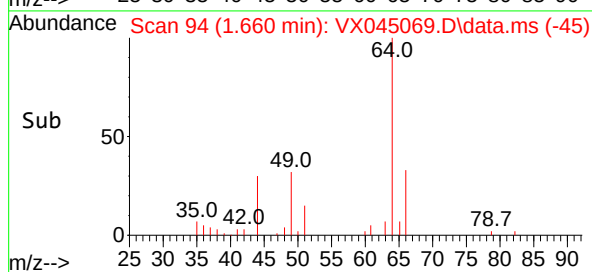
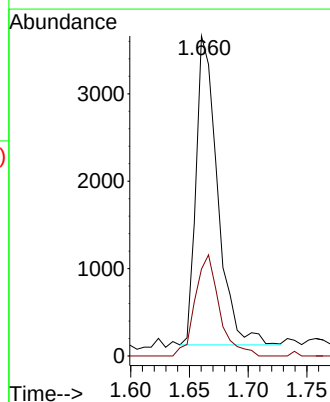
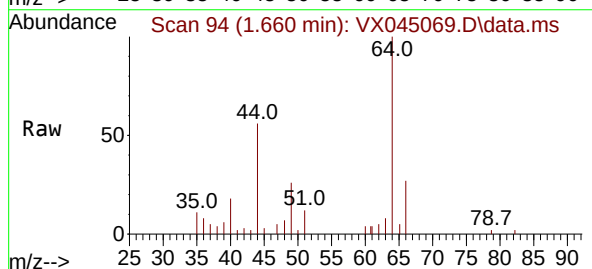
Manual Integrations
APPROVED

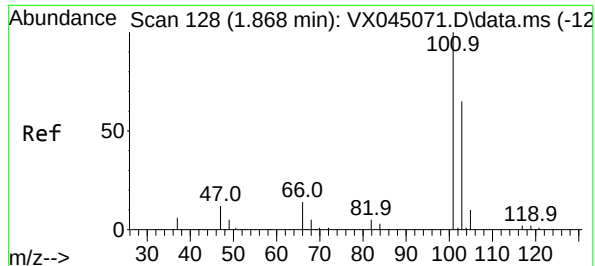
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#6
Chloroethane
Concen: 6.746 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

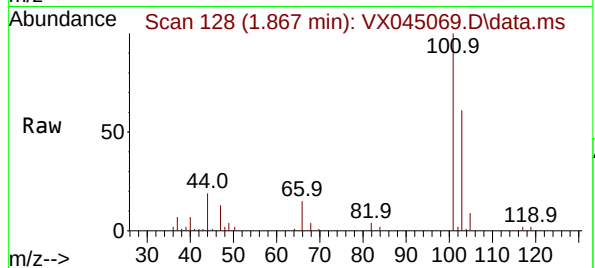
Tgt Ion: 64 Resp: 4517
Ion Ratio Lower Upper
64 100
66 28.1 26.7 40.1





#7
Trichlorofluoromethane
Concen: 5.056 ug/l
RT: 1.867 min Scan# 1139
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

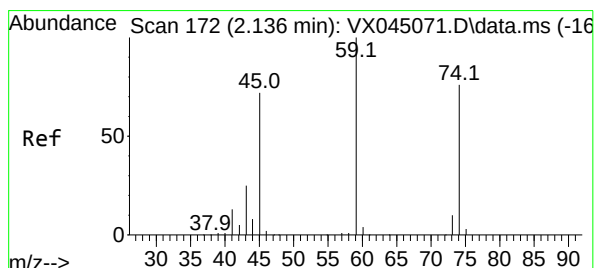
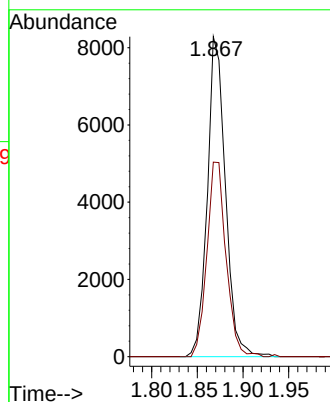
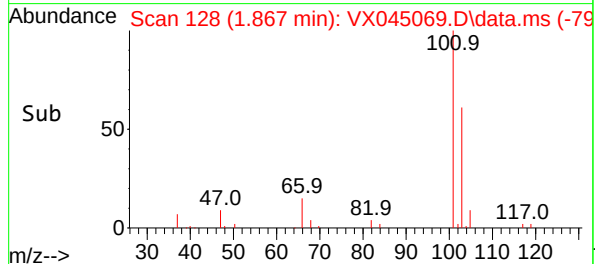
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion:101 Resp: 1139
Ion Ratio Lower Upper
101 100
103 60.8 52.1 78.1

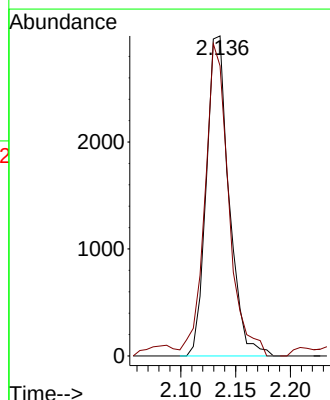
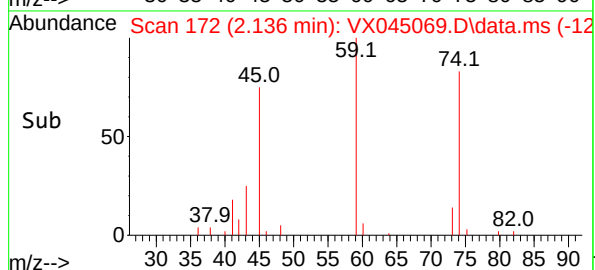
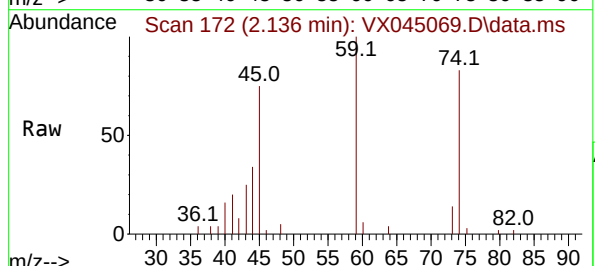
Manual Integrations
APPROVED

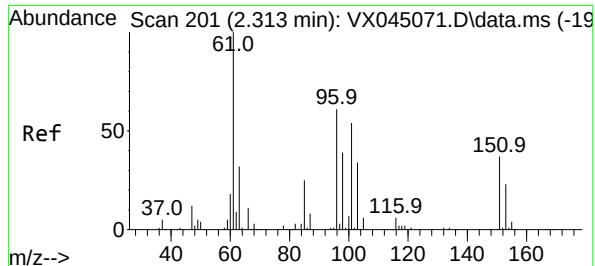
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#8
Diethyl Ether
Concen: 5.268 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 74 Resp: 4314
Ion Ratio Lower Upper
74 100
45 101.9 51.5 154.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.894 ug/l

RT: 2.319 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

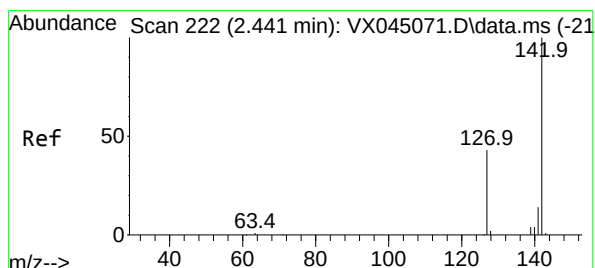
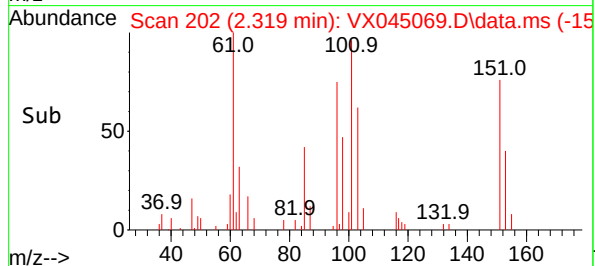
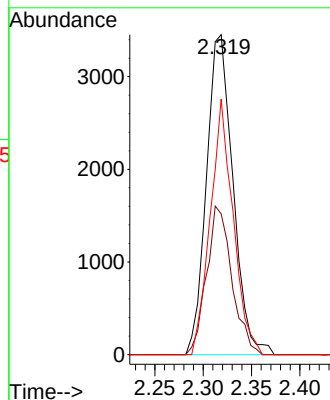
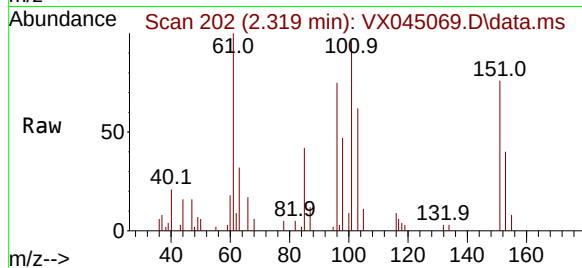
Tgt Ion:	101	Resp:	6580
Ion	Ratio	Lower	Upper
101	100		
85	44.4	36.2	54.4
151	69.0	56.4	84.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#10

Methyl Iodide

Concen: 3.780 ug/l

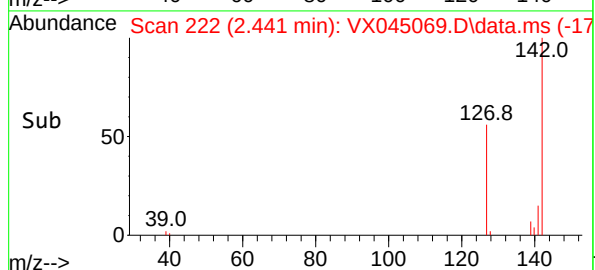
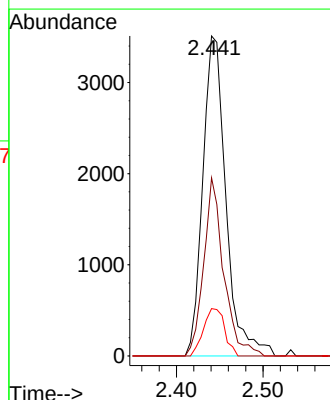
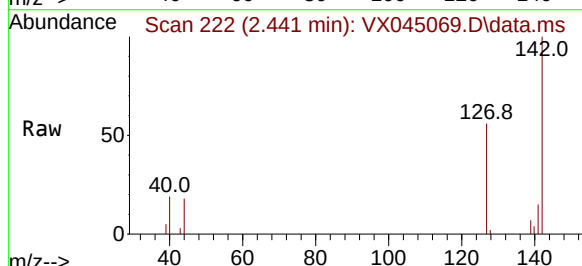
RT: 2.441 min Scan# 222

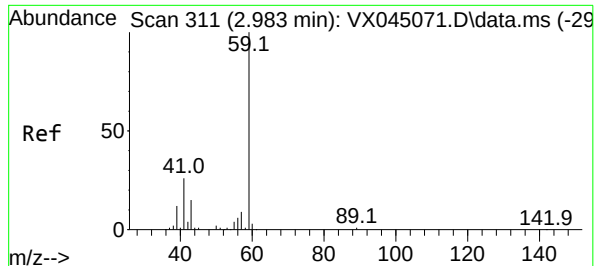
Delta R.T. -0.000 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Tgt Ion:	142	Resp:	6520
Ion	Ratio	Lower	Upper
142	100		
127	48.1	35.4	53.2
141	13.5	11.6	17.4





#11

Tert butyl alcohol

Concen: 34.976 ug/l m

RT: 2.983 min Scan# 311

Delta R.T. -0.000 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 59 Resp: 10164

Ion Ratio Lower Upper

59 100

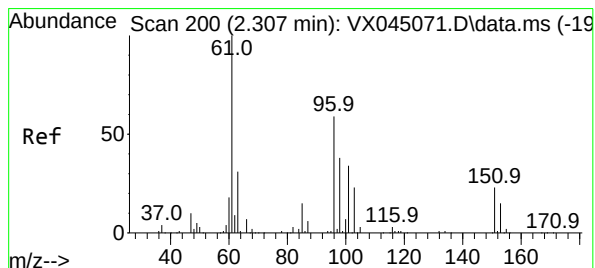
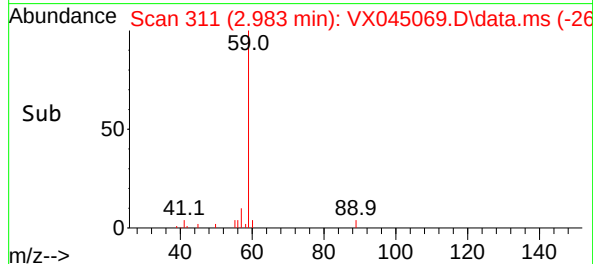
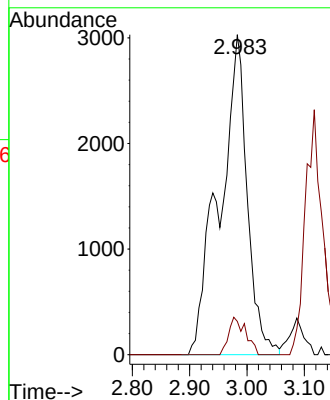
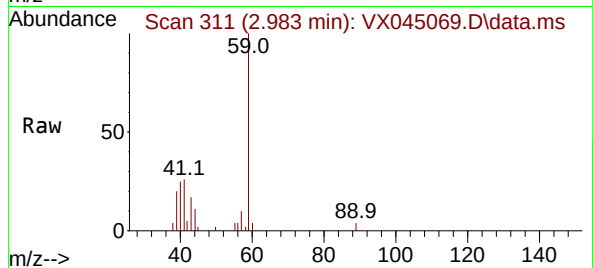
57 7.2 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#12

1,1-Dichloroethene

Concen: 4.819 ug/l

RT: 2.313 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

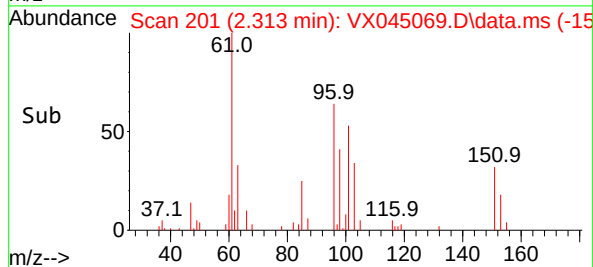
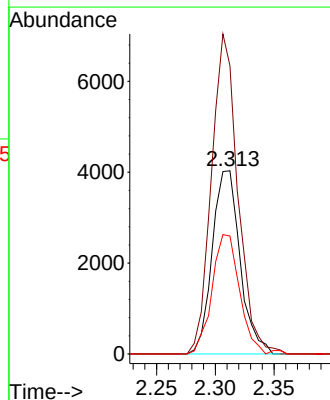
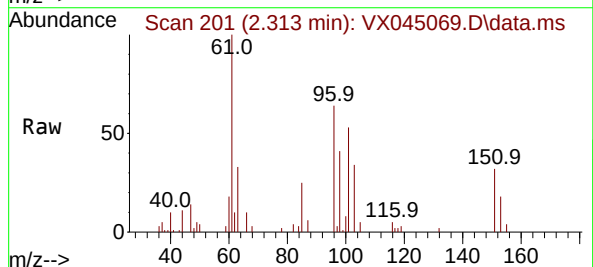
Tgt Ion: 96 Resp: 6658

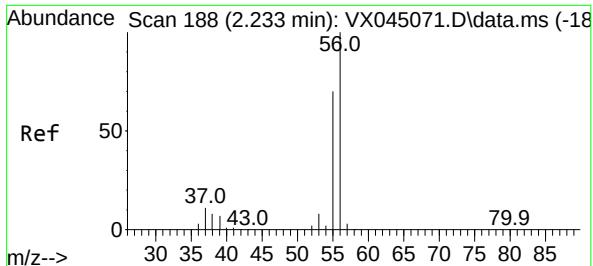
Ion Ratio Lower Upper

96 100

61 157.3 134.6 202.0

98 64.3 51.0 76.6





#13

Acrolein

Concen: 27.725 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 8725

Ion Ratio Lower Upper

56 100

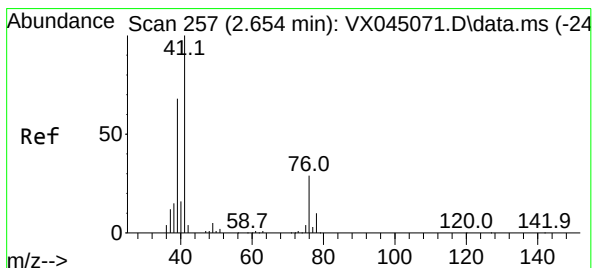
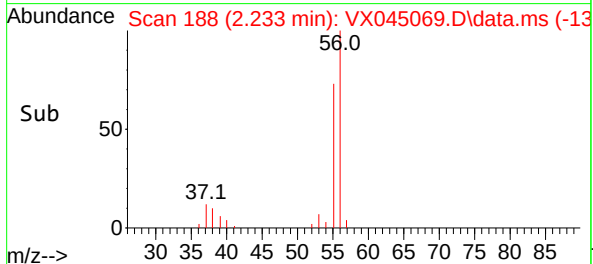
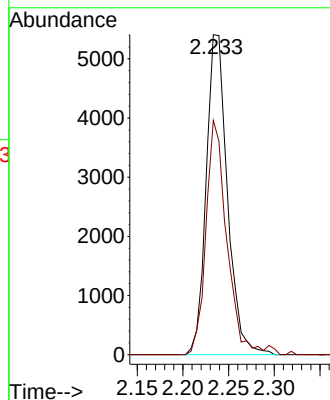
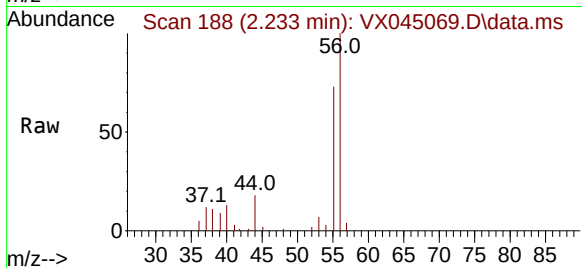
55 72.4 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#14

Allyl chloride

Concen: 4.527 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

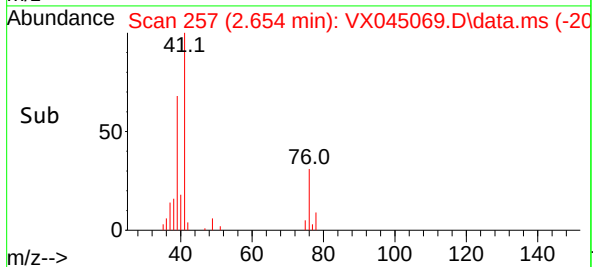
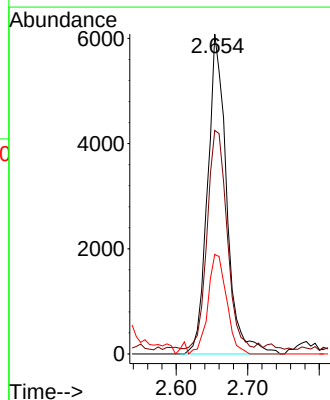
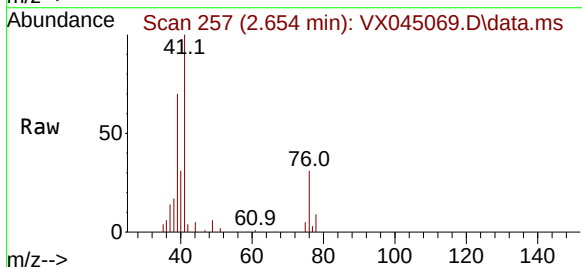
Tgt Ion: 41 Resp: 11244

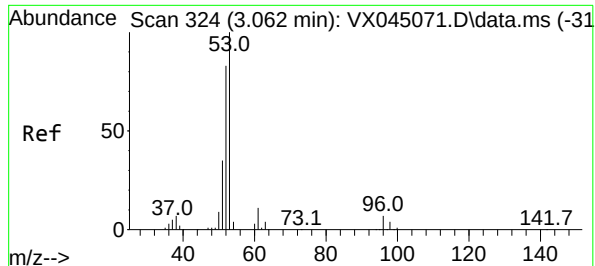
Ion Ratio Lower Upper

41 100

39 70.8 53.8 80.8

76 30.4 25.2 37.8





#15

Acrylonitrile

Concen: 27.072 ug/l

RT: 3.068 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Tgt Ion: 53 Resp: 2138

Ion Ratio Lower Upper

53 100

52 81.1 66.2 99.2

51 36.7 29.0 43.4

Instrument :

MSVOA_X

ClientSampleId :

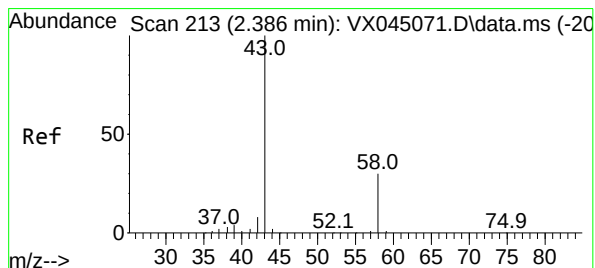
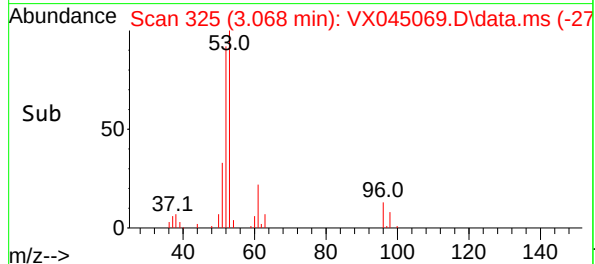
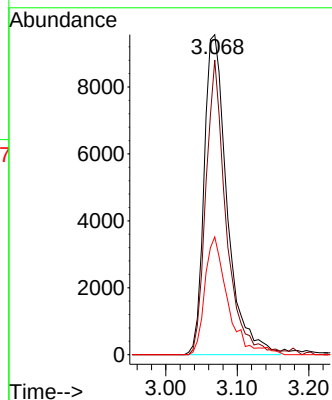
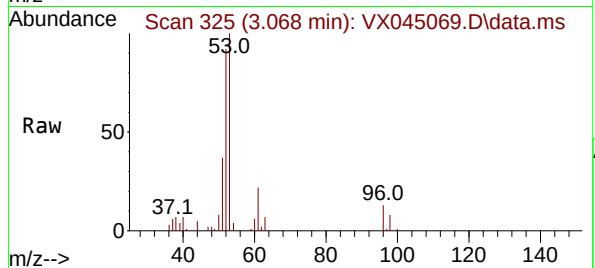
VSTDICC005

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#16

Acetone

Concen: 29.891 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX045069.D

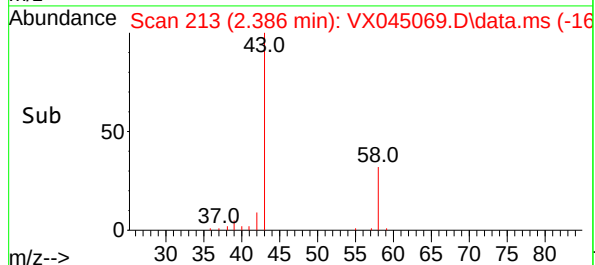
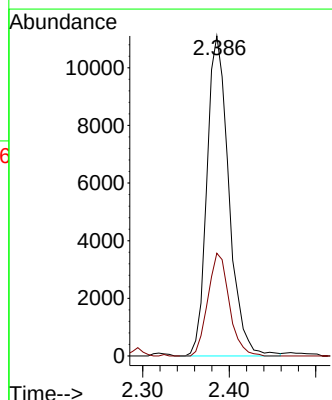
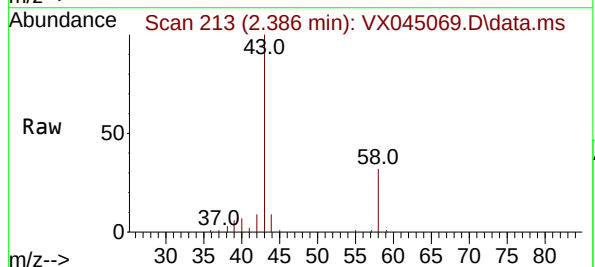
Acq: 28 Feb 2025 02:13

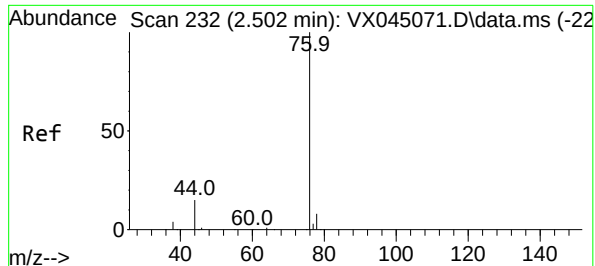
Tgt Ion: 43 Resp: 19512

Ion Ratio Lower Upper

43 100

58 32.1 24.2 36.4





#17

Carbon Disulfide

Concen: 4.518 ug/l

RT: 2.502 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 76 Resp: 16984

Ion Ratio Lower Upper

76 100

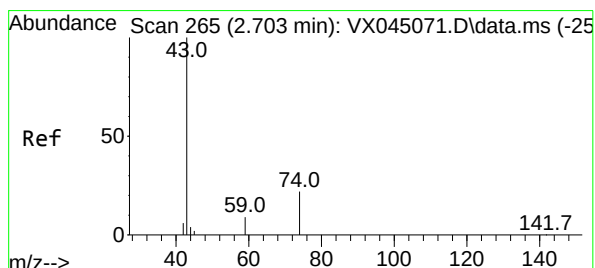
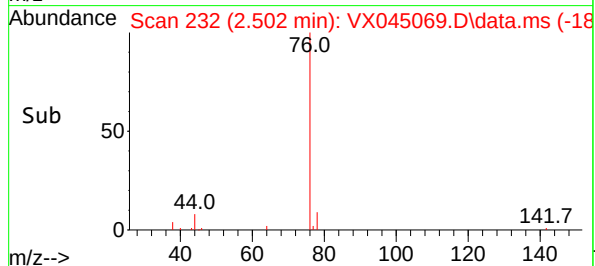
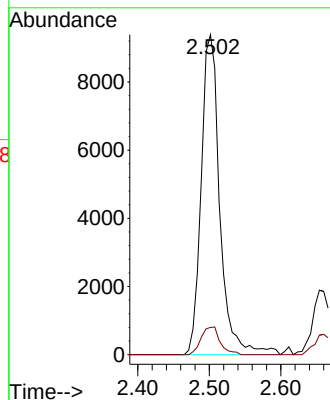
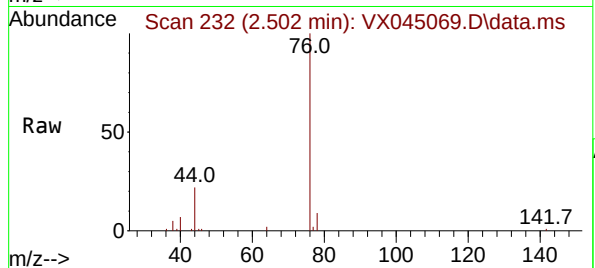
78 8.5 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#18

Methyl Acetate

Concen: 4.559 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX045069.D

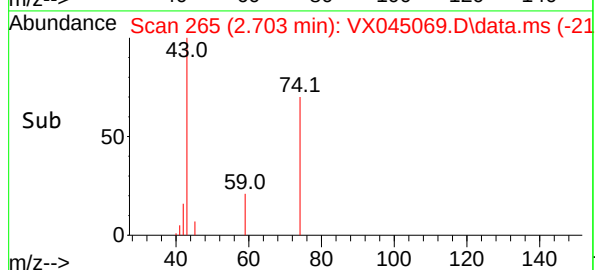
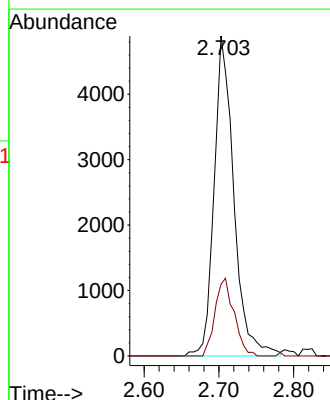
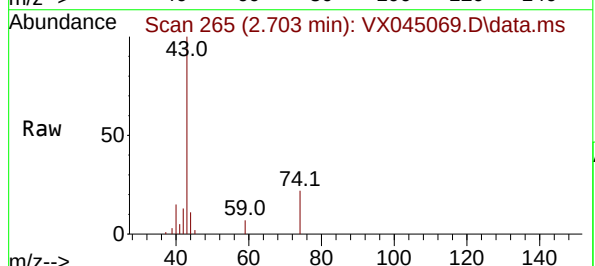
Acq: 28 Feb 2025 02:13

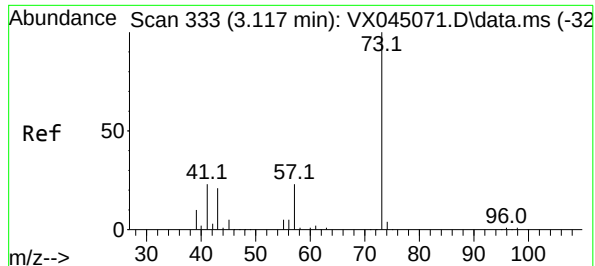
Tgt Ion: 43 Resp: 8964

Ion Ratio Lower Upper

43 100

74 23.3 17.4 26.2





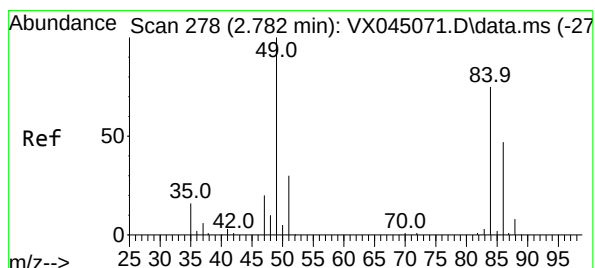
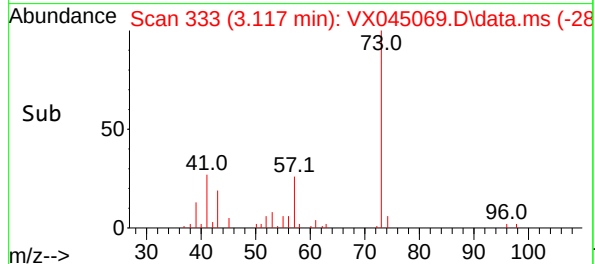
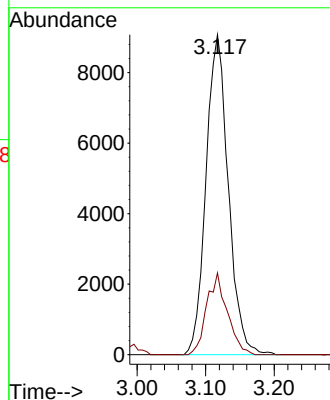
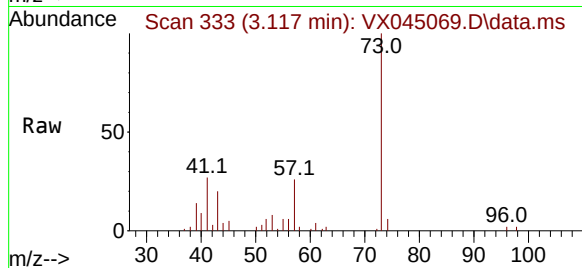
#19
Methyl tert-butyl Ether
Concen: 4.651 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 73 Resp: 20540
Ion Ratio Lower Upper
73 100
57 25.6 18.5 27.7

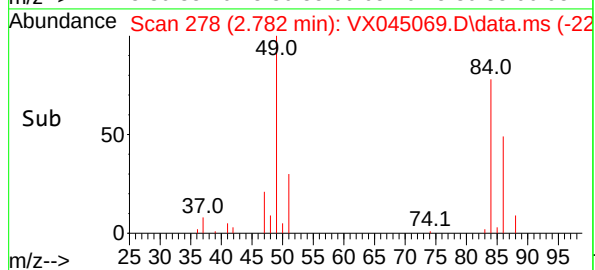
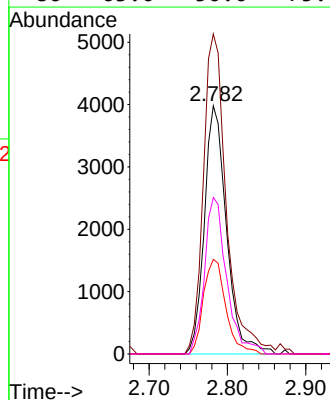
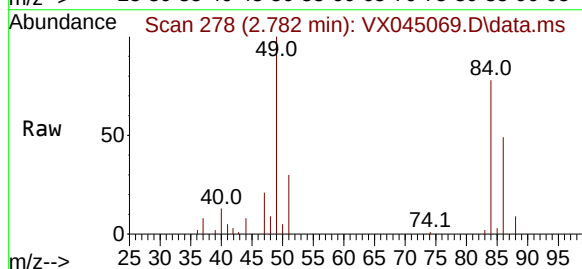
Manual Integrations
APPROVED

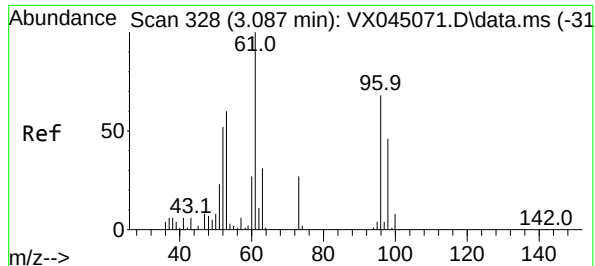
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#20
Methylene Chloride
Concen: 5.068 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 84 Resp: 7835
Ion Ratio Lower Upper
84 100
49 128.9 106.5 159.7
51 38.1 32.1 48.1
86 63.0 50.0 75.0





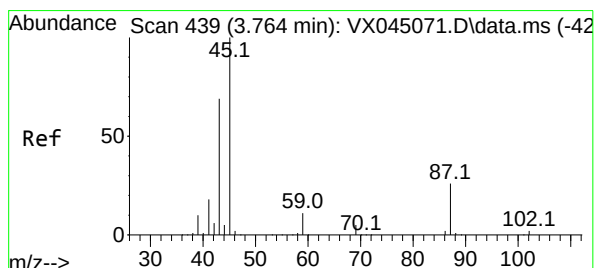
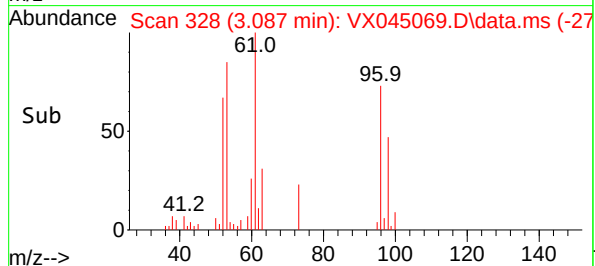
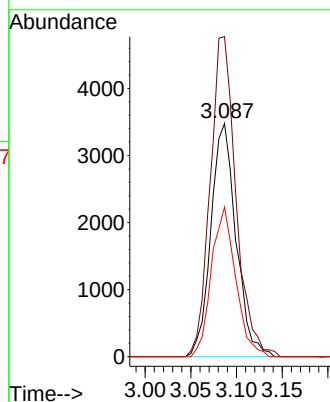
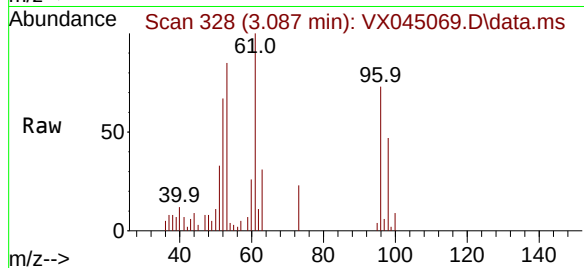
#21
trans-1,2-Dichloroethene
Concen: 4.895 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 665
Ion Ratio Lower Upper
96 100
61 137.2 117.0 175.4
98 64.1 53.4 80.2

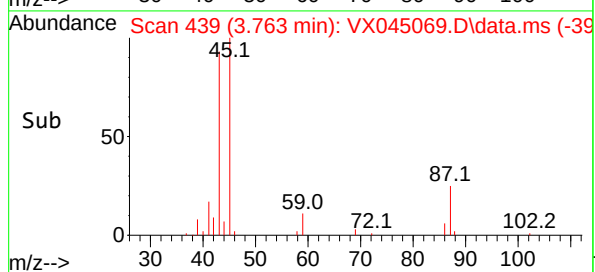
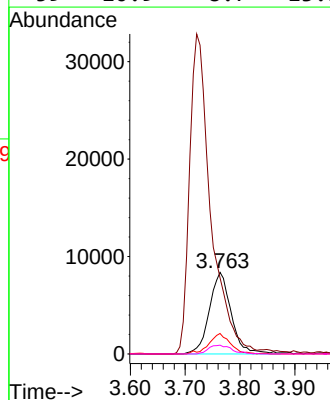
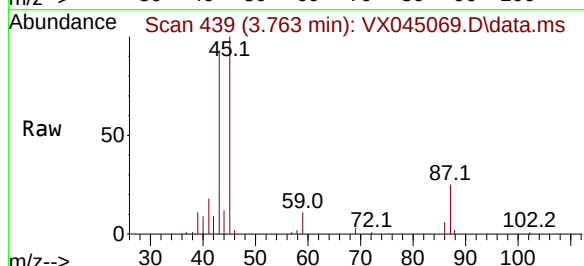
Manual Integrations
APPROVED

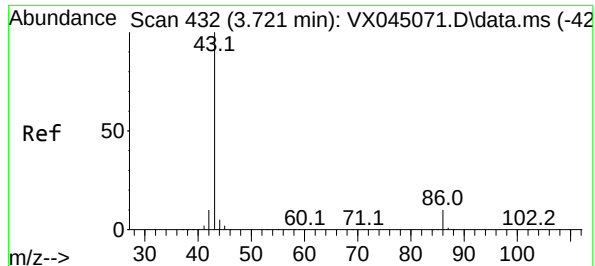
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#22
Diisopropyl ether
Concen: 4.875 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 45 Resp: 23151
Ion Ratio Lower Upper
45 100
43 90.2 54.9 82.3#
87 25.1 21.0 31.4
59 10.9 8.7 13.1





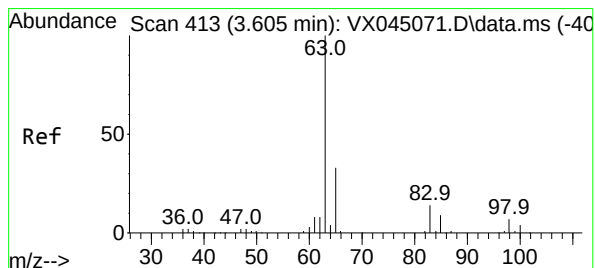
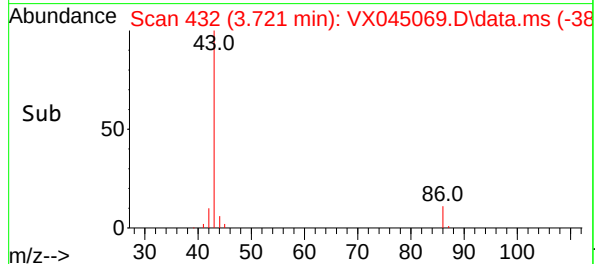
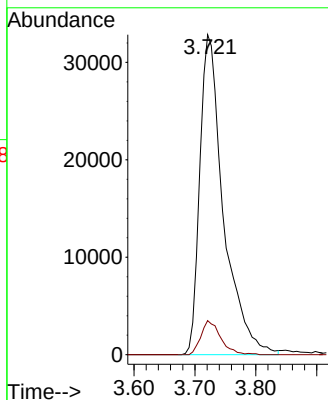
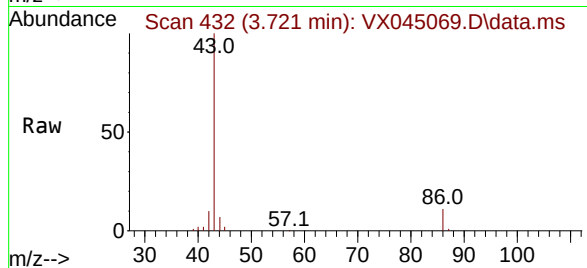
#23
Vinyl Acetate
Concen: 22.788 ug/l
RT: 3.721 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 8885
Ion Ratio Lower Upper
43 100
86 10.7 8.1 12.1

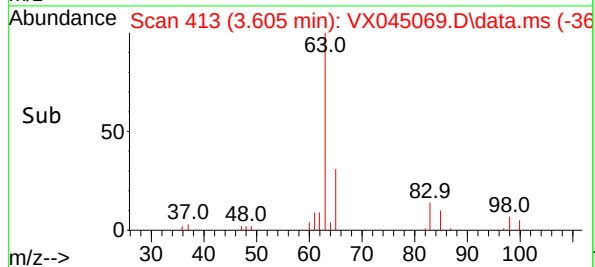
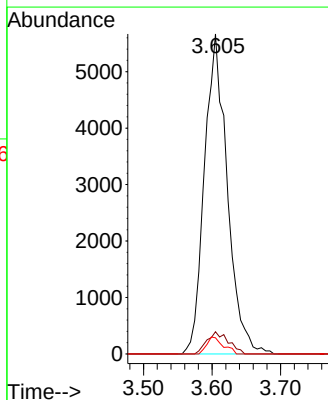
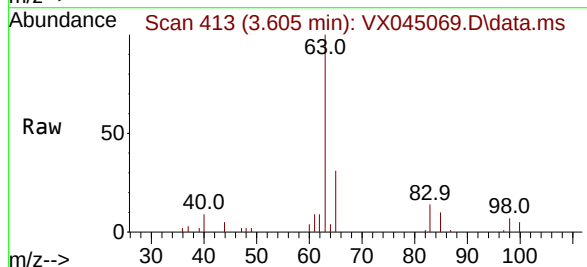
Manual Integrations
APPROVED

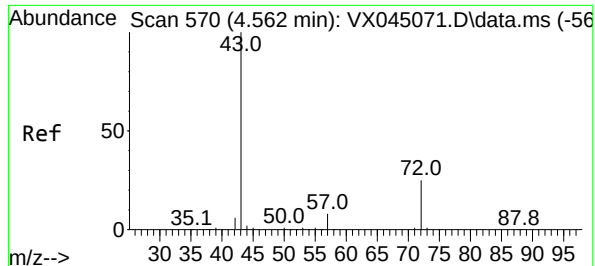
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#24
1,1-Dichloroethane
Concen: 4.949 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

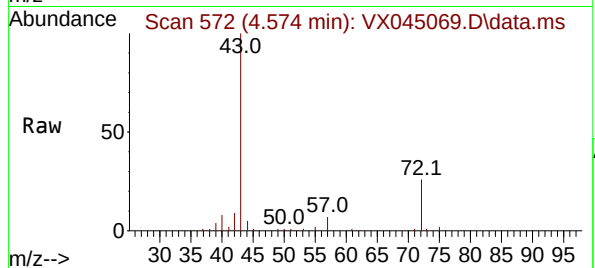
Tgt Ion: 63 Resp: 13132
Ion Ratio Lower Upper
63 100
98 7.0 3.4 10.2
100 5.1 2.1 6.5





#25
2-Butanone
Concen: 27.819 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

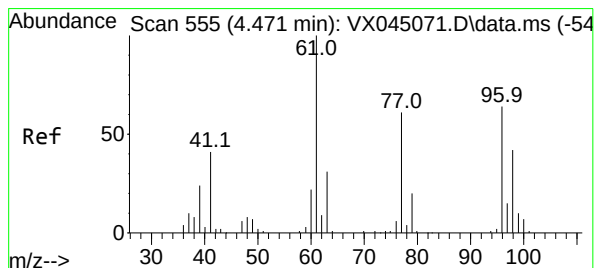
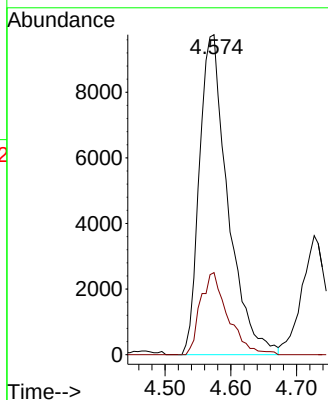
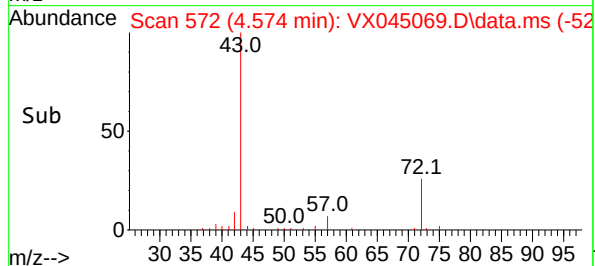
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 43 Resp: 2927
Ion Ratio Lower Upper
43 100
72 25.7 20.0 30.0

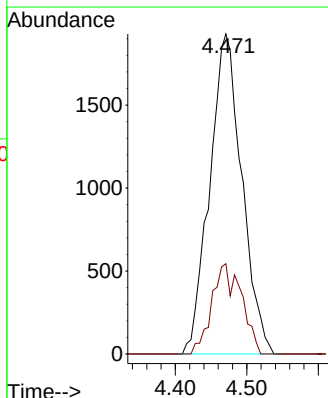
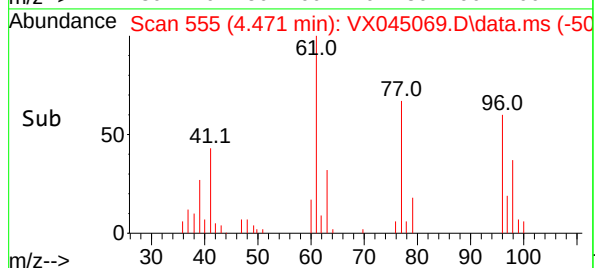
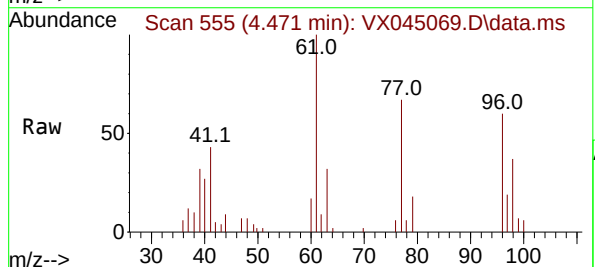
Manual Integrations
APPROVED

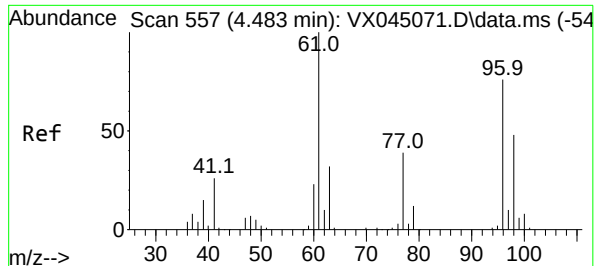
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#26
2,2-Dichloropropane
Concen: 3.059 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

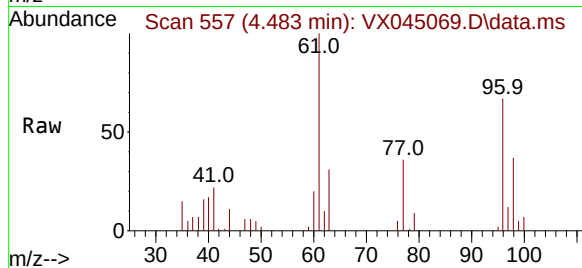
Tgt Ion: 77 Resp: 6034
Ion Ratio Lower Upper
77 100
97 26.0 12.4 37.0





#27
cis-1,2-Dichloroethene
Concen: 4.892 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

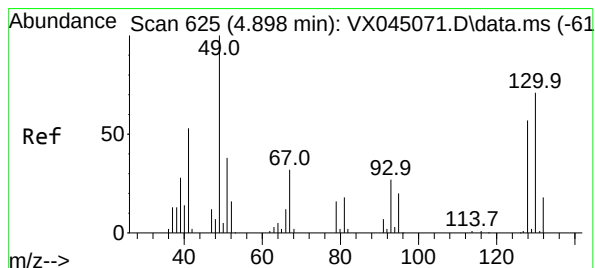
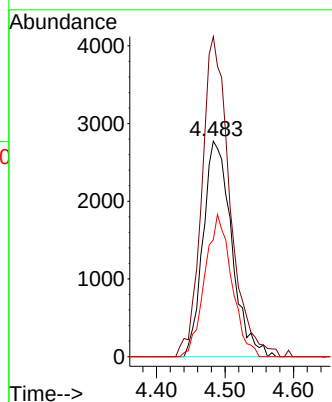
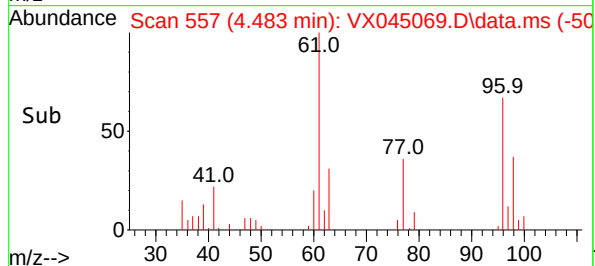
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 96 Resp: 801
Ion Ratio Lower Upper
96 100
61 146.1 0.0 283.2
98 62.0 0.0 128.0

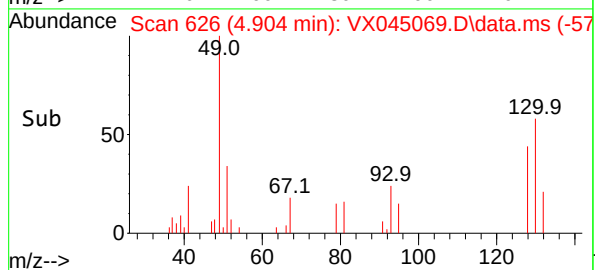
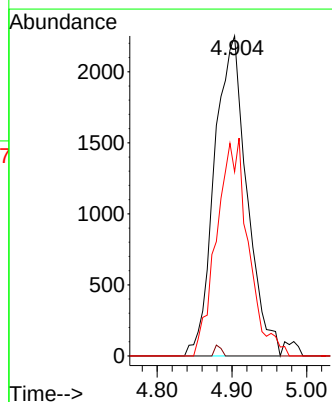
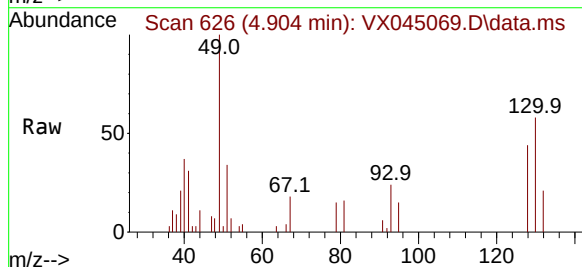
Manual Integrations
APPROVED

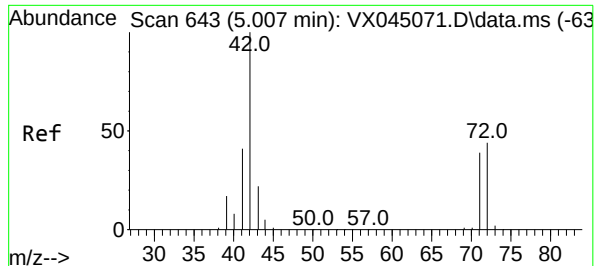
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#28
Bromochloromethane
Concen: 5.311 ug/l
RT: 4.904 min Scan# 626
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 49 Resp: 6797
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.4
130 66.5 56.1 84.1





#29

Tetrahydrofuran

Concen: 28.950 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

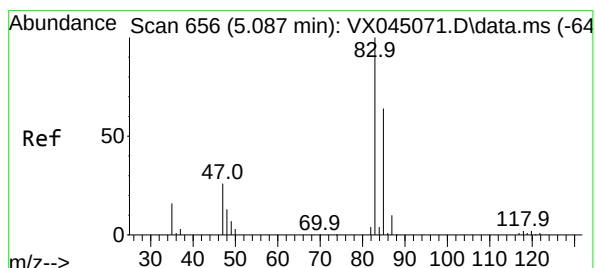
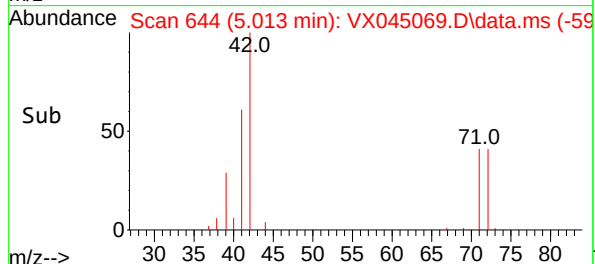
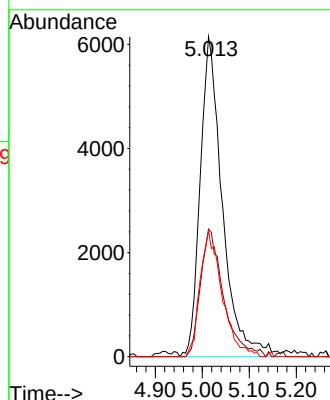
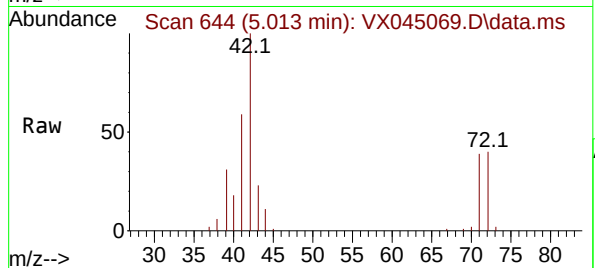
Tgt Ion:	42	Resp:	20180
Ion	Ratio	Lower	Upper
42	100		
72	41.2	34.1	51.1
71	39.3	31.4	47.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#30

Chloroform

Concen: 5.159 ug/l

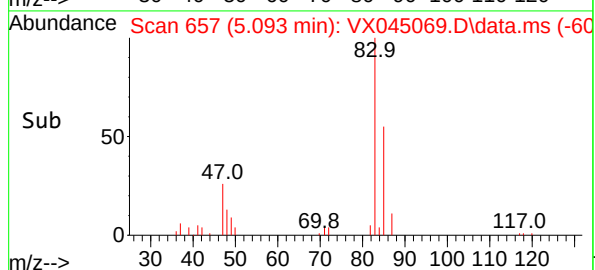
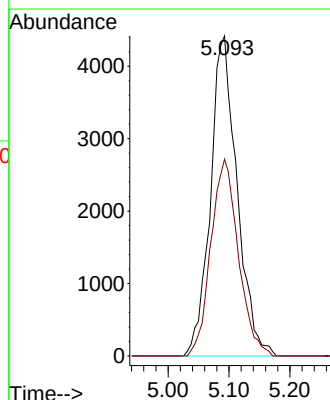
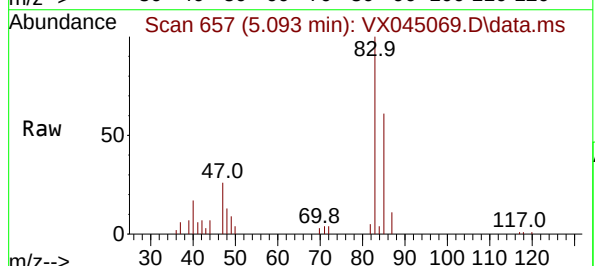
RT: 5.093 min Scan# 657

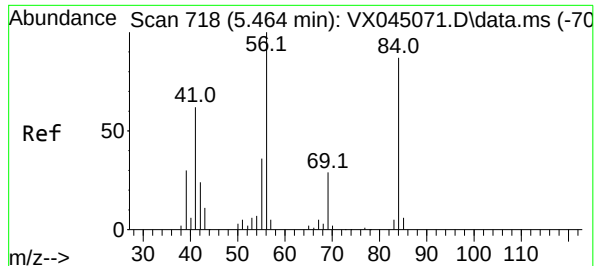
Delta R.T. 0.006 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Tgt Ion:	83	Resp:	13390
Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.4	77.2





#31

Cyclohexane

Concen: 4.504 ug/l

RT: 5.464 min Scan# 718

Delta R.T. -0.000 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 1096

Ion Ratio Lower Upper

56 100

69 33.0 23.4 35.2

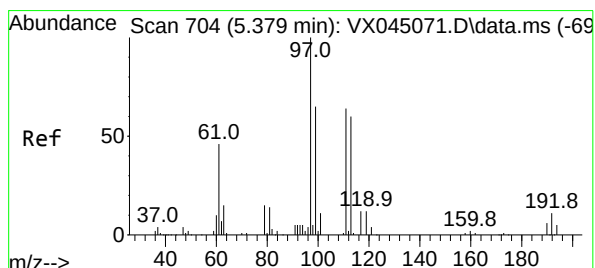
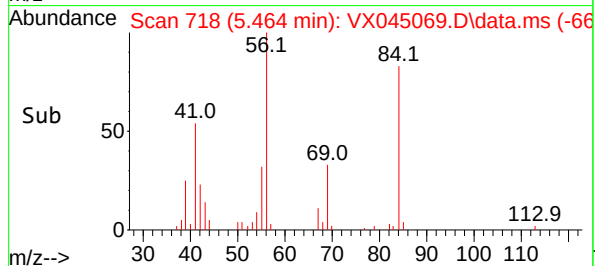
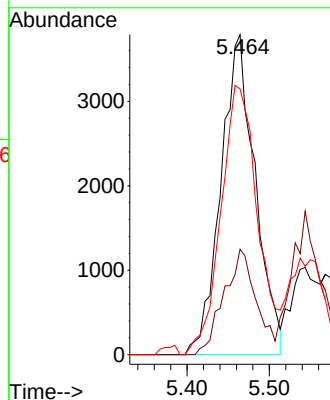
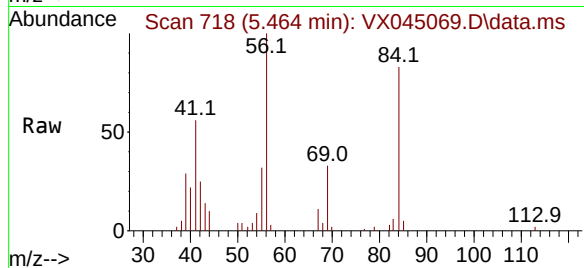
84 83.1 69.4 104.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#32

1,1,1-Trichloroethane

Concen: 4.876 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

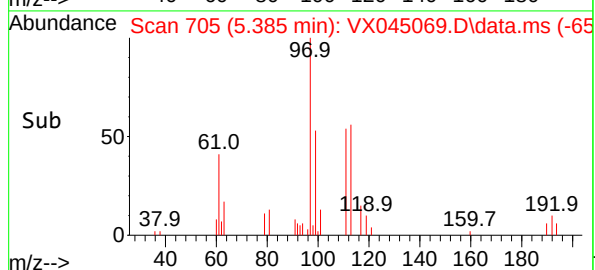
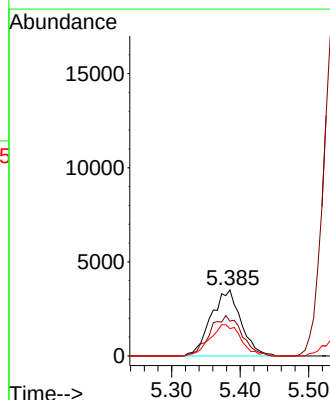
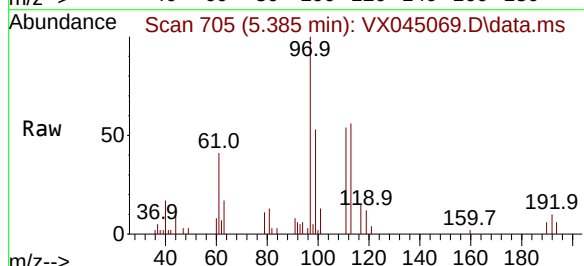
Tgt Ion: 97 Resp: 10654

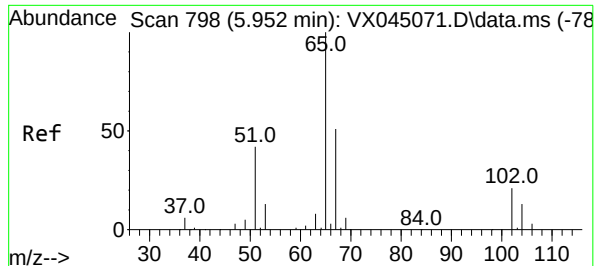
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 48.7 38.4 57.6





#33

1,2-Dichloroethane-d4

Concen: 5.659 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.012 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 8978

Ion Ratio Lower Upper

65 100

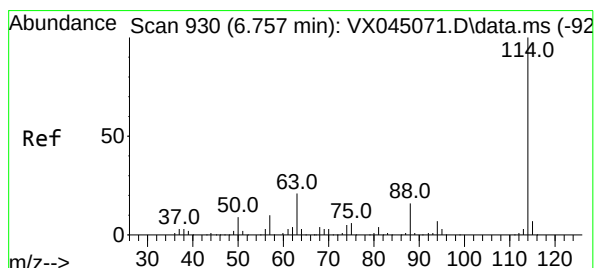
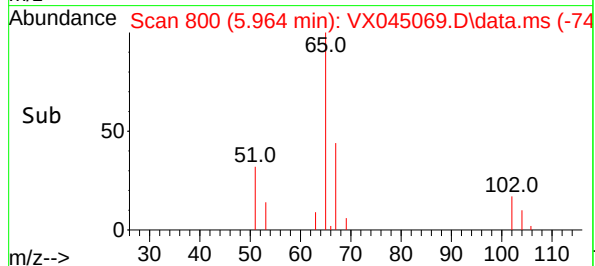
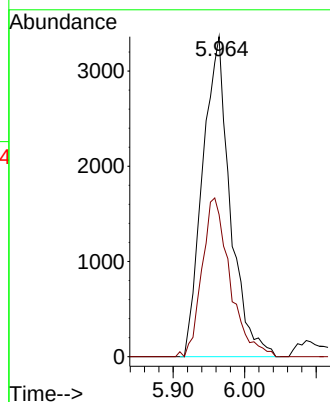
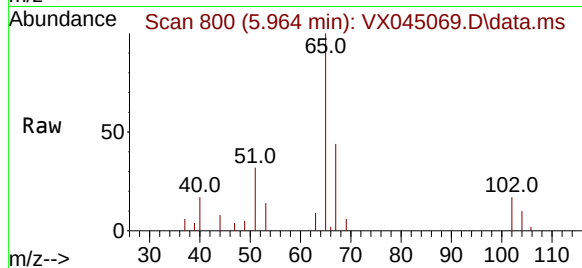
67 50.5 0.0 106.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

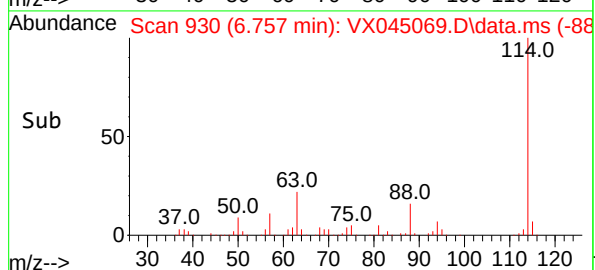
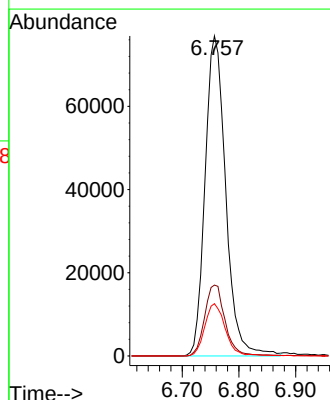
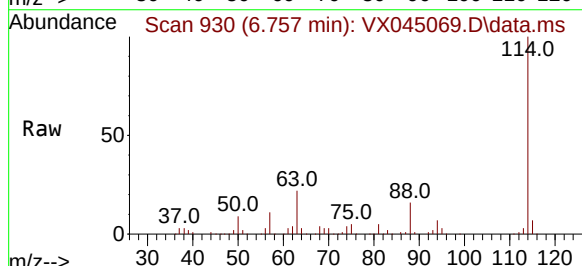
Tgt Ion:114 Resp: 194243

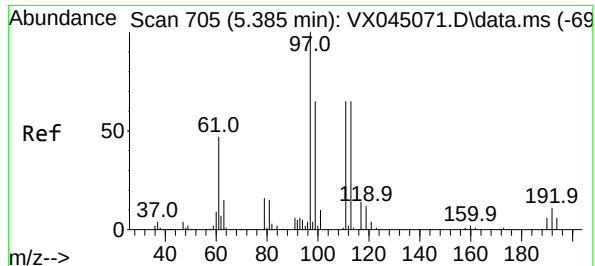
Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.8

88 16.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 5.039 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX045069.D

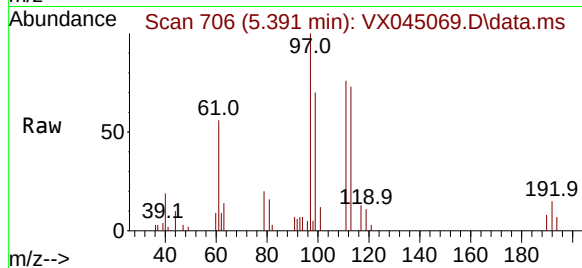
Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005



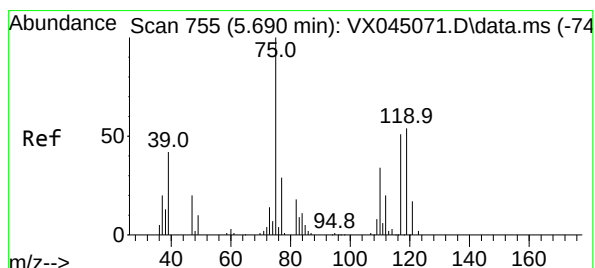
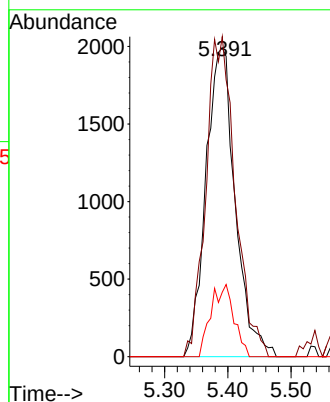
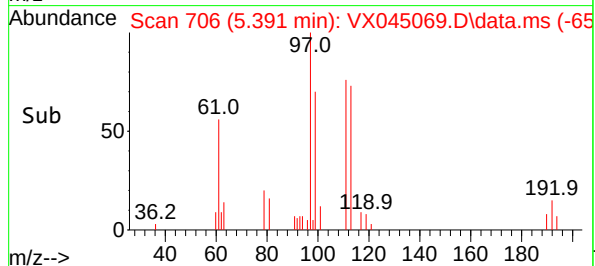
Tgt Ion:	113	Resp:	6398
Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.6
192	18.3	14.3	21.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#36

1,1-Dichloropropene

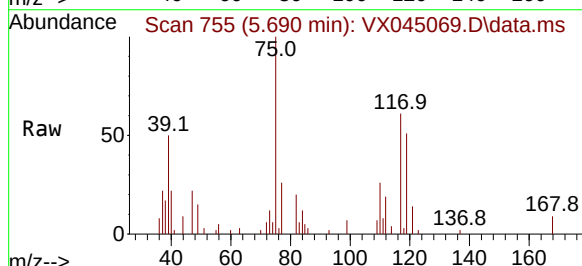
Concen: 4.917 ug/l

RT: 5.690 min Scan# 755

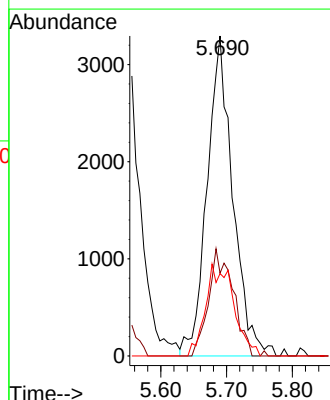
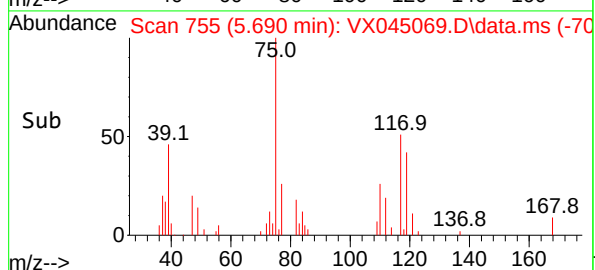
Delta R.T. -0.000 min

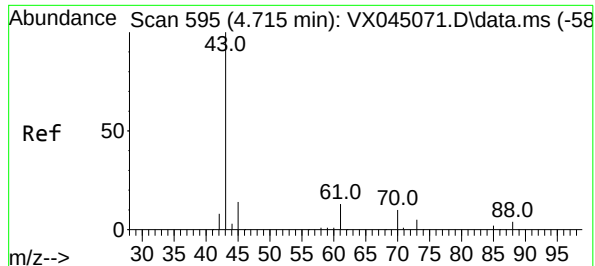
Lab File: VX045069.D

Acq: 28 Feb 2025 02:13



Tgt Ion:	75	Resp:	8977
Ion	Ratio	Lower	Upper
75	100		
110	31.8	16.9	50.6
77	13.2	24.5	36.7





#37

Ethyl Acetate

Concen: 5.035 ug/l

RT: 4.727 min Scan# 595

Delta R.T. 0.012 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

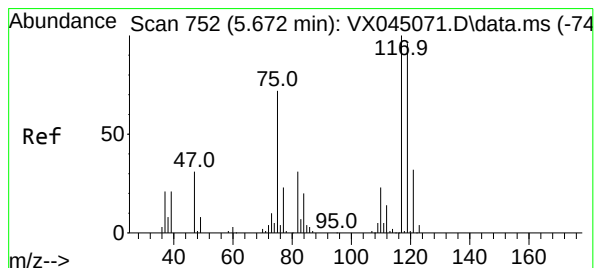
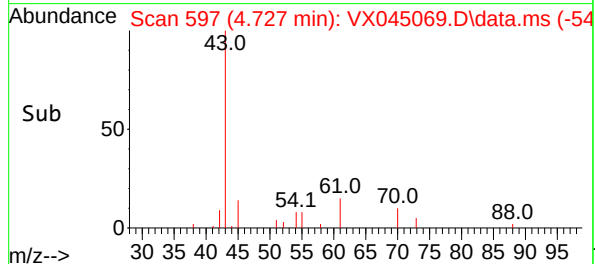
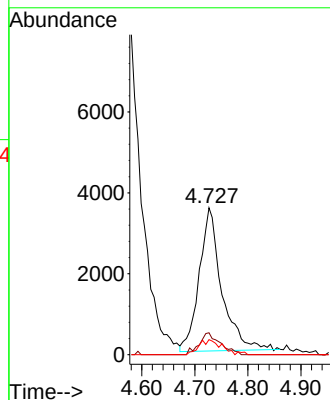
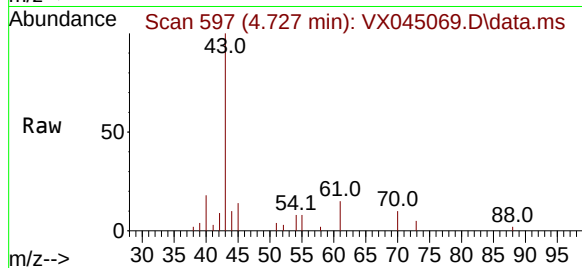
Tgt Ion:	43	Resp:	1045
Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.8	16.2
70	10.2	7.7	11.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#38

Carbon Tetrachloride

Concen: 5.013 ug/l

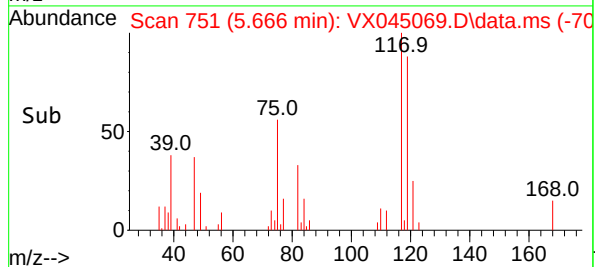
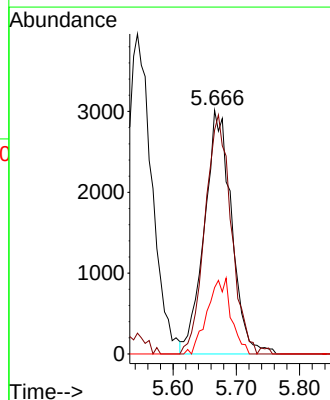
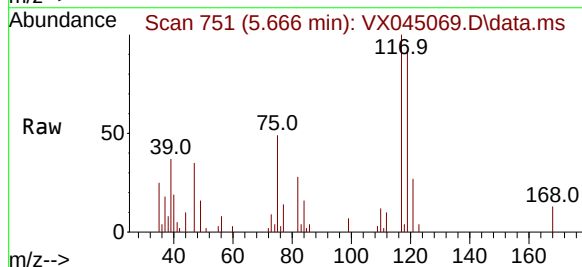
RT: 5.666 min Scan# 751

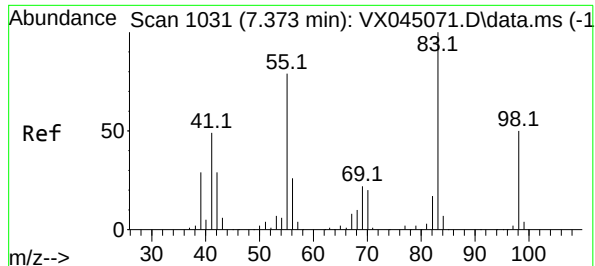
Delta R.T. -0.006 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Tgt Ion:	117	Resp:	8997
Ion	Ratio	Lower	Upper
117	100		
119	92.0	76.7	115.1
121	27.2	25.5	38.3





#39

Methylcyclohexane

Concen: 4.414 ug/l

RT: 7.379 min Scan# 1029

Delta R.T. 0.006 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 1029

Ion Ratio Lower Upper

83 100

55 76.4 63.0 94.4

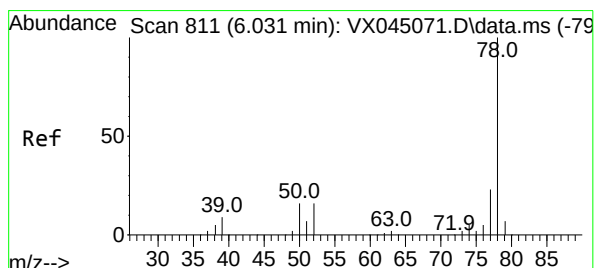
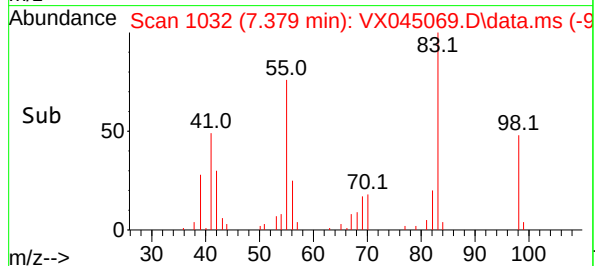
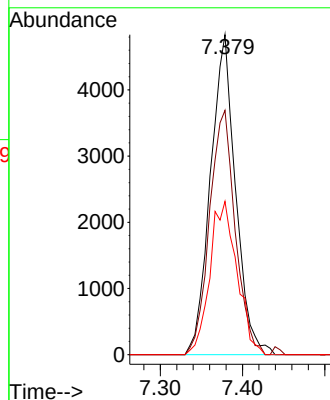
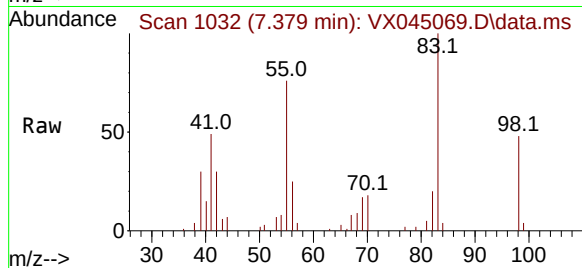
98 47.9 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#40

Benzene

Concen: 4.966 ug/l

RT: 6.037 min Scan# 812

Delta R.T. 0.006 min

Lab File: VX045069.D

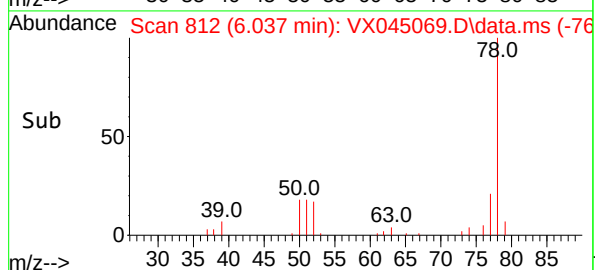
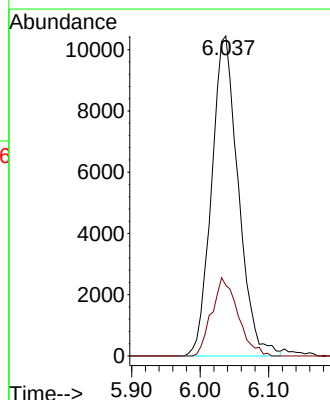
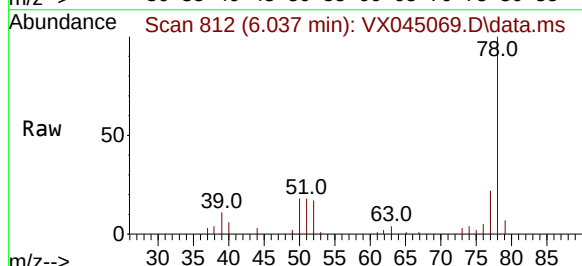
Acq: 28 Feb 2025 02:13

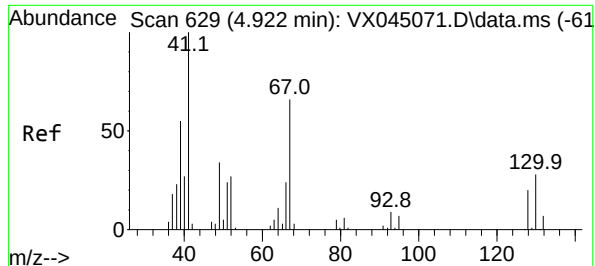
Tgt Ion: 78 Resp: 28339

Ion Ratio Lower Upper

78 100

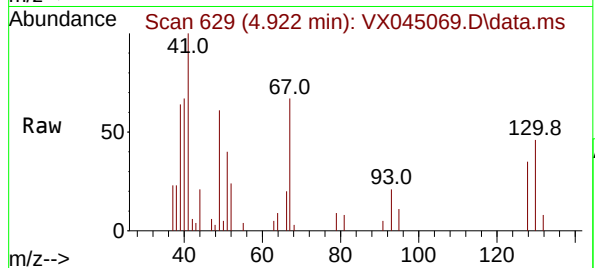
77 22.1 18.8 28.2





#41
Methacrylonitrile
Concen: 5.136 ug/l
RT: 4.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

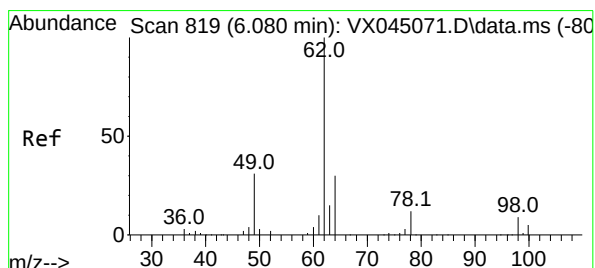
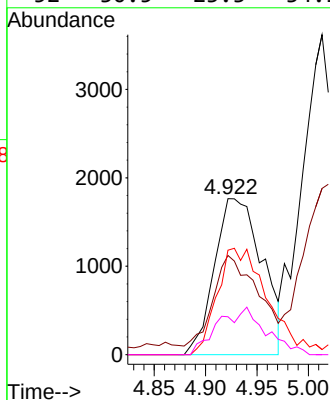
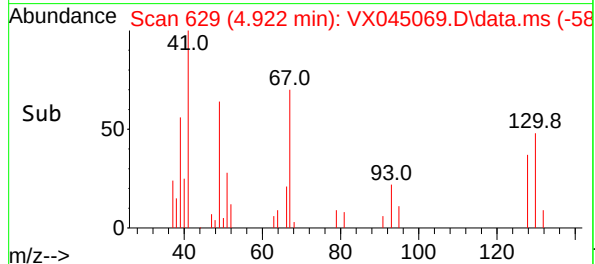
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 41 Resp: 5700
Ion Ratio Lower Upper
41 100
39 53.3 44.6 67.0
67 73.4 53.9 80.9
52 30.5 23.3 34.9

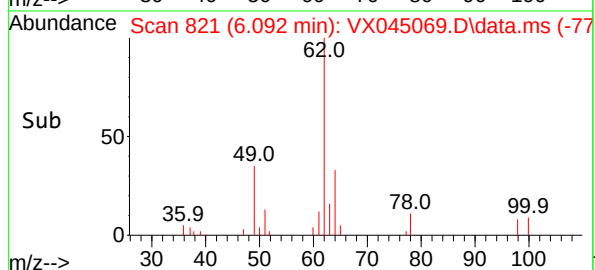
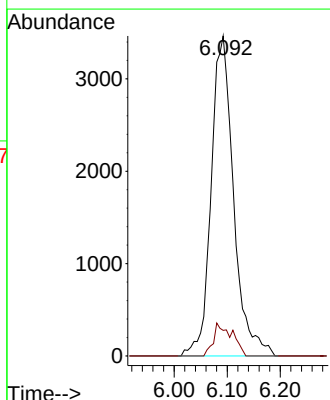
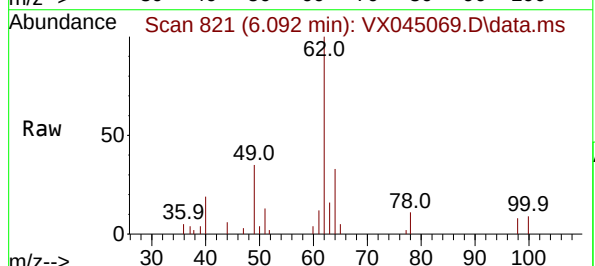
Manual Integrations
APPROVED

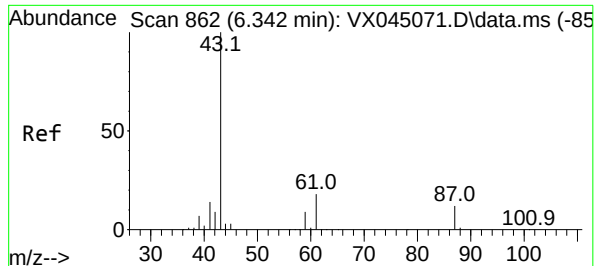
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#42
1,2-Dichloroethane
Concen: 5.510 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

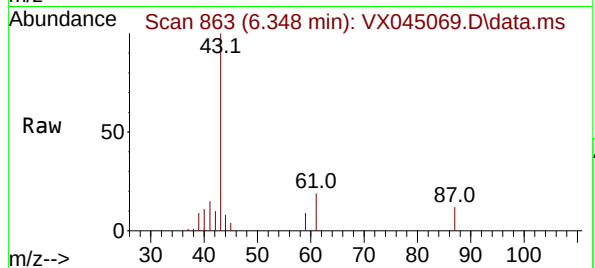
Tgt Ion: 62 Resp: 10189
Ion Ratio Lower Upper
62 100
98 8.5 0.0 18.2





#43
Isopropyl Acetate
Concen: 4.700 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

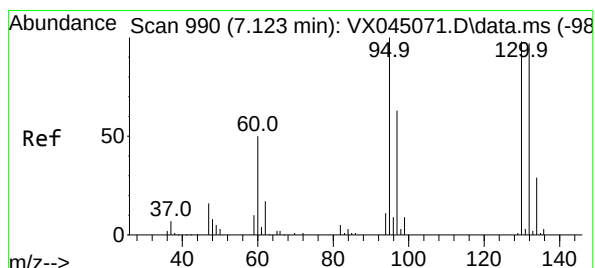
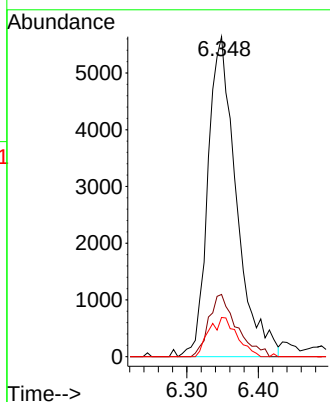
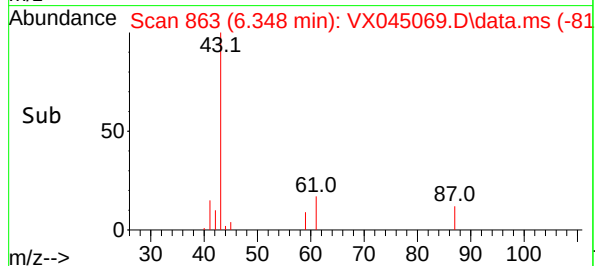
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion: 43 Resp: 1554
Ion Ratio Lower Upper
43 100
61 19.0 14.9 22.3
87 12.1 9.4 14.2

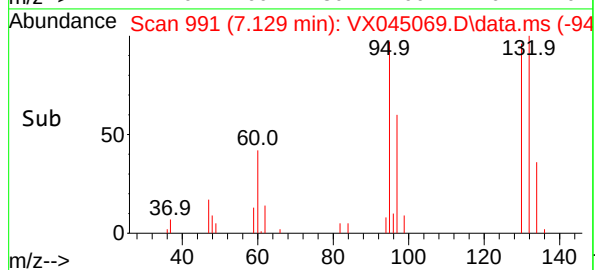
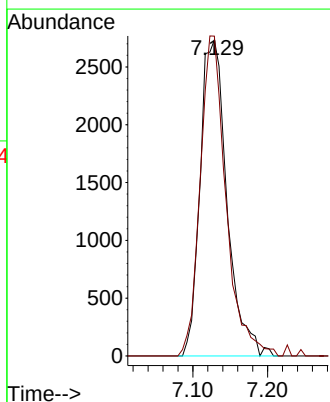
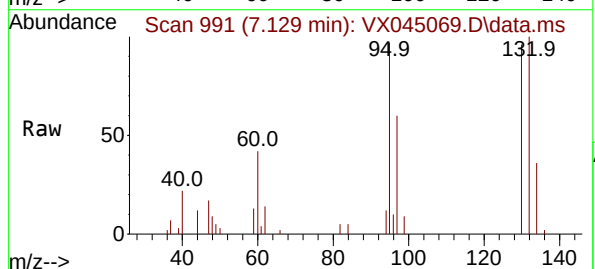
Manual Integrations
APPROVED

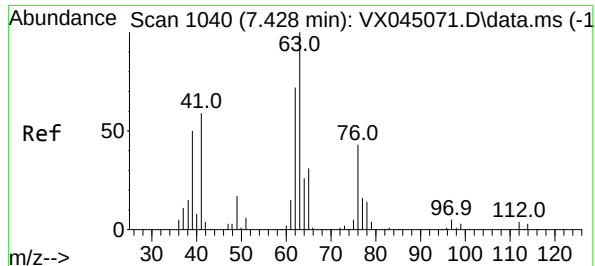
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#44
Trichloroethene
Concen: 5.234 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:130 Resp: 6827
Ion Ratio Lower Upper
130 100
95 101.2 0.0 205.0





#45

1,2-Dichloropropane

Concen: 5.177 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 734

Ion Ratio Lower Upper

63 100

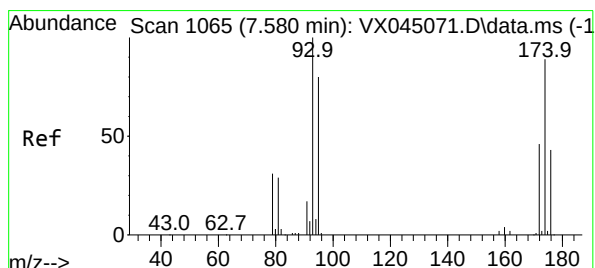
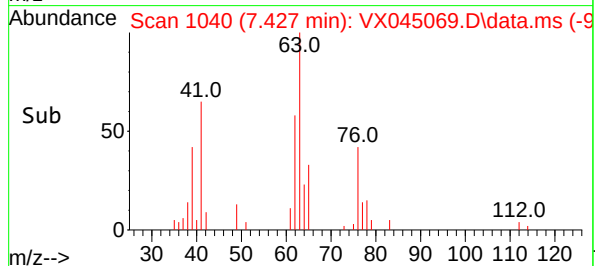
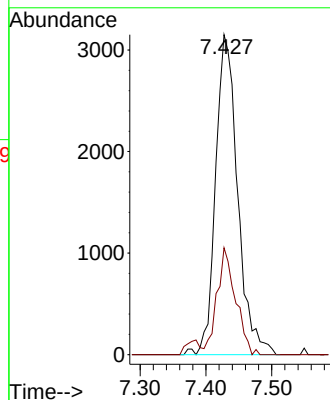
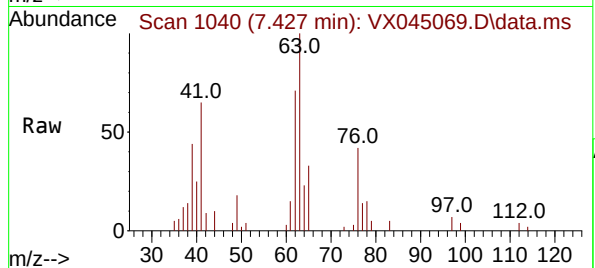
65 33.4 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#46

Dibromomethane

Concen: 5.195 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

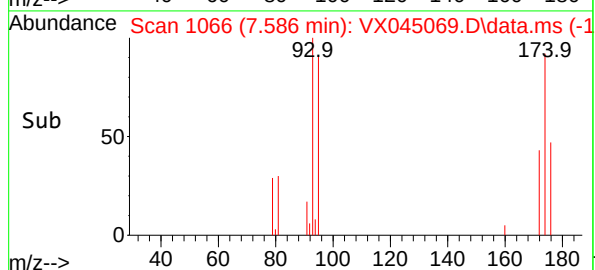
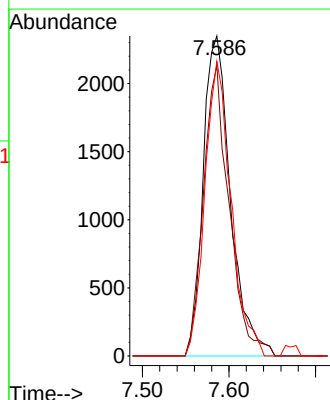
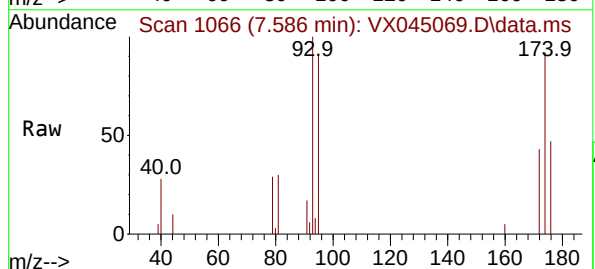
Tgt Ion: 93 Resp: 5146

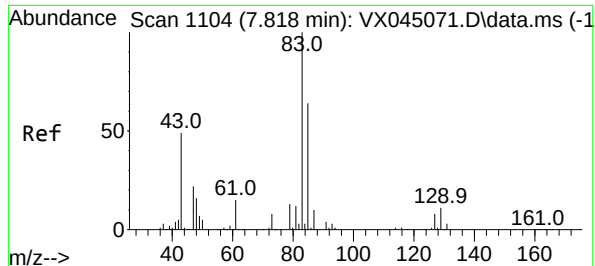
Ion Ratio Lower Upper

93 100

95 86.2 65.8 98.8

174 88.2 72.2 108.2





#47

Bromodichloromethane

Concen: 5.100 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

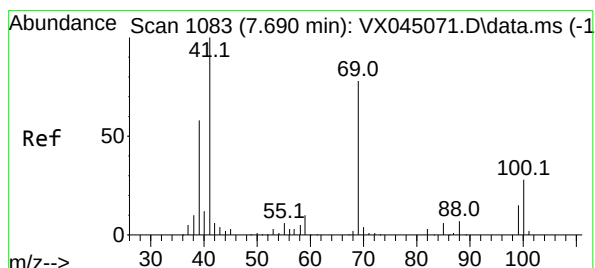
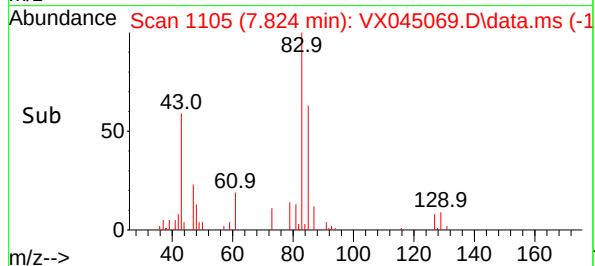
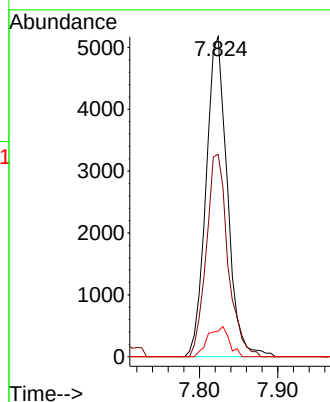
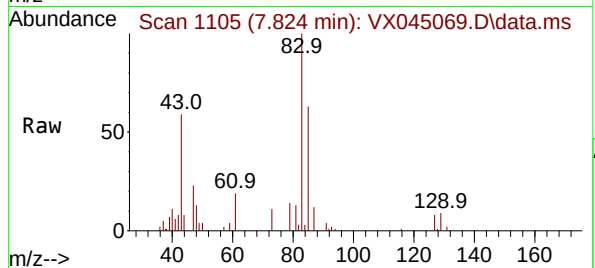
Tgt Ion:	83	Resp:	977
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.1	76.7
127	8.0	6.4	9.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#48

Methyl methacrylate

Concen: 5.224 ug/l

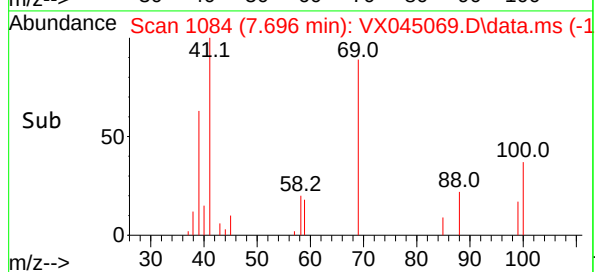
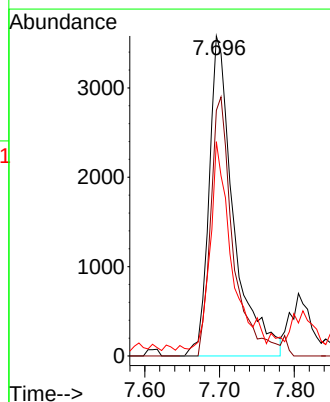
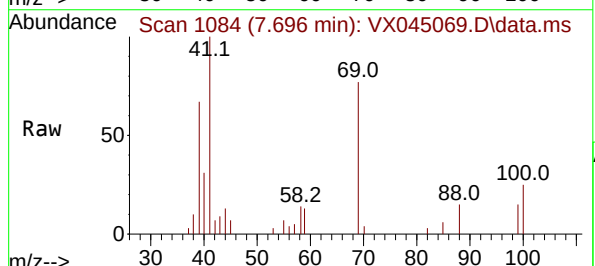
RT: 7.696 min Scan# 1084

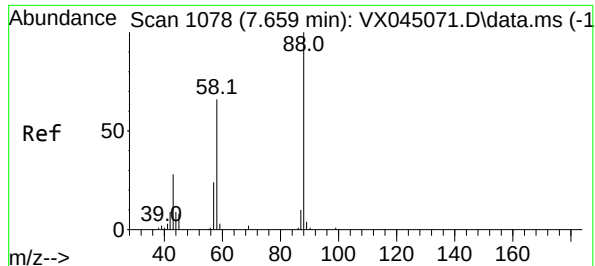
Delta R.T. 0.006 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Tgt Ion:	41	Resp:	8201
Ion	Ratio	Lower	Upper
41	100		
69	74.0	63.0	94.6
39	55.4	47.5	71.3





#49

1,4-Dioxane

Concen: 105.826 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 88 Resp: 353

Ion Ratio Lower Upper

88 100

43 35.2 28.7 43.1

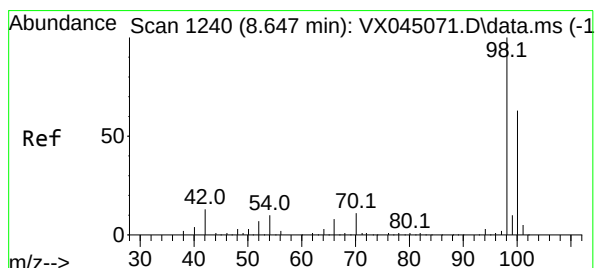
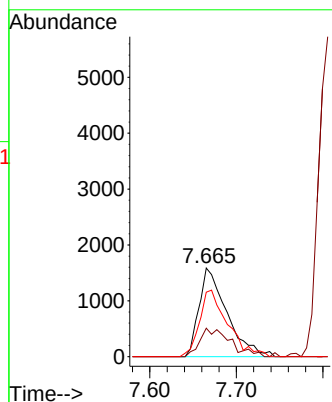
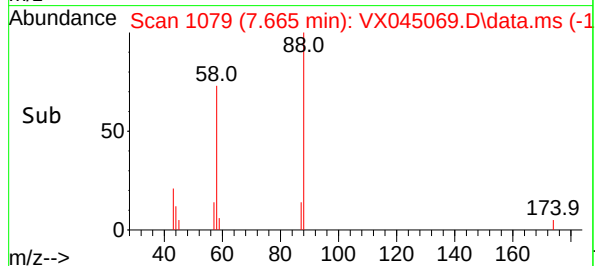
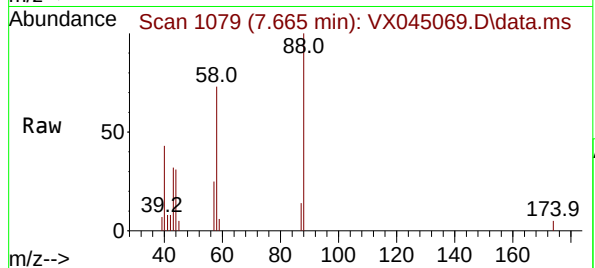
58 75.9 55.8 83.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#50

Toluene-d8

Concen: 5.057 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045069.D

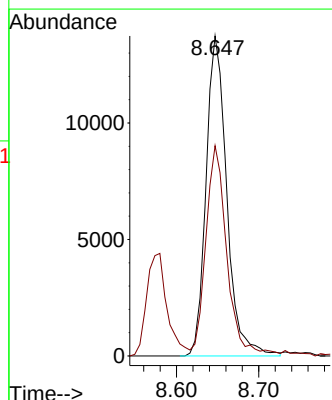
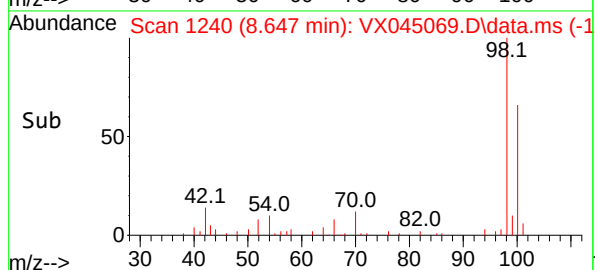
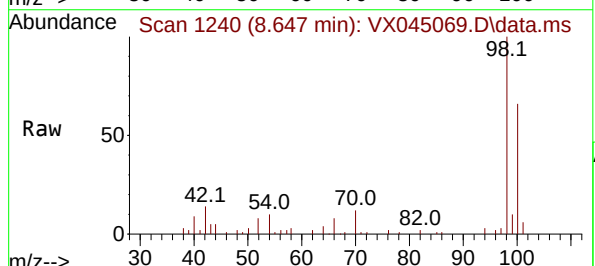
Acq: 28 Feb 2025 02:13

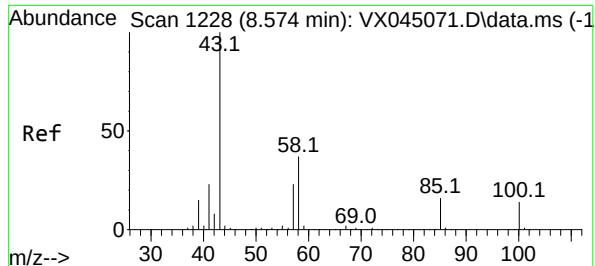
Tgt Ion: 98 Resp: 24037

Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 27.303 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX045069.D

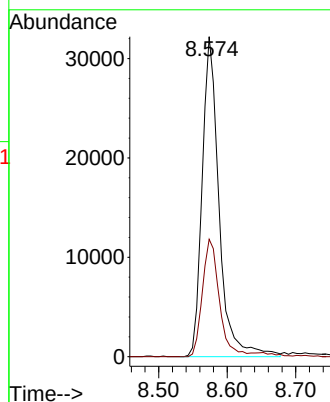
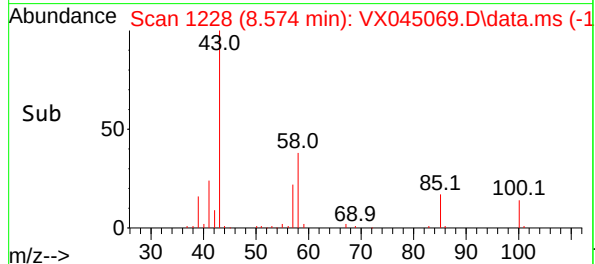
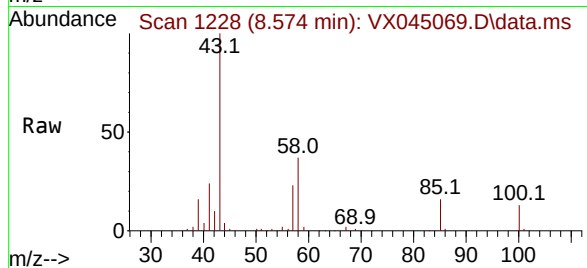
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 55320

Ion Ratio Lower Upper

43 100

58 36.8 29.2 43.8



Instrument :

MSVOA_X

ClientSampleId :

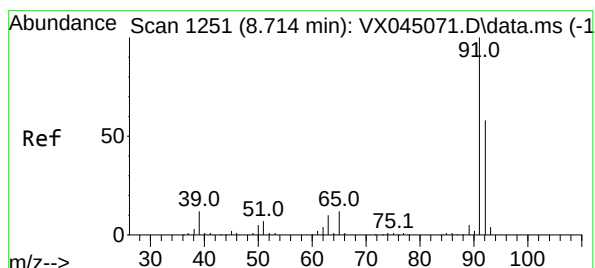
VSTDIC005

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#52

Toluene

Concen: 4.997 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX045069.D

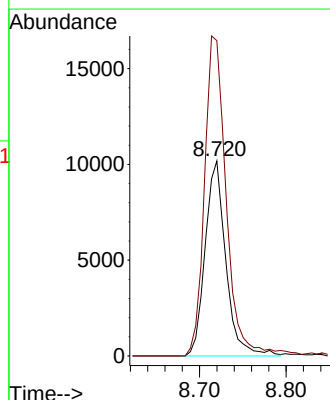
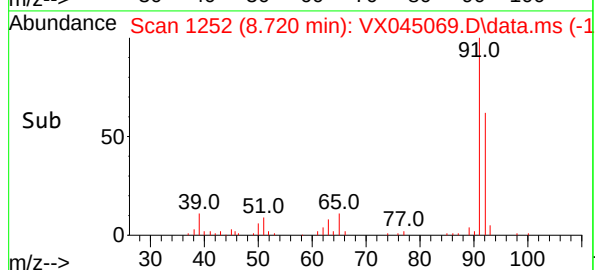
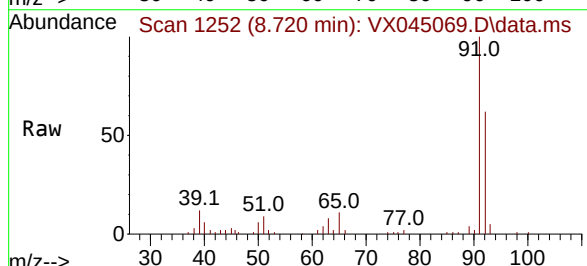
Acq: 28 Feb 2025 02:13

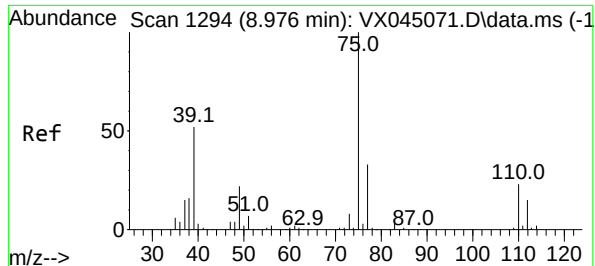
Tgt Ion: 92 Resp: 16933

Ion Ratio Lower Upper

92 100

91 172.6 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 3.985 ug/l

RT: 8.982 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 7548

Ion Ratio Lower Upper

75 100

77 29.6 26.5 39.7

Instrument :

MSVOA_X

ClientSampleId :

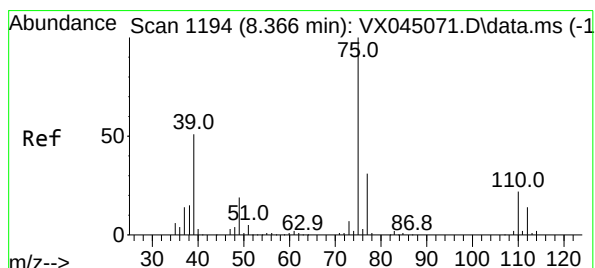
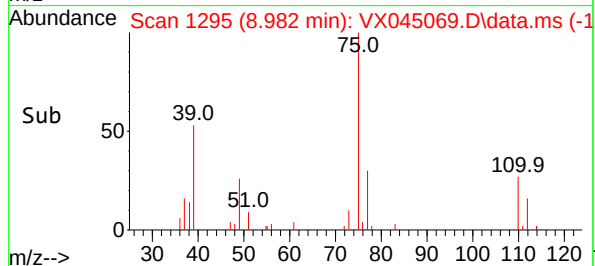
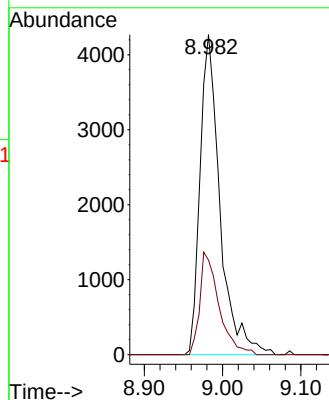
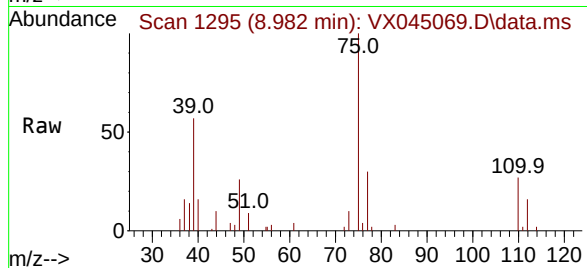
VSTDIC005

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#54

cis-1,3-Dichloropropene

Concen: 4.244 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

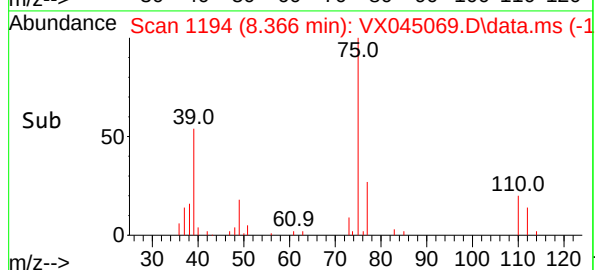
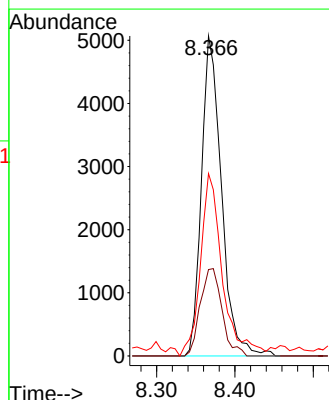
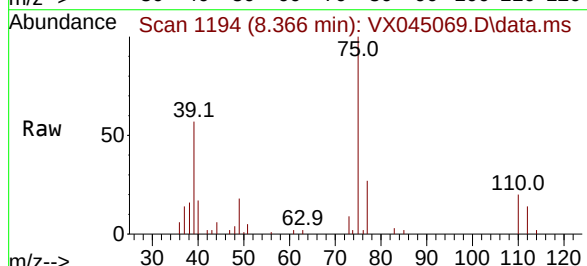
Tgt Ion: 75 Resp: 8988

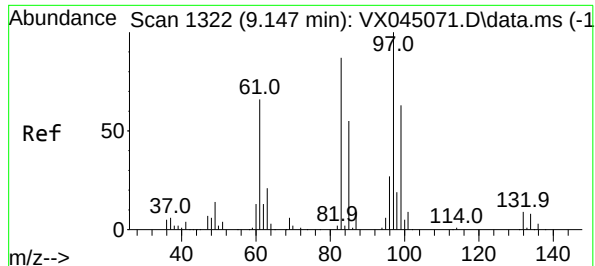
Ion Ratio Lower Upper

75 100

77 27.0 24.7 37.1

39 57.0 40.7 61.1





#55

1,1,2-Trichloroethane

Concen: 5.151 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.006 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 6759

Ion Ratio Lower Upper

97 100

83 83.7 69.4 104.2

85 53.6 44.1 66.1

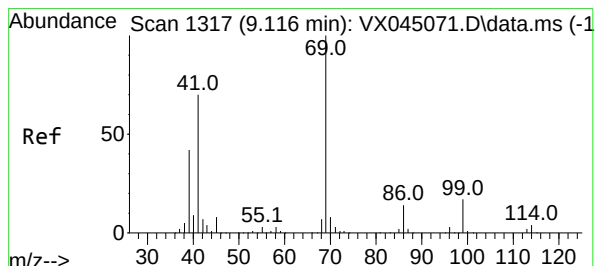
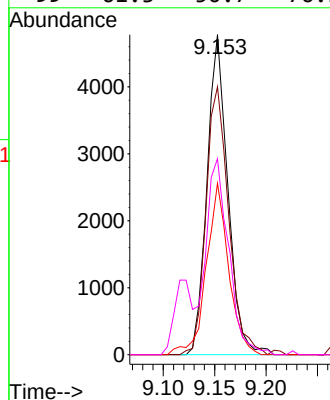
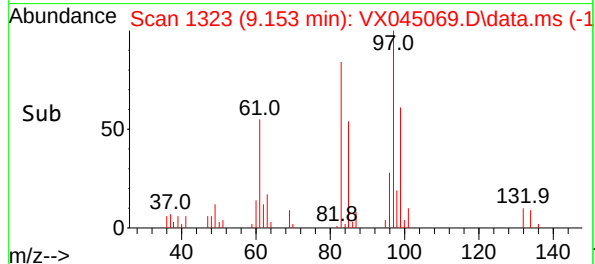
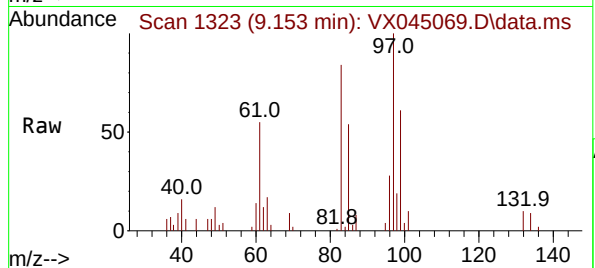
99 61.3 50.7 76.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#56

Ethyl methacrylate

Concen: 4.628 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

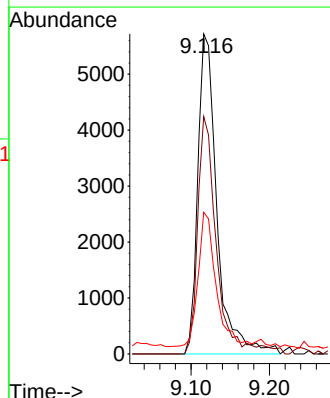
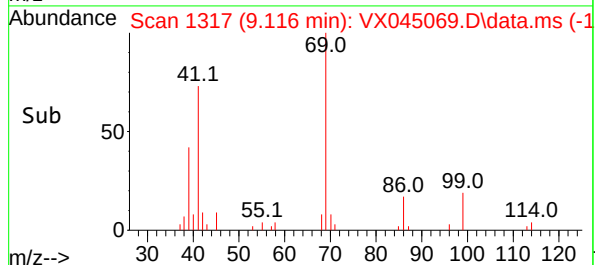
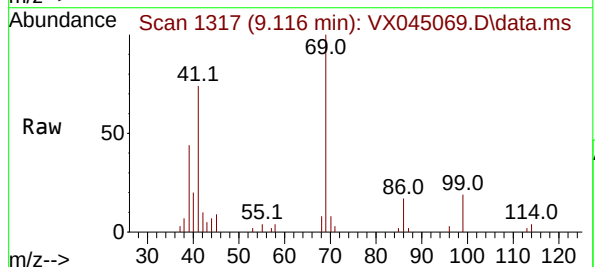
Tgt Ion: 69 Resp: 9712

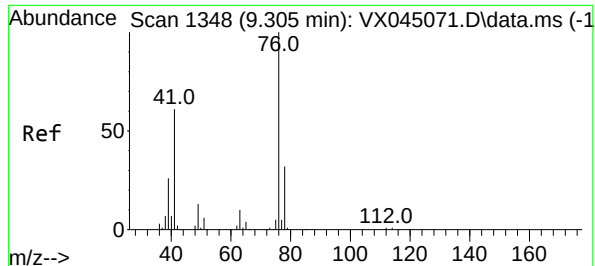
Ion Ratio Lower Upper

69 100

41 71.0 57.0 85.4

39 39.2 34.2 51.4





#57

1,3-Dichloropropane

Concen: 5.289 ug/l

RT: 9.305 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 12100

Ion Ratio Lower Upper

76 100

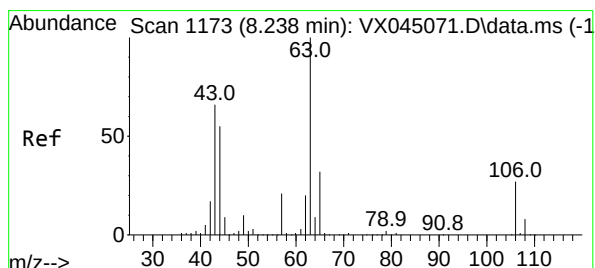
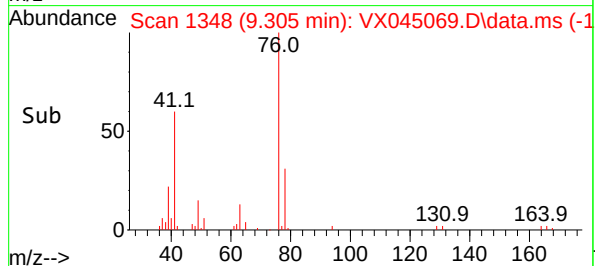
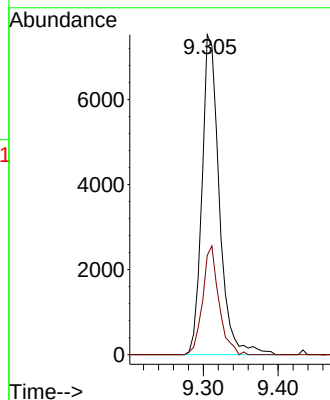
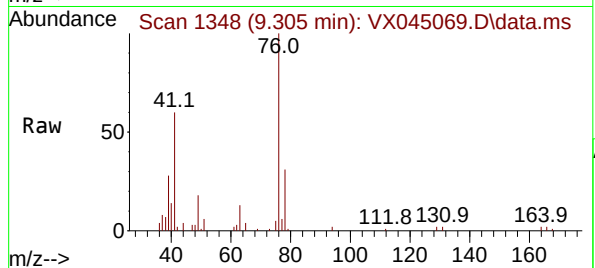
78 31.9 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#58

2-Chloroethyl Vinyl ether

Concen: 22.527 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX045069.D

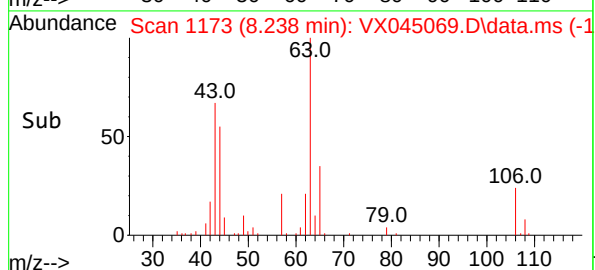
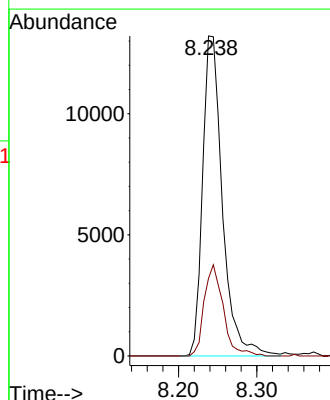
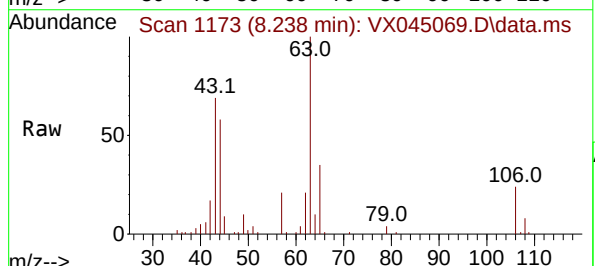
Acq: 28 Feb 2025 02:13

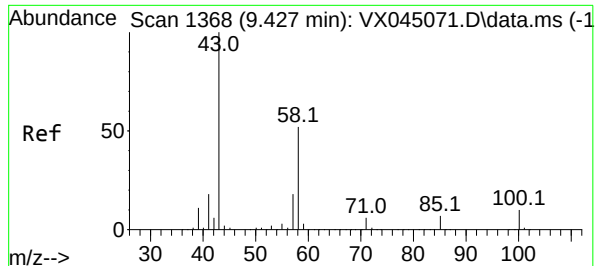
Tgt Ion: 63 Resp: 23212

Ion Ratio Lower Upper

63 100

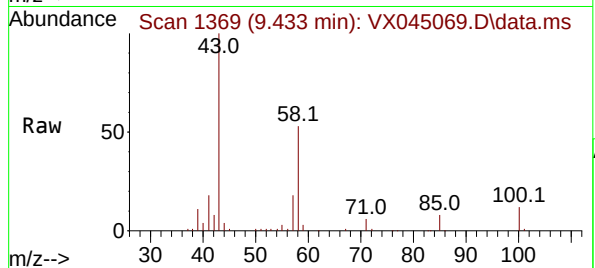
106 27.4 21.5 32.3





#59
2-Hexanone
Concen: 27.363 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

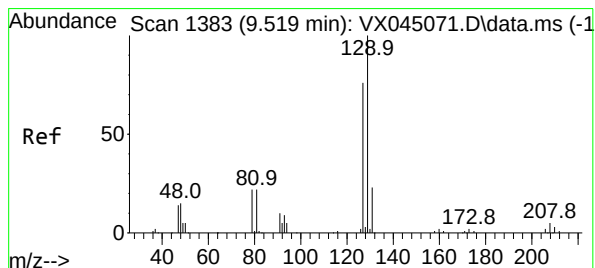
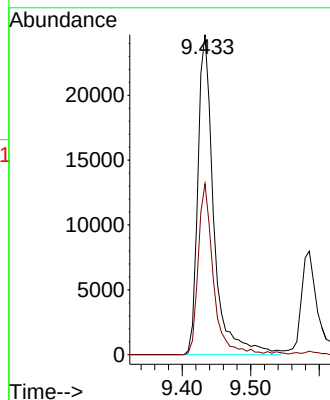
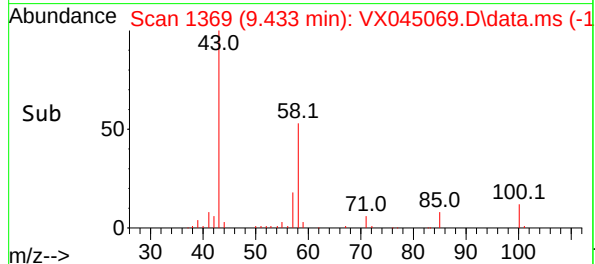
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 43 Resp: 3994
Ion Ratio Lower Upper
43 100
58 50.7 25.9 77.6

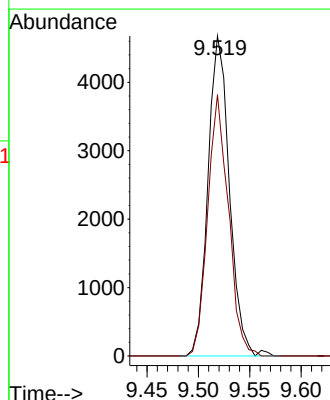
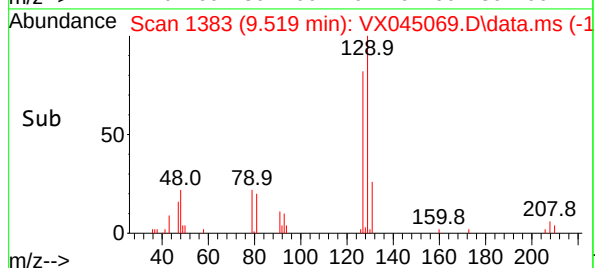
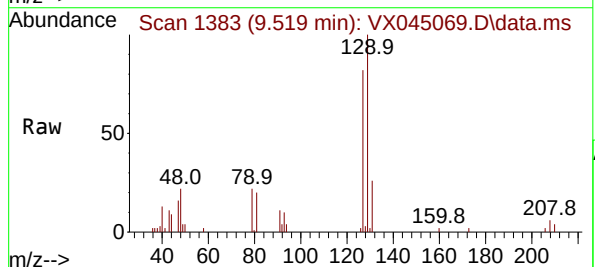
Manual Integrations
APPROVED

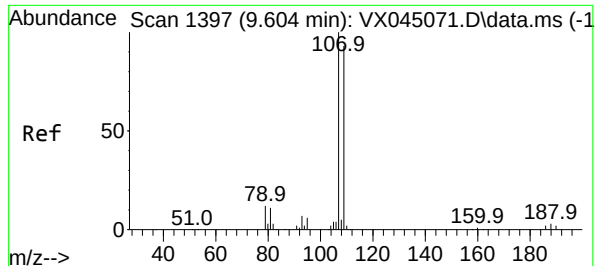
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#60
Dibromochloromethane
Concen: 4.846 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:129 Resp: 6785
Ion Ratio Lower Upper
129 100
127 79.0 38.5 115.5





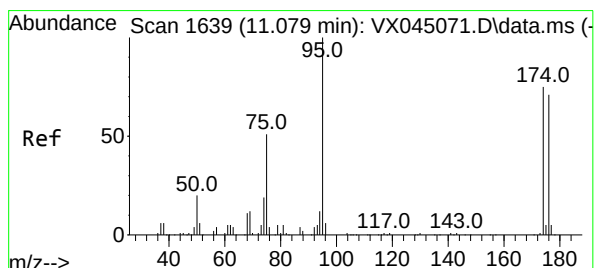
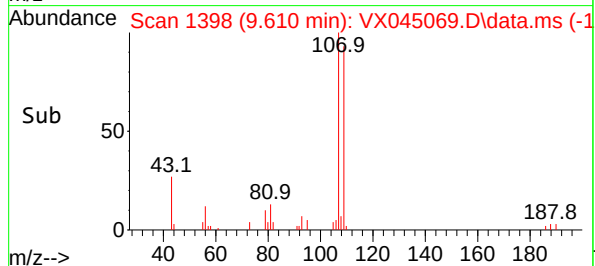
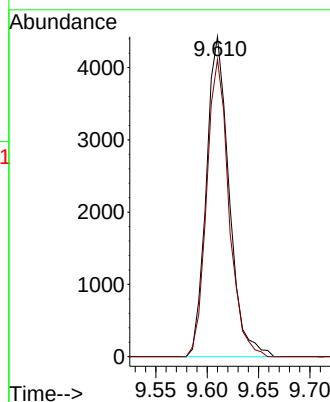
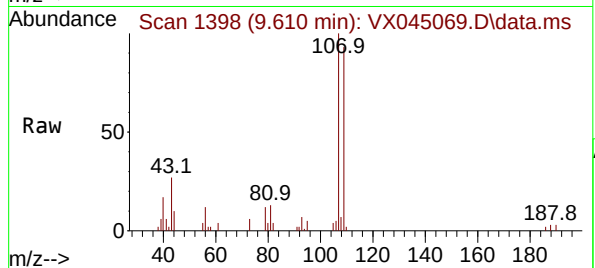
#61
1,2-Dibromoethane
Concen: 5.161 ug/l
RT: 9.610 min Scan# 1397
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:107 Resp: 683
Ion Ratio Lower Upper
107 100
109 90.7 76.1 114.1

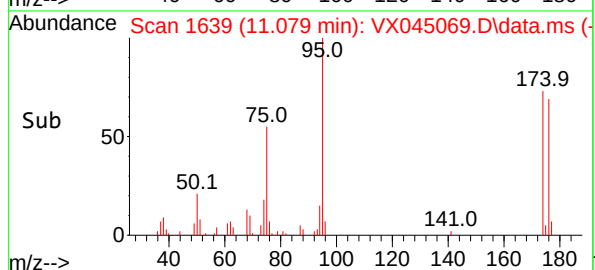
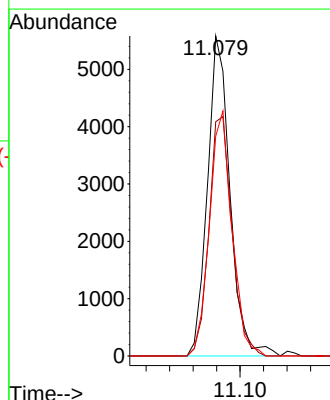
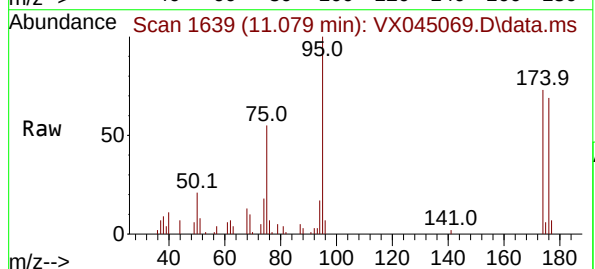
Manual Integrations
APPROVED

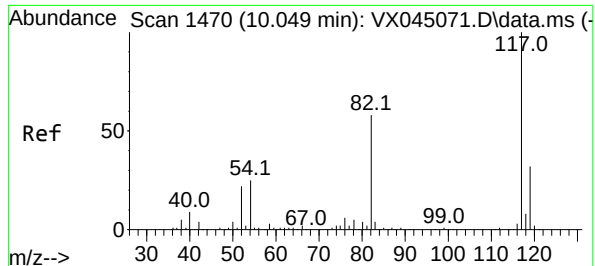
Reviewed By :John Carbone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#62
4-Bromofluorobenzene
Concen: 4.685 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

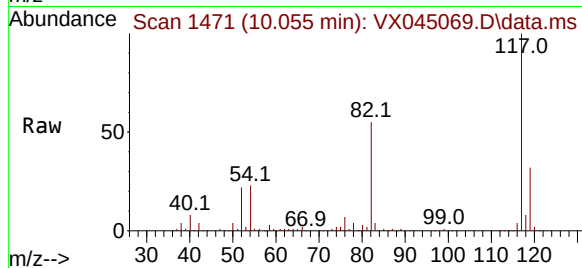
Tgt Ion: 95 Resp: 7436
Ion Ratio Lower Upper
95 100
174 76.5 0.0 148.2
176 76.3 0.0 141.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

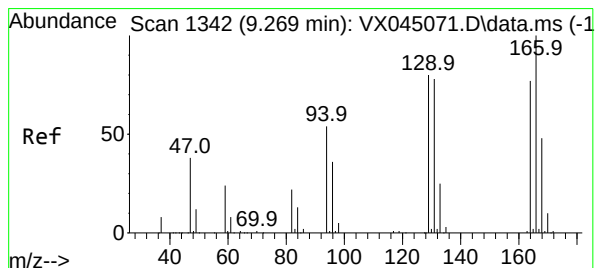
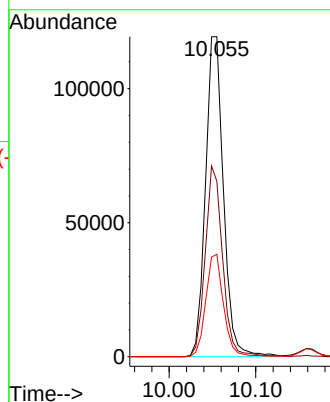
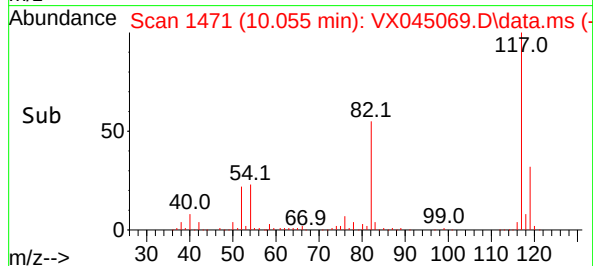
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion:117 Resp: 17236
Ion Ratio Lower Upper
117 100
82 54.8 46.3 69.5
119 32.0 25.7 38.5

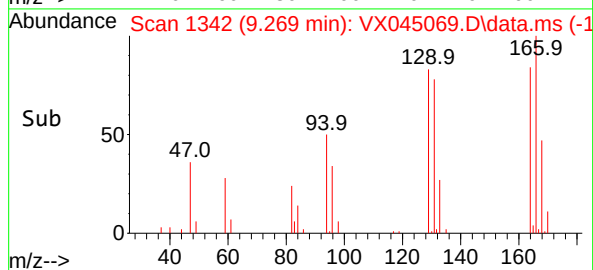
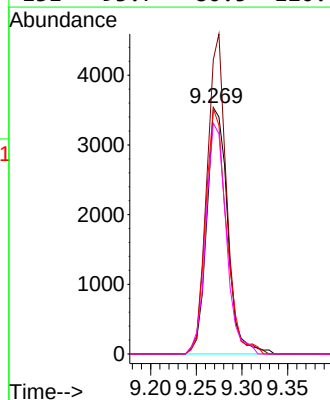
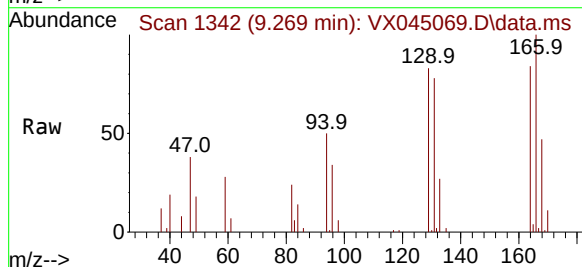
Manual Integrations
APPROVED

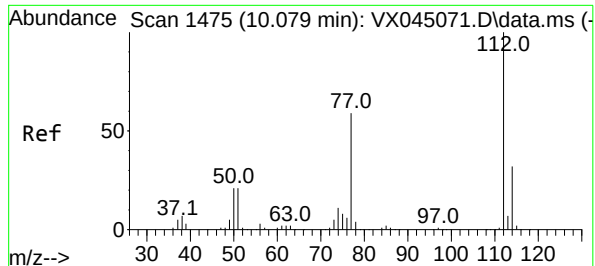
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#64
Tetrachloroethene
Concen: 5.128 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:164 Resp: 5615
Ion Ratio Lower Upper
164 100
166 119.5 103.6 155.4
129 99.7 82.7 124.1
131 93.7 80.5 120.7





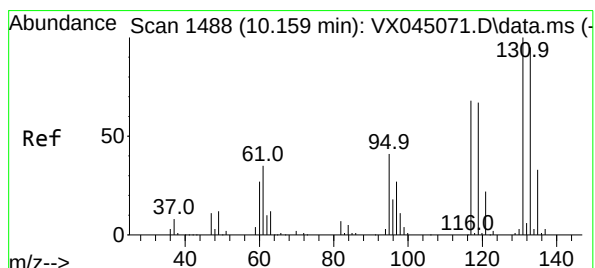
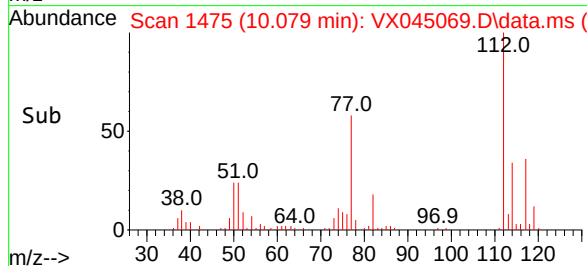
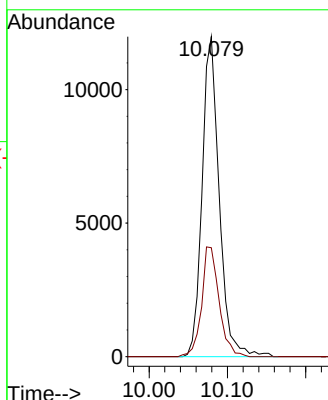
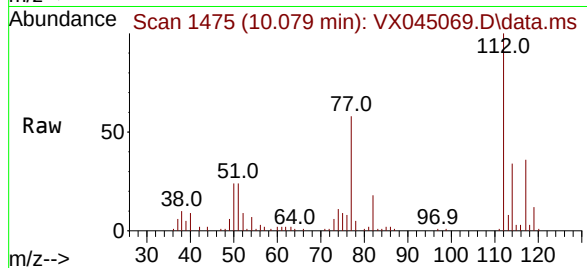
#65
Chlorobenzene
Concen: 4.908 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:112 Resp: 1816
Ion Ratio Lower Upper
112 100
114 34.0 26.0 39.0

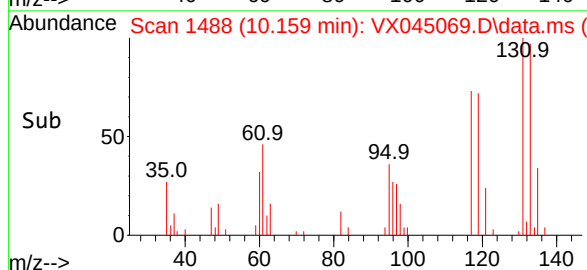
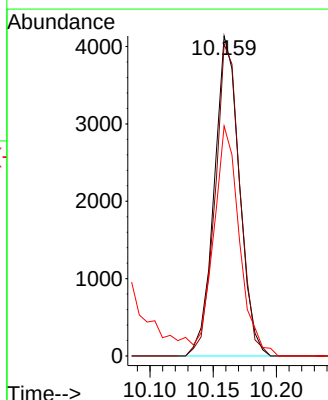
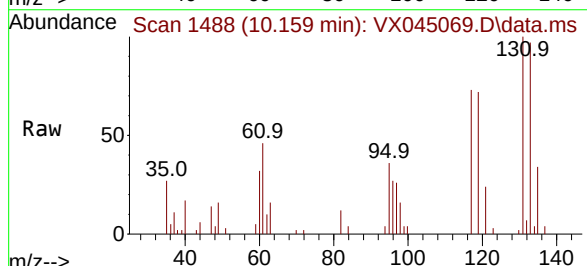
Manual Integrations
APPROVED

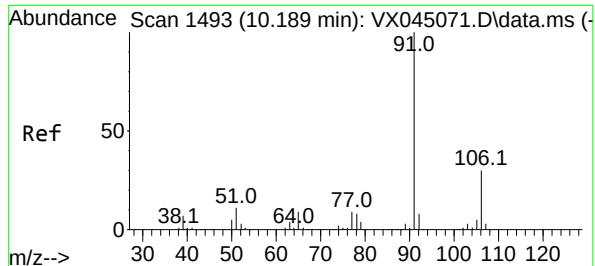
Reviewed By :John Carbone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 4.781 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:131 Resp: 5702
Ion Ratio Lower Upper
131 100
133 96.1 48.6 145.9
119 73.4 33.9 101.7





#67

Ethyl Benzene

Concen: 4.725 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 30918

Ion Ratio Lower Upper

91 100

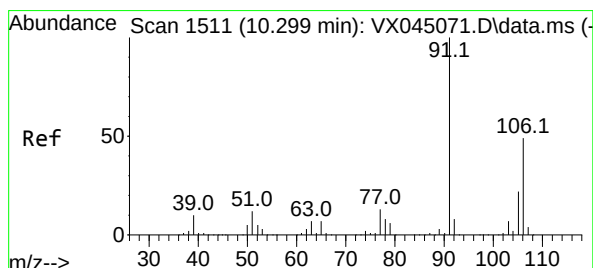
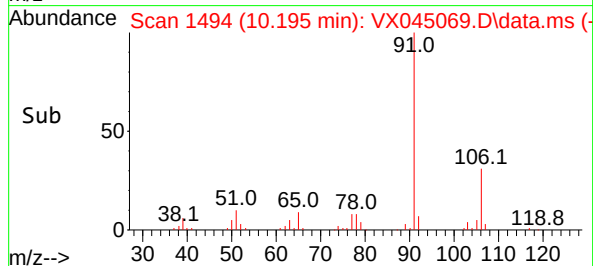
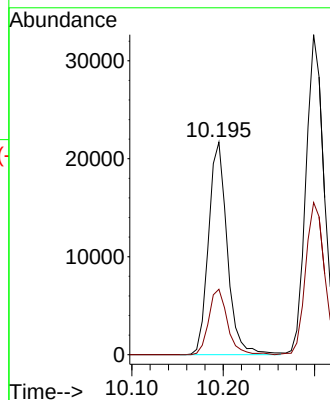
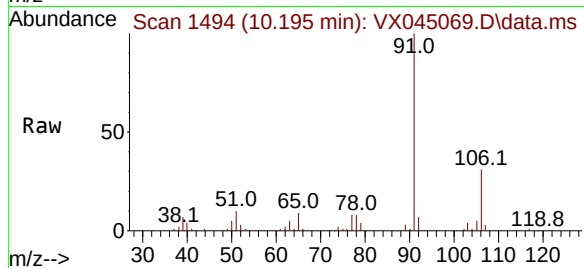
106 30.8 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#68

m/p-Xylenes

Concen: 9.608 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX045069.D

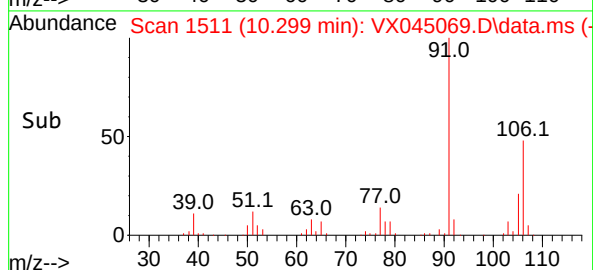
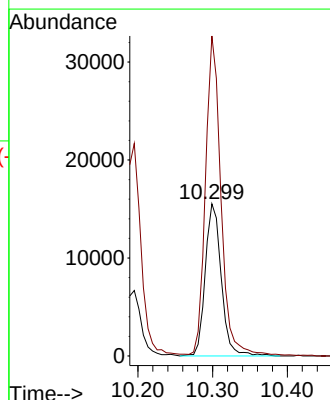
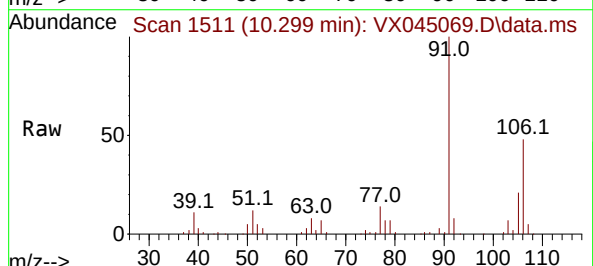
Acq: 28 Feb 2025 02:13

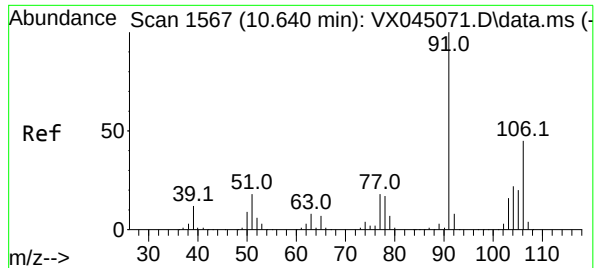
Tgt Ion:106 Resp: 23152

Ion Ratio Lower Upper

106 100

91 202.7 165.4 248.0





#69

o-Xylene

Concen: 4.914 ug/l

RT: 10.640 min Scan# 1188

Delta R.T. -0.000 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 1188

Ion Ratio Lower Upper

106 100

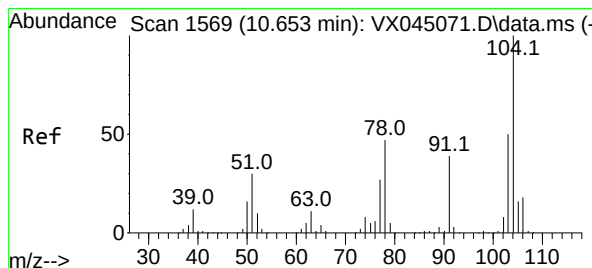
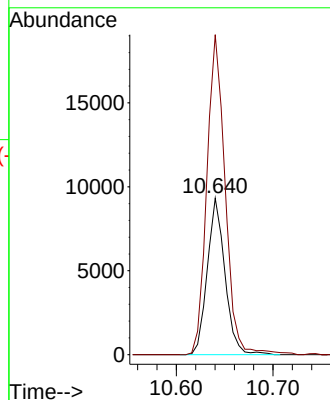
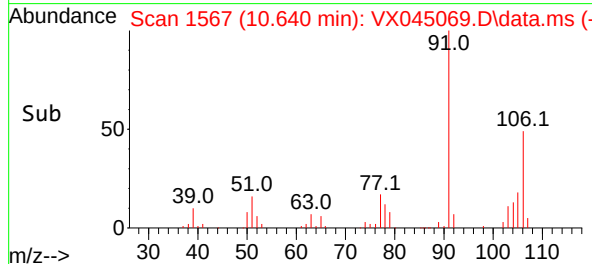
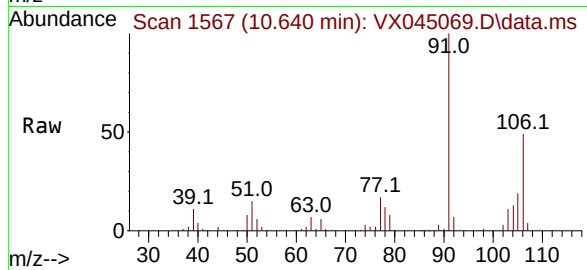
91 211.7 109.9 329.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#70

Styrene

Concen: 4.704 ug/l

RT: 10.659 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

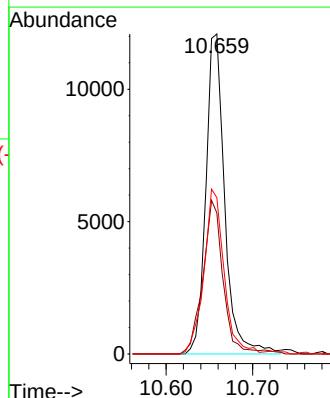
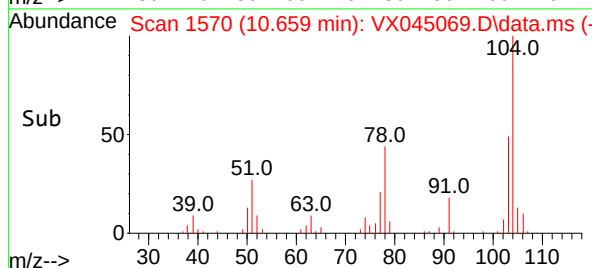
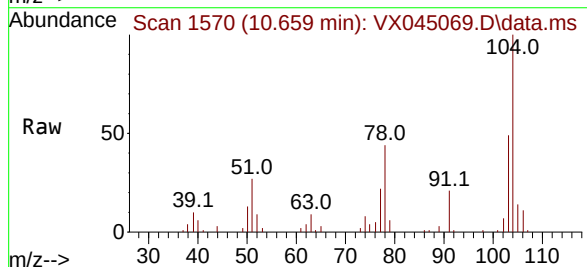
Tgt Ion:104 Resp: 18278

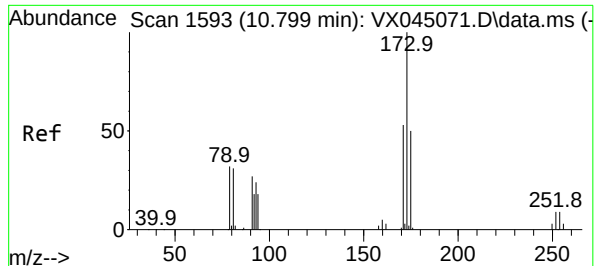
Ion Ratio Lower Upper

104 100

78 51.7 42.2 63.4

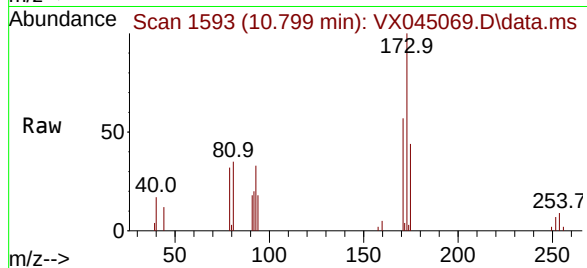
103 55.3 43.8 65.8





#71
Bromoform
Concen: 4.541 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

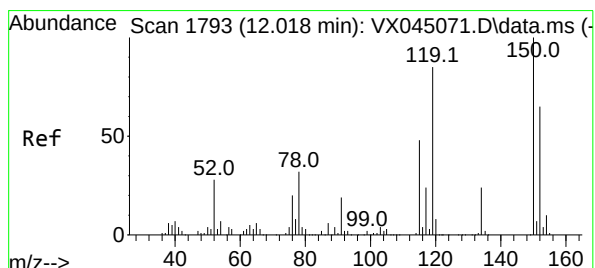
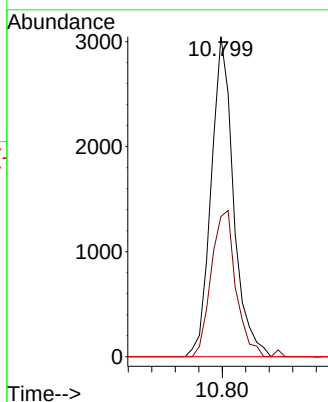
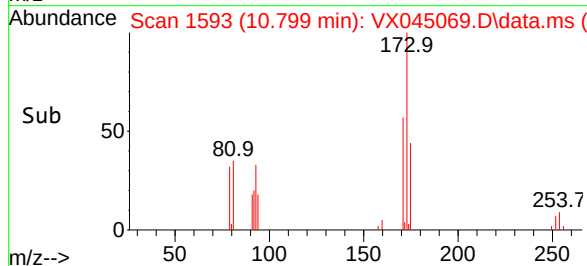
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion:173 Resp: 402
Ion Ratio Lower Upper
173 100
175 50.1 24.6 73.6
254 0.0 0.0 0.0

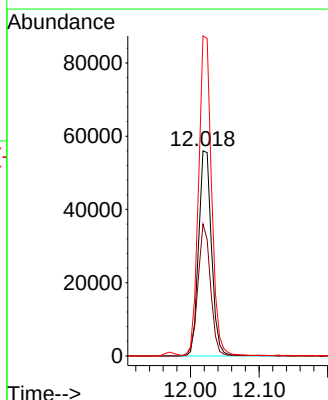
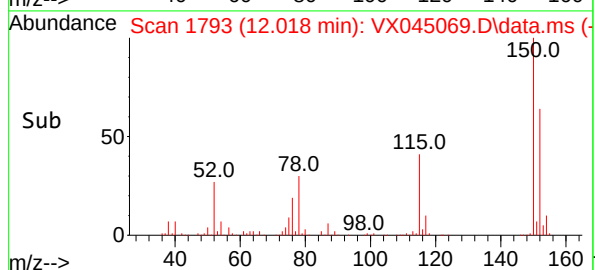
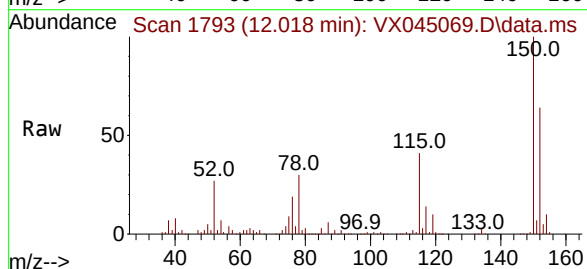
Manual Integrations
APPROVED

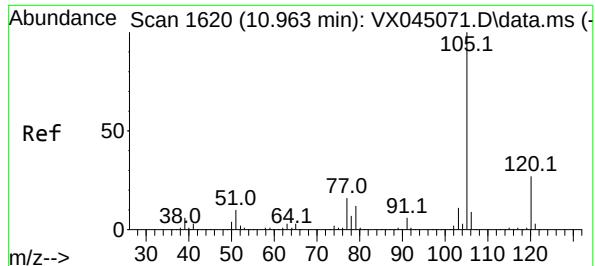
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

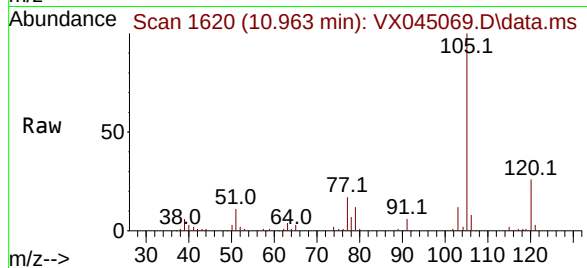
Tgt Ion:152 Resp: 73591
Ion Ratio Lower Upper
152 100
115 62.6 44.2 132.6
150 156.2 0.0 349.0





#73
Isopropylbenzene
Concen: 4.991 ug/l
RT: 10.963 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

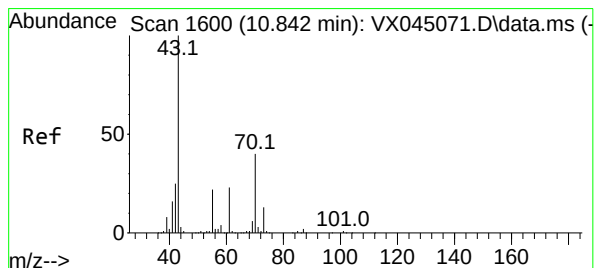
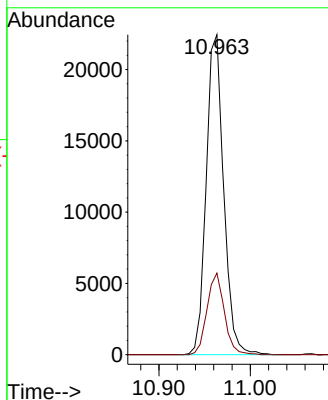
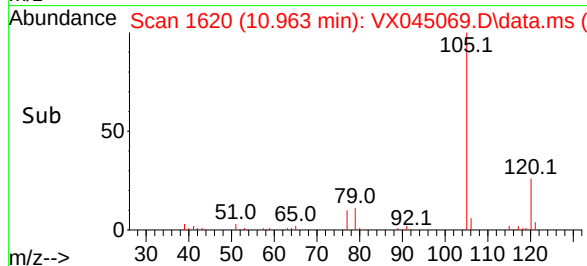
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion:105 Resp: 2968
Ion Ratio Lower Upper
105 100
120 25.3 13.2 39.5

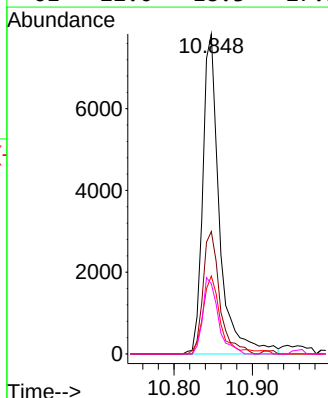
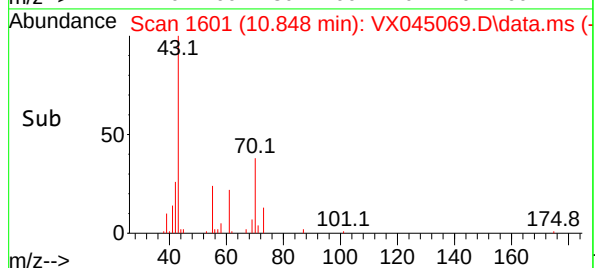
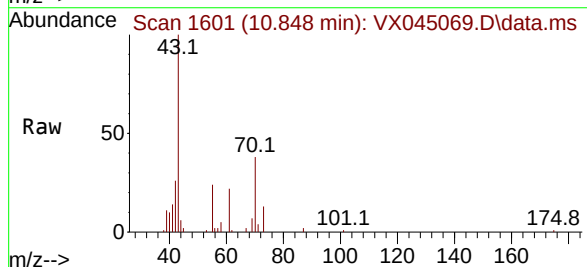
Manual Integrations
APPROVED

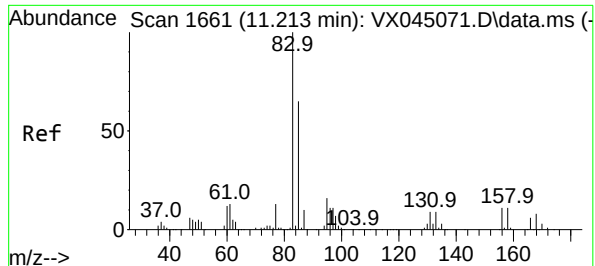
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#74
N-ethyl acetate
Concen: 4.300 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 11609
Ion Ratio Lower Upper
43 100
70 38.1 31.8 47.6
55 25.9 18.3 27.5
61 22.0 18.3 27.5





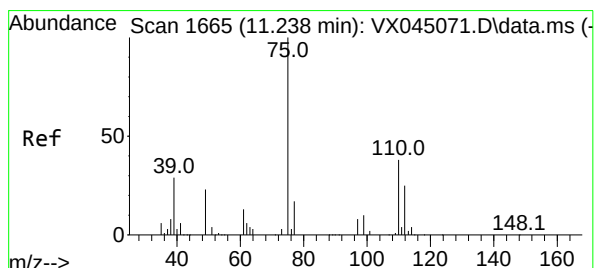
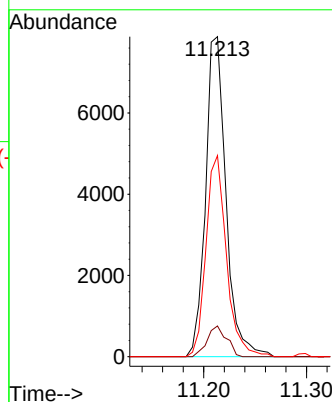
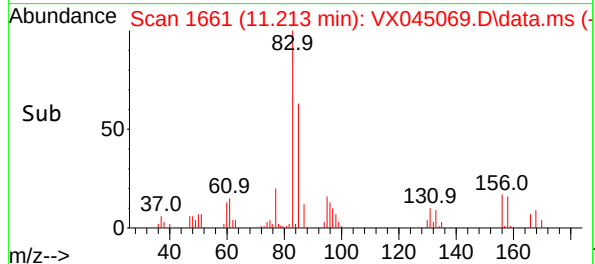
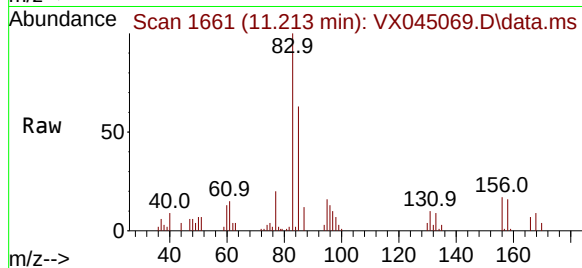
#75
1,1,2,2-Tetrachloroethane
Concen: 5.310 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 1088
Ion Ratio Lower Upper
83 100
131 9.2 4.5 13.4
85 63.1 31.7 95.1

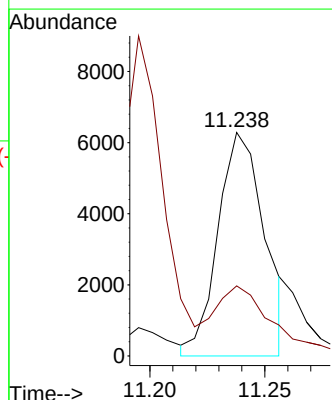
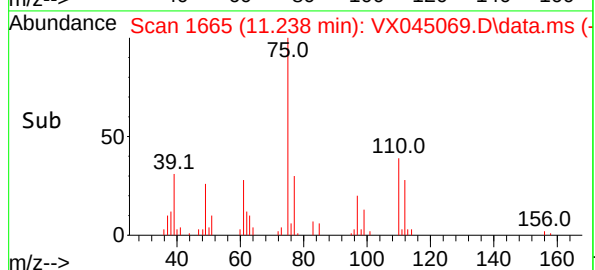
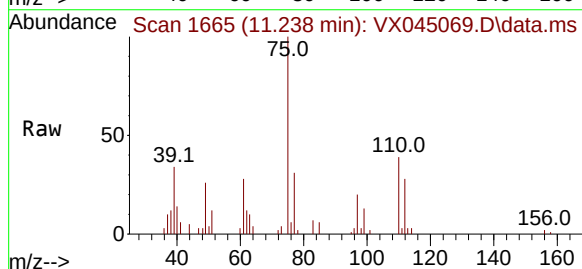
Manual Integrations
APPROVED

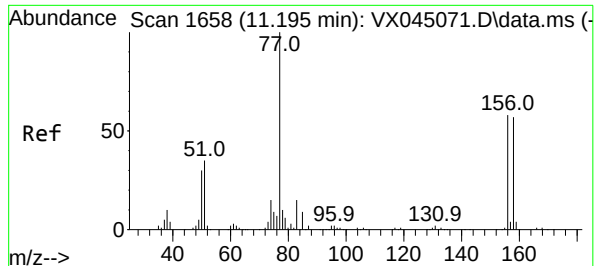
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#76
1,2,3-Trichloropropane
Concen: 5.384 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

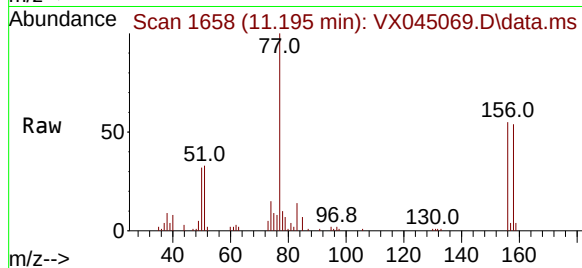
Tgt Ion: 75 Resp: 8839
Ion Ratio Lower Upper
75 100
77 39.8 20.7 62.1





#77
Bromobenzene
Concen: 5.163 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

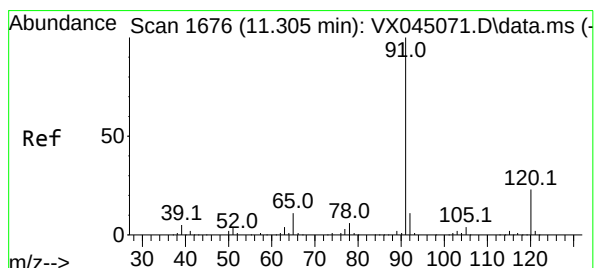
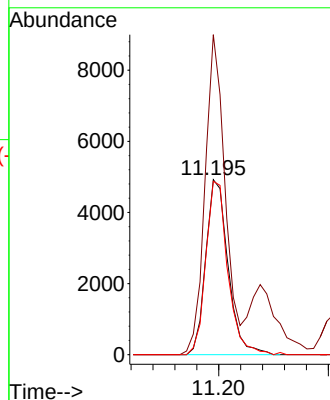
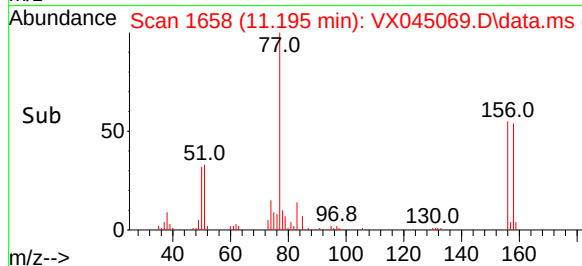
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion:156 Resp: 6970
Ion Ratio Lower Upper
156 100
77 163.3 85.8 257.4
158 97.8 48.4 145.2

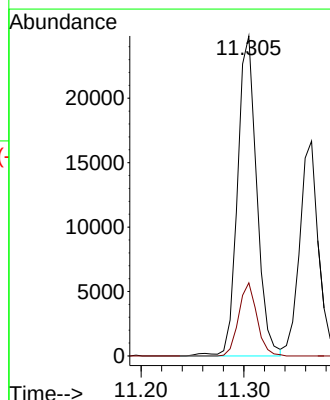
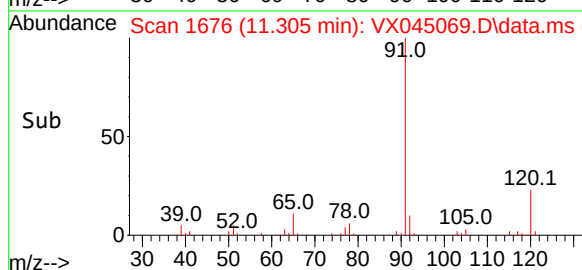
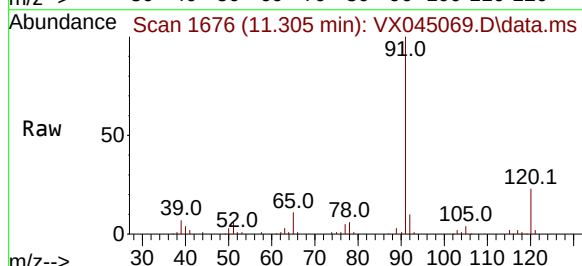
Manual Integrations
APPROVED

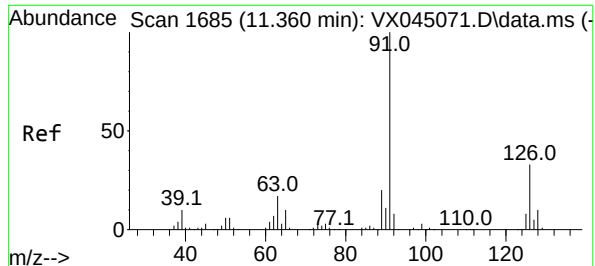
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#78
n-propylbenzene
Concen: 4.694 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 32196
Ion Ratio Lower Upper
91 100
120 21.7 11.2 33.6





#79

2-Chlorotoluene

Concen: 5.048 ug/l

RT: 11.366 min Scan# 1685

Delta R.T. 0.006 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 2125

Ion Ratio Lower Upper

91 100

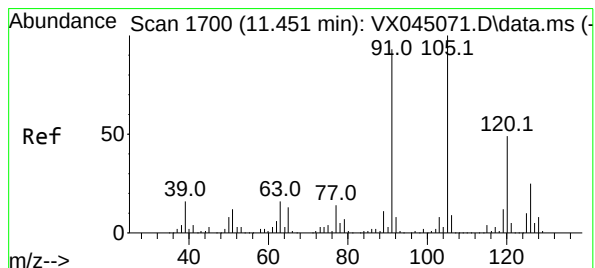
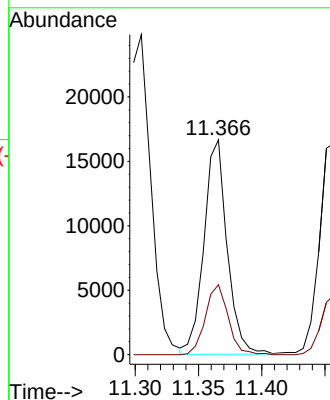
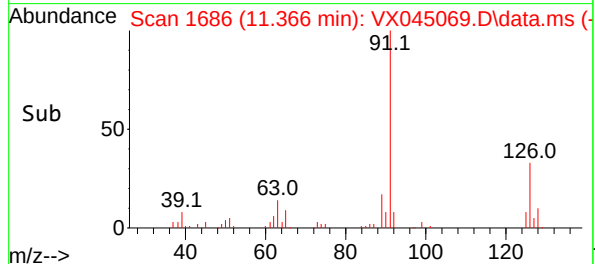
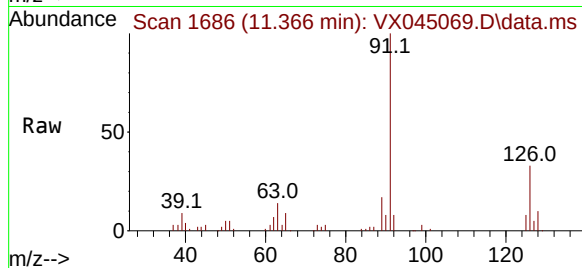
126 32.0 16.4 49.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#80

1,3,5-Trimethylbenzene

Concen: 4.897 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX045069.D

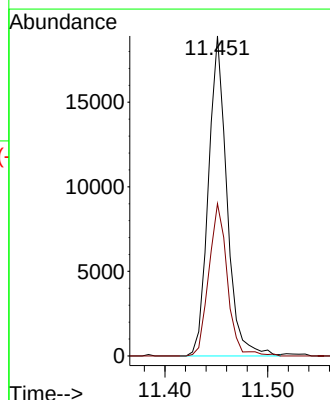
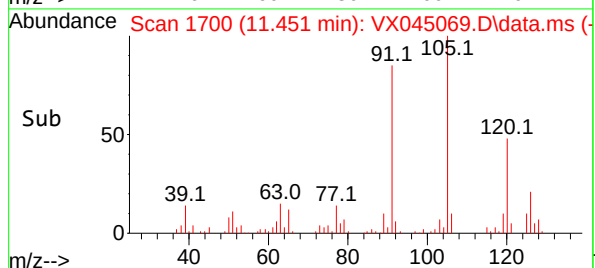
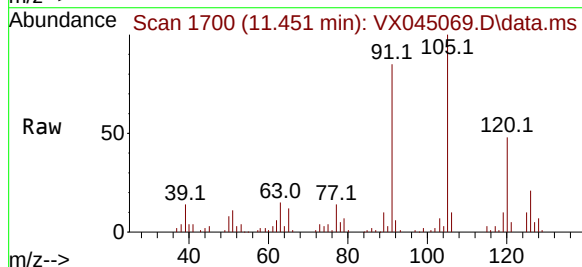
Acq: 28 Feb 2025 02:13

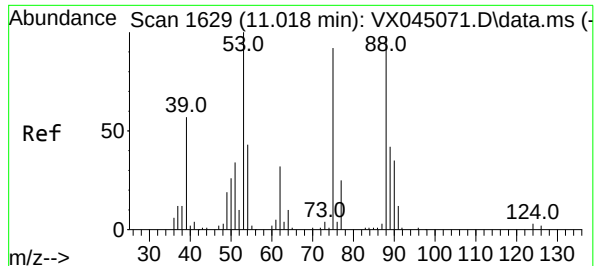
Tgt Ion:105 Resp: 23627

Ion Ratio Lower Upper

105 100

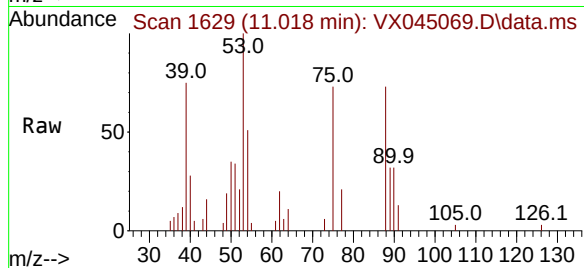
120 47.6 24.1 72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 3.256 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

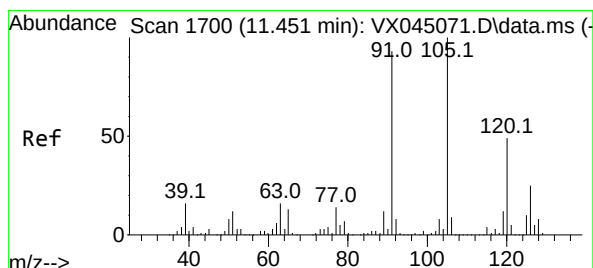
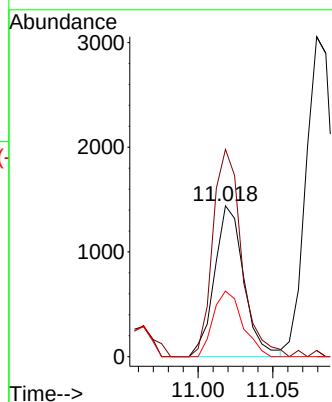
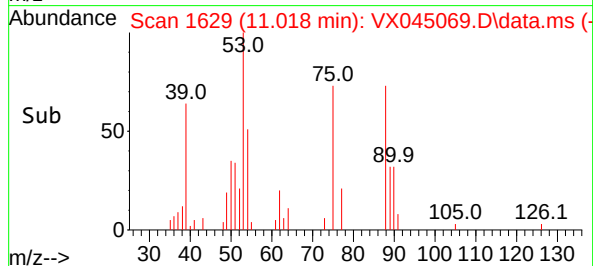
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion: 75 Resp: 197
Ion Ratio Lower Upper
75 100
53 134.1 88.5 132.7
89 43.4 36.2 54.4

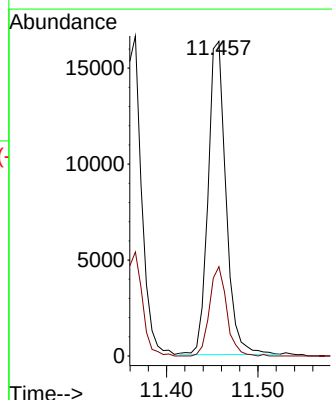
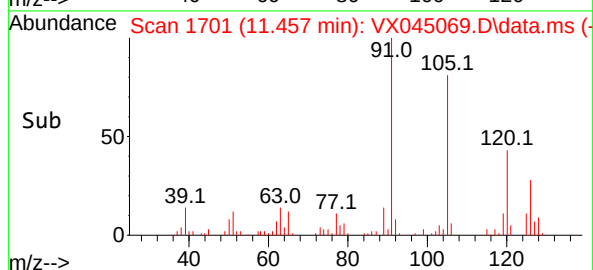
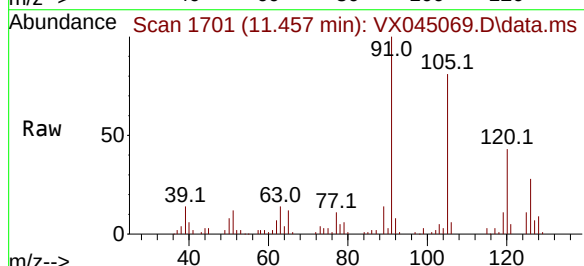
Manual Integrations
APPROVED

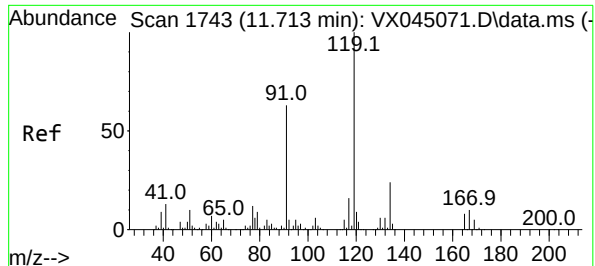
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#82
4-Chlorotoluene
Concen: 4.761 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 22190
Ion Ratio Lower Upper
91 100
126 27.3 14.1 42.4





#83

tert-Butylbenzene

Concen: 4.910 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:119 Resp: 23960

Ion Ratio Lower Upper

119 100

91 59.5 30.7 92.1

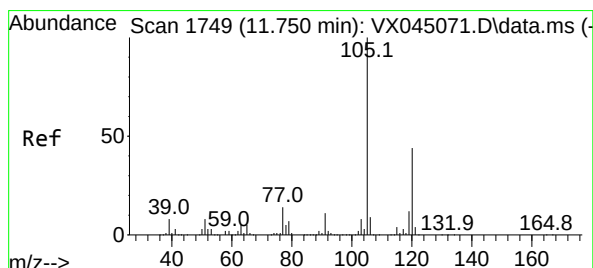
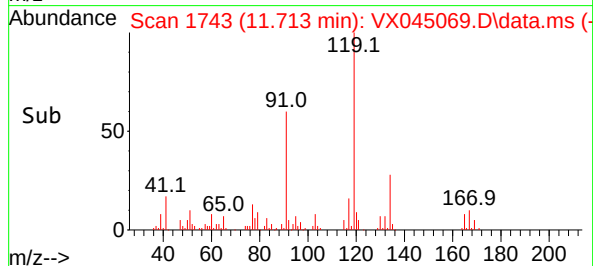
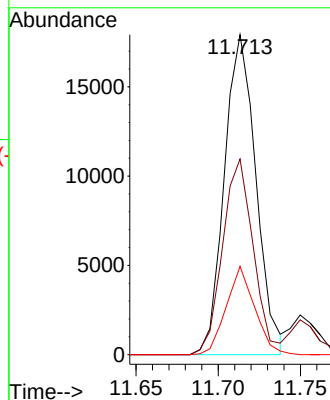
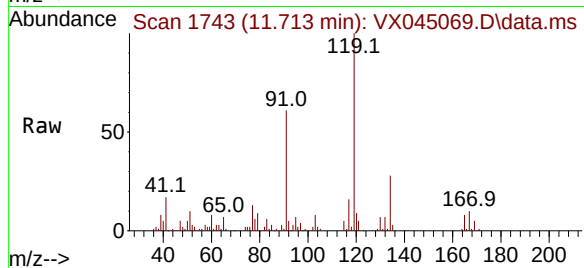
134 24.9 11.7 35.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#84

1,2,4-Trimethylbenzene

Concen: 4.960 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX045069.D

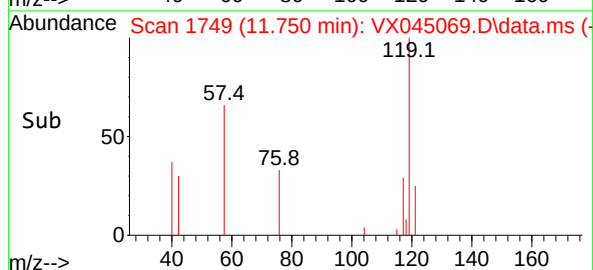
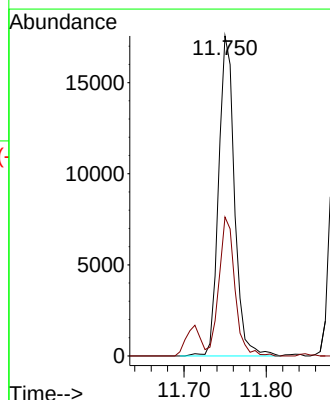
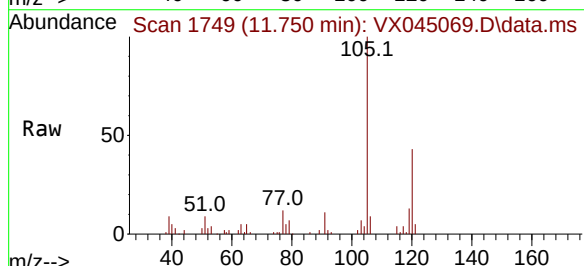
Acq: 28 Feb 2025 02:13

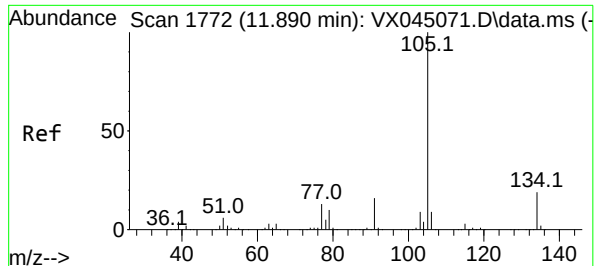
Tgt Ion:105 Resp: 23561

Ion Ratio Lower Upper

105 100

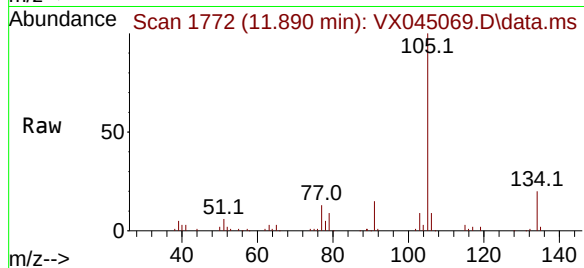
120 43.4 22.1 66.1





#85
sec-Butylbenzene
Concen: 4.687 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

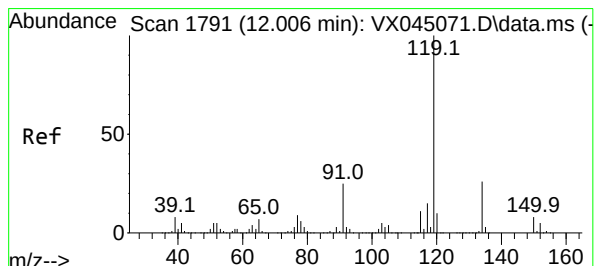
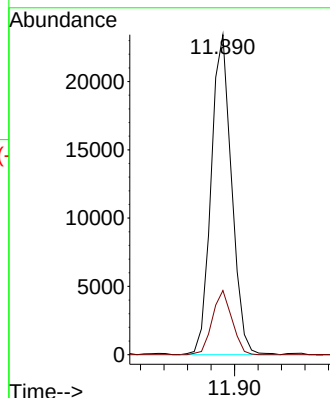
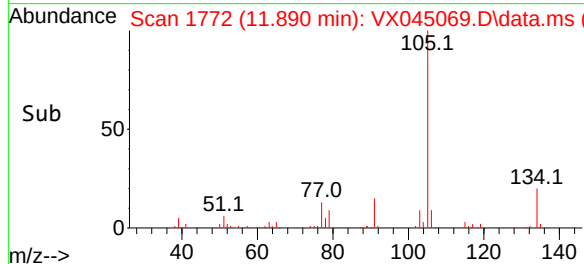
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion:105 Resp: 28314
Ion Ratio Lower Upper
105 100
134 19.3 9.8 29.4

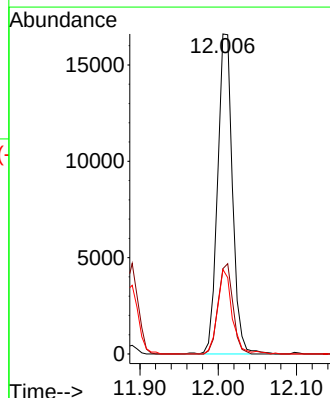
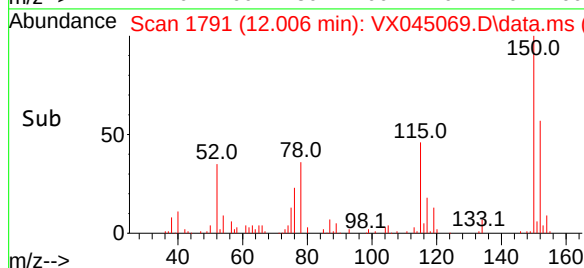
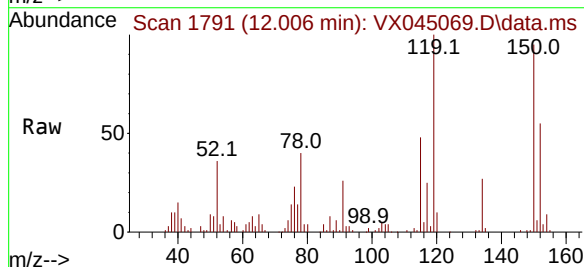
Manual Integrations
APPROVED

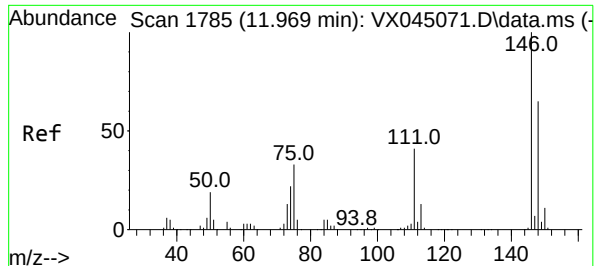
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#86
p-Isopropyltoluene
Concen: 4.532 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

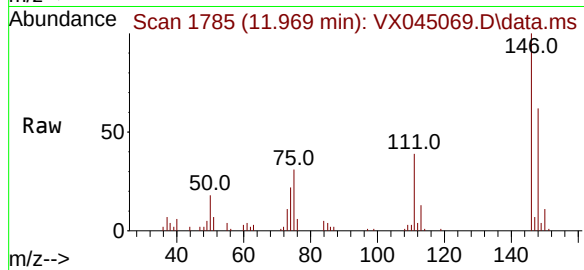
Tgt Ion:119 Resp: 21977
Ion Ratio Lower Upper
119 100
134 27.9 12.9 38.6
91 26.1 12.7 38.0





#87
1,3-Dichlorobenzene
Concen: 4.926 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

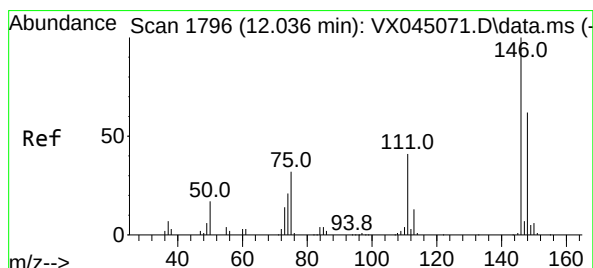
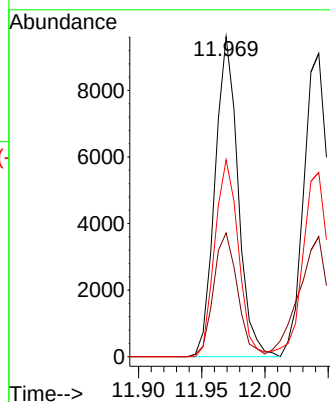
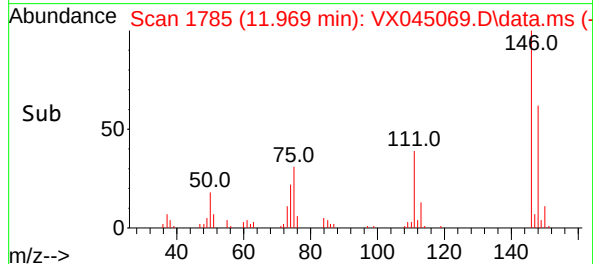
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion:146 Resp: 1215
Ion Ratio Lower Upper
146 100
111 40.5 21.1 63.4
148 62.9 31.9 95.7

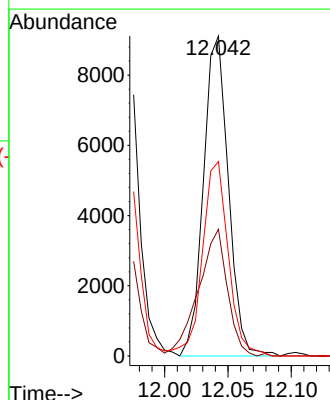
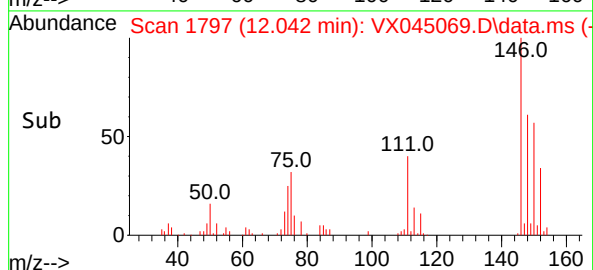
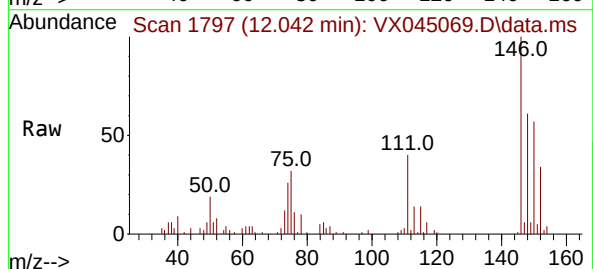
Manual Integrations
APPROVED

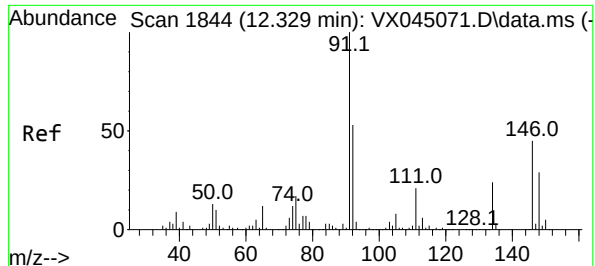
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#88
1,4-Dichlorobenzene
Concen: 5.014 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:146 Resp: 12526
Ion Ratio Lower Upper
146 100
111 46.2 20.2 60.5
148 63.5 31.9 95.9





#89

n-Butylbenzene

Concen: 4.072 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 1735

Ion Ratio Lower Upper

91 100

92 53.9 26.7 80.0

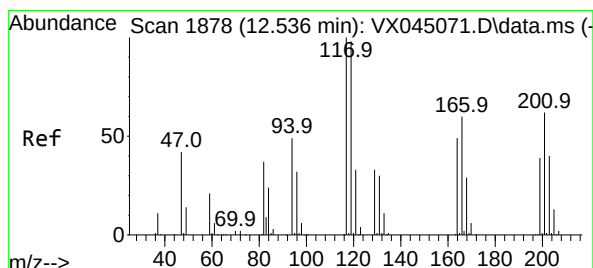
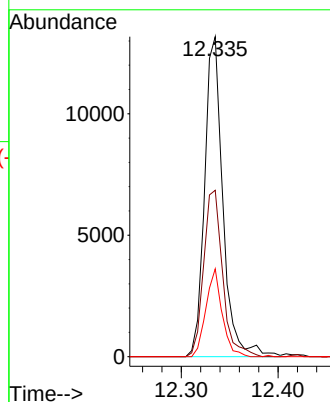
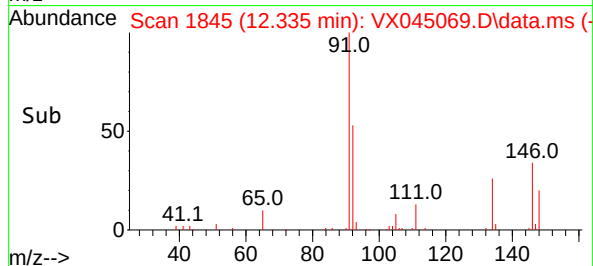
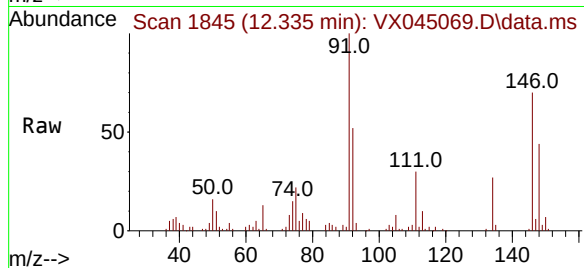
134 24.4 12.2 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#90

Hexachloroethane

Concen: 4.052 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX045069.D

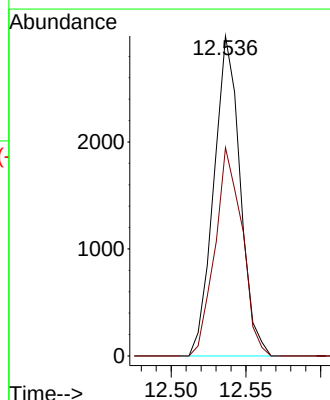
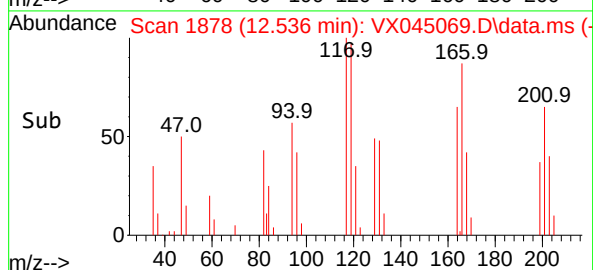
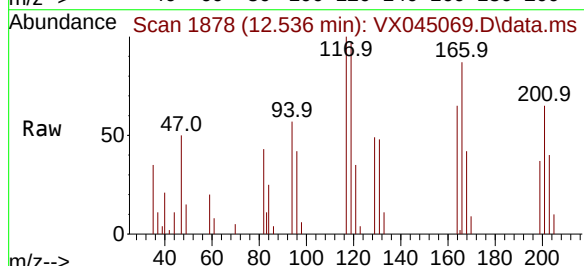
Acq: 28 Feb 2025 02:13

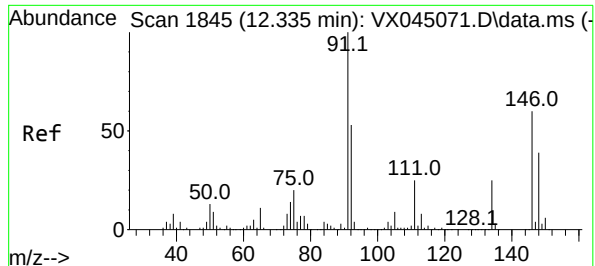
Tgt Ion:117 Resp: 3665

Ion Ratio Lower Upper

117 100

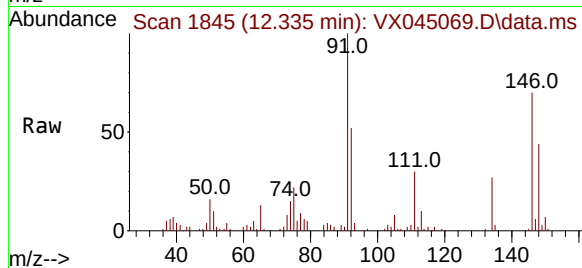
201 67.1 31.9 95.9





#91
1,2-Dichlorobenzene
Concen: 5.138 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

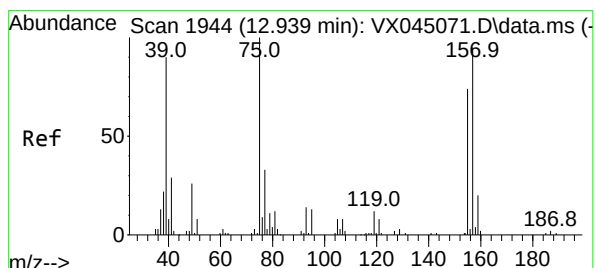
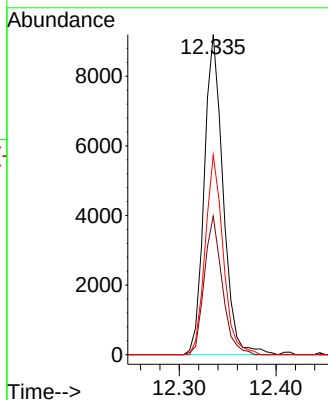
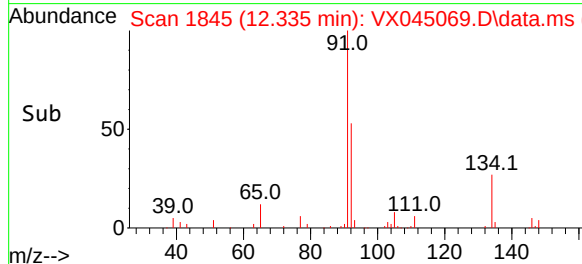
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion:146 Resp: 1247
Ion Ratio Lower Upper
146 100
111 41.2 21.6 65.0
148 59.4 31.9 95.9

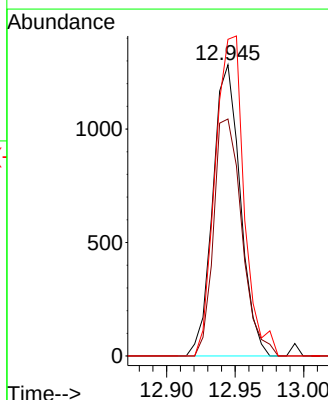
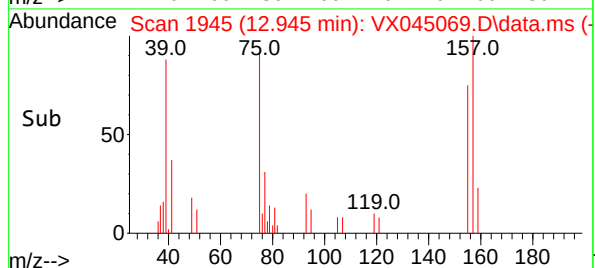
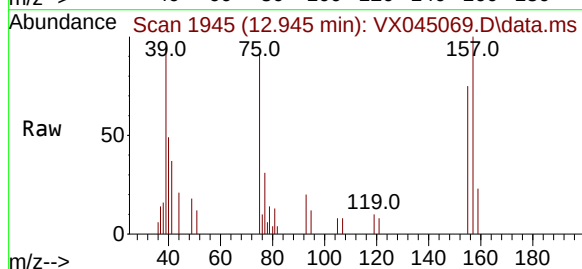
Manual Integrations
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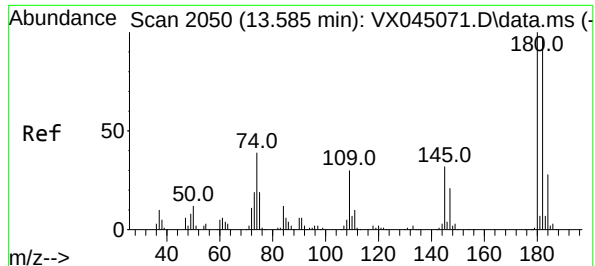
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.712 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

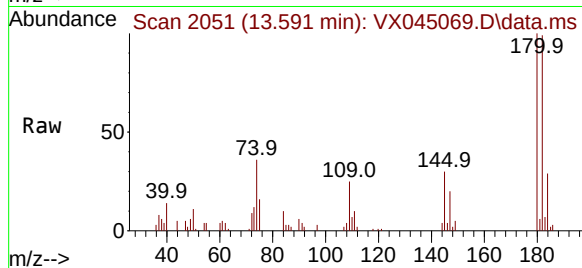
Tgt Ion: 75 Resp: 1787
Ion Ratio Lower Upper
75 100
155 83.8 39.6 118.7
157 115.4 51.1 153.4





#93
1,2,4-Trichlorobenzene
Concen: 4.114 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

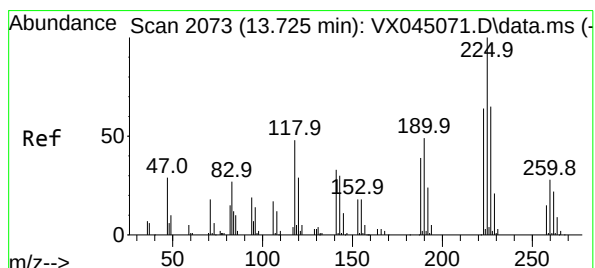
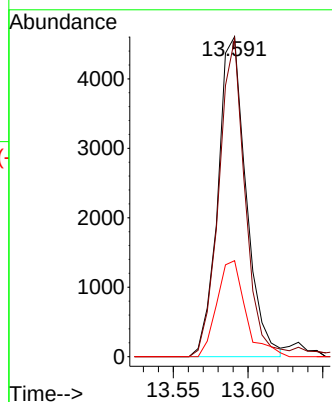
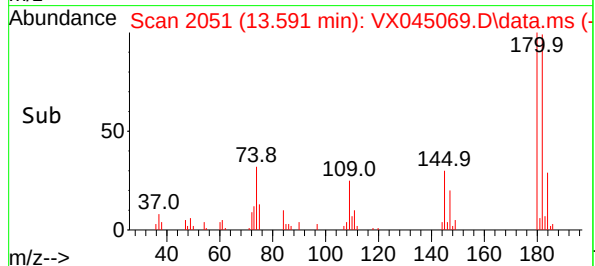
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion:180 Resp: 6040
Ion Ratio Lower Upper
180 100
182 92.4 47.3 141.9
145 30.6 16.3 48.9

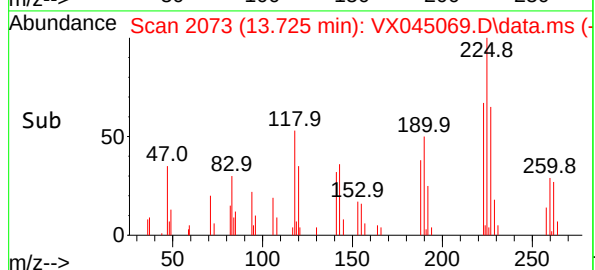
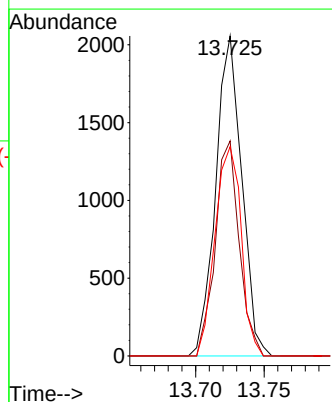
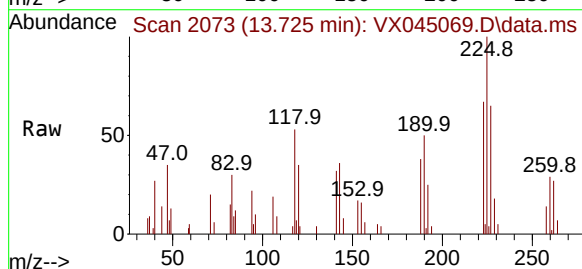
Manual Integrations
APPROVED

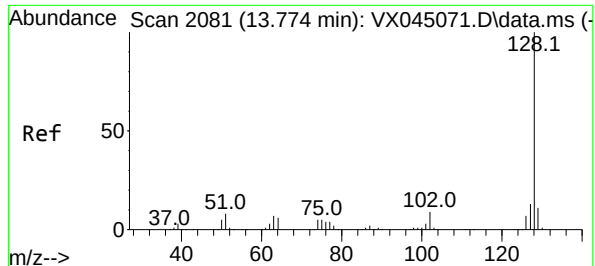
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#94
Hexachlorobutadiene
Concen: 4.640 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

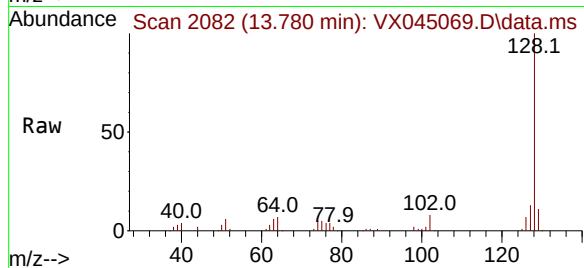
Tgt Ion:225 Resp: 2716
Ion Ratio Lower Upper
225 100
223 61.8 31.9 95.7
227 65.5 31.4 94.0





#95
Naphthalene
Concen: 4.287 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

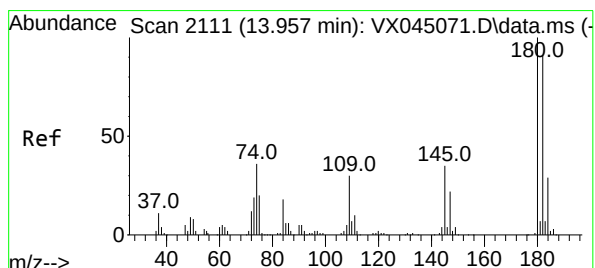
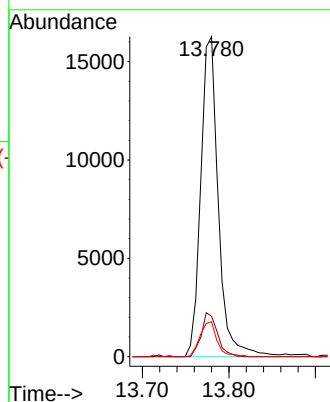
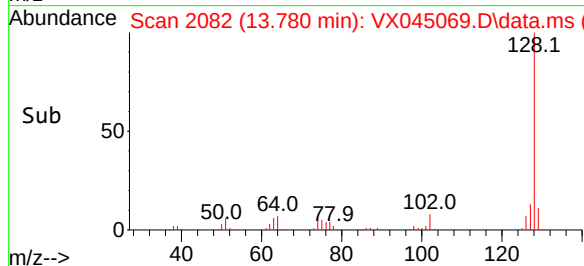
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion:128 Resp: 2292
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 10.6 8.7 13.1

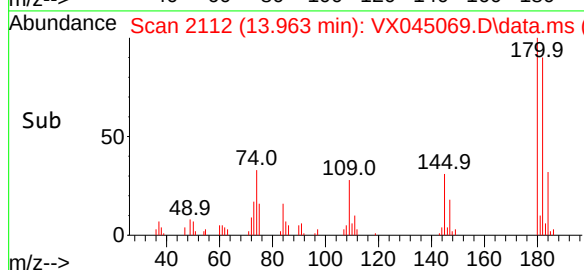
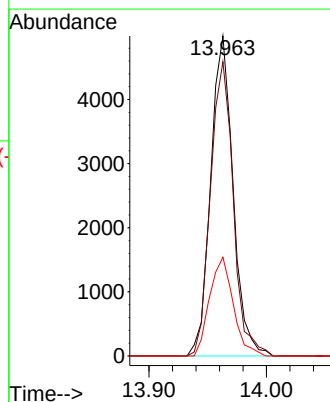
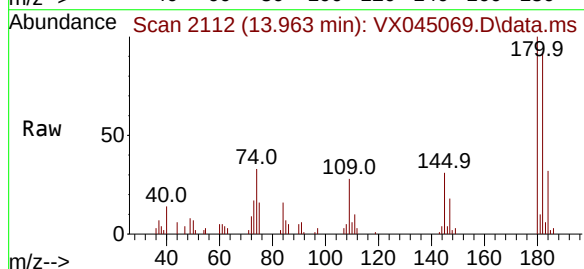
Manual Integrations
APPROVED

Reviewed By :John Carbone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.437 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:180 Resp: 6600
Ion Ratio Lower Upper
180 100
182 93.3 47.5 142.6
145 32.6 17.0 50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045070.D
 Acq On : 28 Feb 2025 02:37
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Quant Time: Feb 28 05:33:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 05:28:02 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	97338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	177403	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	30514	21.221	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	42.440%#		
35) Dibromofluoromethane	5.385	113	23739	20.473	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.940%#		
50) Toluene-d8	8.646	98	84516	19.469	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	38.940%#		
62) 4-Bromofluorobenzene	11.079	95	27856	19.215	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.420%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	25155	18.750	ug/l	95
3) Chloromethane	1.306	50	32219	19.736	ug/l	99
4) Vinyl Chloride	1.373	62	30134	18.899	ug/l	97
5) Bromomethane	1.593	94	11584	23.239	ug/l	99
6) Chloroethane	1.660	64	14237	23.457	ug/l	99
7) Trichlorofluoromethane	1.867	101	40880	20.015	ug/l	99
8) Diethyl Ether	2.135	74	15911	21.437	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.312	101	23154	18.984	ug/l	98
10) Methyl Iodide	2.440	142	29500	18.867	ug/l	100
11) Tert butyl alcohol	2.983	59	31246	118.627	ug/l	98
12) 1,1-Dichloroethene	2.306	96	23810	19.014	ug/l	97
13) Acrolein	2.239	56	33586	117.747	ug/l	99
14) Allyl chloride	2.654	41	42993	19.096	ug/l	100
15) Acrylonitrile	3.068	53	84182	117.598	ug/l	100
16) Acetone	2.385	43	74701	126.257	ug/l	99
17) Carbon Disulfide	2.501	76	61802	18.139	ug/l	99
18) Methyl Acetate	2.709	43	35157	19.729	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	82833	20.689	ug/l	96
20) Methylene Chloride	2.782	84	29281	20.895	ug/l	94
21) trans-1,2-Dichloroethene	3.080	96	23471	19.057	ug/l	97
22) Diisopropyl ether	3.763	45	90378	20.995	ug/l	93
23) Vinyl Acetate	3.721	43	381808	108.038	ug/l	99
24) 1,1-Dichloroethane	3.605	63	49826	20.716	ug/l	99
25) 2-Butanone	4.562	43	118713	124.449	ug/l	97
26) 2,2-Dichloropropane	4.470	77	22886	12.799	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	29788	20.065	ug/l	99
28) Bromochloromethane	4.891	49	23869	20.579	ug/l	99
29) Tetrahydrofuran	5.007	42	77433	122.519	ug/l	99
30) Chloroform	5.086	83	49751	21.147	ug/l	97
31) Cyclohexane	5.464	56	42340	19.181	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	39276	19.831	ug/l	99
36) 1,1-Dichloropropene	5.684	75	31519	18.903	ug/l	99
37) Ethyl Acetate	4.714	43	43097	22.714	ug/l	99
38) Carbon Tetrachloride	5.671	117	31694	19.334	ug/l	97
39) Methylcyclohexane	7.372	83	39769	18.676	ug/l	97
40) Benzene	6.031	78	105787	20.298	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045070.D
 Acq On : 28 Feb 2025 02:37
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:33:34 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M

Quant Title : SW846 8260

QLast Update : Fri Feb 28 05:28:02 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	23924	23.605	ug/l	97
42) 1,2-Dichloroethane	6.086	62	38653	22.886	ug/l	99
43) Isopropyl Acetate	6.348	43	66727	22.094	ug/l	99
44) Trichloroethene	7.122	130	24052	20.191	ug/l	98
45) 1,2-Dichloropropane	7.427	63	27128	20.945	ug/l	99
46) Dibromomethane	7.580	93	19323	21.357	ug/l	97
47) Bromodichloromethane	7.817	83	38038	21.732	ug/l	97
48) Methyl methacrylate	7.695	41	32627	22.757	ug/l	98
49) 1,4-Dioxane	7.665	88	14602	479.170	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	229615	124.081	ug/l	98
52) Toluene	8.714	92	63326	20.463	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	30917	17.871	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	36118	18.675	ug/l	97
55) 1,1,2-Trichloroethane	9.152	97	26358	21.992	ug/l	99
56) Ethyl methacrylate	9.116	69	39850	20.791	ug/l	97
57) 1,3-Dichloropropane	9.305	76	45644	21.836	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	96311	102.342	ug/l	99
59) 2-Hexanone	9.433	43	168768	126.428	ug/l	100
60) Dibromochloromethane	9.518	129	27705	21.668	ug/l	99
61) 1,2-Dibromoethane	9.610	107	26311	21.764	ug/l	98
64) Tetrachloroethene	9.268	164	20140	20.102	ug/l	97
65) Chlorobenzene	10.079	112	68777	20.316	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.158	131	22508	20.627	ug/l	97
67) Ethyl Benzene	10.189	91	119165	19.905	ug/l	100
68) m/p-Xylenes	10.299	106	89735	40.699	ug/l	98
69) o-Xylene	10.640	106	44281	20.018	ug/l	98
70) Styrene	10.652	104	73832	20.767	ug/l	98
71) Bromoform	10.799	173	17403	21.449	ug/l #	99
73) Isopropylbenzene	10.963	105	112099	19.794	ug/l	99
74) N-amyl acetate	10.841	43	52972	20.606	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	42413	21.738	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	33440m	21.394	ug/l	
77) Bromobenzene	11.195	156	26310	20.466	ug/l	99
78) n-propylbenzene	11.305	91	128284	19.641	ug/l	100
79) 2-Chlorotoluene	11.359	91	79275	19.775	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	94545	20.581	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	8759	15.196	ug/l	96
82) 4-Chlorotoluene	11.451	91	86281	19.443	ug/l	98
83) tert-Butylbenzene	11.713	119	93670	20.159	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	94734	20.943	ug/l	100
85) sec-Butylbenzene	11.890	105	115953	20.160	ug/l	100
86) p-Isopropyltoluene	12.006	119	91554	19.827	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	47934	20.400	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	46657	19.615	ug/l	99
89) n-Butylbenzene	12.329	91	78135	19.249	ug/l	100
90) Hexachloroethane	12.536	117	15919	18.483	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	48632	21.031	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	7987	22.119	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	27424	19.617	ug/l	99
94) Hexachlorobutadiene	13.725	225	10934	19.616	ug/l	99
95) Naphthalene	13.774	128	108350	21.279	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	28937	20.432	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

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

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

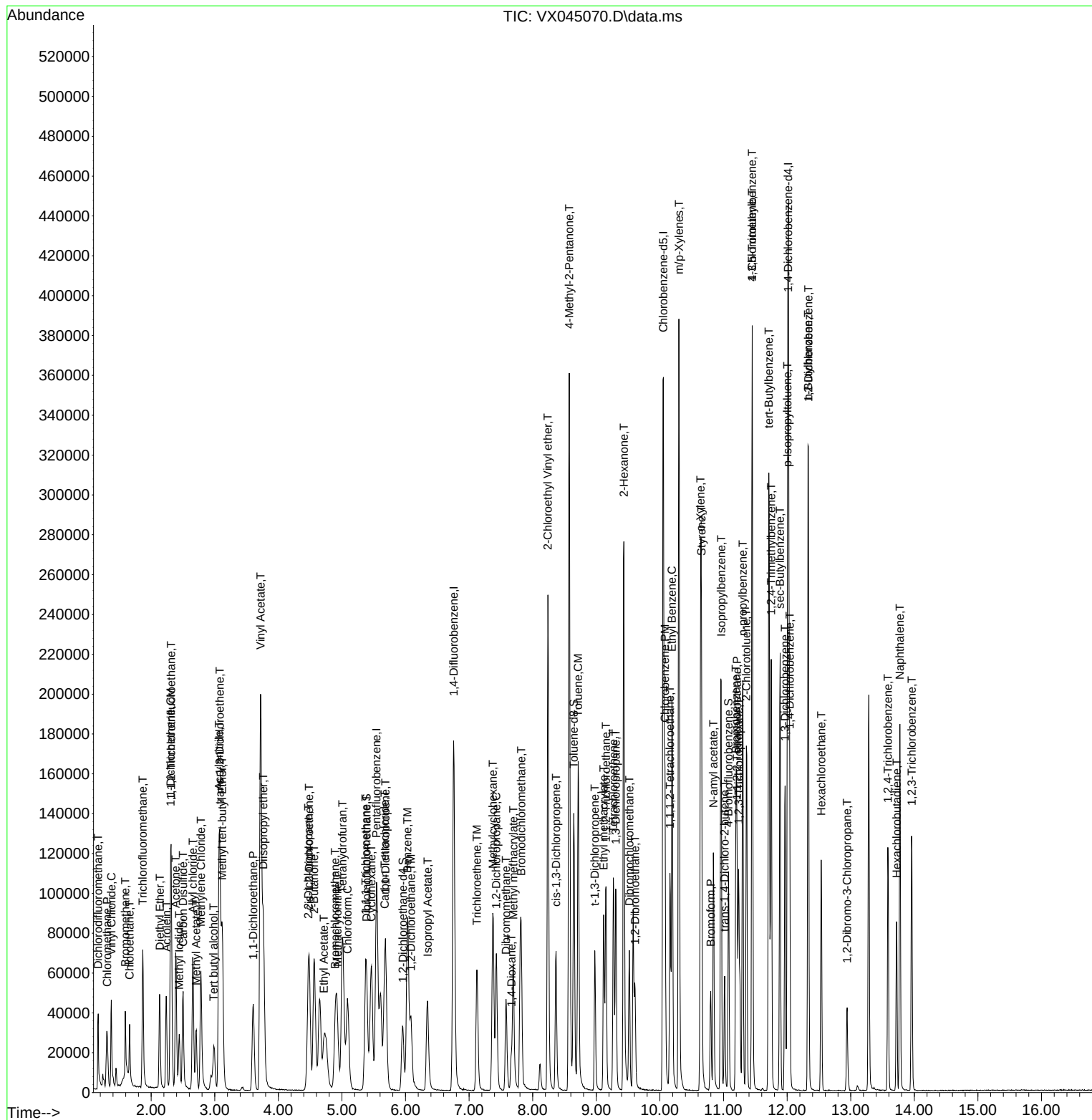
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Operator  : JC/MD  
Sample    : VSTDIC020  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 19   Sample Multiplier: 1
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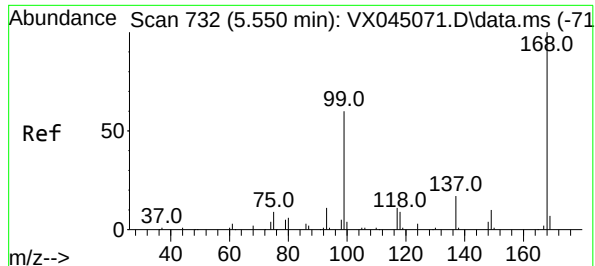
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:33:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration





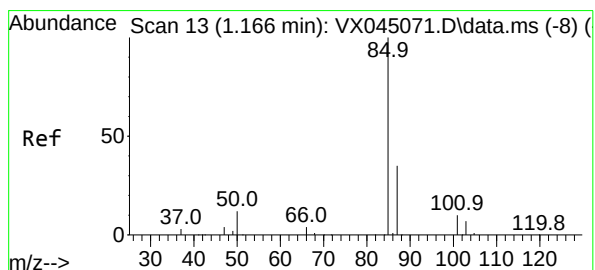
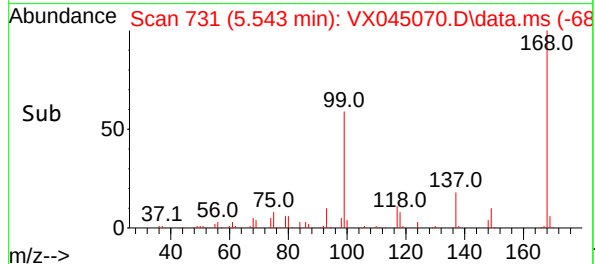
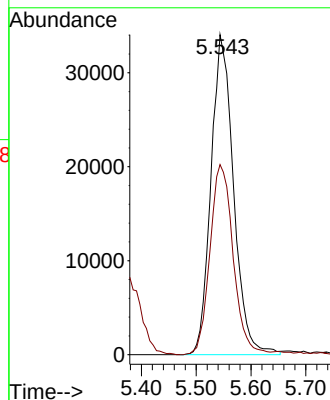
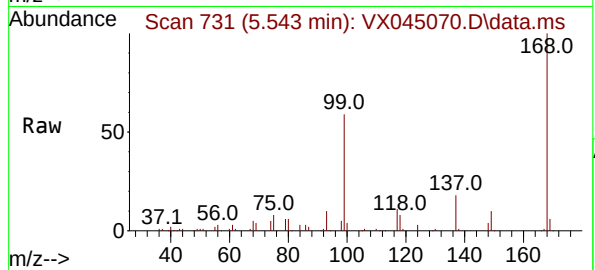
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:168 Resp: 97338
Ion Ratio Lower Upper
168 100
99 59.4 48.2 72.4

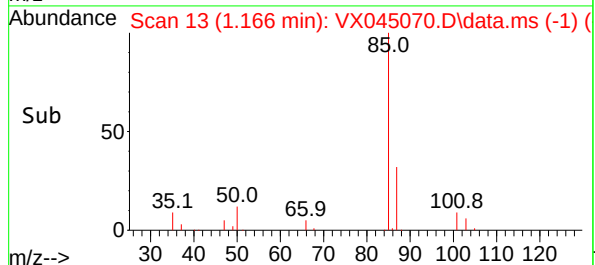
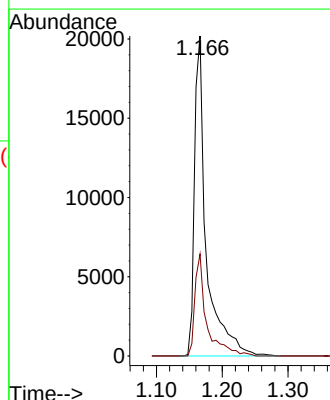
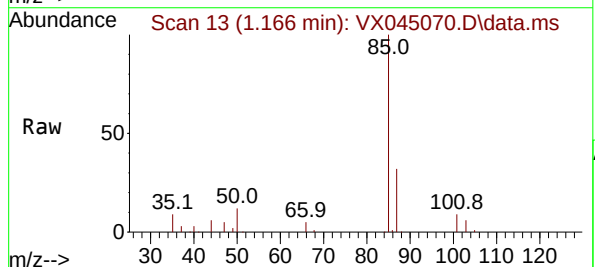
Manual Integrations
APPROVED

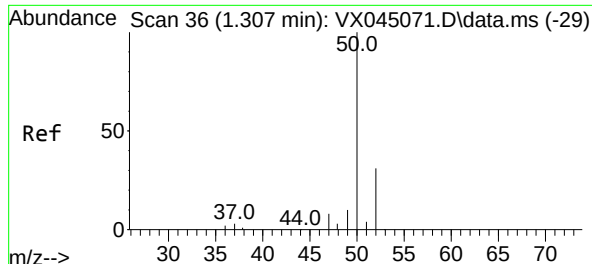
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#2
Dichlorodifluoromethane
Concen: 18.750 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

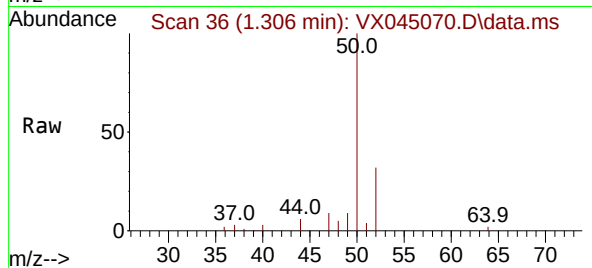
Tgt Ion: 85 Resp: 25155
Ion Ratio Lower Upper
85 100
87 31.9 17.4 52.3





#3
Chloromethane
Concen: 19.736 ug/l
RT: 1.306 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

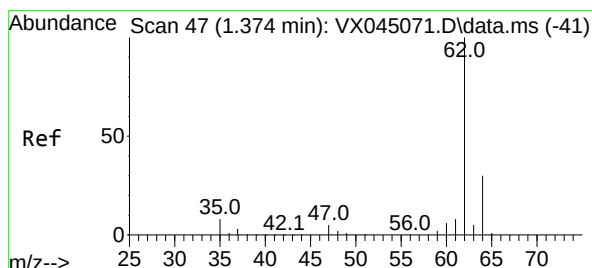
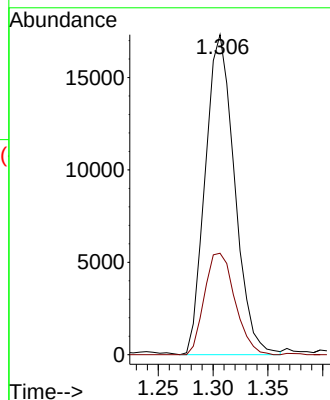
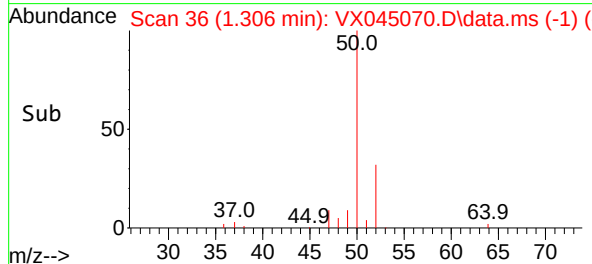
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020



Tgt Ion: 50 Resp: 32219
Ion Ratio Lower Upper
50 100
52 31.7 25.0 37.4

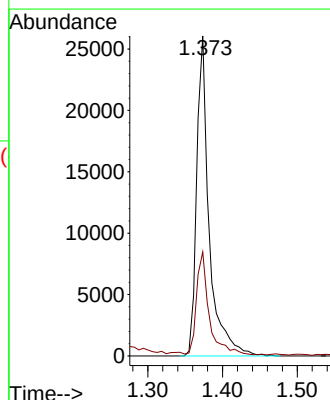
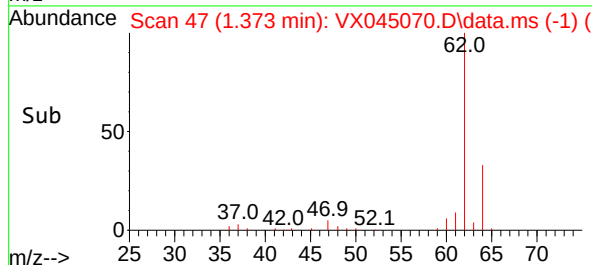
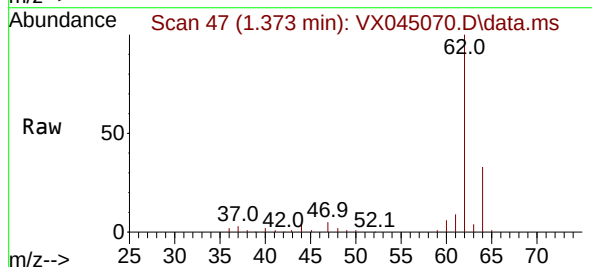
Manual Integrations
APPROVED

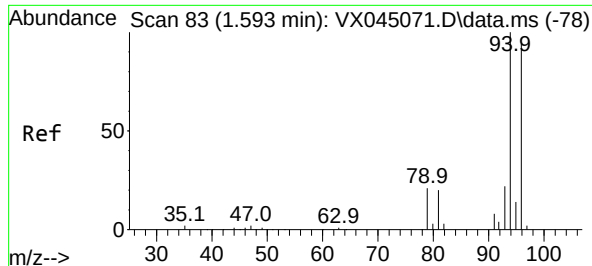
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#4
Vinyl Chloride
Concen: 18.899 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

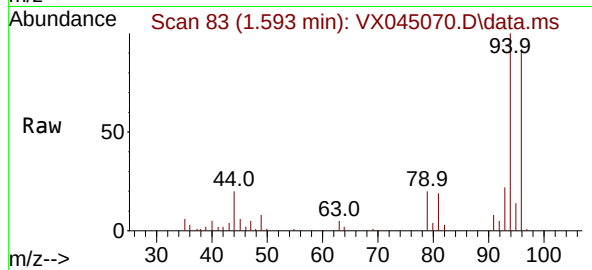
Tgt Ion: 62 Resp: 30134
Ion Ratio Lower Upper
62 100
64 32.0 24.3 36.5





#5
Bromomethane
Concen: 23.239 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

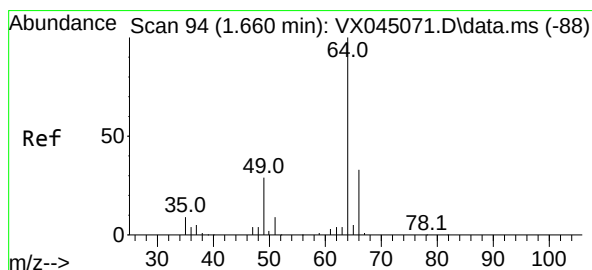
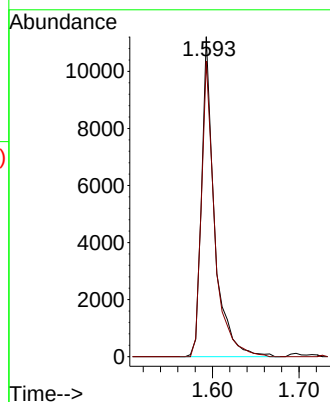
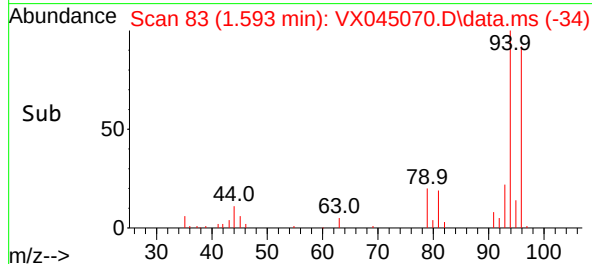
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 94 Resp: 11584
Ion Ratio Lower Upper
94 100
96 92.4 75.0 112.4

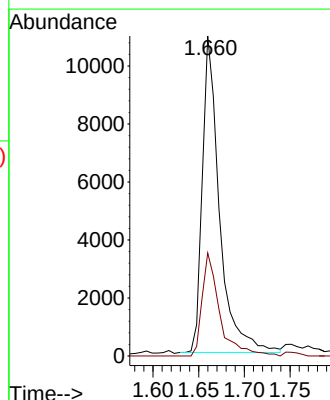
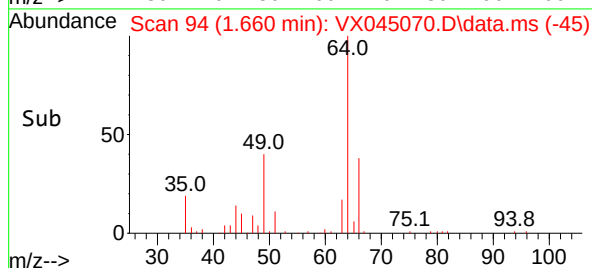
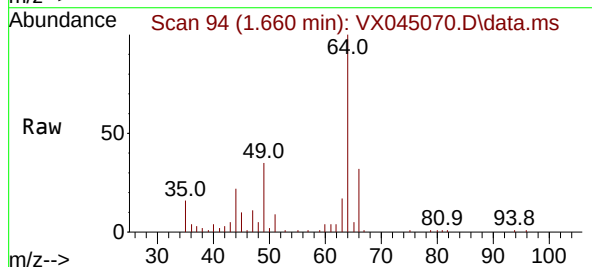
Manual Integrations
APPROVED

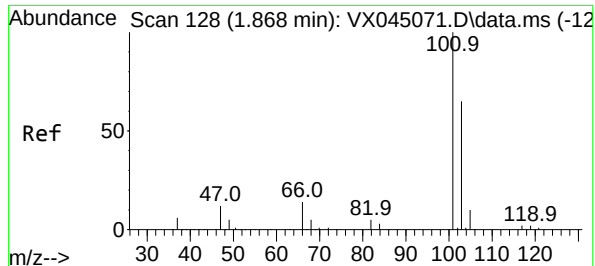
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#6
Chloroethane
Concen: 23.457 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

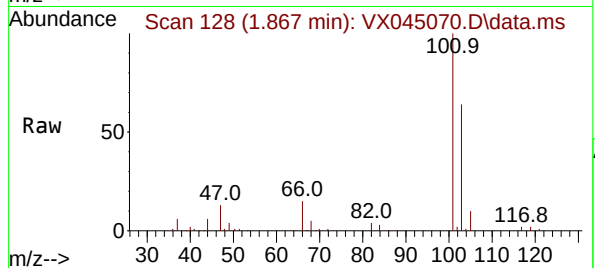
Tgt Ion: 64 Resp: 14237
Ion Ratio Lower Upper
64 100
66 32.6 26.7 40.1





#7
Trichlorofluoromethane
Concen: 20.015 ug/l
RT: 1.867 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

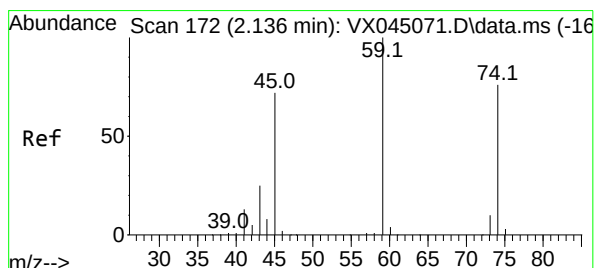
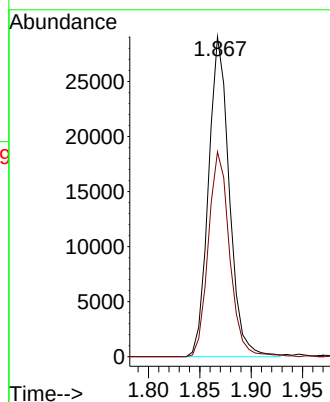
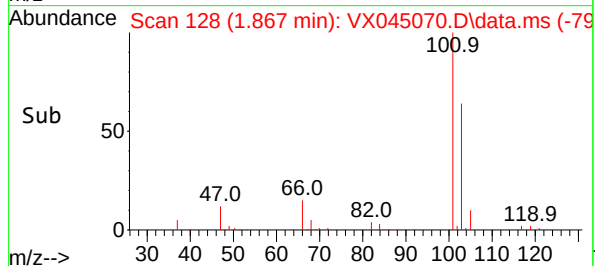
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020



Tgt Ion:101 Resp: 40880
Ion Ratio Lower Upper
101 100
103 64.0 52.1 78.1

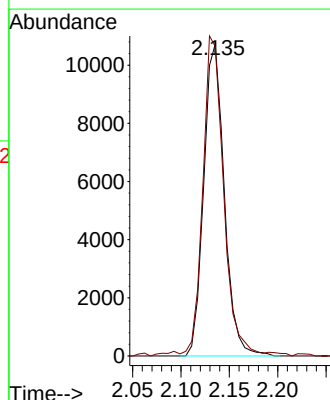
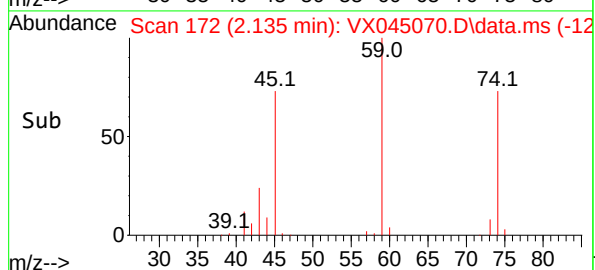
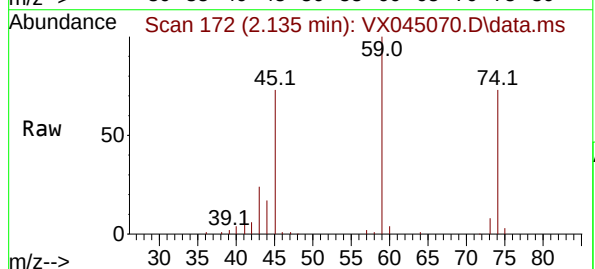
Manual Integrations
APPROVED

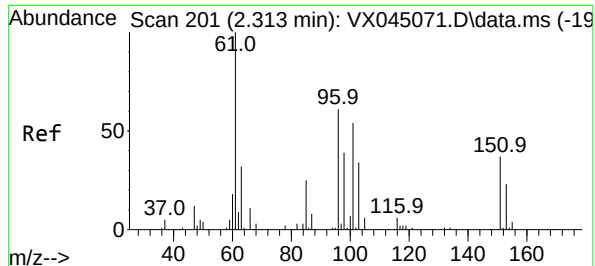
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#8
Diethyl Ether
Concen: 21.437 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 74 Resp: 15911
Ion Ratio Lower Upper
74 100
45 105.3 51.5 154.5





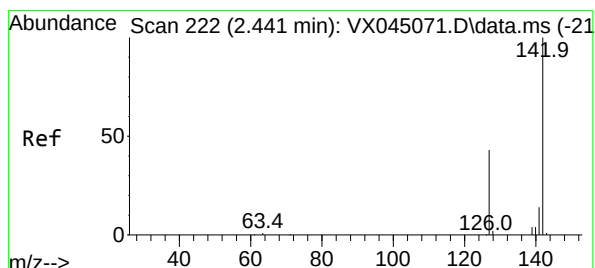
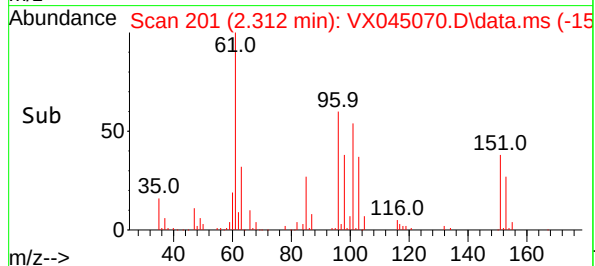
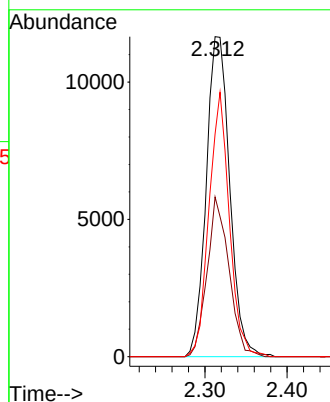
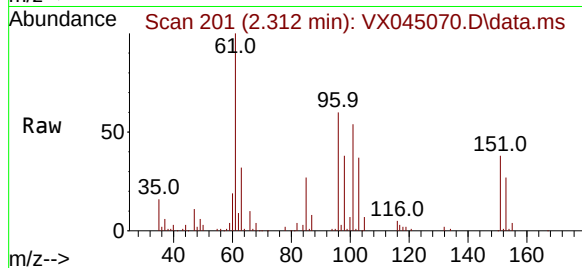
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.984 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 23154
Ion Ratio Lower Upper
101 100
85 46.5 36.2 54.4
151 71.8 56.4 84.6

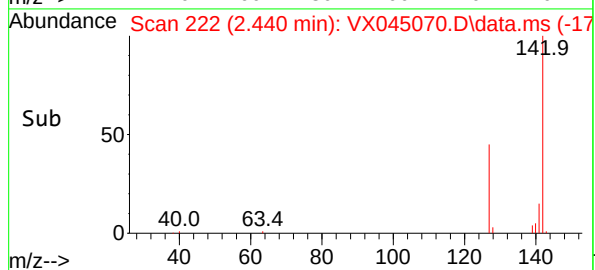
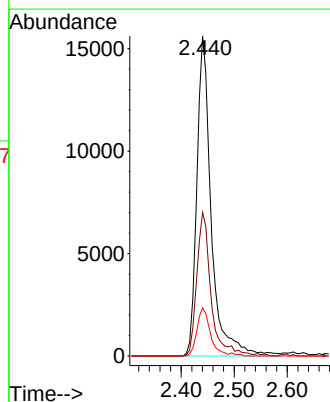
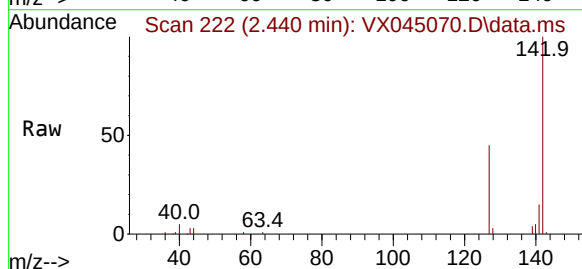
Manual Integrations
APPROVED

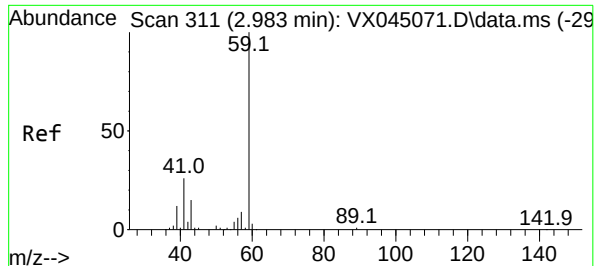
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#10
Methyl Iodide
Concen: 18.867 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:142 Resp: 29500
Ion Ratio Lower Upper
142 100
127 44.2 35.4 53.2
141 14.3 11.6 17.4





#11

Tert butyl alcohol

Concen: 118.627 ug/l

RT: 2.983 min Scan# 311

Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 59 Resp: 31240

Ion Ratio Lower Upper

59 100

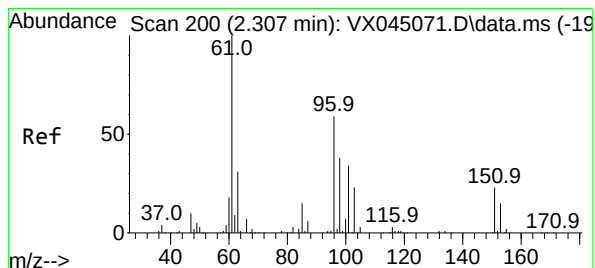
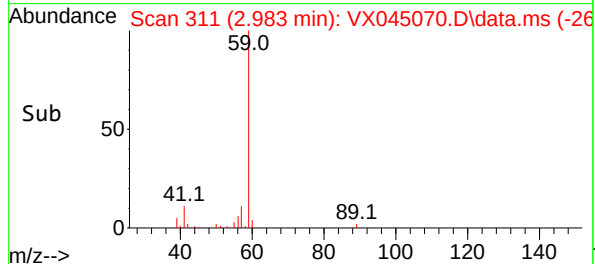
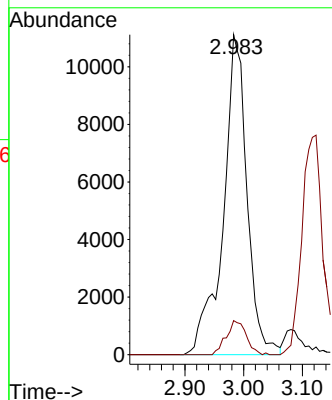
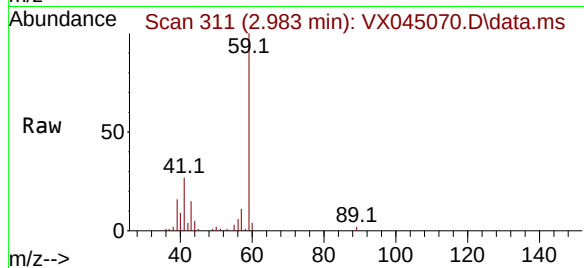
57 8.9 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#12

1,1-Dichloroethene

Concen: 19.014 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

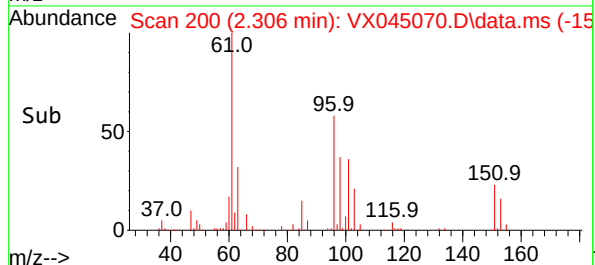
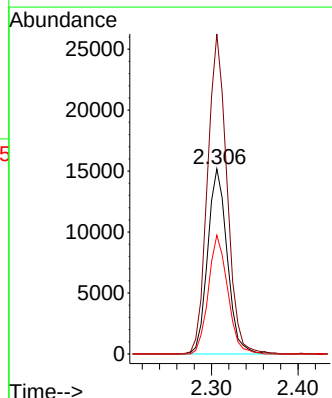
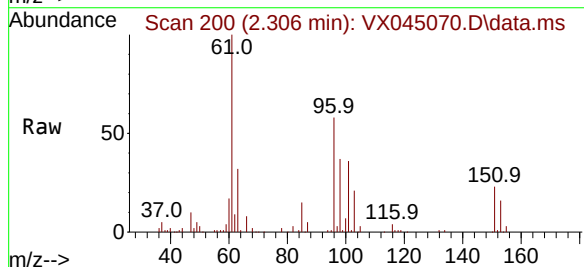
Tgt Ion: 96 Resp: 23810

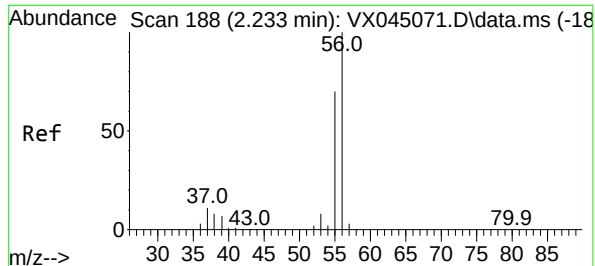
Ion Ratio Lower Upper

96 100

61 172.8 134.6 202.0

98 64.1 51.0 76.6





#13

Acrolein

Concen: 117.747 ug/l

RT: 2.239 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 33580

Ion Ratio Lower Upper

56 100

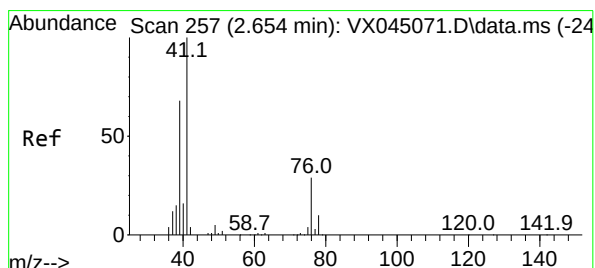
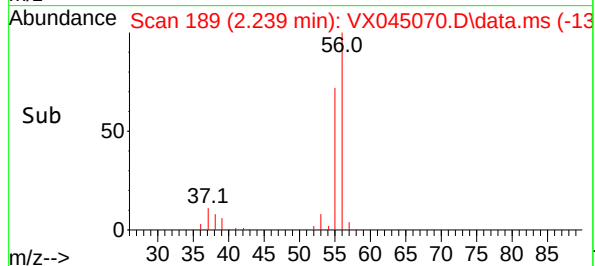
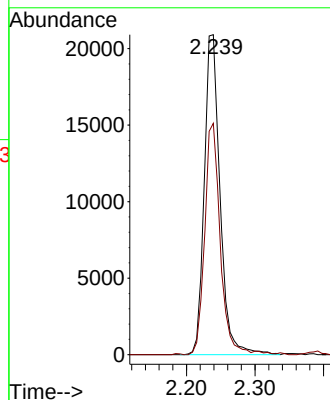
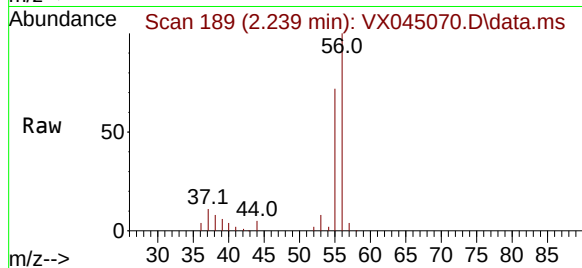
55 71.4 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#14

Allyl chloride

Concen: 19.096 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

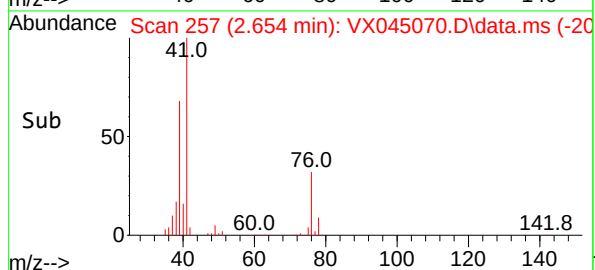
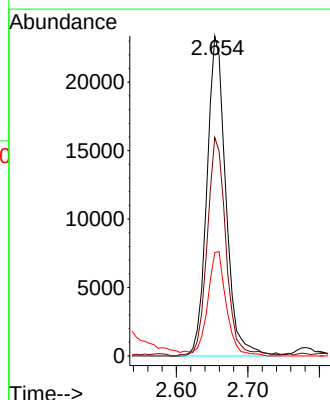
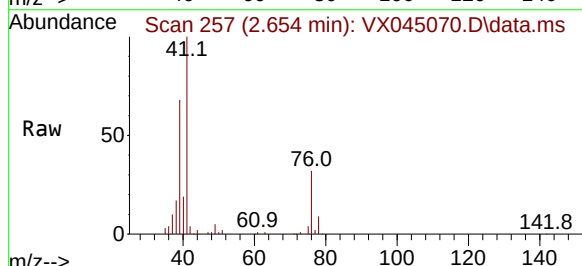
Tgt Ion: 41 Resp: 42993

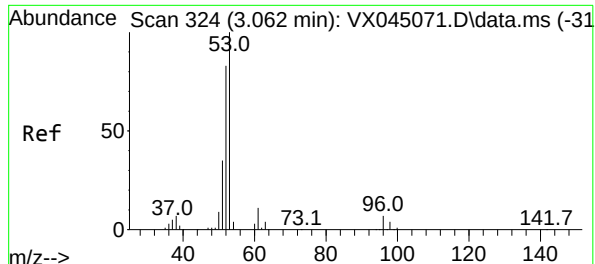
Ion Ratio Lower Upper

41 100

39 67.4 53.8 80.8

76 32.1 25.2 37.8





#15

Acrylonitrile

Concen: 117.598 ug/l

RT: 3.068 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

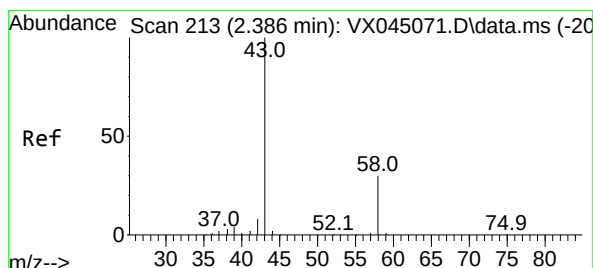
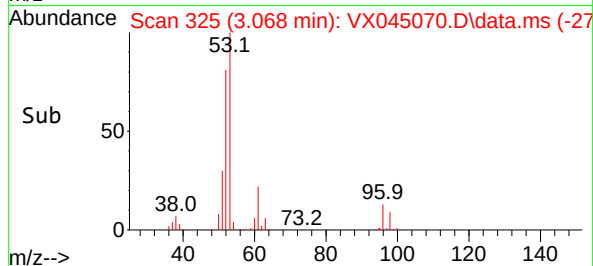
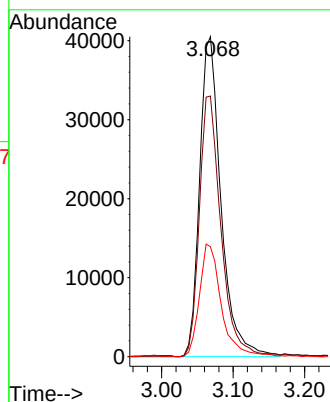
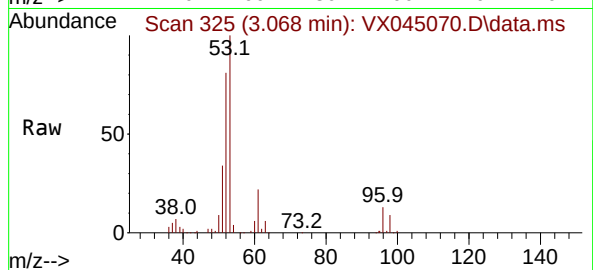
Tgt Ion:	53	Resp:	8418
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	36.0	29.0	43.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#16

Acetone

Concen: 126.257 ug/l

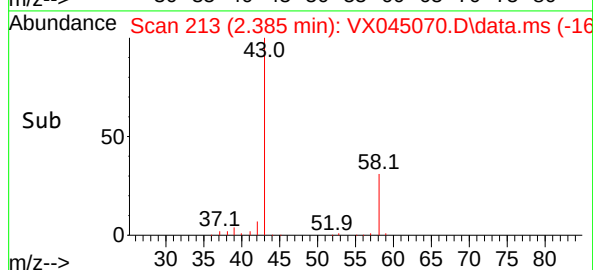
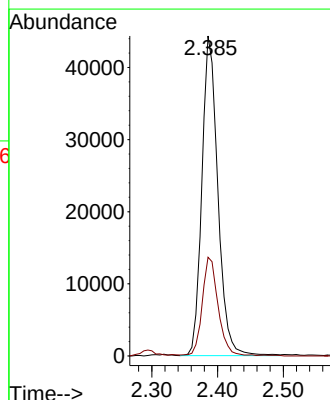
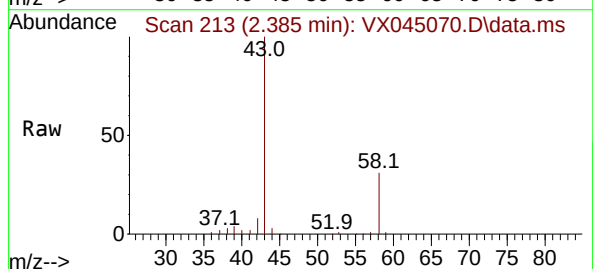
RT: 2.385 min Scan# 213

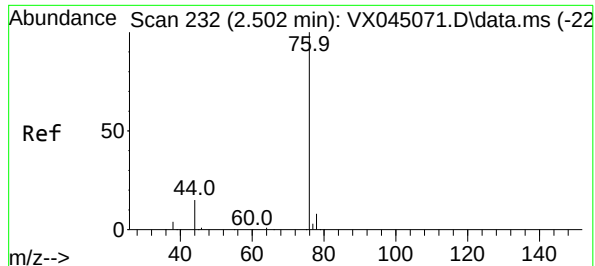
Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Tgt Ion:	43	Resp:	74701
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.2	36.4





#17

Carbon Disulfide

Concen: 18.139 ug/l

RT: 2.501 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Tgt Ion: 76 Resp: 61802

Ion Ratio Lower Upper

76 100

78 8.5 6.6 9.8

Instrument :

MSVOA_X

ClientSampleId :

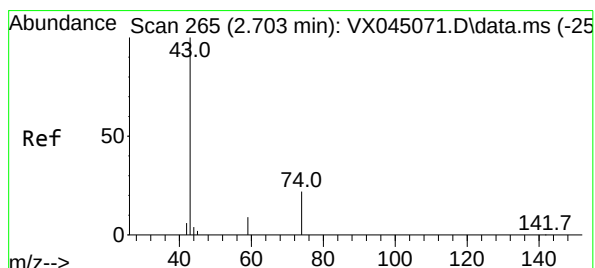
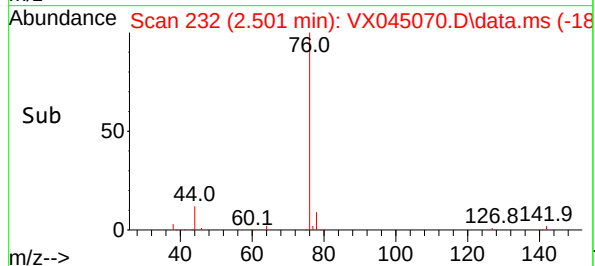
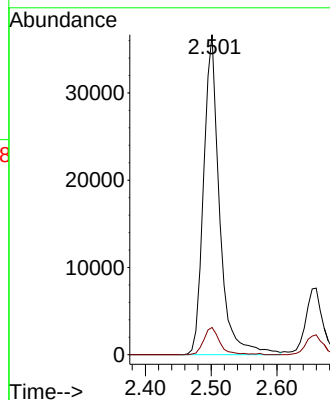
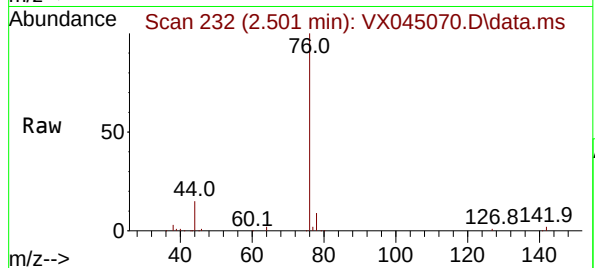
VSTDICC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#18

Methyl Acetate

Concen: 19.729 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX045070.D

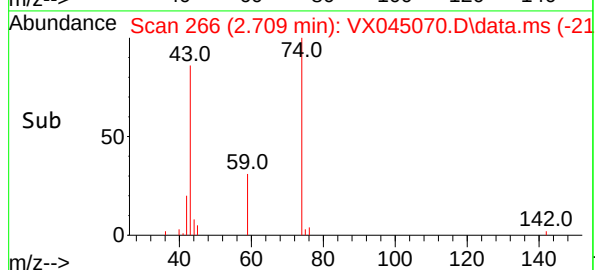
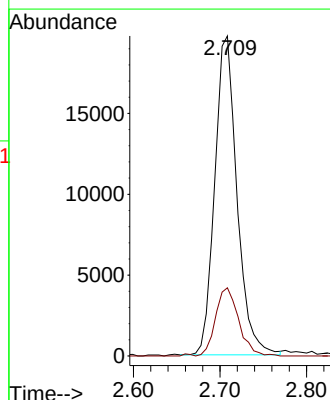
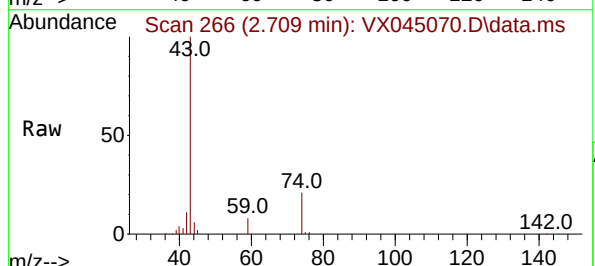
Acq: 28 Feb 2025 02:37

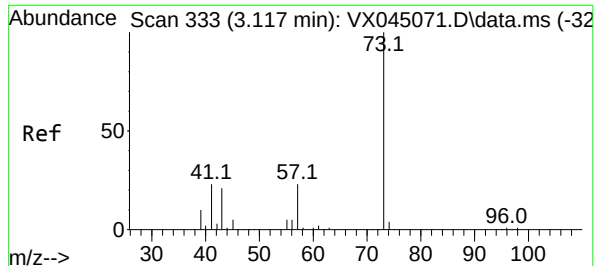
Tgt Ion: 43 Resp: 35157

Ion Ratio Lower Upper

43 100

74 22.2 17.4 26.2





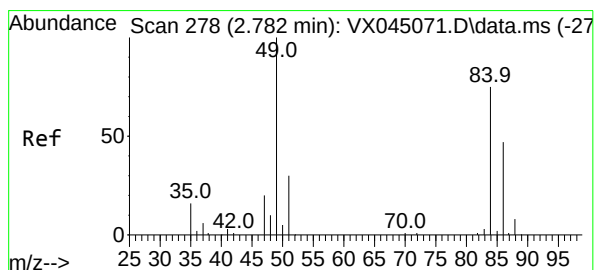
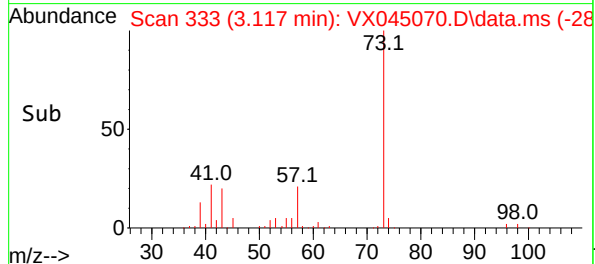
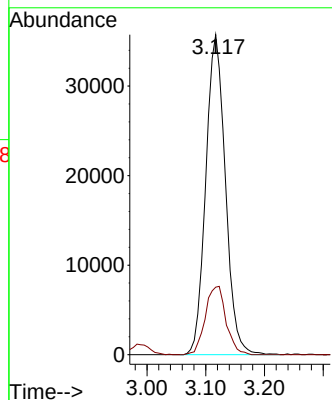
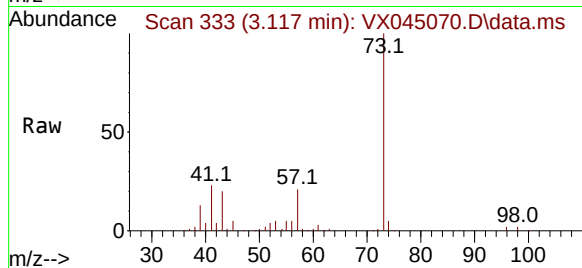
#19
Methyl tert-butyl Ether
Concen: 20.689 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 8283
Ion Ratio Lower Upper
73 100
57 21.1 18.5 27.7

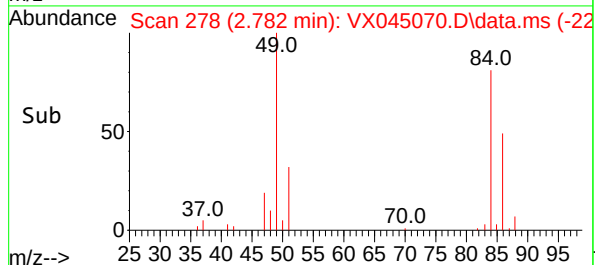
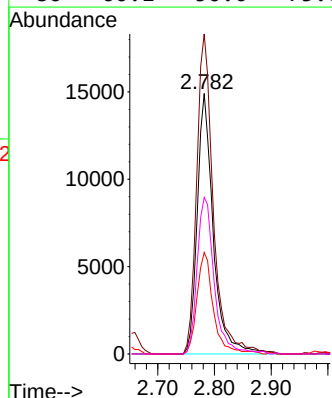
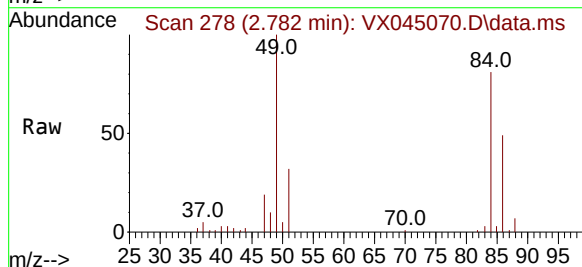
Manual Integrations
APPROVED

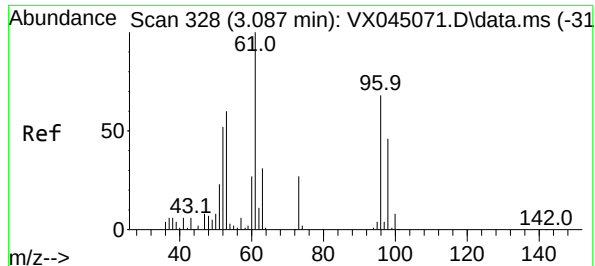
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#20
Methylene Chloride
Concen: 20.895 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

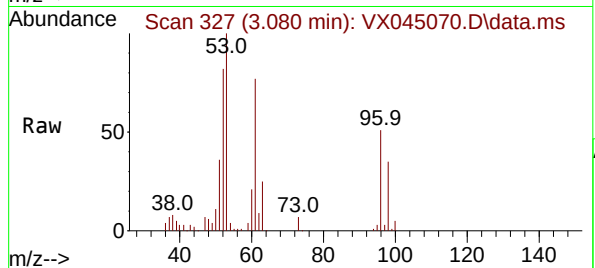
Tgt Ion: 84 Resp: 29281
Ion Ratio Lower Upper
84 100
49 122.9 106.5 159.7
51 38.9 32.1 48.1
86 60.1 50.0 75.0





#21
trans-1,2-Dichloroethene
Concen: 19.057 ug/l
RT: 3.080 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

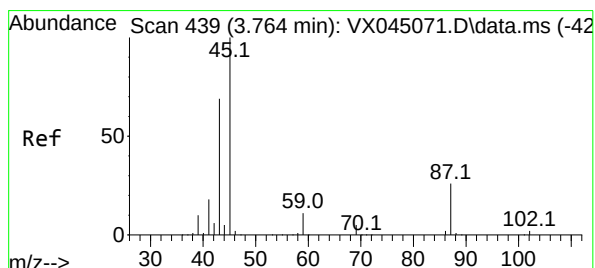
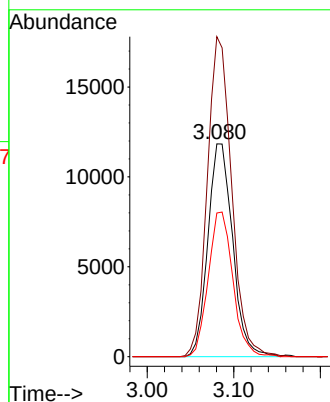
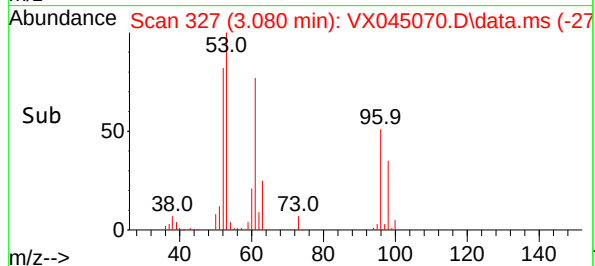
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 96 Resp: 2347
Ion Ratio Lower Upper
96 100
61 150.3 117.0 175.4
98 67.5 53.4 80.2

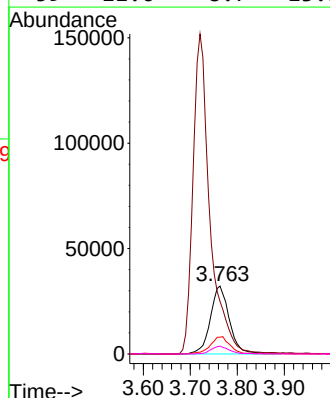
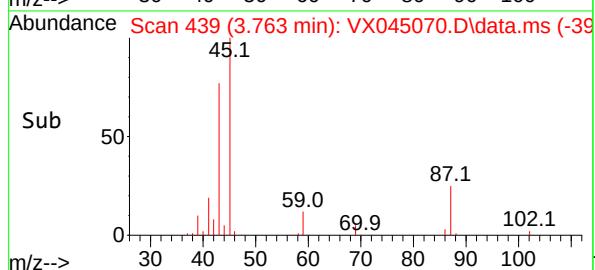
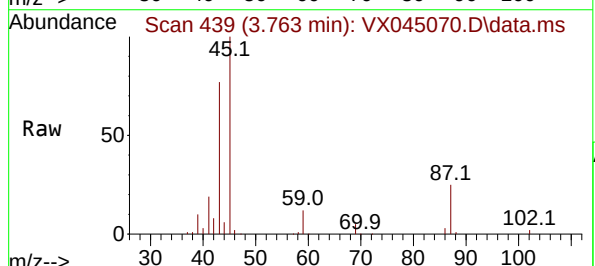
Manual Integrations
APPROVED

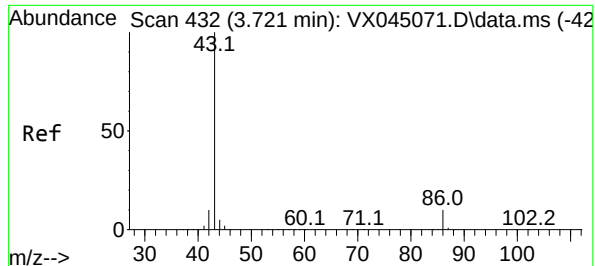
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#22
Diisopropyl ether
Concen: 20.995 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

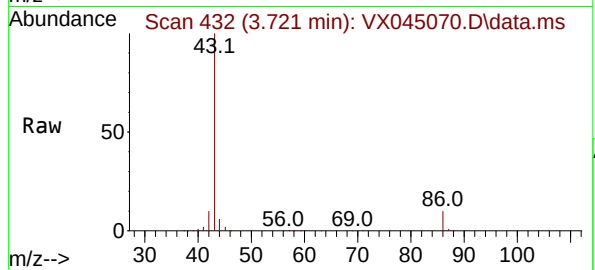
Tgt Ion: 45 Resp: 90378
Ion Ratio Lower Upper
45 100
43 76.4 54.9 82.3
87 24.7 21.0 31.4
59 11.6 8.7 13.1





#23
Vinyl Acetate
Concen: 108.038 ug/l
RT: 3.721 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

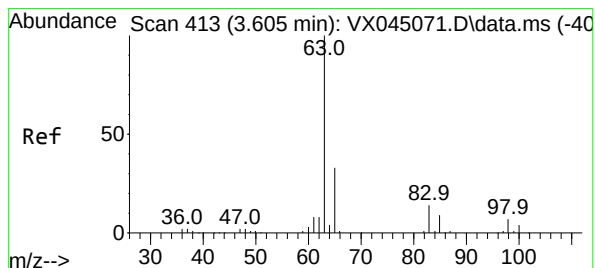
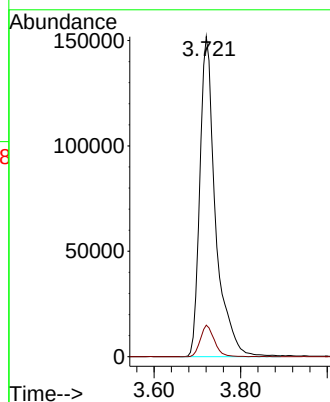
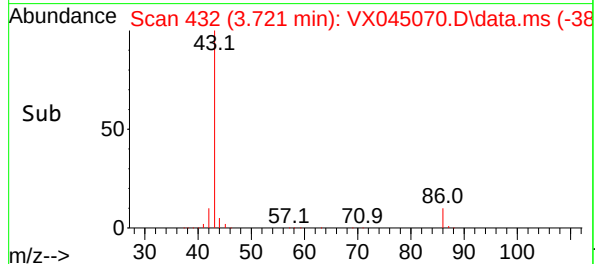
Instrument :
MSVOA_X
Client Sample Id :
VSTDICC020



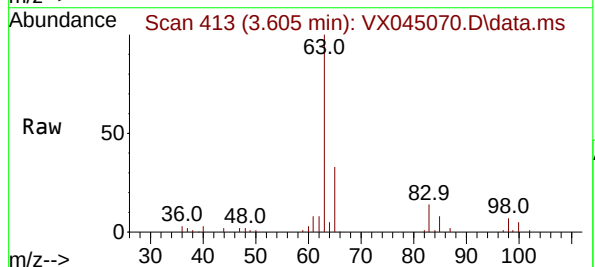
Tgt Ion: 43 Resp: 381808
Ion Ratio Lower Upper
43 100
86 9.9 8.1 12.1

Manual Integrations
APPROVED

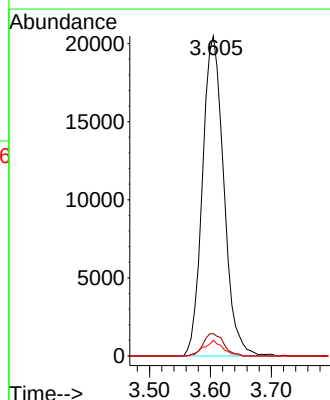
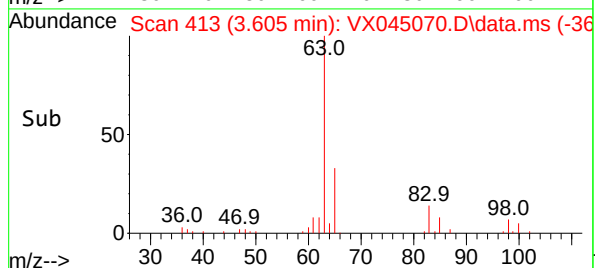
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

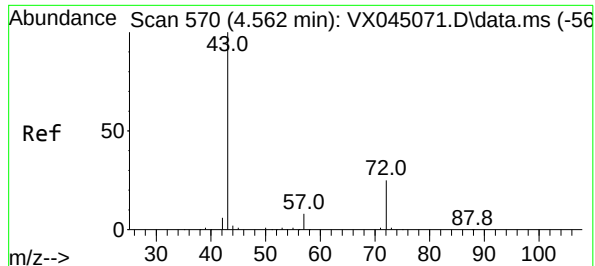


#24
1,1-Dichloroethane
Concen: 20.716 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37



Tgt Ion: 63 Resp: 49826
Ion Ratio Lower Upper
63 100
98 7.0 3.4 10.2
100 4.9 2.1 6.5





#25

2-Butanone

Concen: 124.449 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 11871

Ion Ratio Lower Upper

43 100

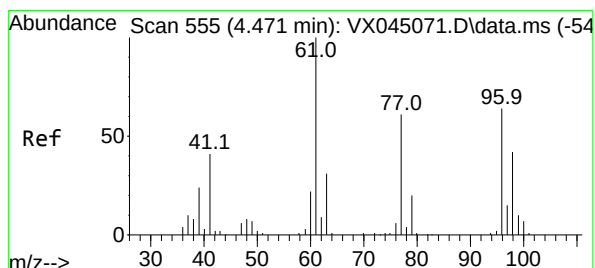
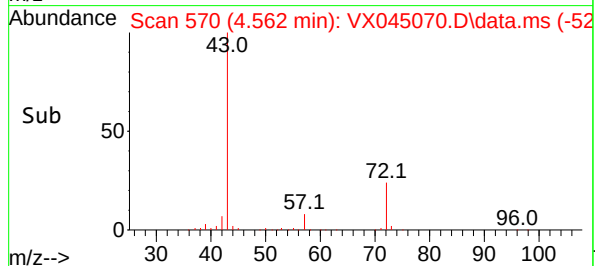
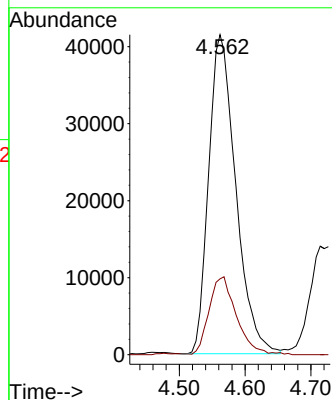
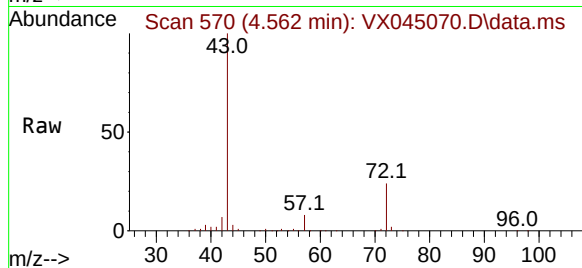
72 23.5 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#26

2,2-Dichloropropane

Concen: 12.799 ug/l

RT: 4.470 min Scan# 555

Delta R.T. -0.000 min

Lab File: VX045070.D

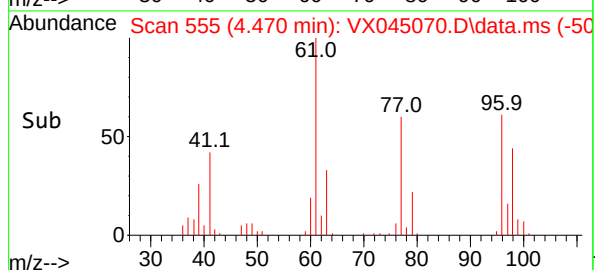
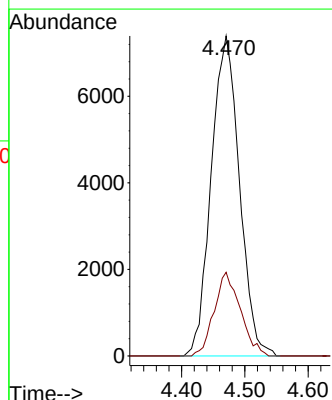
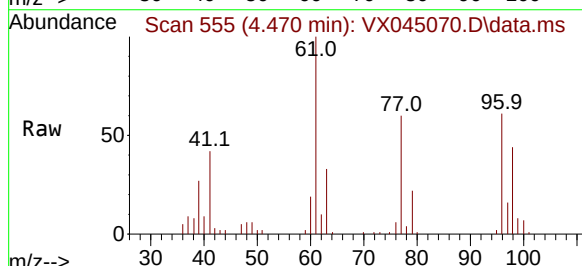
Acq: 28 Feb 2025 02:37

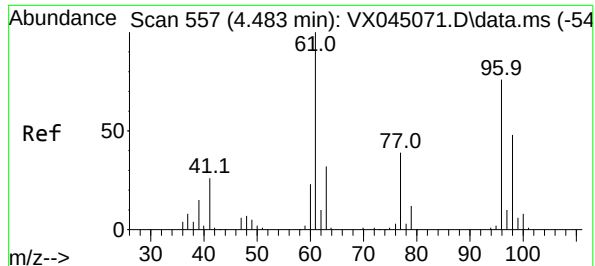
Tgt Ion: 77 Resp: 22886

Ion Ratio Lower Upper

77 100

97 24.2 12.4 37.0





#27

cis-1,2-Dichloroethene

Concen: 20.065 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 2978

Ion Ratio Lower Upper

96 100

61 142.7 0.0 283.2

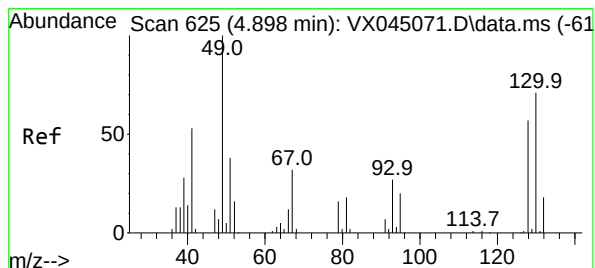
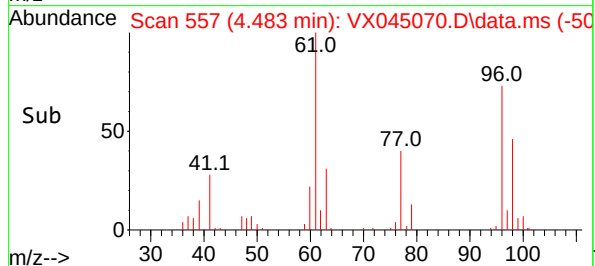
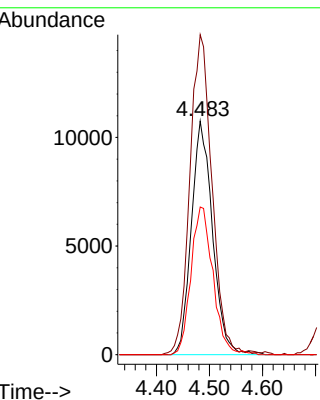
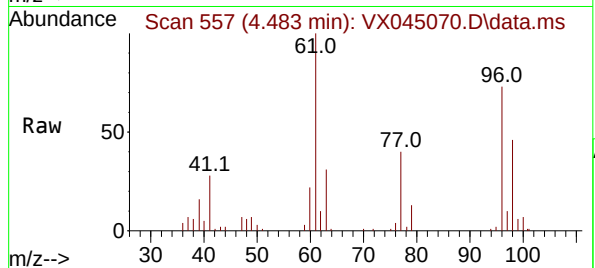
98 65.6 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#28

Bromochloromethane

Concen: 20.579 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.006 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

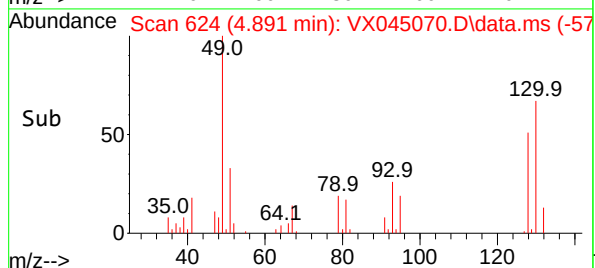
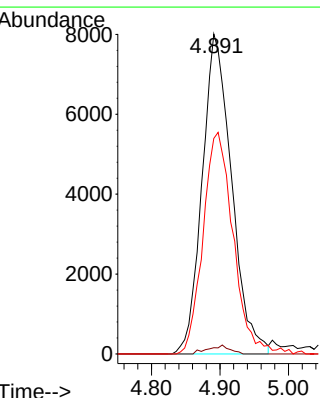
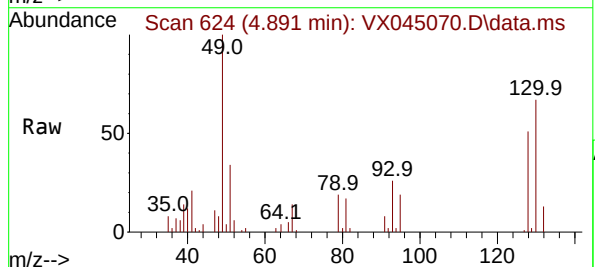
Tgt Ion: 49 Resp: 23869

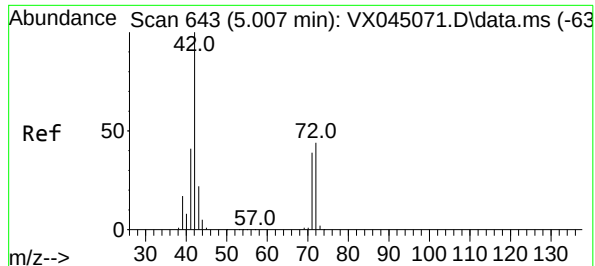
Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.4

130 70.6 56.1 84.1





#29

Tetrahydrofuran

Concen: 122.519 ug/l

RT: 5.007 min Scan# 643

Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

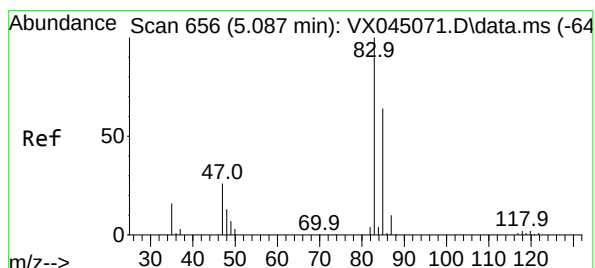
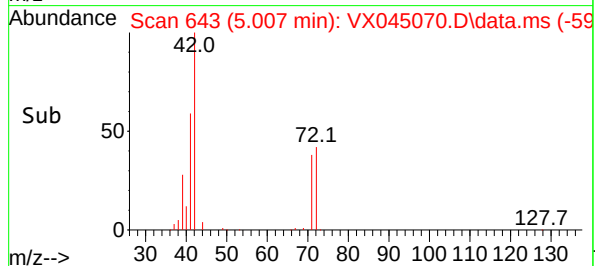
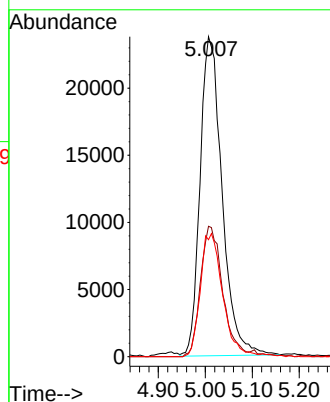
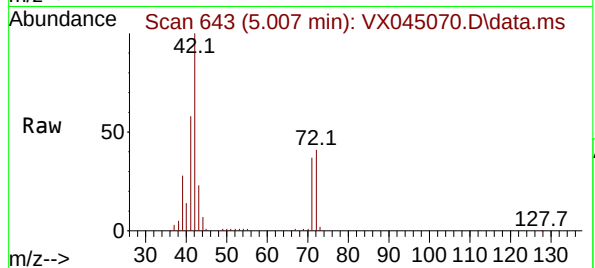
Tgt Ion:	42	Resp:	7743
Ion	Ratio	Lower	Upper
42	100		
72	41.0	34.1	51.1
71	39.0	31.4	47.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#30

Chloroform

Concen: 21.147 ug/l

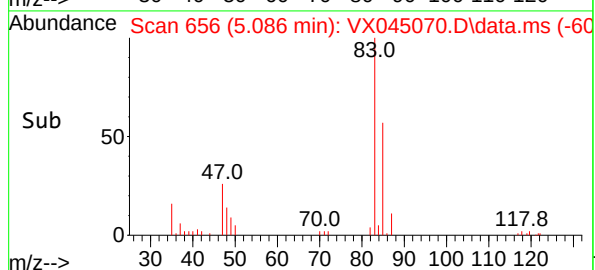
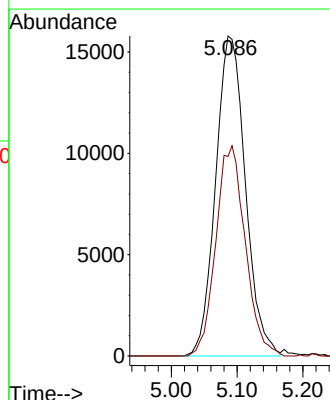
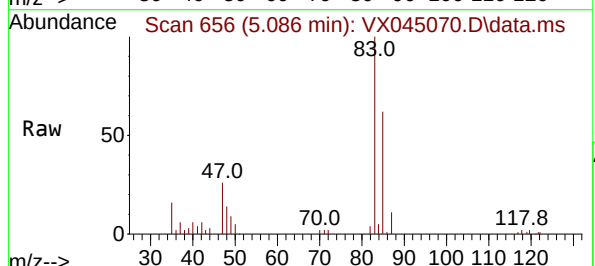
RT: 5.086 min Scan# 656

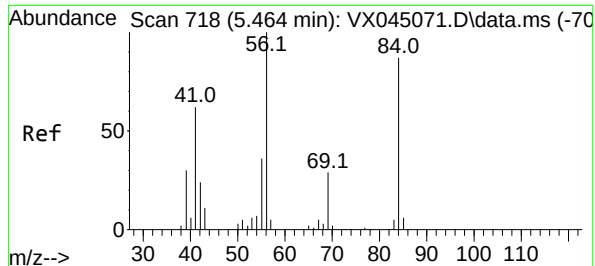
Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Tgt Ion:	83	Resp:	49751
Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.4	77.2





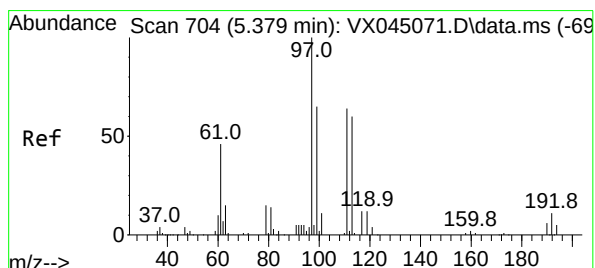
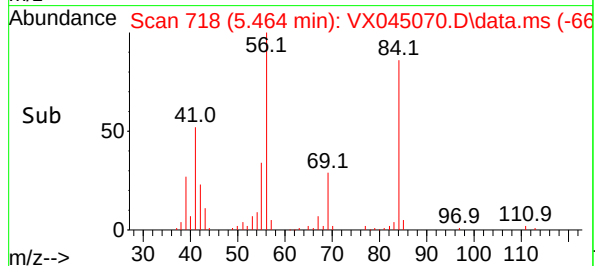
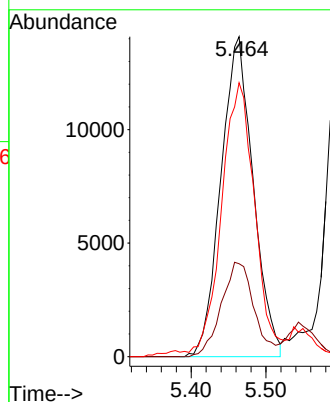
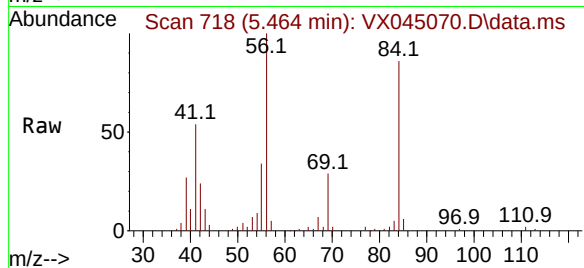
#31
Cyclohexane
Concen: 19.181 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 56 Resp: 42340
Ion Ratio Lower Upper
56 100
69 29.0 23.4 35.2
84 84.2 69.4 104.2

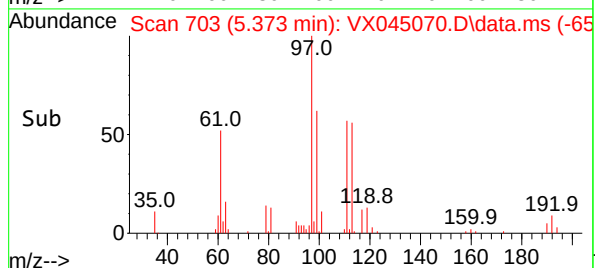
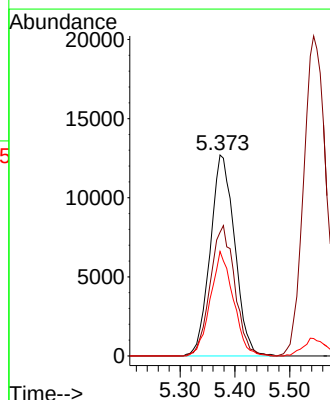
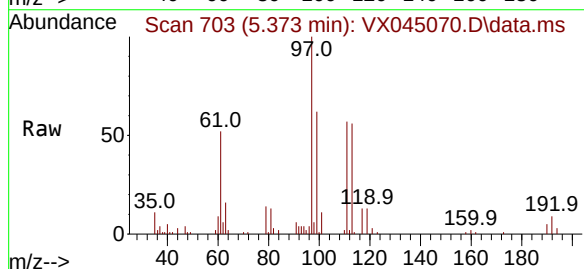
Manual Integrations
APPROVED

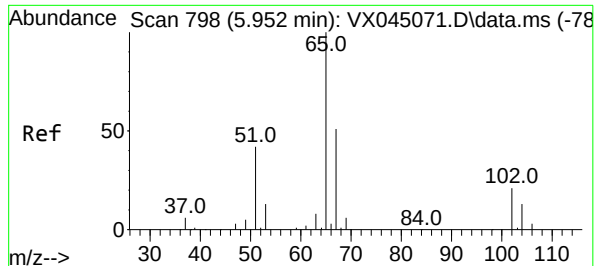
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#32
1,1,1-Trichloroethane
Concen: 19.831 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 97 Resp: 39276
Ion Ratio Lower Upper
97 100
99 65.2 51.6 77.4
61 48.9 38.4 57.6





#33

1,2-Dichloroethane-d4

Concen: 21.221 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 30514

Ion Ratio Lower Upper

65 100

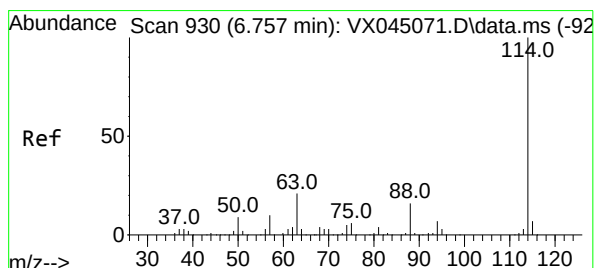
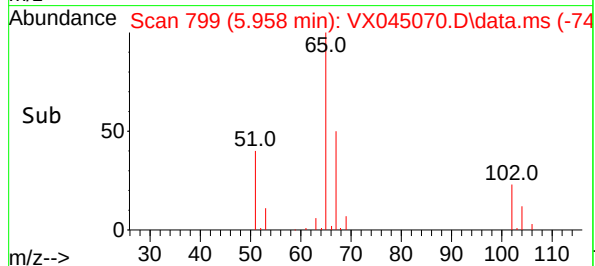
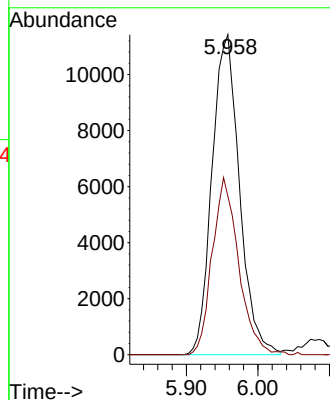
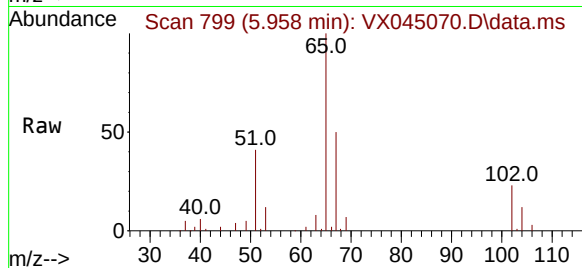
67 53.2 0.0 106.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

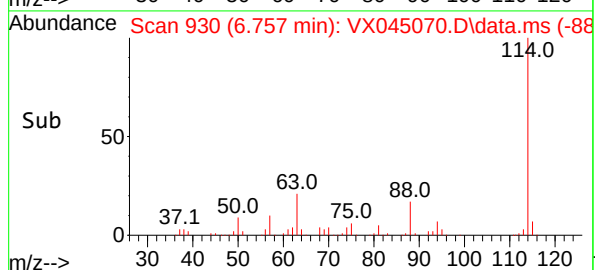
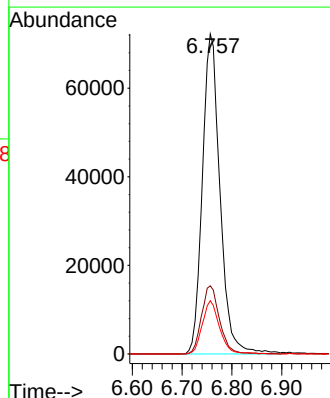
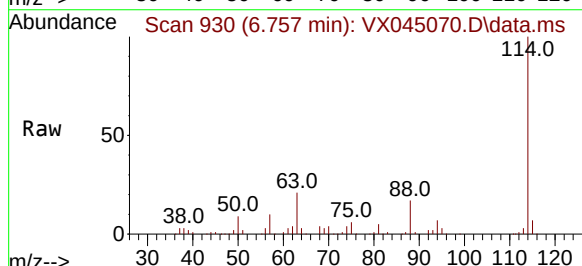
Tgt Ion:114 Resp: 177403

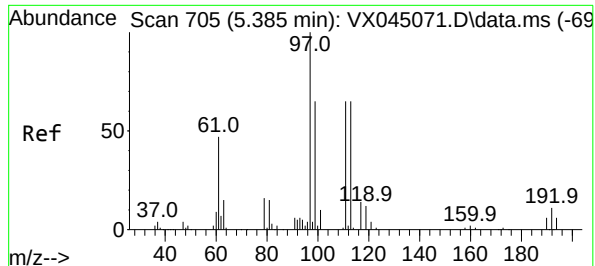
Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.8

88 16.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 20.473 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:113 Resp: 23739

Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.6

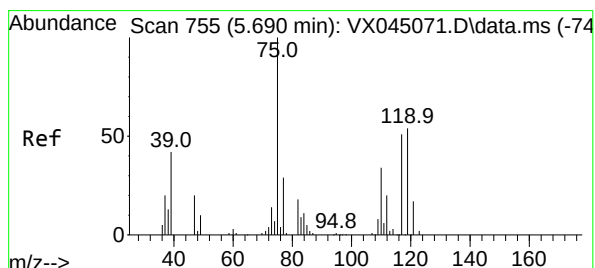
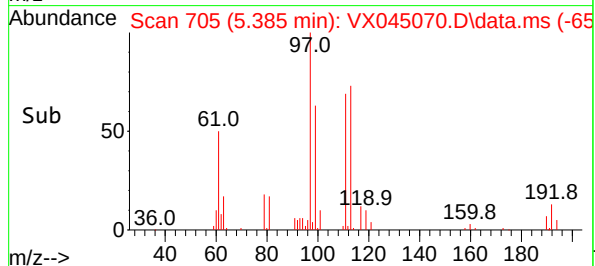
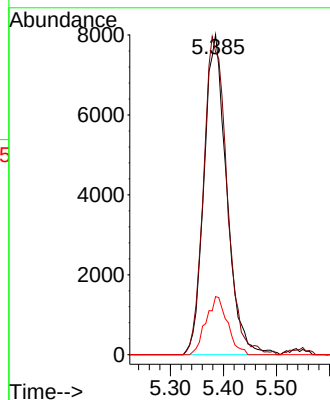
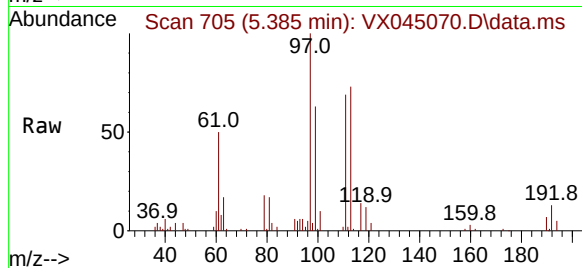
192 17.2 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#36

1,1-Dichloropropene

Concen: 18.903 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

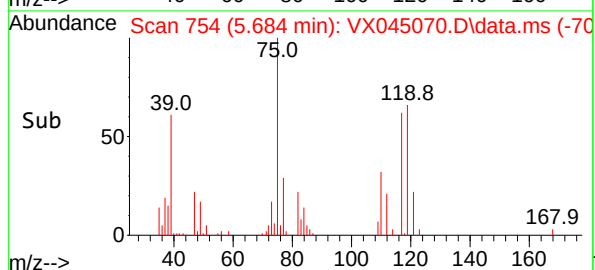
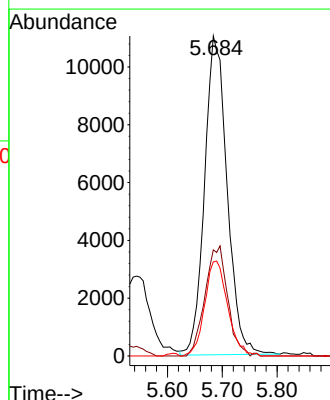
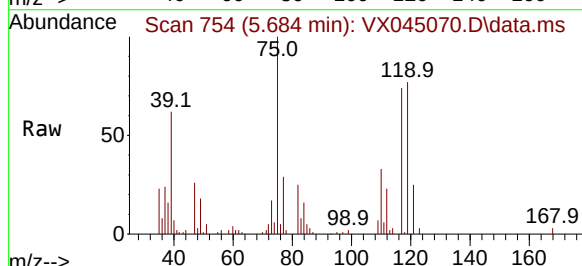
Tgt Ion: 75 Resp: 31519

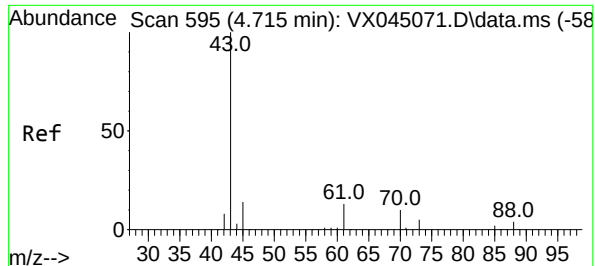
Ion Ratio Lower Upper

75 100

110 34.4 16.9 50.6

77 30.3 24.5 36.7





#37

Ethyl Acetate

Concen: 22.714 ug/l

RT: 4.714 min Scan# 595

Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

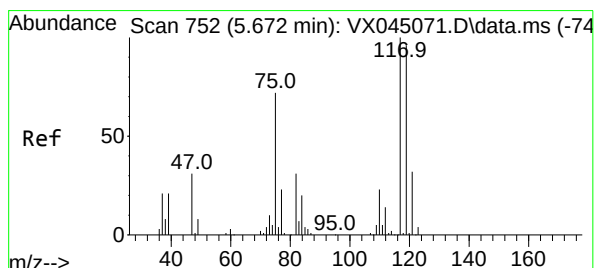
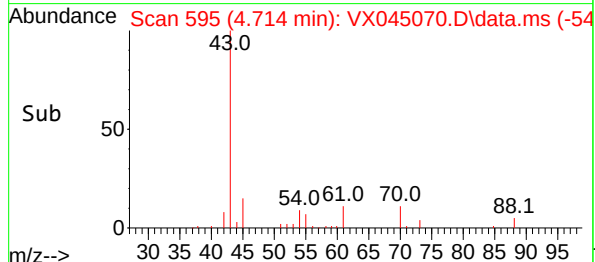
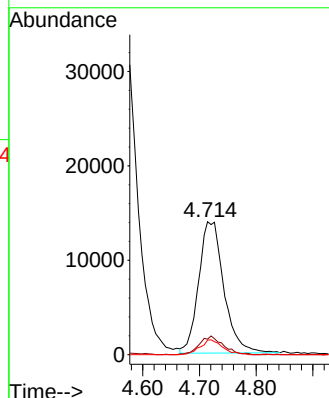
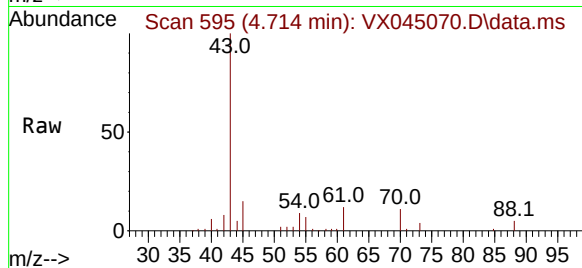
Tgt Ion:	43	Resp:	4309
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.8	16.2
70	10.1	7.7	11.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#38

Carbon Tetrachloride

Concen: 19.334 ug/l

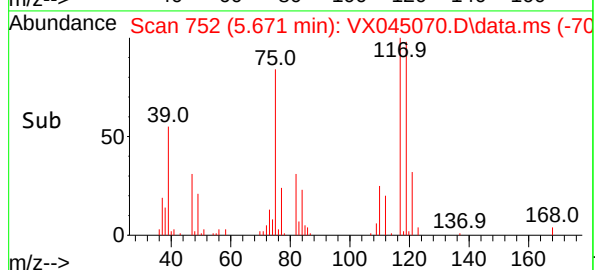
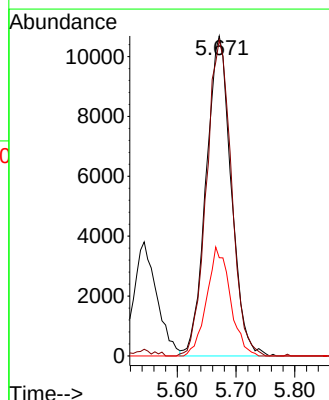
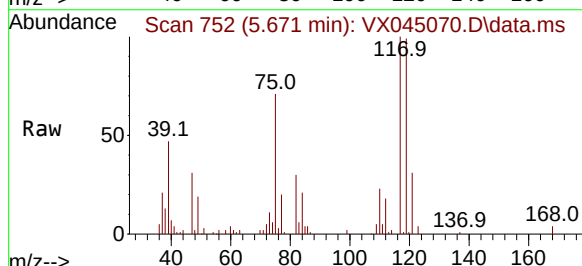
RT: 5.671 min Scan# 752

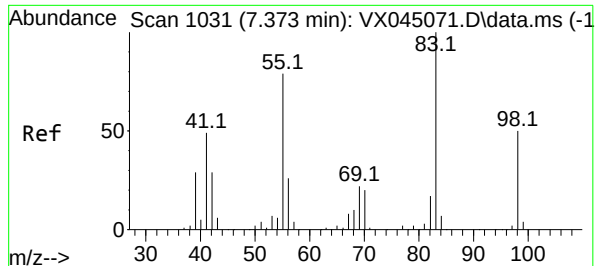
Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Tgt Ion:	117	Resp:	31694
Ion	Ratio	Lower	Upper
117	100		
119	98.7	76.7	115.1
121	30.7	25.5	38.3





#39

Methylcyclohexane

Concen: 18.676 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 83 Resp: 39769

Ion Ratio Lower Upper

83 100

55 74.6 63.0 94.4

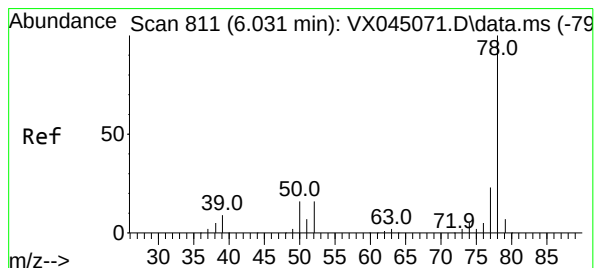
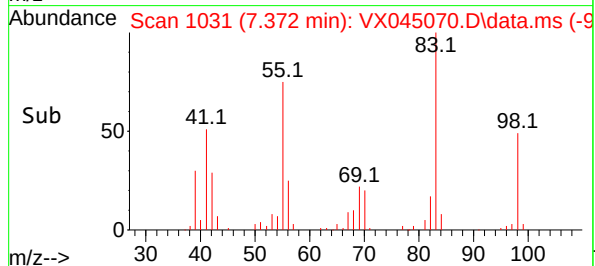
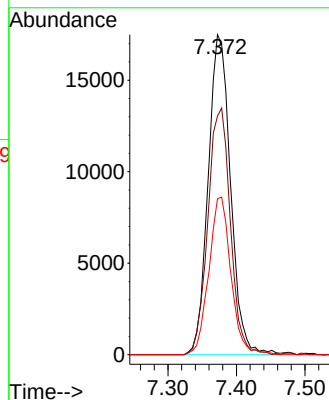
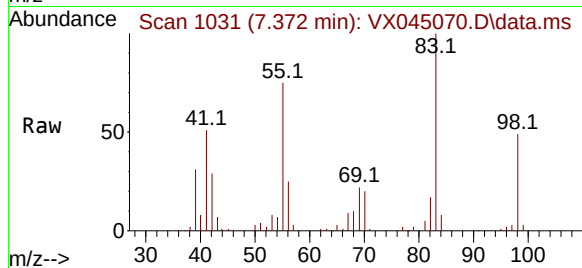
98 48.7 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :John Carbone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#40

Benzene

Concen: 20.298 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX045070.D

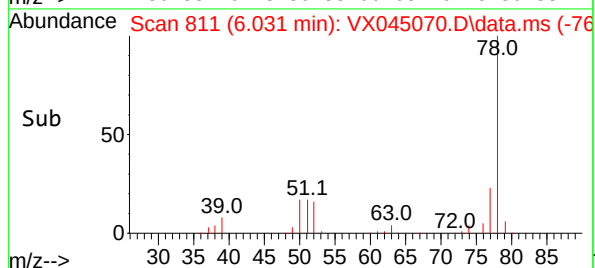
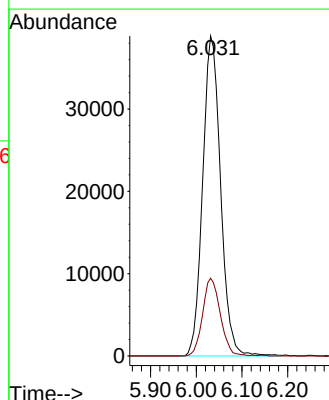
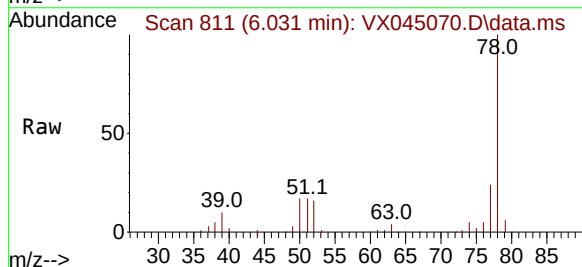
Acq: 28 Feb 2025 02:37

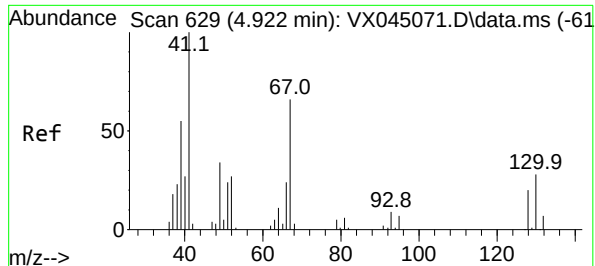
Tgt Ion: 78 Resp: 105787

Ion Ratio Lower Upper

78 100

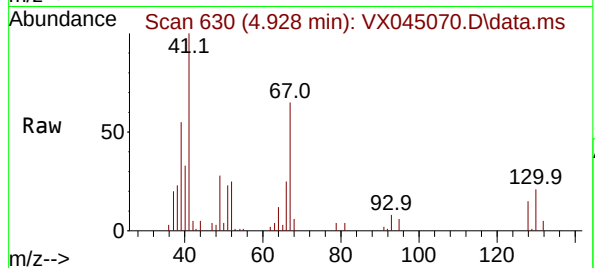
77 24.3 18.8 28.2





#41
Methacrylonitrile
Concen: 23.605 ug/l
RT: 4.928 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

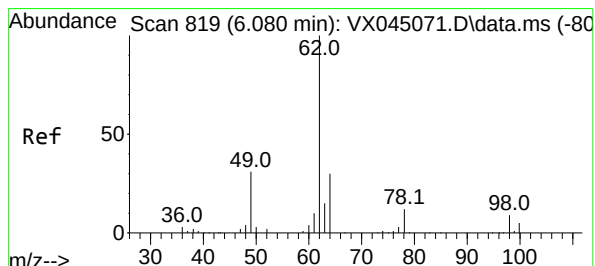
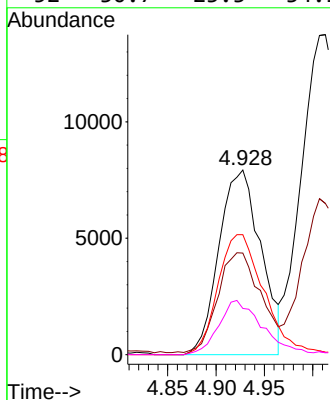
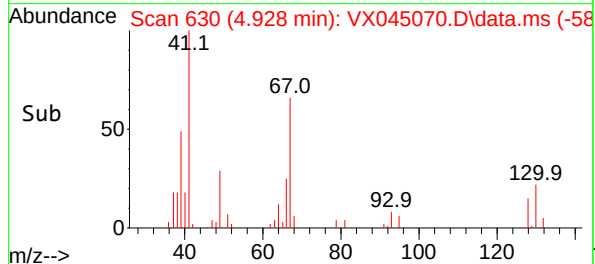
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 41 Resp: 23924
Ion Ratio Lower Upper
41 100
39 55.3 44.6 67.0
67 71.6 53.9 80.9
52 30.7 23.3 34.9

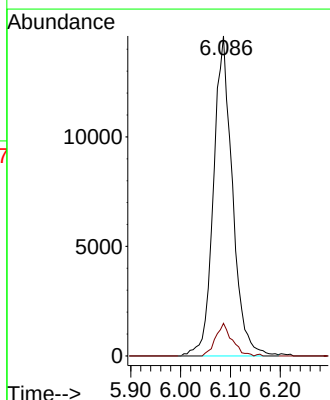
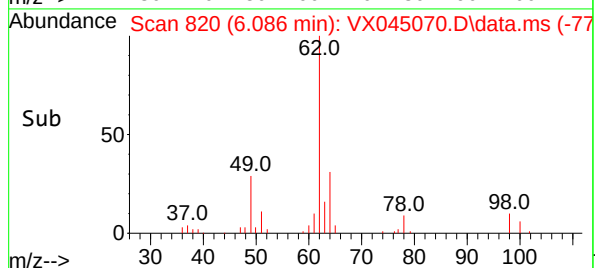
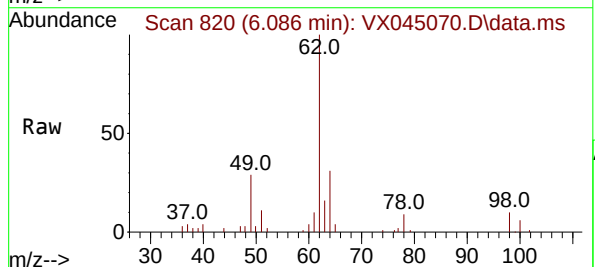
Manual Integrations
APPROVED

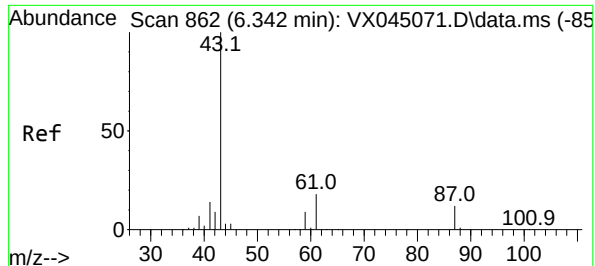
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#42
1,2-Dichloroethane
Concen: 22.886 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 62 Resp: 38653
Ion Ratio Lower Upper
62 100
98 8.8 0.0 18.2





#43

Isopropyl Acetate

Concen: 22.094 ug/l

RT: 6.348 min Scan# 863

Delta R.T. 0.006 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

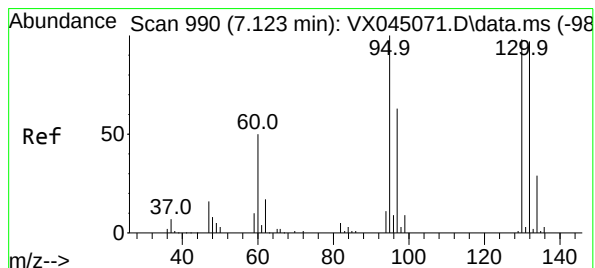
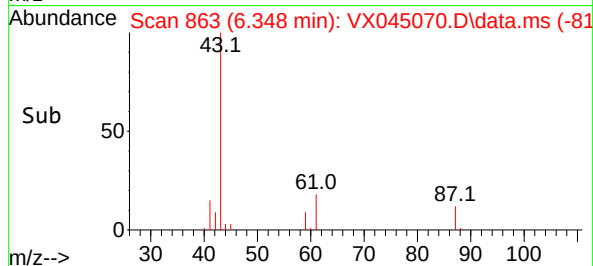
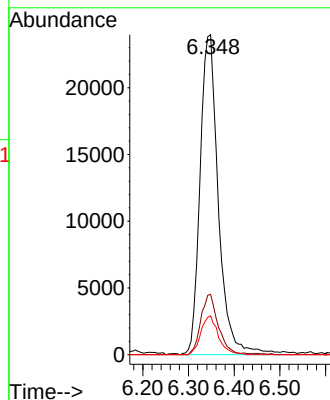
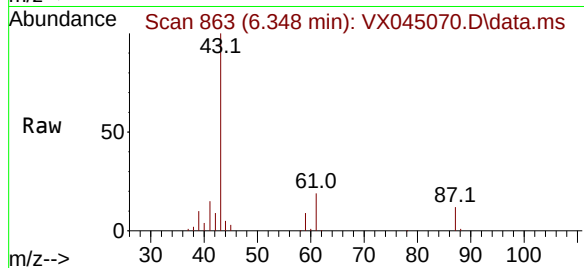
Tgt Ion:	43	Resp:	6672
Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.9	22.3
87	11.5	9.4	14.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#44

Trichloroethene

Concen: 20.191 ug/l

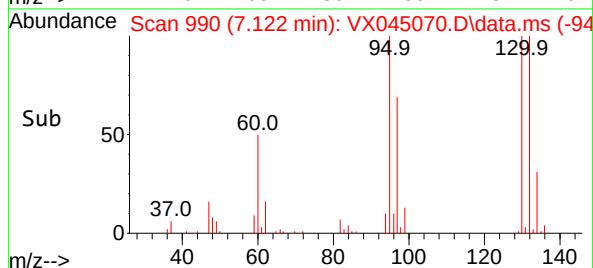
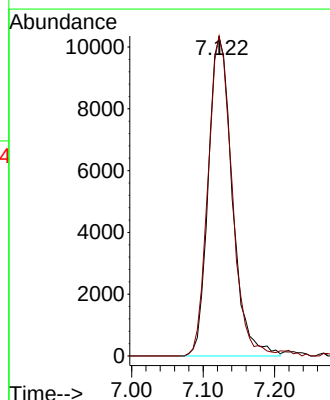
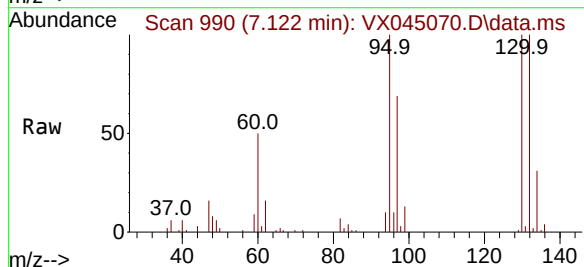
RT: 7.122 min Scan# 990

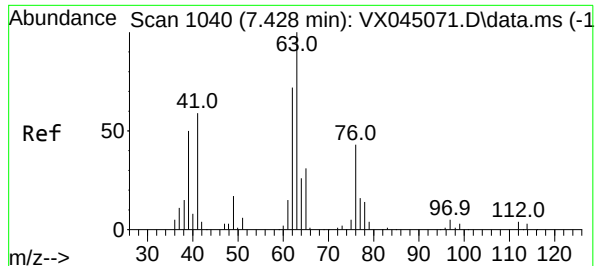
Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Tgt Ion:	130	Resp:	24052
Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	205.0





#45

1,2-Dichloropropane

Concen: 20.945 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 27128

Ion Ratio Lower Upper

63 100

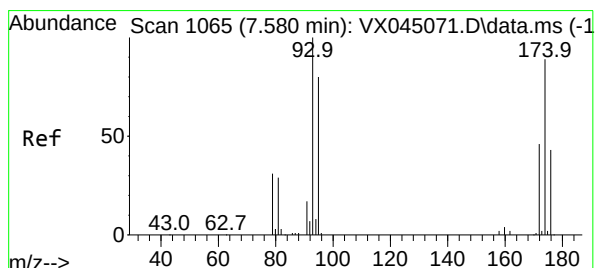
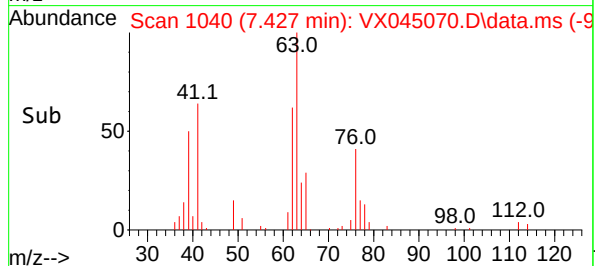
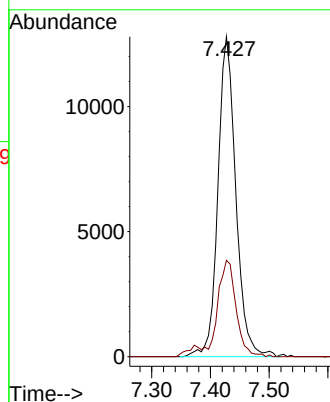
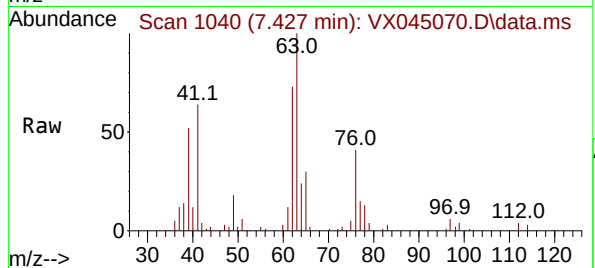
65 30.1 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#46

Dibromomethane

Concen: 21.357 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

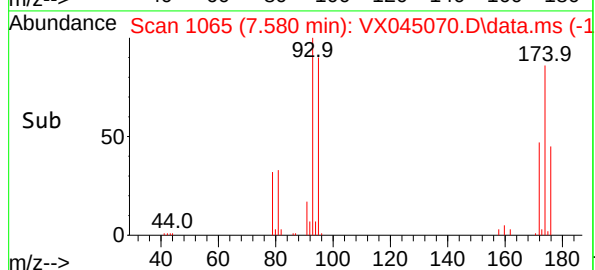
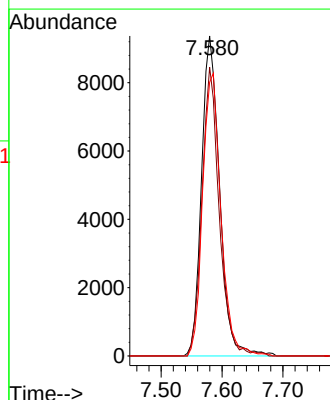
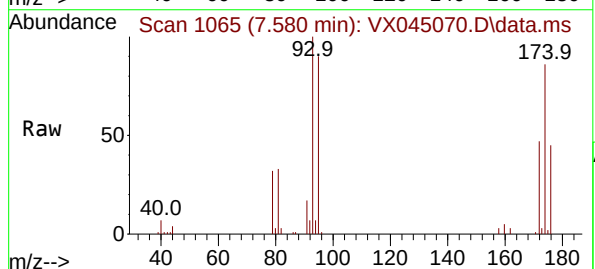
Tgt Ion: 93 Resp: 19323

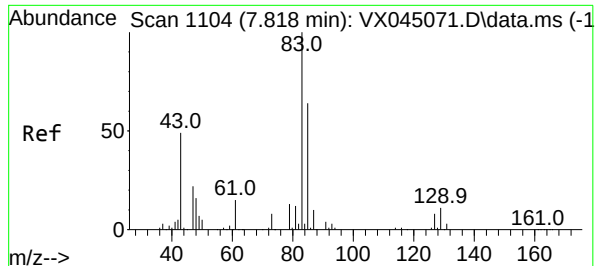
Ion Ratio Lower Upper

93 100

95 86.4 65.8 98.8

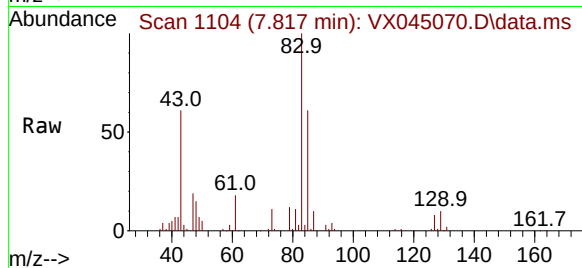
174 89.6 72.2 108.2





#47
Bromodichloromethane
Concen: 21.732 ug/l
RT: 7.817 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

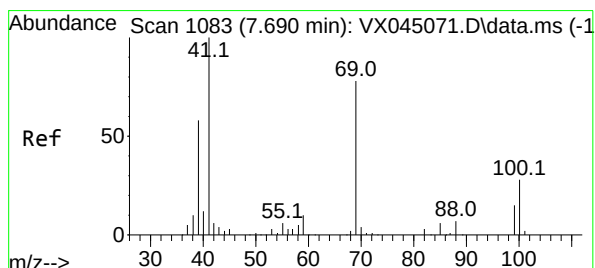
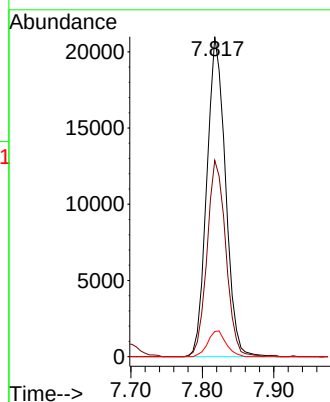
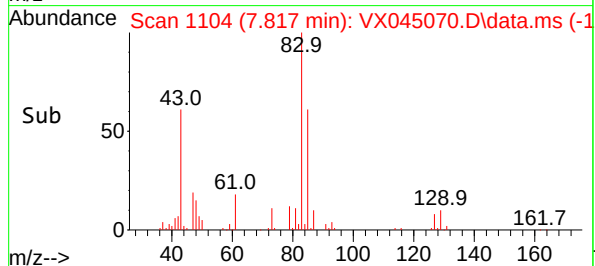
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 83 Resp: 38038
Ion Ratio Lower Upper
83 100
85 61.3 51.1 76.7
127 7.8 6.4 9.6

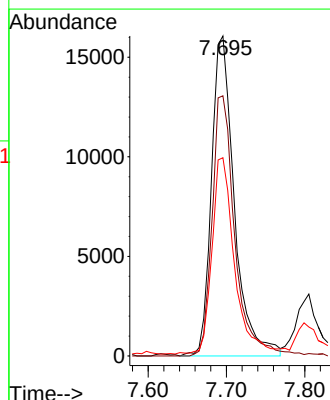
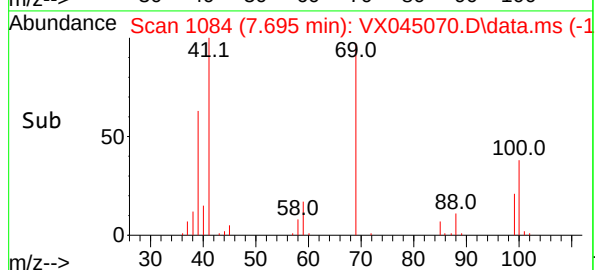
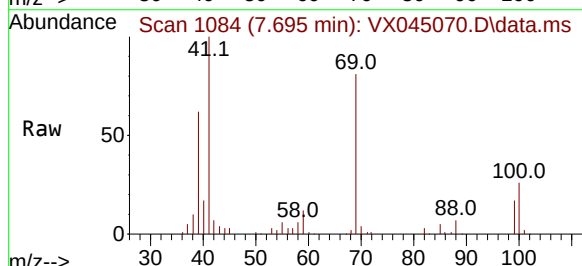
Manual Integrations
APPROVED

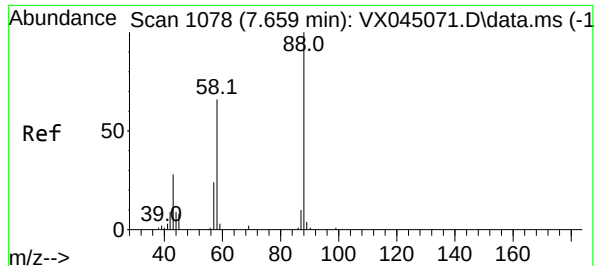
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#48
Methyl methacrylate
Concen: 22.757 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 41 Resp: 32627
Ion Ratio Lower Upper
41 100
69 81.2 63.0 94.6
39 59.8 47.5 71.3





#49

1,4-Dioxane

Concen: 479.170 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 88 Resp: 14602

Ion Ratio Lower Upper

88 100

43 38.7 28.7 43.1

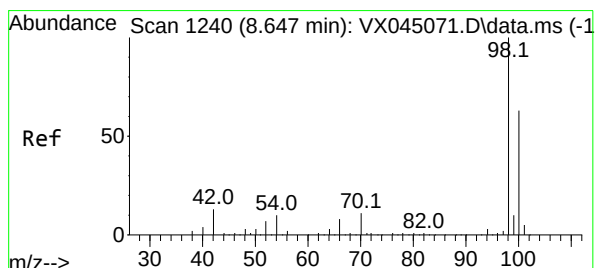
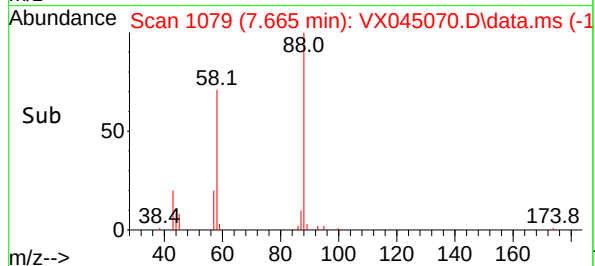
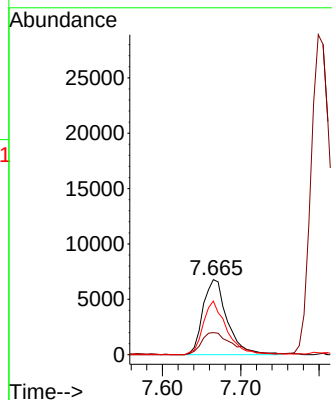
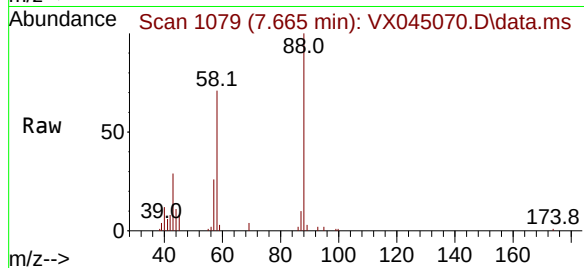
58 68.3 55.8 83.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#50

Toluene-d8

Concen: 19.469 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045070.D

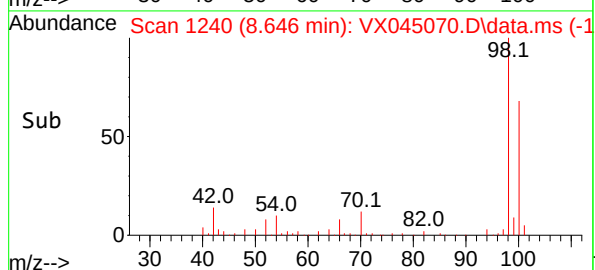
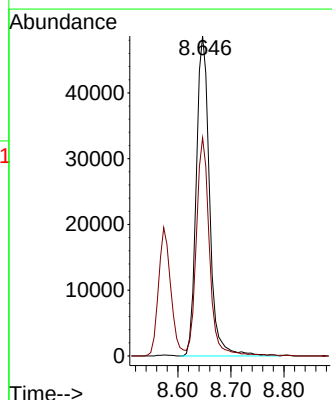
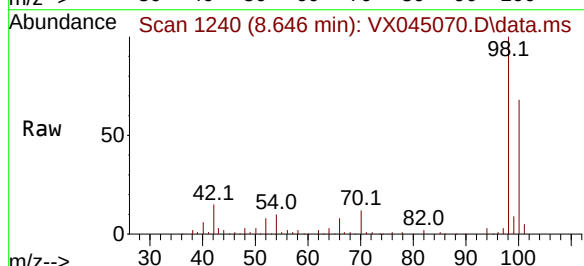
Acq: 28 Feb 2025 02:37

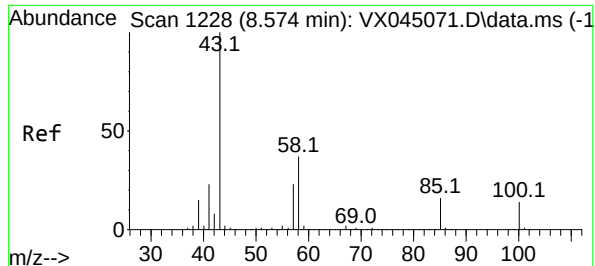
Tgt Ion: 98 Resp: 84516

Ion Ratio Lower Upper

98 100

100 67.2 52.0 78.0





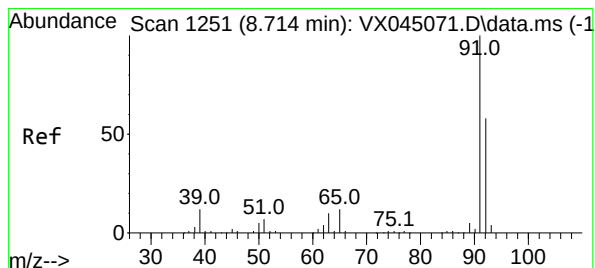
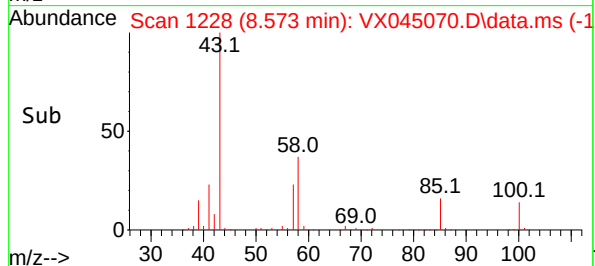
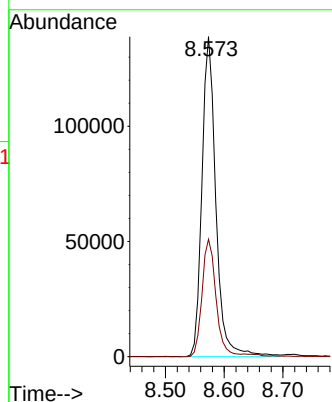
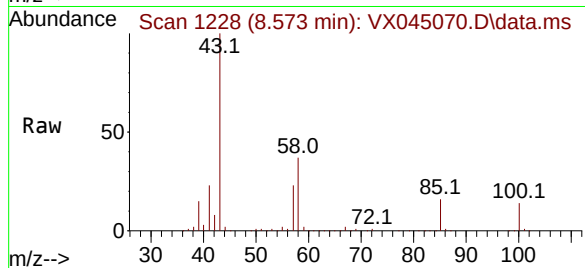
#51
4-Methyl-2-Pentanone
Concen: 124.081 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 229615
Ion Ratio Lower Upper
43 100
58 37.5 29.2 43.8

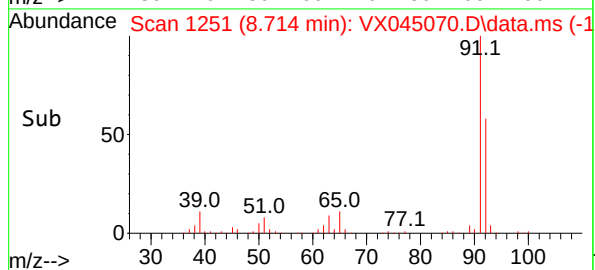
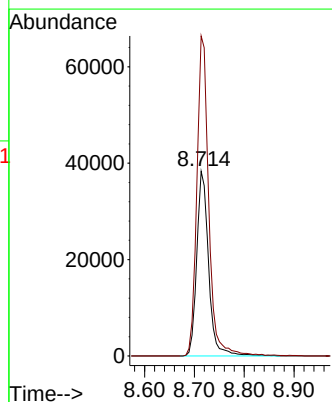
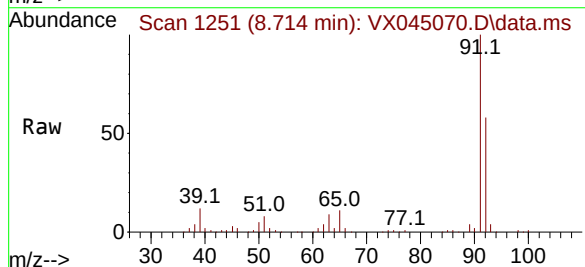
Manual Integrations
APPROVED

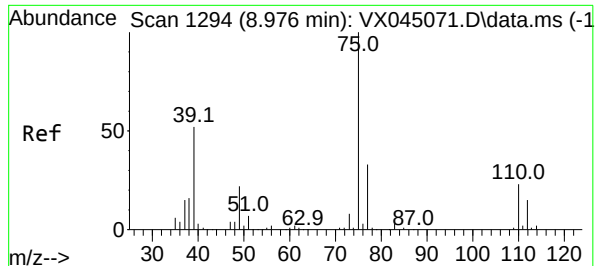
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#52
Toluene
Concen: 20.463 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 92 Resp: 63326
Ion Ratio Lower Upper
92 100
91 173.7 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 17.871 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 75 Resp: 3091

Ion Ratio Lower Upper

75 100

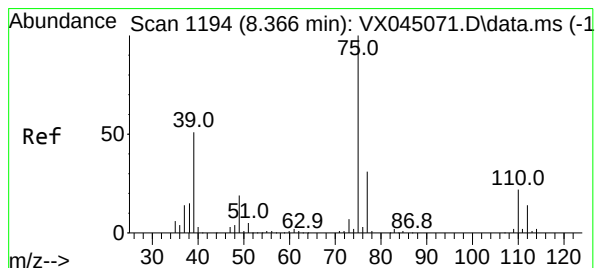
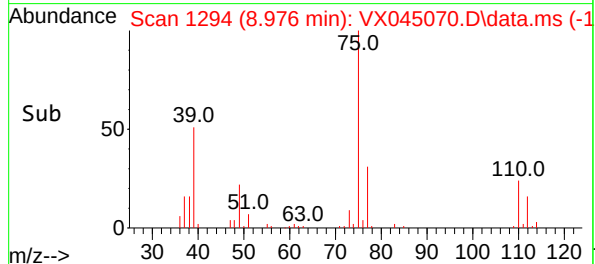
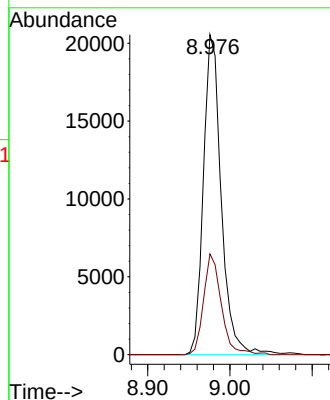
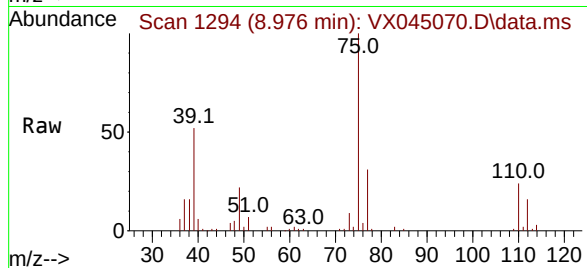
77 31.5 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#54

cis-1,3-Dichloropropene

Concen: 18.675 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

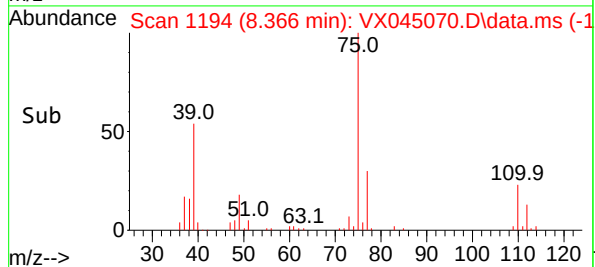
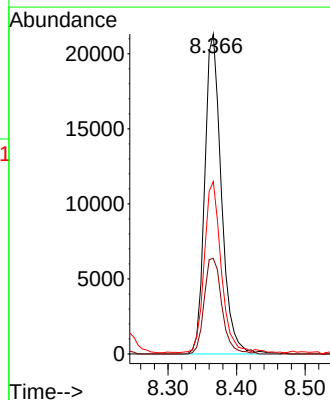
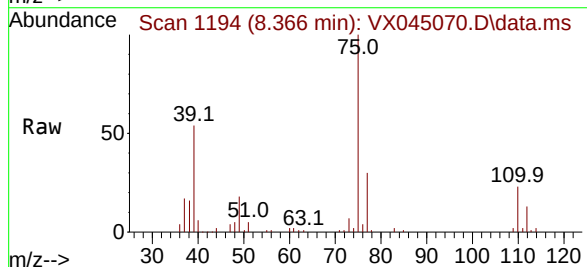
Tgt Ion: 75 Resp: 36118

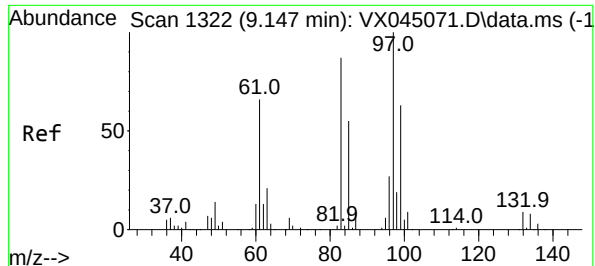
Ion Ratio Lower Upper

75 100

77 29.9 24.7 37.1

39 53.5 40.7 61.1





#55

1,1,2-Trichloroethane

Concen: 21.992 ug/l

RT: 9.152 min Scan# 1323

Delta R.T. 0.006 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 2635

Ion Ratio Lower Upper

97 100

83 86.7 69.4 104.2

85 57.3 44.1 66.1

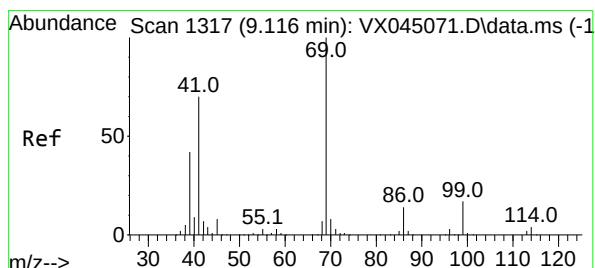
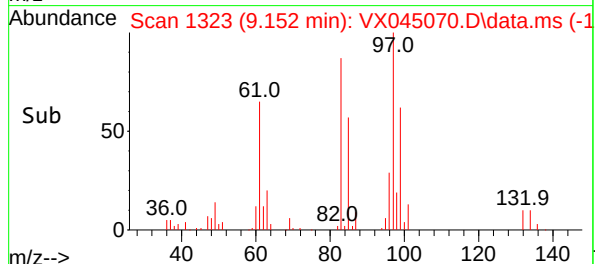
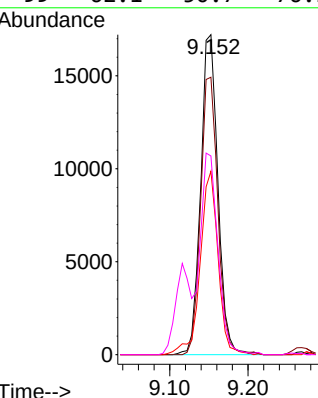
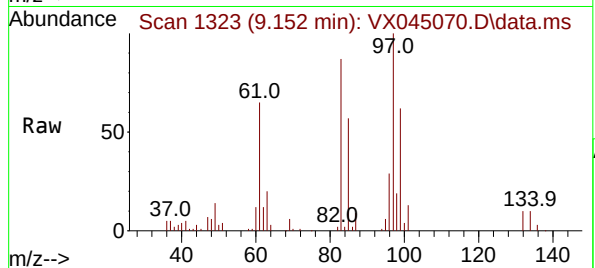
99 62.1 50.7 76.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#56

Ethyl methacrylate

Concen: 20.791 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

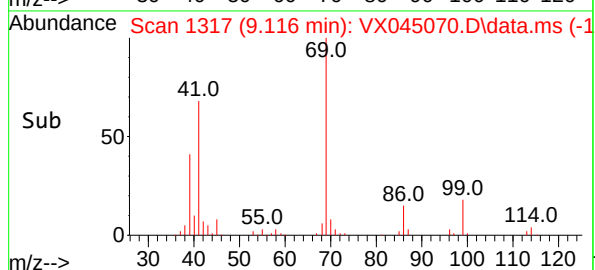
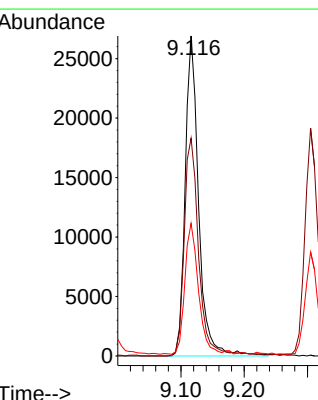
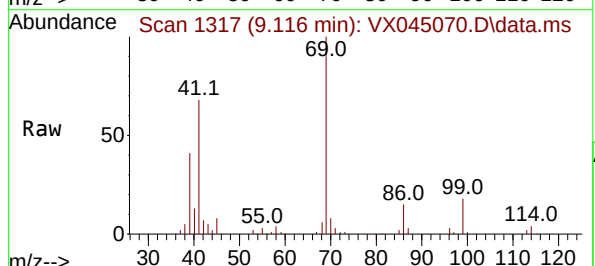
Tgt Ion: 69 Resp: 39850

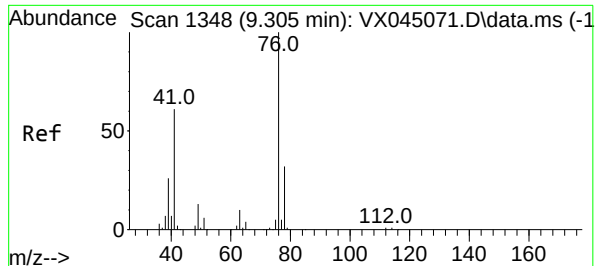
Ion Ratio Lower Upper

69 100

41 73.6 57.0 85.4

39 40.6 34.2 51.4





#57

1,3-Dichloropropane

Concen: 21.836 ug/l

RT: 9.305 min Scan# 11348

Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 4564

Ion Ratio Lower Upper

76 100

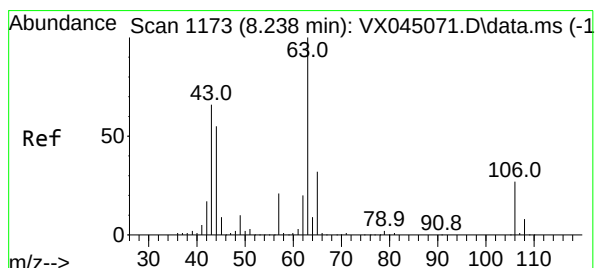
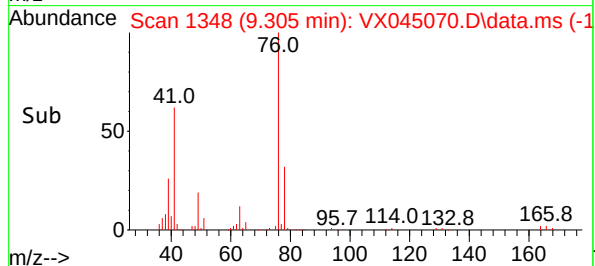
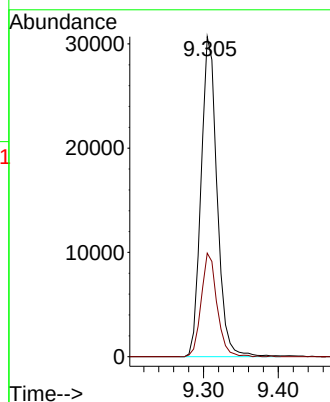
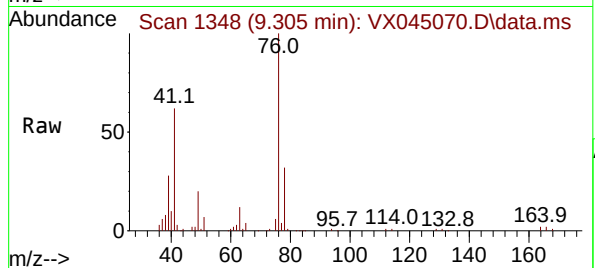
78 31.9 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#58

2-Chloroethyl Vinyl ether

Concen: 102.342 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX045070.D

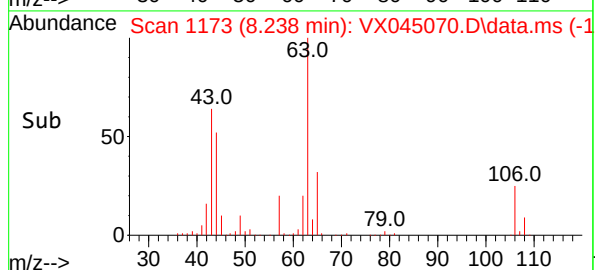
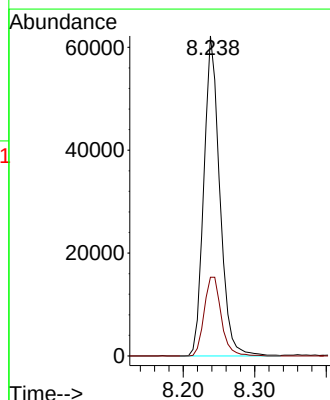
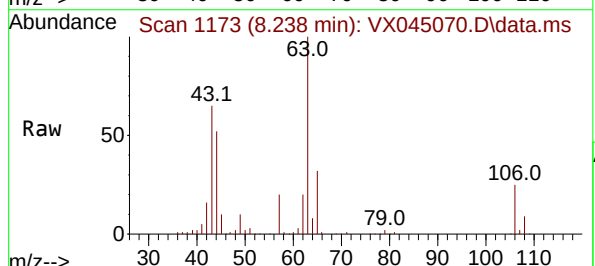
Acq: 28 Feb 2025 02:37

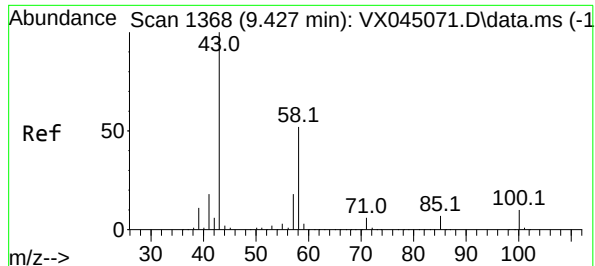
Tgt Ion: 63 Resp: 96311

Ion Ratio Lower Upper

63 100

106 26.4 21.5 32.3





#59

2-Hexanone

Concen: 126.428 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 168768

Ion Ratio Lower Upper

43 100

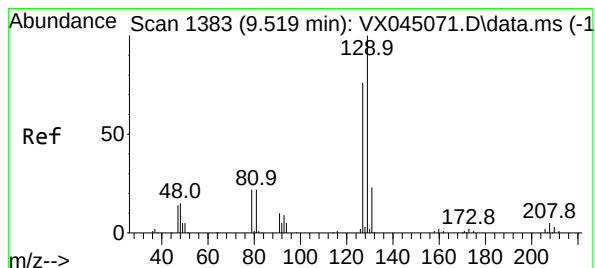
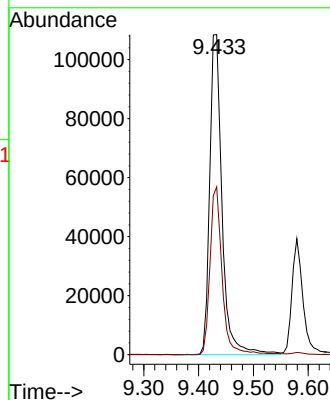
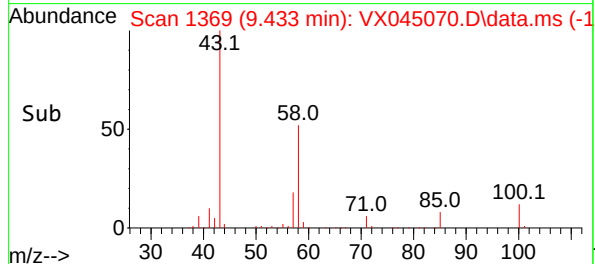
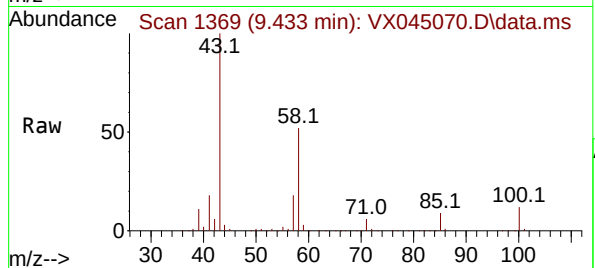
58 51.6 25.9 77.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#60

Dibromochloromethane

Concen: 21.668 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX045070.D

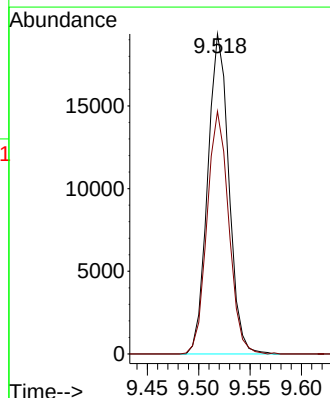
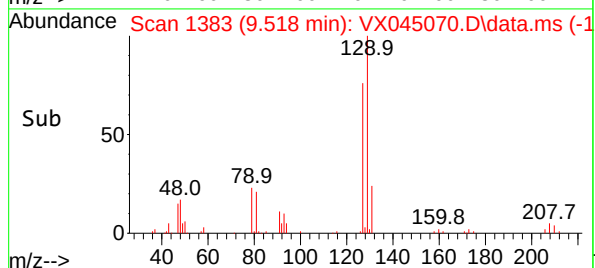
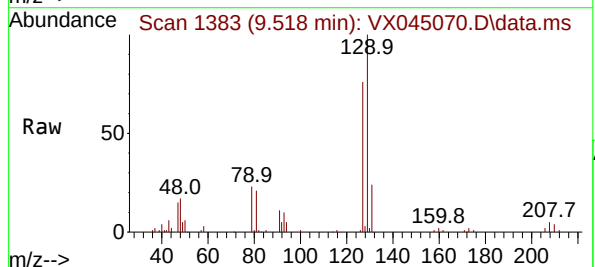
Acq: 28 Feb 2025 02:37

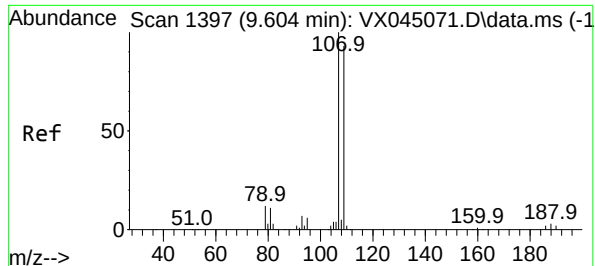
Tgt Ion:129 Resp: 27705

Ion Ratio Lower Upper

129 100

127 77.8 38.5 115.5





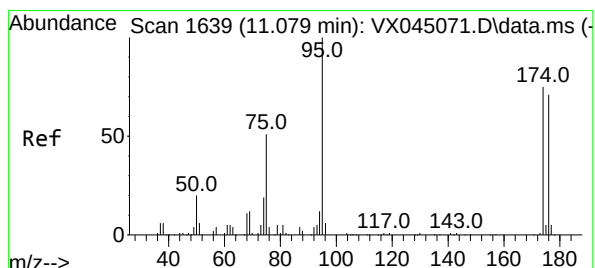
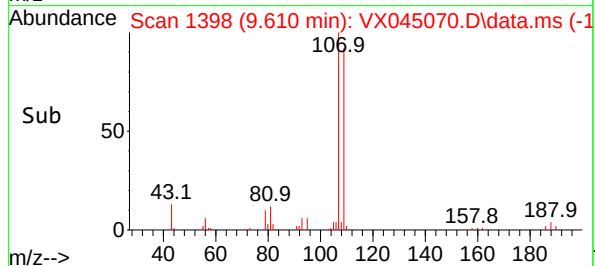
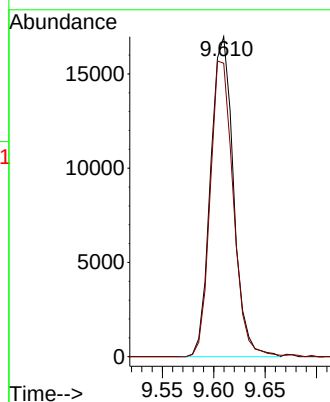
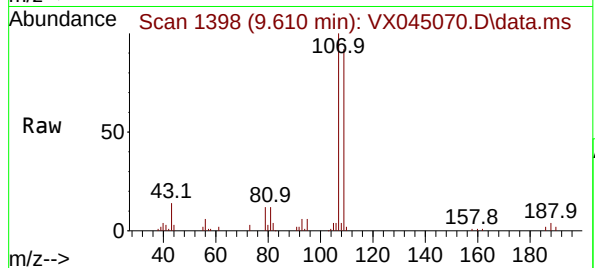
#61
1,2-Dibromoethane
Concen: 21.764 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:107 Resp: 2631
Ion Ratio Lower Upper
107 100
109 93.3 76.1 114.1

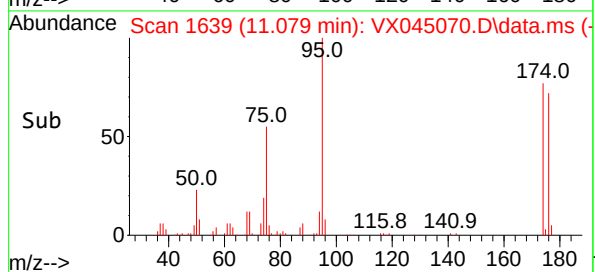
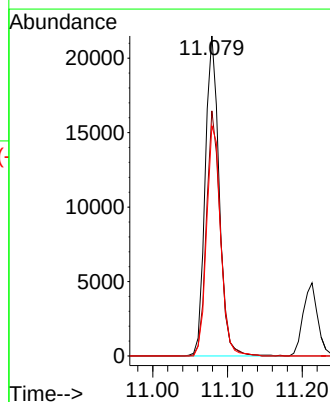
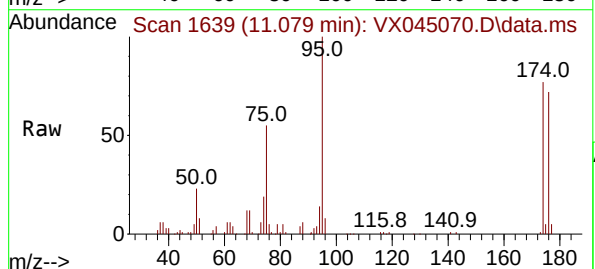
Manual Integrations
APPROVED

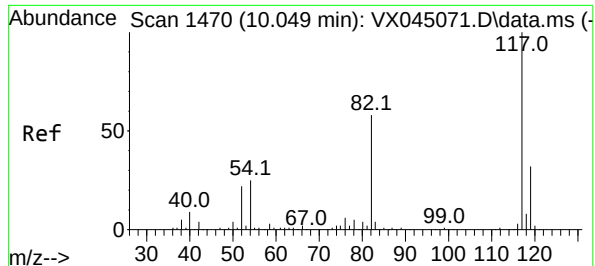
Reviewed By :John Carbone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#62
4-Bromofluorobenzene
Concen: 19.215 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 95 Resp: 27856
Ion Ratio Lower Upper
95 100
174 76.1 0.0 148.2
176 72.8 0.0 141.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:117 Resp: 157714

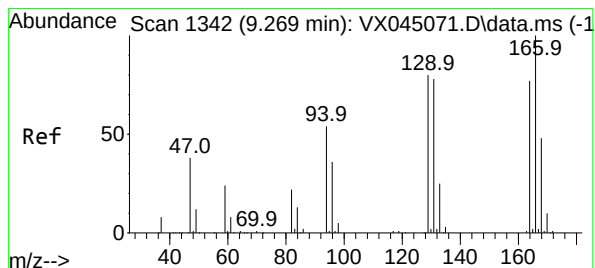
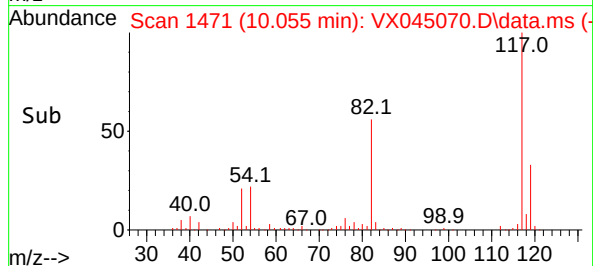
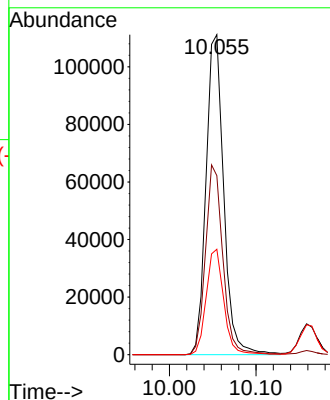
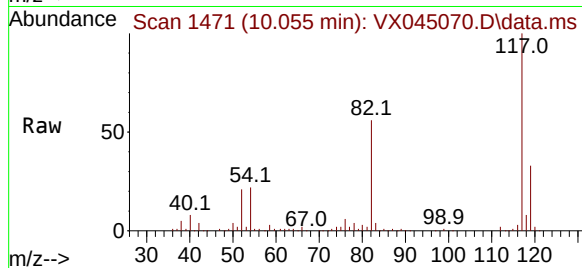
Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.3	69.5
119	33.0	25.7	38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#64

Tetrachloroethene

Concen: 20.102 ug/l

RT: 9.268 min Scan# 1342

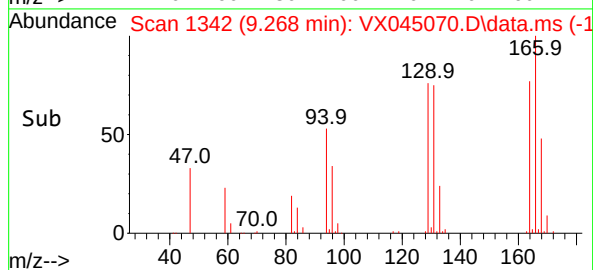
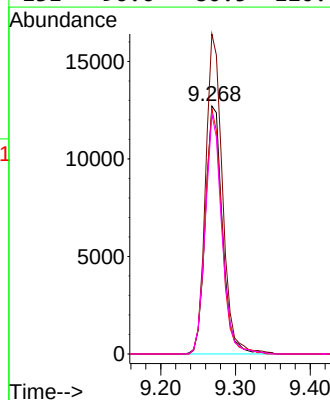
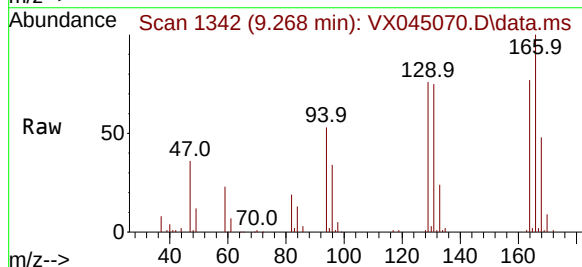
Delta R.T. -0.000 min

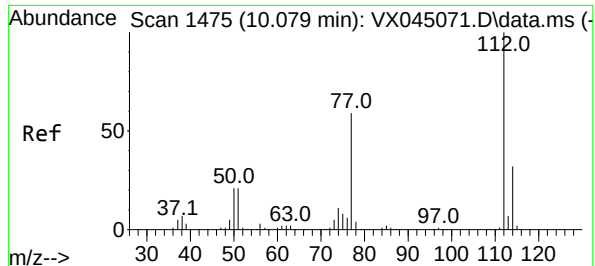
Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Tgt Ion:164 Resp: 20140

Ion	Ratio	Lower	Upper
164	100		
166	129.1	103.6	155.4
129	98.7	82.7	124.1
131	96.6	80.5	120.7





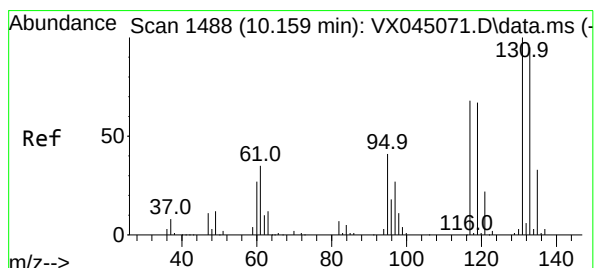
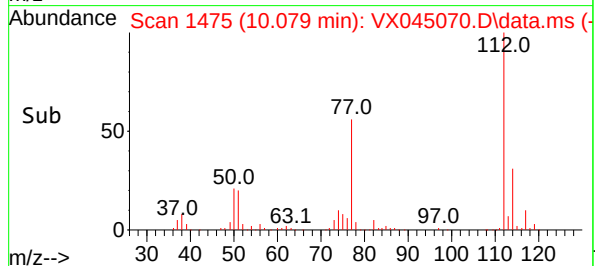
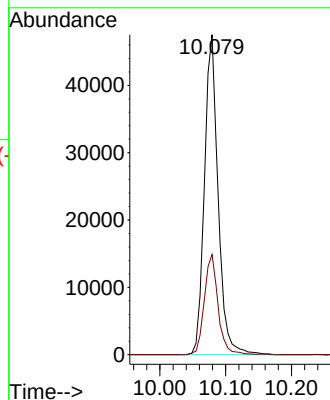
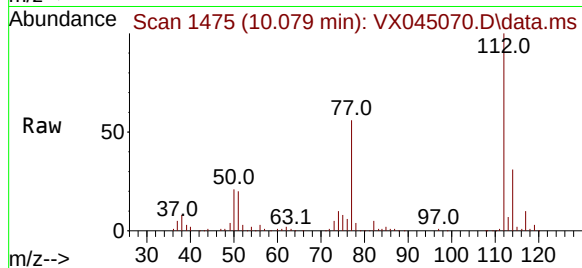
#65
Chlorobenzene
Concen: 20.316 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:112 Resp: 6877
Ion Ratio Lower Upper
112 100
114 31.3 26.0 39.0

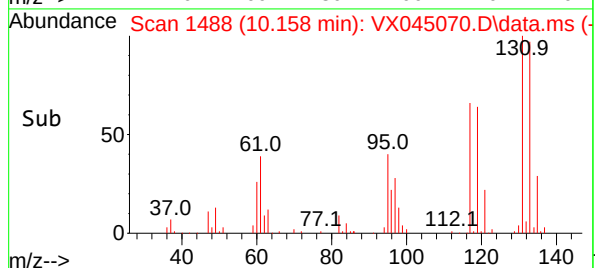
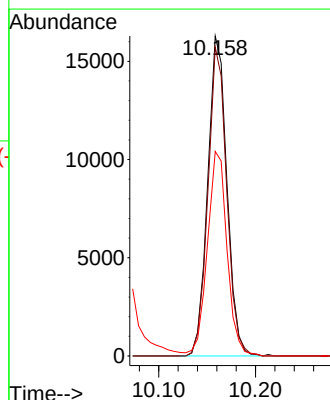
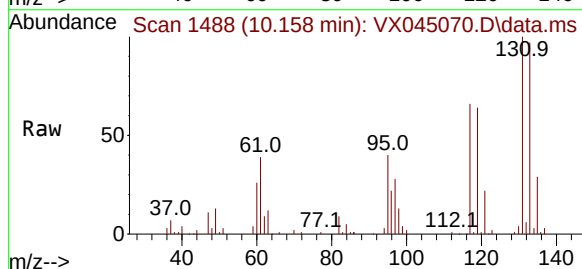
Manual Integrations
APPROVED

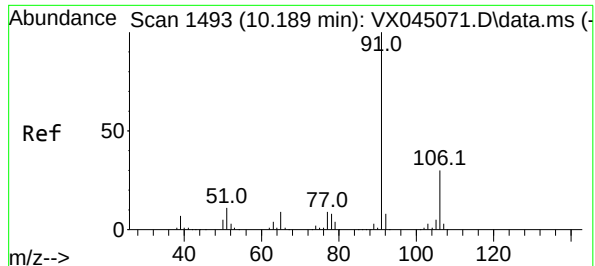
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 20.627 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:131 Resp: 22508
Ion Ratio Lower Upper
131 100
133 94.6 48.6 145.9
119 65.4 33.9 101.7





#67

Ethyl Benzene

Concen: 19.905 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 11916

Ion Ratio Lower Upper

91 100

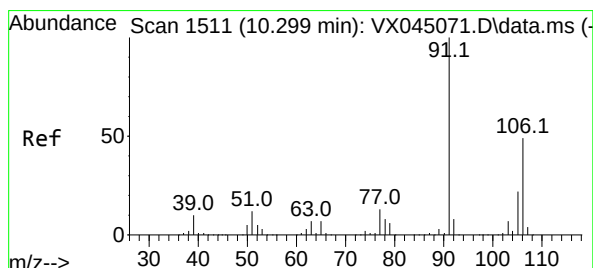
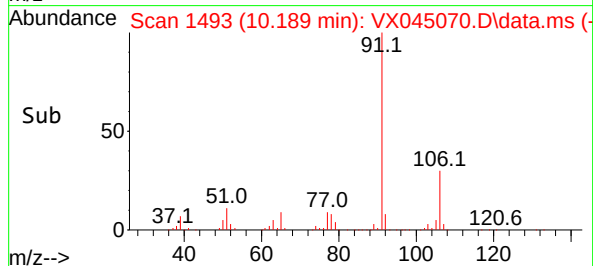
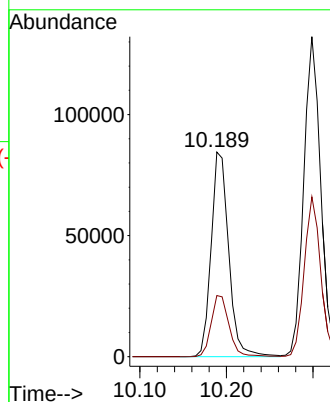
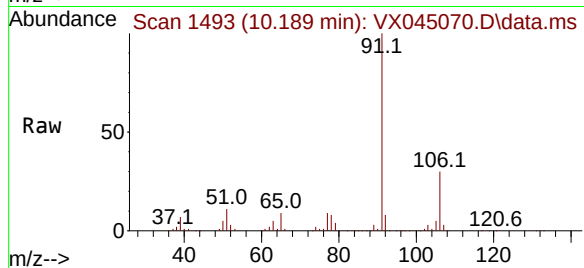
106 29.9 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#68

m/p-Xylenes

Concen: 40.699 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX045070.D

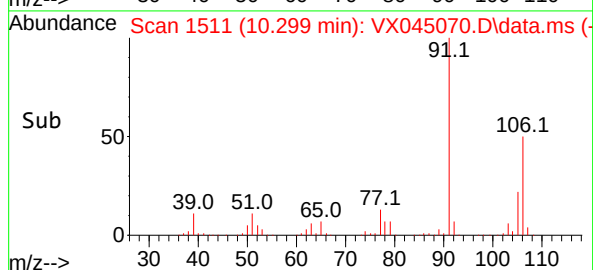
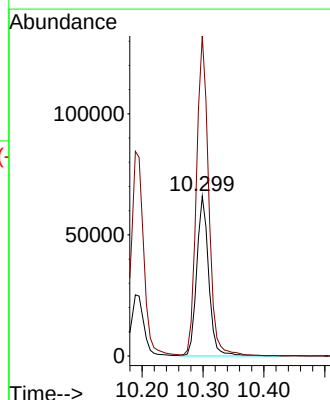
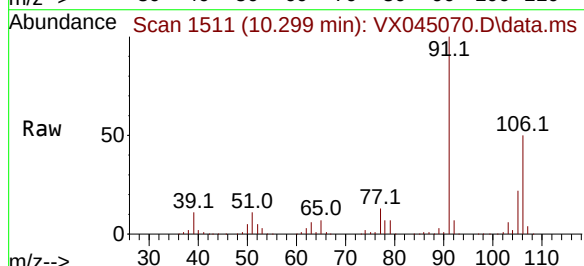
Acq: 28 Feb 2025 02:37

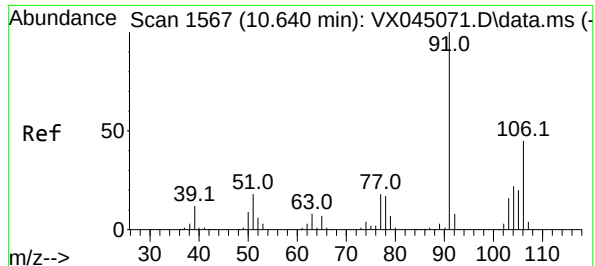
Tgt Ion:106 Resp: 89735

Ion Ratio Lower Upper

106 100

91 204.2 165.4 248.0





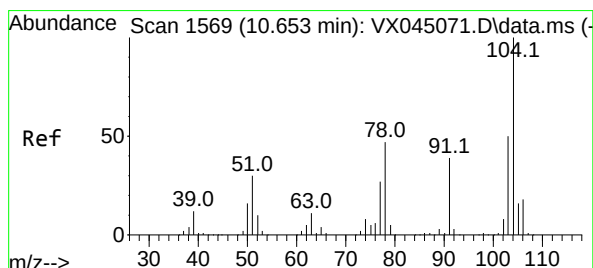
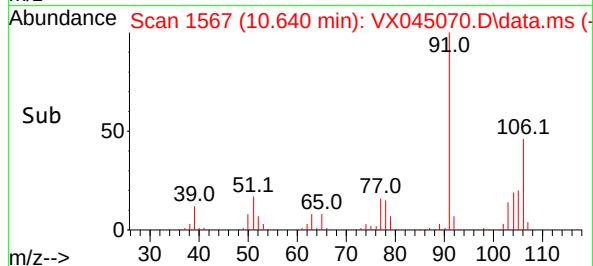
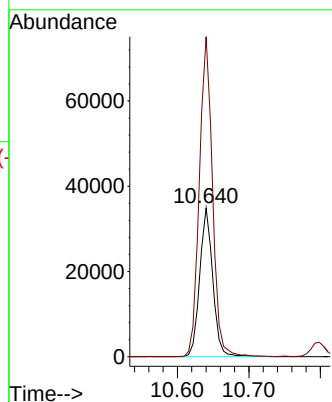
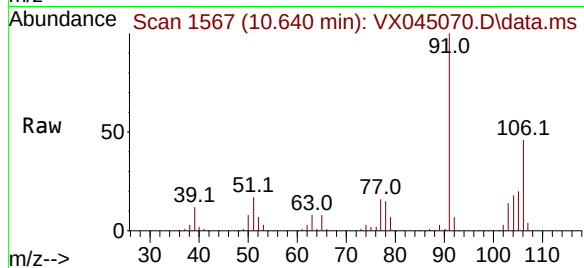
#69
o-Xylene
Concen: 20.018 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 4428
Ion Ratio Lower Upper
106 100
91 216.8 109.9 329.6

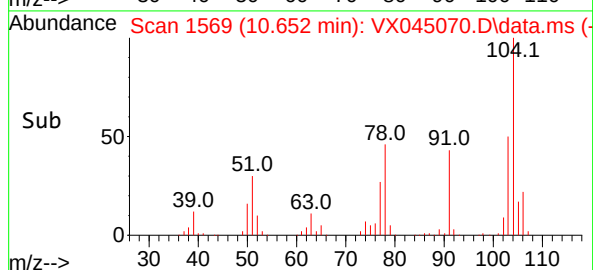
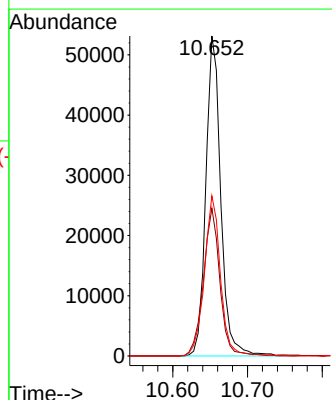
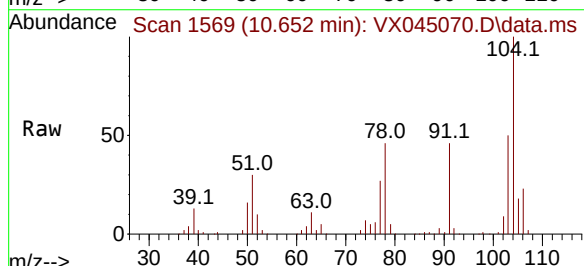
Manual Integrations
APPROVED

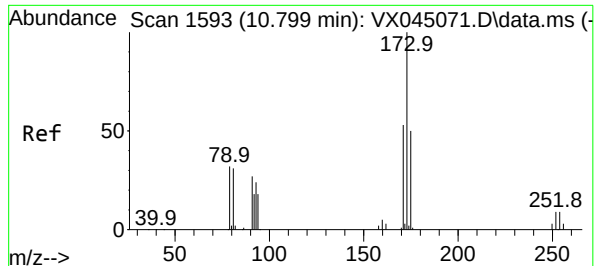
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#70
Styrene
Concen: 20.767 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

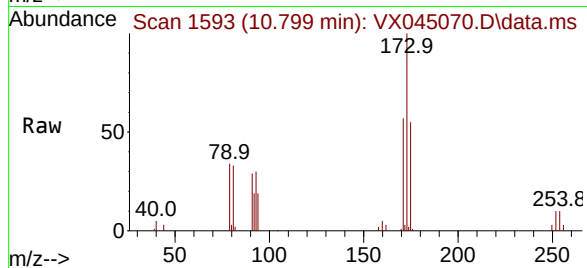
Tgt Ion:104 Resp: 73832
Ion Ratio Lower Upper
104 100
78 50.9 42.2 63.4
103 54.1 43.8 65.8





#71
Bromoform
Concen: 21.449 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

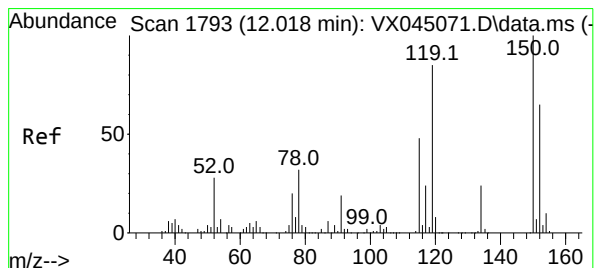
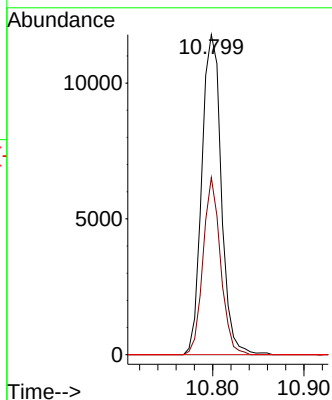
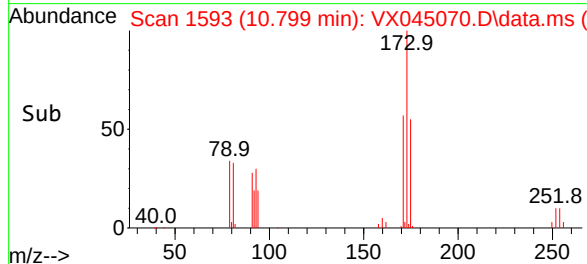
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:173 Resp: 1740
Ion Ratio Lower Upper
173 100
175 49.7 24.6 73.6
254 0.0 0.0 0.0

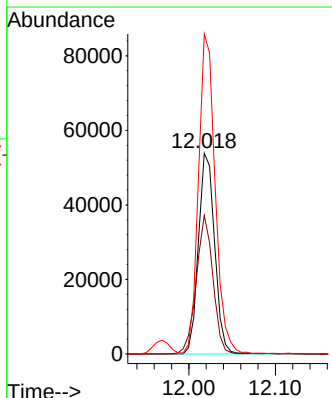
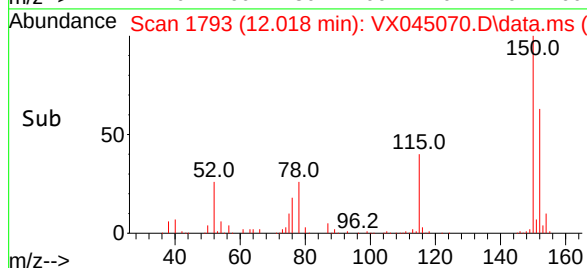
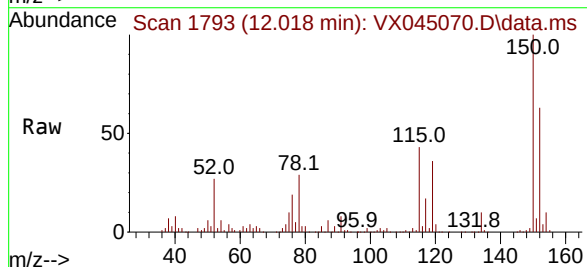
Manual Integrations
APPROVED

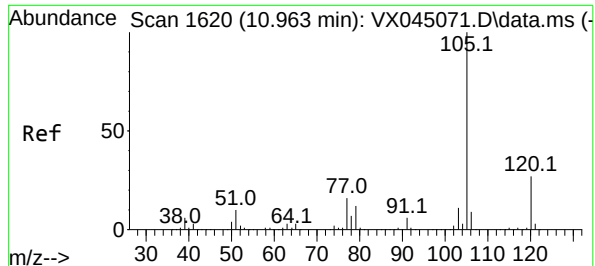
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

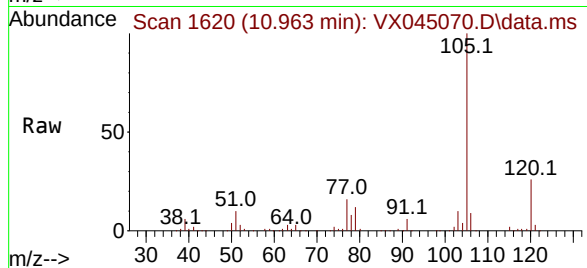
Tgt Ion:152 Resp: 70072
Ion Ratio Lower Upper
152 100
115 70.9 44.2 132.6
150 163.4 0.0 349.0





#73
Isopropylbenzene
Concen: 19.794 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

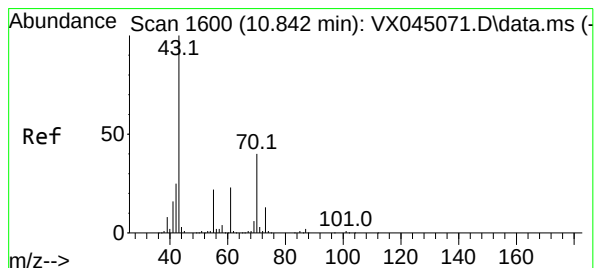
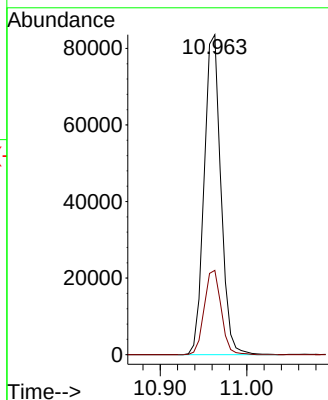
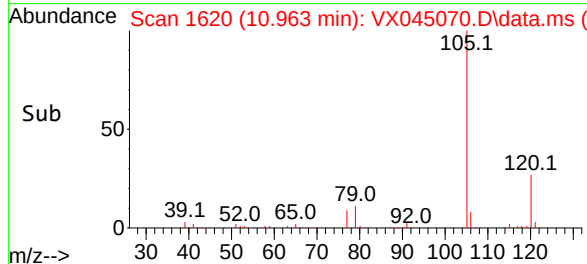
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:105 Resp: 112099
Ion Ratio Lower Upper
105 100
120 26.7 13.2 39.5

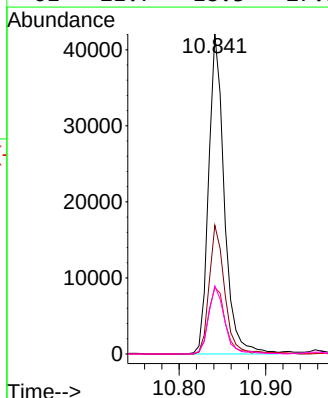
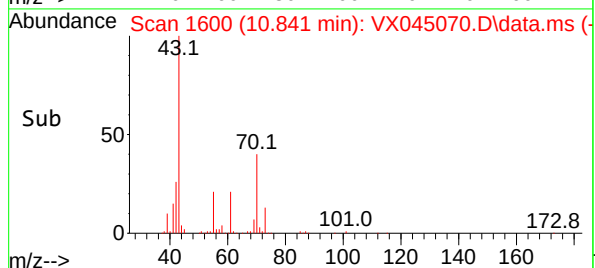
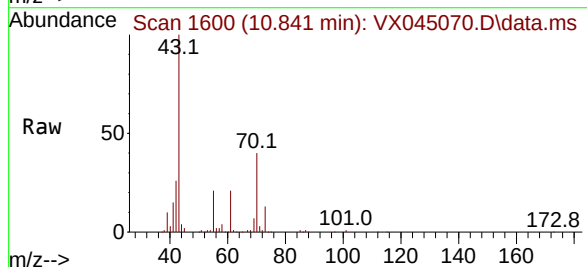
Manual Integrations
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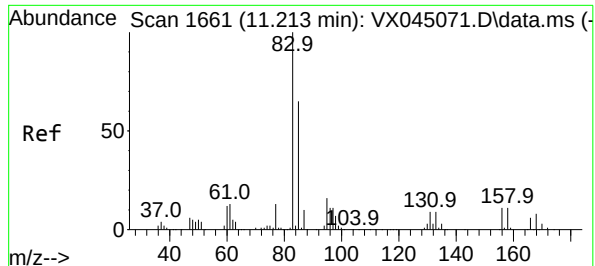
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#74
N-ethyl acetate
Concen: 20.606 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 52972
Ion Ratio Lower Upper
43 100
70 40.0 31.8 47.6
55 23.0 18.3 27.5
61 21.7 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.738 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

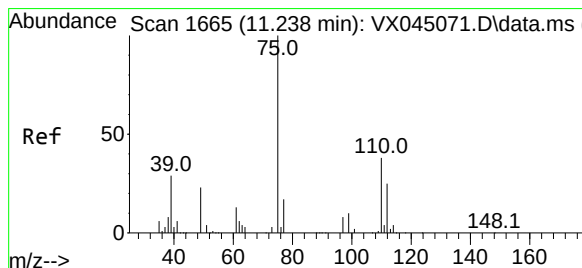
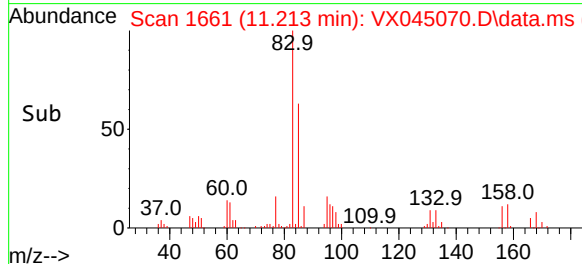
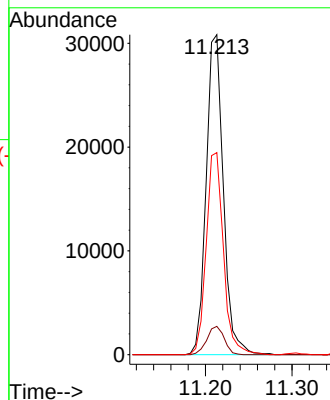
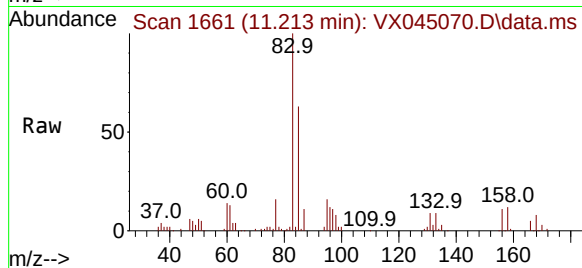
Tgt Ion:	83	Resp:	4241
Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.4
85	63.4	31.7	95.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#76

1,2,3-Trichloropropane

Concen: 21.394 ug/l m

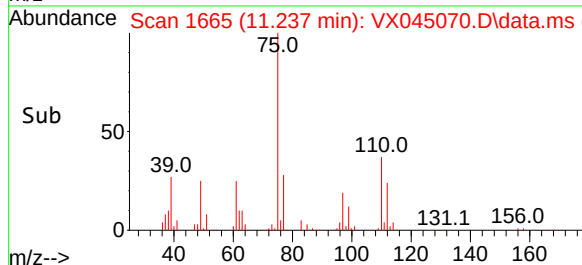
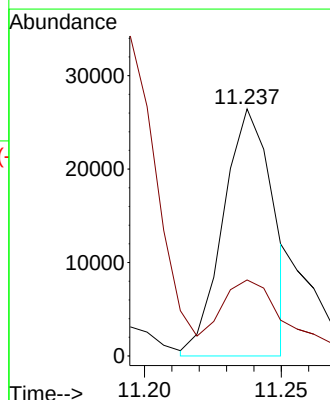
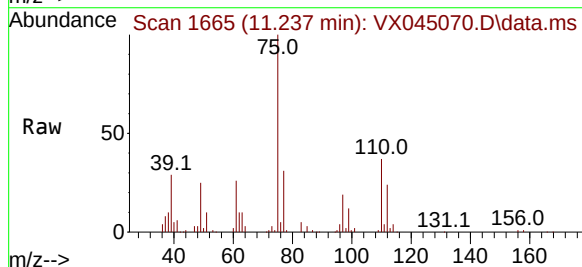
RT: 11.237 min Scan# 1665

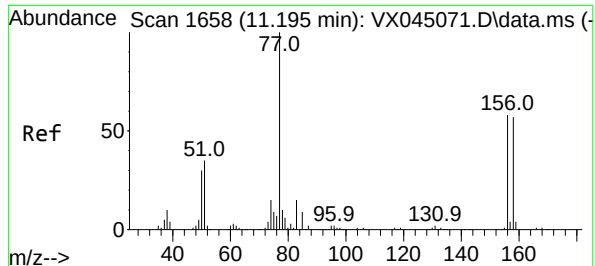
Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

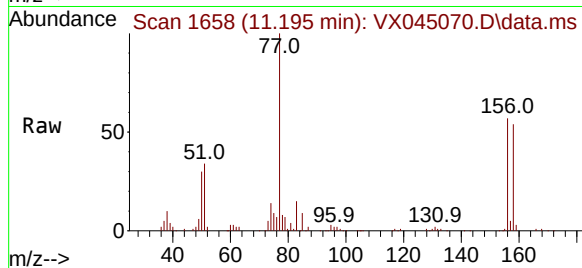
Tgt Ion:	75	Resp:	33440
Ion	Ratio	Lower	Upper
75	100		
77	40.6	20.7	62.1





#77
Bromobenzene
Concen: 20.466 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

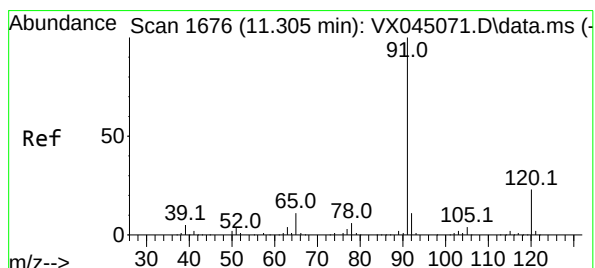
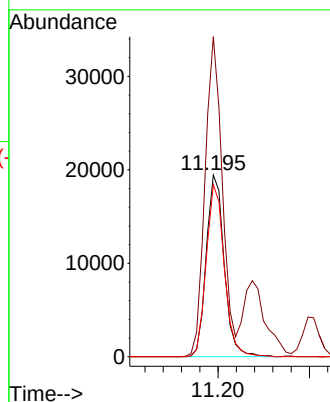
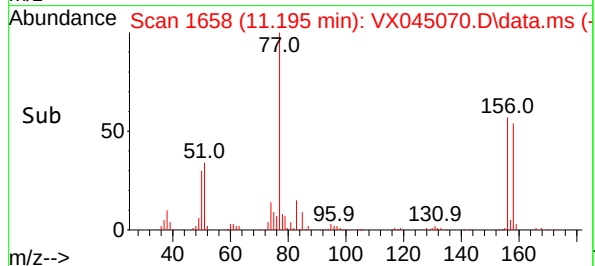
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



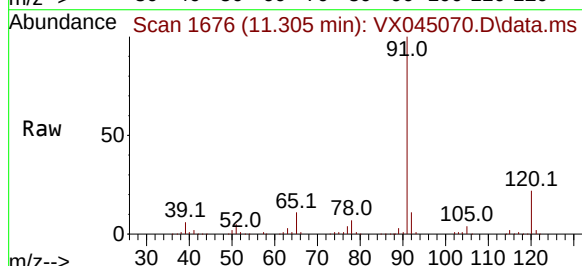
Tgt Ion:156 Resp: 26310
Ion Ratio Lower Upper
156 100
77 170.2 85.8 257.4
158 95.9 48.4 145.2

Manual Integrations
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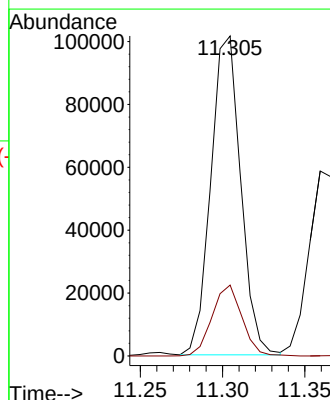
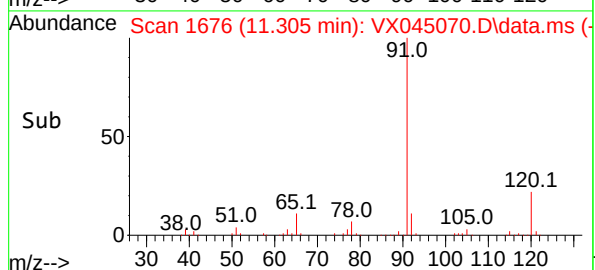
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

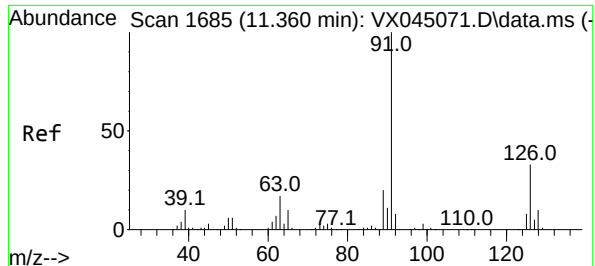


#78
n-propylbenzene
Concen: 19.641 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37



Tgt Ion: 91 Resp: 128284
Ion Ratio Lower Upper
91 100
120 22.3 11.2 33.6





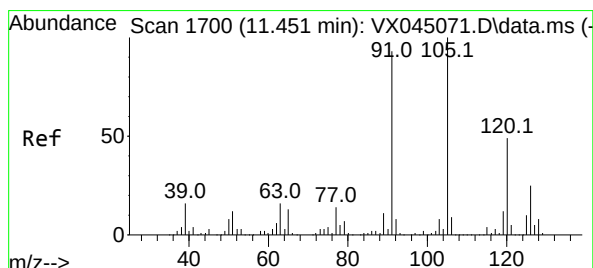
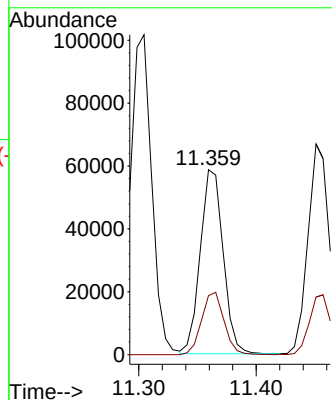
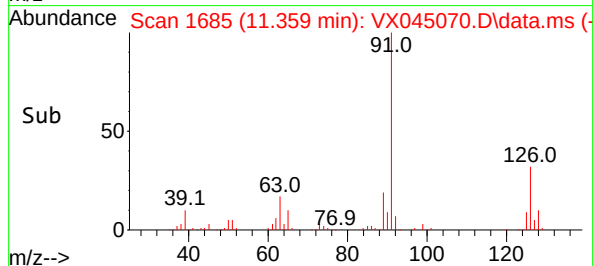
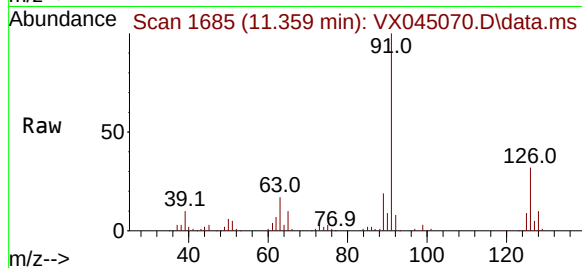
#79
2-Chlorotoluene
Concen: 19.775 ug/l
RT: 11.359 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 79275
Ion Ratio Lower Upper
91 100
126 33.1 16.4 49.4

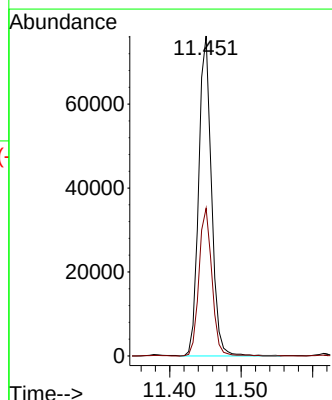
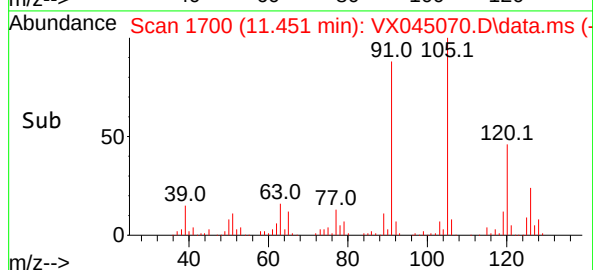
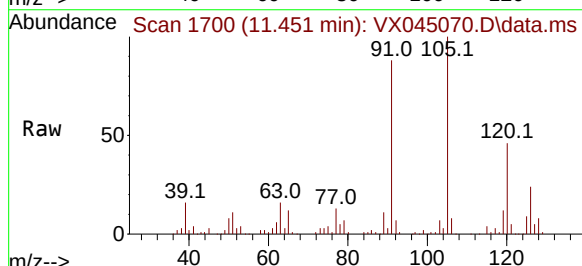
Manual Integrations
APPROVED

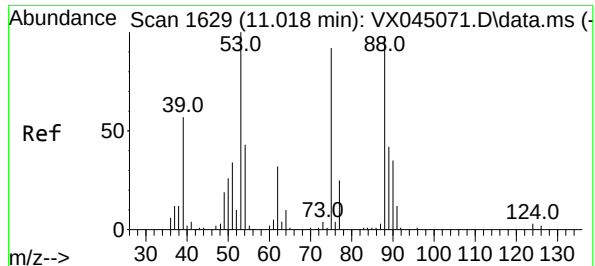
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#80
1,3,5-Trimethylbenzene
Concen: 20.581 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

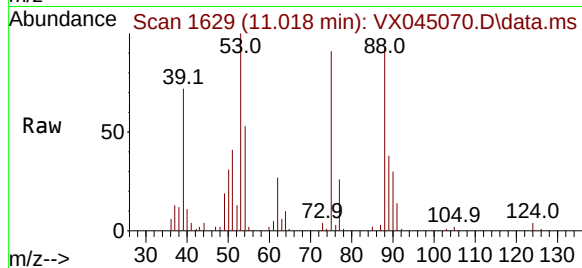
Tgt Ion:105 Resp: 94545
Ion Ratio Lower Upper
105 100
120 46.8 24.1 72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 15.196 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

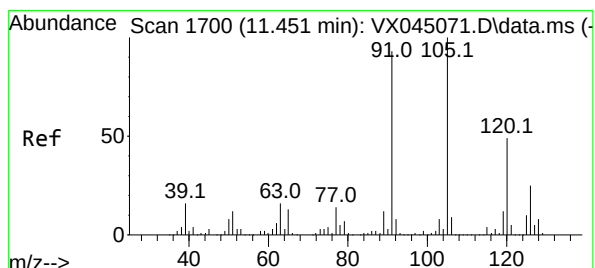
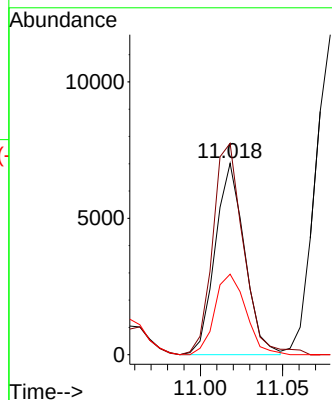
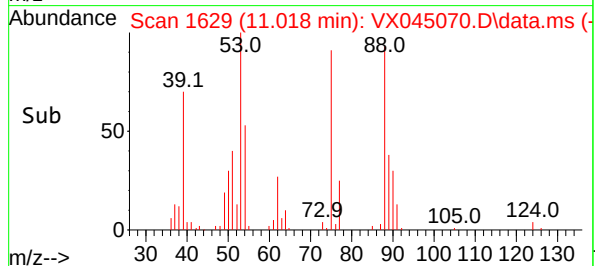
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020



Tgt Ion: 75 Resp: 8759
Ion Ratio Lower Upper
75 100
53 115.4 88.5 132.7
89 44.3 36.2 54.4

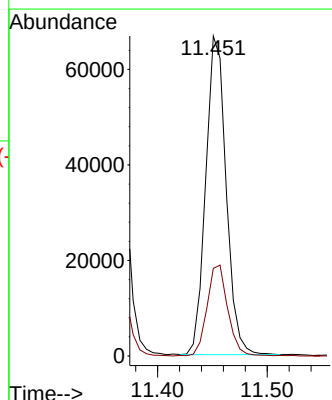
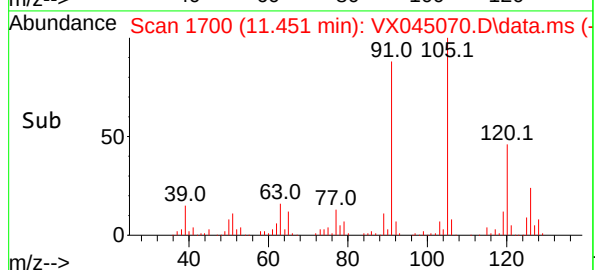
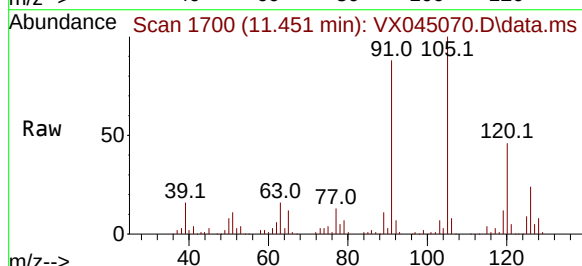
Manual Integrations
APPROVED

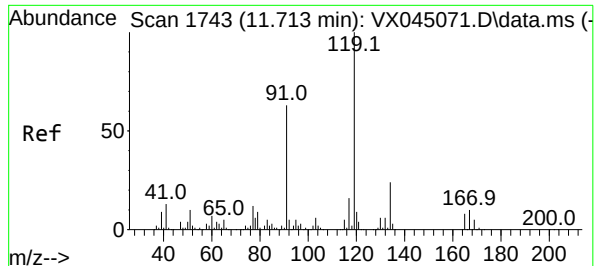
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#82
4-Chlorotoluene
Concen: 19.443 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

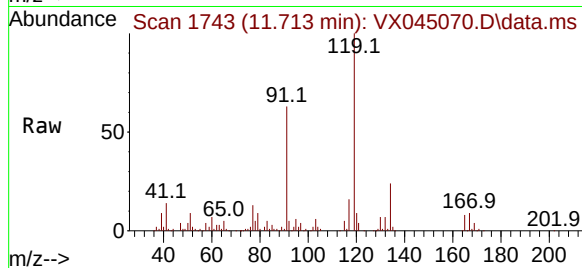
Tgt Ion: 91 Resp: 86281
Ion Ratio Lower Upper
91 100
126 29.1 14.1 42.4





#83
tert-Butylbenzene
Concen: 20.159 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

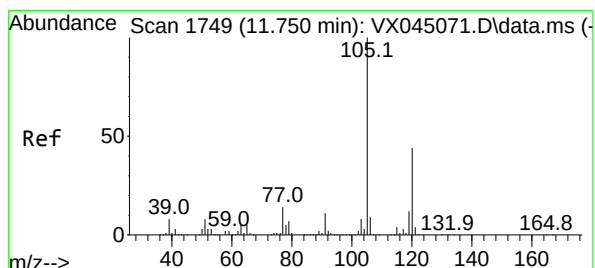
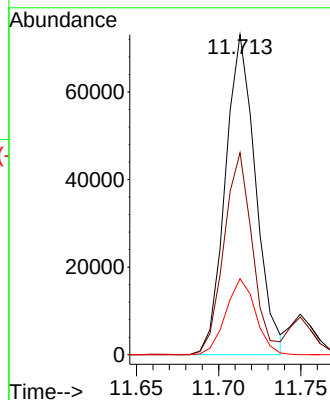
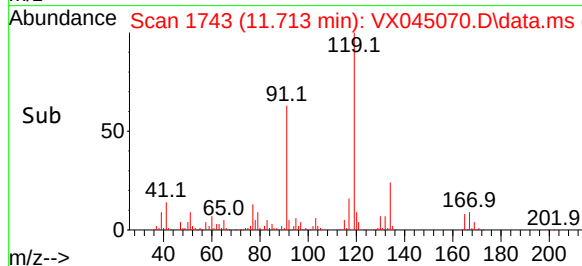
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:119 Resp: 93670
Ion Ratio Lower Upper
119 100
91 60.0 30.7 92.1
134 23.4 11.7 35.0

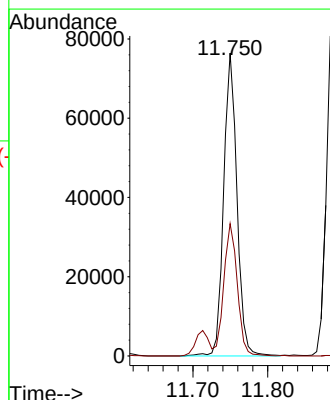
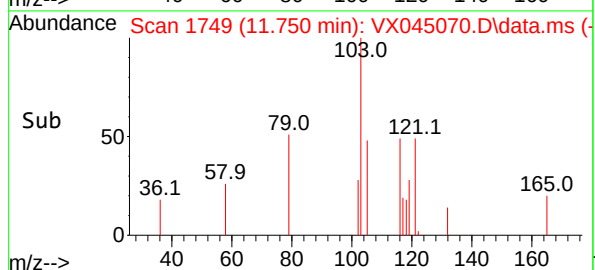
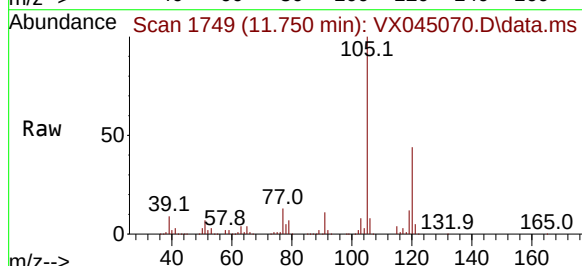
Manual Integrations
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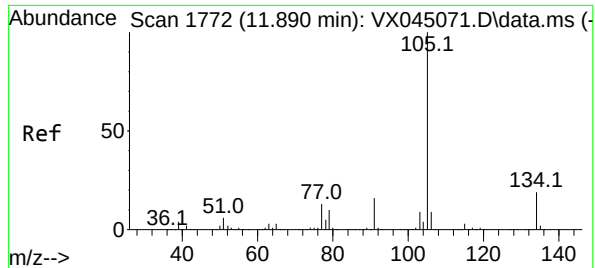
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#84
1,2,4-Trimethylbenzene
Concen: 20.943 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

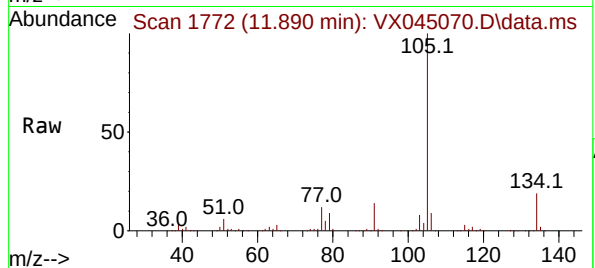
Tgt Ion:105 Resp: 94734
Ion Ratio Lower Upper
105 100
120 44.3 22.1 66.1





#85
sec-Butylbenzene
Concen: 20.160 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

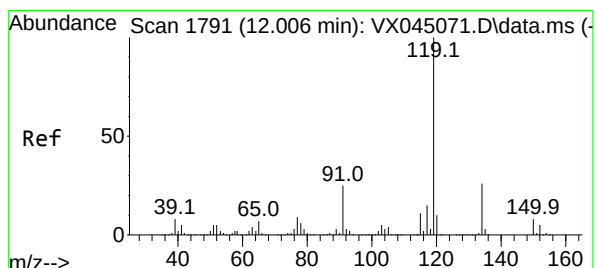
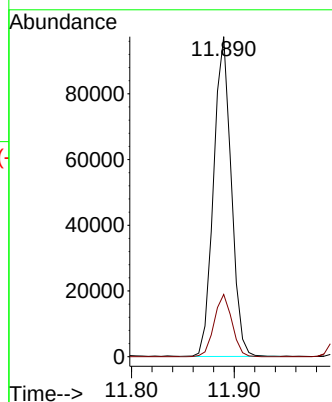
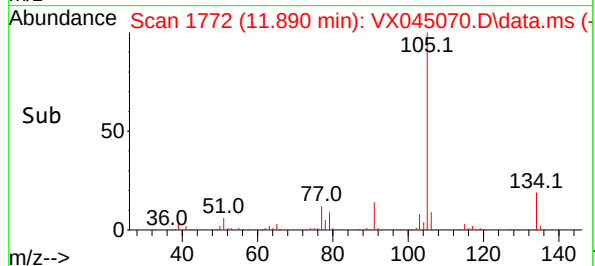
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:105 Resp: 11595
Ion Ratio Lower Upper
105 100
134 19.6 9.8 29.4

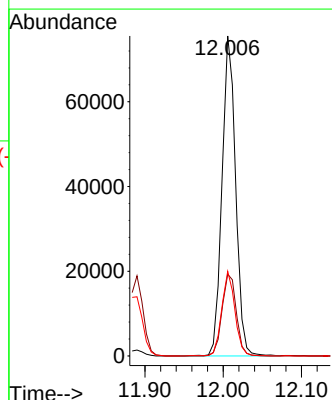
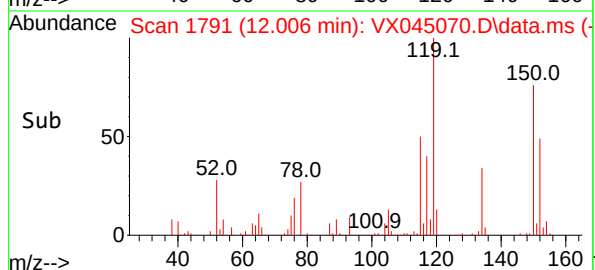
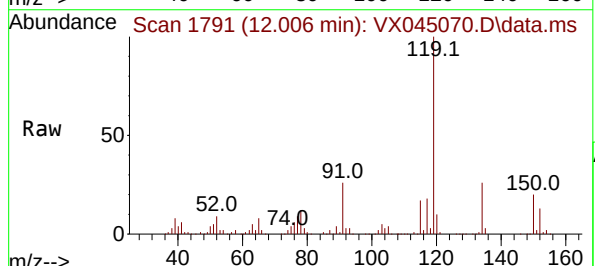
Manual Integrations
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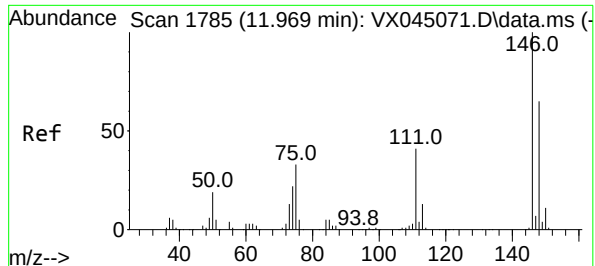
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#86
p-Isopropyltoluene
Concen: 19.827 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:119 Resp: 91554
Ion Ratio Lower Upper
119 100
134 26.8 12.9 38.6
91 25.6 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 20.400 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

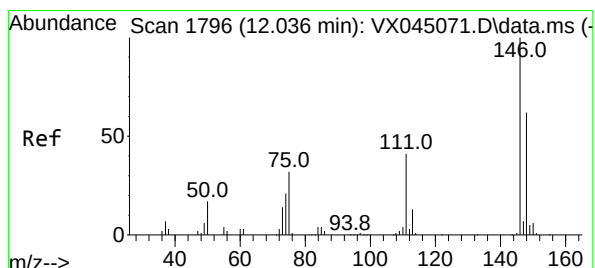
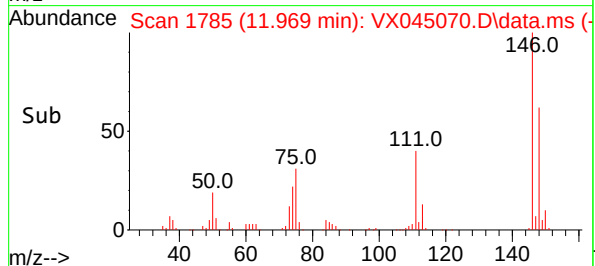
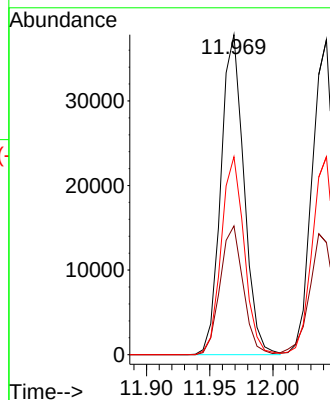
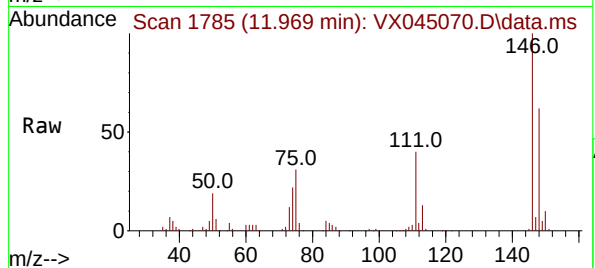
Tgt Ion:146 Resp: 47934
Ion Ratio Lower Upper
146 100
111 40.2 21.1 63.4
148 61.6 31.9 95.7

Manual Integrations

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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#88

1,4-Dichlorobenzene

Concen: 19.615 ug/l

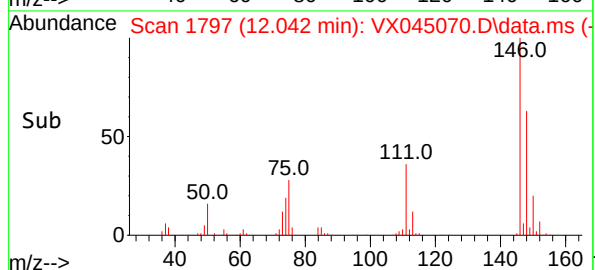
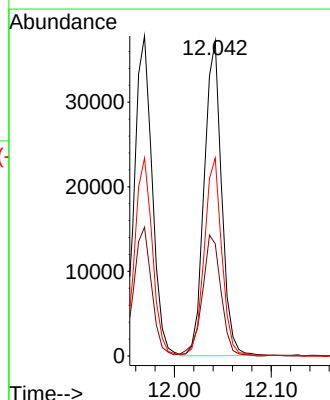
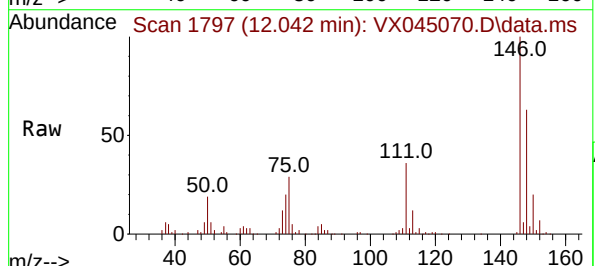
RT: 12.042 min Scan# 1797

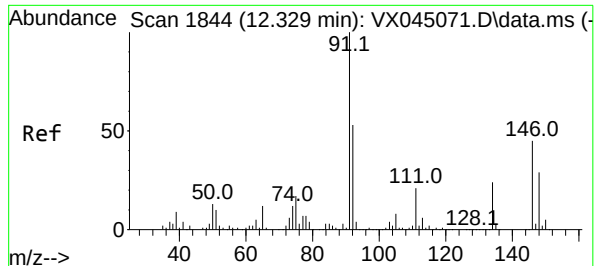
Delta R.T. 0.006 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Tgt Ion:146 Resp: 46657
Ion Ratio Lower Upper
146 100
111 41.4 20.2 60.5
148 63.8 31.9 95.9





#89

n-Butylbenzene

Concen: 19.249 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 7813

Ion Ratio Lower Upper

91 100

92 52.9 26.7 80.0

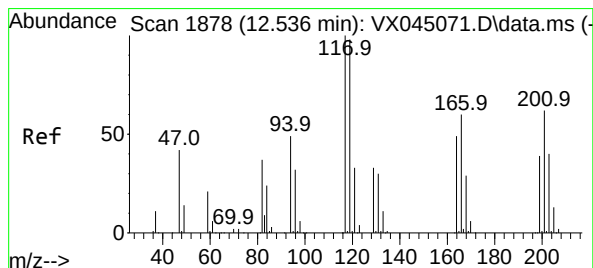
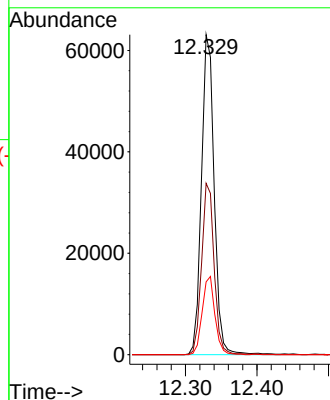
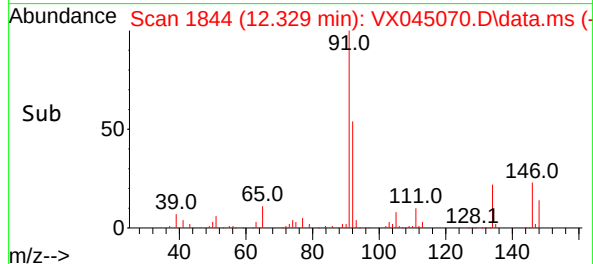
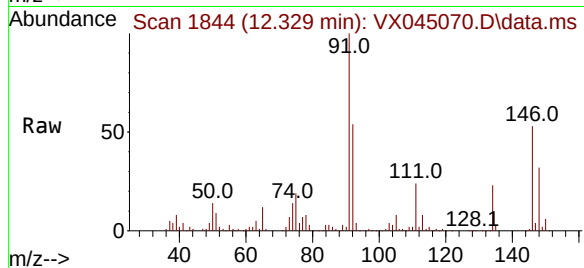
134 24.3 12.2 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#90

Hexachloroethane

Concen: 18.483 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX045070.D

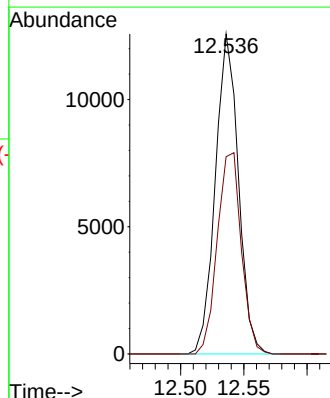
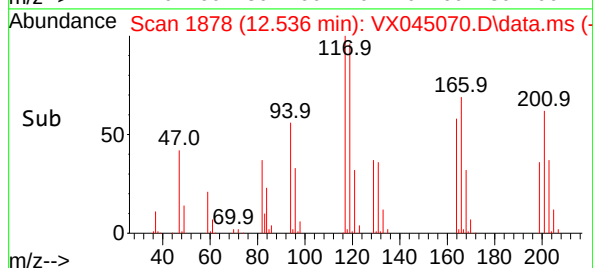
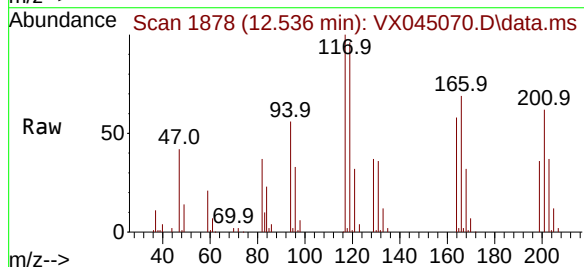
Acq: 28 Feb 2025 02:37

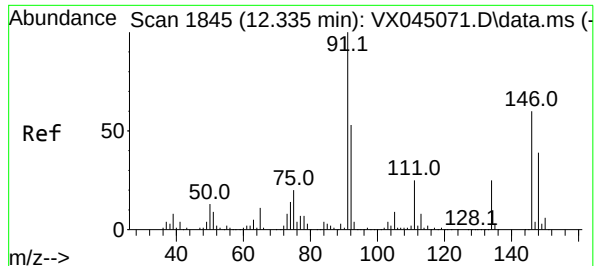
Tgt Ion:117 Resp: 15919

Ion Ratio Lower Upper

117 100

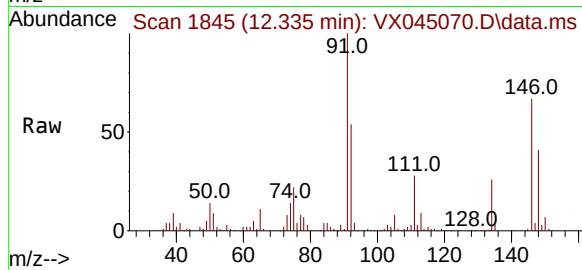
201 65.6 31.9 95.9





#91
1,2-Dichlorobenzene
Concen: 21.031 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

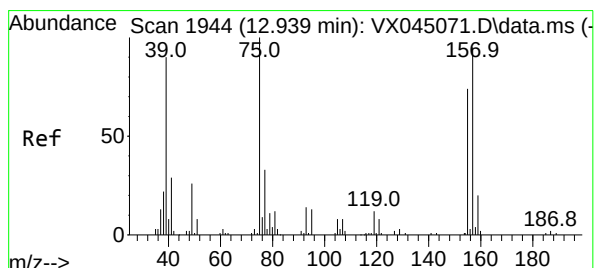
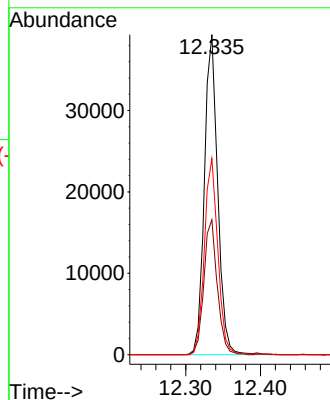
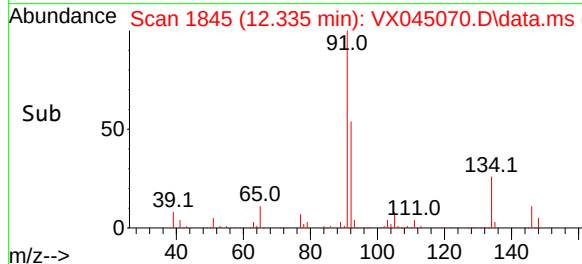
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020



Tgt Ion:146 Resp: 4863
Ion Ratio Lower Upper
146 100
111 42.6 21.6 65.0
148 62.1 31.9 95.9

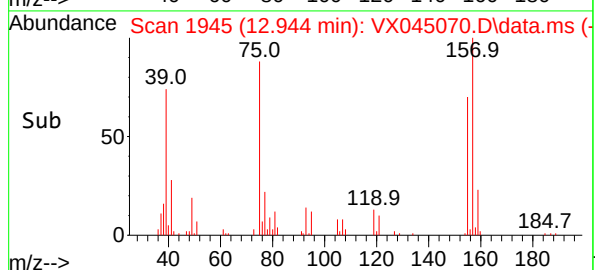
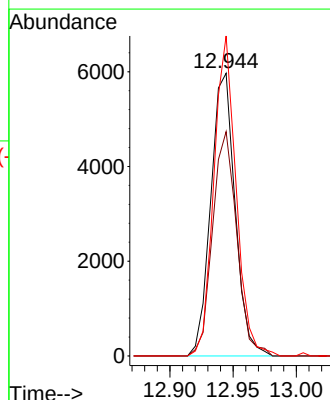
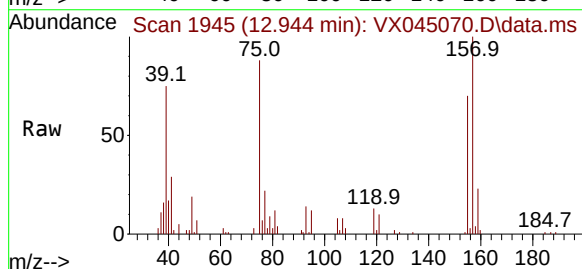
Manual Integrations
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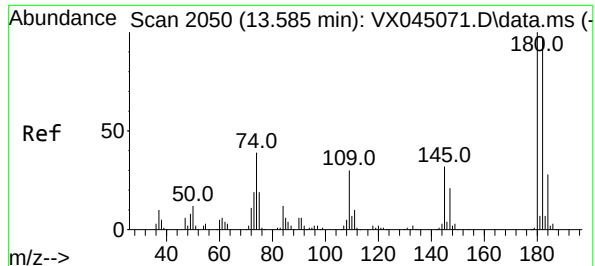
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 22.119 ug/l
RT: 12.944 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 7987
Ion Ratio Lower Upper
75 100
155 78.7 39.6 118.7
157 103.3 51.1 153.4





#93

1,2,4-Trichlorobenzene

Concen: 19.617 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

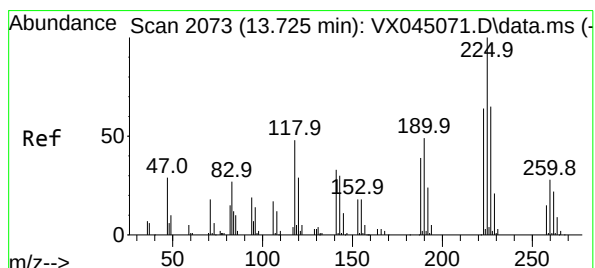
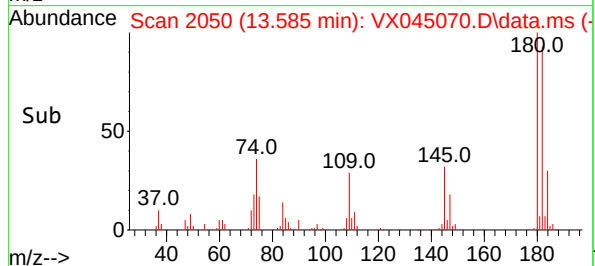
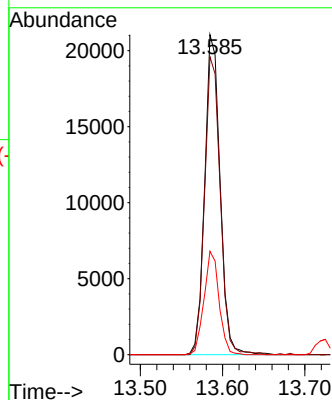
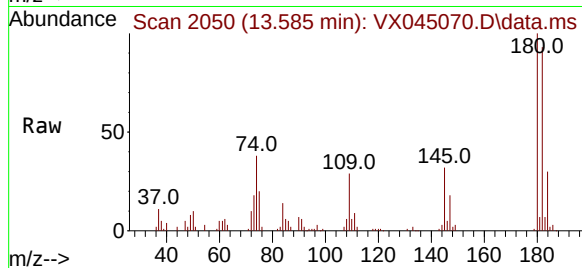
Tgt Ion:180	Resp:	27424
Ion Ratio	Lower	Upper
180	100	
182	93.9	47.3 141.9
145	31.5	16.3 48.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#94

Hexachlorobutadiene

Concen: 19.616 ug/l

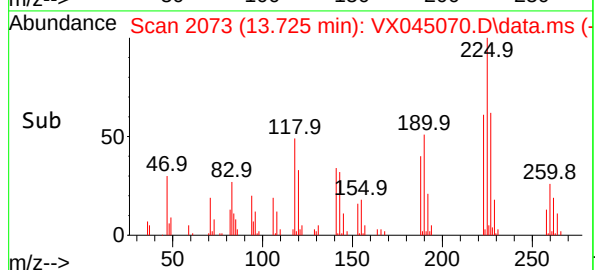
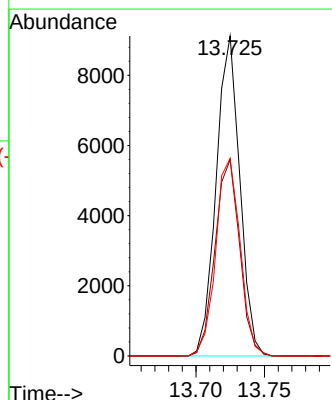
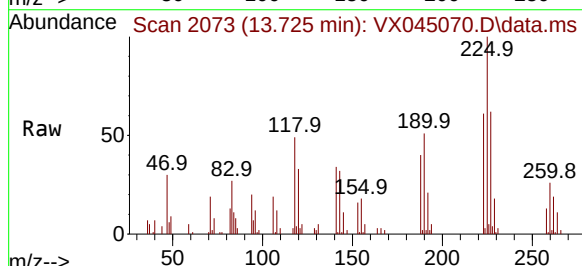
RT: 13.725 min Scan# 2073

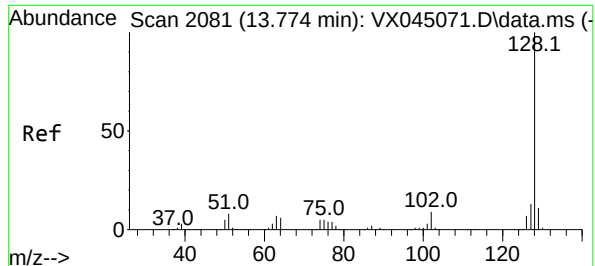
Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

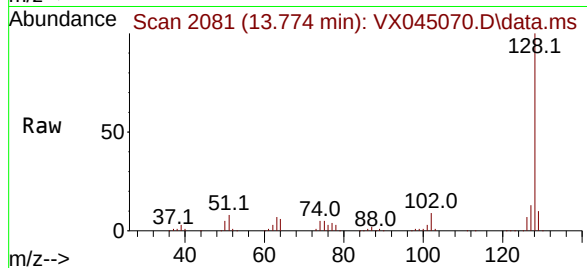
Tgt Ion:225	Resp:	10934
Ion Ratio	Lower	Upper
225	100	
223	63.7	31.9 95.7
227	63.7	31.4 94.0





#95
Naphthalene
Concen: 21.279 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

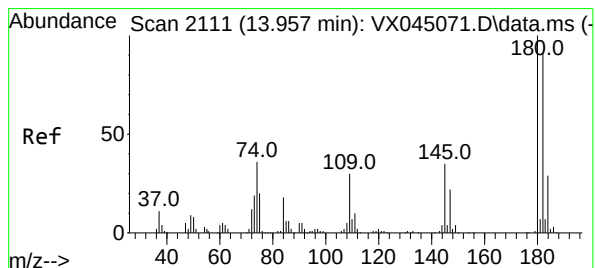
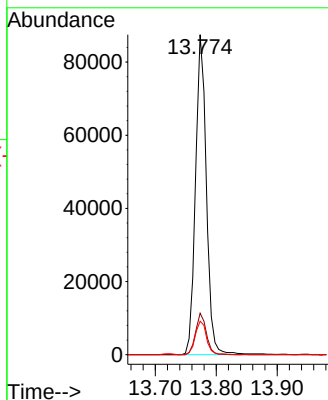
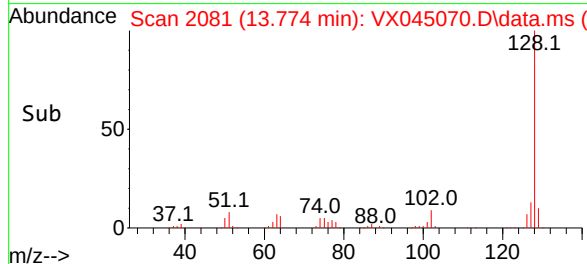
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:128 Resp: 108350
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.8 8.7 13.1

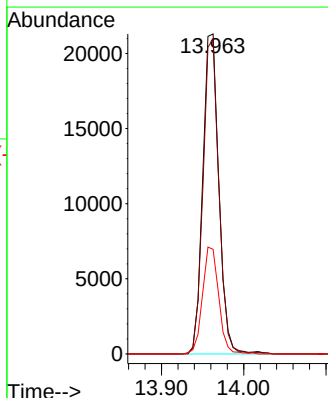
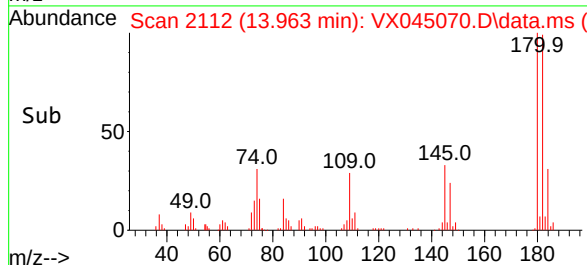
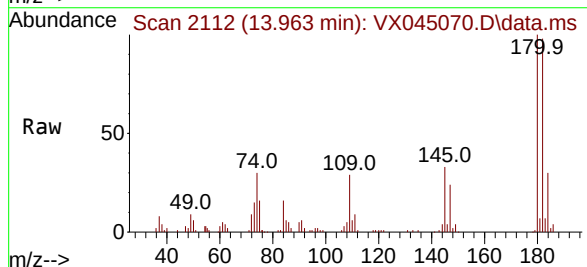
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.432 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:180 Resp: 28937
Ion Ratio Lower Upper
180 100
182 97.0 47.5 142.6
145 33.7 17.0 50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045071.D
 Acq On : 28 Feb 2025 03:00
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:34:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 05:28:02 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	103235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	186358	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	162079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78159	51.250	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.500%			
35) Dibromofluoromethane	5.385	113	61323	50.346	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.700%			
50) Toluene-d8	8.647	98	225493	49.449	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.900%			
62) 4-Bromofluorobenzene	11.079	95	74945	49.212	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.420%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	64743	45.502	ug/l	100
3) Chloromethane	1.307	50	77729	44.894	ug/l	100
4) Vinyl Chloride	1.374	62	78524	46.434	ug/l	100
5) Bromomethane	1.593	94	30169	57.066	ug/l	100
6) Chloroethane	1.660	64	38461	59.750	ug/l	100
7) Trichlorofluoromethane	1.868	101	108411	50.047	ug/l	100
8) Diethyl Ether	2.136	74	40001	50.814	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	61312	47.399	ug/l	100
10) Methyl Iodide	2.441	142	79357	47.854	ug/l	100
11) Tert butyl alcohol	2.983	59	69139	247.496	ug/l	100
12) 1,1-Dichloroethene	2.307	96	64327	48.434	ug/l	100
13) Acrolein	2.233	56	89603	296.189	ug/l	100
14) Allyl chloride	2.654	41	114313	47.875	ug/l	100
15) Acrylonitrile	3.062	53	211455	278.519	ug/l	100
16) Acetone	2.386	43	181429	289.130	ug/l	100
17) Carbon Disulfide	2.502	76	171353	47.419	ug/l	100
18) Methyl Acetate	2.703	43	89508	47.359	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	215043	50.642	ug/l	100
20) Methylene Chloride	2.782	84	72081	48.500	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	65093	49.832	ug/l	100
22) Diisopropyl ether	3.764	45	236563	51.816	ug/l	100
23) Vinyl Acetate	3.721	43	1018631	271.773	ug/l	100
24) 1,1-Dichloroethane	3.605	63	128235	50.270	ug/l	100
25) 2-Butanone	4.562	43	298785	295.330	ug/l	100
26) 2,2-Dichloropropane	4.471	77	61631	32.498	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	78657	49.955	ug/l	100
28) Bromochloromethane	4.898	49	62299	50.643	ug/l	100
29) Tetrahydrofuran	5.007	42	192607	287.345	ug/l	100
30) Chloroform	5.087	83	128581	51.532	ug/l	100
31) Cyclohexane	5.464	56	114333	48.836	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	105671	50.306	ug/l	100
36) 1,1-Dichloropropene	5.690	75	87338	49.861	ug/l	100
37) Ethyl Acetate	4.715	43	112892	56.641	ug/l	100
38) Carbon Tetrachloride	5.672	117	87123	50.593	ug/l	100
39) Methylcyclohexane	7.373	83	108974	48.715	ug/l	100
40) Benzene	6.031	78	278802	50.925	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045071.D
 Acq On : 28 Feb 2025 03:00
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:34:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 05:28:02 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	63454	59.598	ug/l	100
42) 1,2-Dichloroethane	6.080	62	98340	55.428	ug/l	100
43) Isopropyl Acetate	6.342	43	173045	54.544	ug/l	100
44) Trichloroethene	7.123	130	63513	50.756	ug/l	100
45) 1,2-Dichloropropane	7.428	63	69128	50.808	ug/l	100
46) Dibromomethane	7.580	93	50143	52.757	ug/l	100
47) Bromodichloromethane	7.818	83	97729	53.153	ug/l	100
48) Methyl methacrylate	7.690	41	86231	57.256	ug/l	100
49) 1,4-Dioxane	7.659	88	35053	1095.003	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	568737	292.570	ug/l	100
52) Toluene	8.714	92	167431	51.505	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	87373	48.078	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	99713	49.079	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	66379	52.724	ug/l	100
56) Ethyl methacrylate	9.116	69	106157	52.724	ug/l	100
57) 1,3-Dichloropropane	9.305	76	115488	52.594	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	264555	267.612	ug/l	100
59) 2-Hexanone	9.427	43	416984	297.362	ug/l	100
60) Dibromochloromethane	9.519	129	71569	53.284	ug/l	100
61) 1,2-Dibromoethane	9.604	107	66312	52.217	ug/l	100
64) Tetrachloroethene	9.269	164	52531	51.021	ug/l	100
65) Chlorobenzene	10.079	112	176922	50.853	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	57642	51.402	ug/l	100
67) Ethyl Benzene	10.189	91	316427	51.431	ug/l	100
68) m/p-Xylenes	10.299	106	234554	103.515	ug/l	100
69) o-Xylene	10.640	106	114440	50.341	ug/l	100
70) Styrene	10.653	104	191406	52.387	ug/l	100
71) Bromoform	10.799	173	44730	53.645	ug/l #	100
73) Isopropylbenzene	10.963	105	294694	51.167	ug/l	100
74) N-amyl acetate	10.842	43	140869	53.881	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	101089	50.945	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	81743m	51.421	ug/l	
77) Bromobenzene	11.195	156	66904	51.173	ug/l	100
78) n-propylbenzene	11.305	91	342399	51.546	ug/l	100
79) 2-Chlorotoluene	11.360	91	204484	50.154	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	241129	51.613	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	24135	41.172	ug/l	100
82) 4-Chlorotoluene	11.451	91	230493	51.072	ug/l	100
83) tert-Butylbenzene	11.713	119	240510	50.895	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	240719	52.326	ug/l	100
85) sec-Butylbenzene	11.890	105	300393	51.353	ug/l	100
86) p-Isopropyltoluene	12.006	119	244031	51.964	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	118879	49.747	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	120217	49.694	ug/l	100
89) n-Butylbenzene	12.329	91	214685	52.006	ug/l	100
90) Hexachloroethane	12.536	117	43086	49.188	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	118896	50.557	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20610	56.123	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	71897	50.571	ug/l	100
94) Hexachlorobutadiene	13.725	225	27916	49.245	ug/l	100
95) Naphthalene	13.774	128	278086	53.700	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	75482	52.406	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045071.D
Acq On : 28 Feb 2025 03:00
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:34:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

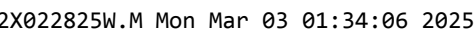
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

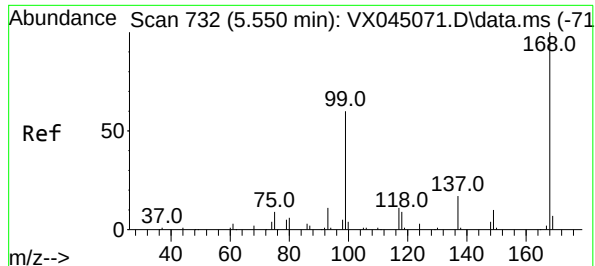
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025





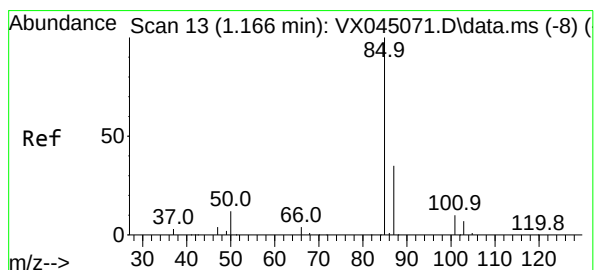
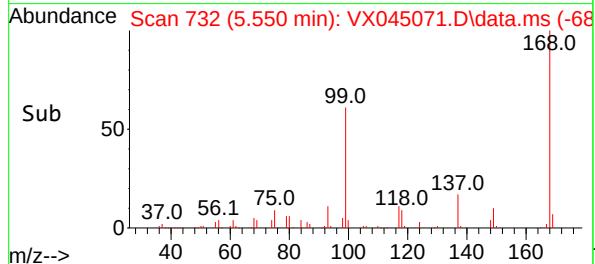
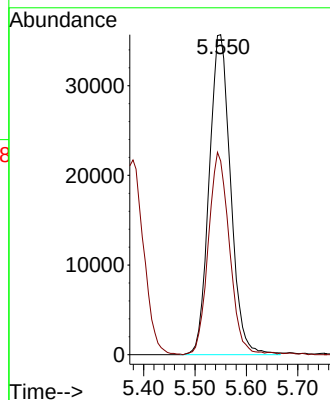
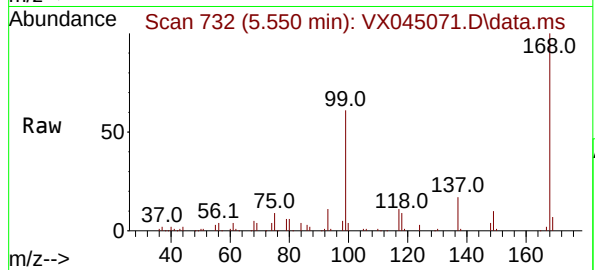
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 103235
Ion Ratio Lower Upper
168 100
99 60.3 48.2 72.4

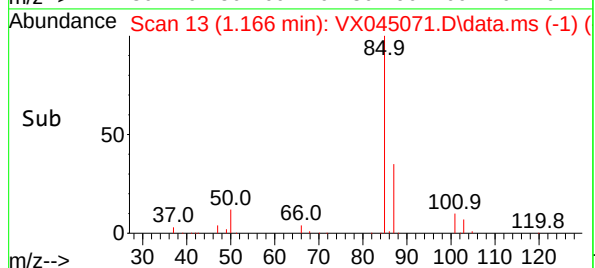
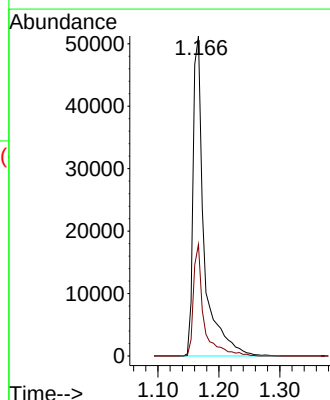
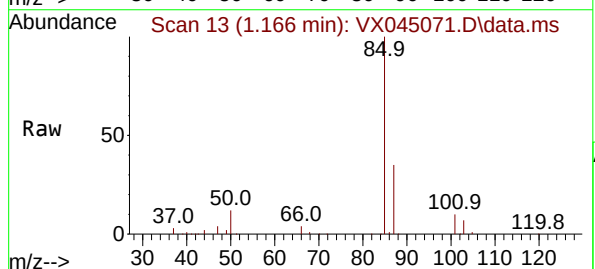
Manual Integrations
APPROVED

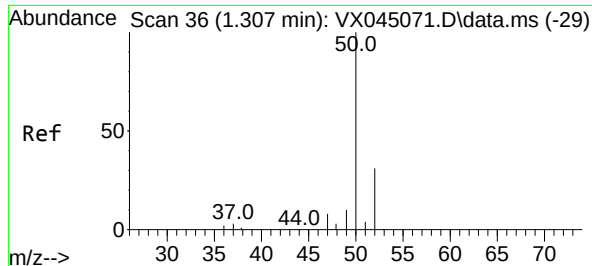
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#2
Dichlorodifluoromethane
Concen: 45.502 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 85 Resp: 64743
Ion Ratio Lower Upper
85 100
87 34.9 17.4 52.3





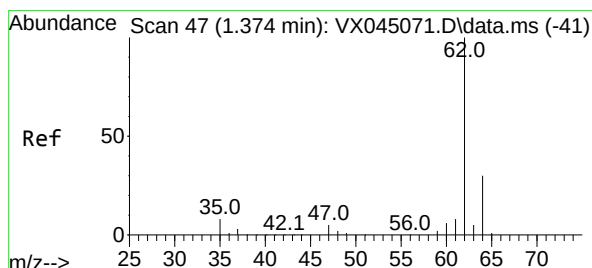
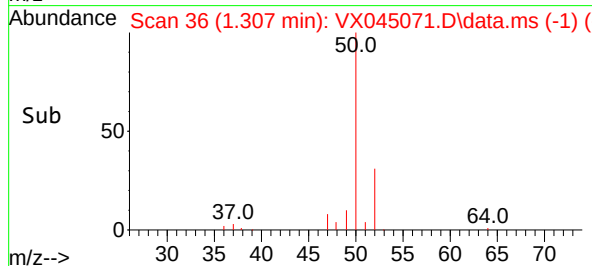
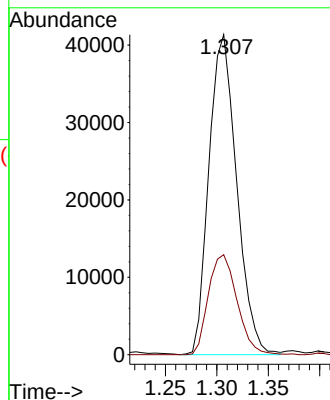
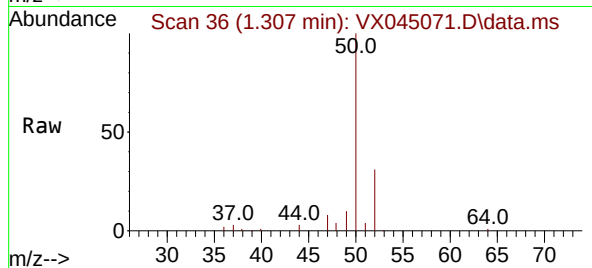
#3
Chloromethane
Concen: 44.894 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 77729
Ion Ratio Lower Upper
50 100
52 31.2 25.0 37.4

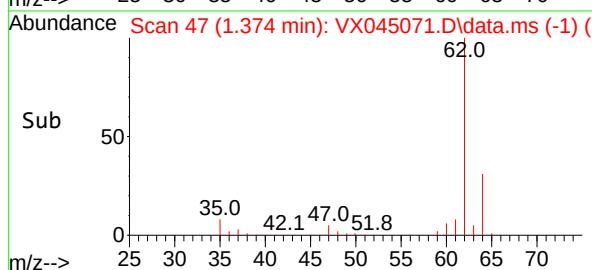
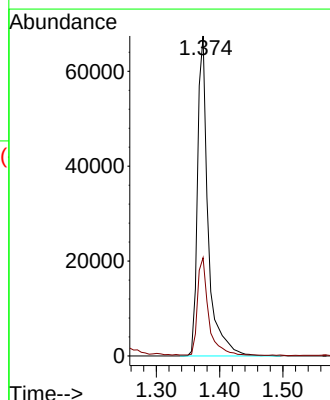
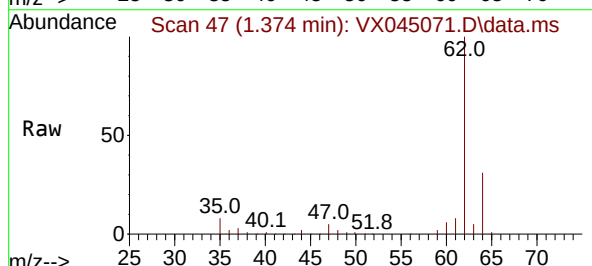
Manual Integrations
APPROVED

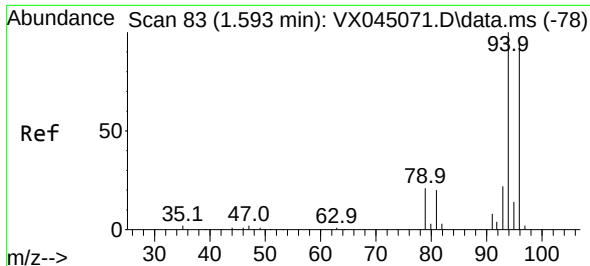
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#4
Vinyl Chloride
Concen: 46.434 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

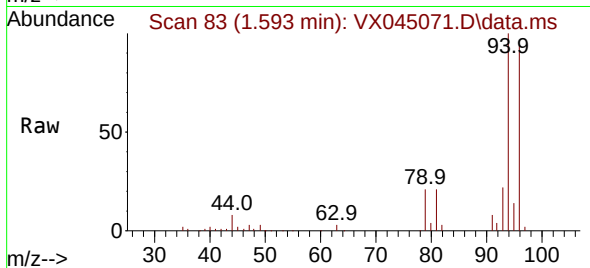
Tgt Ion: 62 Resp: 78524
Ion Ratio Lower Upper
62 100
64 30.4 24.3 36.5





#5
Bromomethane
Concen: 57.066 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

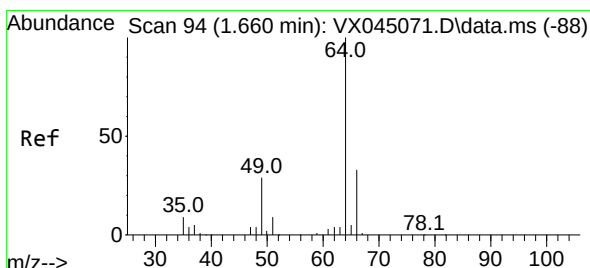
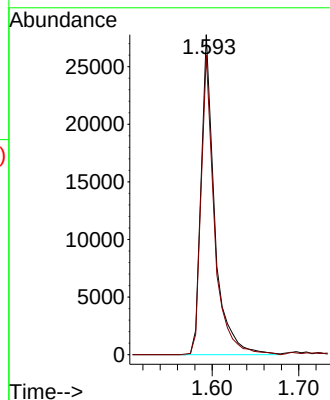
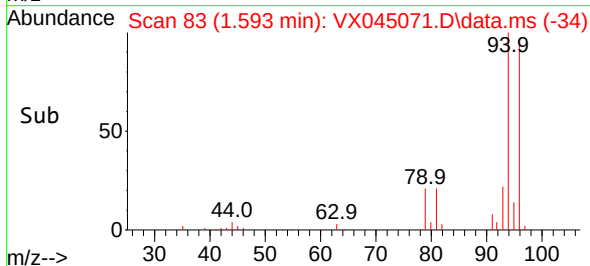
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 94 Resp: 30169
Ion Ratio Lower Upper
94 100
96 93.7 75.0 112.4

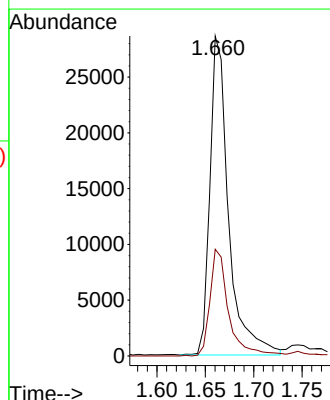
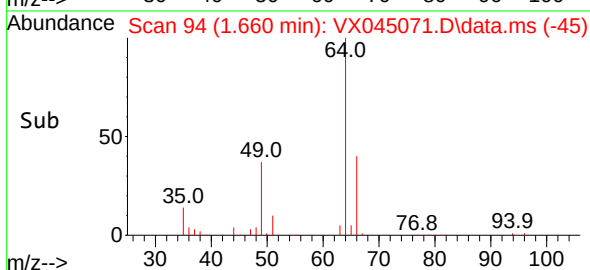
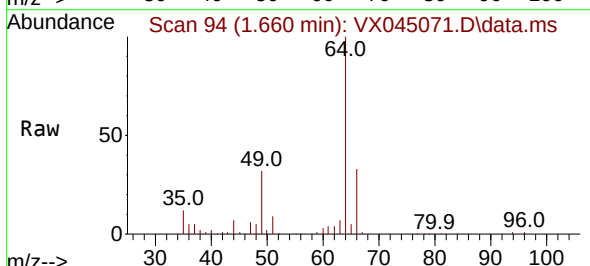
Manual Integrations
APPROVED

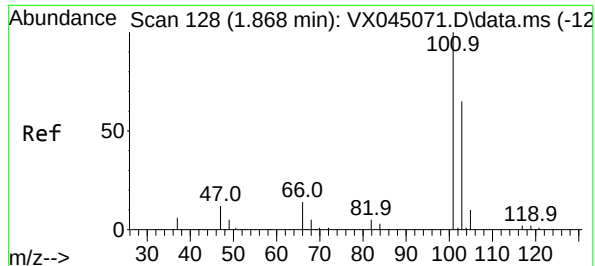
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#6
Chloroethane
Concen: 59.750 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

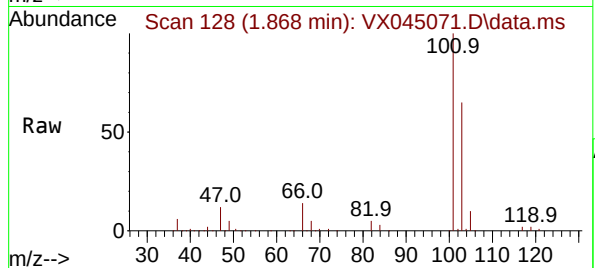
Tgt Ion: 64 Resp: 38461
Ion Ratio Lower Upper
64 100
66 33.4 26.7 40.1





#7
Trichlorofluoromethane
Concen: 50.047 ug/l
RT: 1.868 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

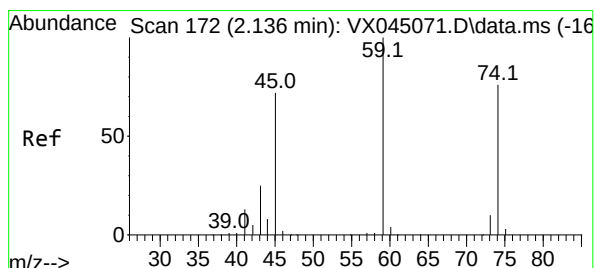
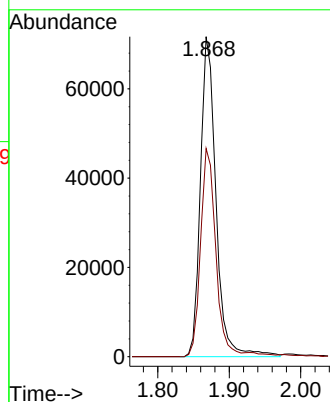
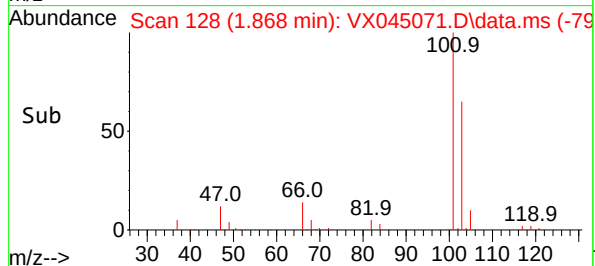
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:101 Resp: 10841
Ion Ratio Lower Upper
101 100
103 65.1 52.1 78.1

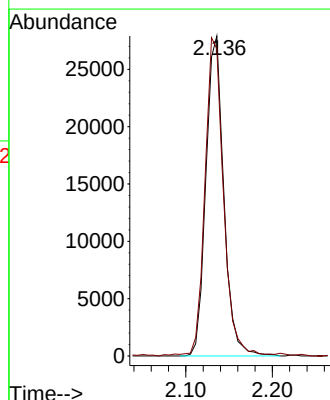
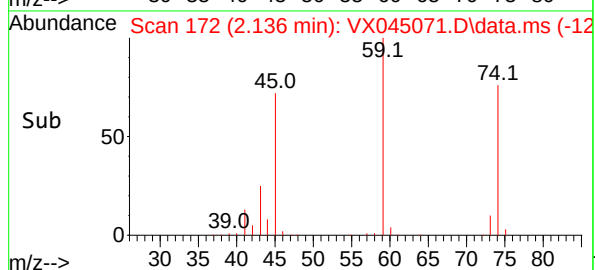
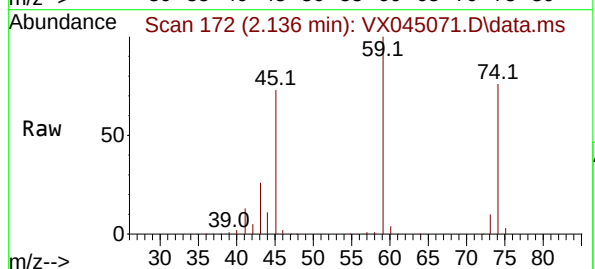
Manual Integrations
APPROVED

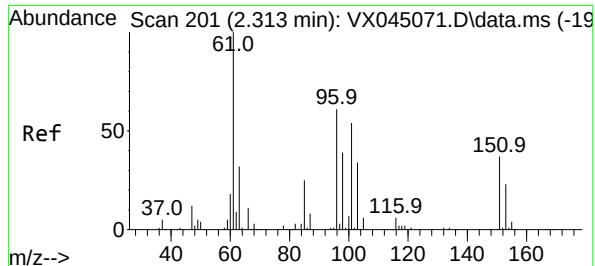
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#8
Diethyl Ether
Concen: 50.814 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 74 Resp: 40001
Ion Ratio Lower Upper
74 100
45 103.0 51.5 154.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.399 ug/l

RT: 2.313 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

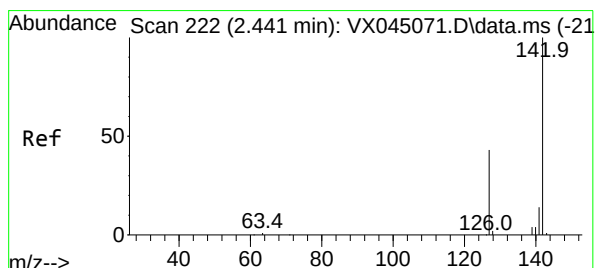
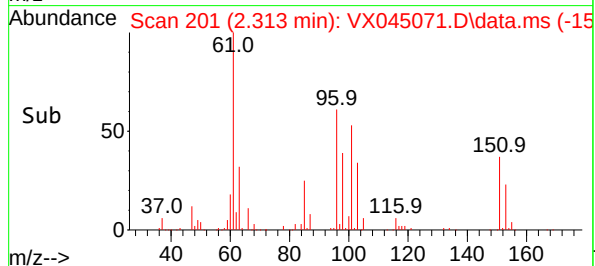
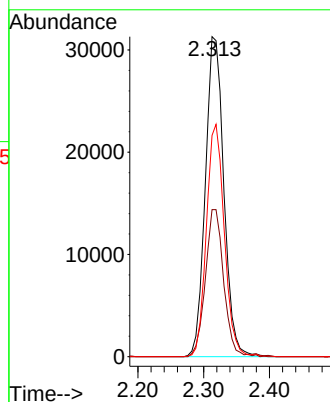
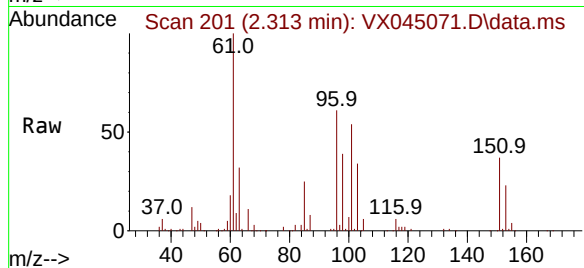
Tgt Ion:	101	Resp:	6131
Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	70.5	56.4	84.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#10

Methyl Iodide

Concen: 47.854 ug/l

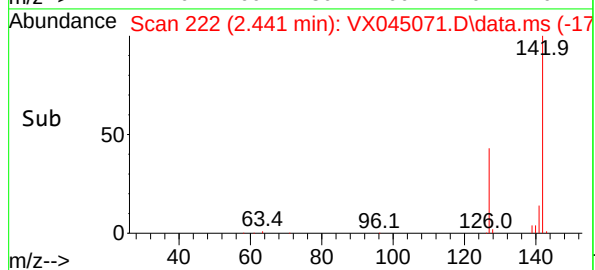
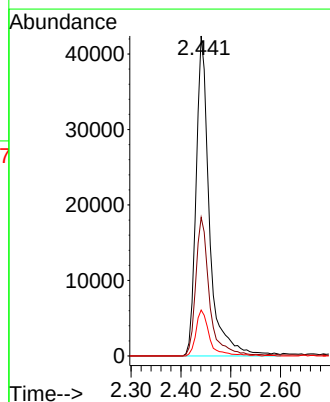
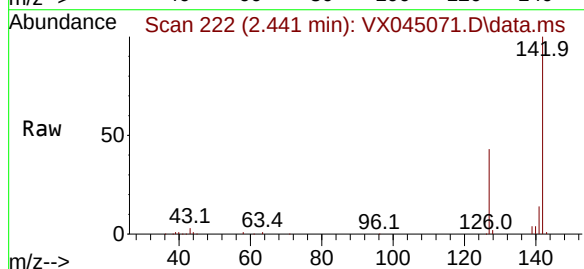
RT: 2.441 min Scan# 222

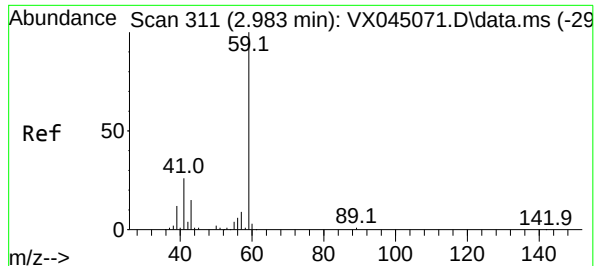
Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Tgt Ion:	142	Resp:	79357
Ion	Ratio	Lower	Upper
142	100		
127	44.3	35.4	53.2
141	14.5	11.6	17.4





#11

Tert butyl alcohol

Concen: 247.496 ug/l

RT: 2.983 min Scan# 311

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 69139

Ion Ratio Lower Upper

59 100

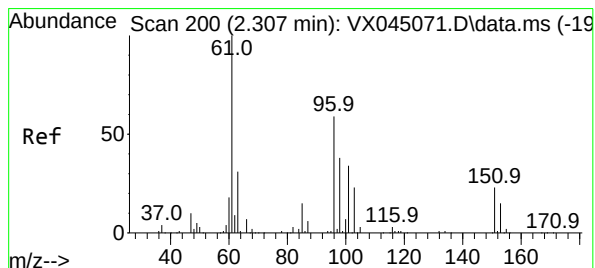
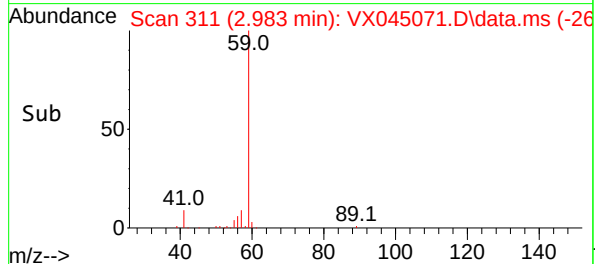
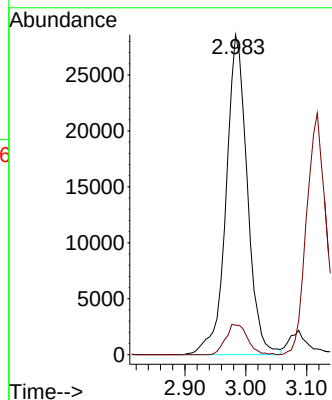
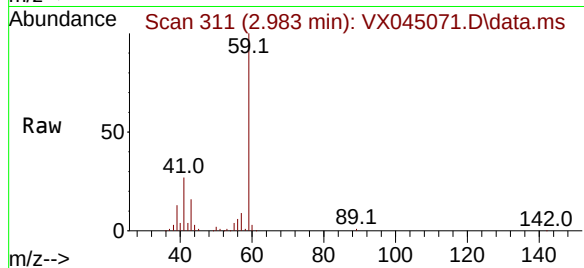
57 9.8 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#12

1,1-Dichloroethene

Concen: 48.434 ug/l

RT: 2.307 min Scan# 200

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

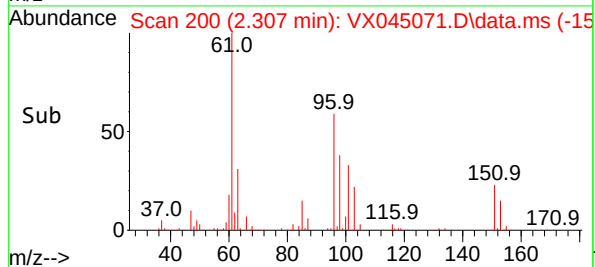
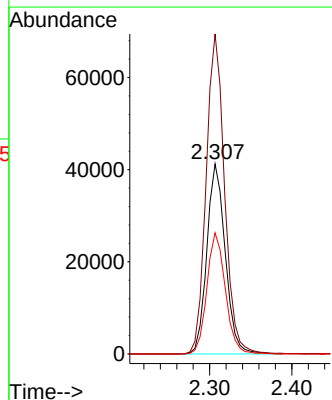
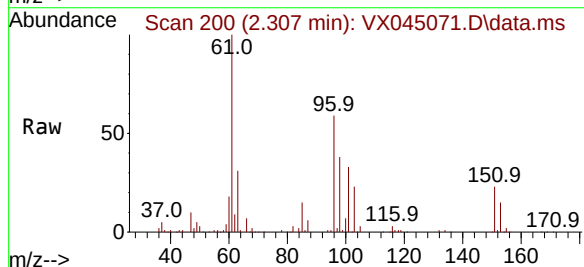
Tgt Ion: 96 Resp: 64327

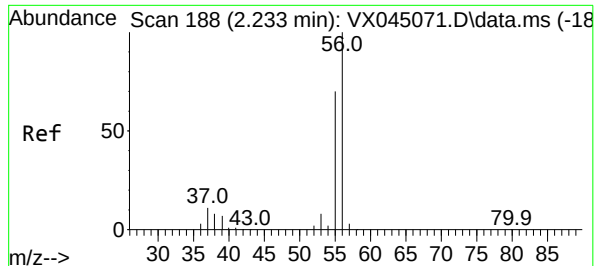
Ion Ratio Lower Upper

96 100

61 168.3 134.6 202.0

98 63.8 51.0 76.6





#13

Acrolein

Concen: 296.189 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 89603

Ion Ratio Lower Upper

56 100

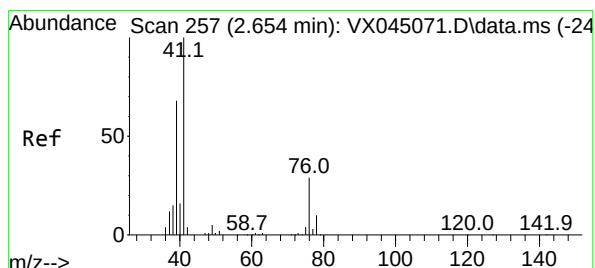
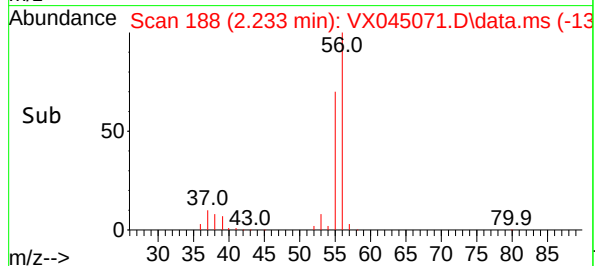
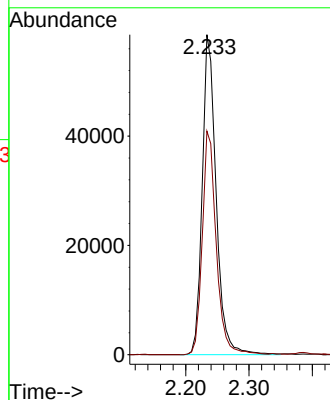
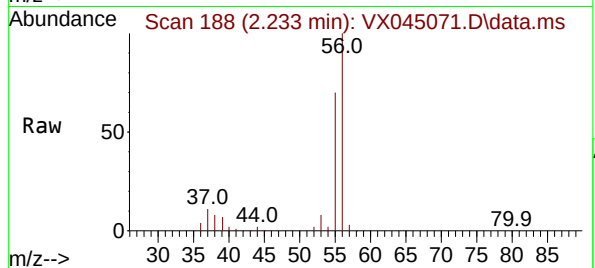
55 70.3 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#14

Allyl chloride

Concen: 47.875 ug/l

RT: 2.654 min Scan# 257

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

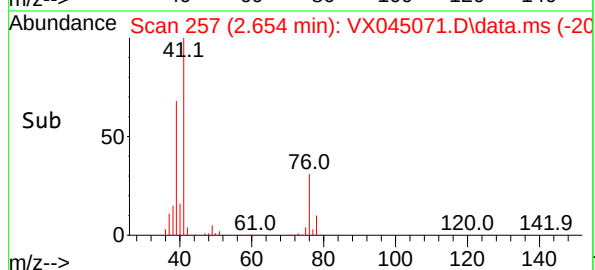
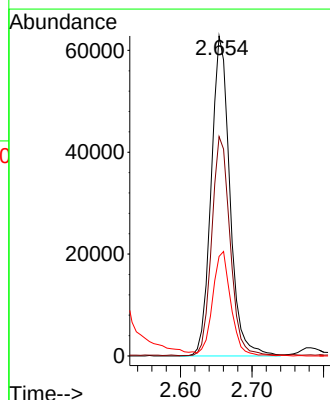
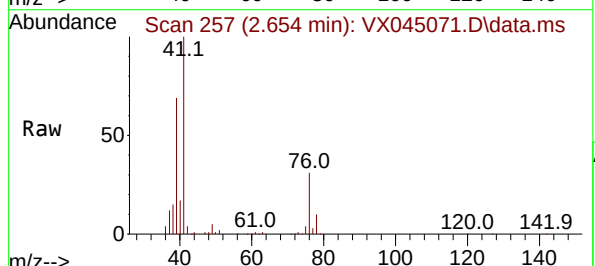
Tgt Ion: 41 Resp: 114313

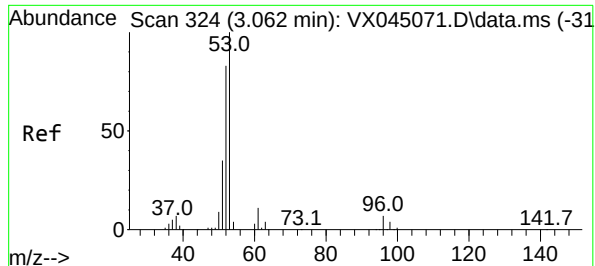
Ion Ratio Lower Upper

41 100

39 67.3 53.8 80.8

76 31.5 25.2 37.8





#15

Acrylonitrile

Concen: 278.519 ug/l

RT: 3.062 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 53 Resp: 21145

Ion Ratio Lower Upper

53 100

52 82.7 66.2 99.2

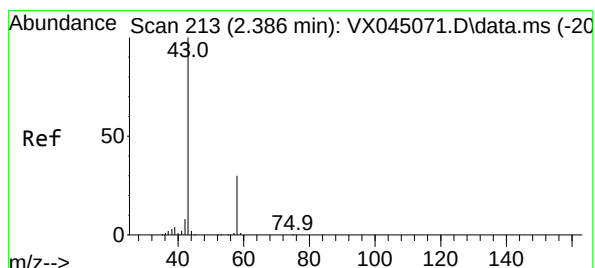
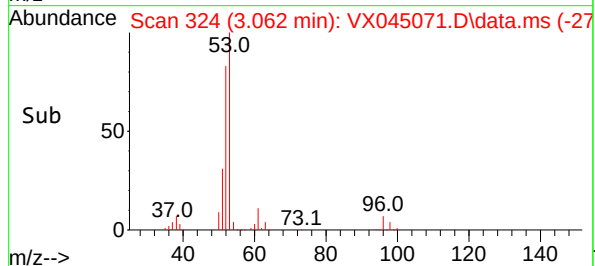
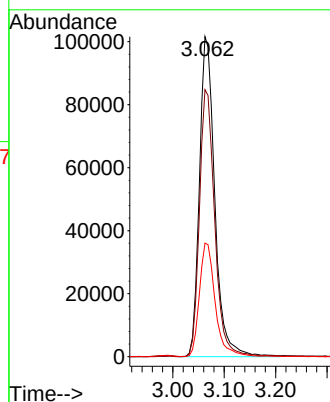
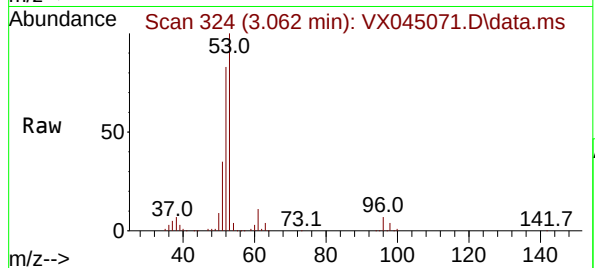
51 36.2 29.0 43.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#16

Acetone

Concen: 289.130 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX045071.D

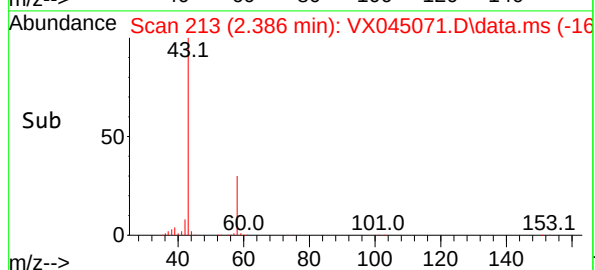
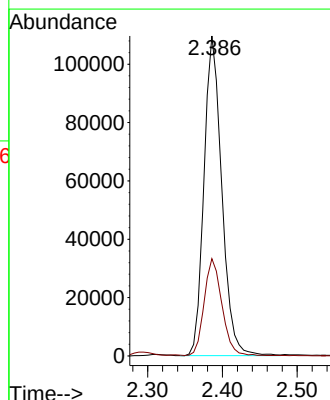
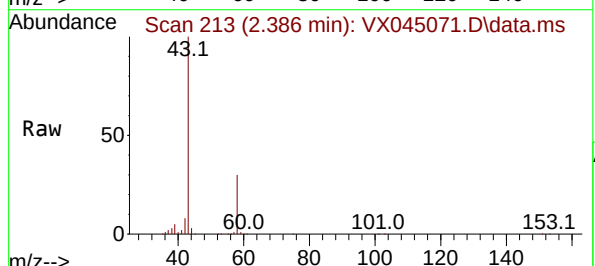
Acq: 28 Feb 2025 03:00

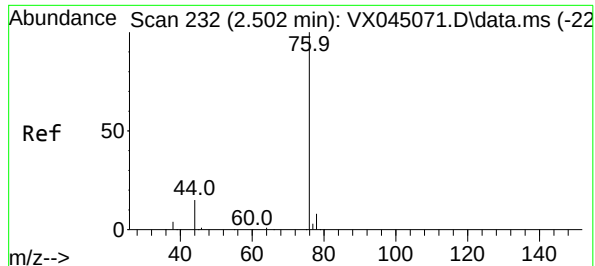
Tgt Ion: 43 Resp: 181429

Ion Ratio Lower Upper

43 100

58 30.3 24.2 36.4





#17

Carbon Disulfide

Concen: 47.419 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 17135

Ion Ratio Lower Upper

76 100

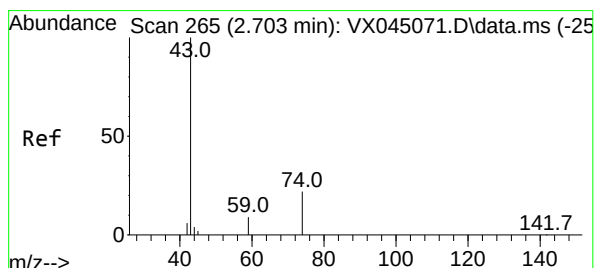
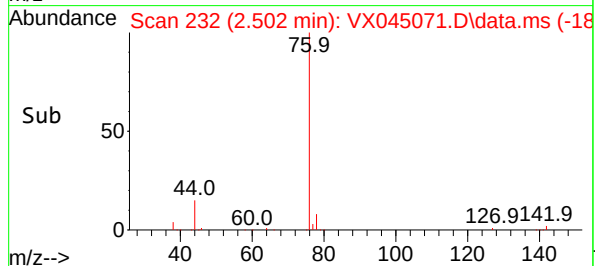
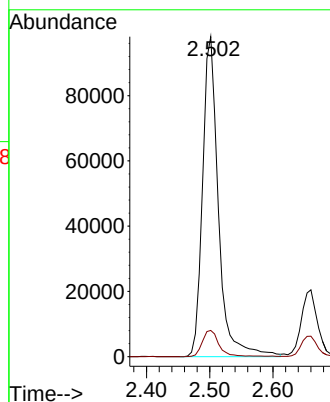
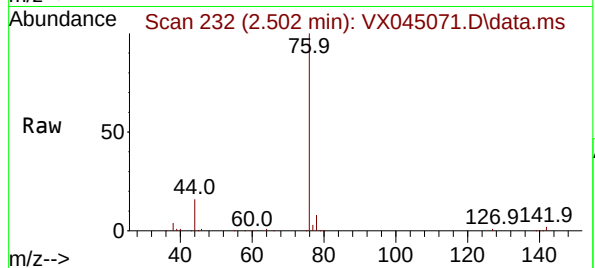
78 8.2 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#18

Methyl Acetate

Concen: 47.359 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX045071.D

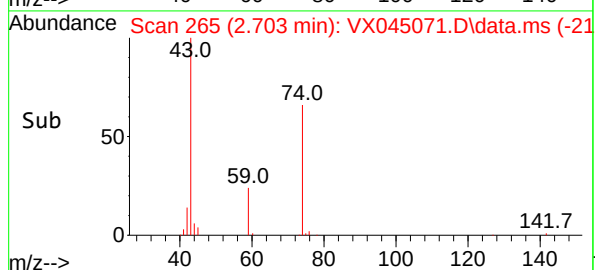
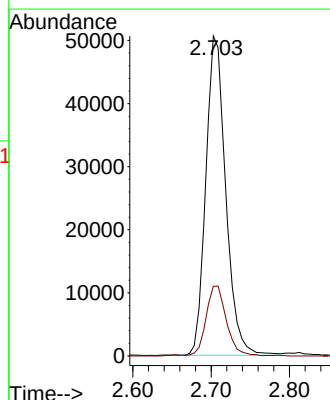
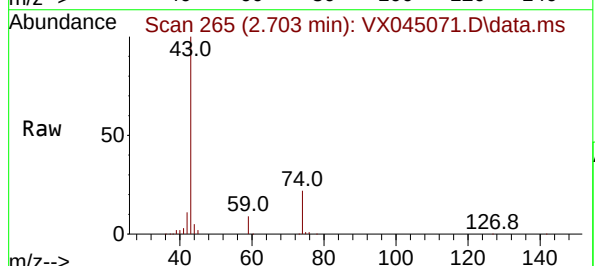
Acq: 28 Feb 2025 03:00

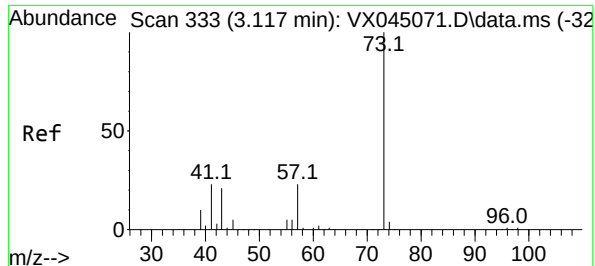
Tgt Ion: 43 Resp: 89508

Ion Ratio Lower Upper

43 100

74 21.8 17.4 26.2





#19

Methyl tert-butyl Ether

Concen: 50.642 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 21504

Ion Ratio Lower Upper

73 100

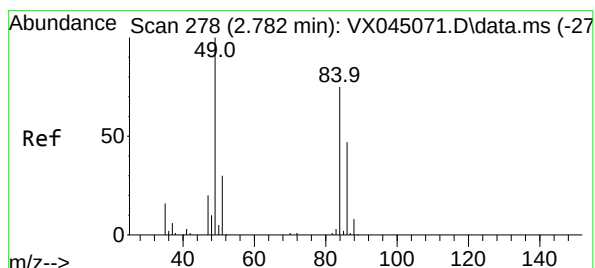
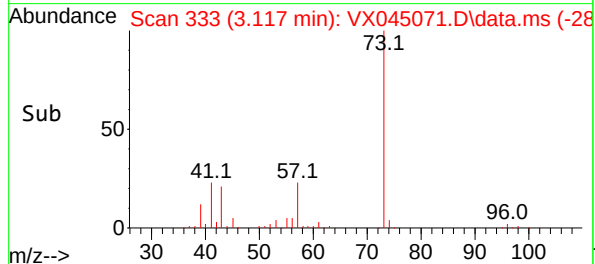
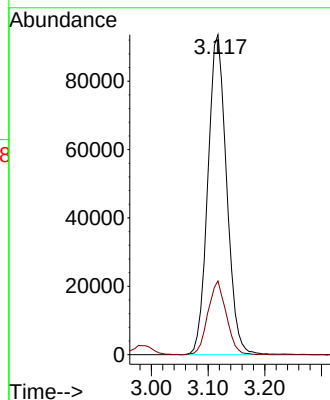
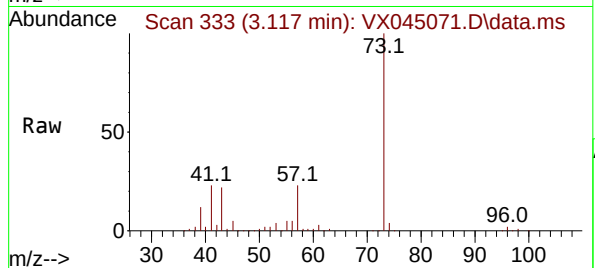
57 23.1 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#20

Methylene Chloride

Concen: 48.500 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Tgt Ion: 84 Resp: 72081

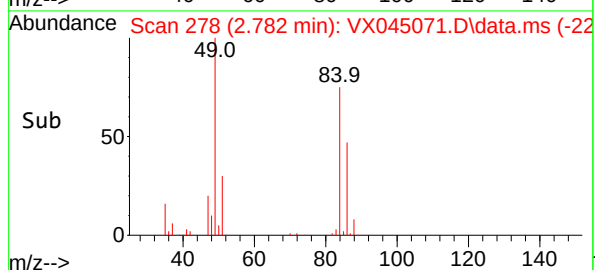
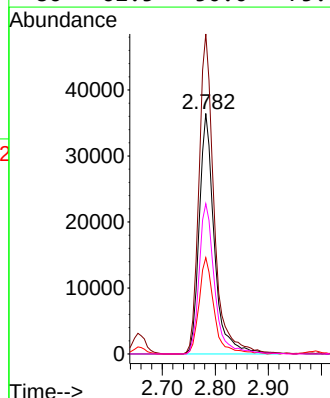
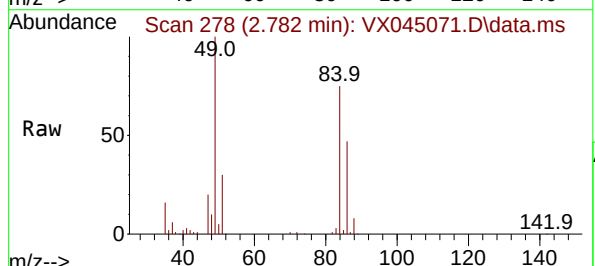
Ion Ratio Lower Upper

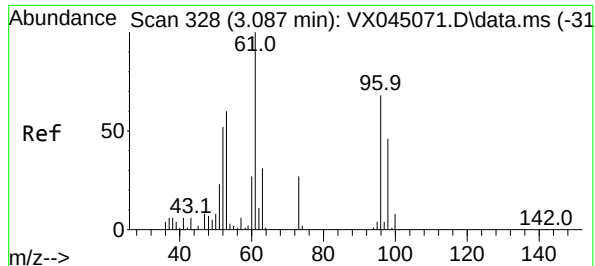
84 100

49 133.1 106.5 159.7

51 40.1 32.1 48.1

86 62.5 50.0 75.0





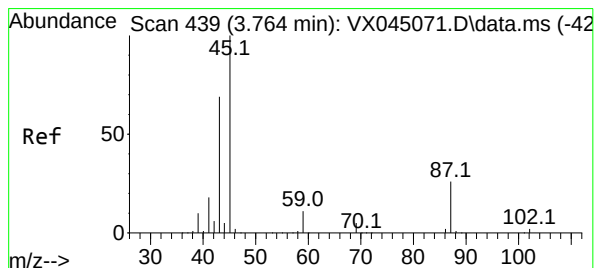
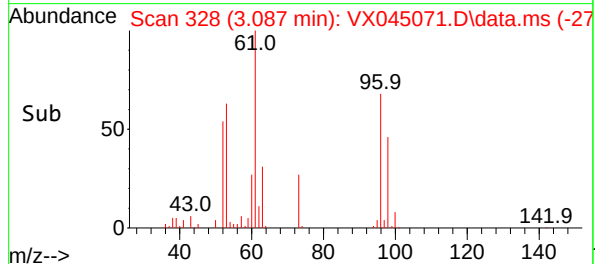
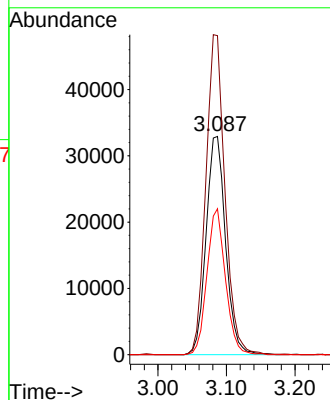
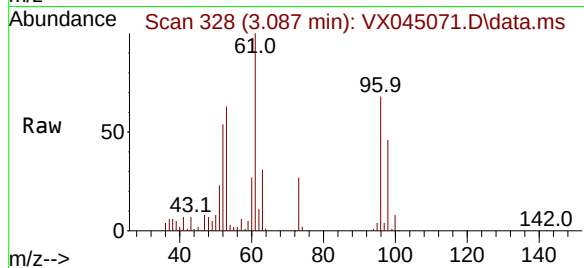
#21
trans-1,2-Dichloroethene
Concen: 49.832 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 6509
Ion Ratio Lower Upper
96 100
61 146.2 117.0 175.4
98 66.8 53.4 80.2

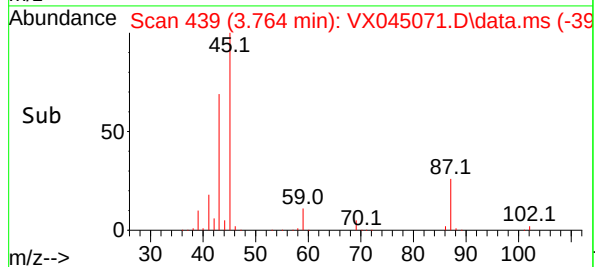
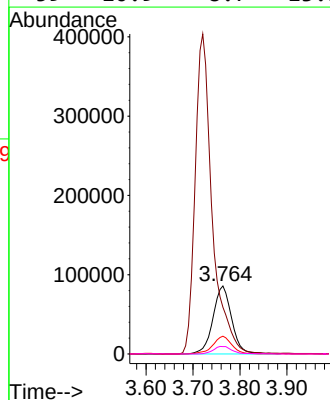
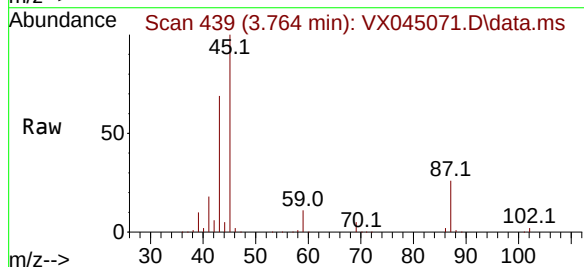
Manual Integrations
APPROVED

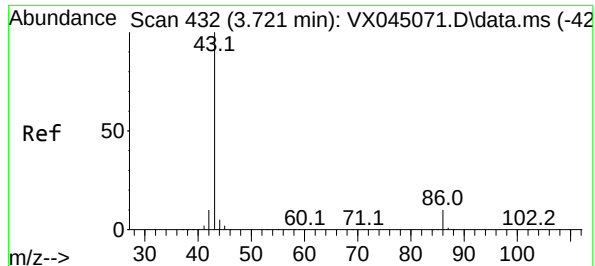
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#22
Diisopropyl ether
Concen: 51.816 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 45 Resp: 236563
Ion Ratio Lower Upper
45 100
43 68.6 54.9 82.3
87 26.2 21.0 31.4
59 10.9 8.7 13.1





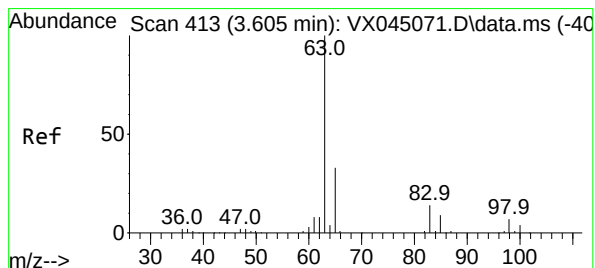
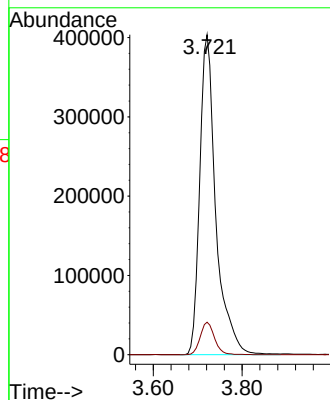
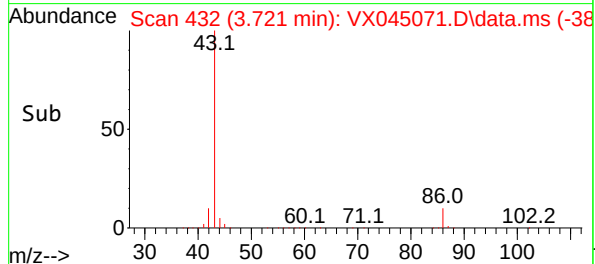
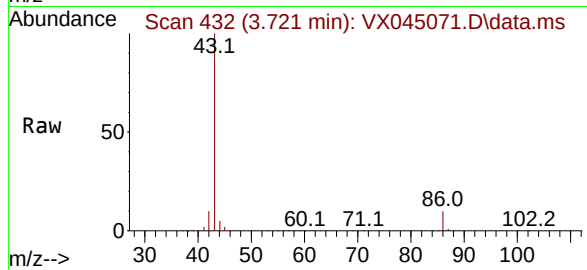
#23
Vinyl Acetate
Concen: 271.773 ug/l
RT: 3.721 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 101863
Ion Ratio Lower Upper
43 100
86 10.1 8.1 12.1

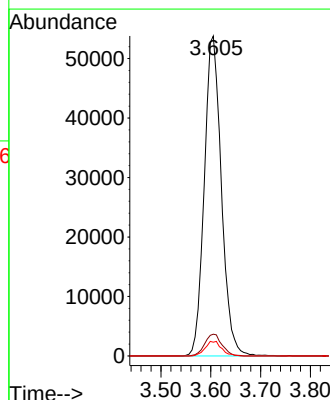
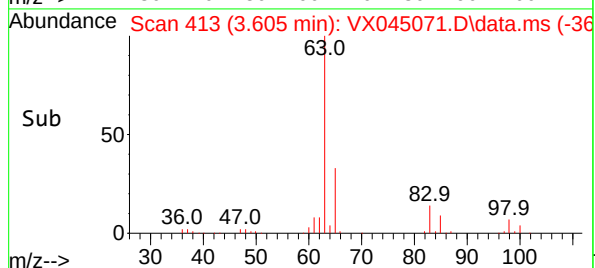
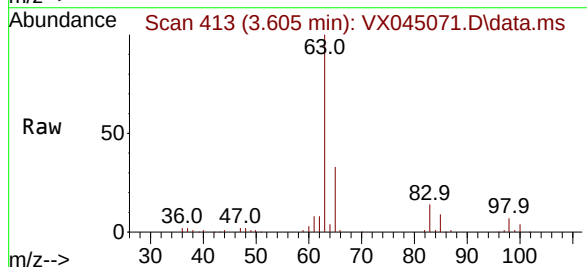
Manual Integrations
APPROVED

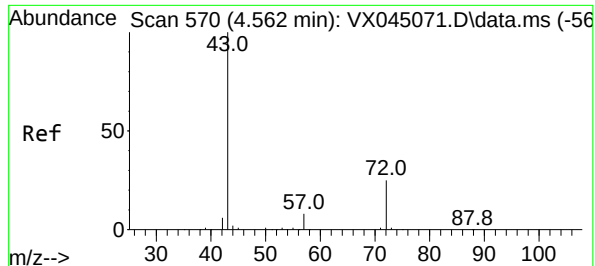
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#24
1,1-Dichloroethane
Concen: 50.270 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 128235
Ion Ratio Lower Upper
63 100
98 6.8 3.4 10.2
100 4.3 2.1 6.5





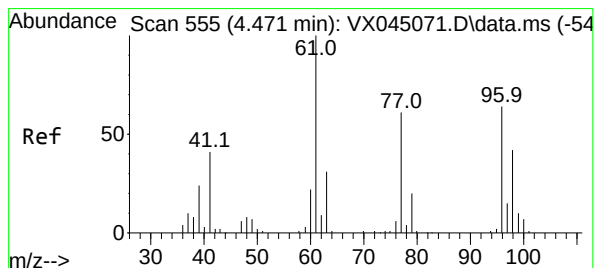
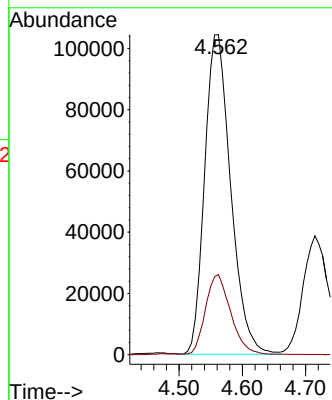
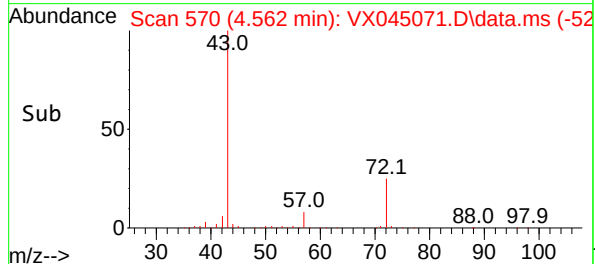
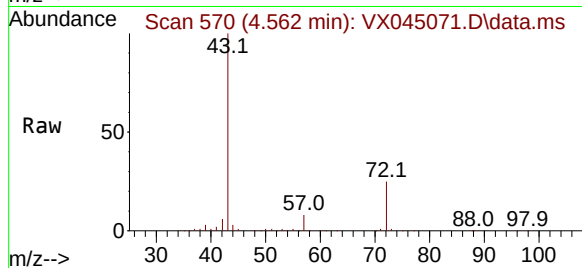
#25
2-Butanone
Concen: 295.330 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 29878
Ion Ratio Lower Upper
43 100
72 25.0 20.0 30.0

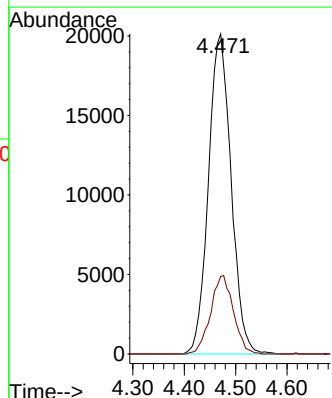
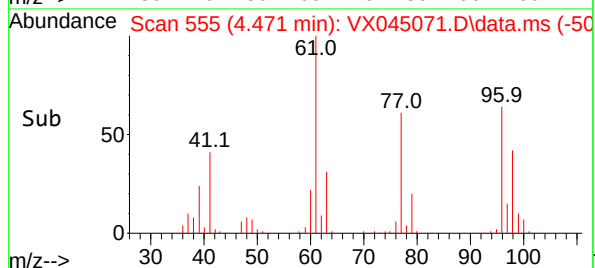
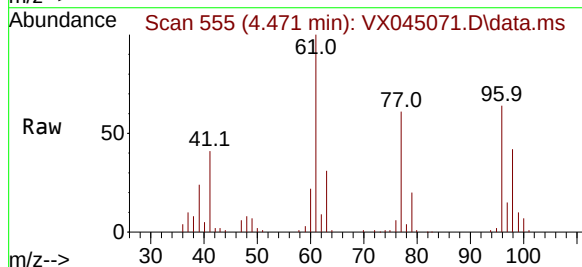
Manual Integrations
APPROVED

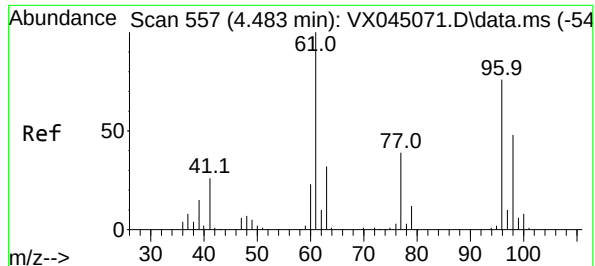
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#26
2,2-Dichloropropane
Concen: 32.498 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 77 Resp: 61631
Ion Ratio Lower Upper
77 100
97 24.7 12.4 37.0





#27

cis-1,2-Dichloroethene

Concen: 49.955 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

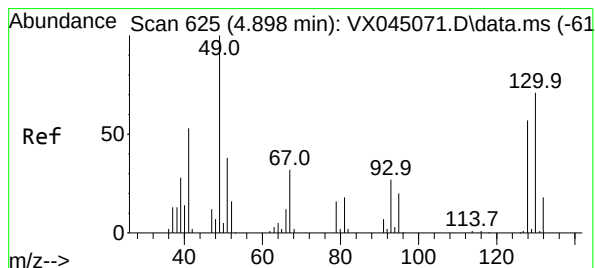
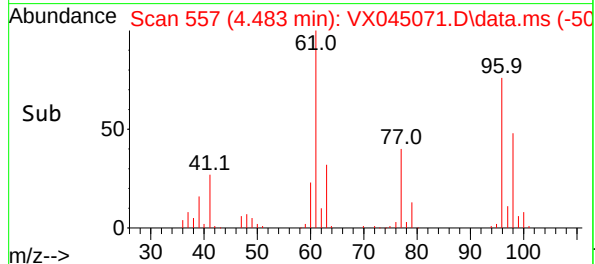
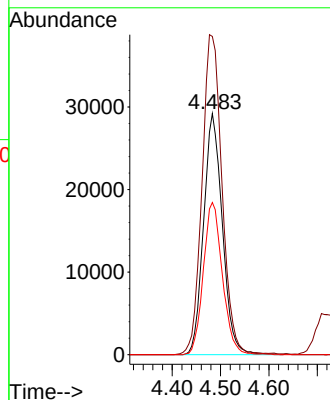
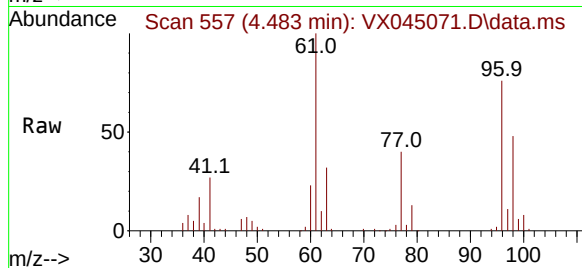
Tgt Ion:	96	Resp:	7865
Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	283.2
98	64.0	0.0	128.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#28

Bromochloromethane

Concen: 50.643 ug/l

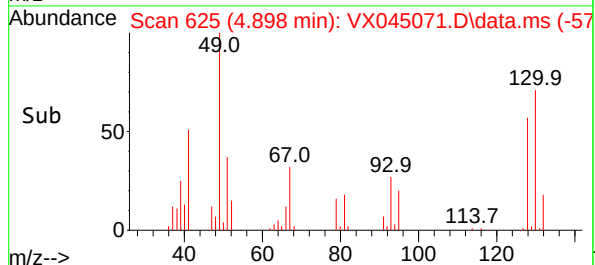
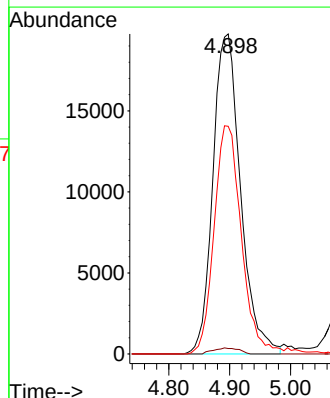
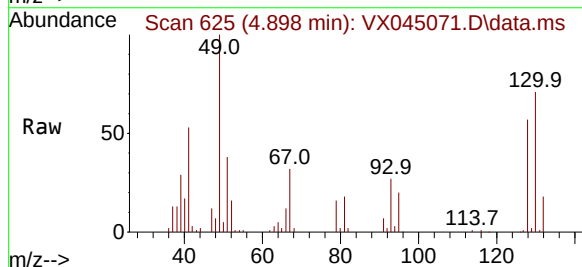
RT: 4.898 min Scan# 625

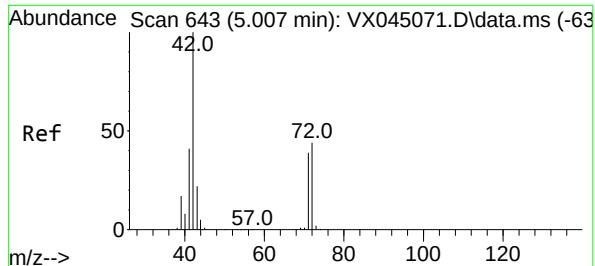
Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Tgt Ion:	49	Resp:	62299
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	70.1	56.1	84.1





#29

Tetrahydrofuran

Concen: 287.345 ug/l

RT: 5.007 min Scan# 643

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 19260

Ion Ratio Lower Upper

42 100

72 42.6 34.1 51.1

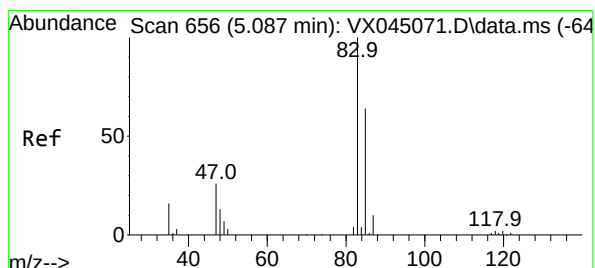
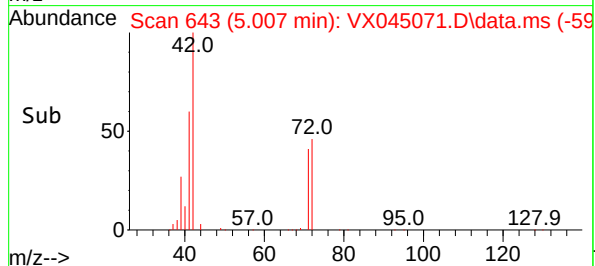
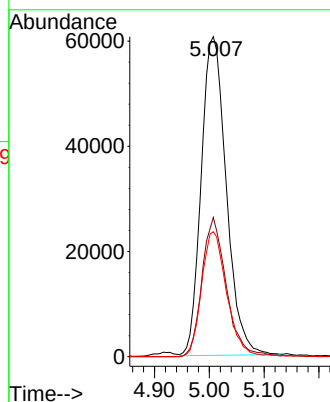
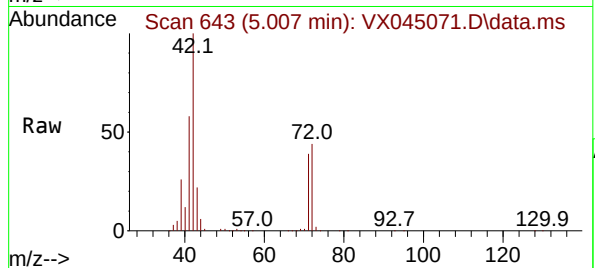
71 39.2 31.4 47.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#30

Chloroform

Concen: 51.532 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX045071.D

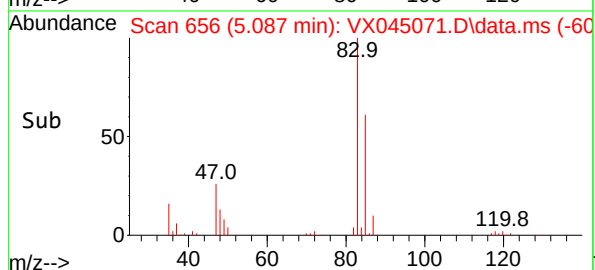
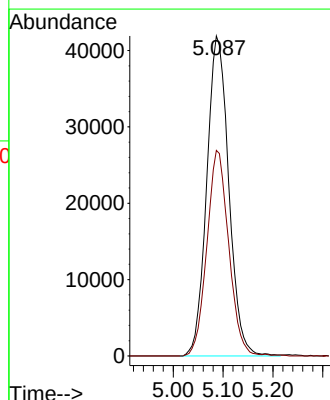
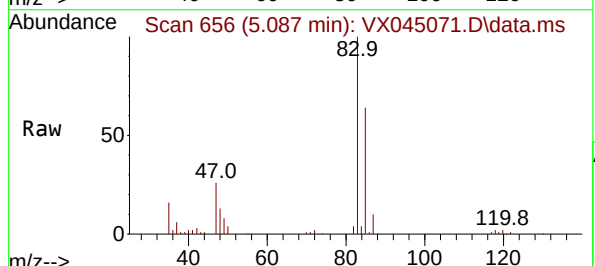
Acq: 28 Feb 2025 03:00

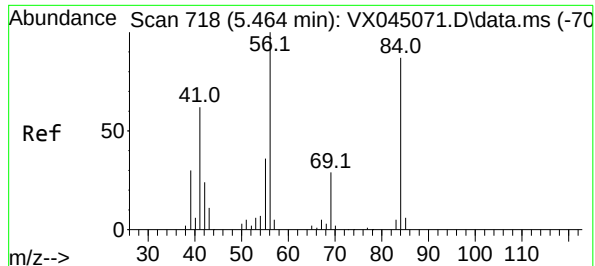
Tgt Ion: 83 Resp: 128581

Ion Ratio Lower Upper

83 100

85 64.3 51.4 77.2





#31

Cyclohexane

Concen: 48.836 ug/l

RT: 5.464 min Scan# 718

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 11433

Ion Ratio Lower Upper

56 100

69 29.3 23.4 35.2

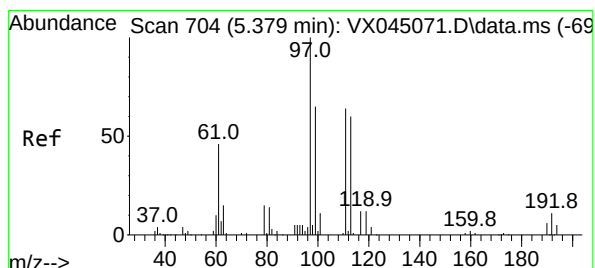
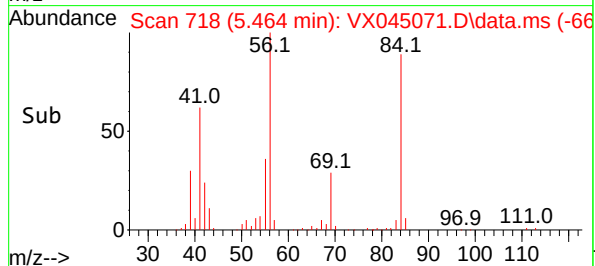
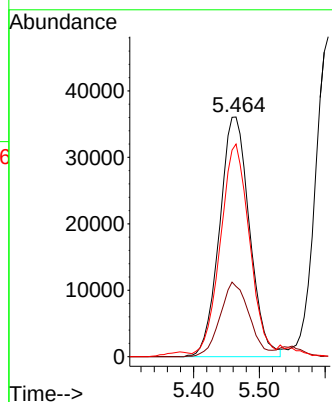
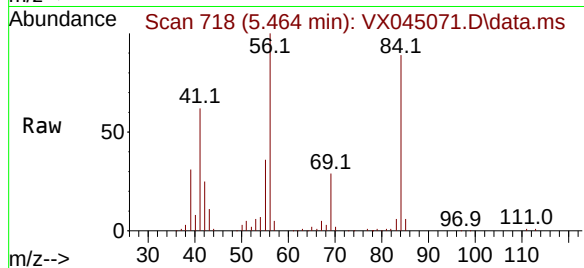
84 86.8 69.4 104.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#32

1,1,1-Trichloroethane

Concen: 50.306 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

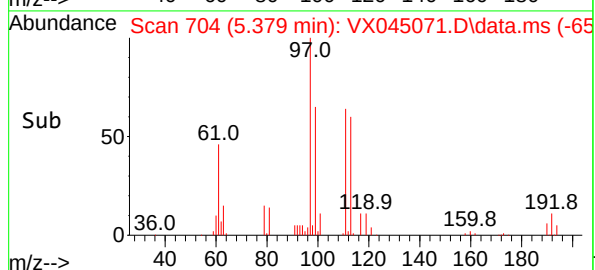
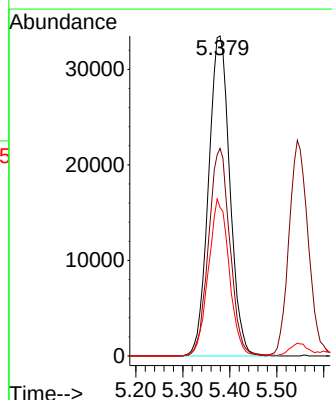
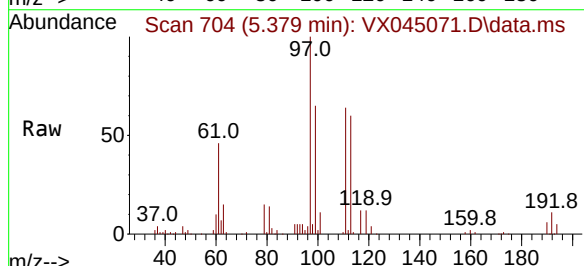
Tgt Ion: 97 Resp: 105671

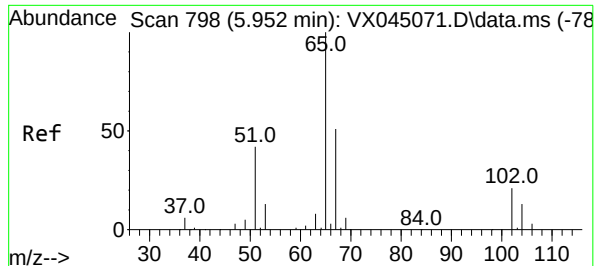
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 48.0 38.4 57.6





#33

1,2-Dichloroethane-d4

Concen: 51.250 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 78159

Ion Ratio Lower Upper

65 100

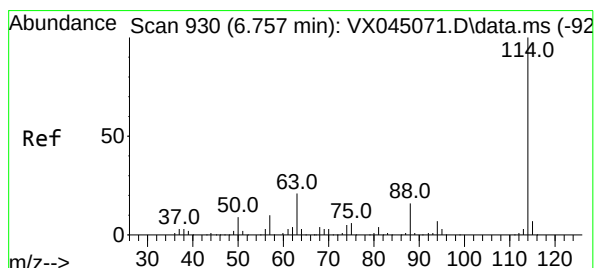
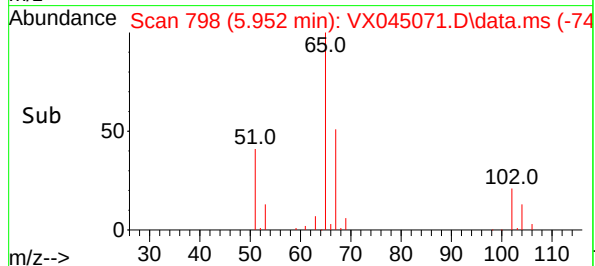
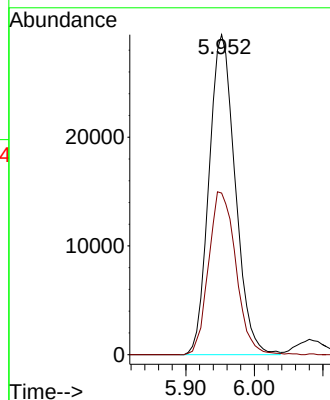
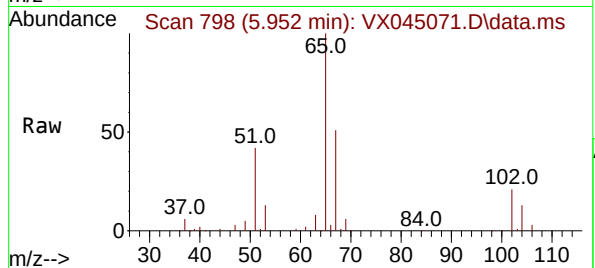
67 53.1 0.0 106.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

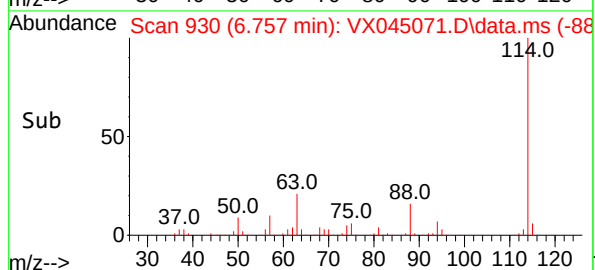
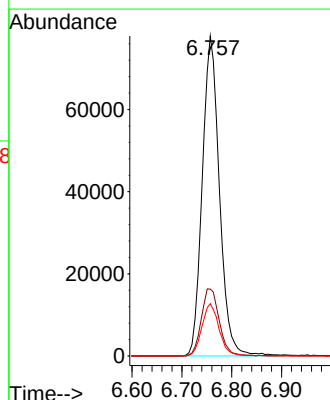
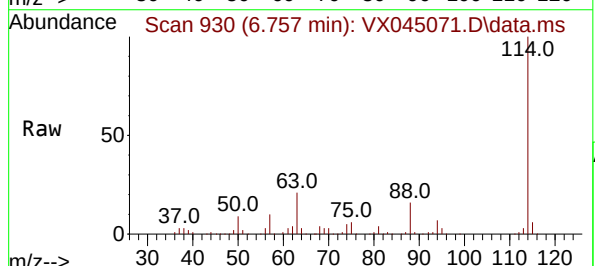
Tgt Ion:114 Resp: 186358

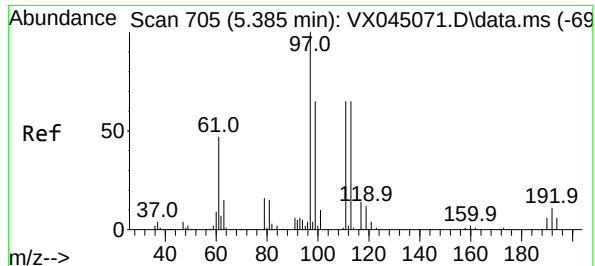
Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.8

88 16.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.346 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:113 Resp: 6132

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.6

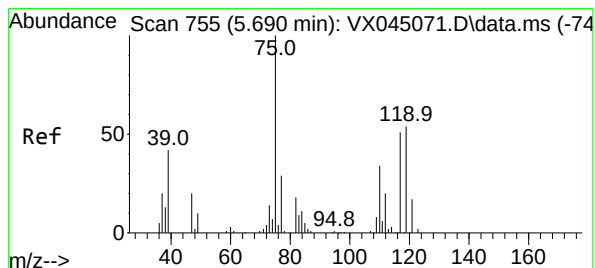
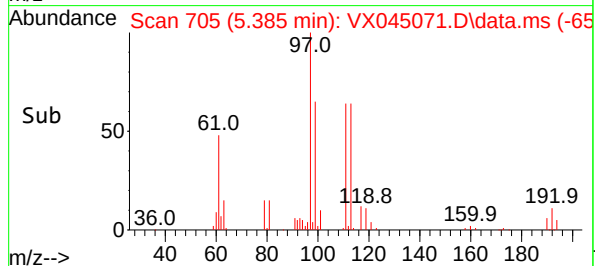
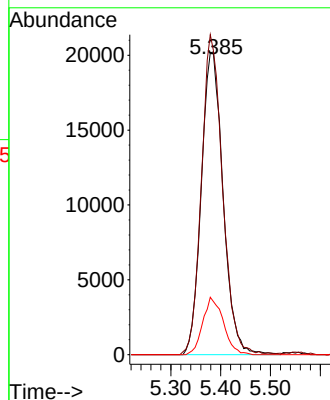
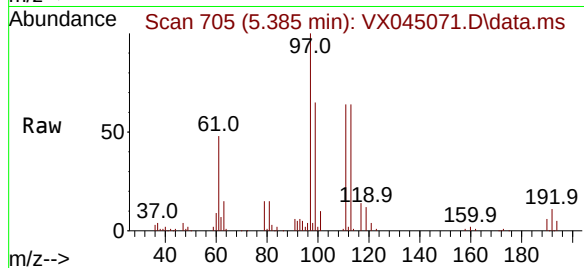
192 17.9 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#36

1,1-Dichloropropene

Concen: 49.861 ug/l

RT: 5.690 min Scan# 755

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

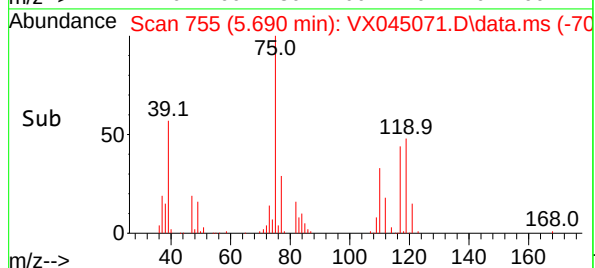
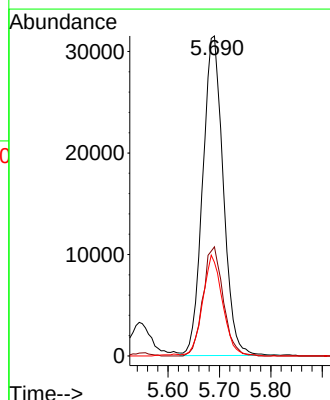
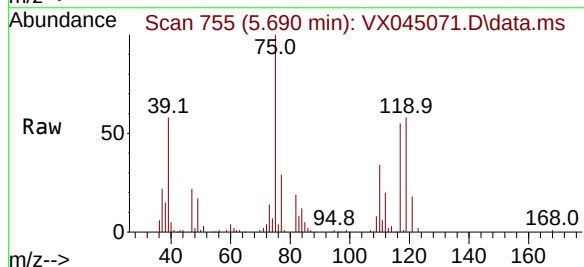
Tgt Ion: 75 Resp: 87338

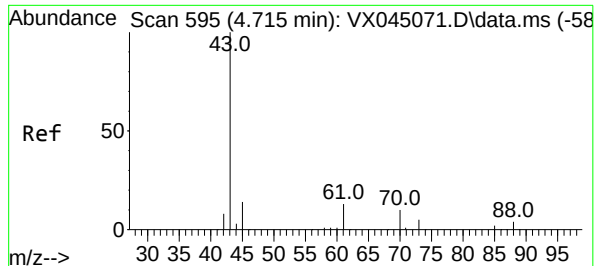
Ion Ratio Lower Upper

75 100

110 33.7 16.9 50.6

77 30.6 24.5 36.7





#37

Ethyl Acetate

Concen: 56.641 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 112892

Ion Ratio Lower Upper

43 100

61 13.5 10.8 16.2

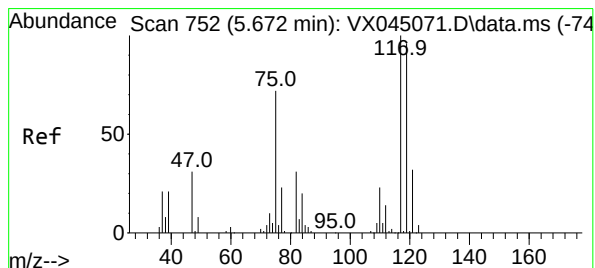
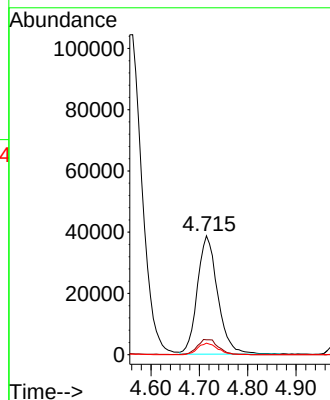
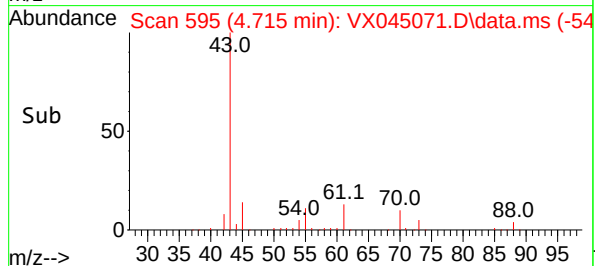
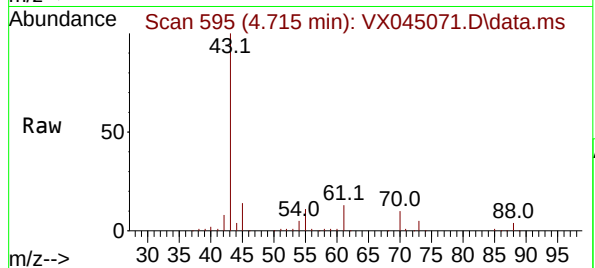
70 9.6 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#38

Carbon Tetrachloride

Concen: 50.593 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

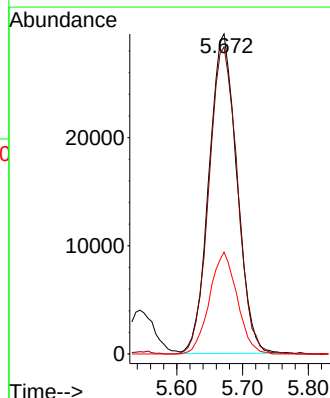
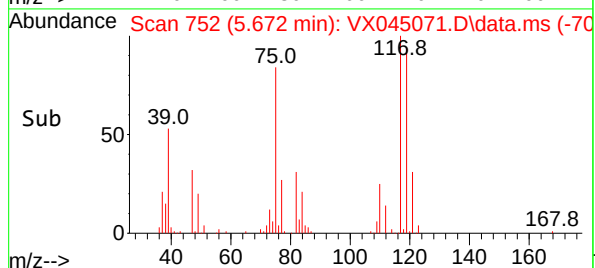
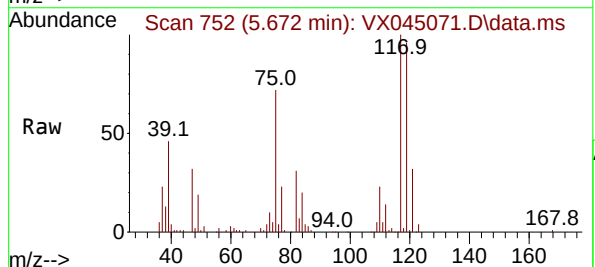
Tgt Ion:117 Resp: 87123

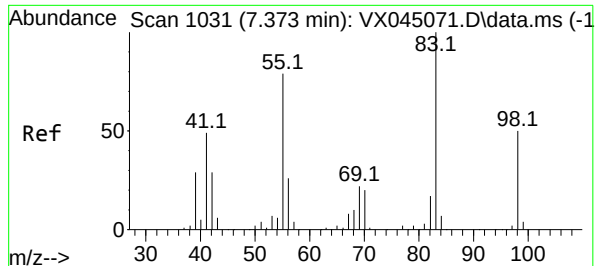
Ion Ratio Lower Upper

117 100

119 95.9 76.7 115.1

121 31.9 25.5 38.3





#39

Methylcyclohexane

Concen: 48.715 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 108974

Ion Ratio Lower Upper

83 100

55 78.7 63.0 94.4

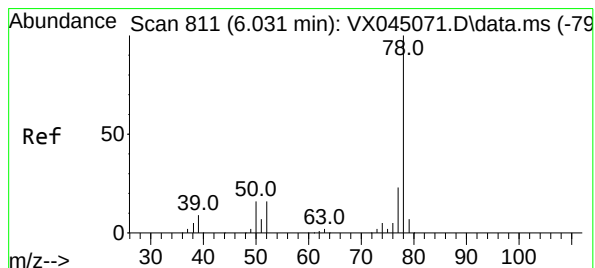
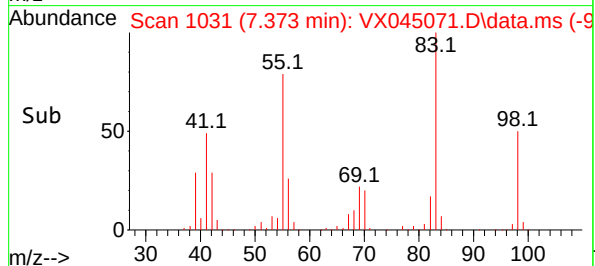
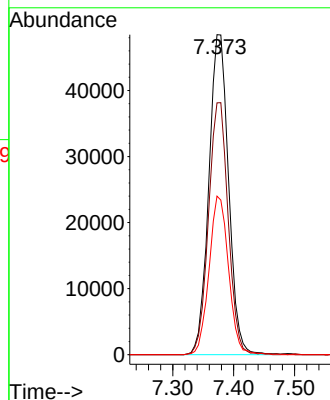
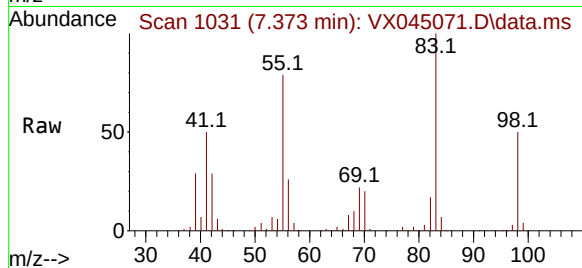
98 49.6 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#40

Benzene

Concen: 50.925 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX045071.D

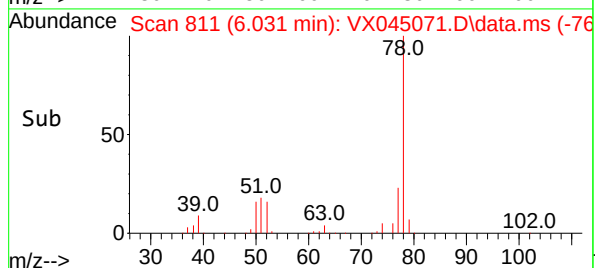
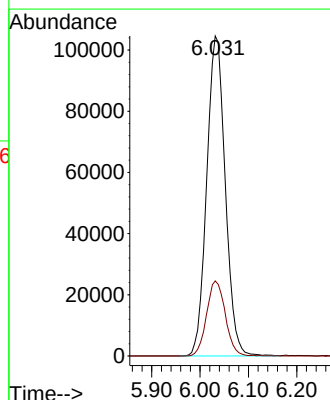
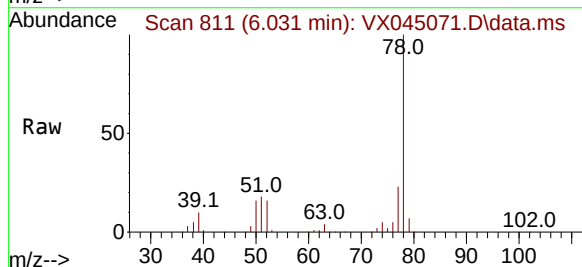
Acq: 28 Feb 2025 03:00

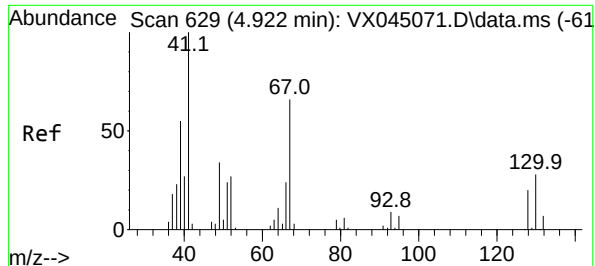
Tgt Ion: 78 Resp: 278802

Ion Ratio Lower Upper

78 100

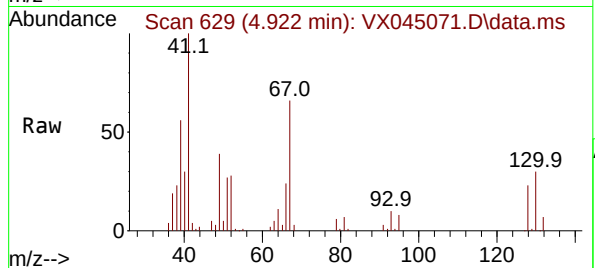
77 23.5 18.8 28.2





#41
Methacrylonitrile
Concen: 59.598 ug/l
RT: 4.922 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

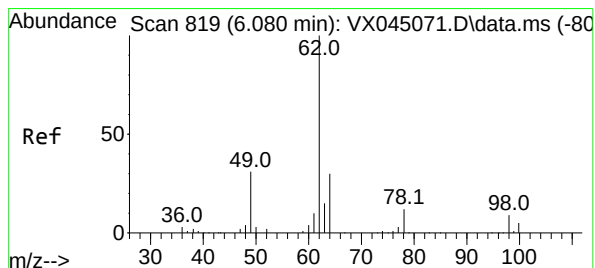
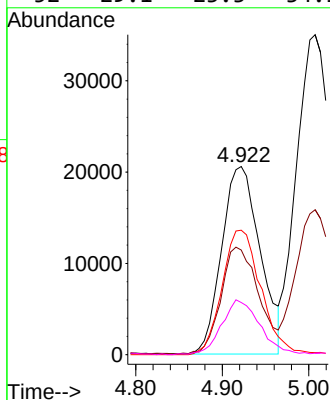
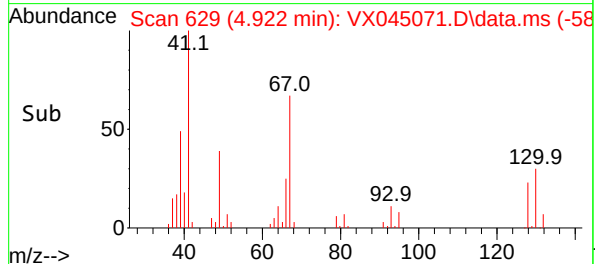
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 41 Resp: 63454
Ion Ratio Lower Upper
41 100
39 55.8 44.6 67.0
67 67.4 53.9 80.9
52 29.1 23.3 34.9

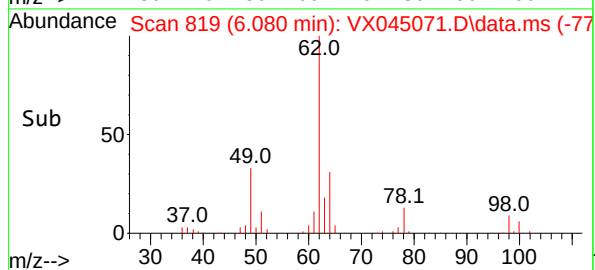
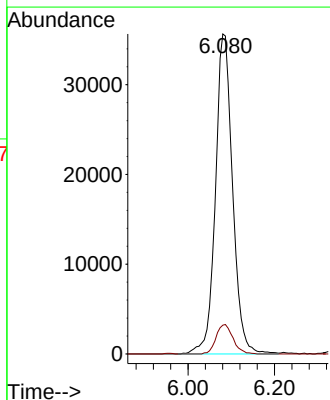
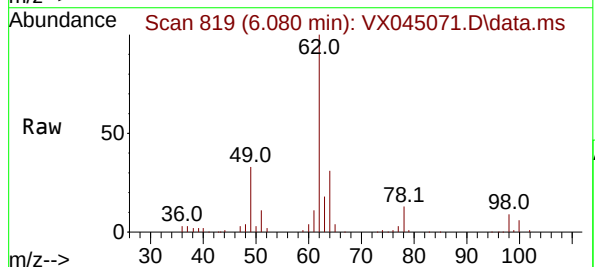
Manual Integrations
APPROVED

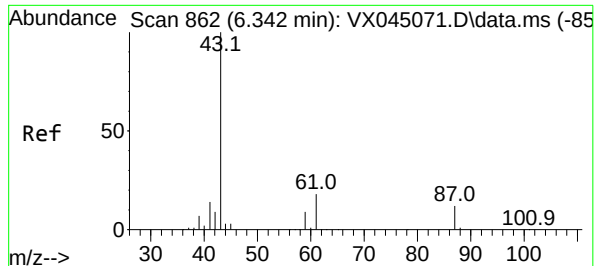
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#42
1,2-Dichloroethane
Concen: 55.428 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 62 Resp: 98340
Ion Ratio Lower Upper
62 100
98 9.1 0.0 18.2





#43

Isopropyl Acetate

Concen: 54.544 ug/l

RT: 6.342 min Scan# 80

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 17304

Ion Ratio Lower Upper

43

100

61

18.6

87

11.8

14.9

9.4

22.3

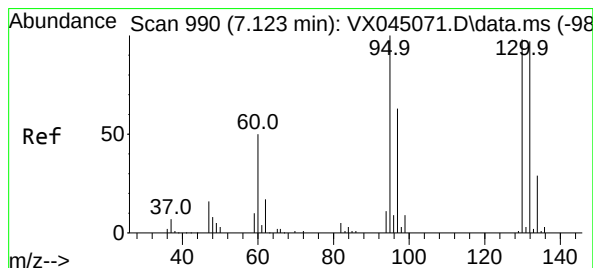
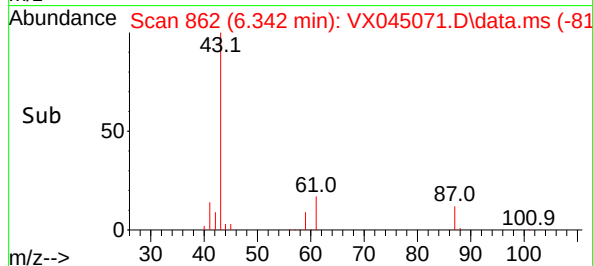
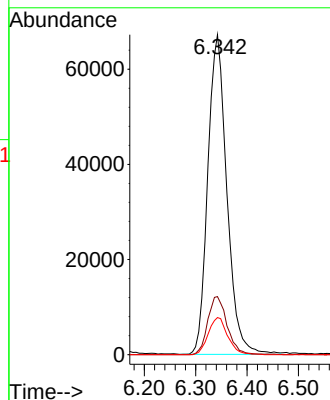
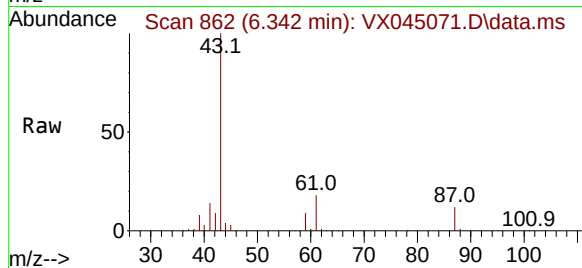
14.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#44

Trichloroethene

Concen: 50.756 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Tgt Ion:130 Resp: 63513

Ion Ratio Lower Upper

130

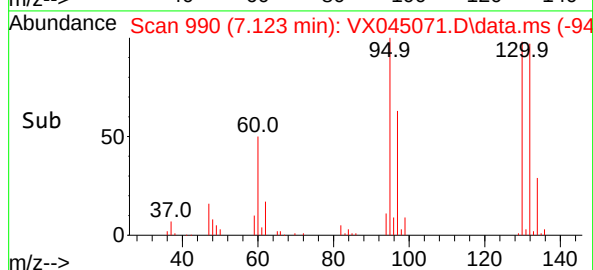
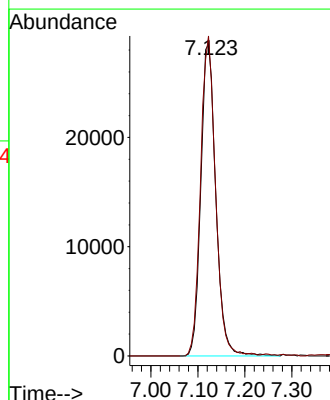
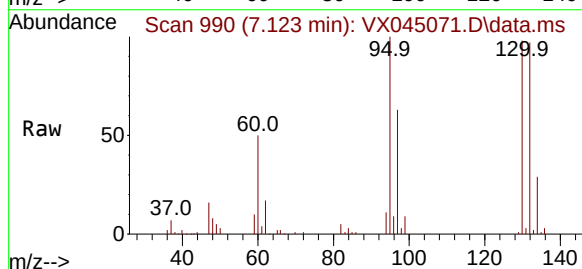
100

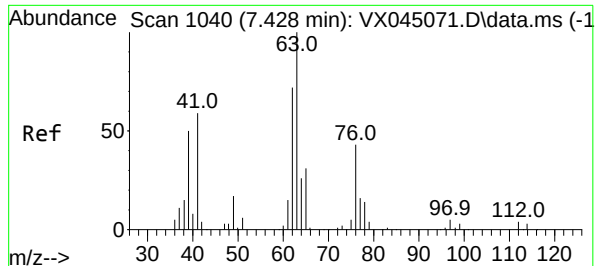
95

102.5

0.0

205.0





#45

1,2-Dichloropropane

Concen: 50.808 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 69128

Ion Ratio Lower Upper

63 100

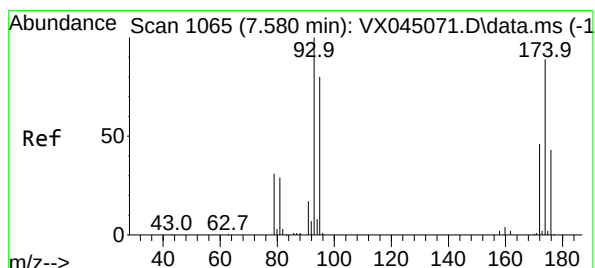
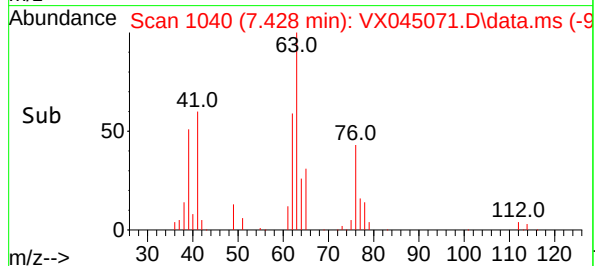
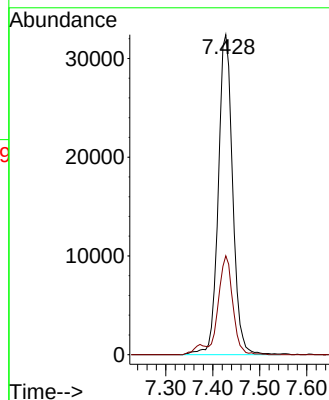
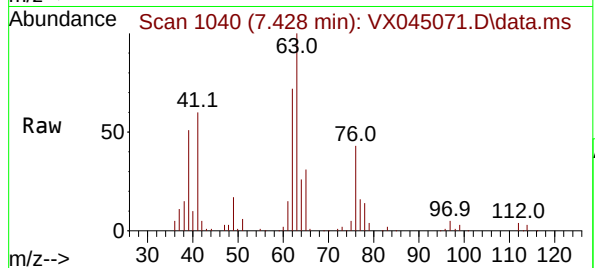
65 30.9 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#46

Dibromomethane

Concen: 52.757 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

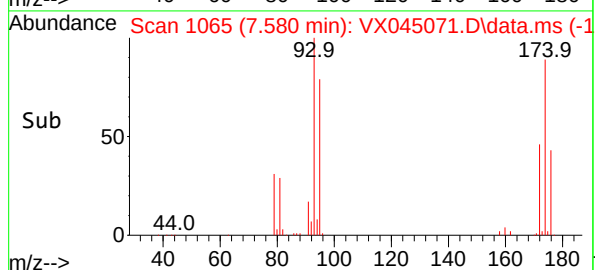
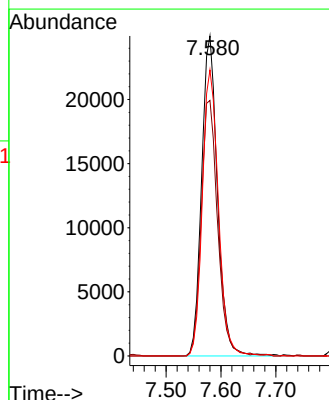
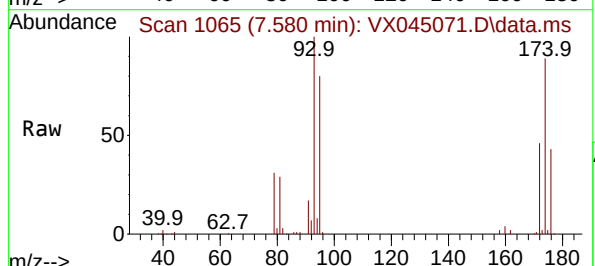
Tgt Ion: 93 Resp: 50143

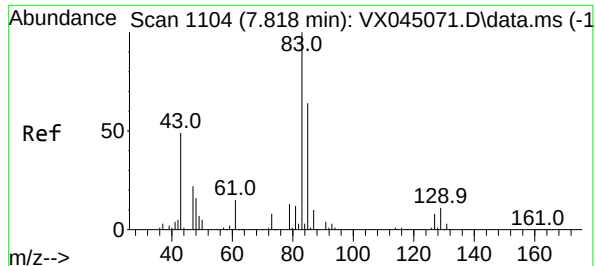
Ion Ratio Lower Upper

93 100

95 82.3 65.8 98.8

174 90.2 72.2 108.2





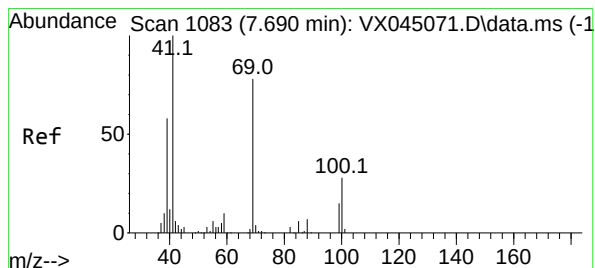
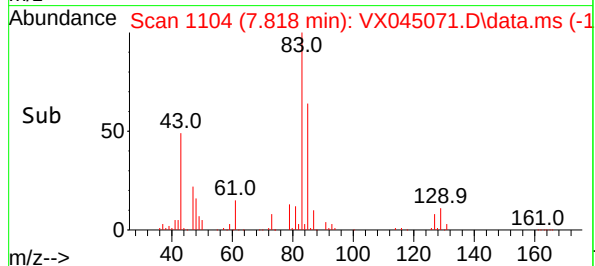
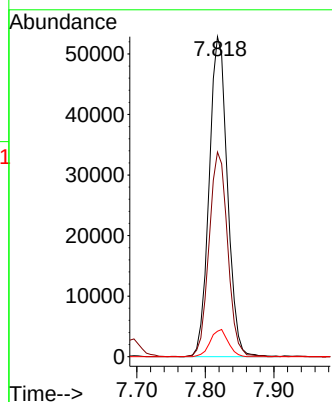
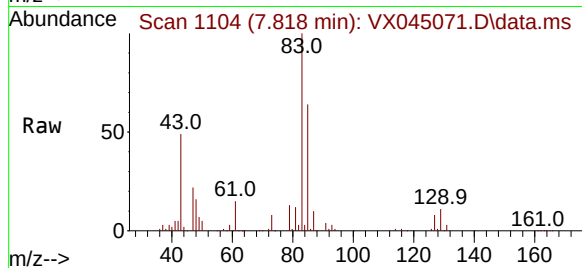
#47
Bromodichloromethane
Concen: 53.153 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 97729
Ion Ratio Lower Upper
83 100
85 63.9 51.1 76.7
127 8.0 6.4 9.6

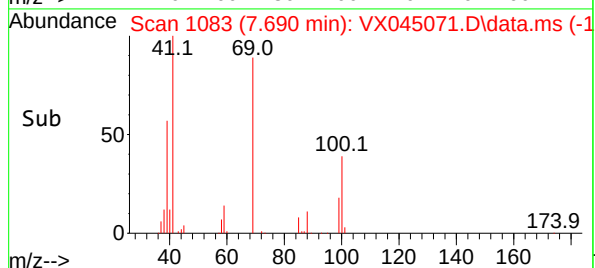
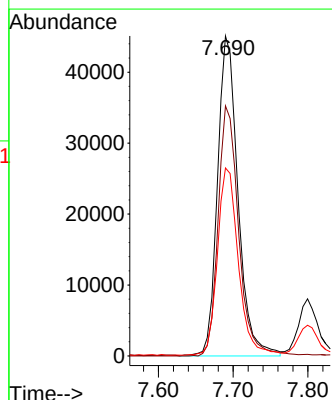
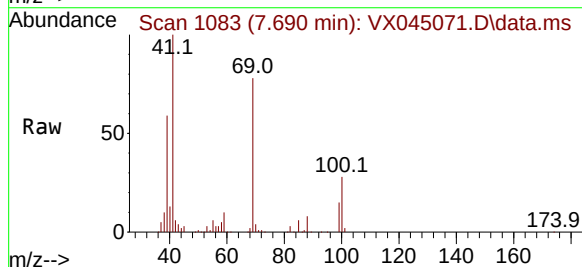
Manual Integrations
APPROVED

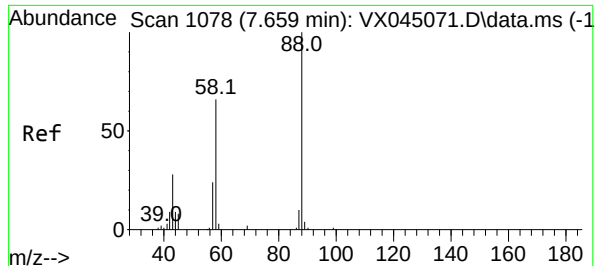
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#48
Methyl methacrylate
Concen: 57.256 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 41 Resp: 86231
Ion Ratio Lower Upper
41 100
69 78.8 63.0 94.6
39 59.4 47.5 71.3





#49

1,4-Dioxane

Concen: 1095.003 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

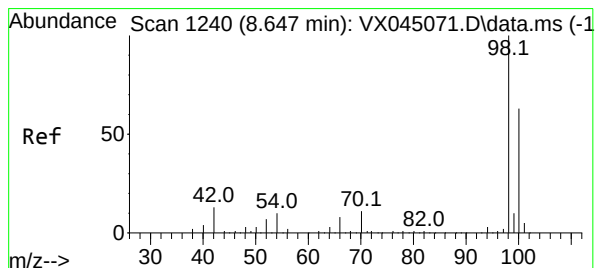
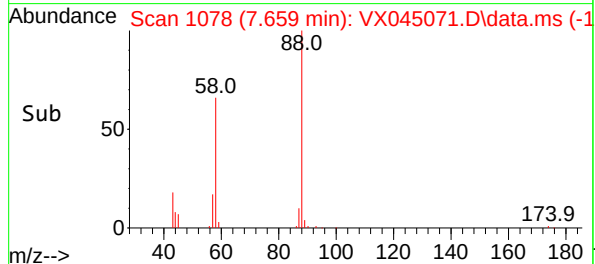
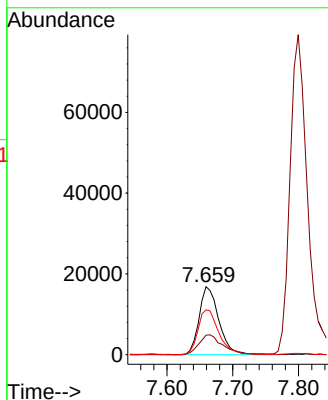
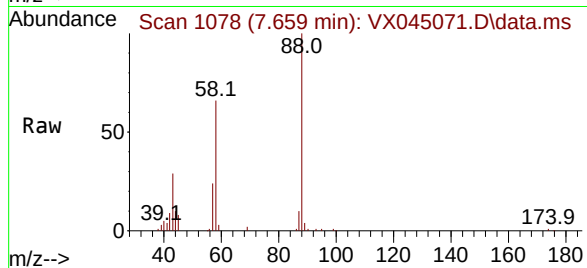
Tgt Ion:	88	Resp:	3505
Ion Ratio	Lower	Upper	
88	100		
43	35.9	28.7	43.1
58	69.8	55.8	83.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#50

Toluene-d8

Concen: 49.449 ug/l

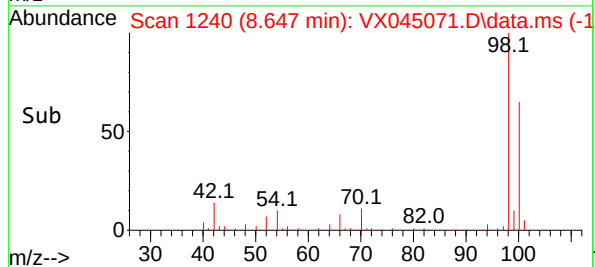
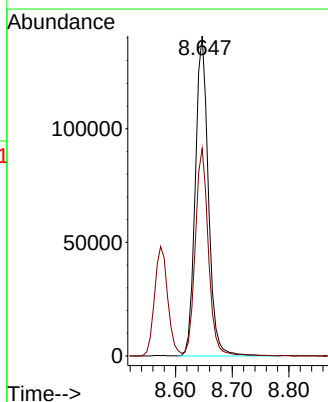
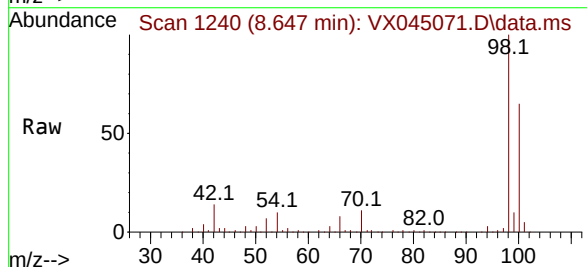
RT: 8.647 min Scan# 1240

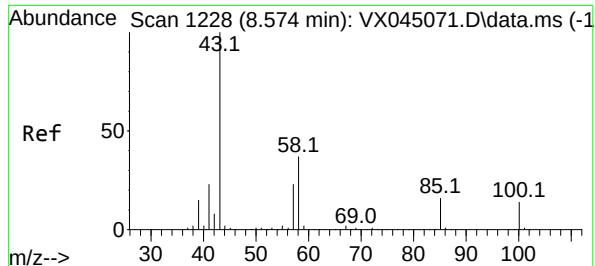
Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Tgt Ion:	98	Resp:	225493
Ion Ratio	Lower	Upper	
98	100		
100	65.0	52.0	78.0





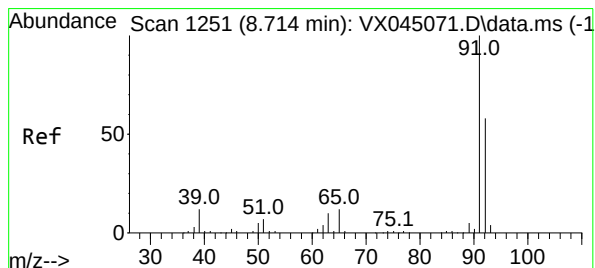
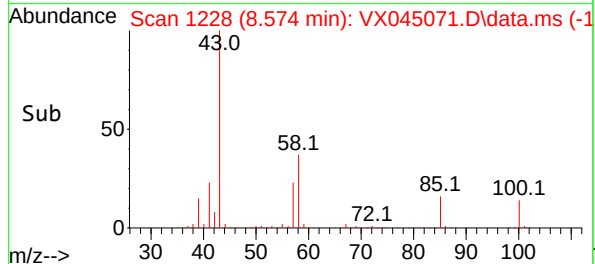
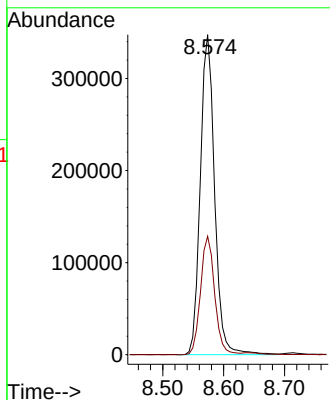
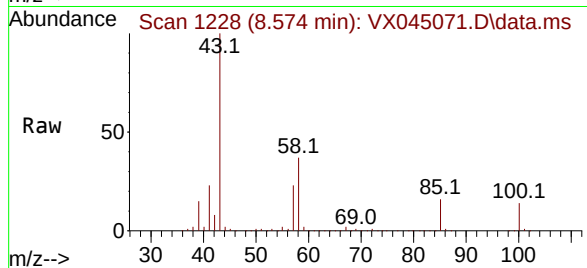
#51
4-Methyl-2-Pentanone
Concen: 292.570 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 56873
Ion Ratio Lower Upper
43 100
58 36.5 29.2 43.8

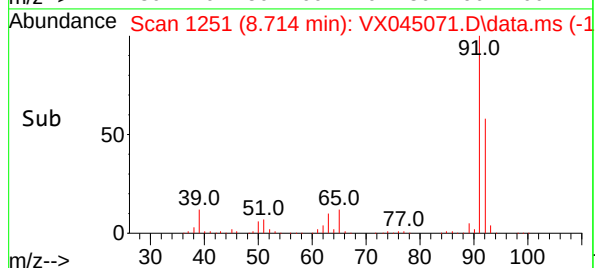
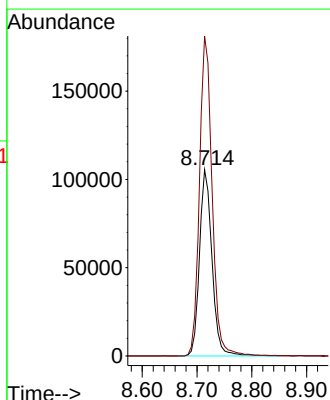
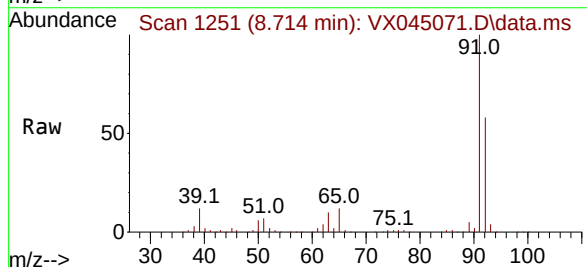
Manual Integrations
APPROVED

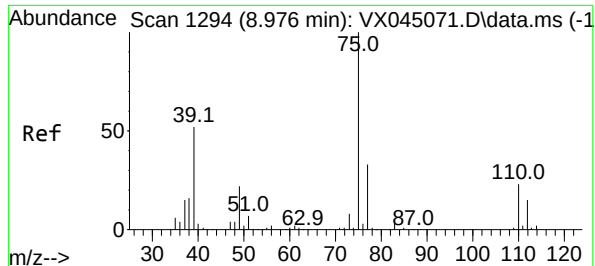
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#52
Toluene
Concen: 51.505 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 92 Resp: 167431
Ion Ratio Lower Upper
92 100
91 173.6 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 48.078 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 75 Resp: 8737

Ion Ratio Lower Upper

75 100

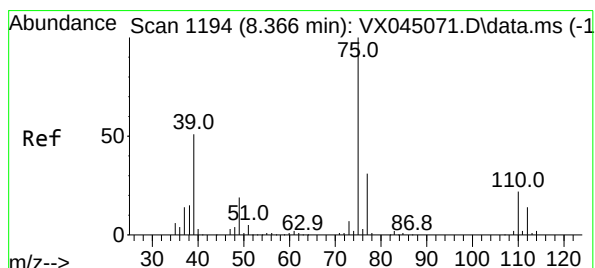
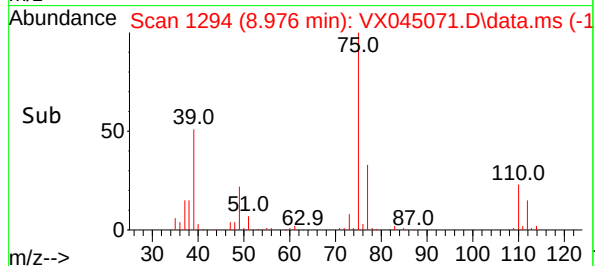
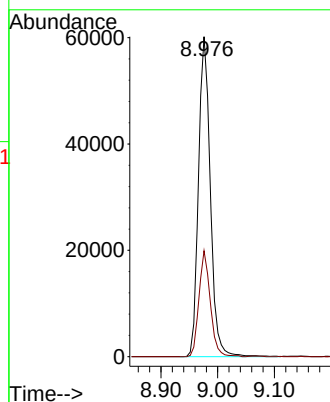
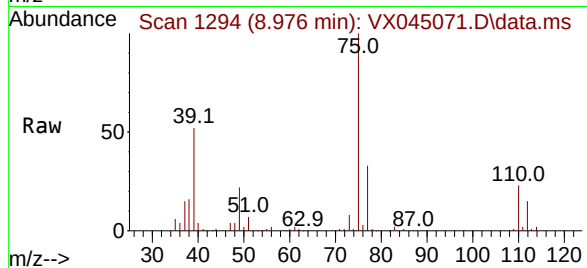
77 33.1 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#54

cis-1,3-Dichloropropene

Concen: 49.079 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

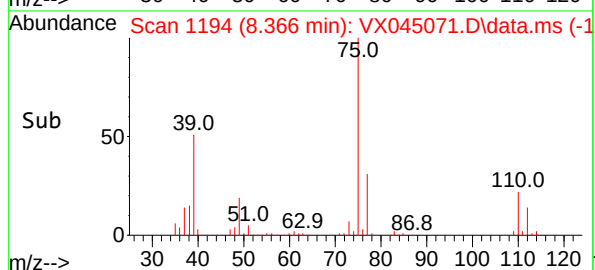
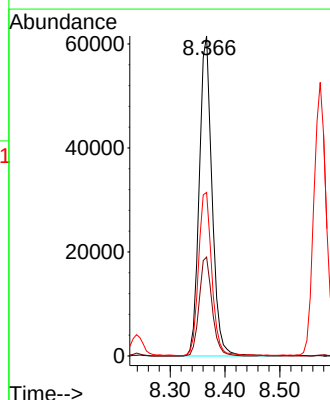
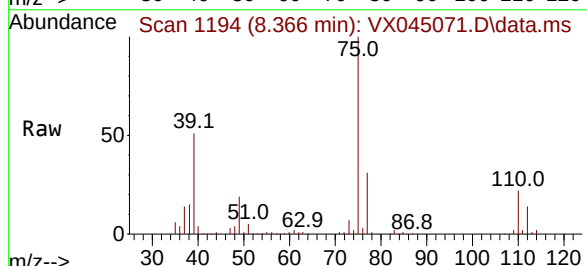
Tgt Ion: 75 Resp: 99713

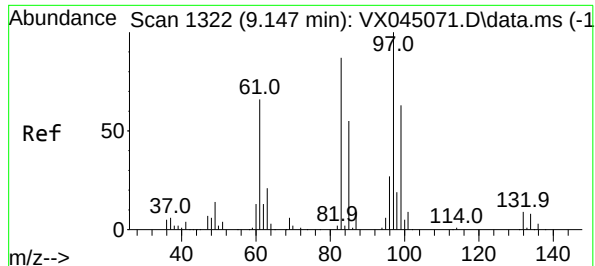
Ion Ratio Lower Upper

75 100

77 30.9 24.7 37.1

39 50.9 40.7 61.1





#55

1,1,2-Trichloroethane

Concen: 52.724 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 66379

Ion Ratio Lower Upper

97 100

83 86.8 69.4 104.2

85 55.1 44.1 66.1

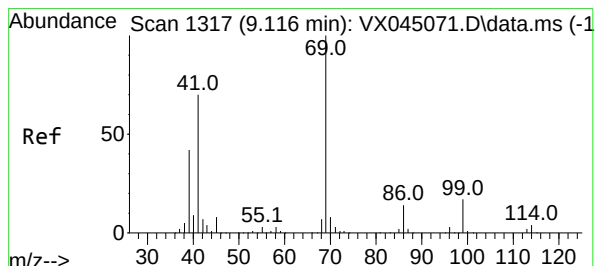
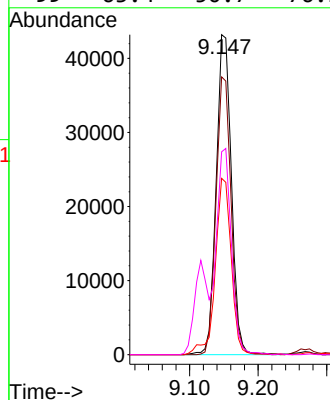
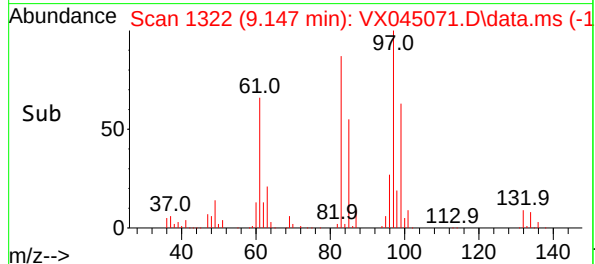
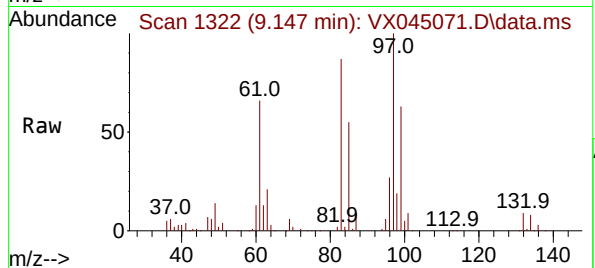
99 63.4 50.7 76.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#56

Ethyl methacrylate

Concen: 52.724 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

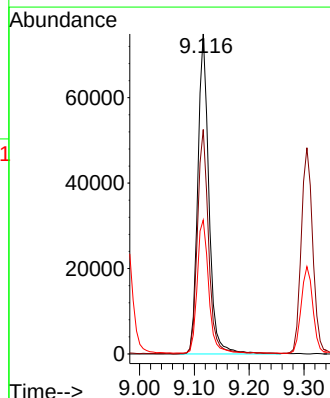
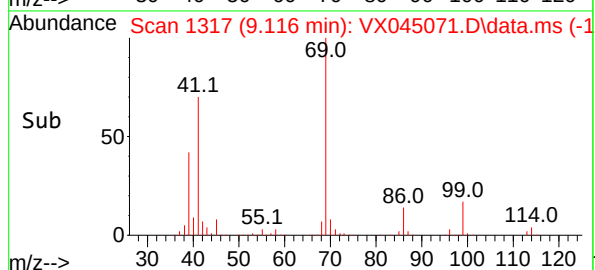
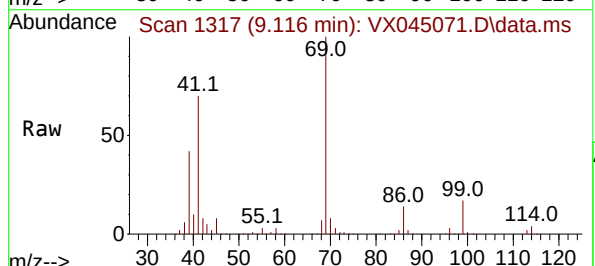
Tgt Ion: 69 Resp: 106157

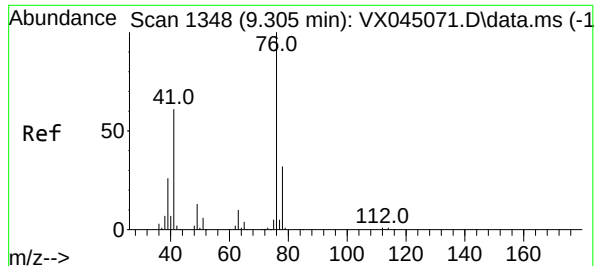
Ion Ratio Lower Upper

69 100

41 71.2 57.0 85.4

39 42.8 34.2 51.4





#57

1,3-Dichloropropane

Concen: 52.594 ug/l

RT: 9.305 min Scan# 11548

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 11548

Ion Ratio Lower Upper

76 100

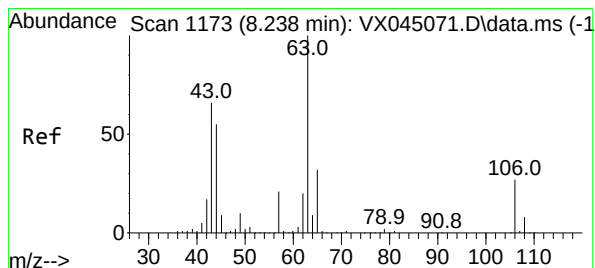
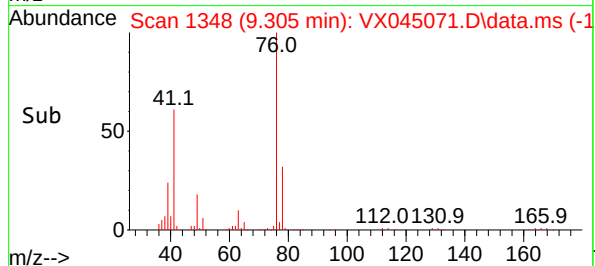
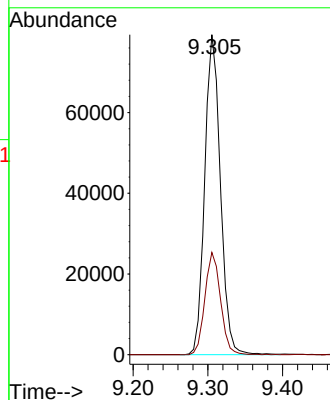
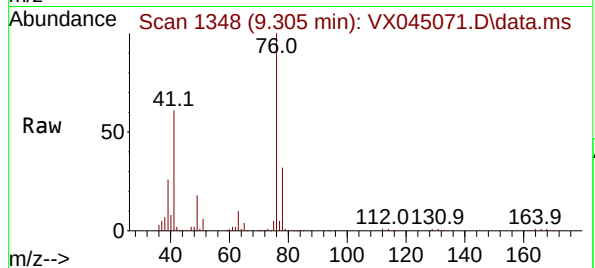
78 31.9 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#58

2-Chloroethyl Vinyl ether

Concen: 267.612 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX045071.D

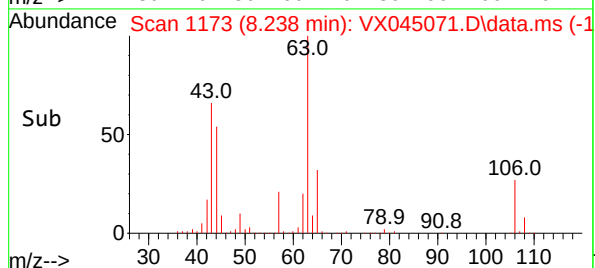
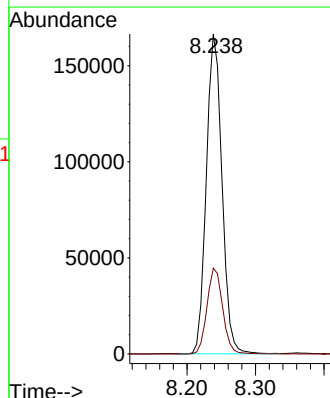
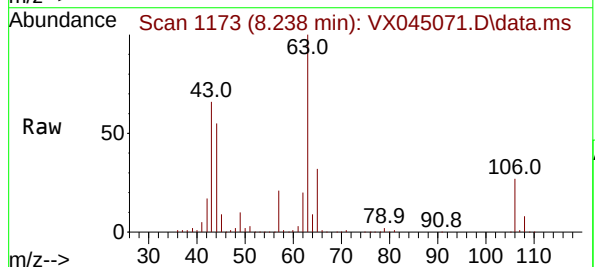
Acq: 28 Feb 2025 03:00

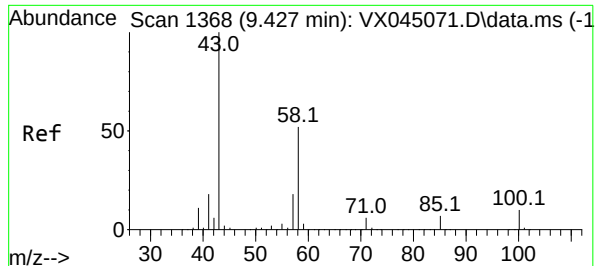
Tgt Ion: 63 Resp: 264555

Ion Ratio Lower Upper

63 100

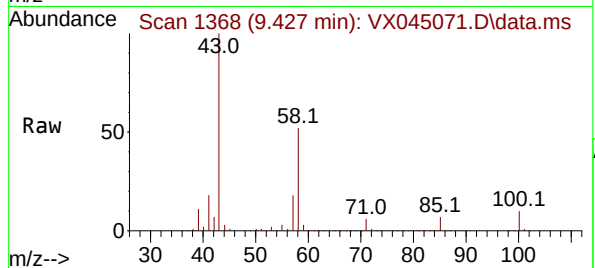
106 26.9 21.5 32.3





#59
2-Hexanone
Concen: 297.362 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

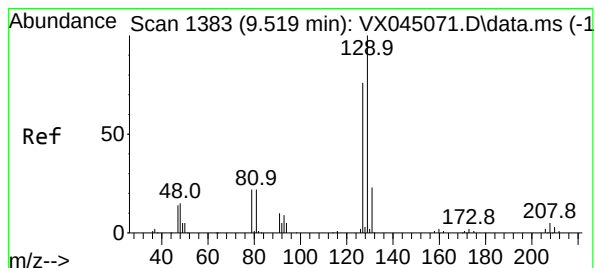
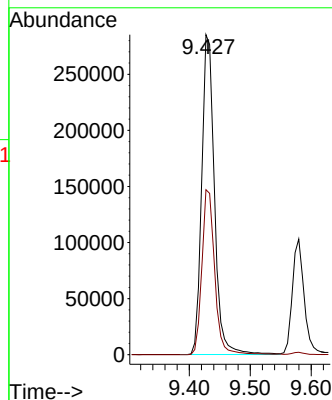
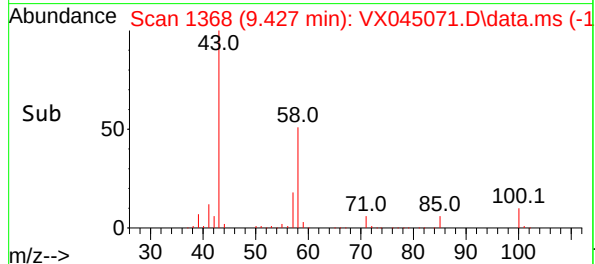
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 43 Resp: 416984
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.6

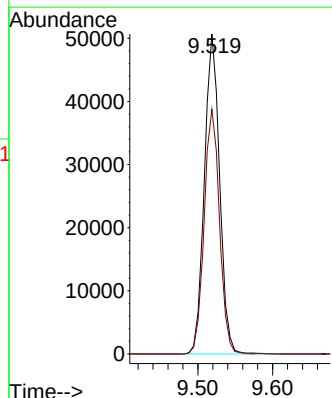
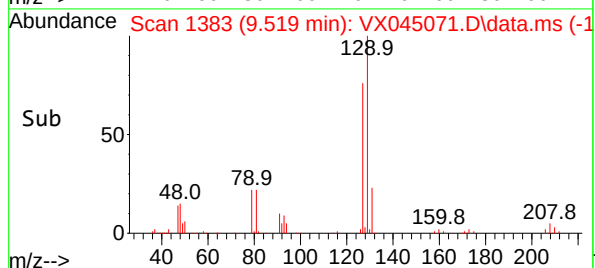
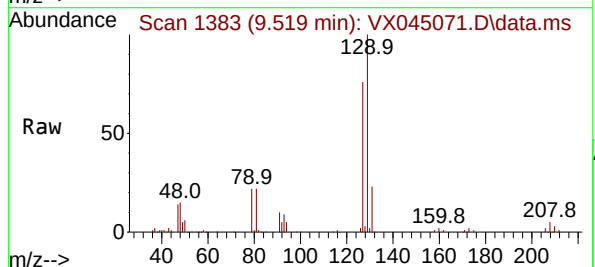
Manual Integrations
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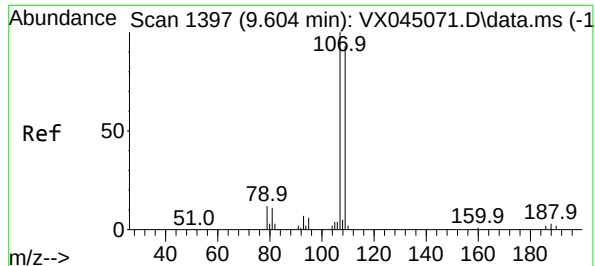
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#60
Dibromochloromethane
Concen: 53.284 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:129 Resp: 71569
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





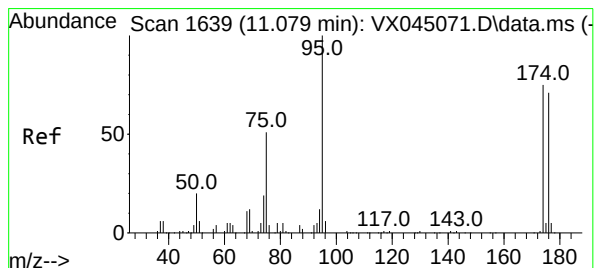
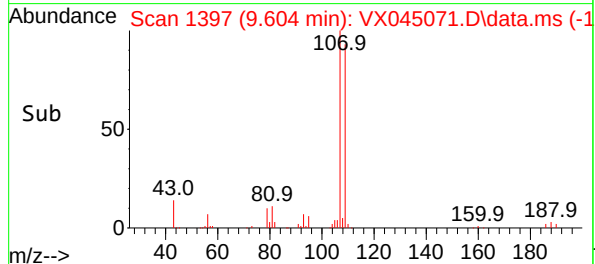
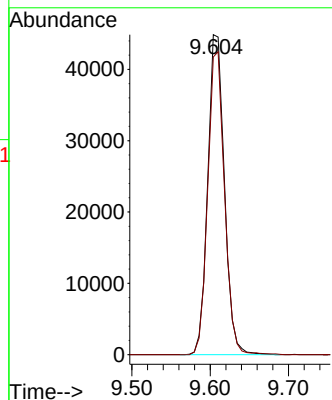
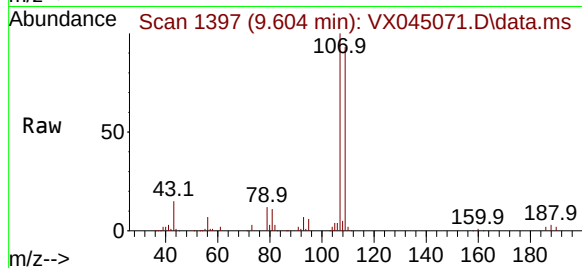
#61
1,2-Dibromoethane
Concen: 52.217 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 66312
Ion Ratio Lower Upper
107 100
109 95.1 76.1 114.1

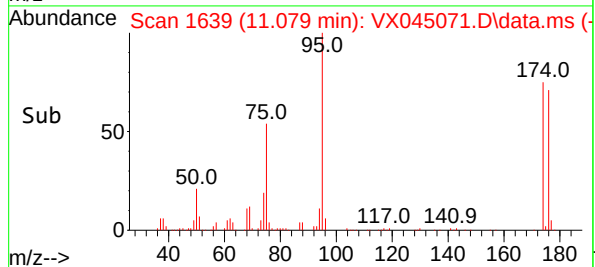
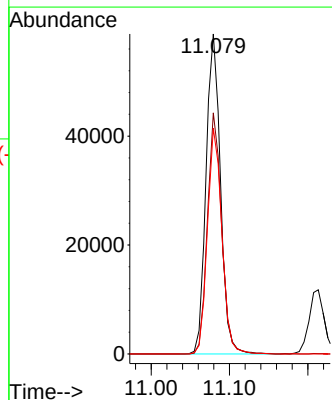
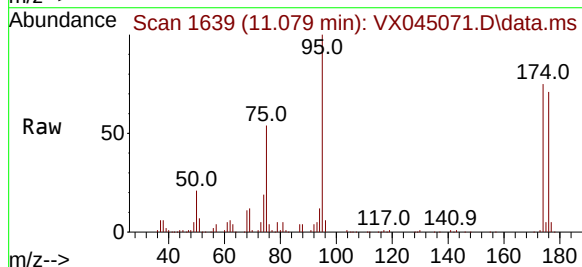
Manual Integrations
APPROVED

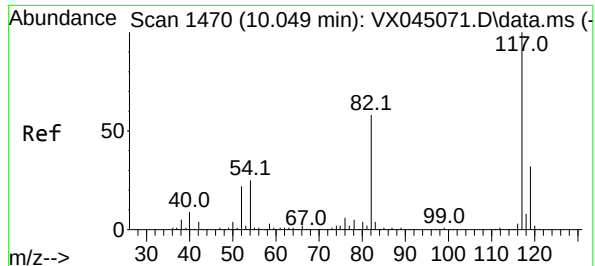
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#62
4-Bromofluorobenzene
Concen: 49.212 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 95 Resp: 74945
Ion Ratio Lower Upper
95 100
174 74.1 0.0 148.2
176 70.7 0.0 141.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:117 Resp: 162079

Ion Ratio Lower Upper

117 100

82 57.9 46.3 69.5

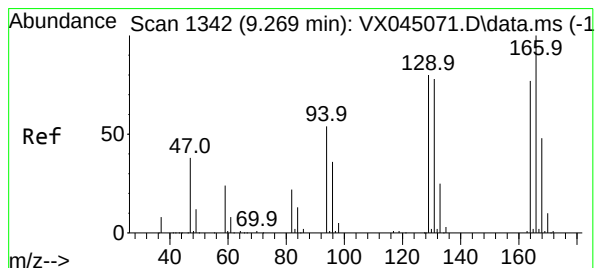
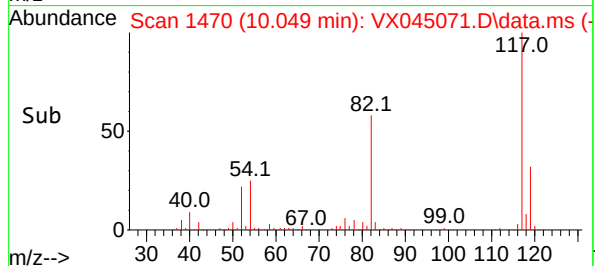
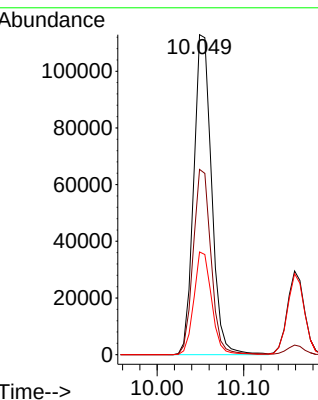
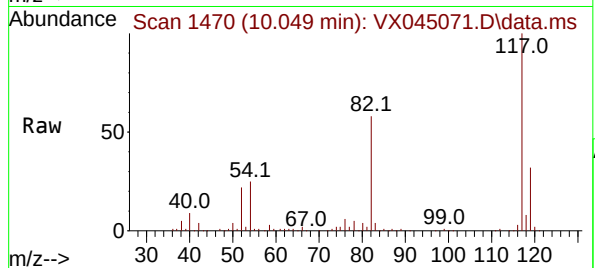
119 32.1 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#64

Tetrachloroethene

Concen: 51.021 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Tgt Ion:164 Resp: 52531

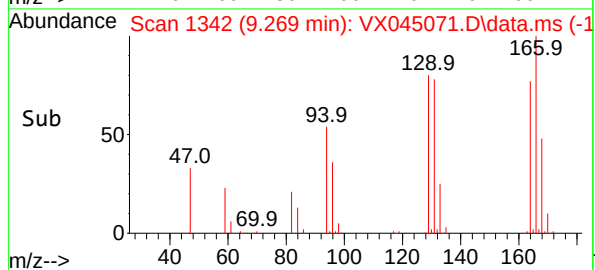
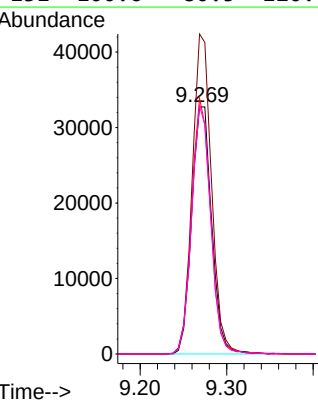
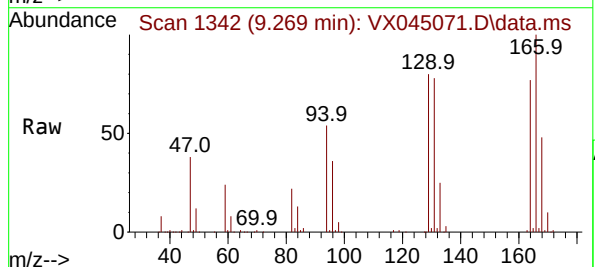
Ion Ratio Lower Upper

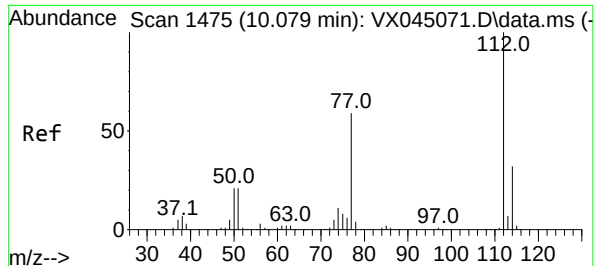
164 100

166 129.5 103.6 155.4

129 103.4 82.7 124.1

131 100.6 80.5 120.7





#65

Chlorobenzene

Concen: 50.853 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:112 Resp: 17692

Ion Ratio Lower Upper

112 100

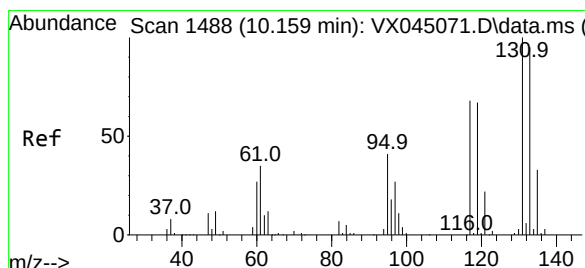
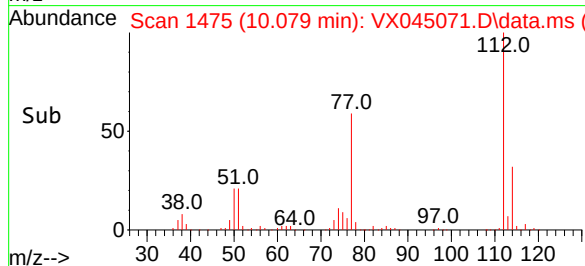
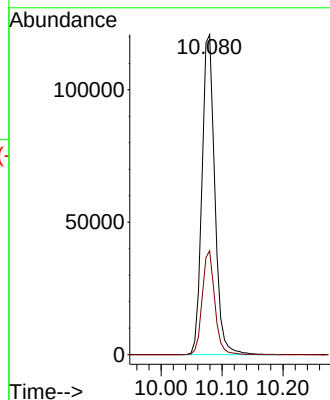
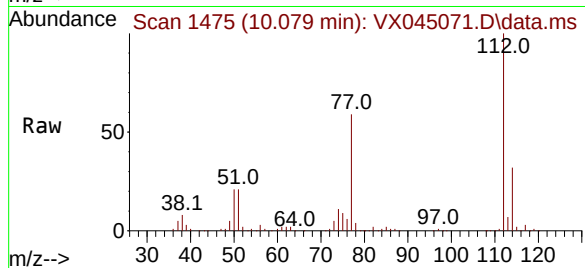
114 32.5 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 51.402 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

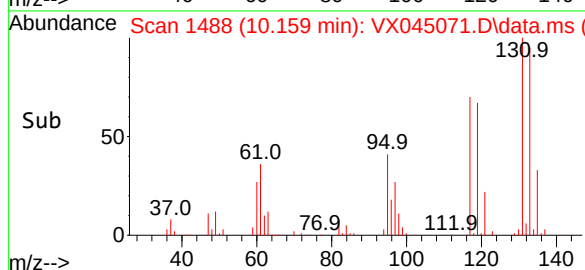
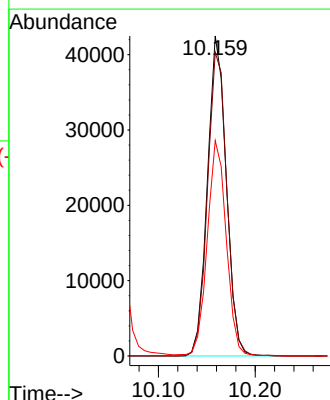
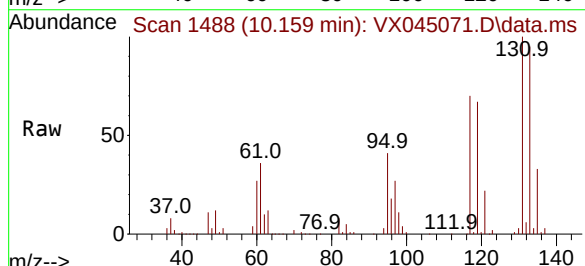
Tgt Ion:131 Resp: 57642

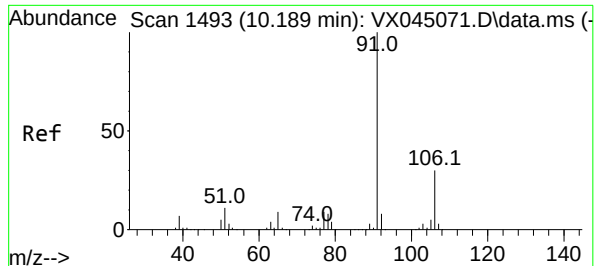
Ion Ratio Lower Upper

131 100

133 97.3 48.6 145.9

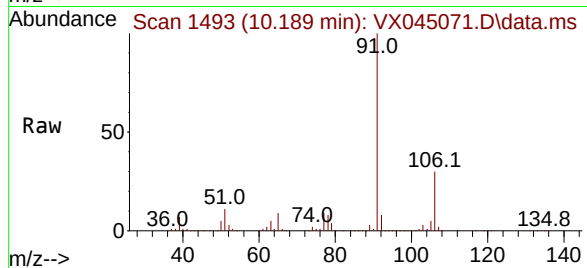
119 67.8 33.9 101.7





#67
Ethyl Benzene
Concen: 51.431 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

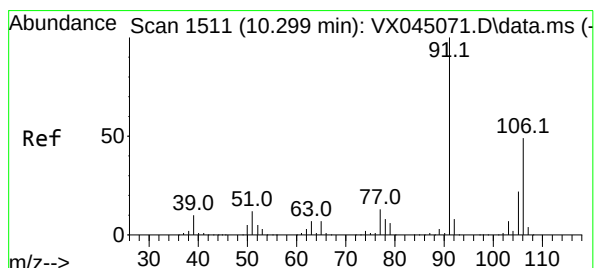
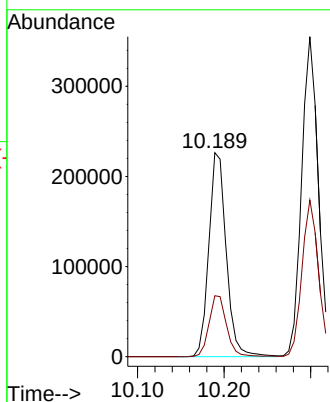
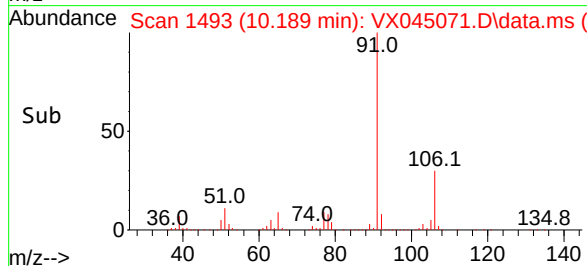
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 91 Resp: 31642
Ion Ratio Lower Upper
91 100
106 29.9 23.9 35.9

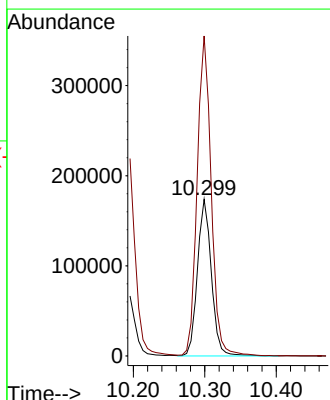
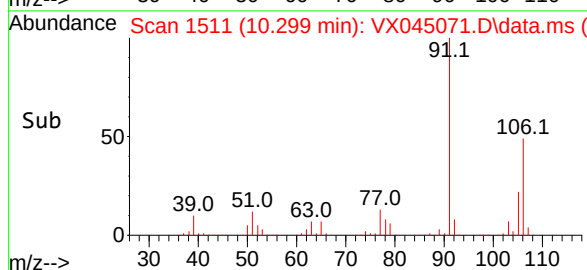
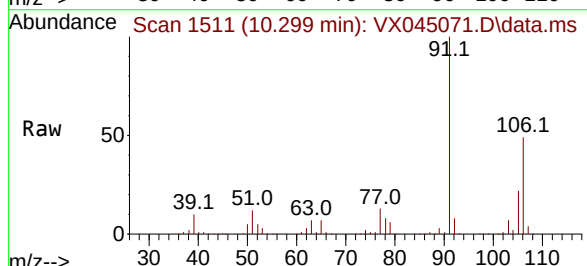
Manual Integrations
APPROVED

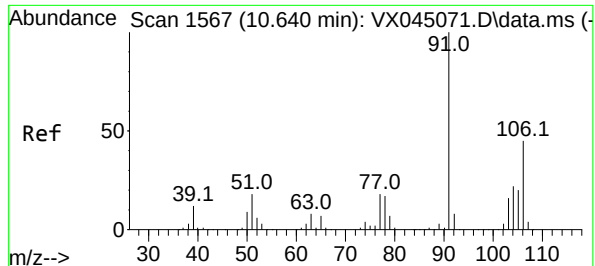
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#68
m/p-Xylenes
Concen: 103.515 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:106 Resp: 234554
Ion Ratio Lower Upper
106 100
91 206.7 165.4 248.0





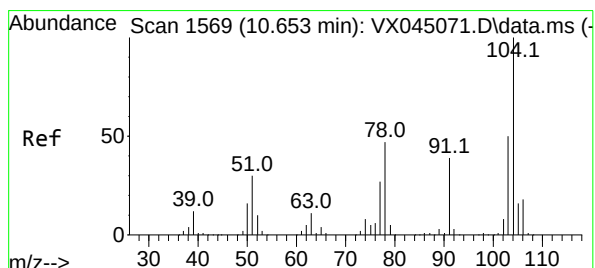
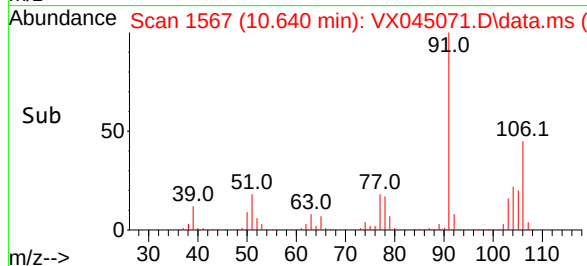
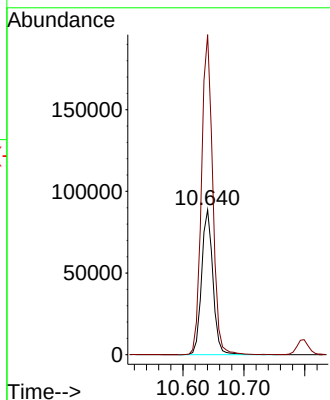
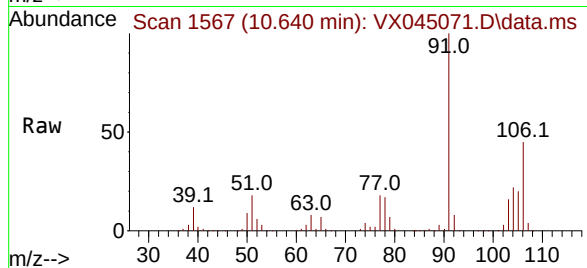
#69
o-Xylene
Concen: 50.341 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 114440
Ion Ratio Lower Upper
106 100
91 219.7 109.9 329.6

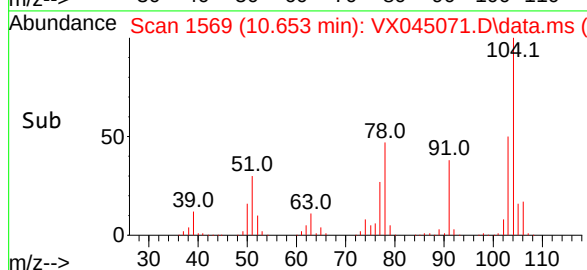
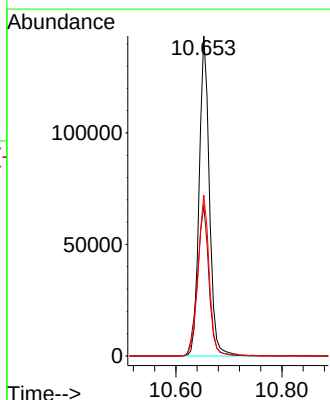
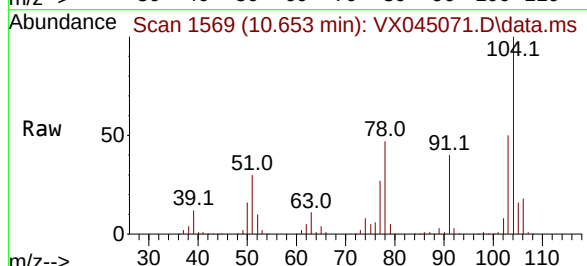
Manual Integrations
APPROVED

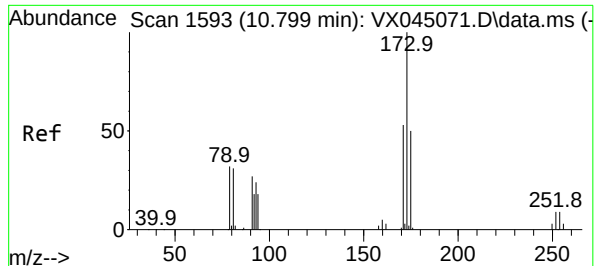
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#70
Styrene
Concen: 52.387 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

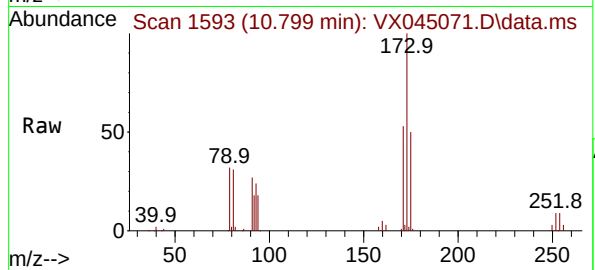
Tgt Ion:104 Resp: 191406
Ion Ratio Lower Upper
104 100
78 52.8 42.2 63.4
103 54.8 43.8 65.8





#71
Bromoform
Concen: 53.645 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

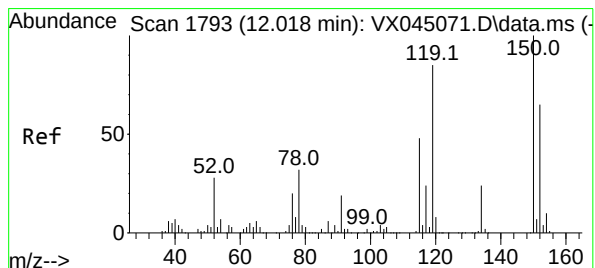
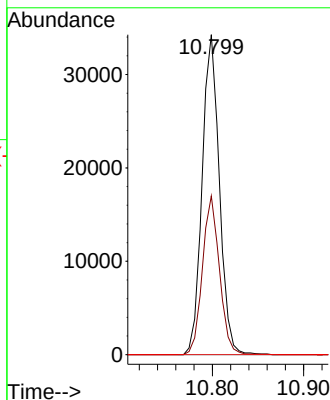
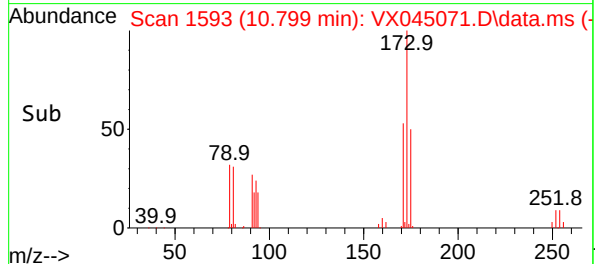
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:173 Resp: 44730
Ion Ratio Lower Upper
173 100
175 49.1 24.6 73.6
254 0.0 0.0 0.0

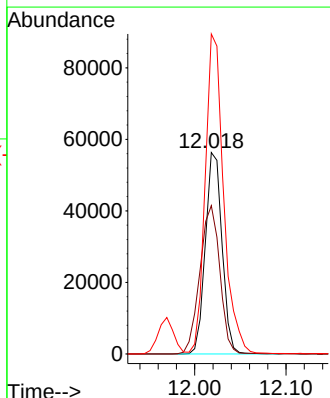
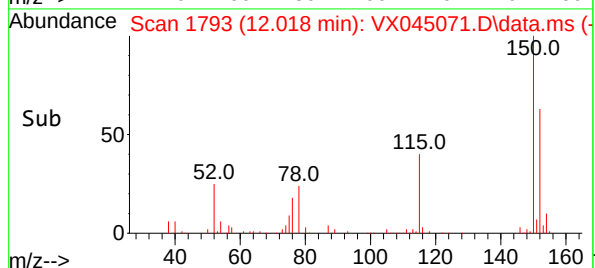
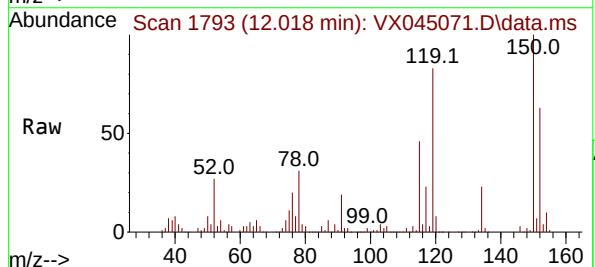
Manual Integrations
APPROVED

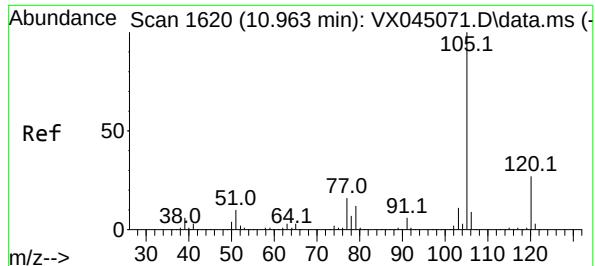
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:152 Resp: 71264
Ion Ratio Lower Upper
152 100
115 88.4 44.2 132.6
150 174.5 0.0 349.0





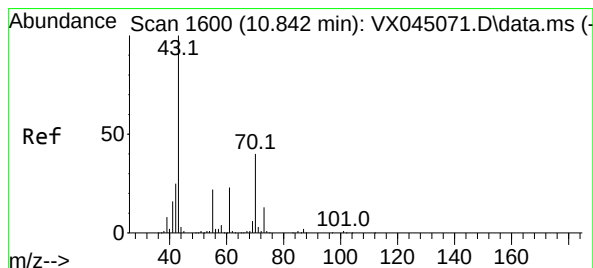
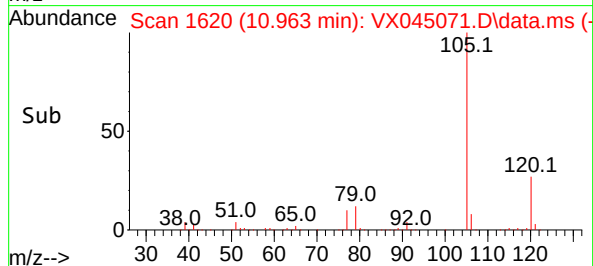
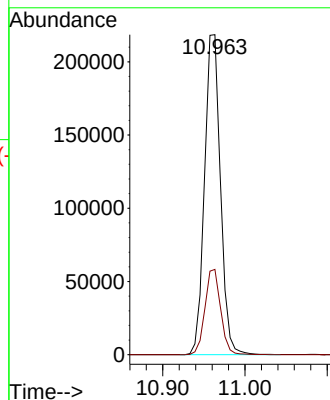
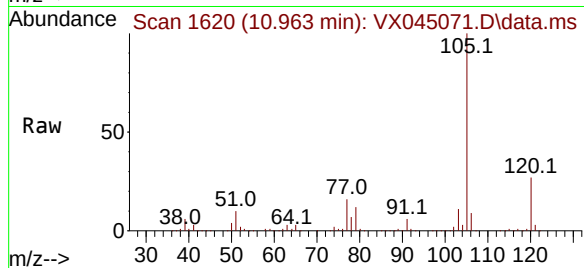
#73
Isopropylbenzene
Concen: 51.167 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 294694
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5

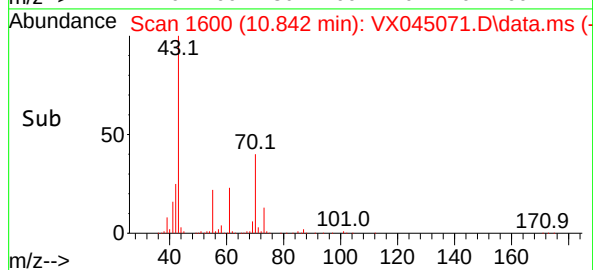
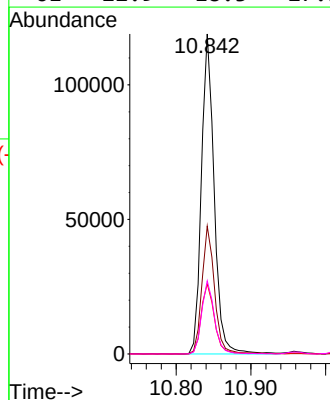
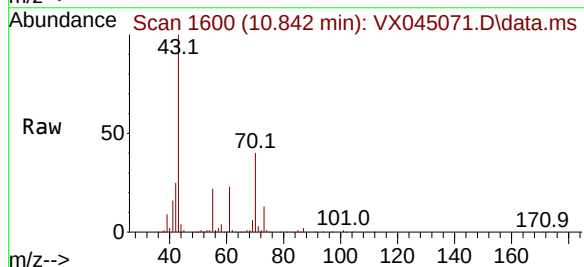
Manual Integrations
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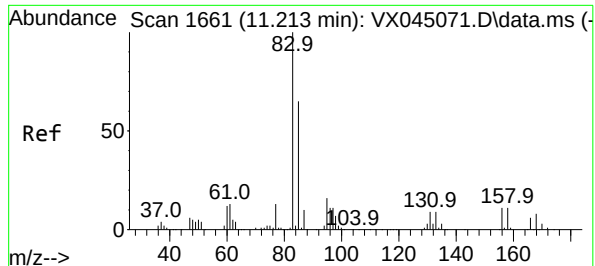
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#74
N-ethyl acetate
Concen: 53.881 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 140869
Ion Ratio Lower Upper
43 100
70 39.7 31.8 47.6
55 22.9 18.3 27.5
61 22.9 18.3 27.5





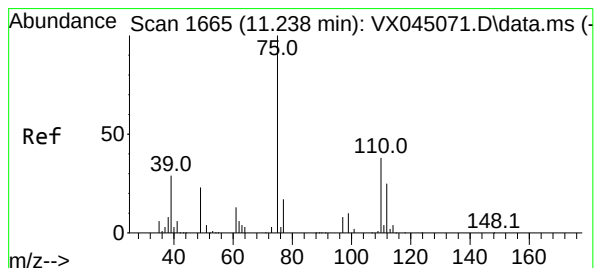
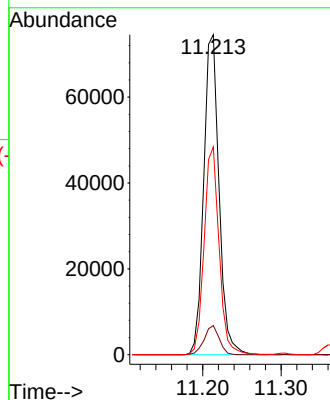
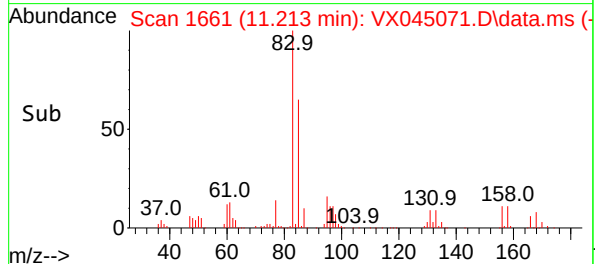
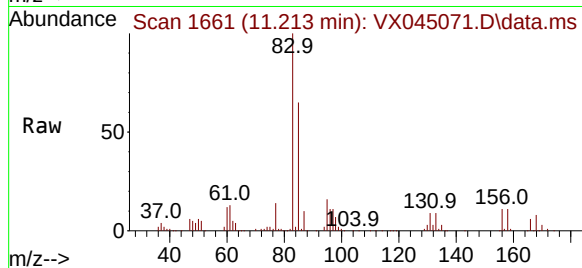
#75
1,1,2,2-Tetrachloroethane
Concen: 50.945 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 101089
Ion Ratio Lower Upper
83 100
131 8.9 4.5 13.4
85 63.4 31.7 95.1

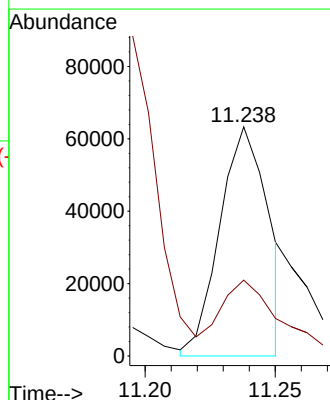
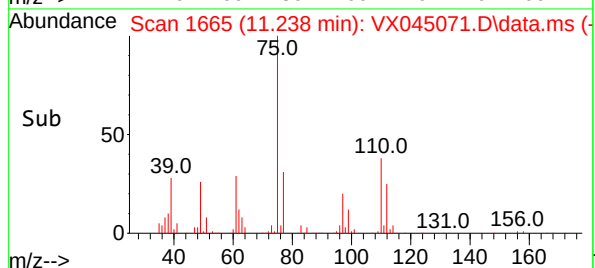
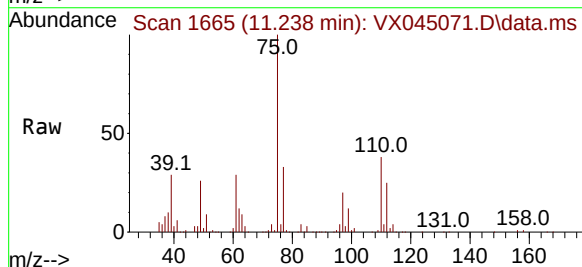
Manual Integrations
APPROVED

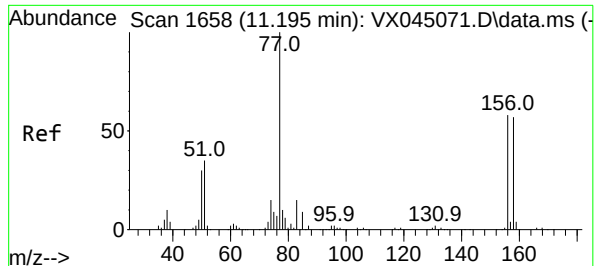
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#76
1,2,3-Trichloropropane
Concen: 51.421 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

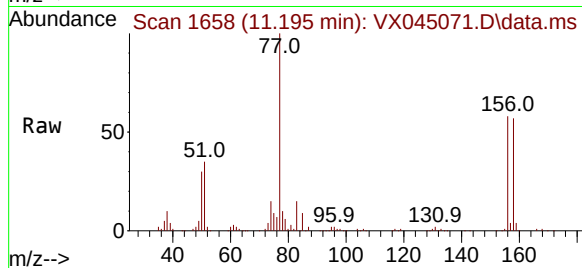
Tgt Ion: 75 Resp: 81743
Ion Ratio Lower Upper
75 100
77 41.4 20.7 62.1





#77
Bromobenzene
Concen: 51.173 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

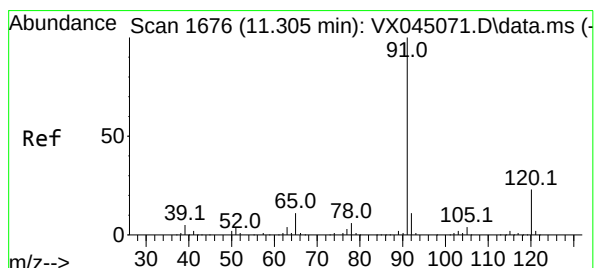
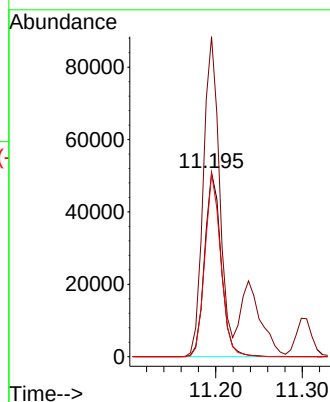
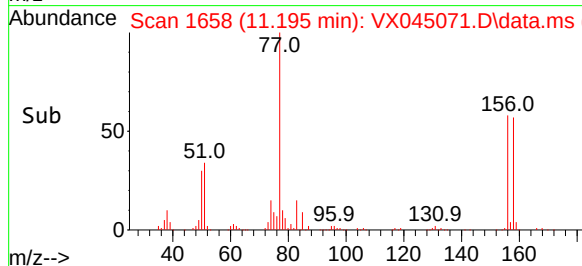
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:156 Resp: 66904
Ion Ratio Lower Upper
156 100
77 171.6 85.8 257.4
158 96.8 48.4 145.2

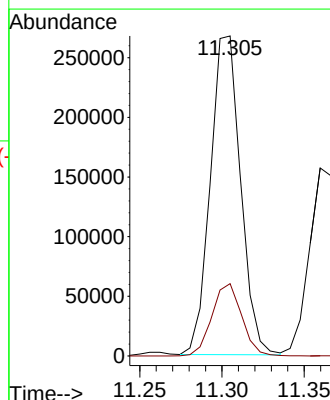
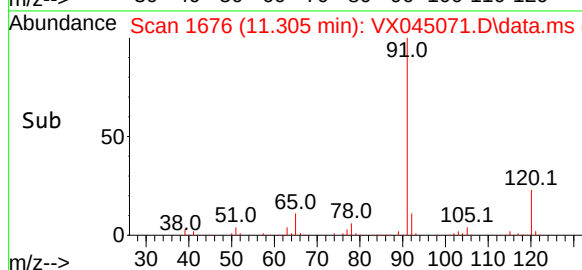
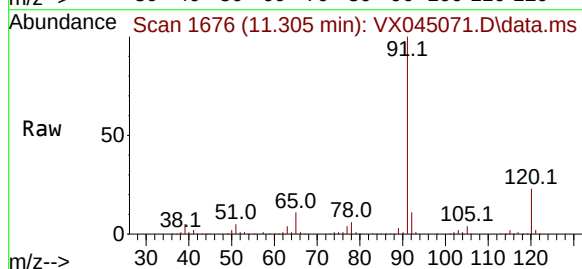
Manual Integrations
APPROVED

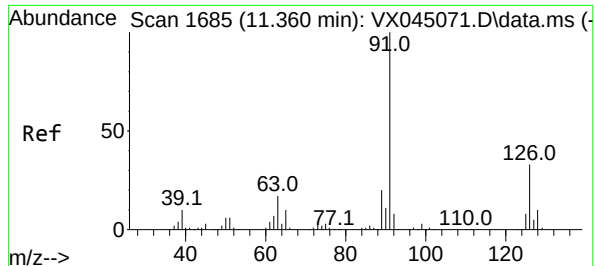
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#78
n-propylbenzene
Concen: 51.546 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 342399
Ion Ratio Lower Upper
91 100
120 22.4 11.2 33.6





#79

2-Chlorotoluene

Concen: 50.154 ug/l

RT: 11.360 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 204484

Ion Ratio Lower Upper

91 100

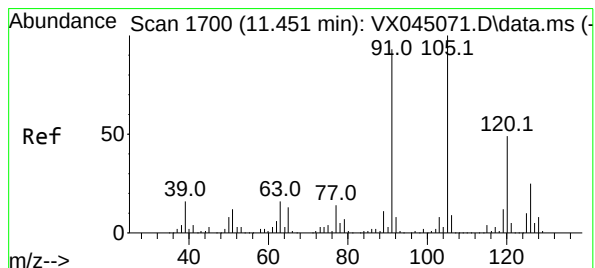
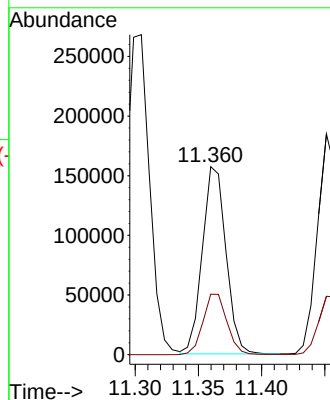
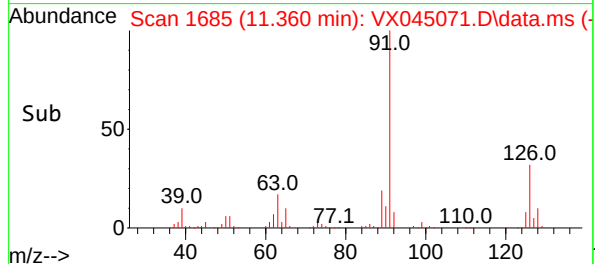
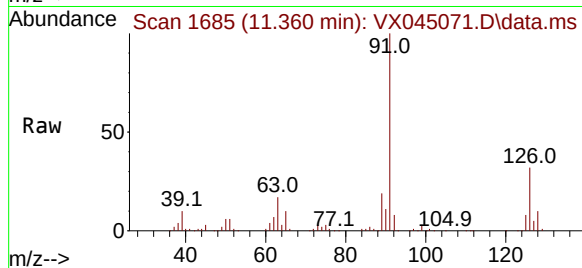
126 32.9 16.4 49.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#80

1,3,5-Trimethylbenzene

Concen: 51.613 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX045071.D

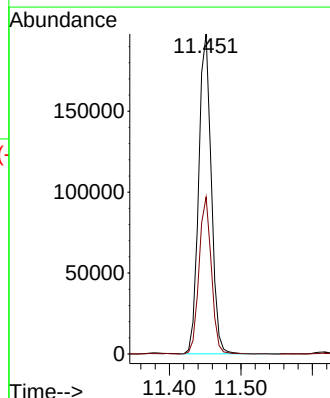
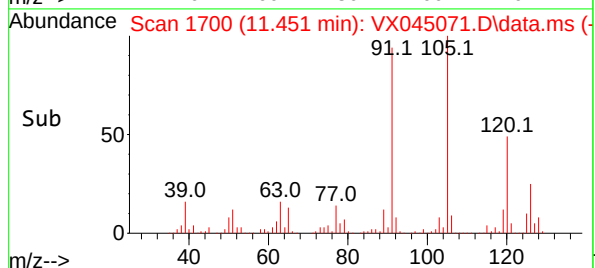
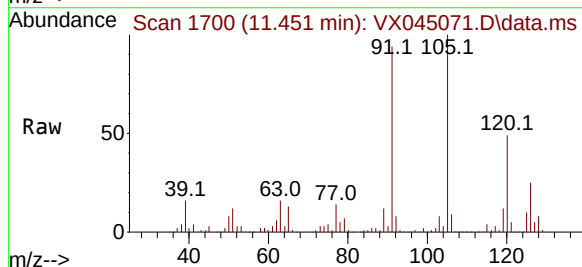
Acq: 28 Feb 2025 03:00

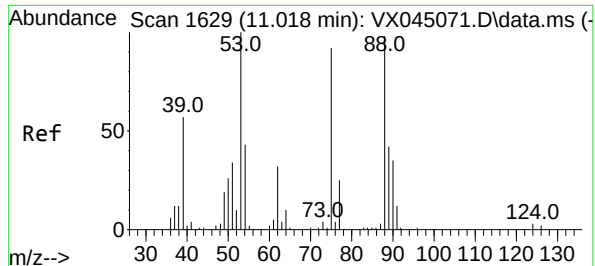
Tgt Ion:105 Resp: 241129

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.2





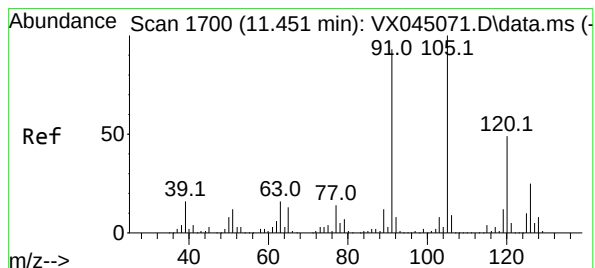
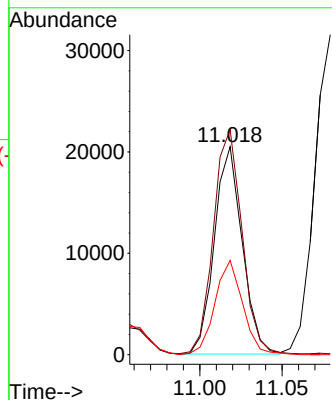
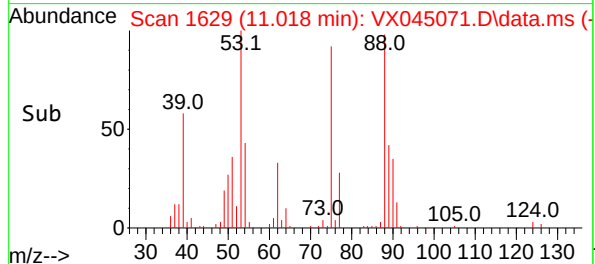
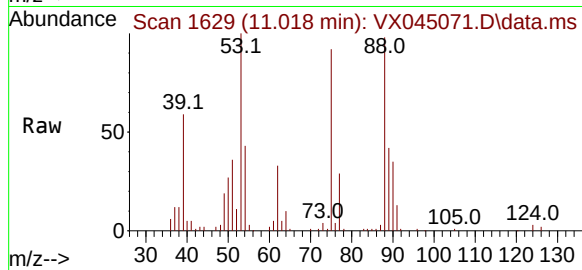
#81
trans-1,4-Dichloro-2-butene
Concen: 41.172 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 24135
Ion Ratio Lower Upper
75 100
53 110.6 88.5 132.7
89 45.3 36.2 54.4

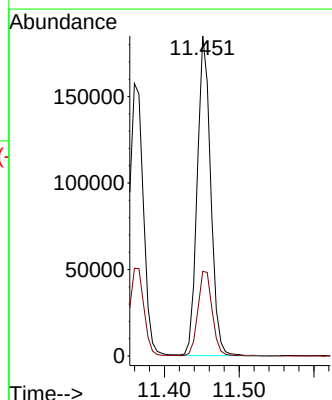
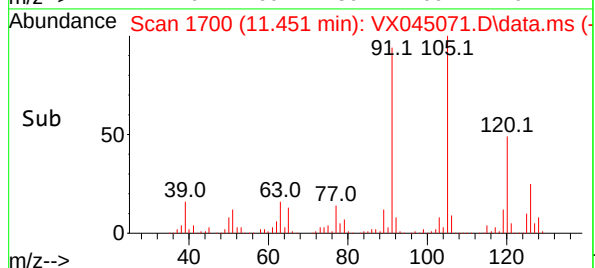
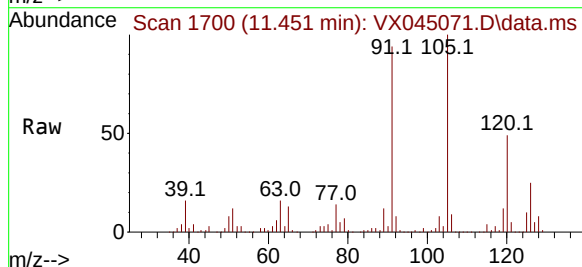
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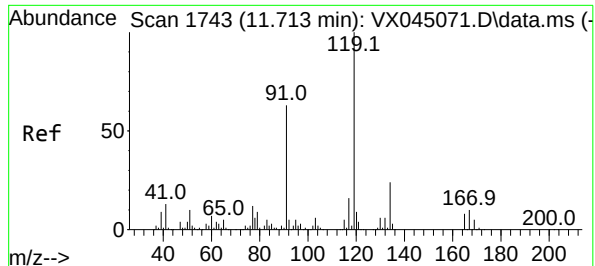
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#82
4-Chlorotoluene
Concen: 51.072 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

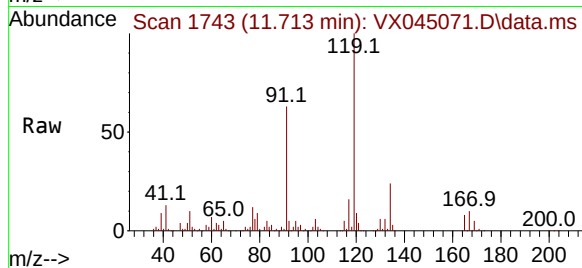
Tgt Ion: 91 Resp: 230493
Ion Ratio Lower Upper
91 100
126 28.3 14.1 42.4





#83
tert-Butylbenzene
Concen: 50.895 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

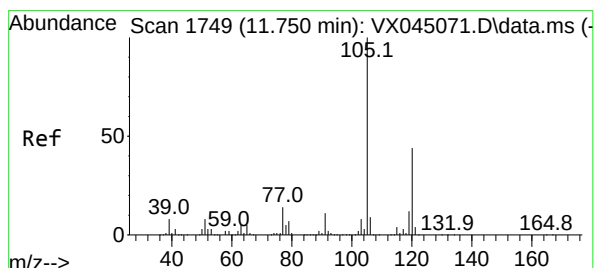
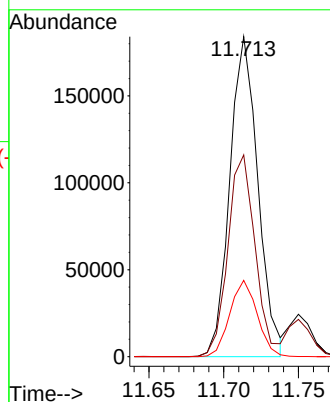
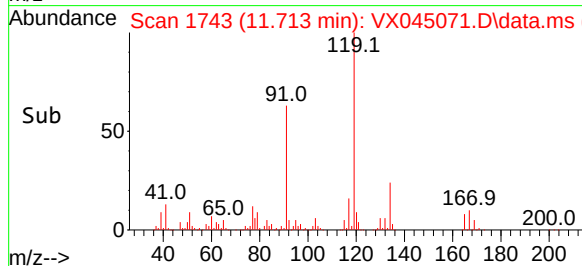
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:119 Resp: 240510
Ion Ratio Lower Upper
119 100
91 61.4 30.7 92.1
134 23.3 11.7 35.0

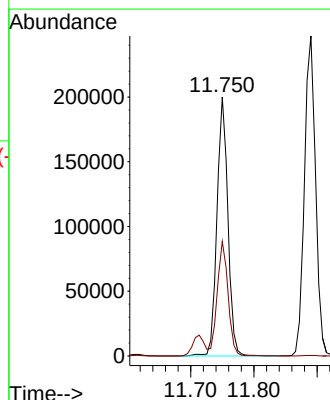
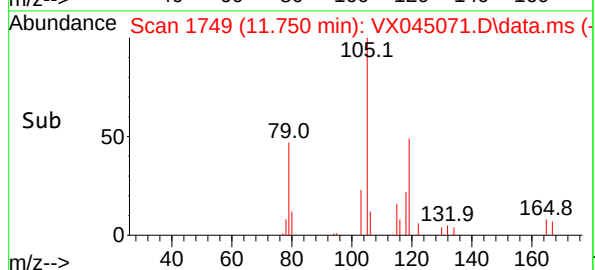
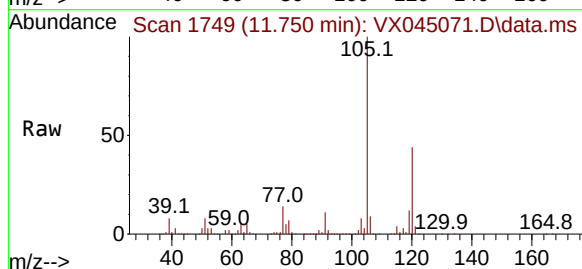
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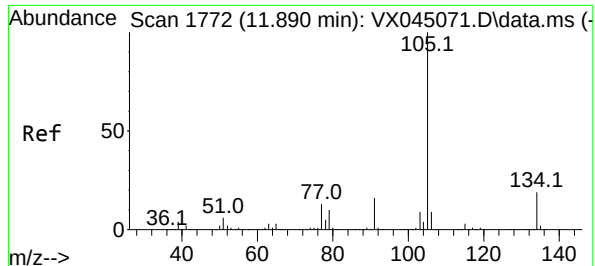
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#84
1,2,4-Trimethylbenzene
Concen: 52.326 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 240719
Ion Ratio Lower Upper
105 100
120 44.1 22.1 66.1





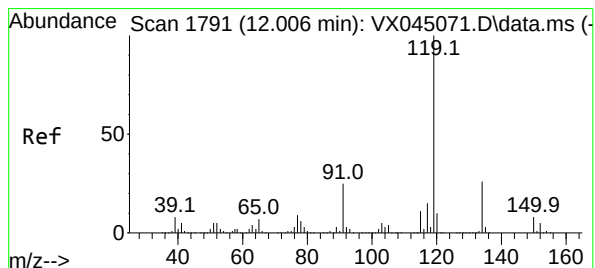
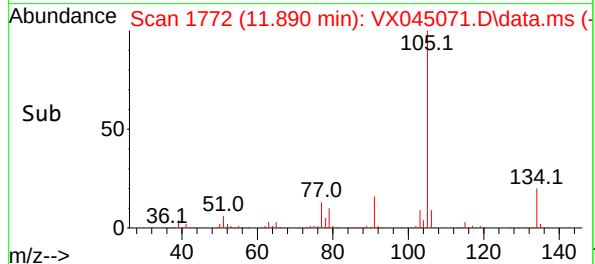
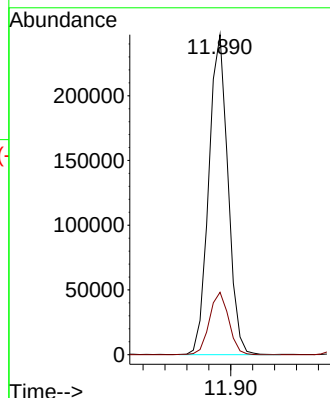
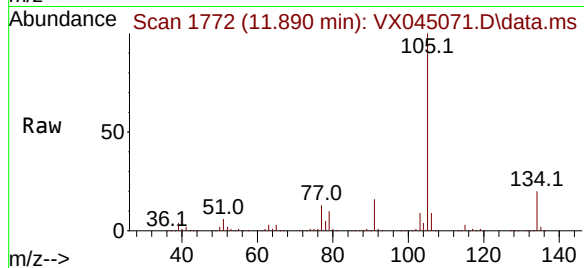
#85
sec-Butylbenzene
Concen: 51.353 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 30039
Ion Ratio Lower Upper
105 100
134 19.6 9.8 29.4

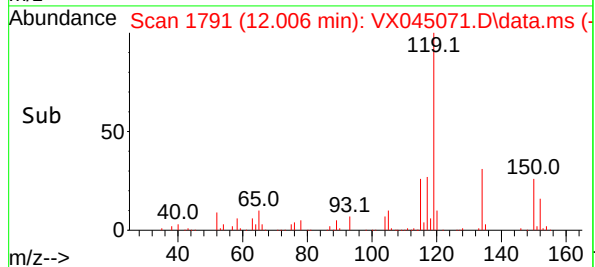
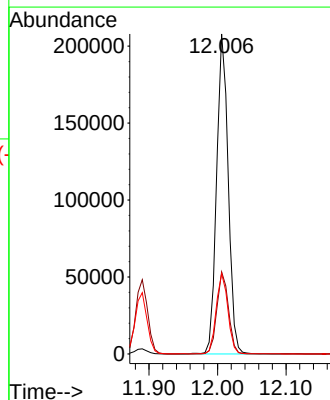
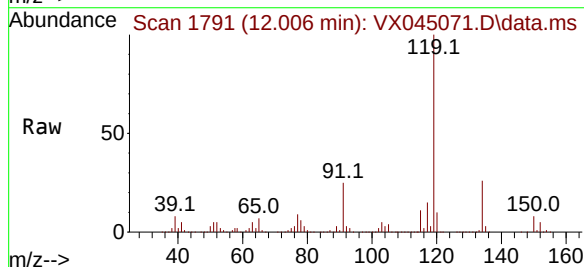
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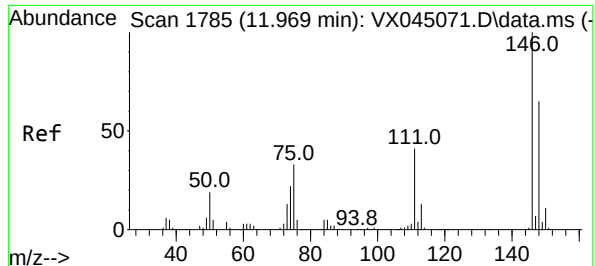
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#86
p-Isopropyltoluene
Concen: 51.964 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:119 Resp: 244031
Ion Ratio Lower Upper
119 100
134 25.7 12.9 38.6
91 25.3 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 49.747 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 118879

Ion Ratio Lower Upper

146 100

111 42.3 21.1 63.4

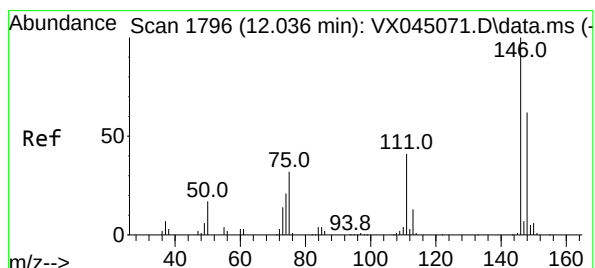
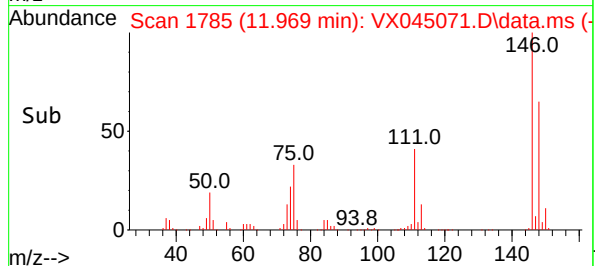
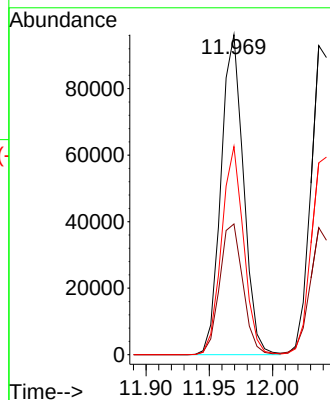
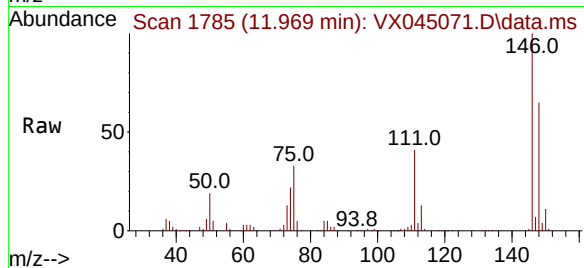
148 63.8 31.9 95.7

Manual Integrations

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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#88

1,4-Dichlorobenzene

Concen: 49.694 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

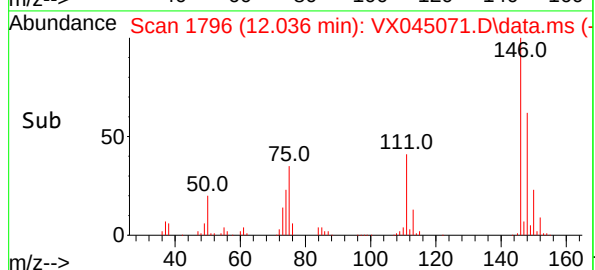
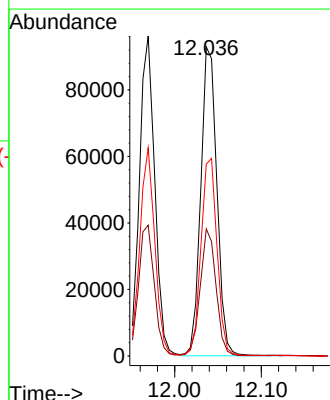
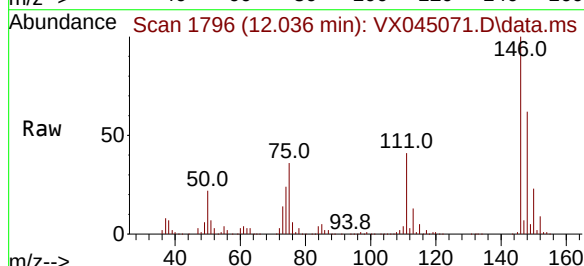
Tgt Ion:146 Resp: 120217

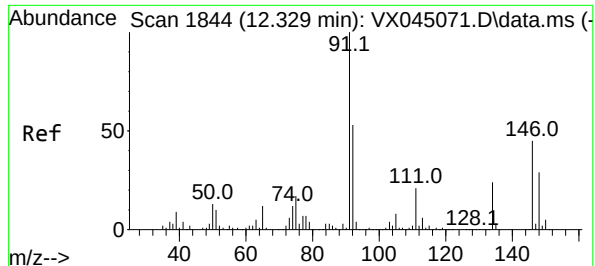
Ion Ratio Lower Upper

146 100

111 40.3 20.2 60.5

148 63.9 31.9 95.9





#89

n-Butylbenzene

Concen: 52.006 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 21468

Ion Ratio Lower Upper

91 100

92 53.3 26.7 80.0

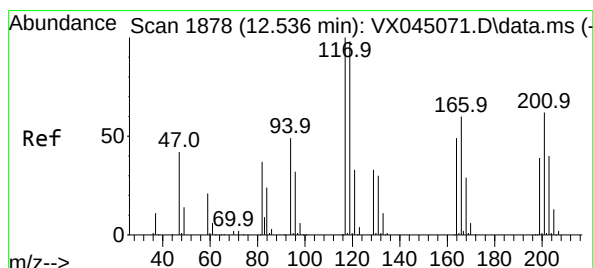
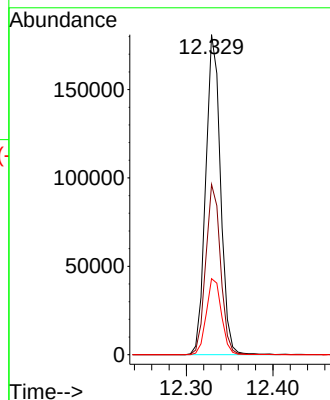
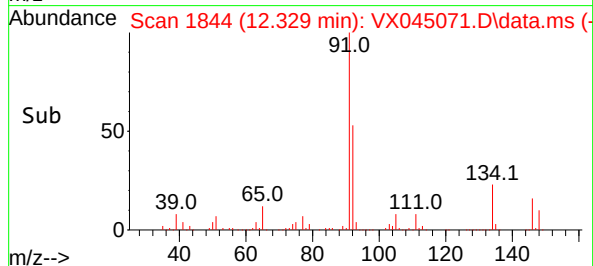
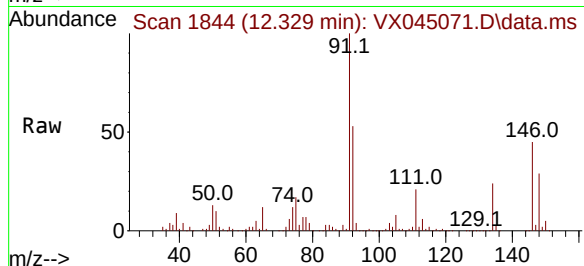
134 24.4 12.2 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#90

Hexachloroethane

Concen: 49.188 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX045071.D

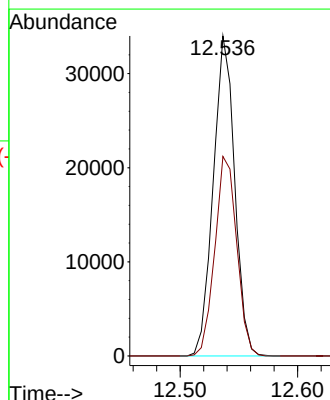
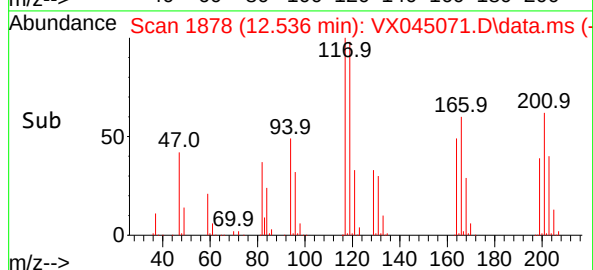
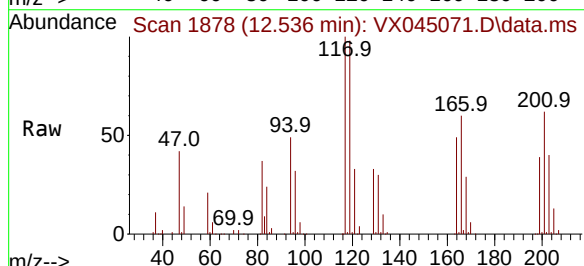
Acq: 28 Feb 2025 03:00

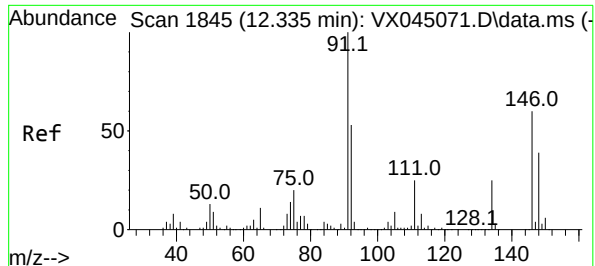
Tgt Ion:117 Resp: 43086

Ion Ratio Lower Upper

117 100

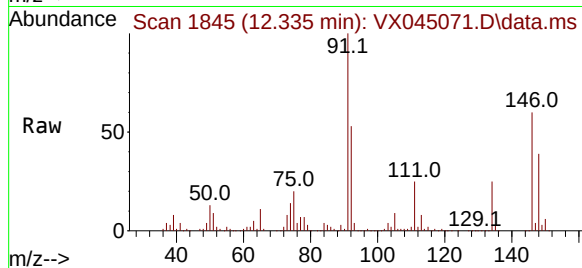
201 63.9 31.9 95.9





#91
1,2-Dichlorobenzene
Concen: 50.557 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

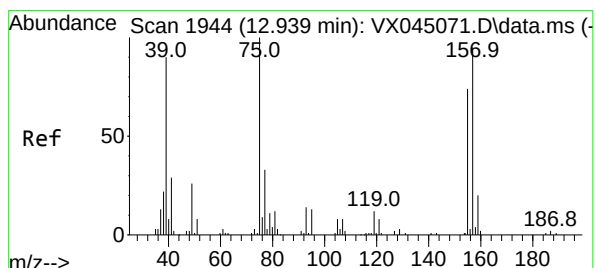
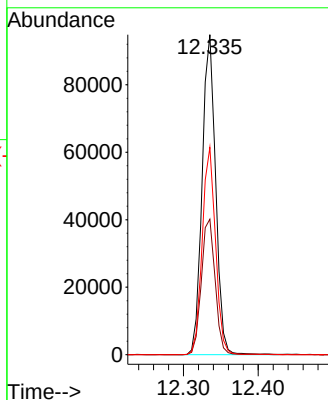
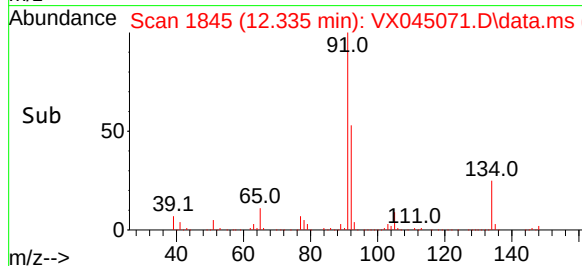
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:146 Resp: 118890
Ion Ratio Lower Upper
146 100
111 43.3 21.6 65.0
148 63.9 31.9 95.9

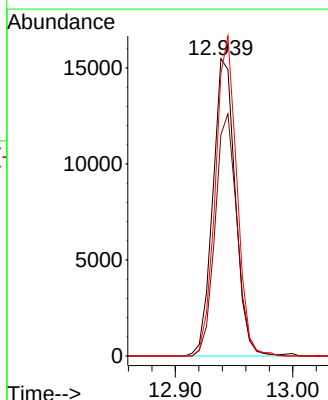
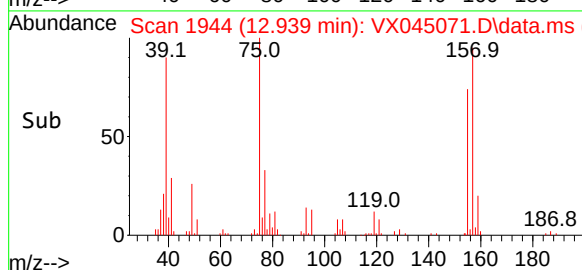
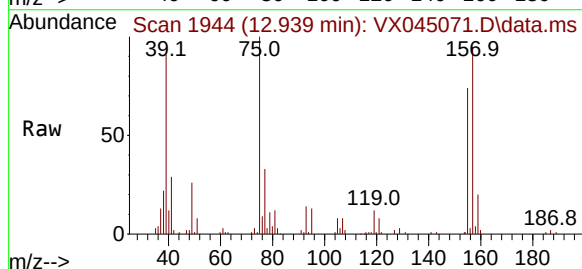
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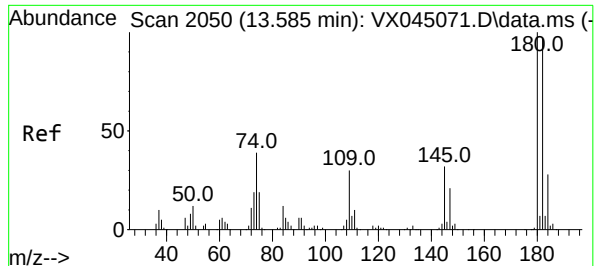
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 56.123 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

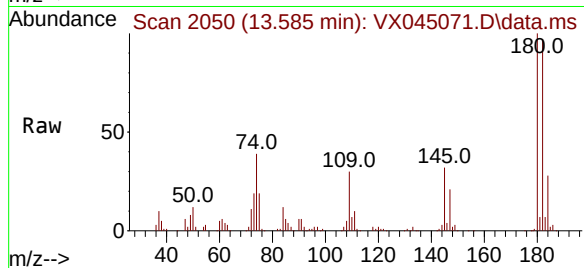
Tgt Ion: 75 Resp: 20610
Ion Ratio Lower Upper
75 100
155 79.1 39.6 118.7
157 102.3 51.1 153.4





#93
1,2,4-Trichlorobenzene
Concen: 50.571 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

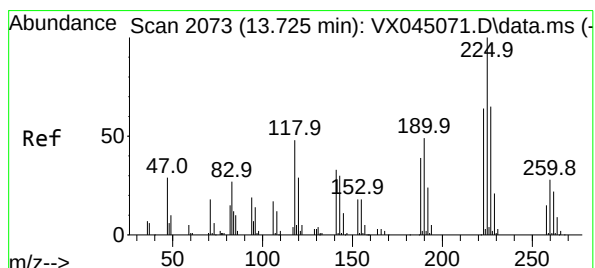
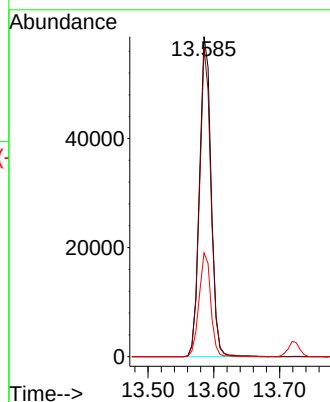
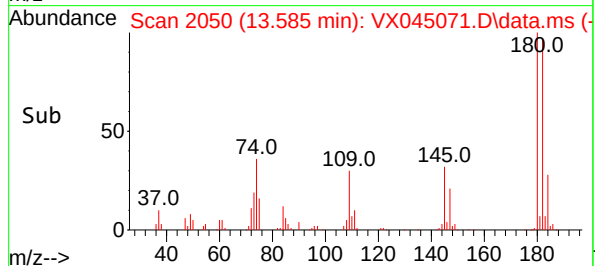
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:180 Resp: 7189
Ion Ratio Lower Upper
180 100
182 94.6 47.3 141.9
145 32.6 16.3 48.9

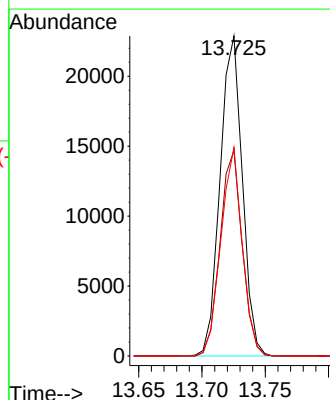
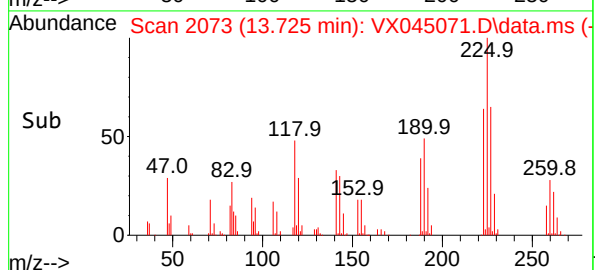
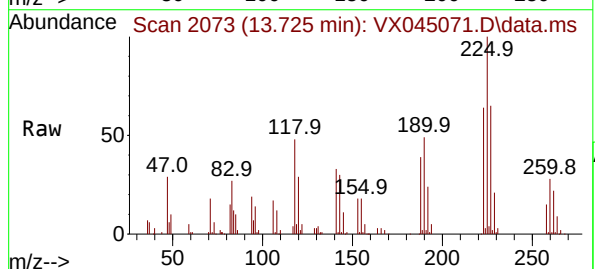
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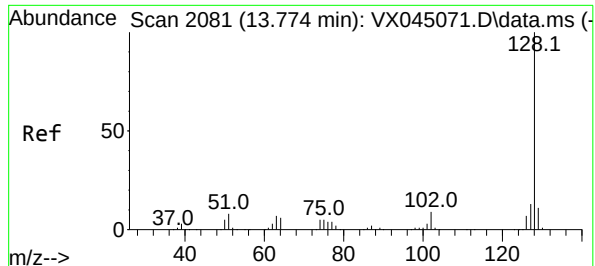
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#94
Hexachlorobutadiene
Concen: 49.245 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:225 Resp: 27916
Ion Ratio Lower Upper
225 100
223 63.8 31.9 95.7
227 62.7 31.4 94.0





#95

Naphthalene

Concen: 53.700 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:128 Resp: 278080

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

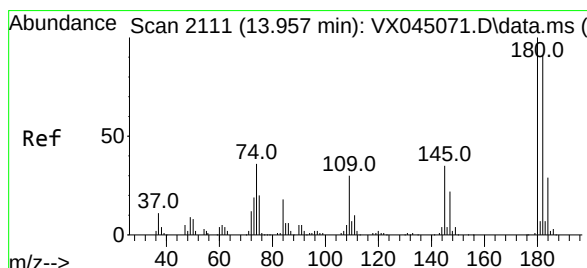
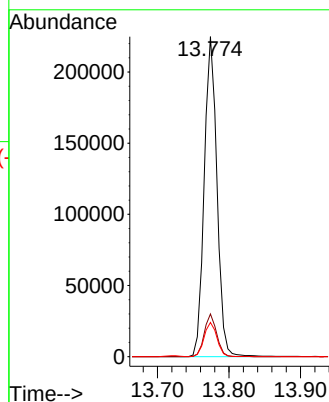
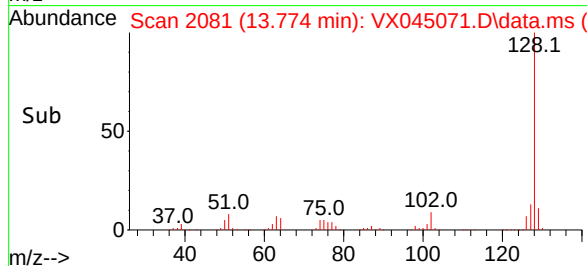
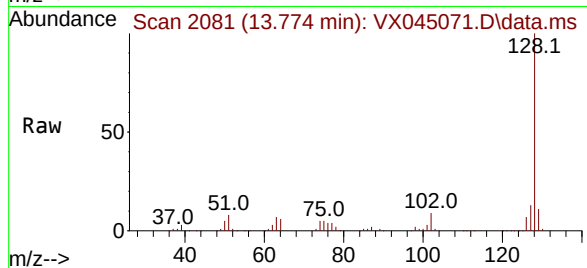
129 10.9 8.7 13.1

Manual Integrations

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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#96

1,2,3-Trichlorobenzene

Concen: 52.406 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

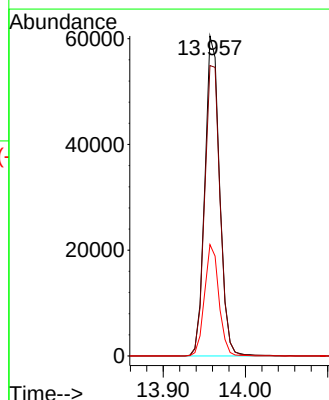
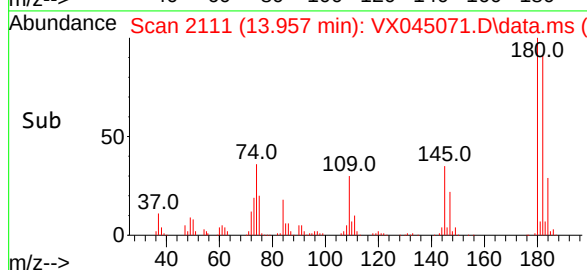
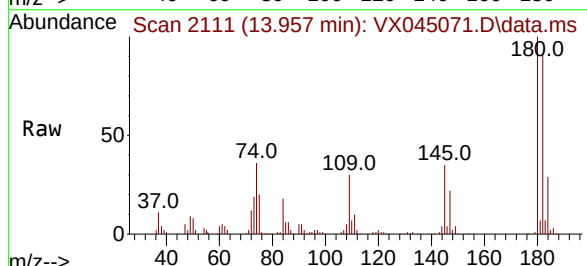
Tgt Ion:180 Resp: 75482

Ion Ratio Lower Upper

180 100

182 95.1 47.5 142.6

145 33.9 17.0 50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045072.D
 Acq On : 28 Feb 2025 03:23
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Feb 28 05:35:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 05:28:02 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	101178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181031	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	158452	106.011	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 212.020%#			
35) Dibromofluoromethane	5.385	113	123185	104.110	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 208.220%#			
50) Toluene-d8	8.647	98	441188	99.595	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 199.200%#			
62) 4-Bromofluorobenzene	11.079	95	148476	100.365	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 200.720%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	126718	90.869	ug/l	95
3) Chloromethane	1.306	50	145825	85.936	ug/l	98
4) Vinyl Chloride	1.373	62	154734	93.360	ug/l	96
5) Bromomethane	1.593	94	57503	110.980	ug/l	97
6) Chloroethane	1.660	64	60155	95.351	ug/l	97
7) Trichlorofluoromethane	1.861	101	198701	93.594	ug/l	99
8) Diethyl Ether	2.135	74	78263	101.441	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.312	101	120518	95.064	ug/l	98
10) Methyl Iodide	2.440	142	153466	94.425	ug/l	99
11) Tert butyl alcohol	3.001	59	135016	493.141	ug/l	98
12) 1,1-Dichloroethene	2.306	96	125436	96.366	ug/l	98
13) Acrolein	2.239	56	180411	608.485	ug/l	99
14) Allyl chloride	2.654	41	220783	94.344	ug/l	98
15) Acrylonitrile	3.068	53	391946	526.749	ug/l	100
16) Acetone	2.392	43	348698	566.991	ug/l	99
17) Carbon Disulfide	2.495	76	345572	97.574	ug/l	98
18) Methyl Acetate	2.709	43	175784	94.899	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	431413	103.661	ug/l	100
20) Methylene Chloride	2.782	84	140388	96.381	ug/l	98
21) trans-1,2-Dichloroethene	3.080	96	128232	100.164	ug/l	98
22) Diisopropyl ether	3.763	45	467534	104.489	ug/l	98
23) Vinyl Acetate	3.721	43	2035880	554.219	ug/l	99
24) 1,1-Dichloroethane	3.605	63	257023	102.805	ug/l	100
25) 2-Butanone	4.562	43	559182	563.952	ug/l	99
26) 2,2-Dichloropropane	4.470	77	124805	67.148	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	155193	100.568	ug/l	99
28) Bromochloromethane	4.897	49	113848	94.428	ug/l	98
29) Tetrahydrofuran	5.007	42	365565	556.465	ug/l	100
30) Chloroform	5.092	83	248978	101.814	ug/l	97
31) Cyclohexane	5.464	56	231082	100.711	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	211302	102.638	ug/l	99
36) 1,1-Dichloropropene	5.690	75	172295	101.258	ug/l	99
37) Ethyl Acetate	4.720	43	220327	113.796	ug/l	99
38) Carbon Tetrachloride	5.671	117	177219	105.940	ug/l	97
39) Methylcyclohexane	7.372	83	219856	101.175	ug/l	99
40) Benzene	6.031	78	541974	101.908	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045072.D
 Acq On : 28 Feb 2025 03:23
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :John Carlone 02/28/2025
 Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:35:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 05:28:02 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	120186	116.205	ug/l	98
42) 1,2-Dichloroethane	6.086	62	189857	110.158	ug/l	99
43) Isopropyl Acetate	6.342	43	338414	109.806	ug/l	99
44) Trichloroethene	7.122	130	128124	105.402	ug/l	96
45) 1,2-Dichloropropane	7.427	63	135997	102.898	ug/l	100
46) Dibromomethane	7.580	93	97248	105.329	ug/l	99
47) Bromodichloromethane	7.817	83	191016	106.947	ug/l	97
48) Methyl methacrylate	7.695	41	165825	113.344	ug/l	99
49) 1,4-Dioxane	7.665	88	66308	2132.314	ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	1048140	555.050	ug/l	99
52) Toluene	8.714	92	316349	100.178	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	177352	100.462	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	200943	101.815	ug/l	98
55) 1,1,2-Trichloroethane	9.146	97	123426	100.920	ug/l	99
56) Ethyl methacrylate	9.116	69	208782	106.744	ug/l	100
57) 1,3-Dichloropropane	9.305	76	216267	101.387	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	494551	514.987	ug/l	99
59) 2-Hexanone	9.433	43	779492	572.233	ug/l	99
60) Dibromochloromethane	9.518	129	139245	106.719	ug/l	99
61) 1,2-Dibromoethane	9.610	107	128617	104.259	ug/l	99
64) Tetrachloroethene	9.268	164	99386	103.491	ug/l	98
65) Chlorobenzene	10.079	112	332473	102.456	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	112451	107.511	ug/l	96
67) Ethyl Benzene	10.189	91	596257	103.905	ug/l	100
68) m/p-Xylenes	10.299	106	432214	204.507	ug/l	99
69) o-Xylene	10.640	106	213835	100.849	ug/l	99
70) Styrene	10.652	104	357649	104.948	ug/l	99
71) Bromoform	10.799	173	90800	116.751	ug/l #	99
73) Isopropylbenzene	10.963	105	553533	99.138	ug/l	99
74) N-amyl acetate	10.841	43	287104	113.277	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	192217	99.923	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	156259m	101.395	ug/l	
77) Bromobenzene	11.195	156	125700	99.175	ug/l	97
78) n-propylbenzene	11.305	91	648835	100.758	ug/l	99
79) 2-Chlorotoluene	11.359	91	382703	96.825	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	445466	98.356	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	51975	91.460	ug/l	99
82) 4-Chlorotoluene	11.451	91	433881	99.168	ug/l	100
83) tert-Butylbenzene	11.713	119	454859	99.288	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	450108	100.926	ug/l	99
85) sec-Butylbenzene	11.890	105	570006	100.517	ug/l	100
86) p-Isopropyltoluene	12.006	119	465512	102.252	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	231440	99.903	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	230663	98.355	ug/l	99
89) n-Butylbenzene	12.329	91	428209	107.000	ug/l	99
90) Hexachloroethane	12.536	117	87448	102.980	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	233125	102.254	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	41402	116.296	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	148368	107.648	ug/l	99
94) Hexachlorobutadiene	13.725	225	56065	102.019	ug/l	99
95) Naphthalene	13.774	128	565250	112.593	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	152970	109.554	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

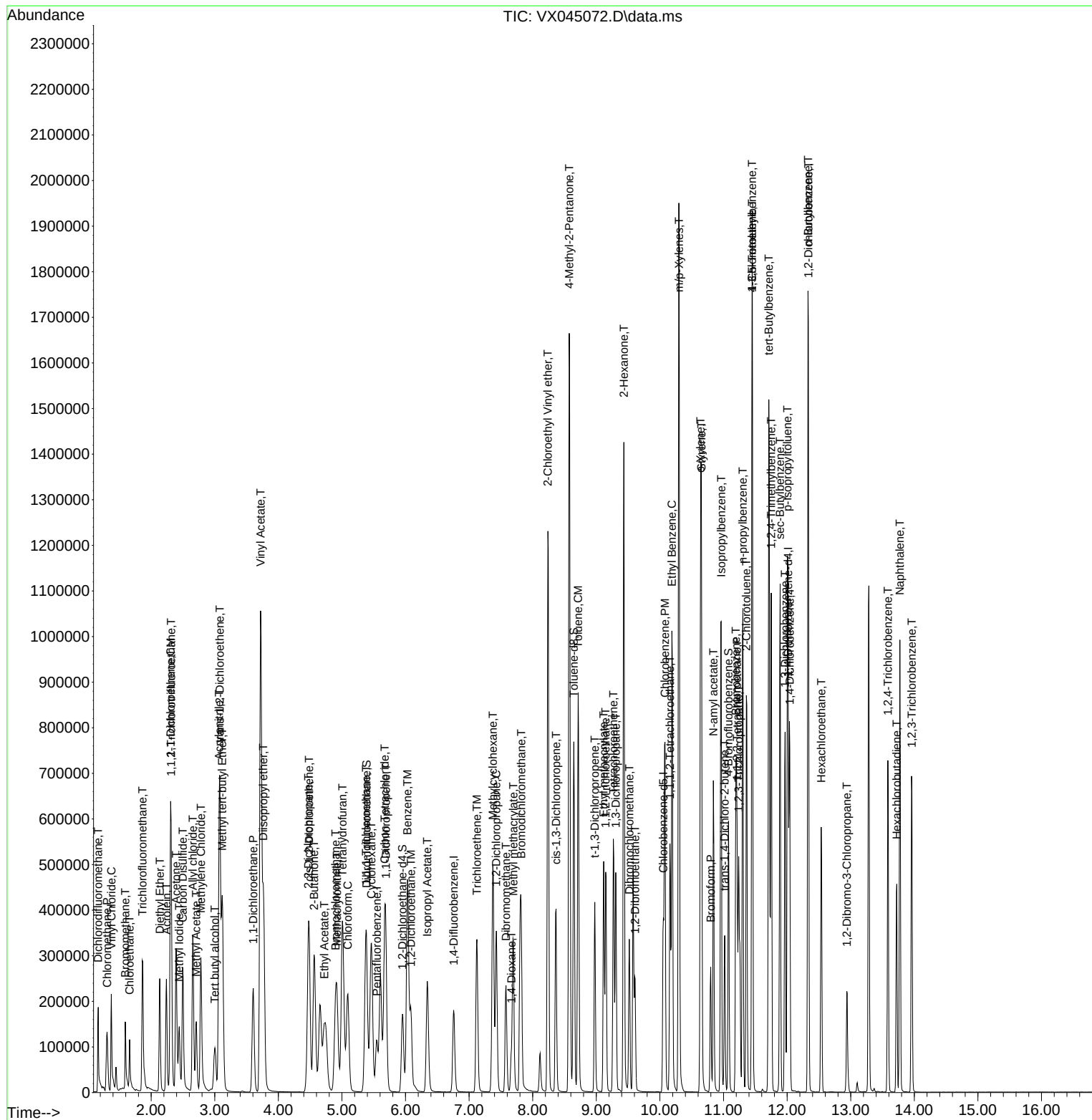
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

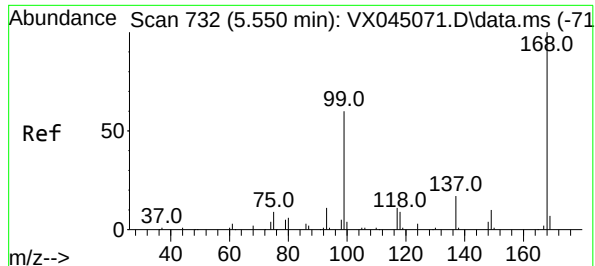
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025





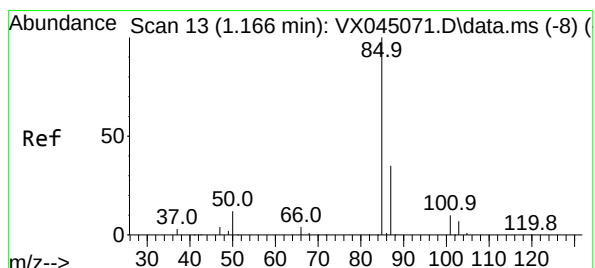
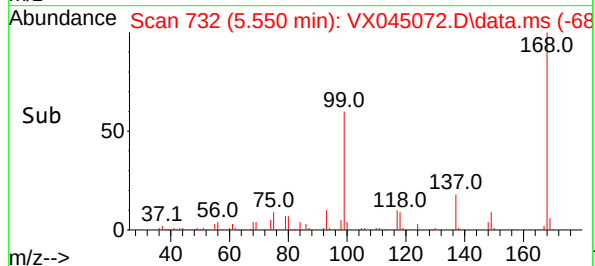
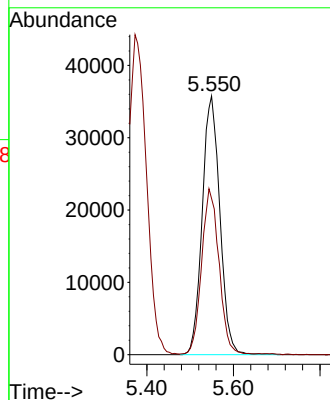
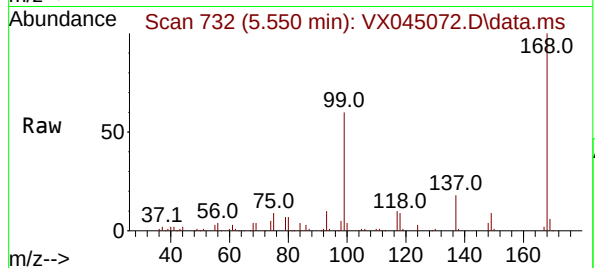
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion:168 Resp: 101178
Ion Ratio Lower Upper
168 100
99 60.2 48.2 72.4

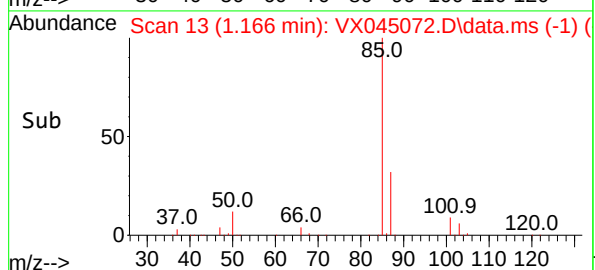
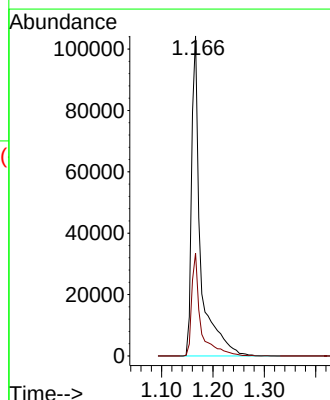
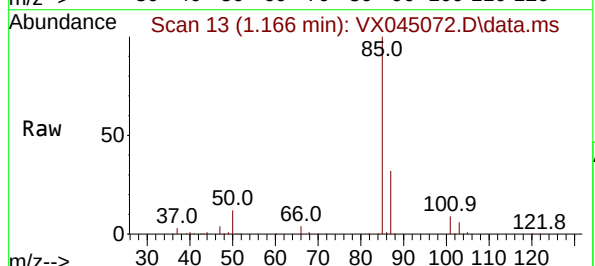
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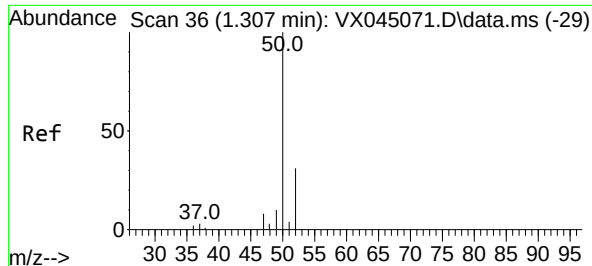
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#2
Dichlorodifluoromethane
Concen: 90.869 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

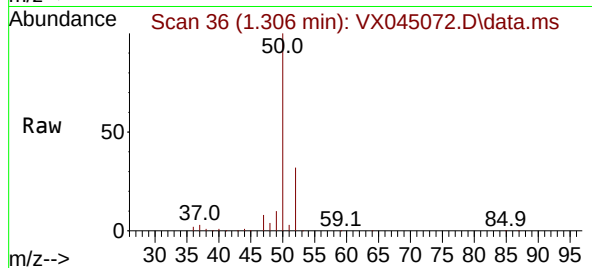
Tgt Ion: 85 Resp: 126718
Ion Ratio Lower Upper
85 100
87 32.1 17.4 52.3





#3
Chloromethane
Concen: 85.936 ug/l
RT: 1.306 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

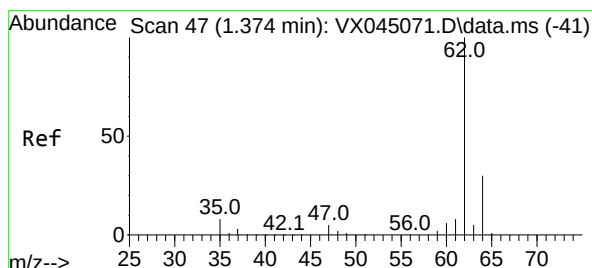
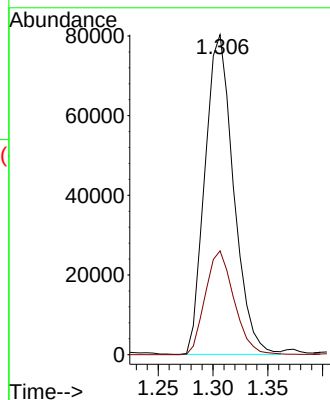
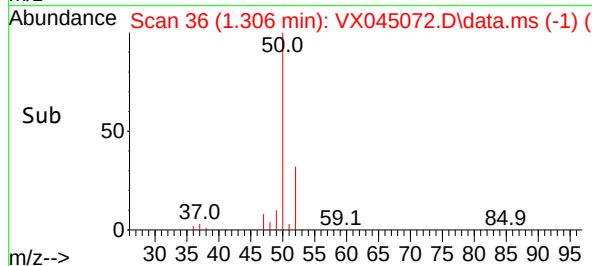
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 50 Resp: 145825
Ion Ratio Lower Upper
50 100
52 32.5 25.0 37.4

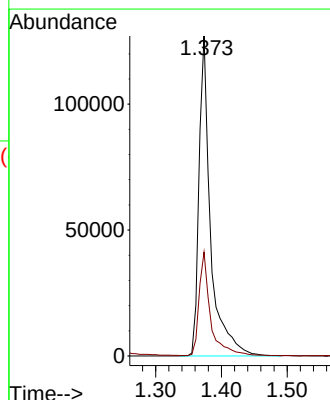
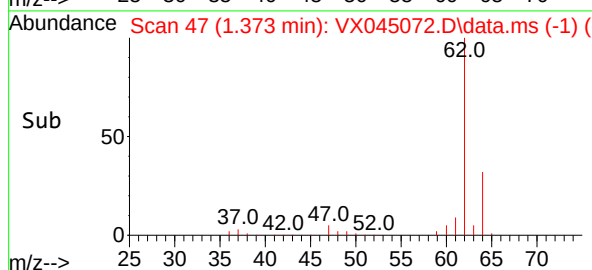
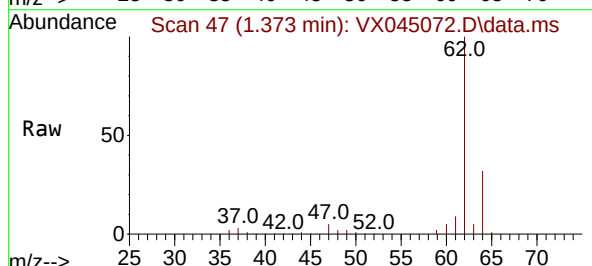
Manual Integrations
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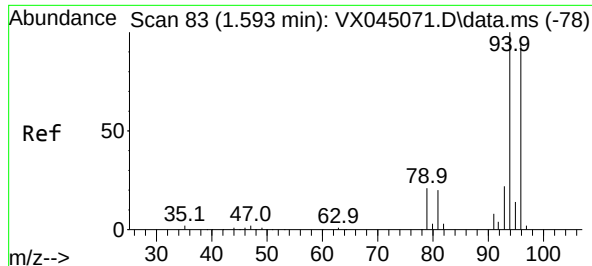
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#4
Vinyl Chloride
Concen: 93.360 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 62 Resp: 154734
Ion Ratio Lower Upper
62 100
64 32.4 24.3 36.5





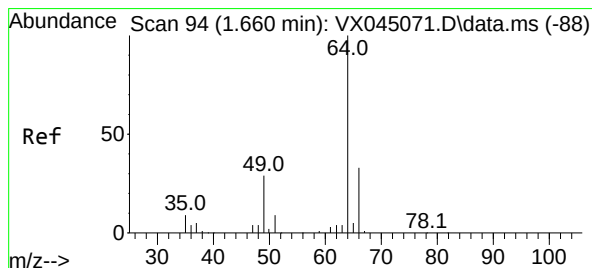
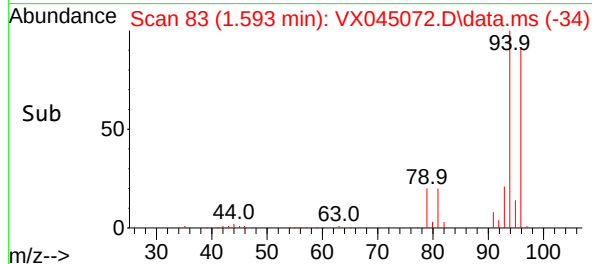
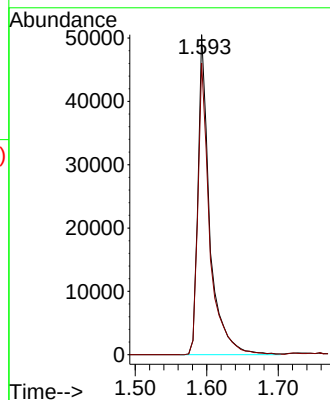
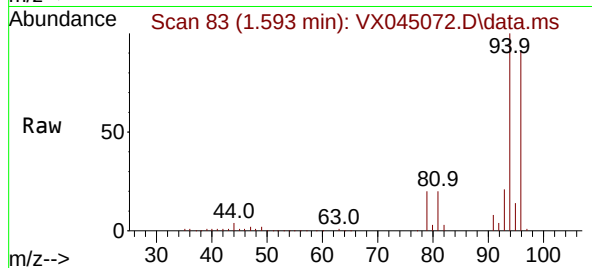
#5
Bromomethane
Concen: 110.980 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 5750
Ion Ratio Lower Upper
94 100
96 91.2 75.0 112.4

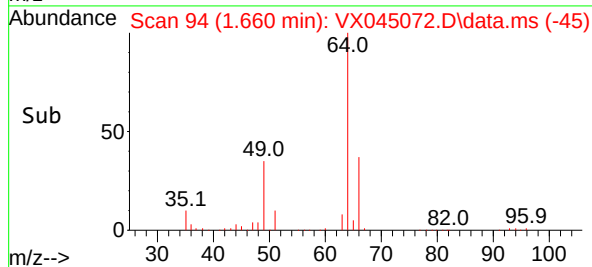
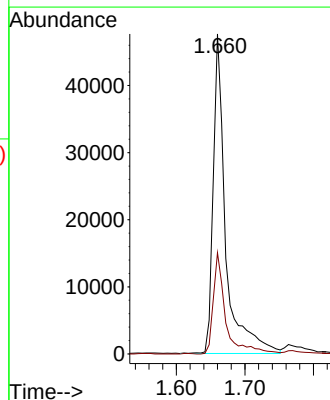
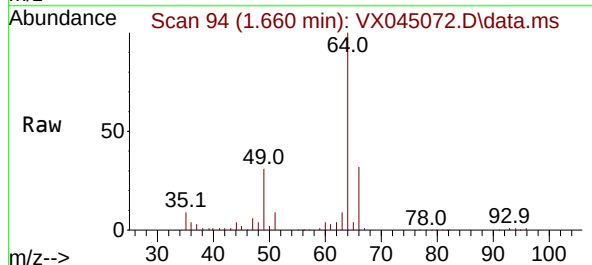
Manual Integrations
APPROVED

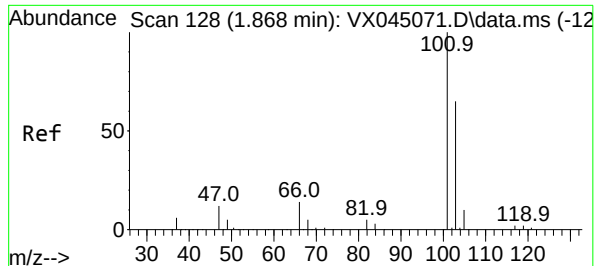
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#6
Chloroethane
Concen: 95.351 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

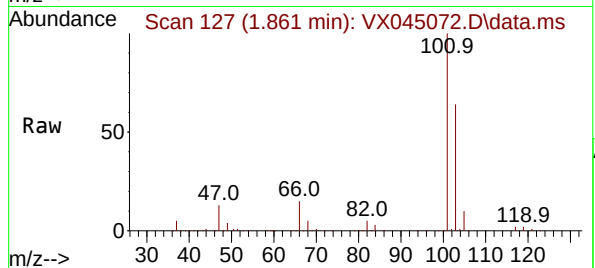
Tgt Ion: 64 Resp: 60155
Ion Ratio Lower Upper
64 100
66 31.7 26.7 40.1





#7
Trichlorofluoromethane
Concen: 93.594 ug/l
RT: 1.861 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

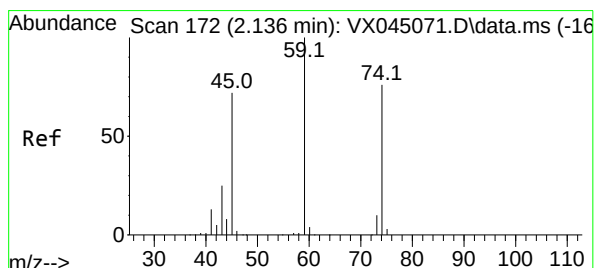
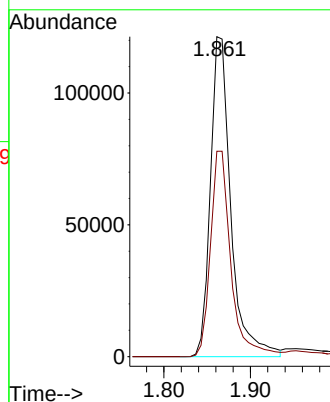
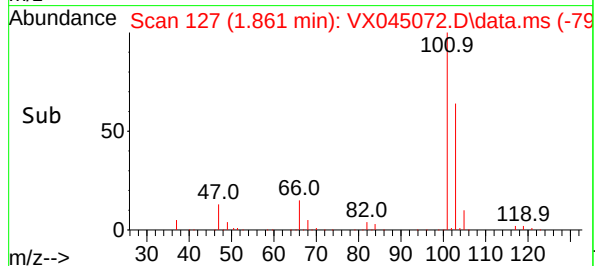
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:101 Resp: 19870
Ion Ratio Lower Upper
101 100
103 64.2 52.1 78.1

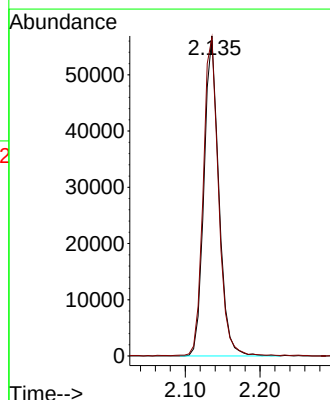
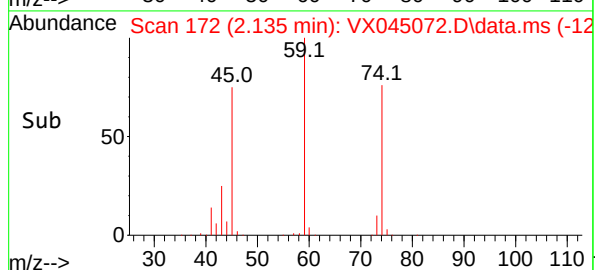
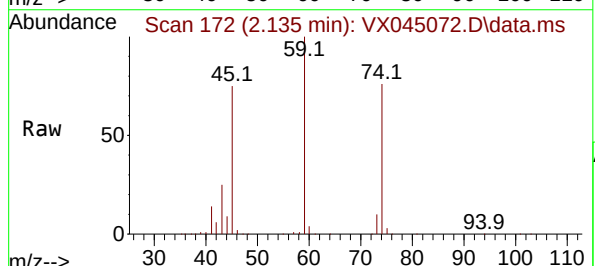
Manual Integrations
APPROVED

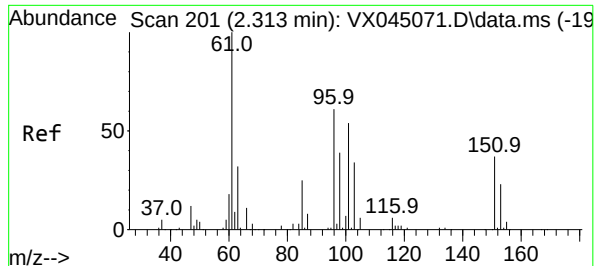
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#8
Diethyl Ether
Concen: 101.441 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 74 Resp: 78263
Ion Ratio Lower Upper
74 100
45 102.7 51.5 154.5





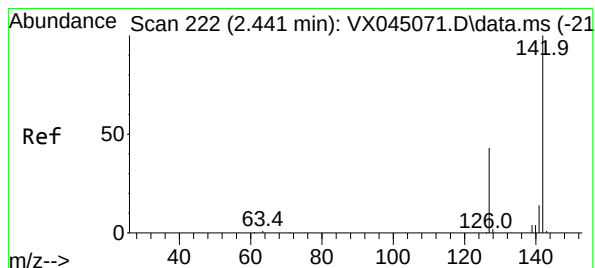
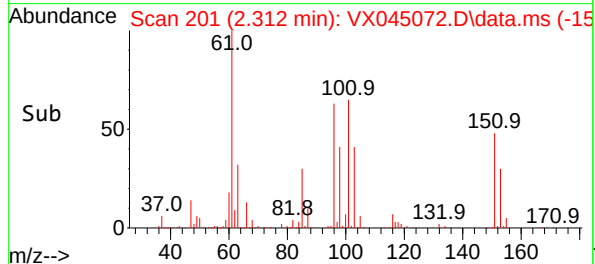
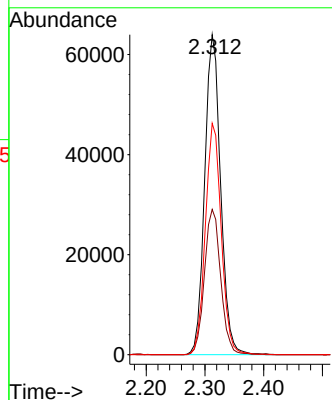
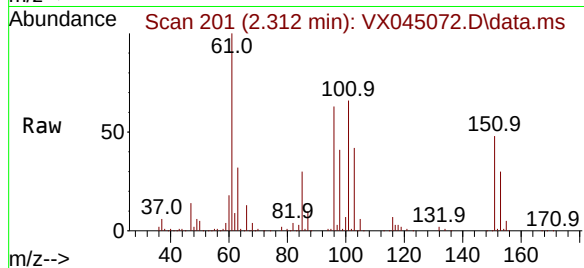
#9
1,1,2-Trichlorotrifluoroethane
Concen: 95.064 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 120518
Ion Ratio Lower Upper
101 100
85 46.5 36.2 54.4
151 72.4 56.4 84.6

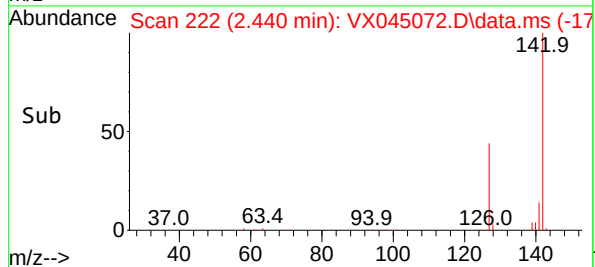
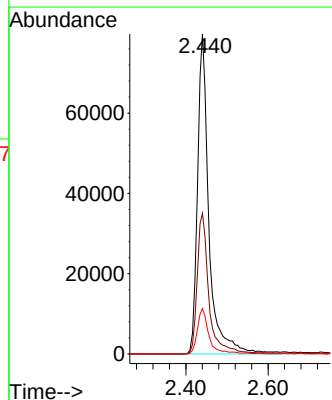
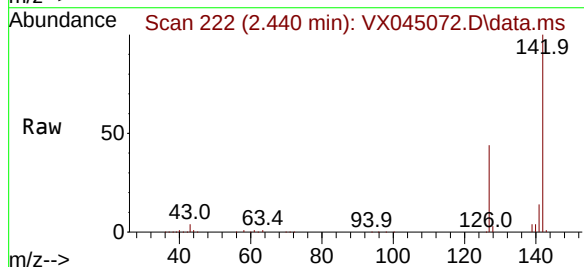
Manual Integrations
APPROVED

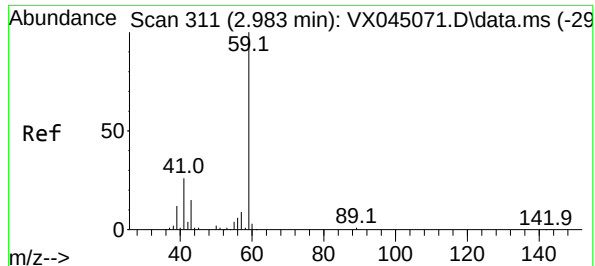
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#10
Methyl Iodide
Concen: 94.425 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:142 Resp: 153466
Ion Ratio Lower Upper
142 100
127 45.0 35.4 53.2
141 14.4 11.6 17.4





#11

Tert butyl alcohol

Concen: 493.141 ug/l

RT: 3.001 min Scan# 311

Delta R.T. 0.018 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 59 Resp: 135010

Ion Ratio Lower Upper

59 100

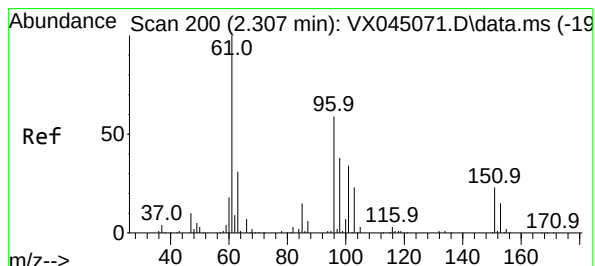
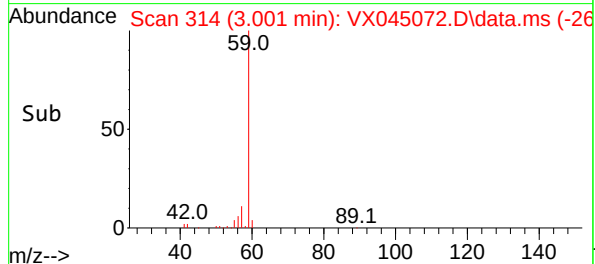
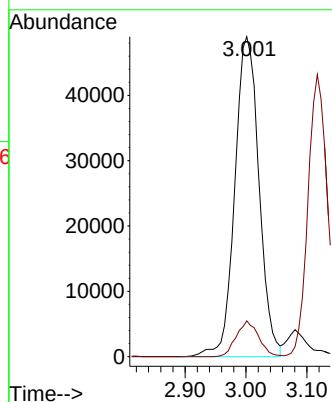
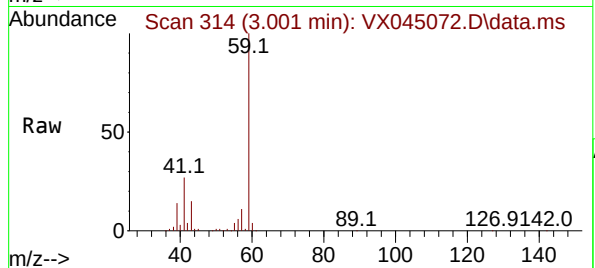
57 10.4 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#12

1,1-Dichloroethene

Concen: 96.366 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

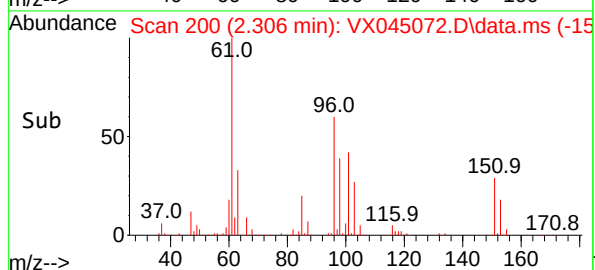
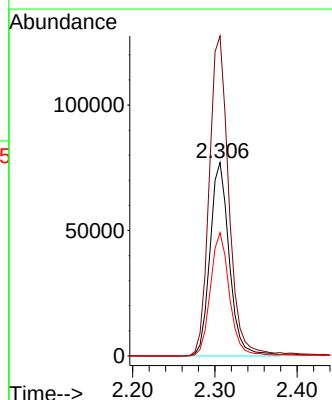
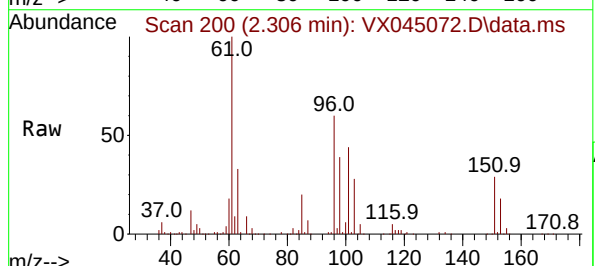
Tgt Ion: 96 Resp: 125436

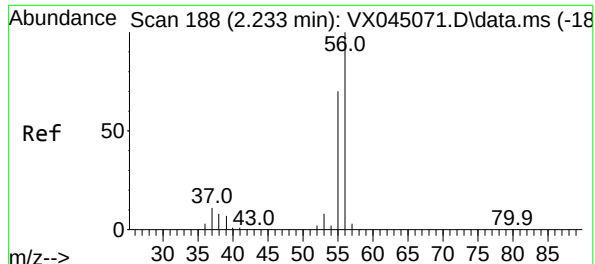
Ion Ratio Lower Upper

96 100

61 165.4 134.6 202.0

98 63.7 51.0 76.6





#13

Acrolein

Concen: 608.485 ug/l

RT: 2.239 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 18041

Ion Ratio Lower Upper

56 100

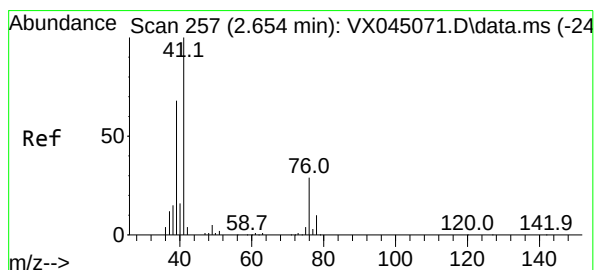
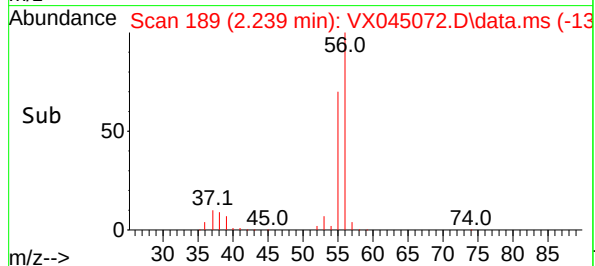
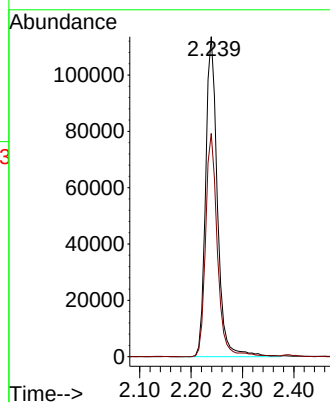
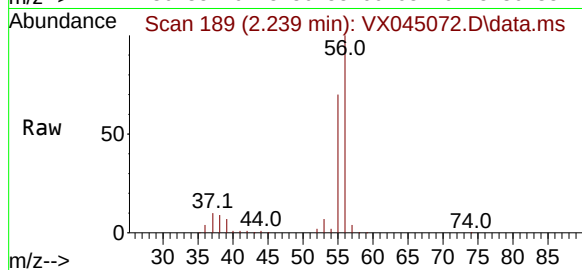
55 69.8 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#14

Allyl chloride

Concen: 94.344 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

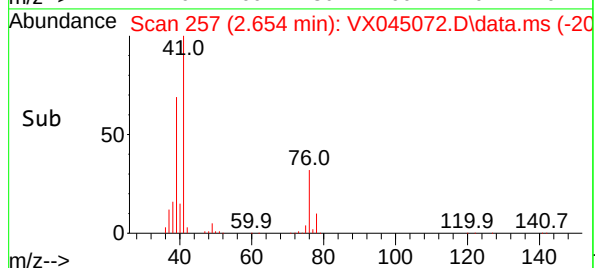
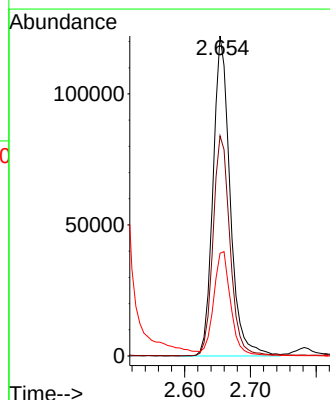
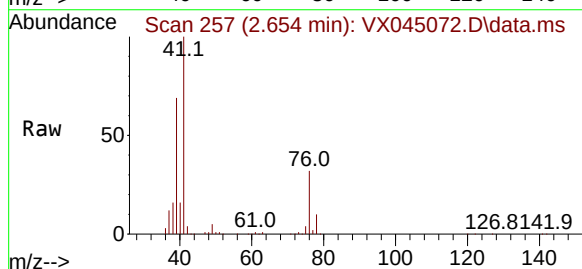
Tgt Ion: 41 Resp: 220783

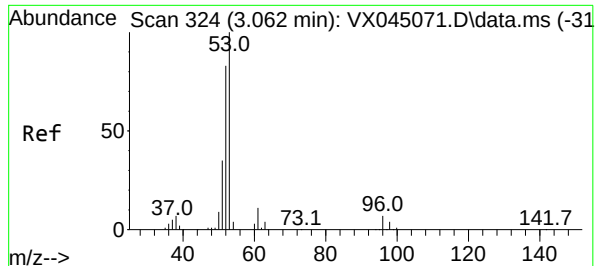
Ion Ratio Lower Upper

41 100

39 68.4 53.8 80.8

76 32.6 25.2 37.8





#15

Acrylonitrile

Concen: 526.749 ug/l

RT: 3.068 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

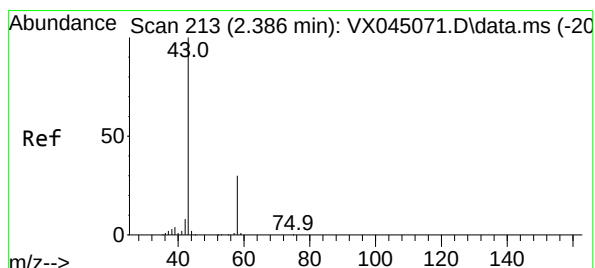
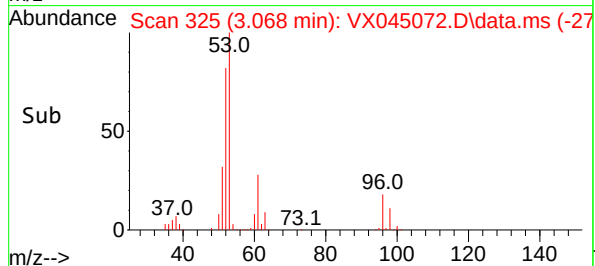
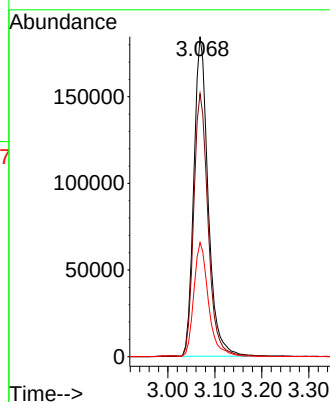
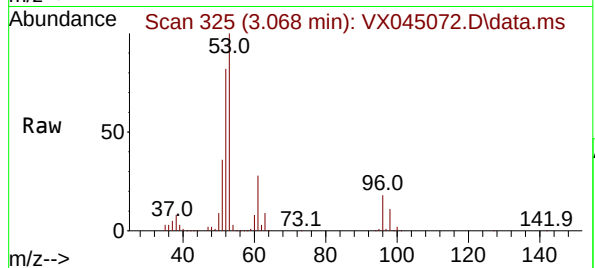
Tgt Ion:	53	Resp:	391940
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.2
51	36.6	29.0	43.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#16

Acetone

Concen: 566.991 ug/l

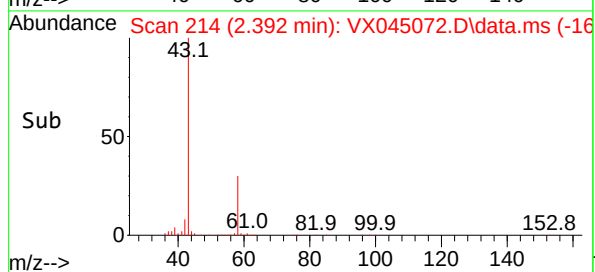
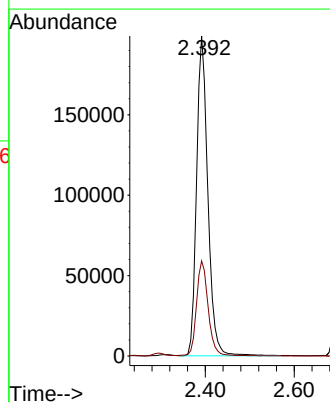
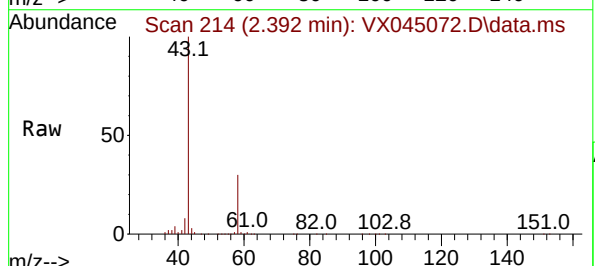
RT: 2.392 min Scan# 214

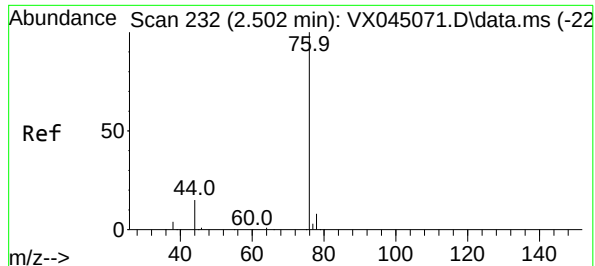
Delta R.T. 0.006 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Tgt Ion:	43	Resp:	348698
Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.2	36.4





#17

Carbon Disulfide

Concen: 97.574 ug/l

RT: 2.495 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 345572

Ion Ratio Lower Upper

76 100

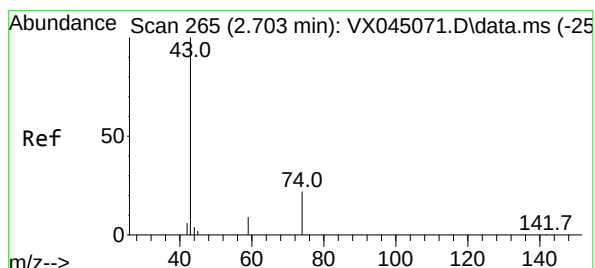
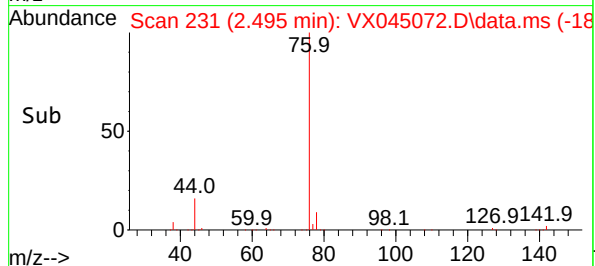
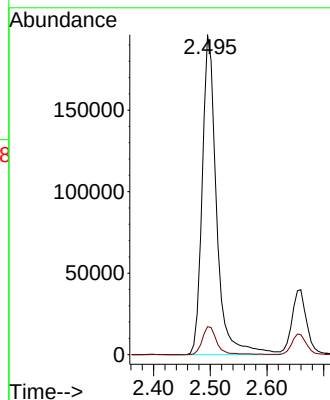
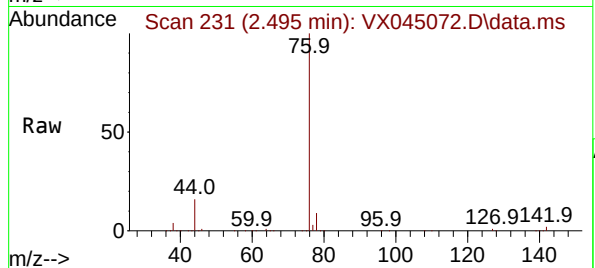
78 8.7 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#18

Methyl Acetate

Concen: 94.899 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX045072.D

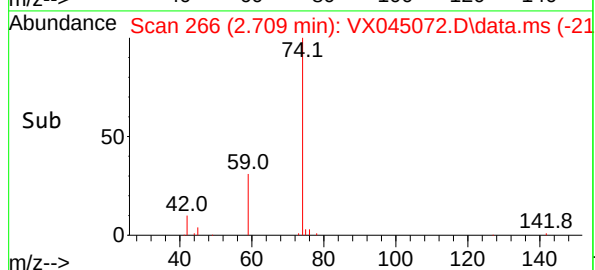
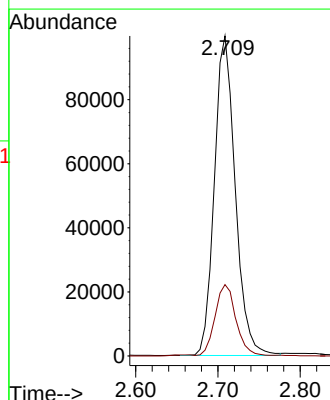
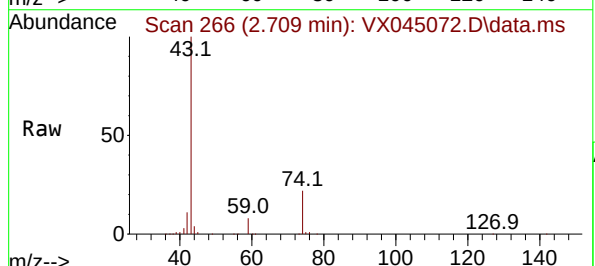
Acq: 28 Feb 2025 03:23

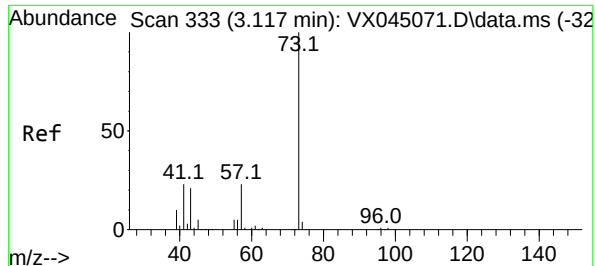
Tgt Ion: 43 Resp: 175784

Ion Ratio Lower Upper

43 100

74 22.7 17.4 26.2





#19

Methyl tert-butyl Ether

Concen: 103.661 ug/l

RT: 3.117 min Scan# 333

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Tgt Ion: 73 Resp: 43141

Ion Ratio Lower Upper

73 100

57 23.0 18.5 27.7

Instrument :

MSVOA_X

ClientSampleId :

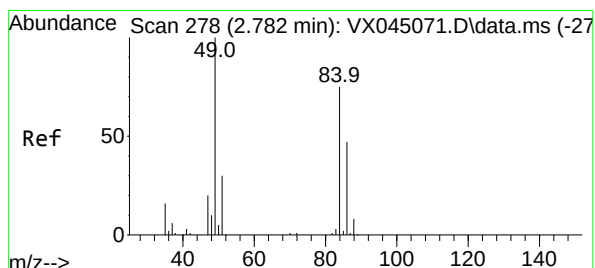
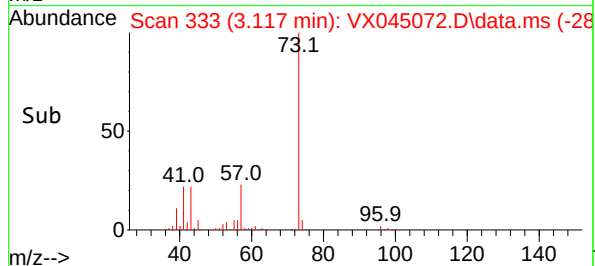
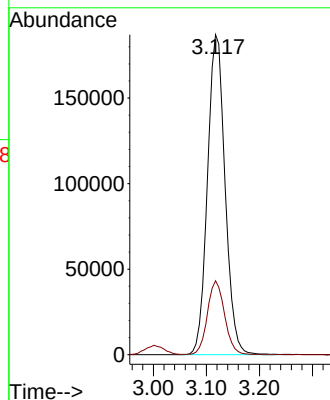
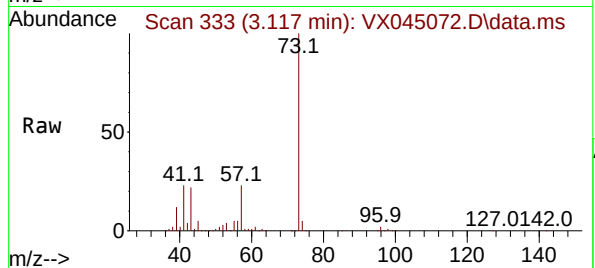
VSTDIC100

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#20

Methylene Chloride

Concen: 96.381 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Tgt Ion: 84 Resp: 140388

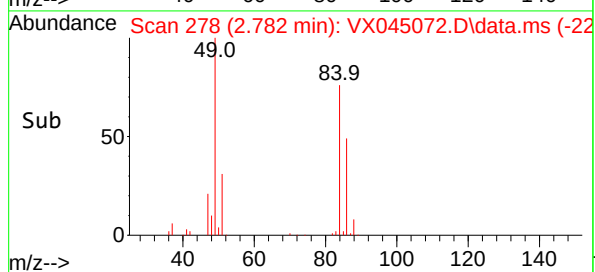
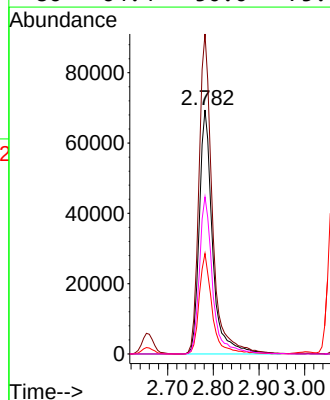
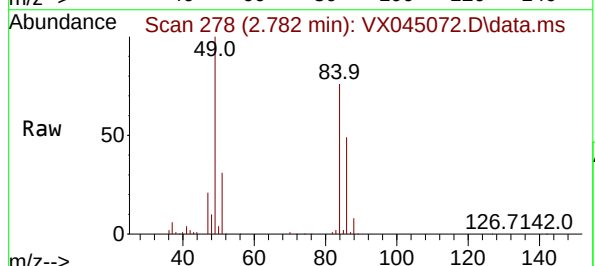
Ion Ratio Lower Upper

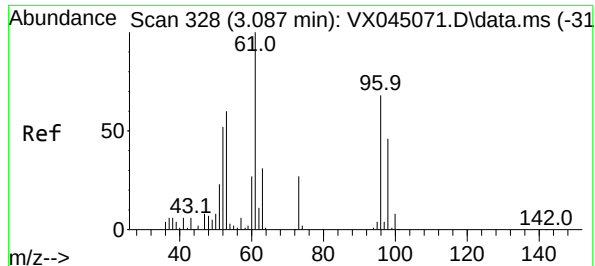
84 100

49 131.2 106.5 159.7

51 41.2 32.1 48.1

86 64.4 50.0 75.0





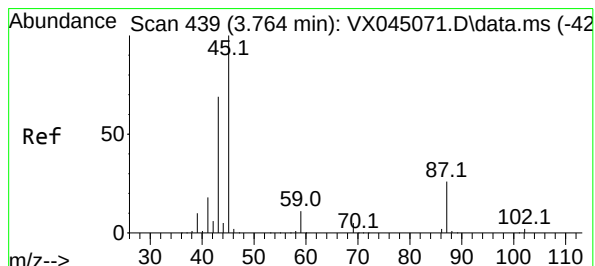
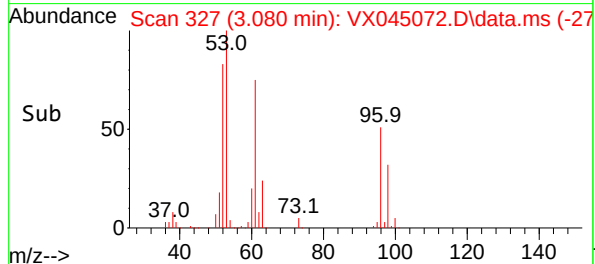
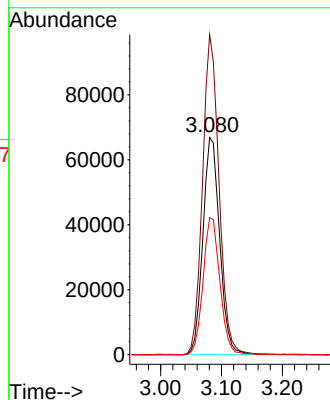
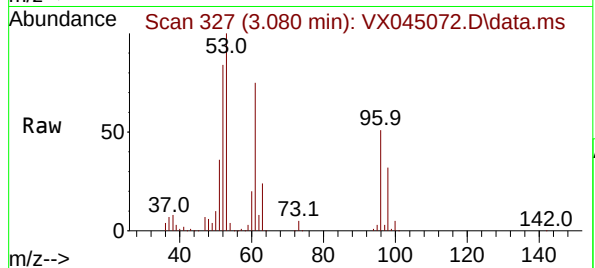
#21
trans-1,2-Dichloroethene
Concen: 100.164 ug/l
RT: 3.080 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 12823
Ion Ratio Lower Upper
96 100
61 147.3 117.0 175.4
98 63.0 53.4 80.2

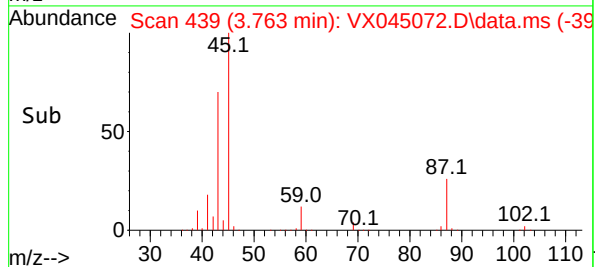
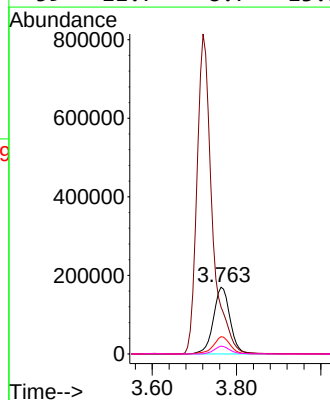
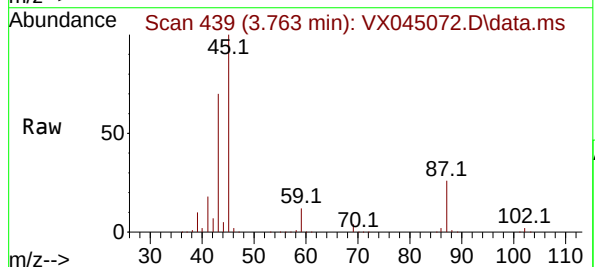
Manual Integrations
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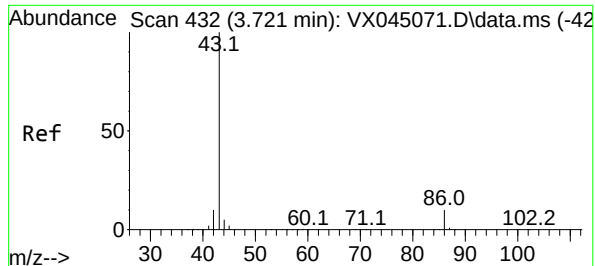
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#22
Diisopropyl ether
Concen: 104.489 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 45 Resp: 467534
Ion Ratio Lower Upper
45 100
43 70.4 54.9 82.3
87 26.0 21.0 31.4
59 11.7 8.7 13.1





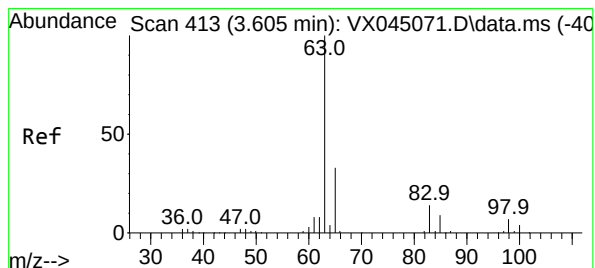
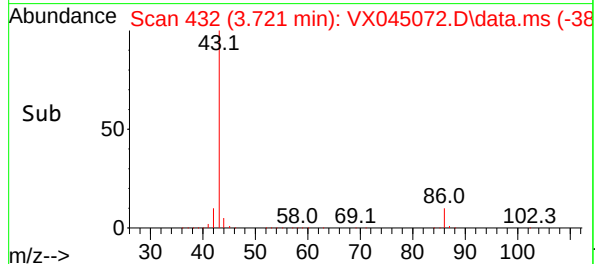
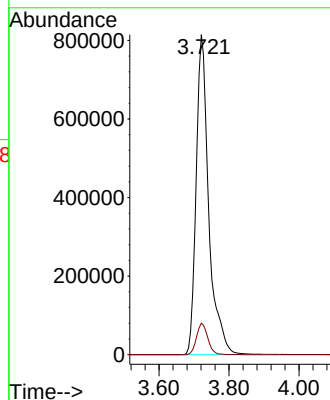
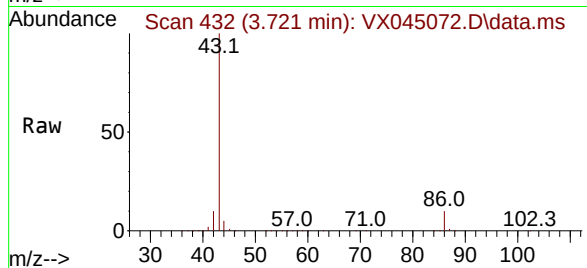
#23
Vinyl Acetate
Concen: 554.219 ug/l
RT: 3.721 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2035880
Ion Ratio Lower Upper
43 100
86 9.9 8.1 12.1

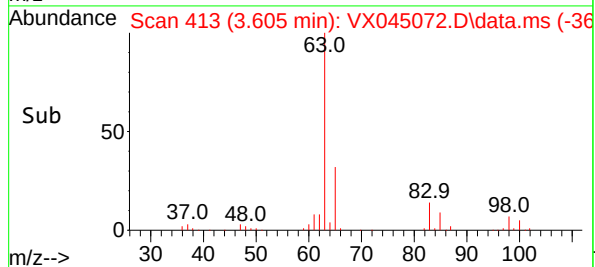
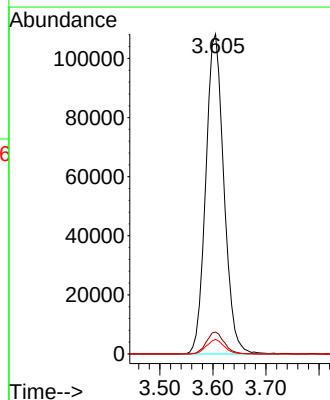
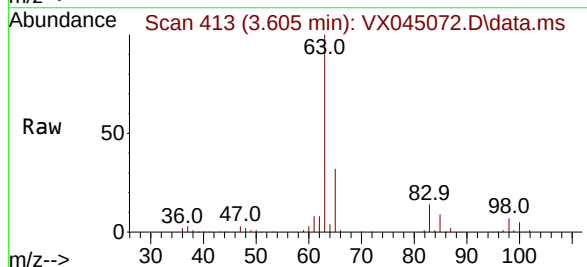
Manual Integrations
APPROVED

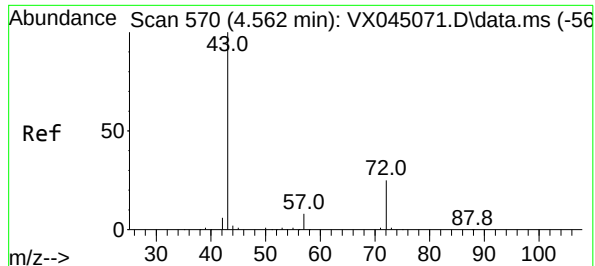
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#24
1,1-Dichloroethane
Concen: 102.805 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 63 Resp: 257023
Ion Ratio Lower Upper
63 100
98 6.8 3.4 10.2
100 4.6 2.1 6.5





#25

2-Butanone

Concen: 563.952 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 55918

Ion Ratio Lower Upper

43

100

72

24.6

20.0

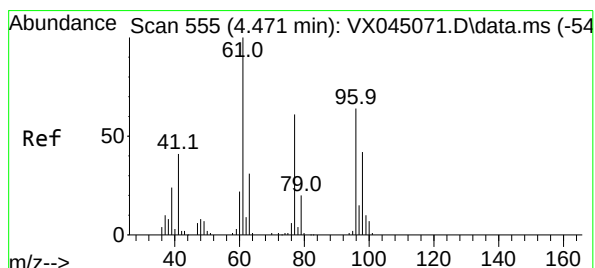
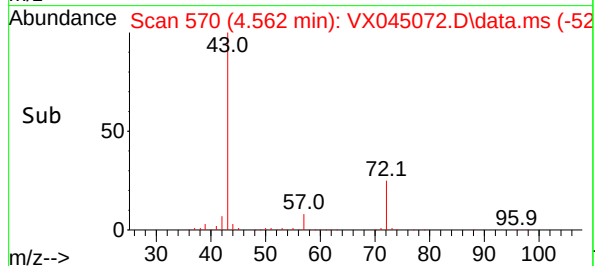
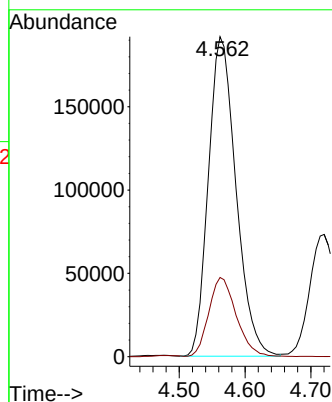
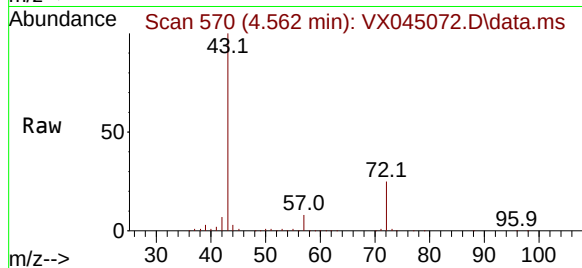
30.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#26

2,2-Dichloropropane

Concen: 67.148 ug/l

RT: 4.470 min Scan# 555

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Tgt Ion: 77 Resp: 124805

Ion Ratio Lower Upper

77

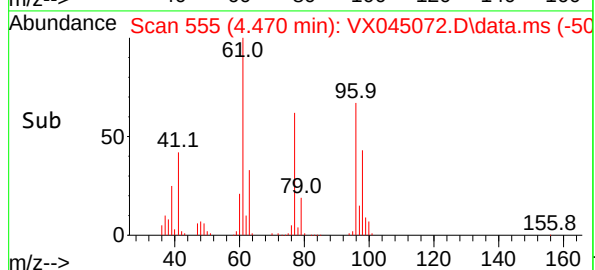
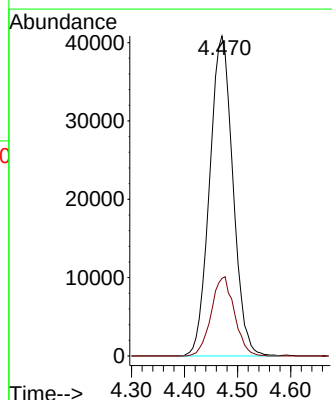
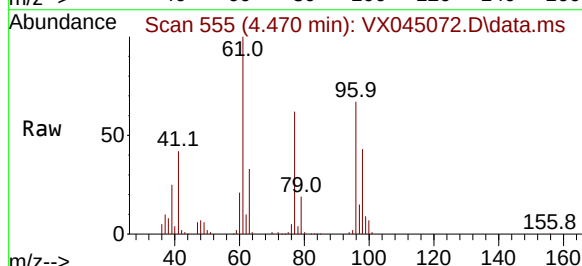
100

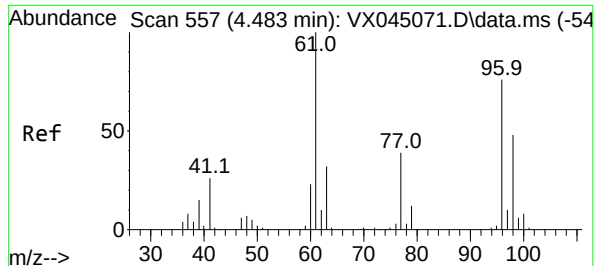
97

24.6

12.4

37.0





#27

cis-1,2-Dichloroethene

Concen: 100.568 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 15519

Ion Ratio Lower Upper

96 100

61 143.8 0.0 283.2

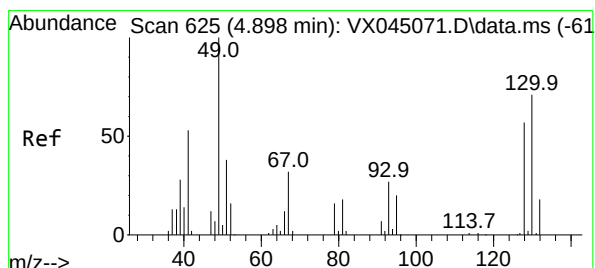
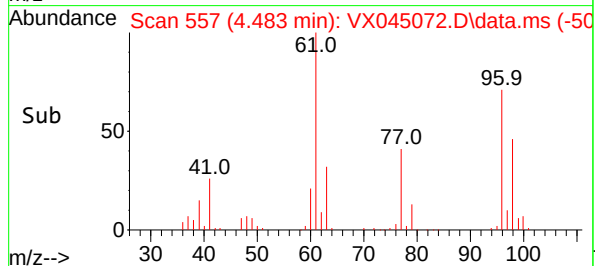
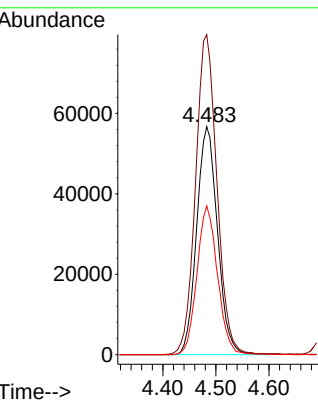
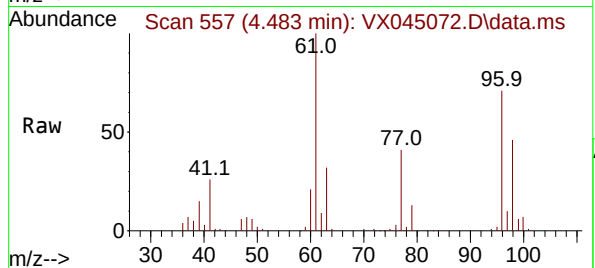
98 64.3 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#28

Bromochloromethane

Concen: 94.428 ug/l

RT: 4.897 min Scan# 625

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

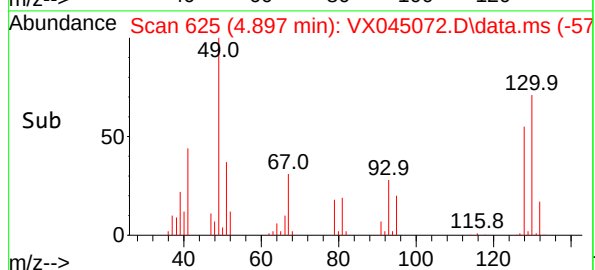
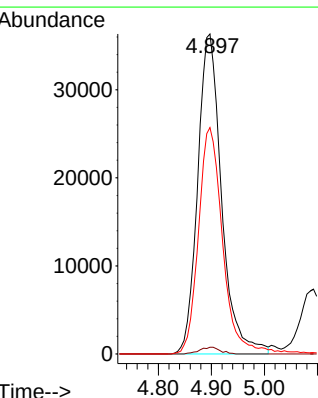
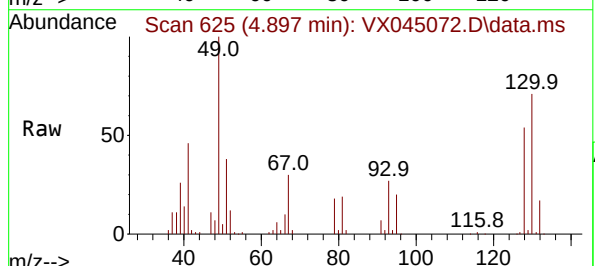
Tgt Ion: 49 Resp: 113848

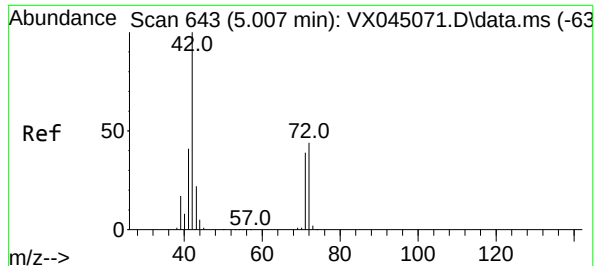
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.4

130 72.2 56.1 84.1





#29

Tetrahydrofuran

Concen: 556.465 ug/l

RT: 5.007 min Scan# 64

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 42 Resp: 36556

Ion Ratio Lower Upper

42 100

72 42.1 34.1 51.1

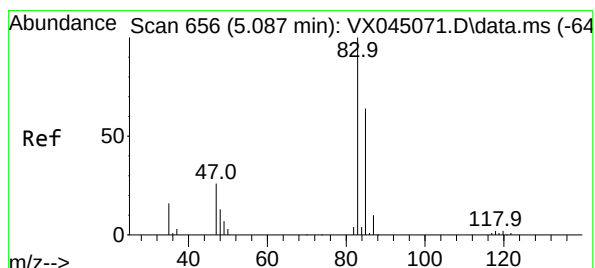
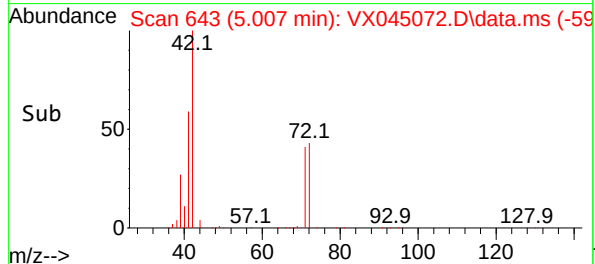
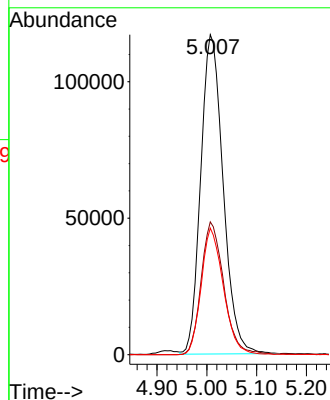
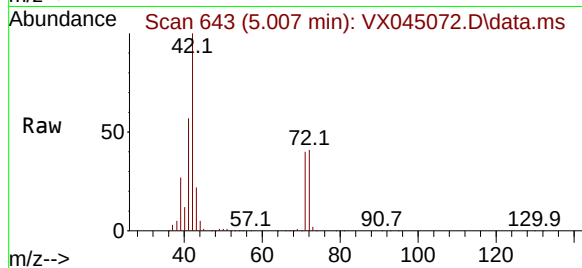
71 39.2 31.4 47.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#30

Chloroform

Concen: 101.814 ug/l

RT: 5.092 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX045072.D

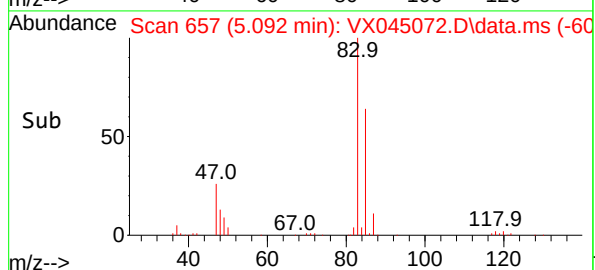
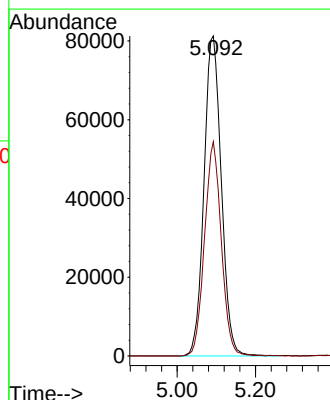
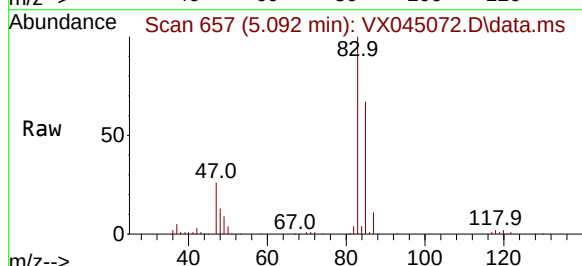
Acq: 28 Feb 2025 03:23

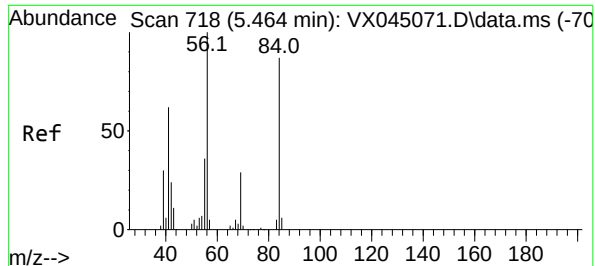
Tgt Ion: 83 Resp: 248978

Ion Ratio Lower Upper

83 100

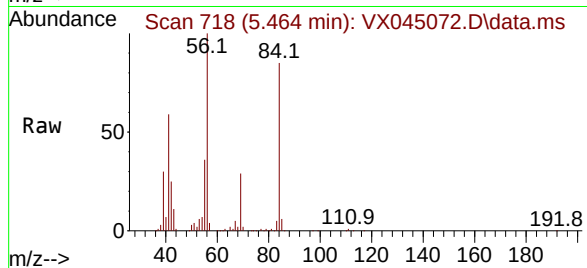
85 66.9 51.4 77.2





#31
Cyclohexane
Concen: 100.711 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

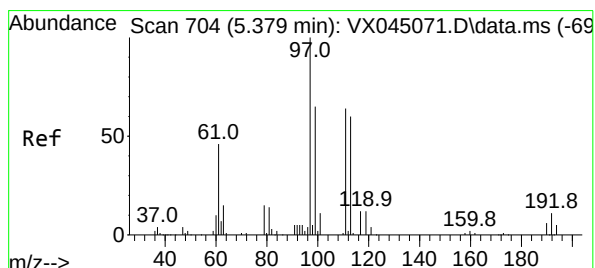
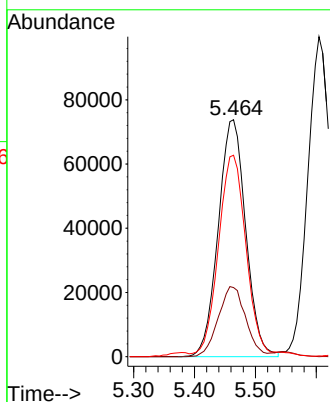
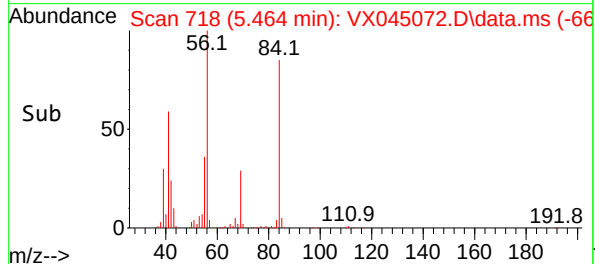
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 56 Resp: 23108
Ion Ratio Lower Upper
56 100
69 29.1 23.4 35.2
84 83.3 69.4 104.2

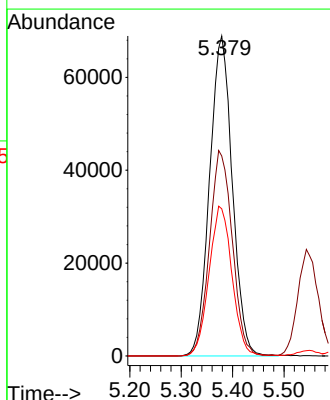
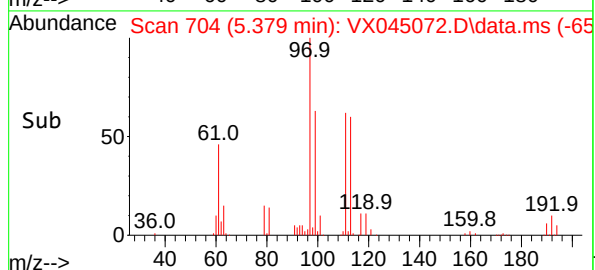
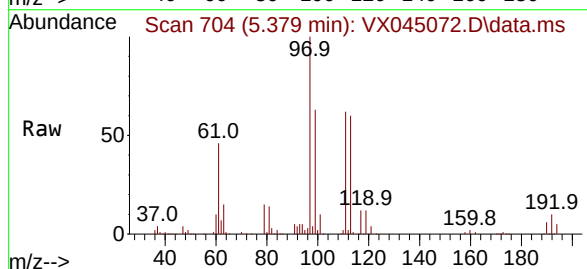
Manual Integrations
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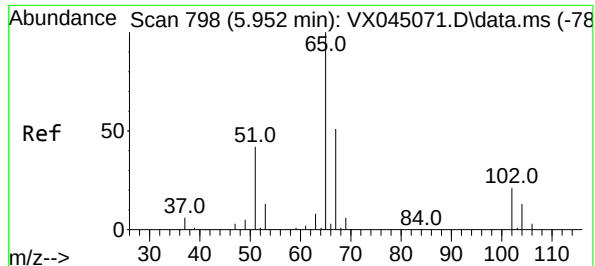
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#32
1,1,1-Trichloroethane
Concen: 102.638 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 97 Resp: 211302
Ion Ratio Lower Upper
97 100
99 64.7 51.6 77.4
61 47.3 38.4 57.6





#33

1,2-Dichloroethane-d4

Concen: 106.011 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 65 Resp: 158452

Ion Ratio Lower Upper

65 100

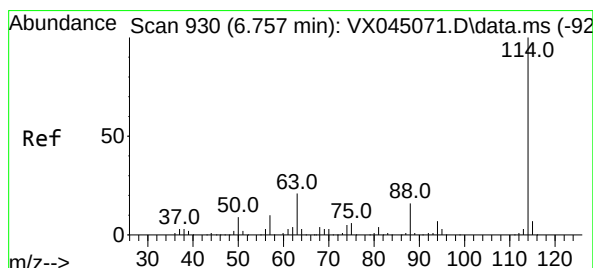
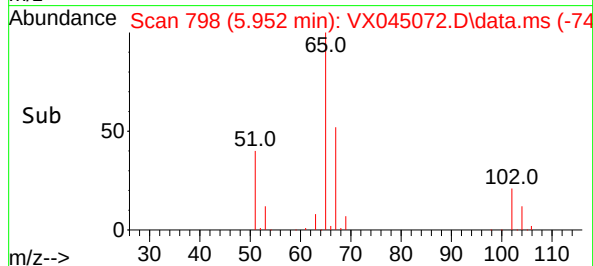
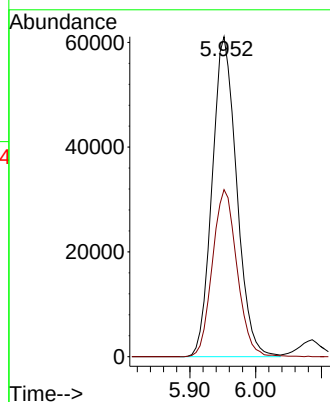
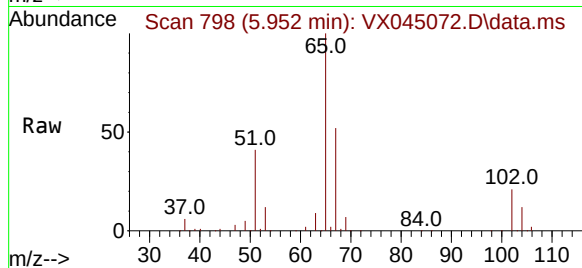
67 52.5 0.0 106.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

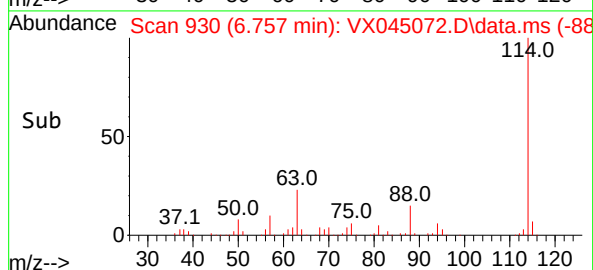
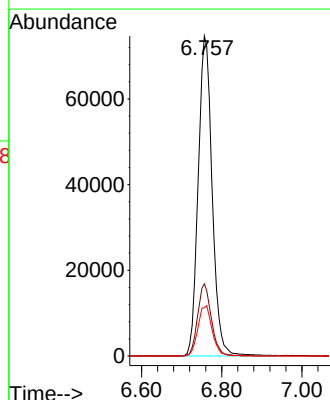
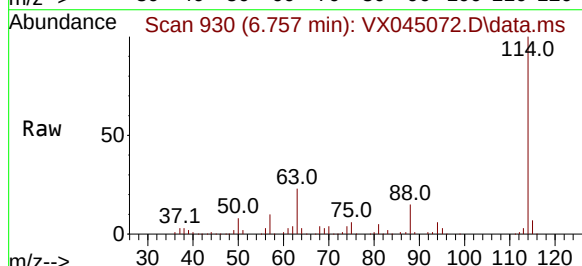
Tgt Ion:114 Resp: 181031

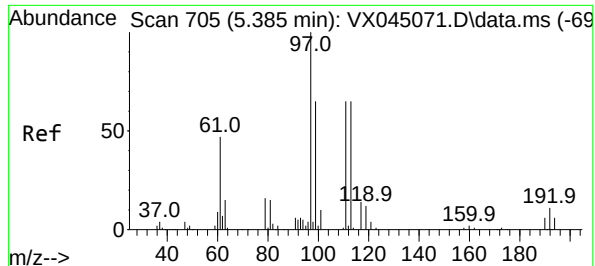
Ion Ratio Lower Upper

114 100

63 22.5 0.0 41.8

88 15.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 104.110 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX045072.D

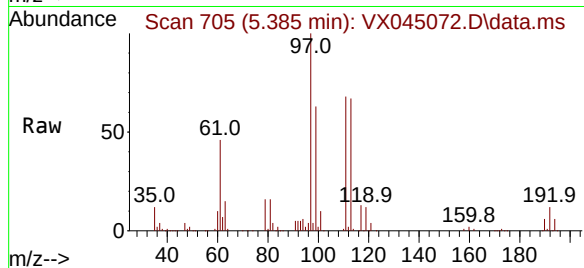
Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100



Tgt Ion:113 Resp: 12318

Ion Ratio Lower Upper

113 100

111 102.1 81.8 122.6

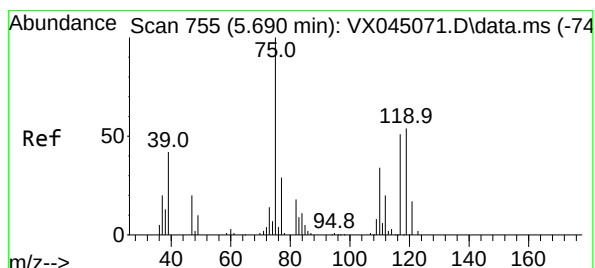
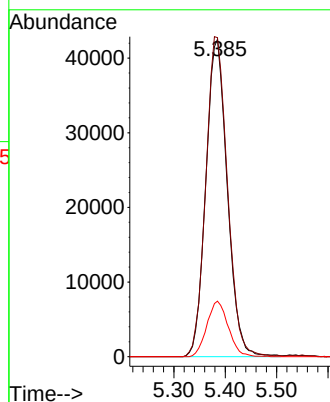
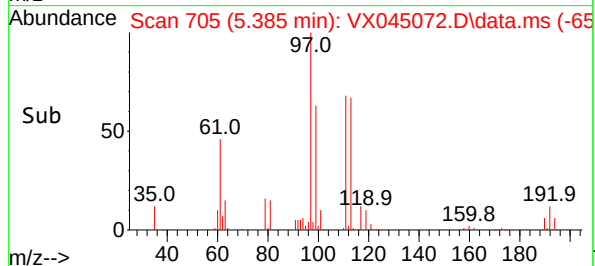
192 17.5 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#36

1,1-Dichloropropene

Concen: 101.258 ug/l

RT: 5.690 min Scan# 755

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

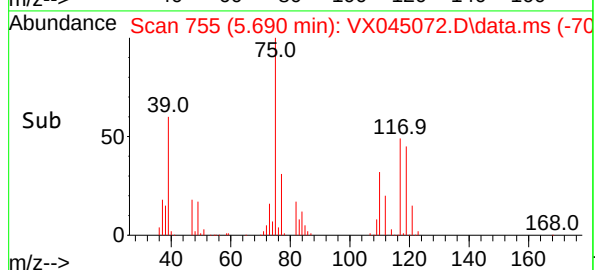
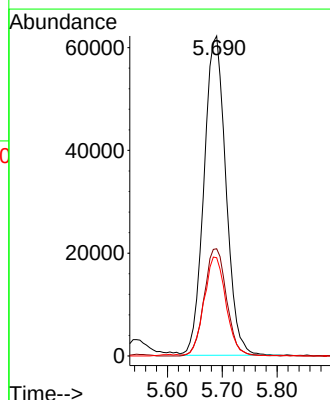
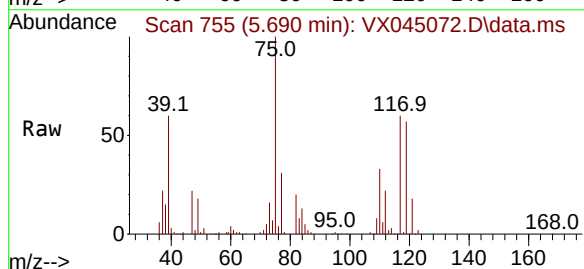
Tgt Ion: 75 Resp: 172295

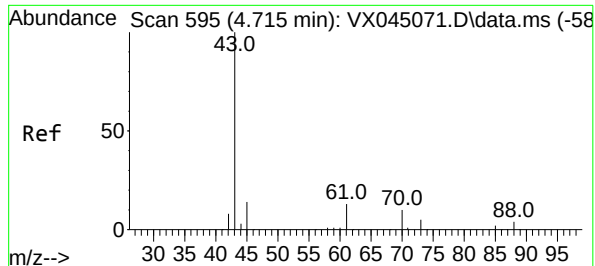
Ion Ratio Lower Upper

75 100

110 34.4 16.9 50.6

77 31.0 24.5 36.7





#37

Ethyl Acetate

Concen: 113.796 ug/l

RT: 4.720 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 22032

Ion Ratio Lower Upper

43 100

61 12.6 10.8 16.2

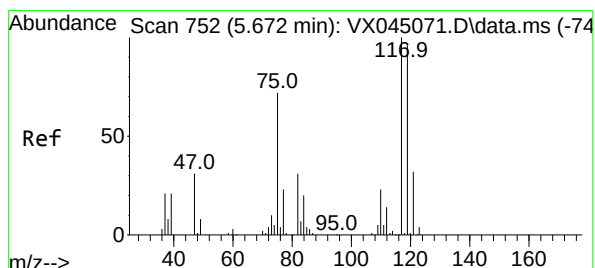
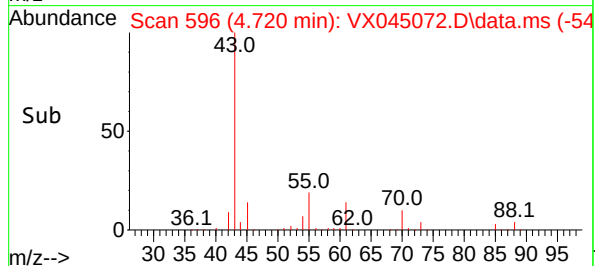
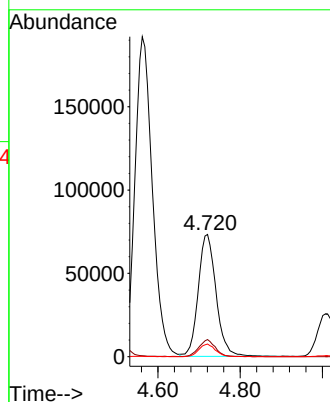
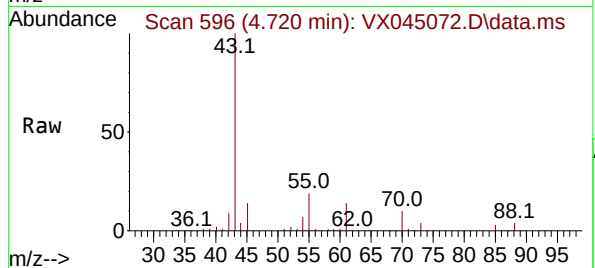
70 9.6 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#38

Carbon Tetrachloride

Concen: 105.940 ug/l

RT: 5.671 min Scan# 752

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

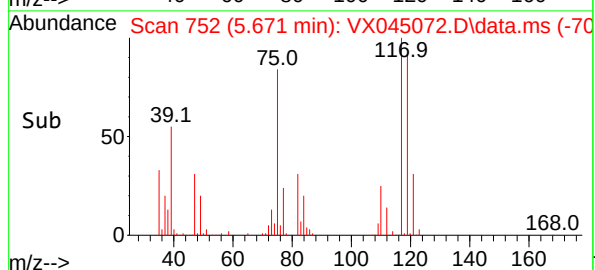
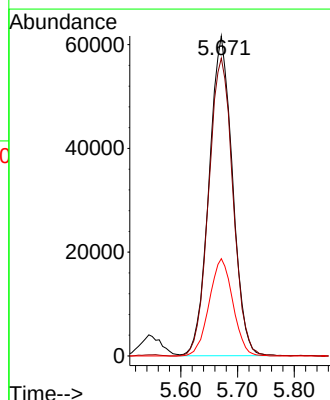
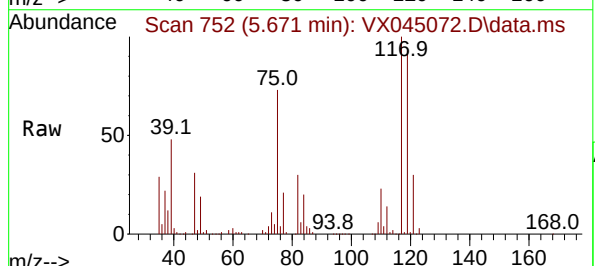
Tgt Ion:117 Resp: 177219

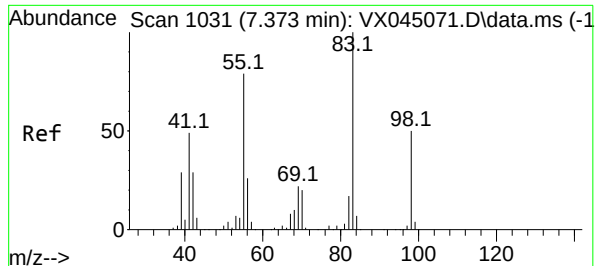
Ion Ratio Lower Upper

117 100

119 93.0 76.7 115.1

121 30.4 25.5 38.3





#39

Methylcyclohexane

Concen: 101.175 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 219850

Ion Ratio Lower Upper

83 100

55 80.6 63.0 94.4

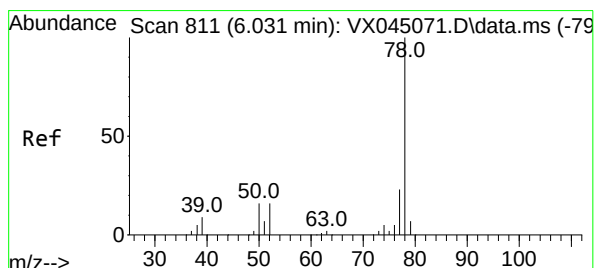
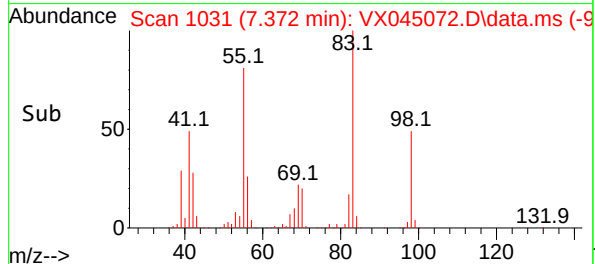
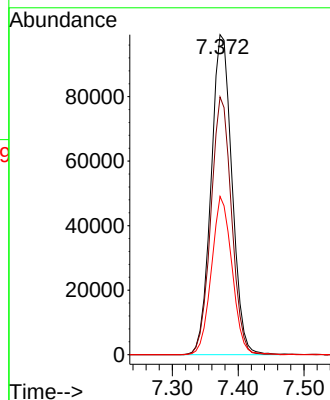
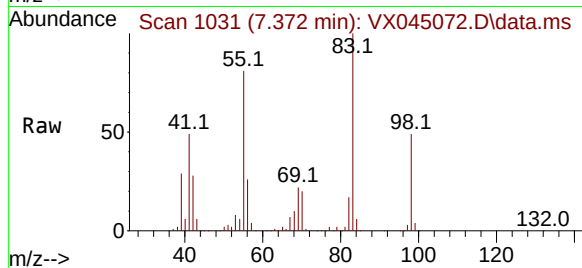
98 49.5 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#40

Benzene

Concen: 101.908 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX045072.D

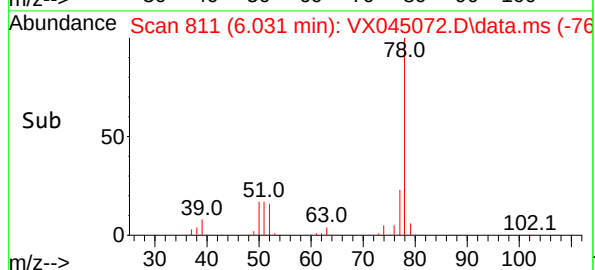
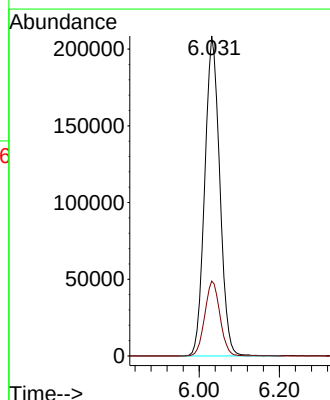
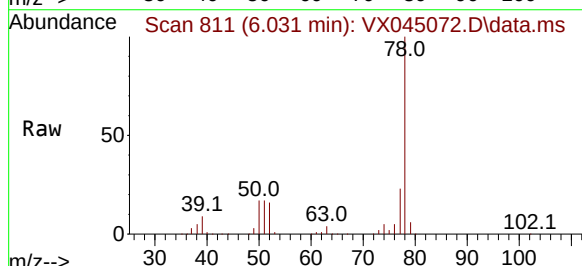
Acq: 28 Feb 2025 03:23

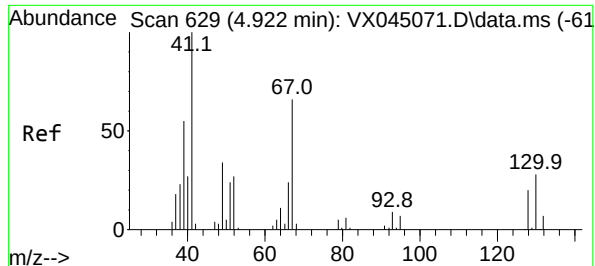
Tgt Ion: 78 Resp: 541974

Ion Ratio Lower Upper

78 100

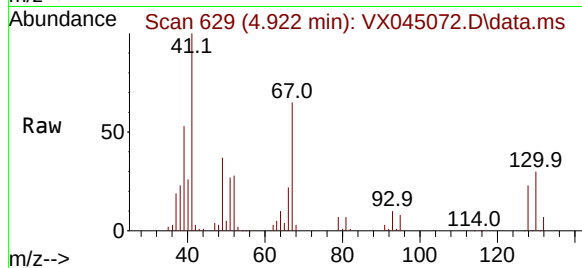
77 23.4 18.8 28.2





#41
Methacrylonitrile
Concen: 116.205 ug/l
RT: 4.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

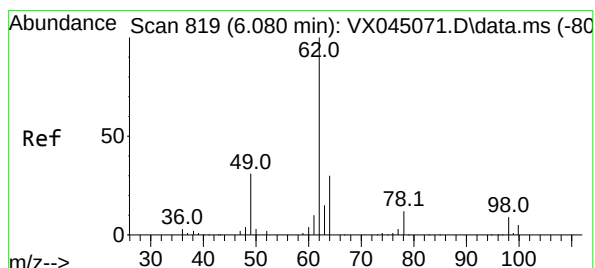
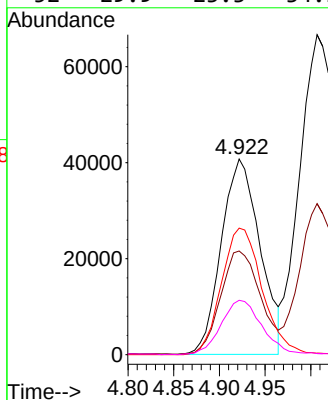
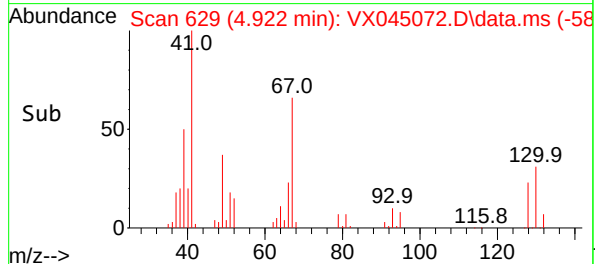
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 41 Resp: 120180
Ion Ratio Lower Upper
41 100
39 54.3 44.6 67.0
67 68.3 53.9 80.9
52 29.9 23.3 34.9

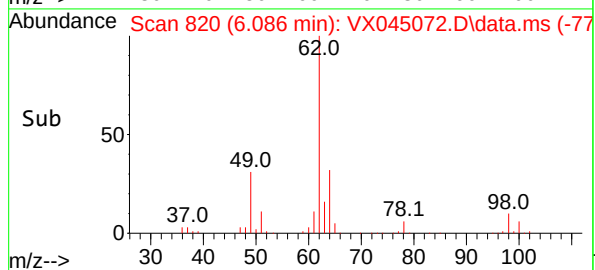
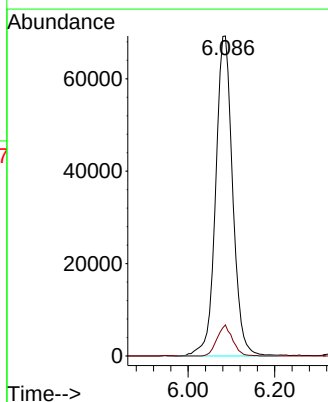
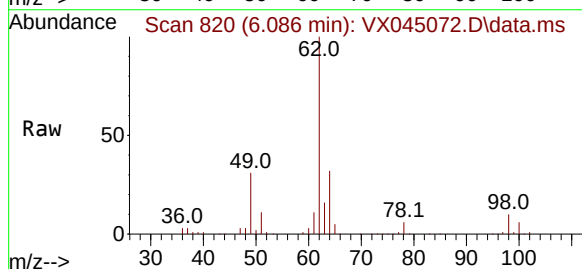
Manual Integrations
APPROVED

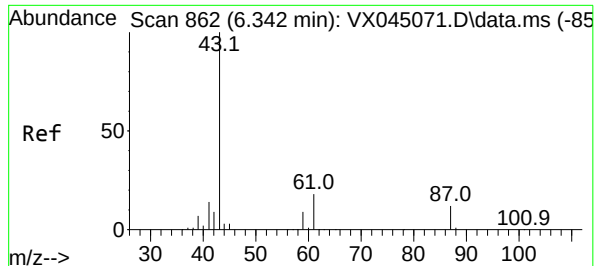
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#42
1,2-Dichloroethane
Concen: 110.158 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 62 Resp: 189857
Ion Ratio Lower Upper
62 100
98 8.8 0.0 18.2





#43

Isopropyl Acetate

Concen: 109.806 ug/l

RT: 6.342 min Scan# 862

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 338414

Ion Ratio Lower Upper

43

100

61

18.9

87

12.3

9.4

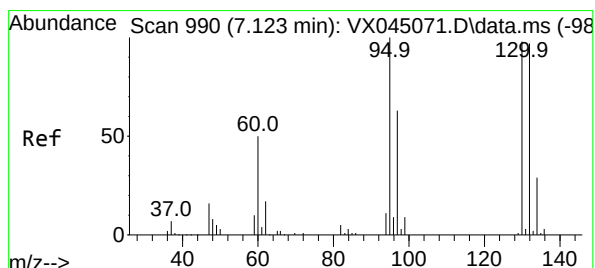
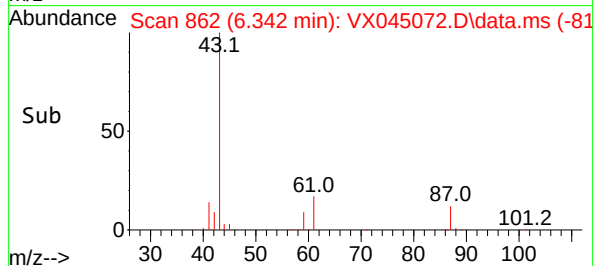
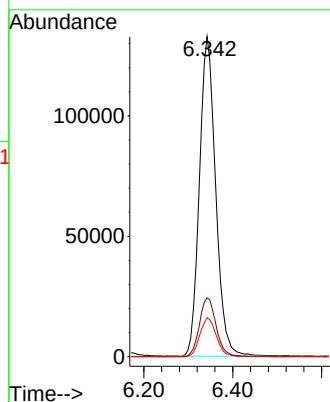
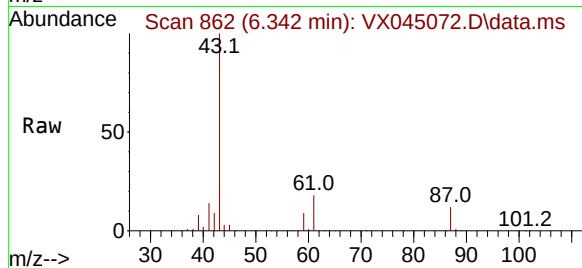
14.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#44

Trichloroethene

Concen: 105.402 ug/l

RT: 7.122 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Tgt Ion:130 Resp: 128124

Ion Ratio Lower Upper

130

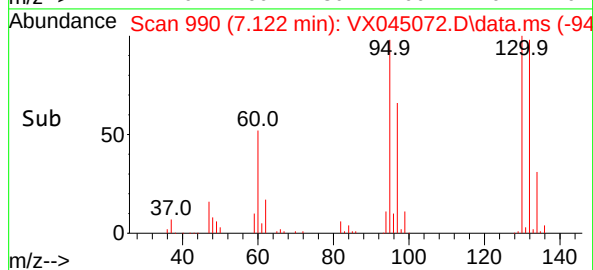
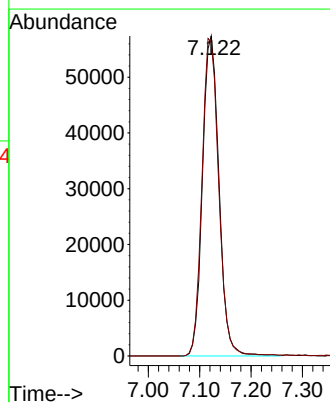
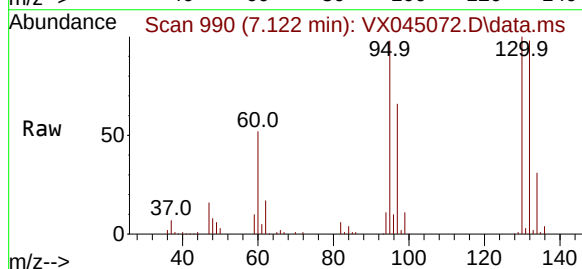
100

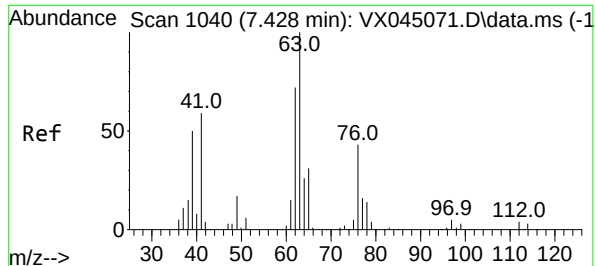
95

98.1

0.0

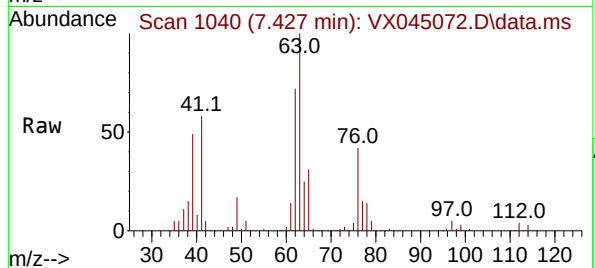
205.0





#45
1,2-Dichloropropane
Concen: 102.898 ug/l
RT: 7.427 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

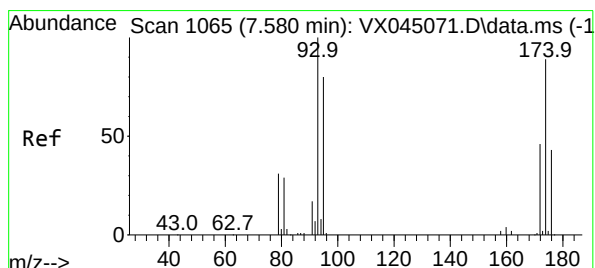
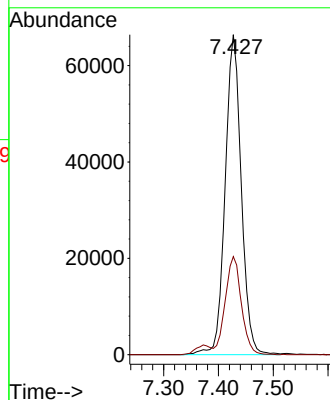
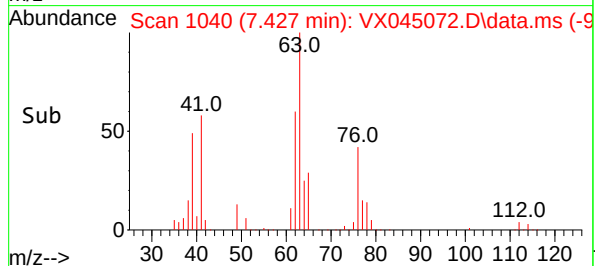
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 63 Resp: 13599
Ion Ratio Lower Upper
63 100
65 30.7 24.7 37.1

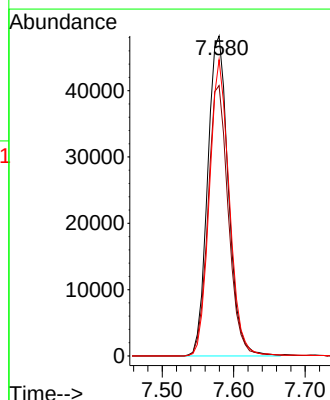
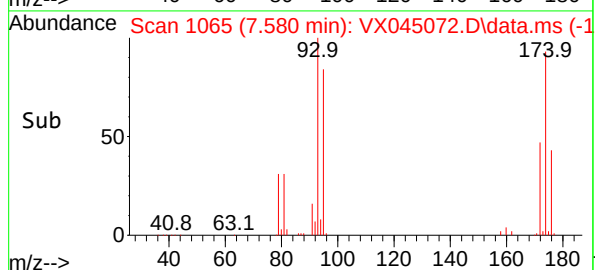
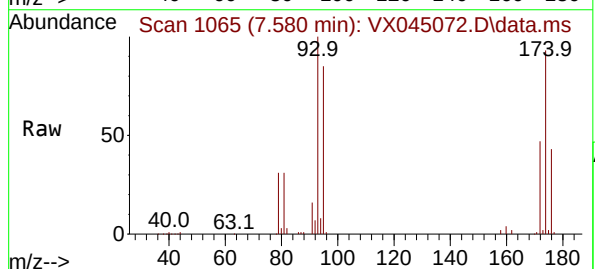
Manual Integrations
APPROVED

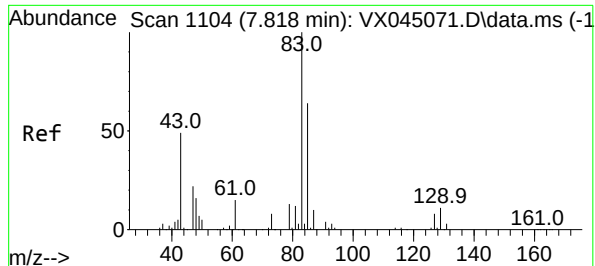
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#46
Dibromomethane
Concen: 105.329 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 93 Resp: 97248
Ion Ratio Lower Upper
93 100
95 83.3 65.8 98.8
174 89.0 72.2 108.2





#47

Bromodichloromethane

Concen: 106.947 ug/l

RT: 7.817 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 191010

Ion Ratio Lower Upper

83 100

85 66.4 51.1 76.7

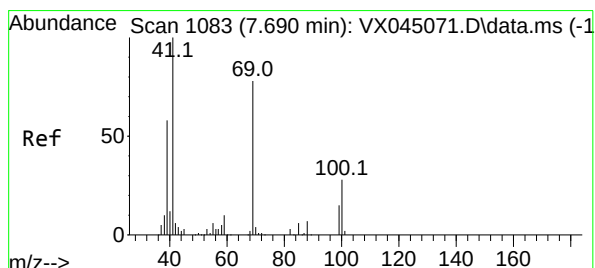
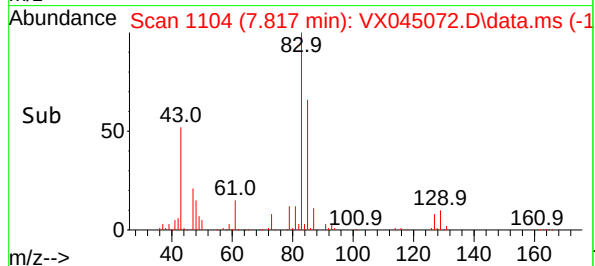
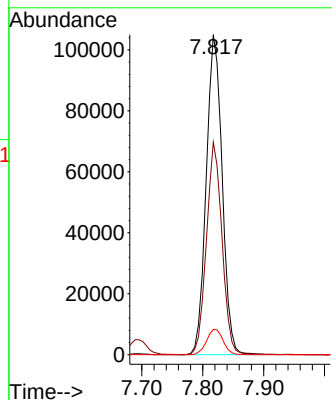
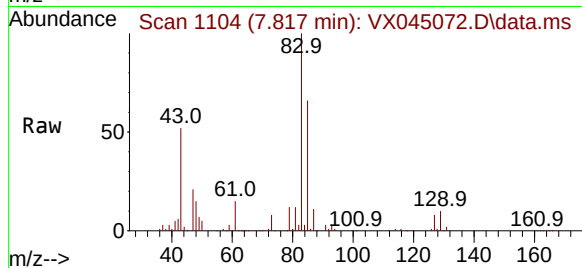
127 7.9 6.4 9.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#48

Methyl methacrylate

Concen: 113.344 ug/l

RT: 7.695 min Scan# 1084

Delta R.T. 0.006 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

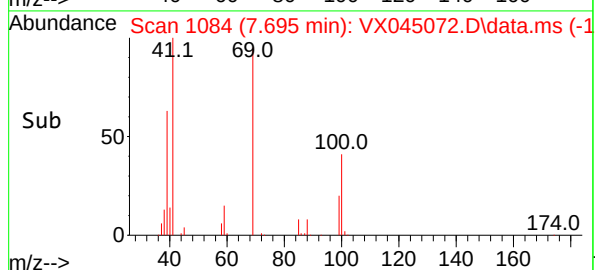
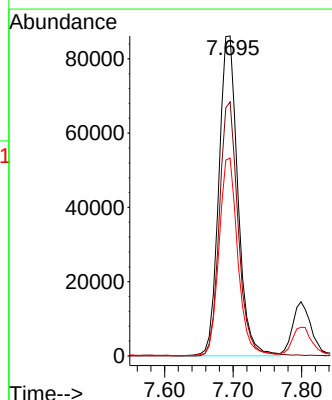
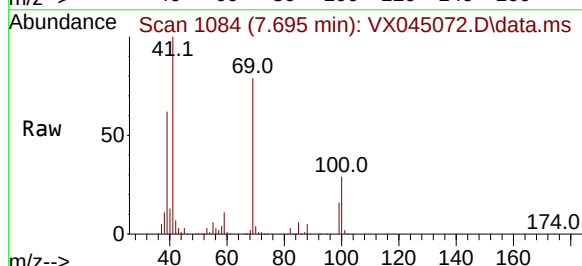
Tgt Ion: 41 Resp: 165825

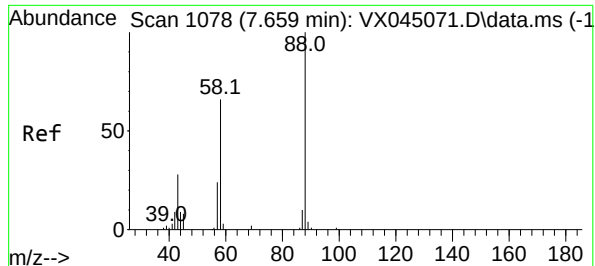
Ion Ratio Lower Upper

41 100

69 78.5 63.0 94.6

39 60.9 47.5 71.3





#49

1,4-Dioxane

Concen: 2132.314 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 88 Resp: 66308

Ion Ratio Lower Upper

88 100

43 35.6 28.7 43.1

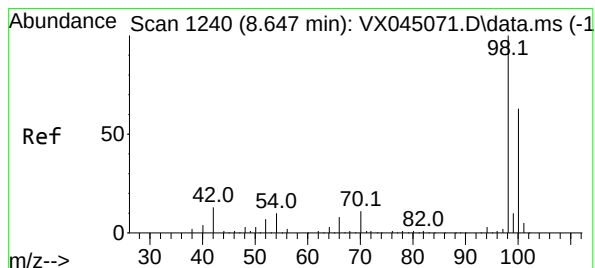
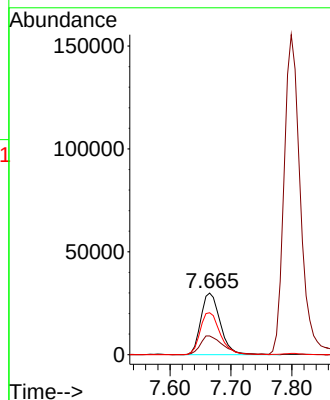
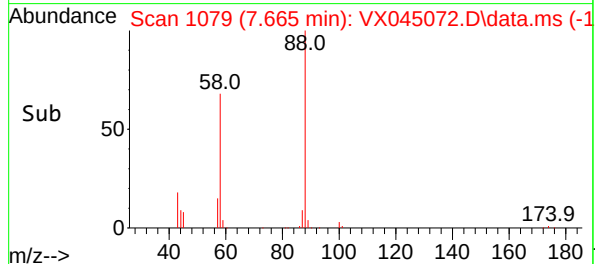
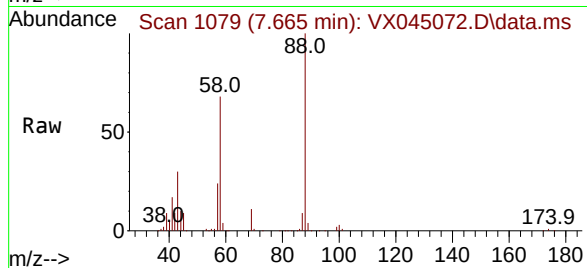
58 70.5 55.8 83.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#50

Toluene-d8

Concen: 99.595 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045072.D

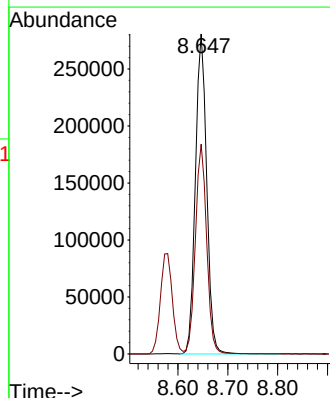
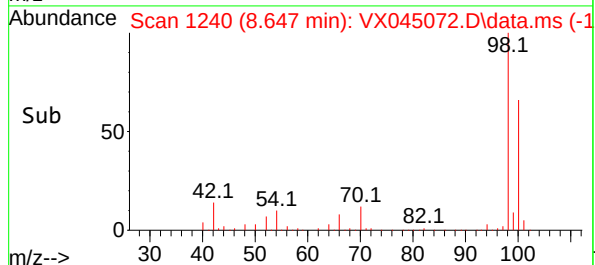
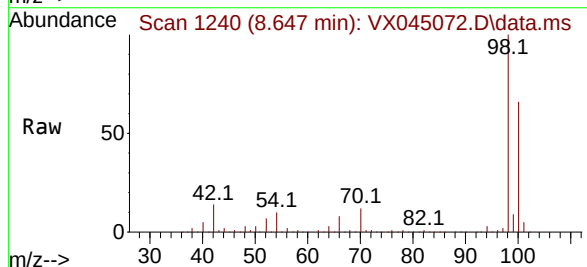
Acq: 28 Feb 2025 03:23

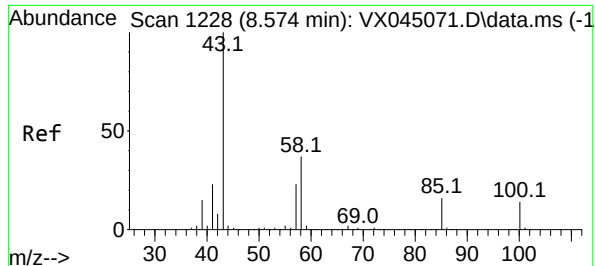
Tgt Ion: 98 Resp: 441188

Ion Ratio Lower Upper

98 100

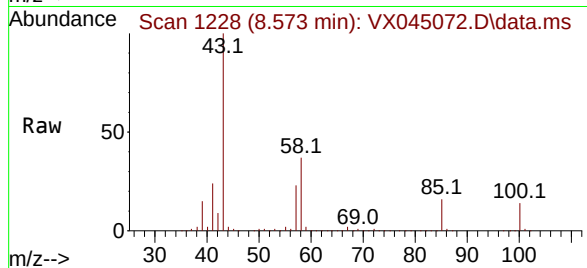
100 65.3 52.0 78.0





#51
4-Methyl-2-Pentanone
Concen: 555.050 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

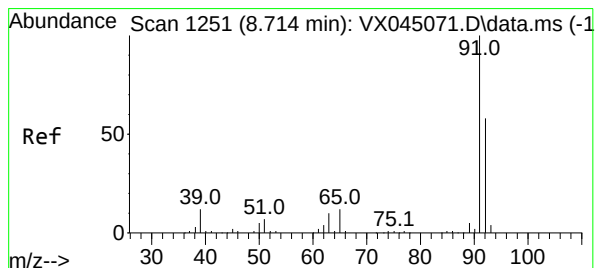
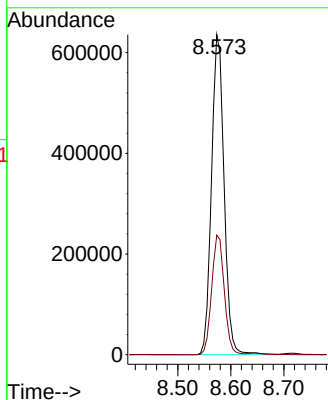
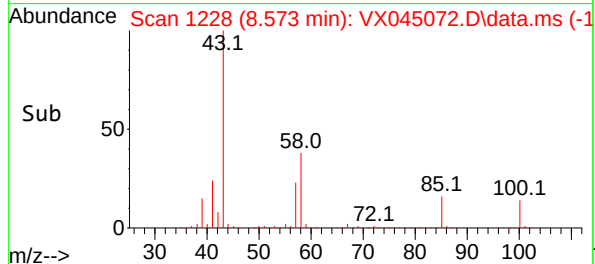
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 43 Resp: 1048140
Ion Ratio Lower Upper
43 100
58 37.4 29.2 43.8

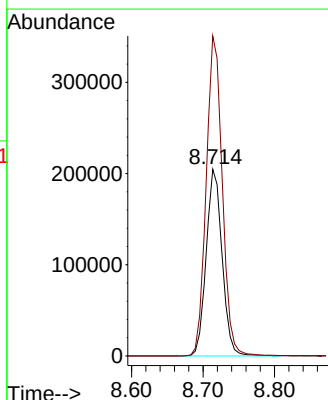
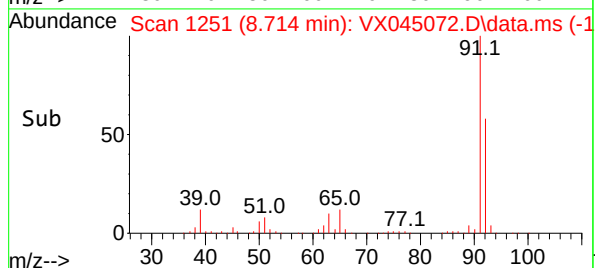
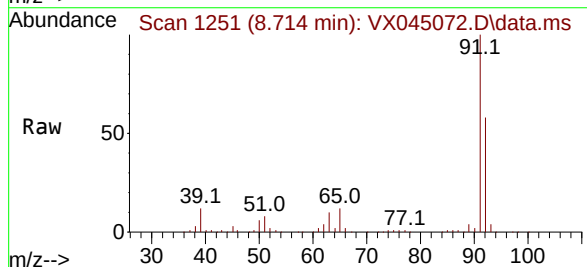
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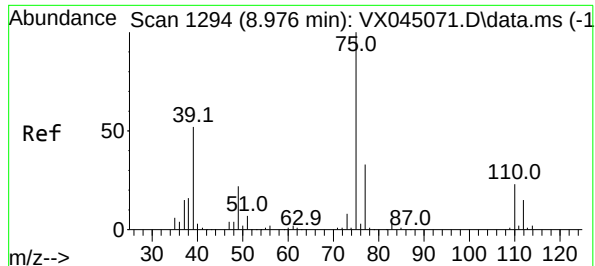
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#52
Toluene
Concen: 100.178 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 92 Resp: 316349
Ion Ratio Lower Upper
92 100
91 173.2 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 100.462 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 75 Resp: 177352

Ion Ratio Lower Upper

75 100

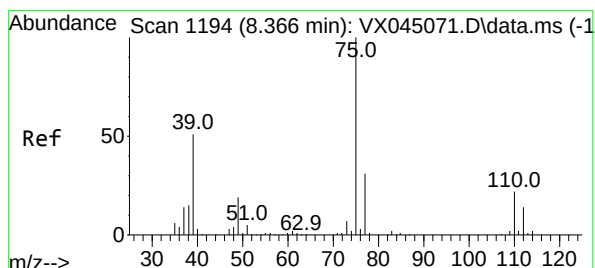
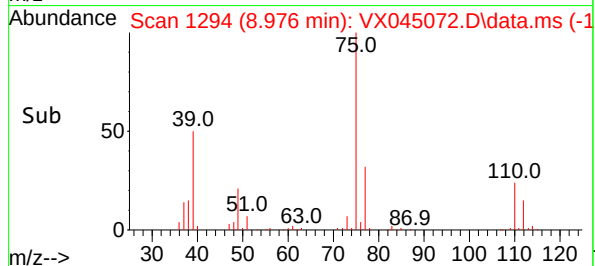
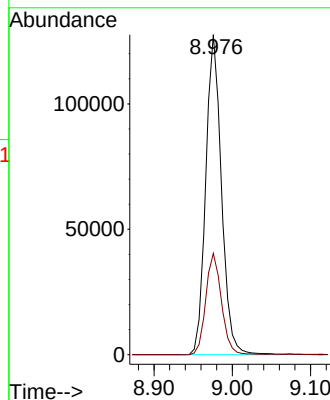
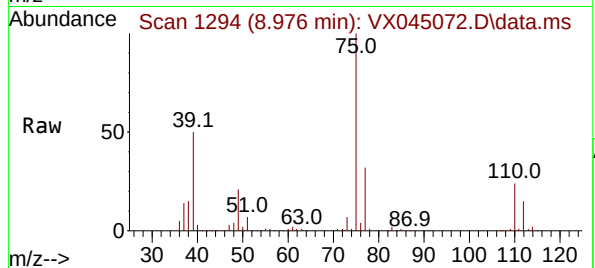
77 31.6 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#54

cis-1,3-Dichloropropene

Concen: 101.815 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

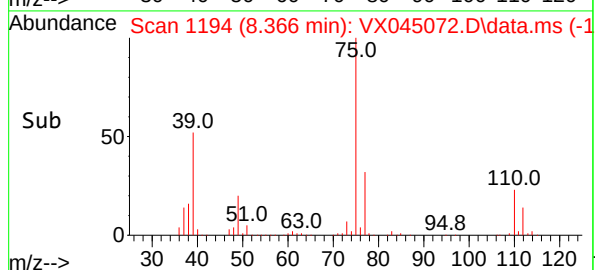
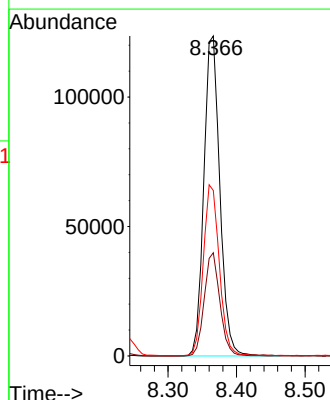
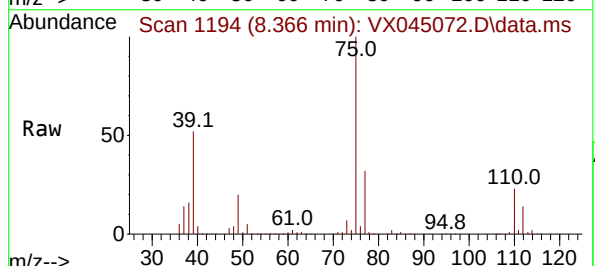
Tgt Ion: 75 Resp: 200943

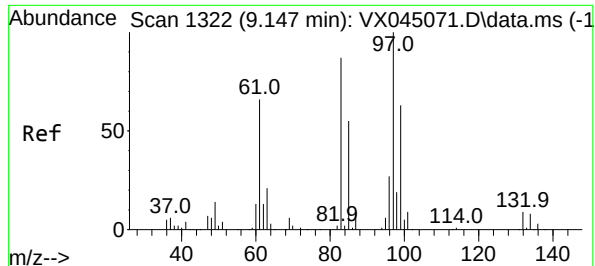
Ion Ratio Lower Upper

75 100

77 32.2 24.7 37.1

39 51.6 40.7 61.1





#55

1,1,2-Trichloroethane

Concen: 100.920 ug/l

RT: 9.146 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 123420

Ion Ratio Lower Upper

97 100

83 88.0 69.4 104.2

85 55.1 44.1 66.1

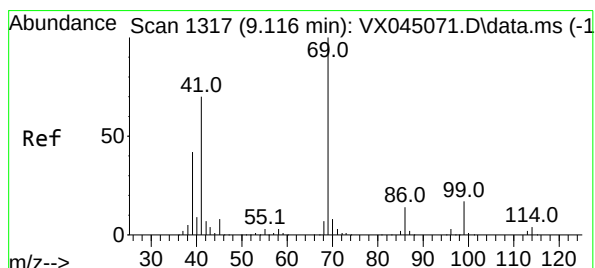
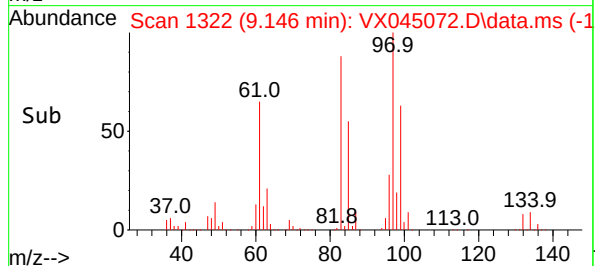
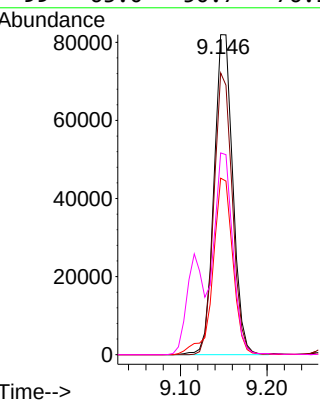
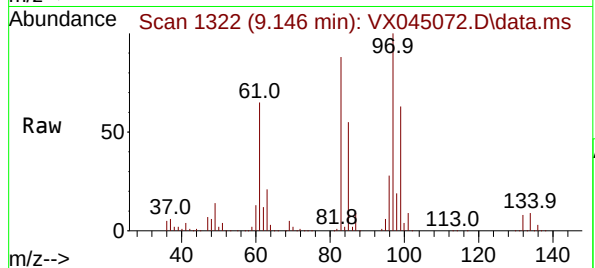
99 63.0 50.7 76.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#56

Ethyl methacrylate

Concen: 106.744 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

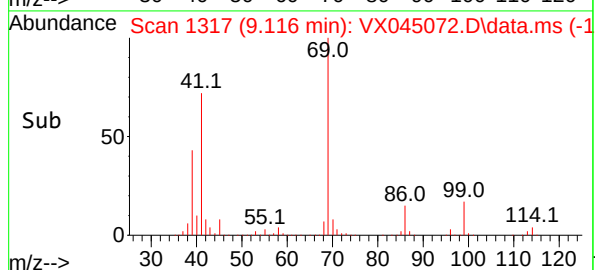
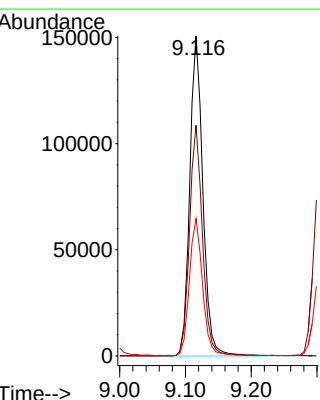
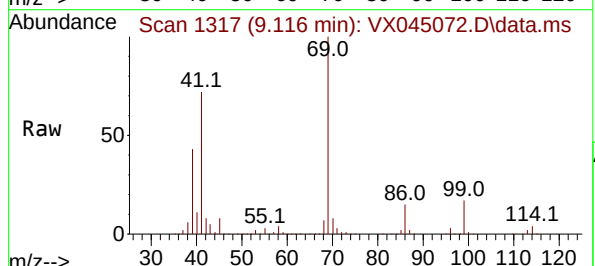
Tgt Ion: 69 Resp: 208782

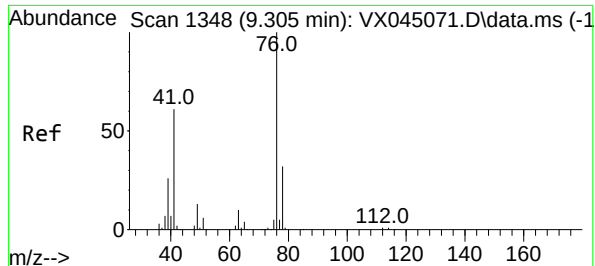
Ion Ratio Lower Upper

69 100

41 71.3 57.0 85.4

39 43.0 34.2 51.4





#57

1,3-Dichloropropane

Concen: 101.387 ug/l

RT: 9.305 min Scan# 11348

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 21626

Ion Ratio Lower Upper

76 100

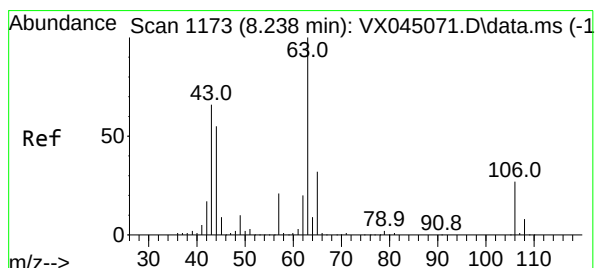
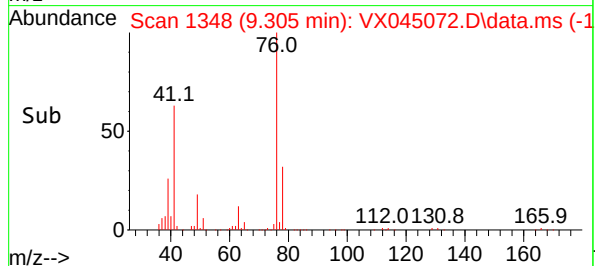
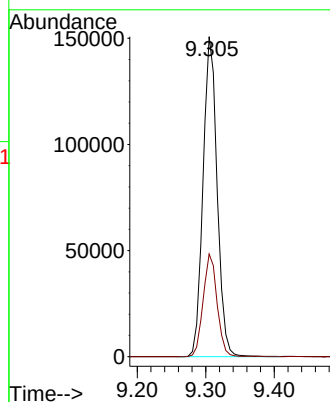
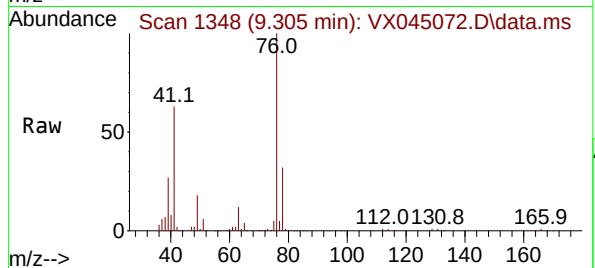
78 31.8 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#58

2-Chloroethyl Vinyl ether

Concen: 514.987 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX045072.D

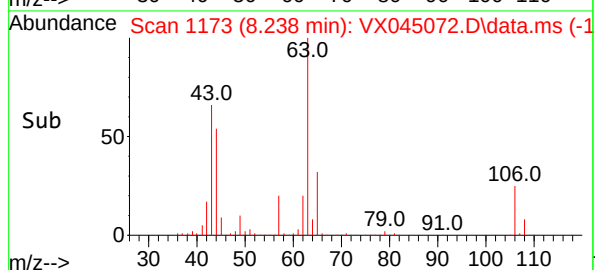
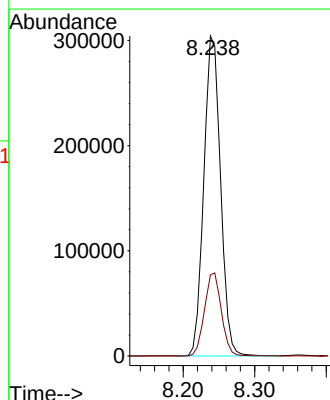
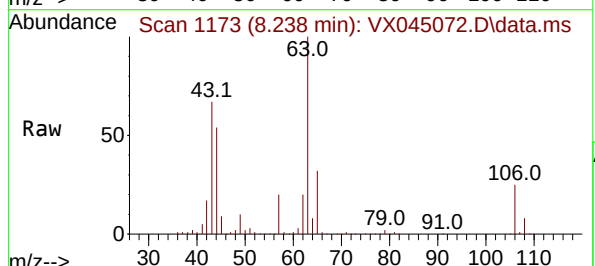
Acq: 28 Feb 2025 03:23

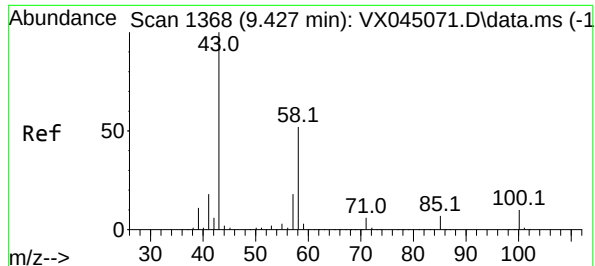
Tgt Ion: 63 Resp: 494551

Ion Ratio Lower Upper

63 100

106 26.1 21.5 32.3





#59

2-Hexanone

Concen: 572.233 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 779492

Ion Ratio Lower Upper

43 100

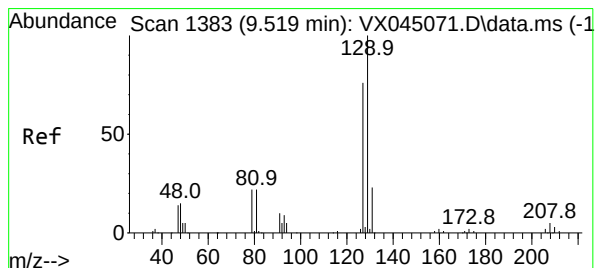
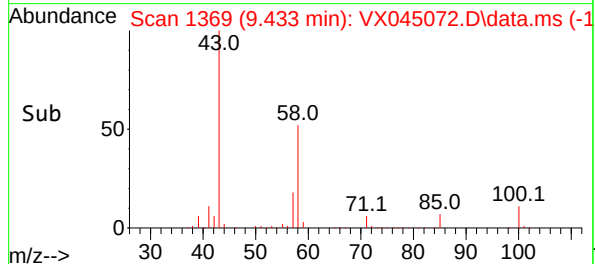
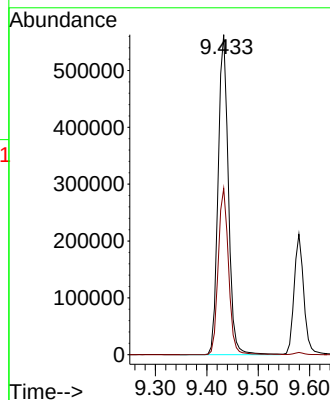
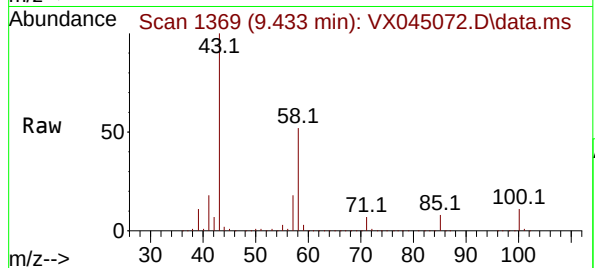
58 52.2 25.9 77.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#60

Dibromochloromethane

Concen: 106.719 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX045072.D

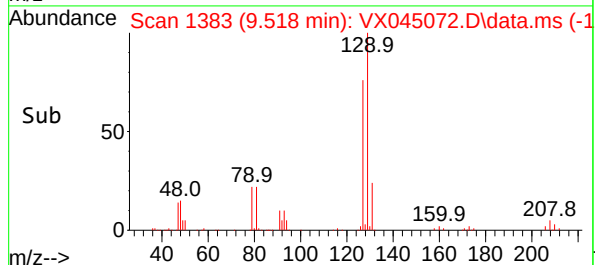
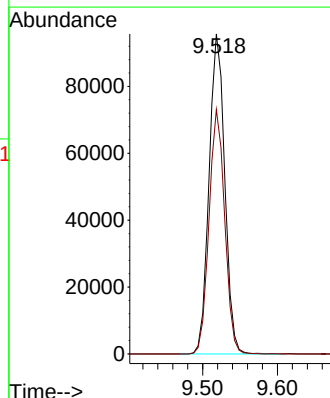
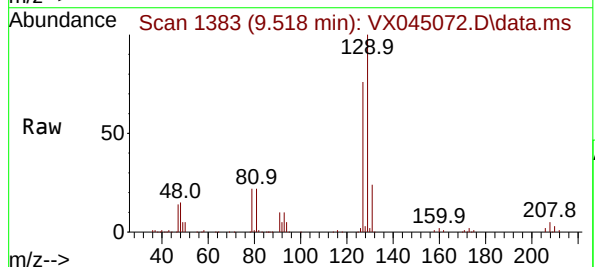
Acq: 28 Feb 2025 03:23

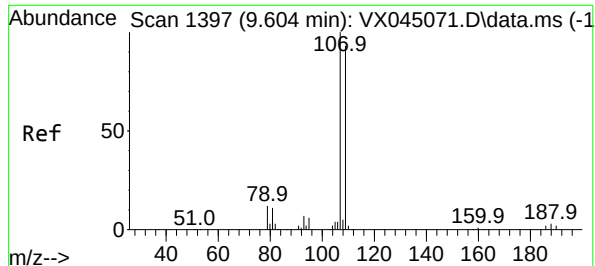
Tgt Ion:129 Resp: 139245

Ion Ratio Lower Upper

129 100

127 76.3 38.5 115.5





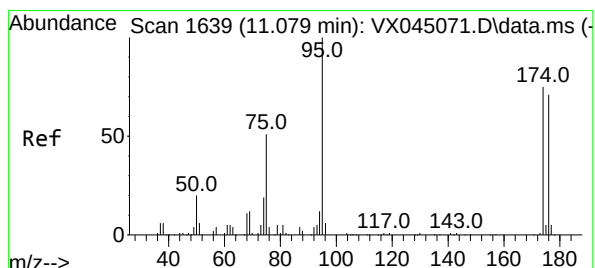
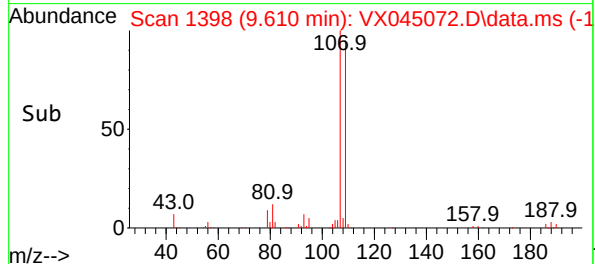
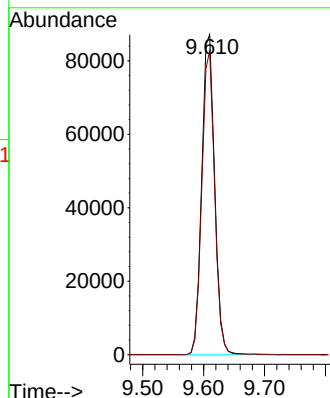
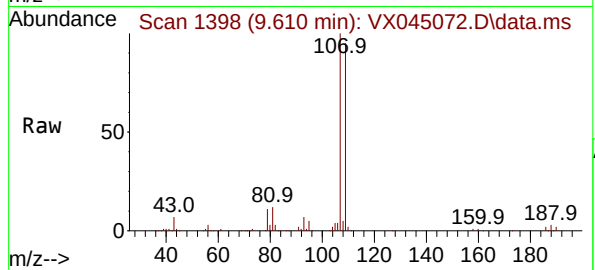
#61
1,2-Dibromoethane
Concen: 104.259 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion:107 Resp: 12861
Ion Ratio Lower Upper
107 100
109 94.3 76.1 114.1

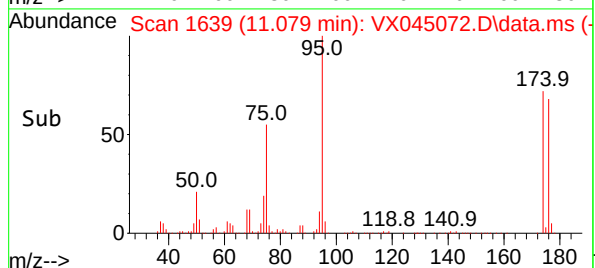
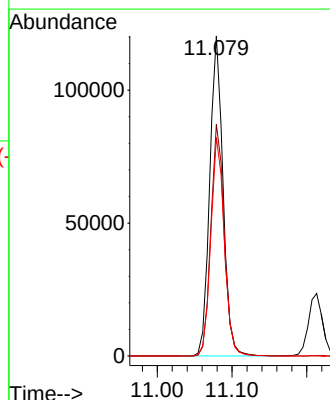
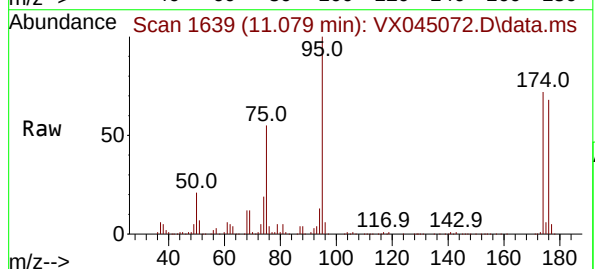
Manual Integrations
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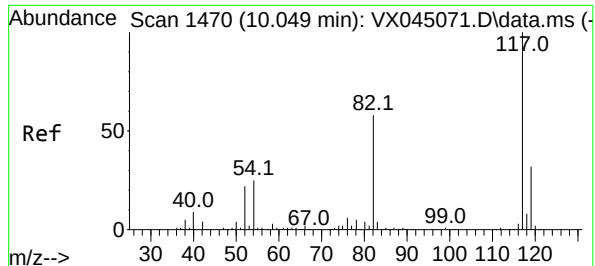
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#62
4-Bromofluorobenzene
Concen: 100.365 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

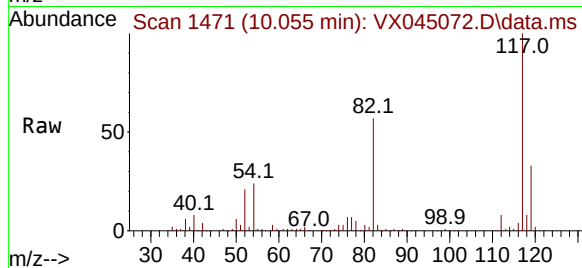
Tgt Ion: 95 Resp: 148476
Ion Ratio Lower Upper
95 100
174 73.0 0.0 148.2
176 69.2 0.0 141.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

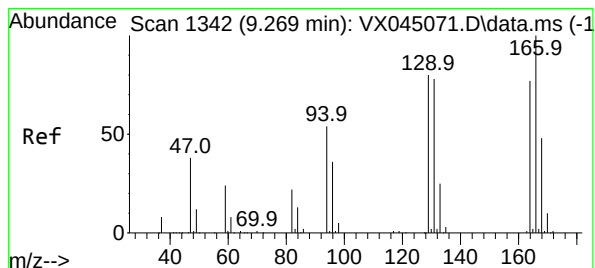
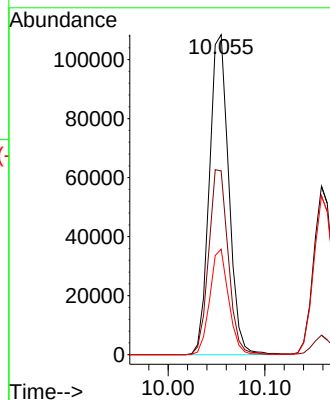
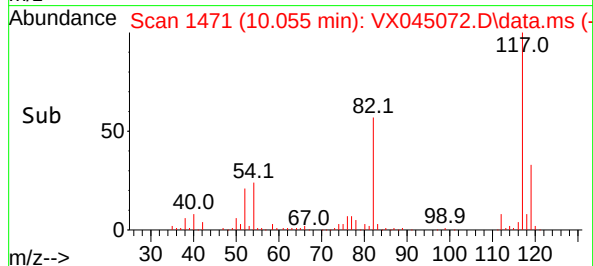
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100



Tgt Ion:117 Resp: 151179
Ion Ratio Lower Upper
117 100
82 57.5 46.3 69.5
119 33.0 25.7 38.5

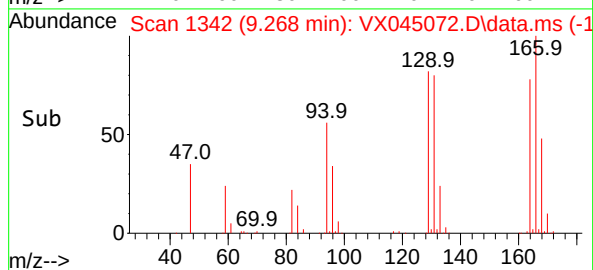
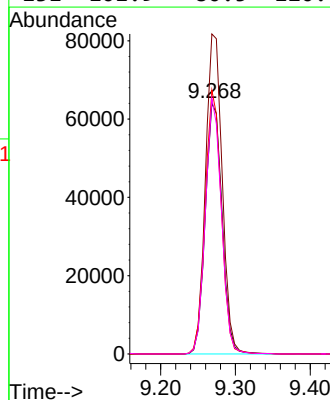
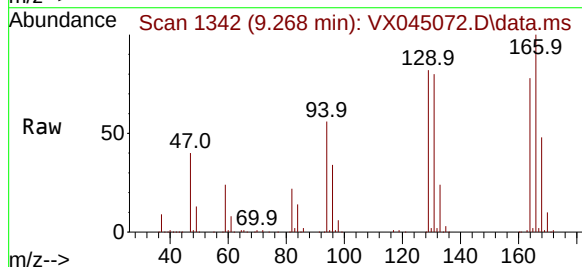
Manual Integrations
APPROVED

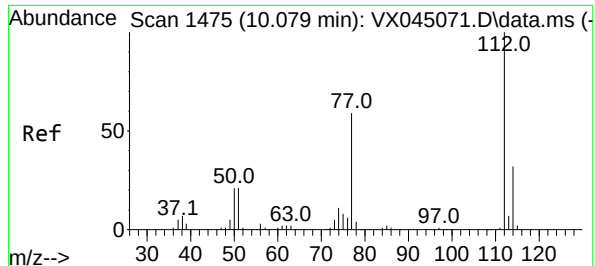
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#64
Tetrachloroethene
Concen: 103.491 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:164 Resp: 99386
Ion Ratio Lower Upper
164 100
166 127.6 103.6 155.4
129 105.2 82.7 124.1
131 101.9 80.5 120.7





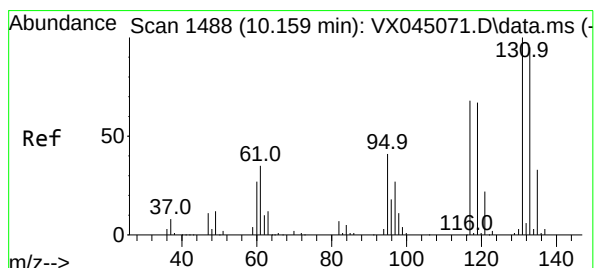
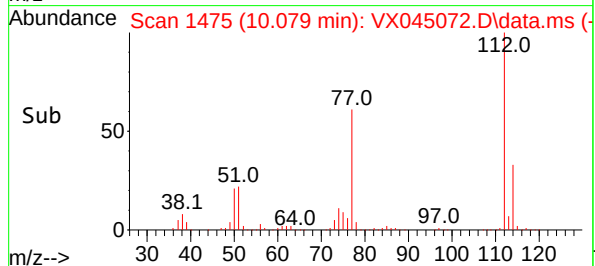
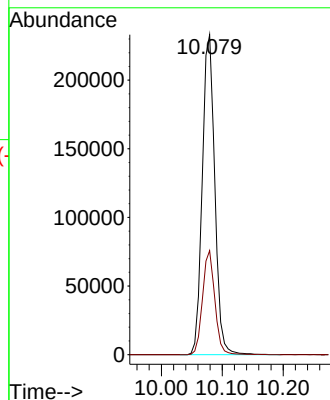
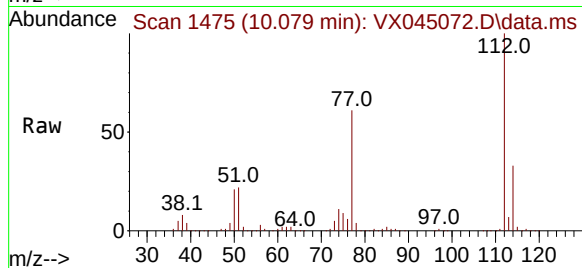
#65
Chlorobenzene
Concen: 102.456 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 33247
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0

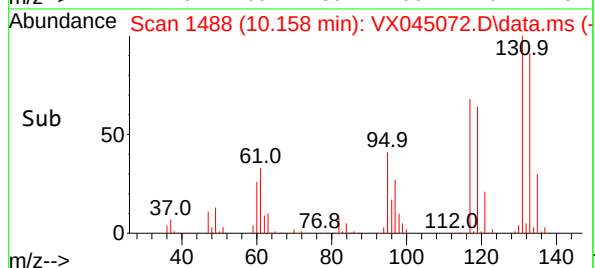
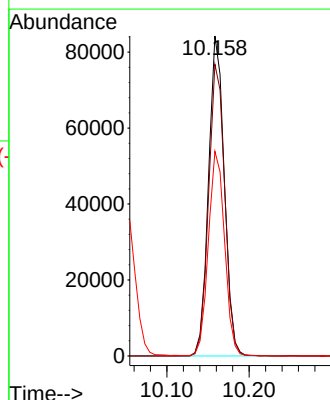
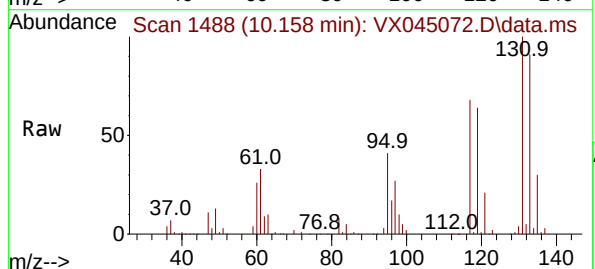
Manual Integrations
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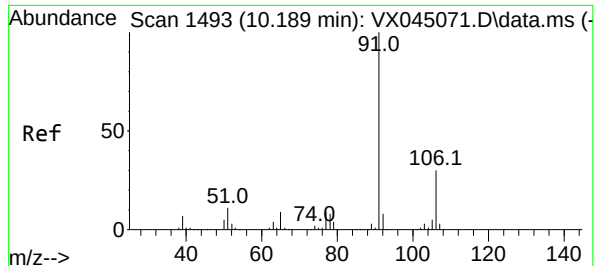
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 107.511 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:131 Resp: 112451
Ion Ratio Lower Upper
131 100
133 93.1 48.6 145.9
119 65.8 33.9 101.7





#67

Ethyl Benzene

Concen: 103.905 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 59625

Ion Ratio Lower Upper

91 100

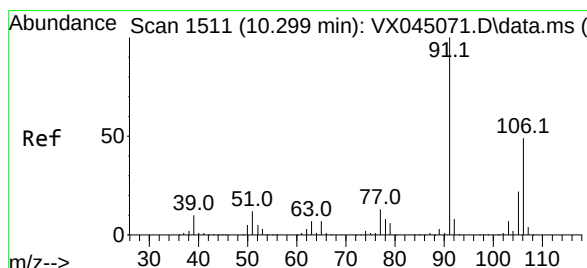
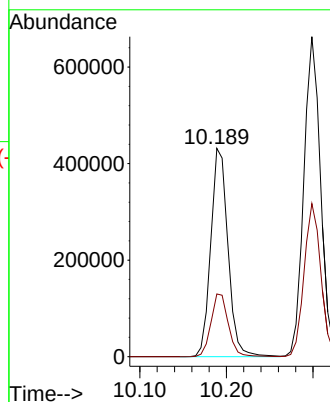
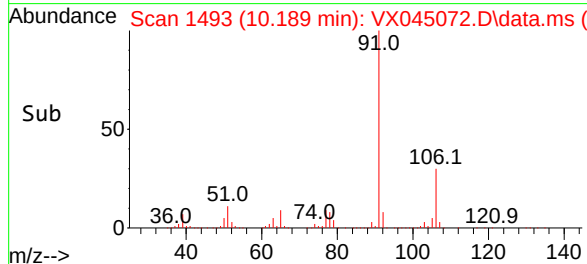
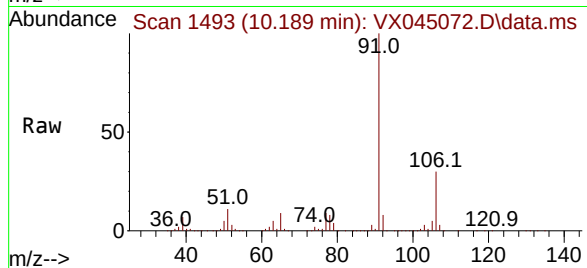
106 30.1 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#68

m/p-Xylenes

Concen: 204.507 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX045072.D

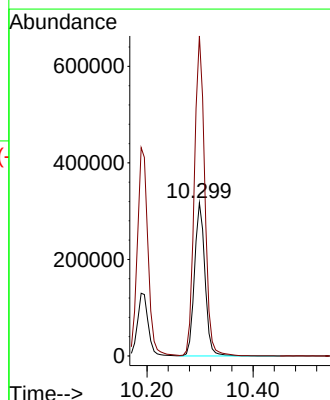
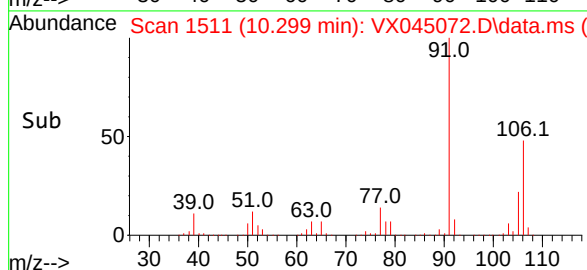
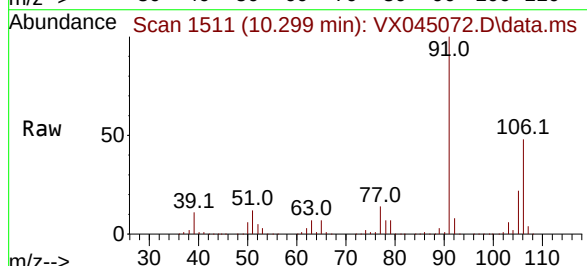
Acq: 28 Feb 2025 03:23

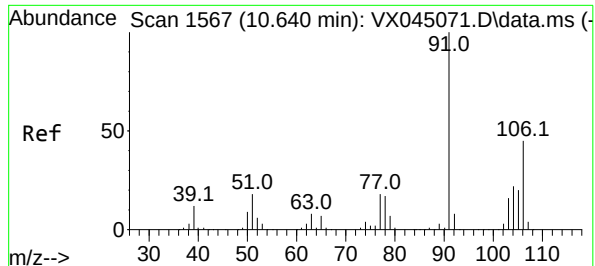
Tgt Ion:106 Resp: 432214

Ion Ratio Lower Upper

106 100

91 208.9 165.4 248.0





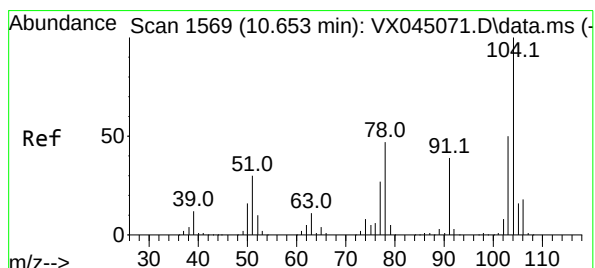
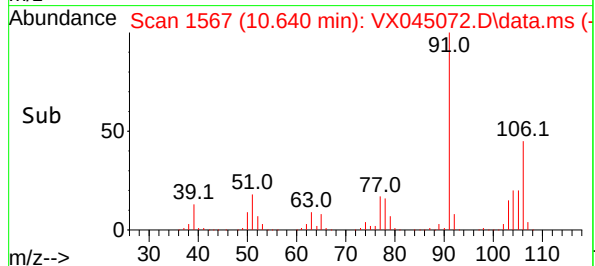
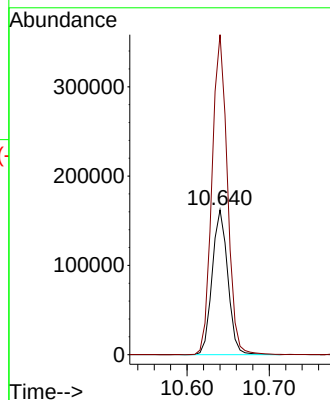
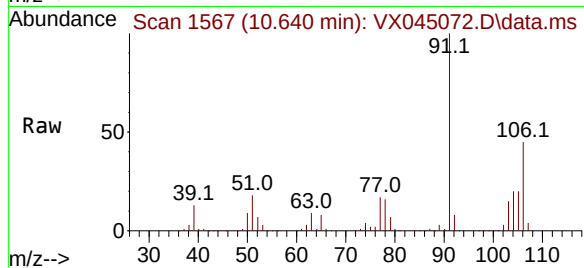
#69
o-Xylene
Concen: 100.849 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 21383
Ion Ratio Lower Upper
106 100
91 218.2 109.9 329.6

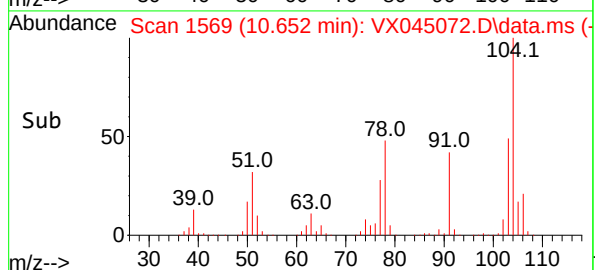
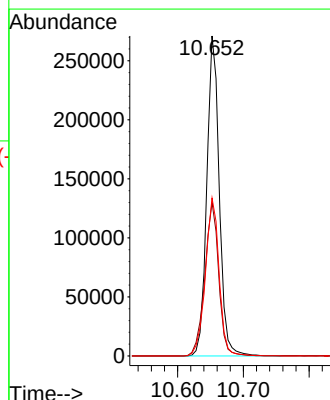
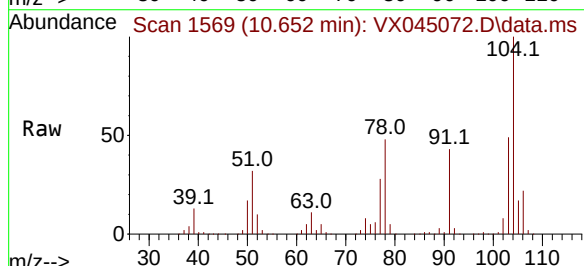
Manual Integrations
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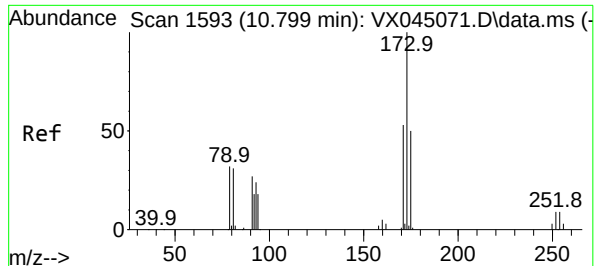
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#70
Styrene
Concen: 104.948 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

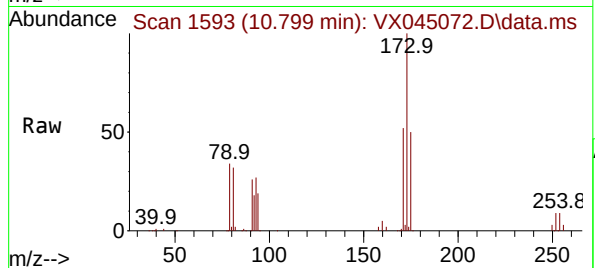
Tgt Ion:104 Resp: 357649
Ion Ratio Lower Upper
104 100
78 53.7 42.2 63.4
103 54.3 43.8 65.8





#71
Bromoform
Concen: 116.751 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

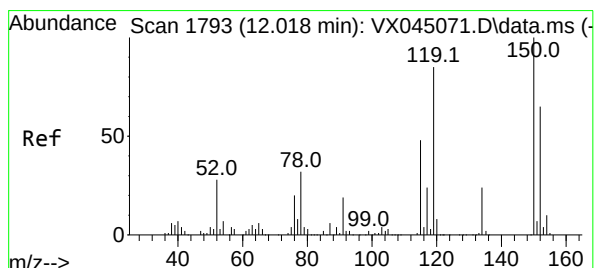
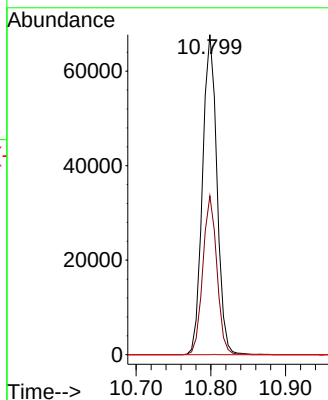
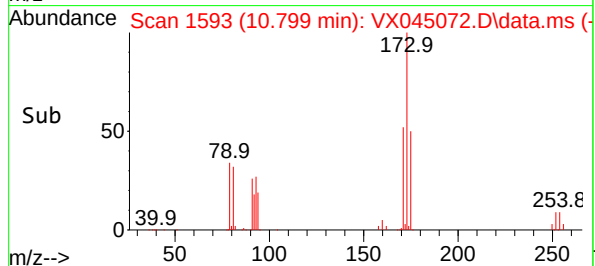
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:173 Resp: 90800
Ion Ratio Lower Upper
173 100
175 48.3 24.6 73.6
254 0.0 0.0 0.0

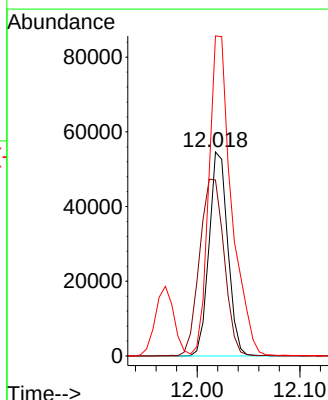
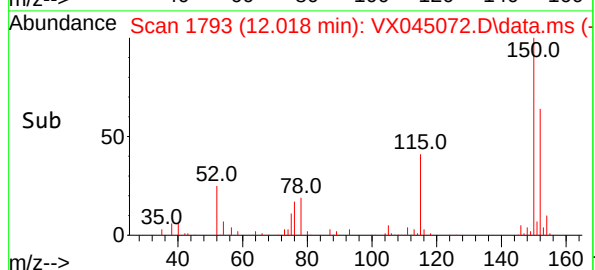
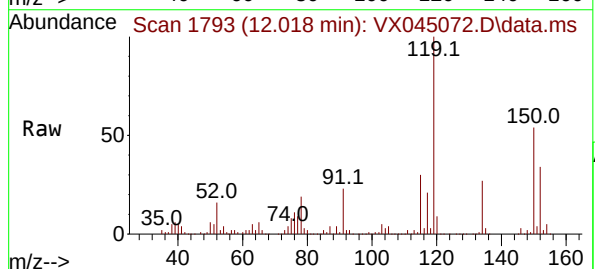
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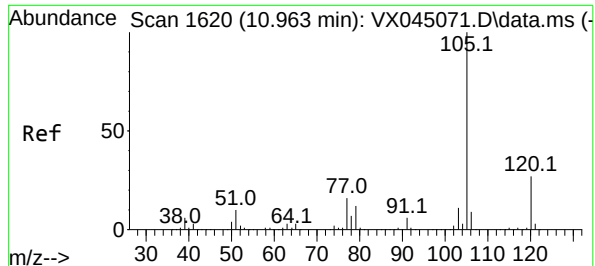
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:152 Resp: 69086
Ion Ratio Lower Upper
152 100
115 114.1 44.2 132.6
150 190.7 0.0 349.0





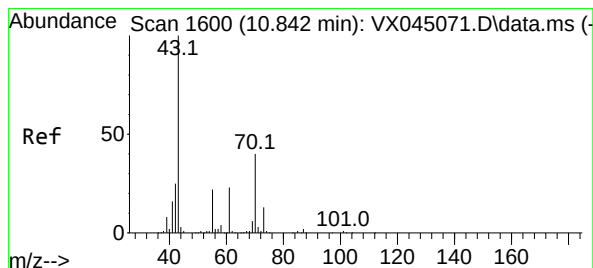
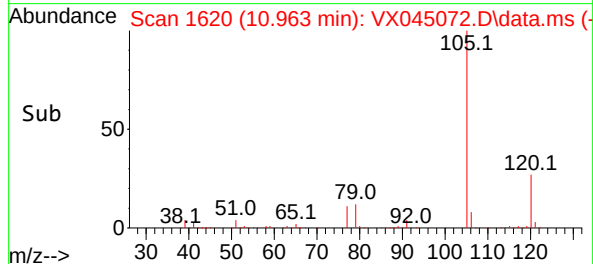
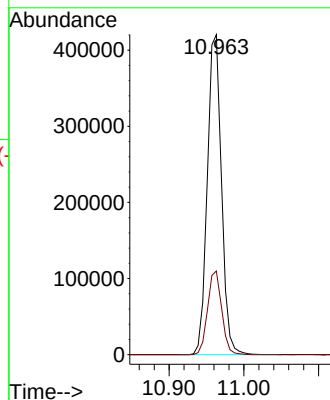
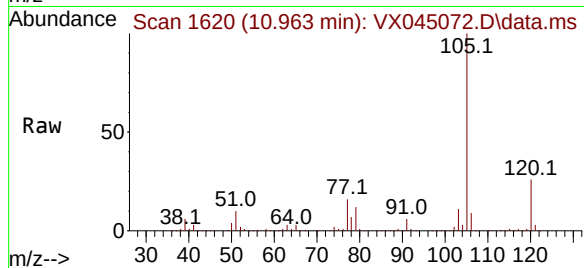
#73
Isopropylbenzene
Concen: 99.138 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 55353
Ion Ratio Lower Upper
105 100
120 26.0 13.2 39.5

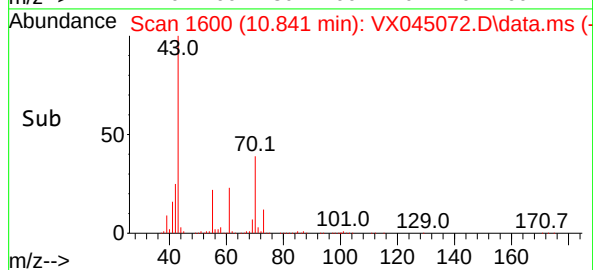
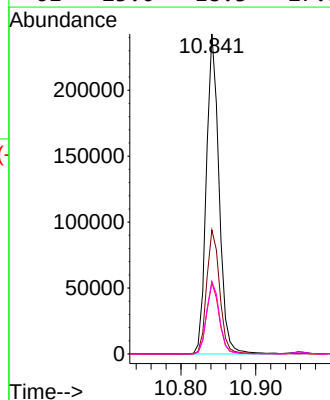
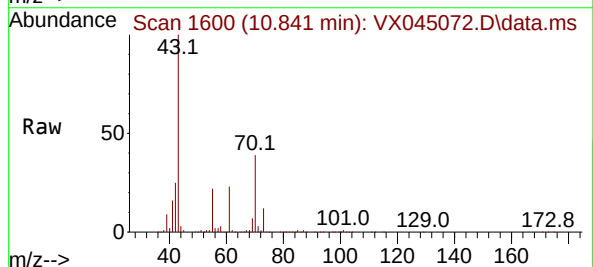
Manual Integrations
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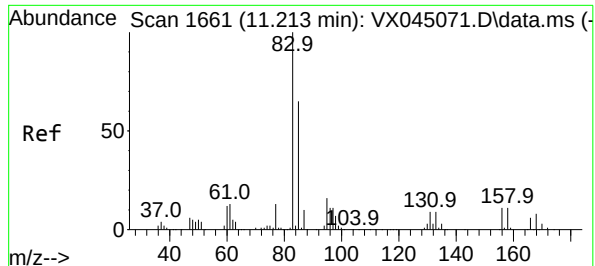
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#74
N-ethyl acetate
Concen: 113.277 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 287104
Ion Ratio Lower Upper
43 100
70 39.6 31.8 47.6
55 22.3 18.3 27.5
61 23.0 18.3 27.5





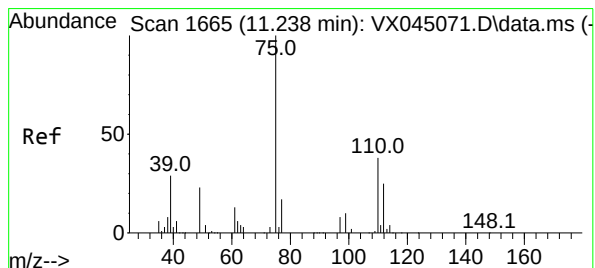
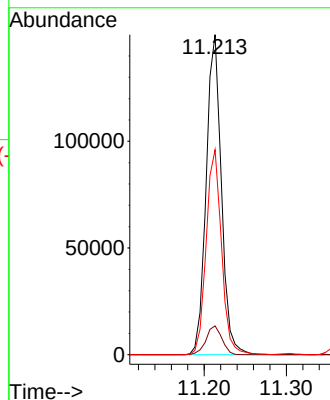
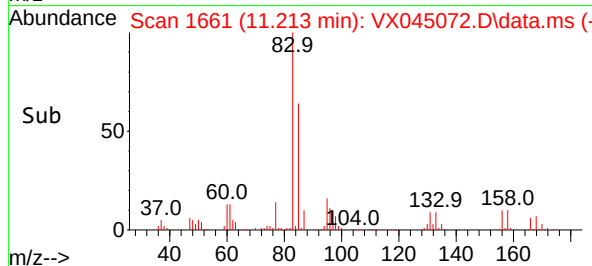
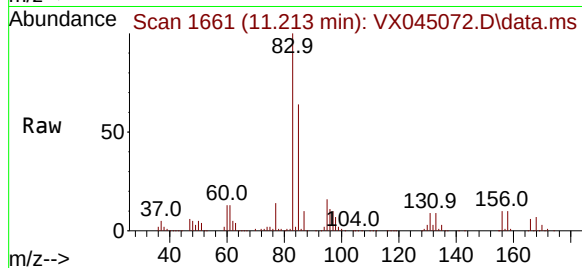
#75
1,1,2,2-Tetrachloroethane
Concen: 99.923 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion: 83 Resp: 19221
Ion Ratio Lower Upper
83 100
131 9.4 4.5 13.4
85 64.7 31.7 95.1

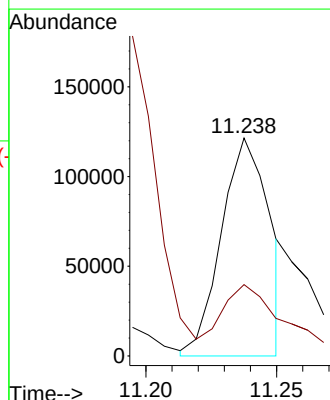
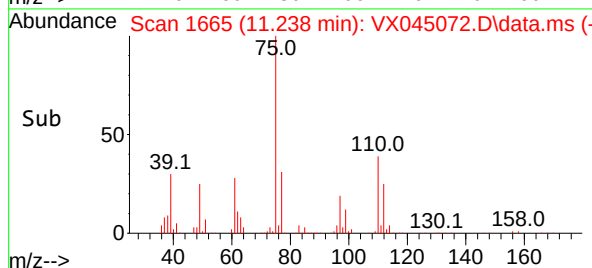
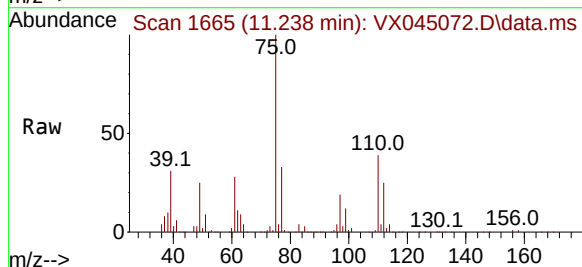
Manual Integrations
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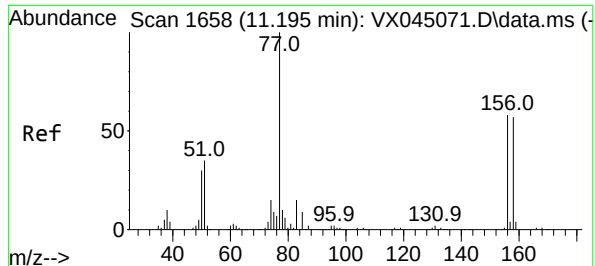
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#76
1,2,3-Trichloropropane
Concen: 101.395 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

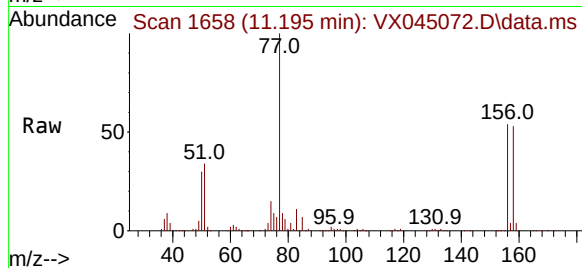
Tgt Ion: 75 Resp: 156259
Ion Ratio Lower Upper
75 100
77 42.7 20.7 62.1





#77
Bromobenzene
Concen: 99.175 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

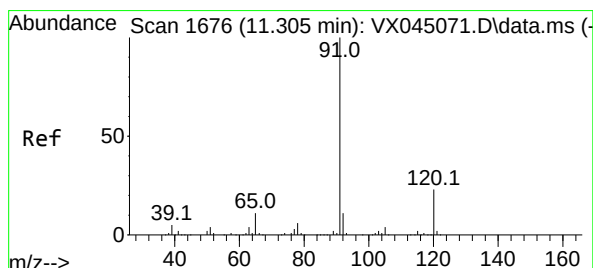
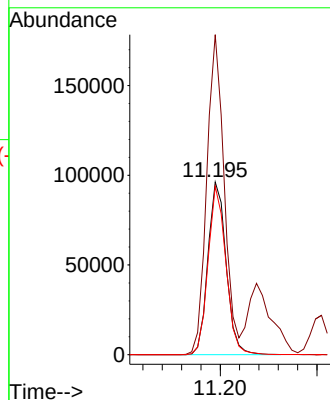
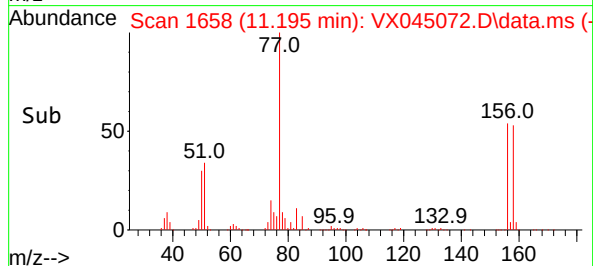
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:156 Resp: 125700
Ion Ratio Lower Upper
156 100
77 177.3 85.8 257.4
158 95.9 48.4 145.2

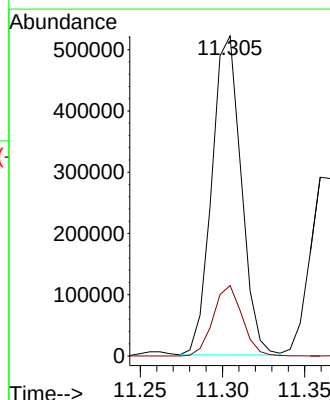
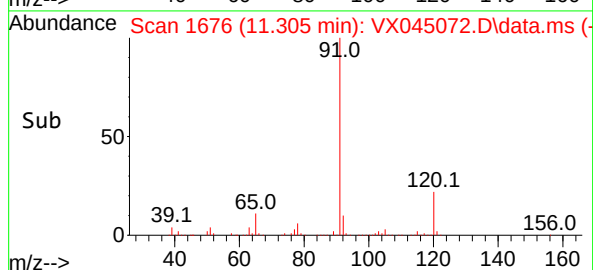
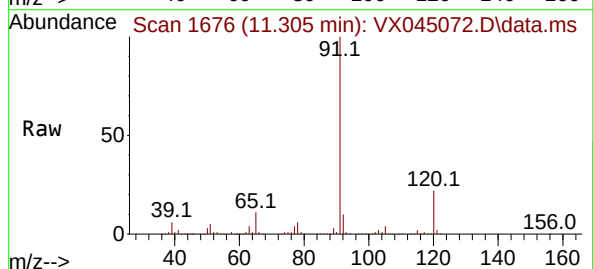
Manual Integrations
APPROVED

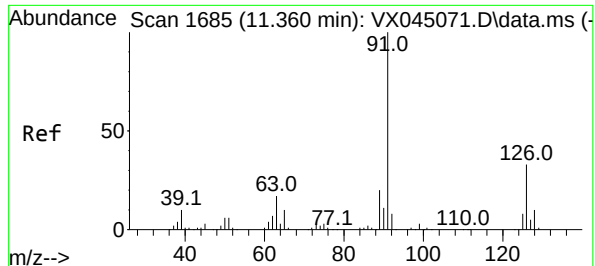
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#78
n-propylbenzene
Concen: 100.758 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 648835
Ion Ratio Lower Upper
91 100
120 21.8 11.2 33.6





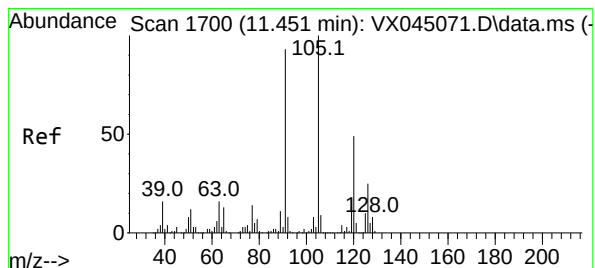
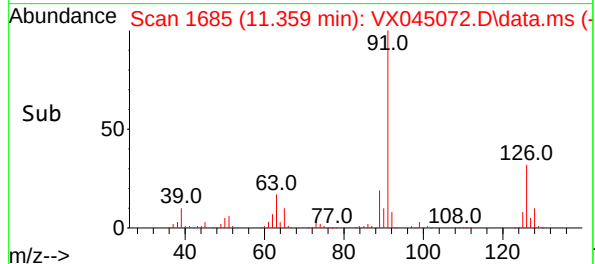
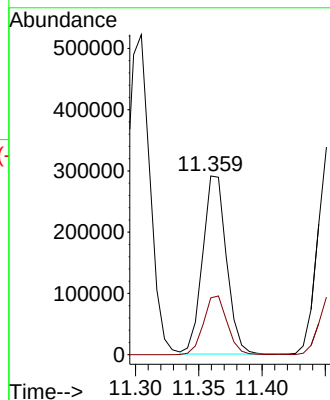
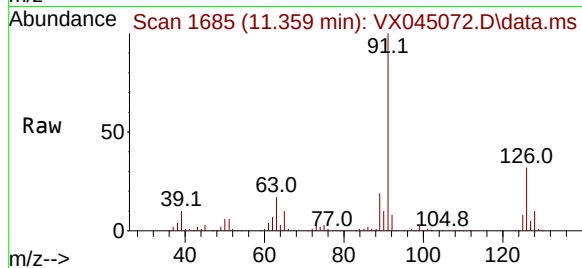
#79
2-Chlorotoluene
Concen: 96.825 ug/l
RT: 11.359 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 38270
Ion Ratio Lower Upper
91 100
126 32.7 16.4 49.4

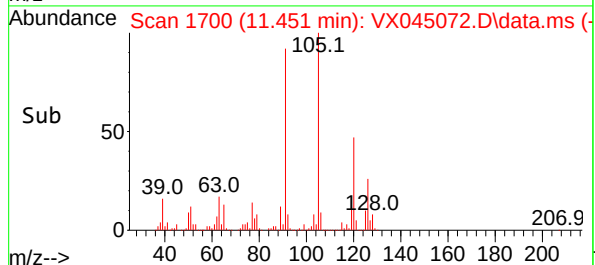
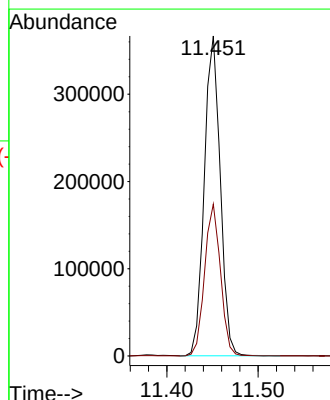
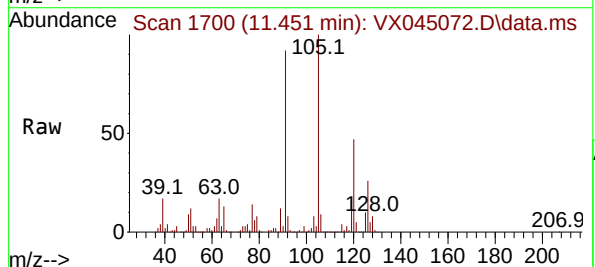
Manual Integrations
APPROVED

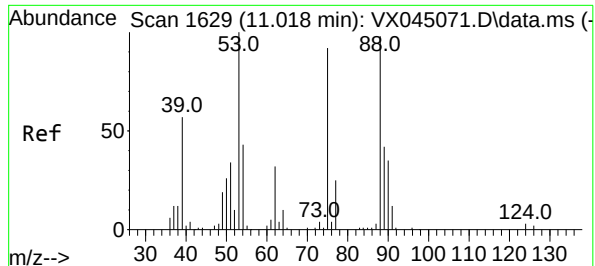
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#80
1,3,5-Trimethylbenzene
Concen: 98.356 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 445466
Ion Ratio Lower Upper
105 100
120 47.1 24.1 72.2





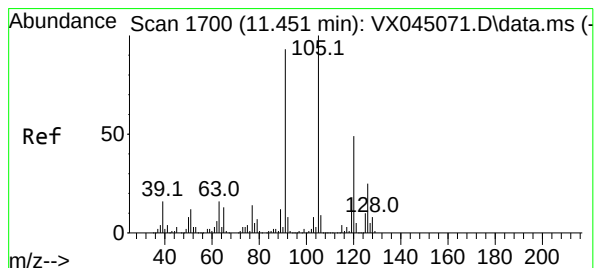
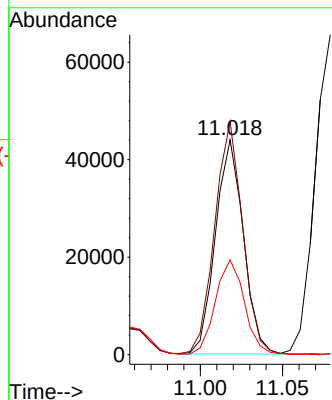
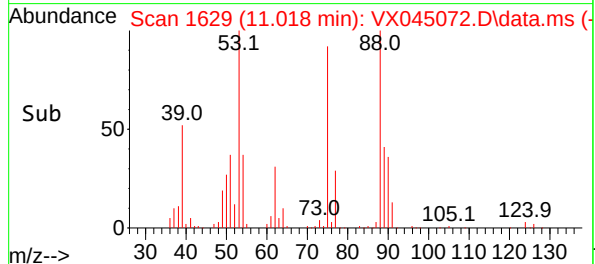
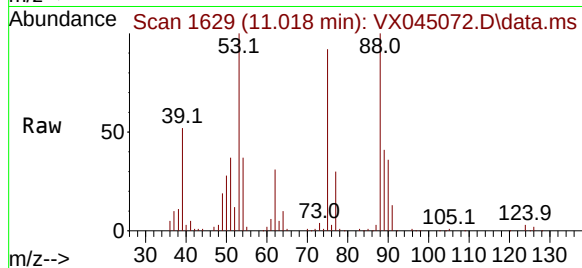
#81
trans-1,4-Dichloro-2-butene
Concen: 91.460 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 5197
Ion Ratio Lower Upper
75 100
53 109.9 88.5 132.7
89 45.7 36.2 54.4

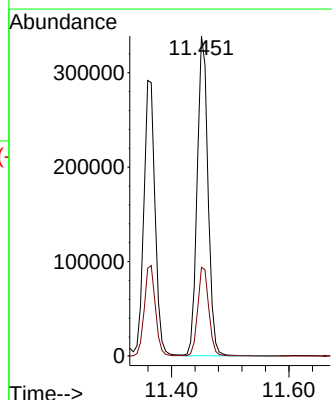
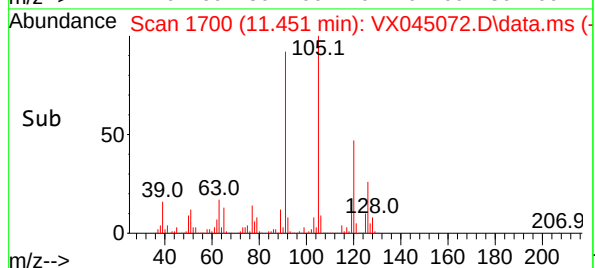
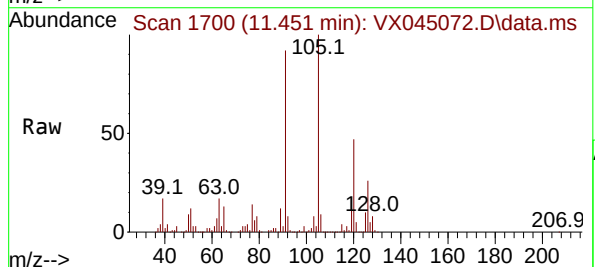
Manual Integrations
APPROVED

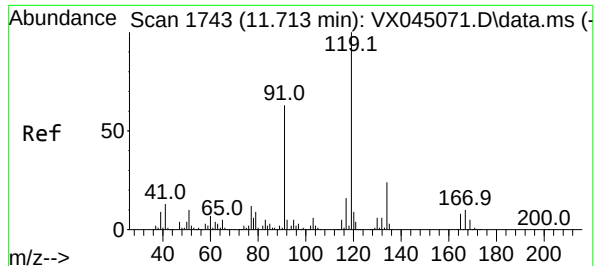
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#82
4-Chlorotoluene
Concen: 99.168 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

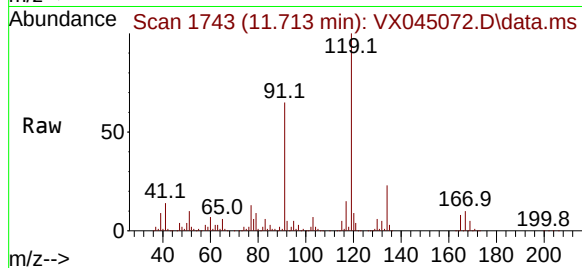
Tgt Ion: 91 Resp: 433881
Ion Ratio Lower Upper
91 100
126 28.2 14.1 42.4





#83
tert-Butylbenzene
Concen: 99.288 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

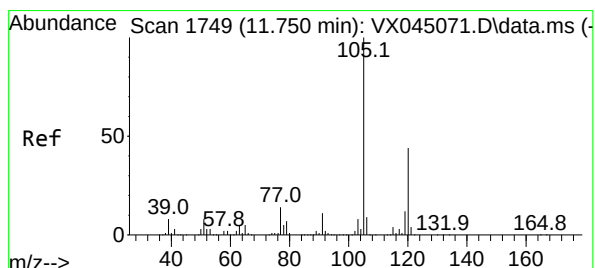
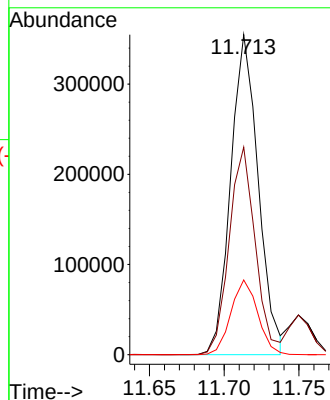
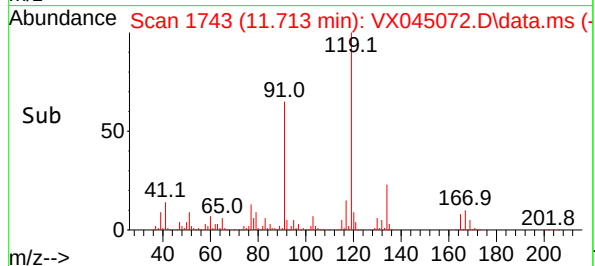
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



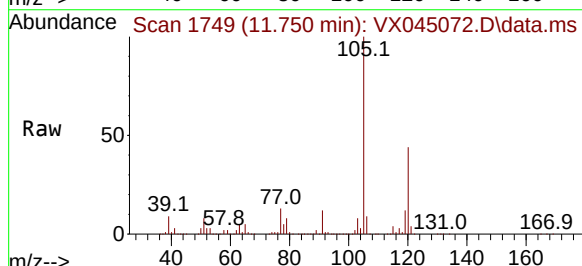
Tgt Ion:119 Resp: 454859
Ion Ratio Lower Upper
119 100
91 61.7 30.7 92.1
134 22.8 11.7 35.0

Manual Integrations
APPROVED

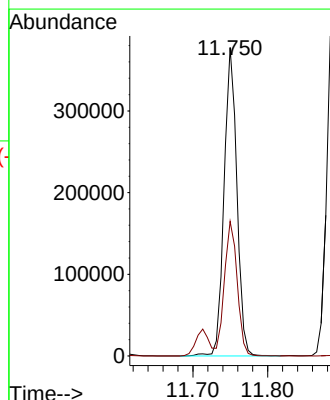
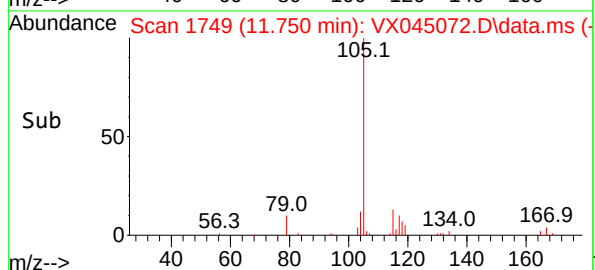
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

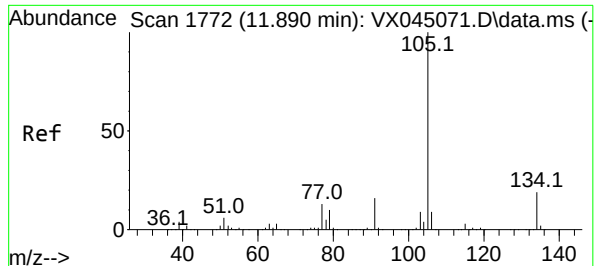


#84
1,2,4-Trimethylbenzene
Concen: 100.926 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23



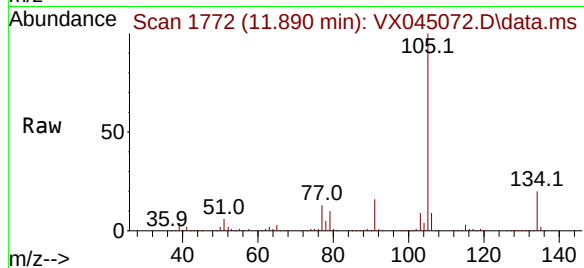
Tgt Ion:105 Resp: 450108
Ion Ratio Lower Upper
105 100
120 43.4 22.1 66.1





#85
sec-Butylbenzene
Concen: 100.517 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

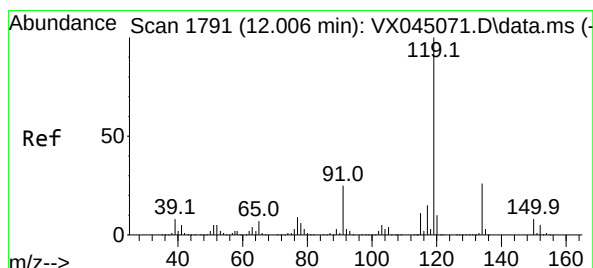
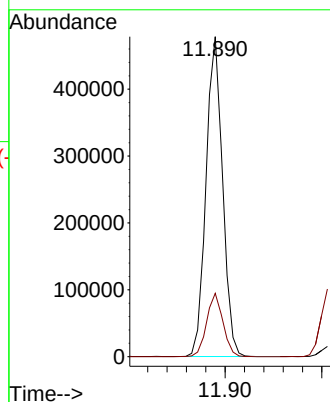
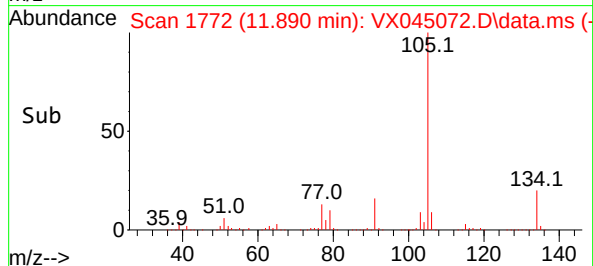
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



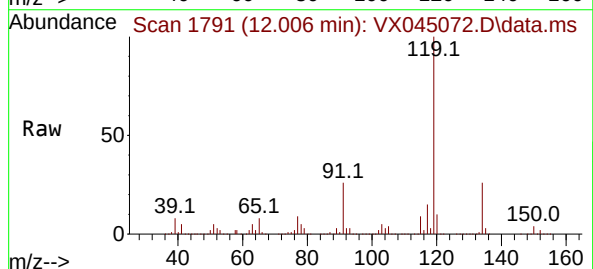
Tgt Ion:105 Resp: 570000
Ion Ratio Lower Upper
105 100
134 19.6 9.8 29.4

Manual Integrations
APPROVED

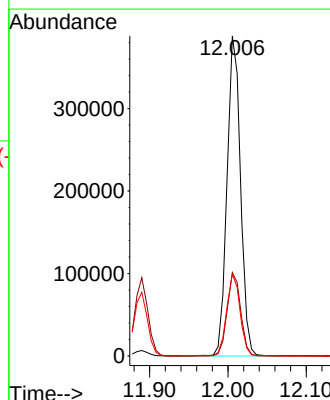
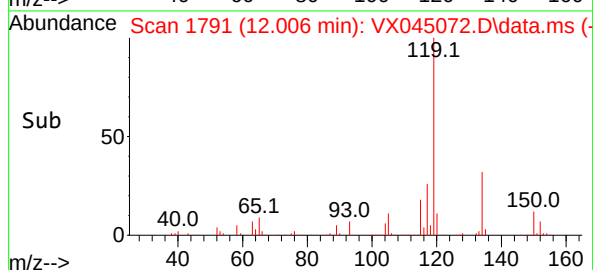
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

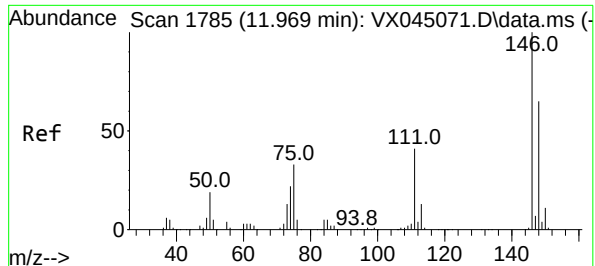


#86
p-Isopropyltoluene
Concen: 102.252 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23



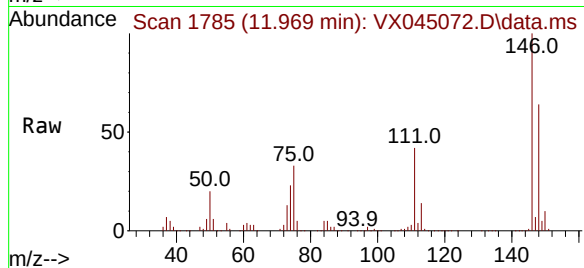
Tgt Ion:119 Resp: 465512
Ion Ratio Lower Upper
119 100
134 26.0 12.9 38.6
91 25.3 12.7 38.0





#87
1,3-Dichlorobenzene
Concen: 99.903 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

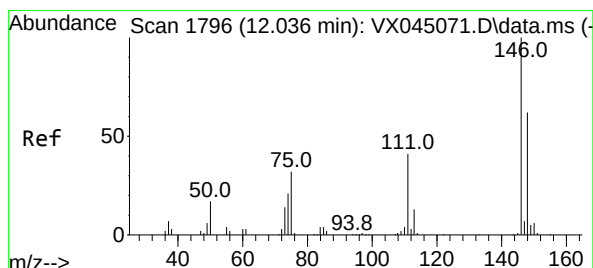
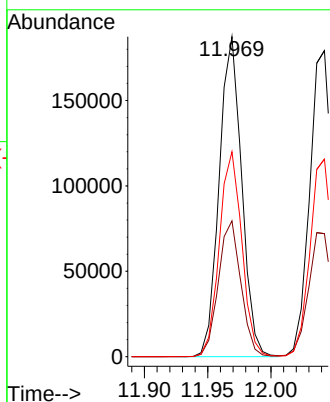
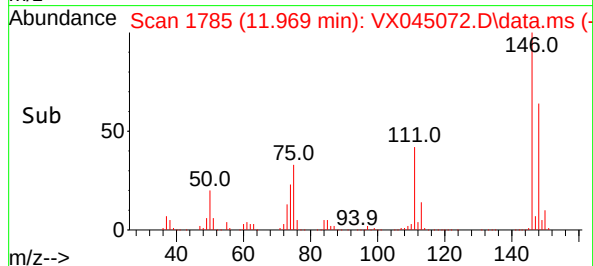
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



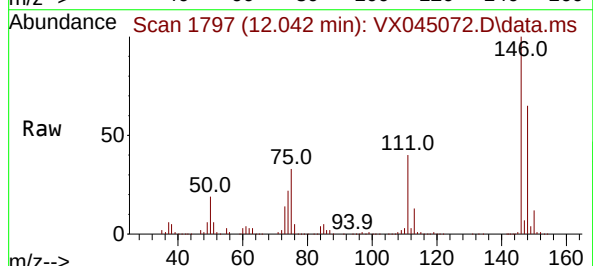
Tgt Ion:146 Resp: 231440
Ion Ratio Lower Upper
146 100
111 42.6 21.1 63.4
148 64.1 31.9 95.7

Manual Integrations
APPROVED

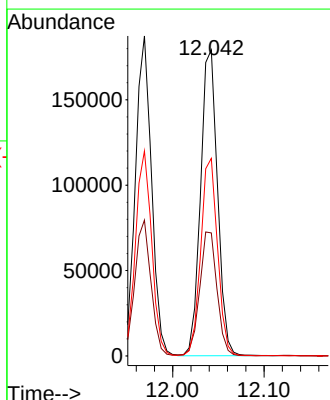
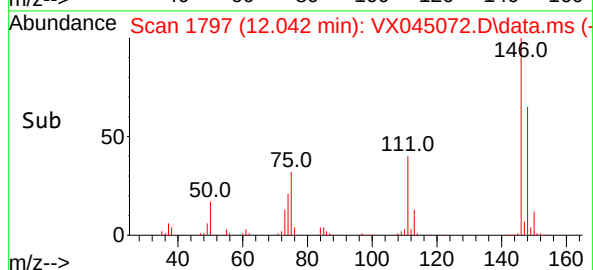
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

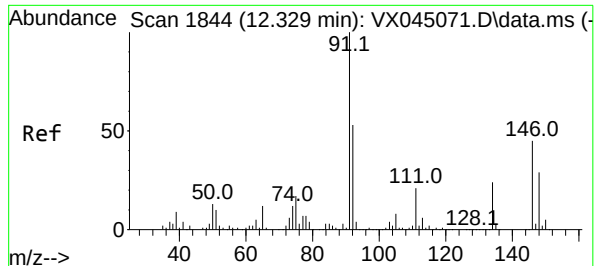


#88
1,4-Dichlorobenzene
Concen: 98.355 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23



Tgt Ion:146 Resp: 230663
Ion Ratio Lower Upper
146 100
111 41.5 20.2 60.5
148 63.9 31.9 95.9





#89

n-Butylbenzene

Concen: 107.000 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 428209

Ion Ratio Lower Upper

91 100

92 54.4 26.7 80.0

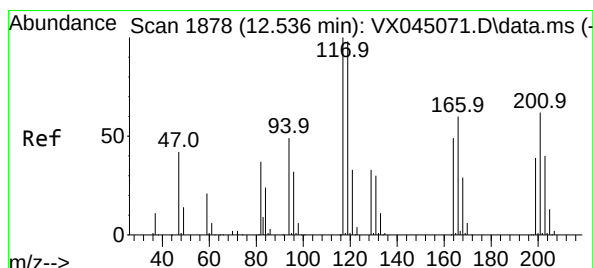
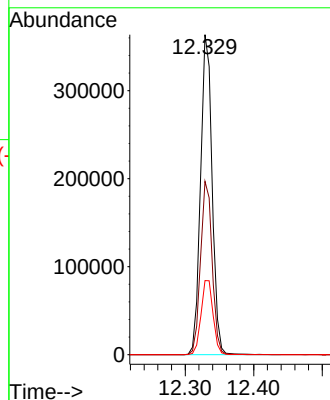
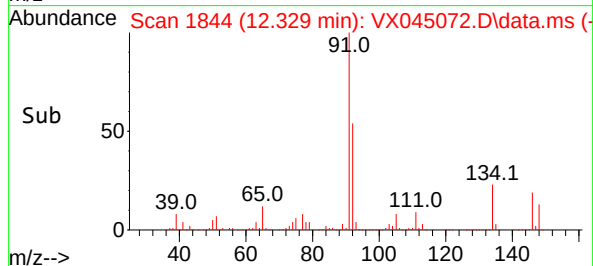
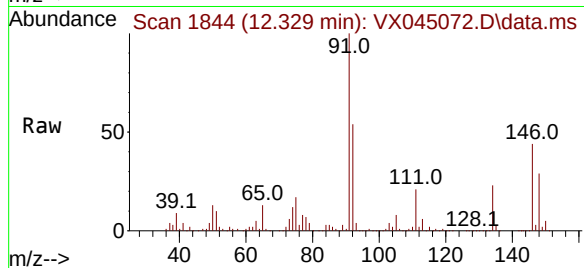
134 24.2 12.2 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#90

Hexachloroethane

Concen: 102.980 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX045072.D

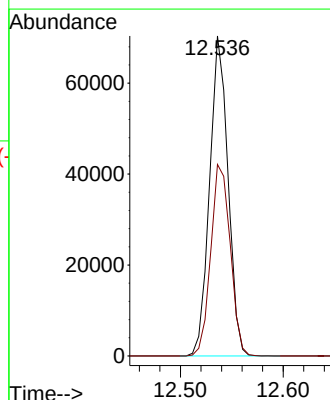
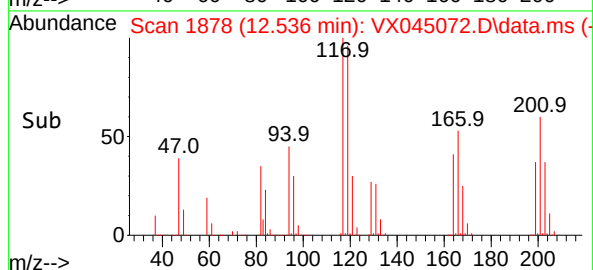
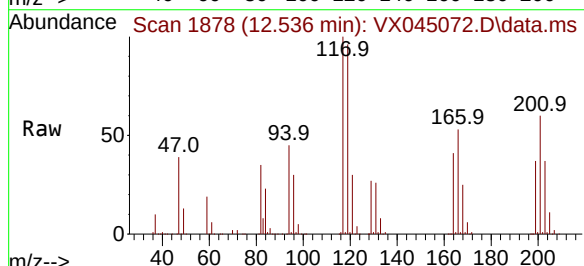
Acq: 28 Feb 2025 03:23

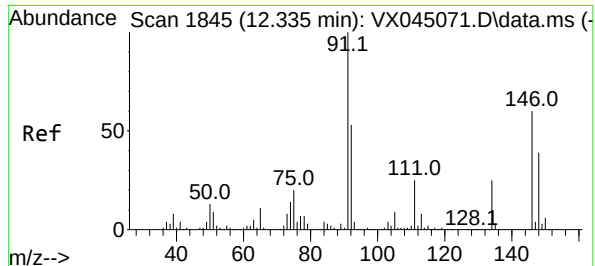
Tgt Ion:117 Resp: 87448

Ion Ratio Lower Upper

117 100

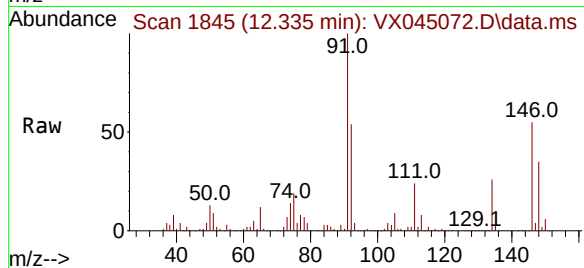
201 63.4 31.9 95.9





#91
1,2-Dichlorobenzene
Concen: 102.254 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

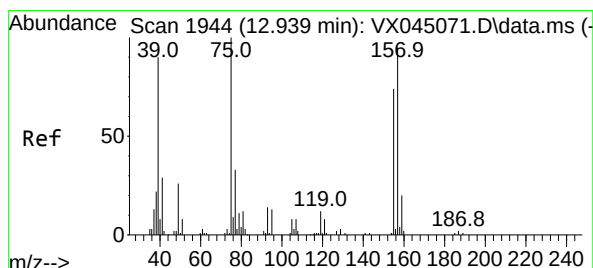
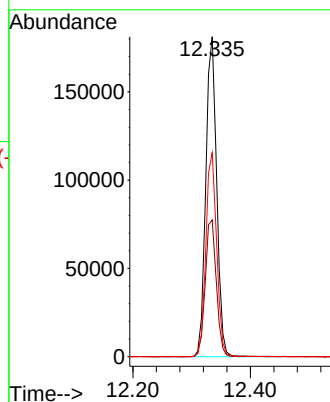
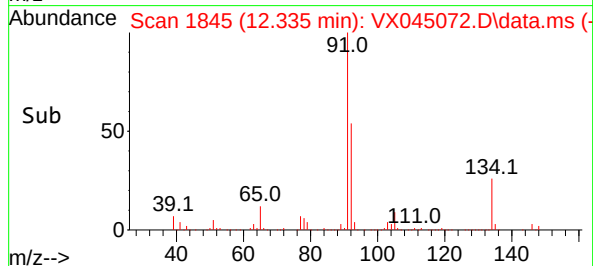
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



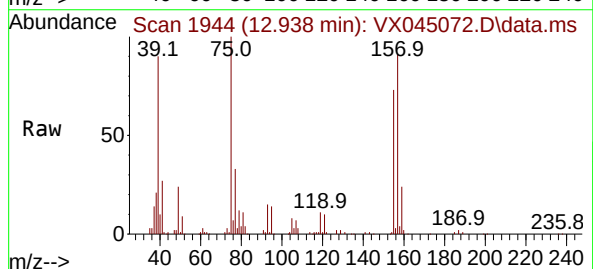
Tgt Ion:146 Resp: 233125
Ion Ratio Lower Upper
146 100
111 43.7 21.6 65.0
148 63.2 31.9 95.9

Manual Integrations
APPROVED

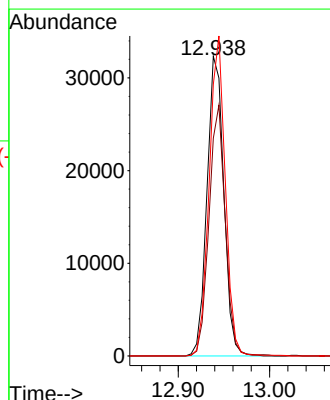
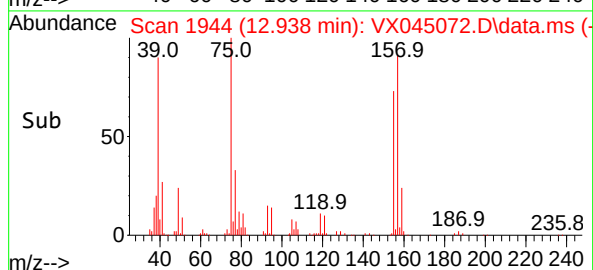
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

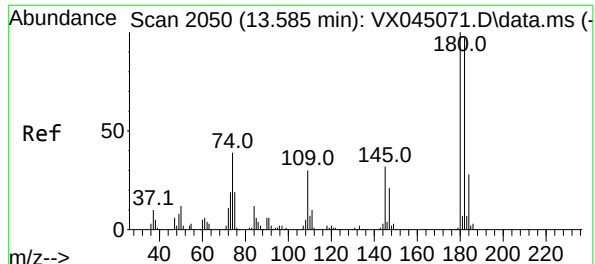


#92
1,2-Dibromo-3-Chloropropane
Concen: 116.296 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23



Tgt Ion: 75 Resp: 41402
Ion Ratio Lower Upper
75 100
155 80.6 39.6 118.7
157 101.8 51.1 153.4





#93

1,2,4-Trichlorobenzene

Concen: 107.648 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:180 Resp: 148368

Ion Ratio Lower Upper

180 100

182 95.1 47.3 141.9

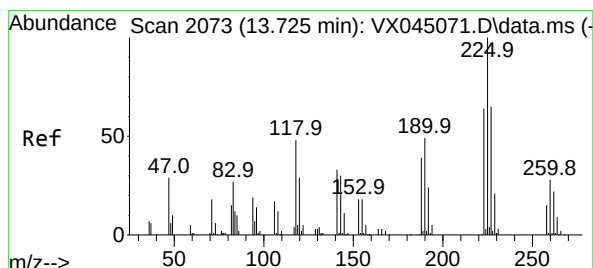
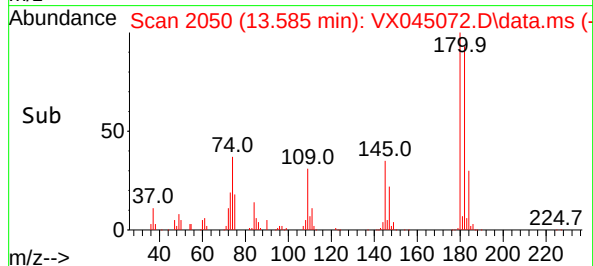
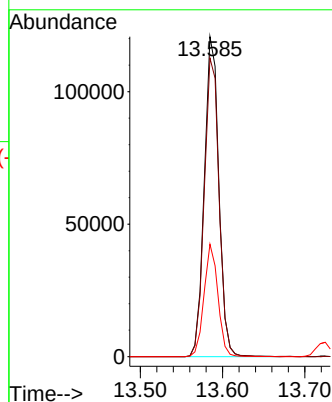
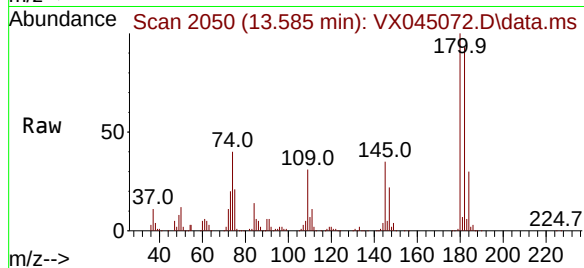
145 33.6 16.3 48.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#94

Hexachlorobutadiene

Concen: 102.019 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

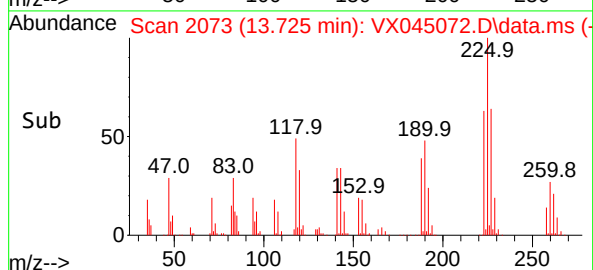
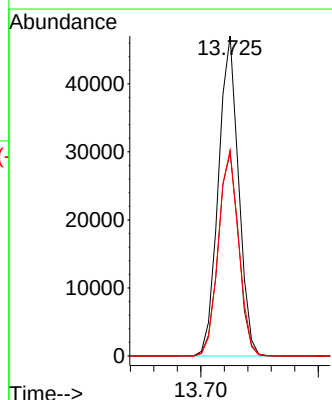
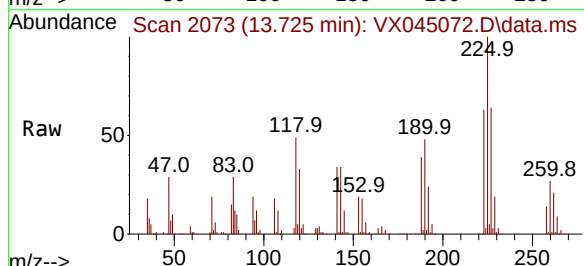
Tgt Ion:225 Resp: 56065

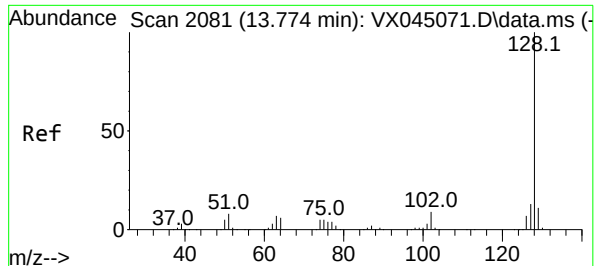
Ion Ratio Lower Upper

225 100

223 64.1 31.9 95.7

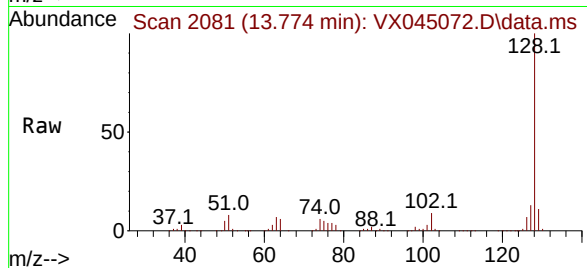
227 64.4 31.4 94.0





#95
Naphthalene
Concen: 112.593 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

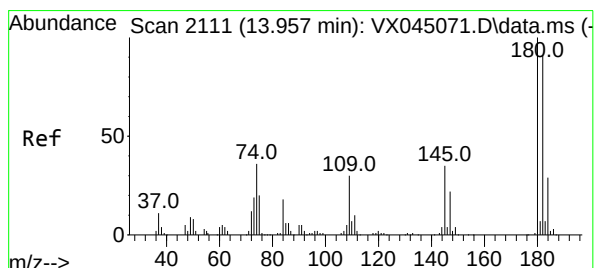
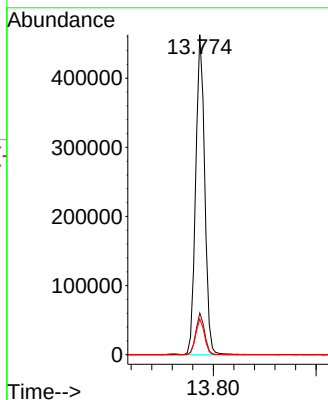
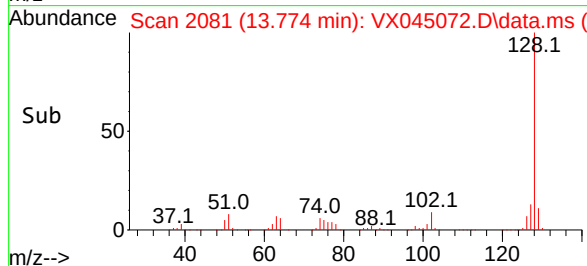
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:128 Resp: 565250
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 10.9 8.7 13.1

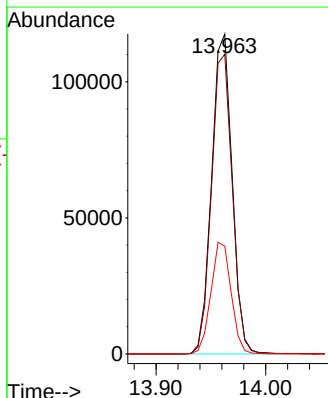
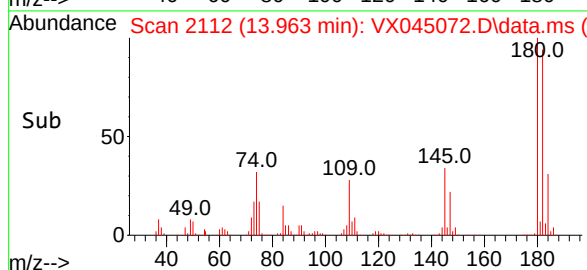
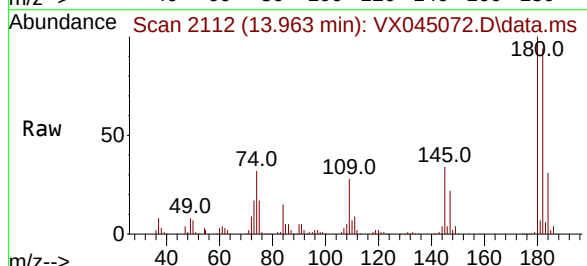
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 109.554 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:180 Resp: 152970
Ion Ratio Lower Upper
180 100
182 95.2 47.5 142.6
145 34.5 17.0 50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045073.D
 Acq On : 28 Feb 2025 03:47
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Feb 28 05:36:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 05:28:02 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	95754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	176991	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	150547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67685	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	234624	165.865	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 331.740%#			
35) Dibromofluoromethane	5.379	113	179722	155.359	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 310.720%#			
50) Toluene-d8	8.647	98	638979	147.538	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 295.080%#			
62) 4-Bromofluorobenzene	11.079	95	223346	154.420	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 308.840%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	174297	132.067	ug/l	96
3) Chloromethane	1.307	50	213704	133.072	ug/l	97
4) Vinyl Chloride	1.374	62	217672	138.774	ug/l	97
5) Bromomethane	1.593	94	83547	170.379	ug/l	98
6) Chloroethane	1.660	64	82101	137.509	ug/l	95
7) Trichlorofluoromethane	1.861	101	272235	135.494	ug/l	98
8) Diethyl Ether	2.136	74	110005	150.660	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.313	101	161825	134.877	ug/l	99
10) Methyl Iodide	2.441	142	212355	138.059	ug/l	99
11) Tert butyl alcohol	3.014	59	195415	754.176	ug/l	97
12) 1,1-Dichloroethene	2.300	96	173271	140.655	ug/l	96
13) Acrolein	2.239	56	263999	940.846	ug/l	98
14) Allyl chloride	2.654	41	308018	139.077	ug/l	98
15) Acrylonitrile	3.069	53	573208	813.990	ug/l	99
16) Acetone	2.392	43	511828	879.387	ug/l	100
17) Carbon Disulfide	2.495	76	487720	145.511	ug/l	98
18) Methyl Acetate	2.709	43	258303	147.347	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	619778	157.358	ug/l	99
20) Methylene Chloride	2.782	84	202913	147.198	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	176924	146.027	ug/l	98
22) Diisopropyl ether	3.764	45	662828	156.526	ug/l	98
23) Vinyl Acetate	3.721	43	2943150	846.586	ug/l	99
24) 1,1-Dichloroethane	3.605	63	363081	153.453	ug/l	99
25) 2-Butanone	4.568	43	818497	872.239	ug/l	99
26) 2,2-Dichloropropane	4.465	77	179826	102.231	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	220826	151.205	ug/l	98
28) Bromochloromethane	4.891	49	171273	150.105	ug/l	100
29) Tetrahydrofuran	5.007	42	528574	850.174	ug/l	99
30) Chloroform	5.093	83	351934	152.067	ug/l	97
31) Cyclohexane	5.458	56	302215	139.174	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	294434	151.120	ug/l	100
36) 1,1-Dichloropropene	5.684	75	241405	145.112	ug/l	100
37) Ethyl Acetate	4.721	43	316250	167.067	ug/l	99
38) Carbon Tetrachloride	5.672	117	245917	150.363	ug/l	99
39) Methylcyclohexane	7.373	83	292216	137.544	ug/l	97
40) Benzene	6.031	78	755854	145.368	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045073.D
 Acq On : 28 Feb 2025 03:47
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Feb 28 05:36:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 05:28:02 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	175023	173.088	ug/l	99
42) 1,2-Dichloroethane	6.080	62	276129	163.872	ug/l	99
43) Isopropyl Acetate	6.342	43	511643	169.804	ug/l	99
44) Trichloroethene	7.123	130	178483	150.181	ug/l	97
45) 1,2-Dichloropropane	7.428	63	198135	153.334	ug/l	100
46) Dibromomethane	7.580	93	142119	157.443	ug/l	99
47) Bromodichloromethane	7.818	83	280255	160.492	ug/l	99
48) Methyl methacrylate	7.696	41	252275	176.370	ug/l	99
49) 1,4-Dioxane	7.665	88	96268	3166.423	ug/l	99
51) 4-Methyl-2-Pentanone	8.580	43	1536157	832.051	ug/l	99
52) Toluene	8.714	92	448664	145.321	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	266444	154.373	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	293521	152.117	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	178217	149.046	ug/l	98
56) Ethyl methacrylate	9.116	69	310992	162.631	ug/l	98
57) 1,3-Dichloropropane	9.305	76	312196	149.699	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	717328	764.019	ug/l	99
59) 2-Hexanone	9.433	43	1156653	868.492	ug/l	100
60) Dibromochloromethane	9.519	129	201906	158.276	ug/l	99
61) 1,2-Dibromoethane	9.610	107	185828	154.074	ug/l	100
64) Tetrachloroethene	9.269	164	139536	145.906	ug/l	94
65) Chlorobenzene	10.079	112	472117	146.096	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	163370	156.845	ug/l	97
67) Ethyl Benzene	10.189	91	852575	149.191	ug/l	99
68) m/p-Xylenes	10.299	106	607523	288.655	ug/l	97
69) o-Xylene	10.640	106	302495	143.259	ug/l	99
70) Styrene	10.653	104	512379	150.979	ug/l	99
71) Bromoform	10.799	173	135388	174.808	ug/l #	99
73) Isopropylbenzene	10.963	105	780706	142.719	ug/l	99
74) N-amyl acetate	10.842	43	429686	173.042	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	283558	150.458	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	229435m	151.960	ug/l	
77) Bromobenzene	11.195	156	180997	145.760	ug/l	96
78) n-propylbenzene	11.305	91	923593	146.395	ug/l	99
79) 2-Chlorotoluene	11.366	91	548695	141.695	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	635832	143.293	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	82267	147.761	ug/l	98
82) 4-Chlorotoluene	11.451	91	627816	146.464	ug/l	99
83) tert-Butylbenzene	11.713	119	641713	142.974	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	647248	148.135	ug/l	100
85) sec-Butylbenzene	11.890	105	807713	145.383	ug/l	100
86) p-Isopropyltoluene	12.006	119	664916	149.075	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	334751	147.488	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	333594	145.189	ug/l	99
89) n-Butylbenzene	12.329	91	620757	158.324	ug/l	99
90) Hexachloroethane	12.536	117	128582	154.554	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	329318	147.436	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	64958	186.240	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	219313	162.416	ug/l	99
94) Hexachlorobutadiene	13.725	225	80241	149.034	ug/l	99
95) Naphthalene	13.774	128	828949	168.538	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	222608	162.727	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
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\VX022825\
 Data File : VX045073.D
 Acq On : 28 Feb 2025 03:47
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :

MSVOA_X

Client SampleId :

VSTDIC150

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025

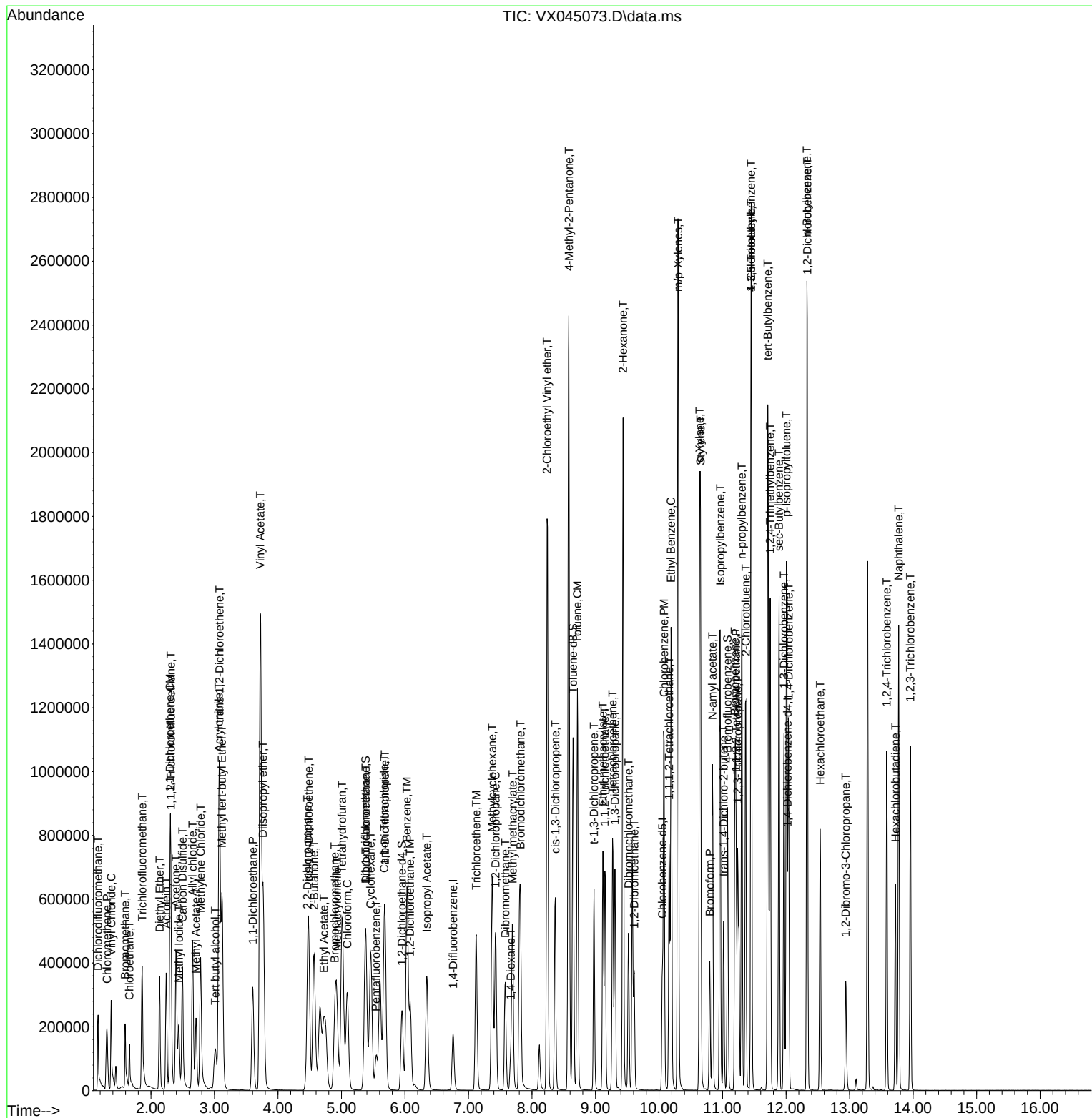
Quant Time: Feb 28 05:36:17 2025

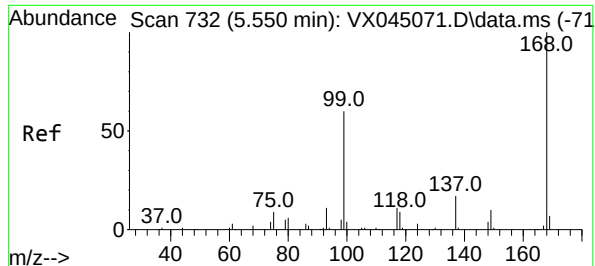
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M

Quant Title : SW846 8260

QLast Update : Fri Feb 28 05:28:02 2025

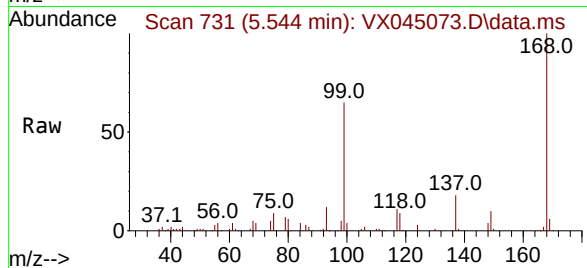
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

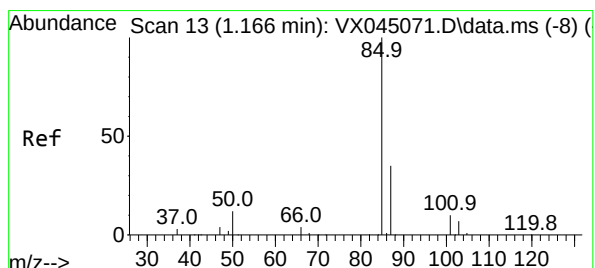
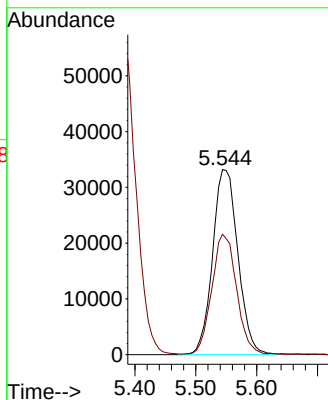
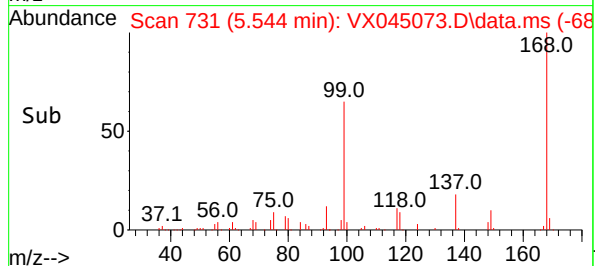
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion:168 Resp: 95754
Ion Ratio Lower Upper
168 100
99 64.8 48.2 72.4

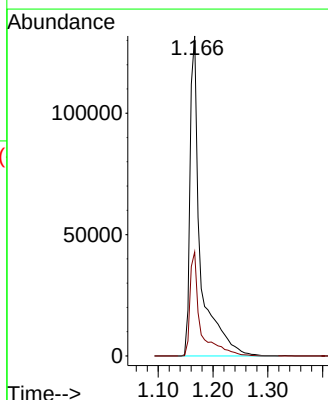
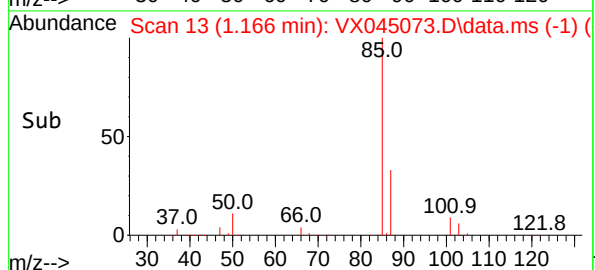
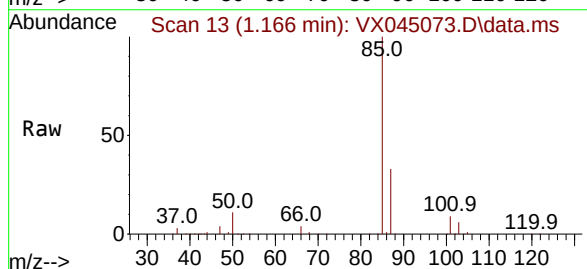
Manual Integrations
APPROVED

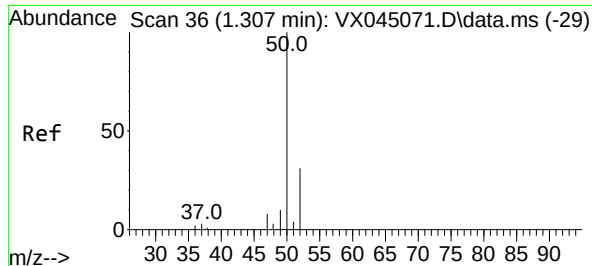
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#2
Dichlorodifluoromethane
Concen: 132.067 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

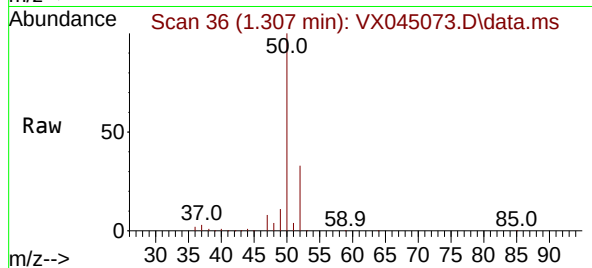
Tgt Ion: 85 Resp: 174297
Ion Ratio Lower Upper
85 100
87 32.5 17.4 52.3





#3
Chloromethane
Concen: 133.072 ug/l
RT: 1.307 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

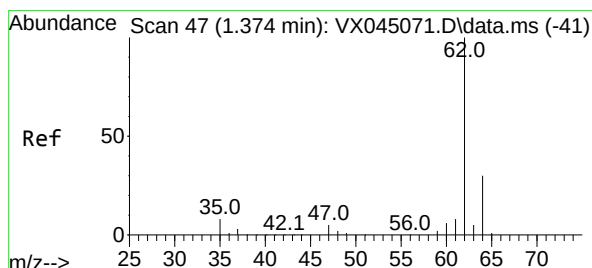
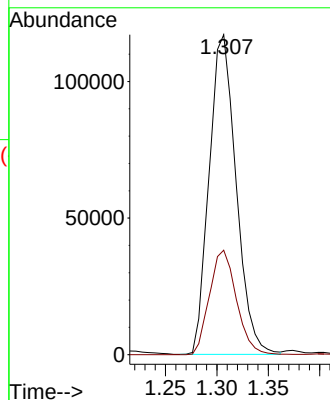
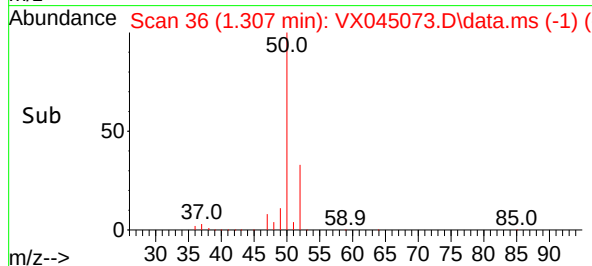
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion: 50 Resp: 213704
Ion Ratio Lower Upper
50 100
52 32.7 25.0 37.4

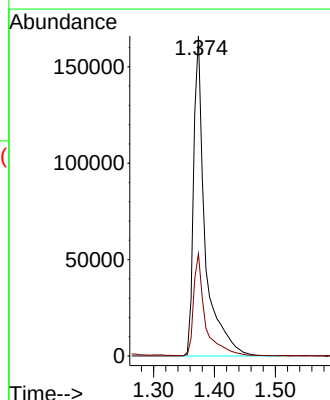
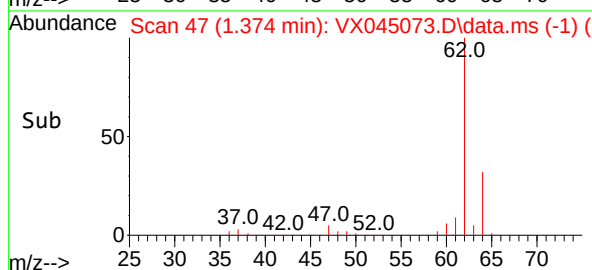
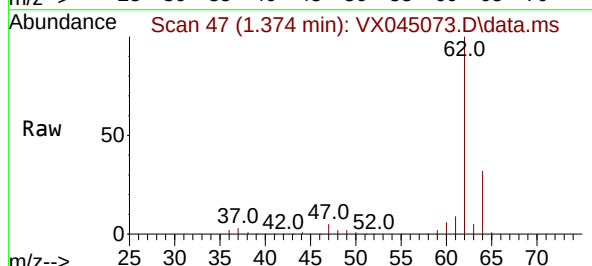
Manual Integrations
APPROVED

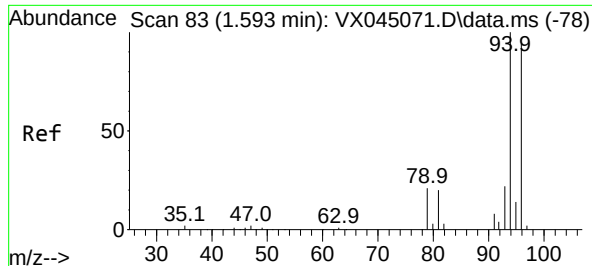
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#4
Vinyl Chloride
Concen: 138.774 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 62 Resp: 217672
Ion Ratio Lower Upper
62 100
64 31.8 24.3 36.5





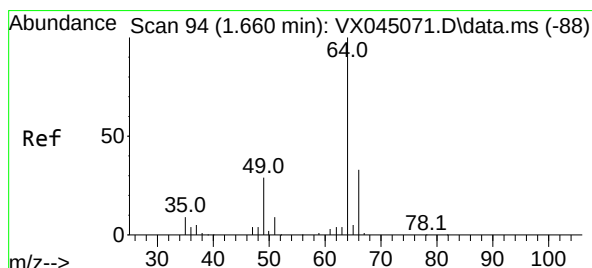
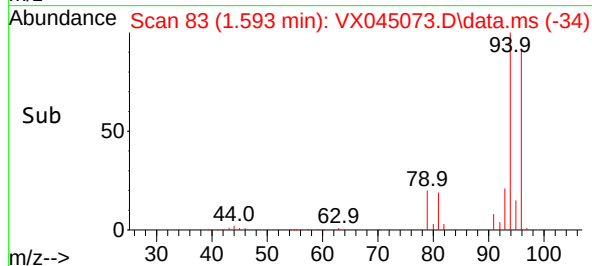
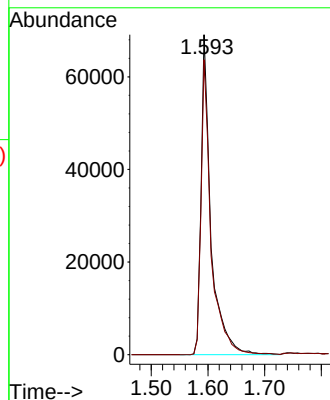
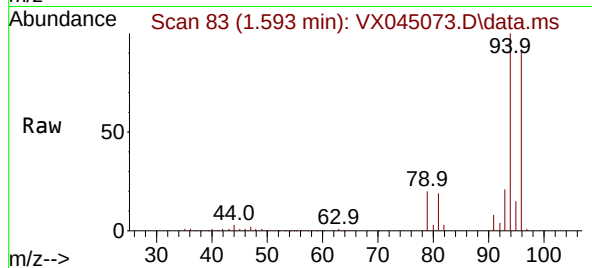
#5
Bromomethane
Concen: 170.379 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 94 Resp: 8354
Ion Ratio Lower Upper
94 100
96 92.2 75.0 112.4

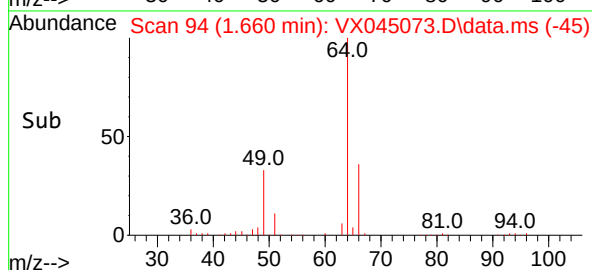
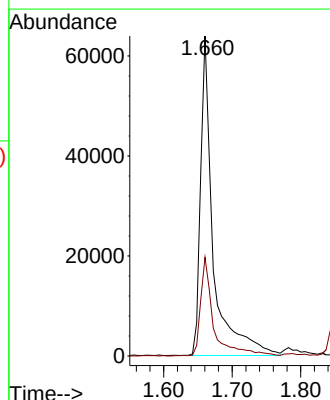
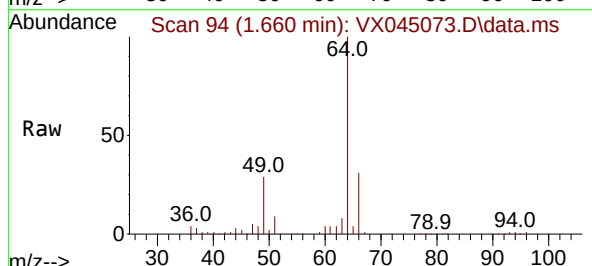
Manual Integrations
APPROVED

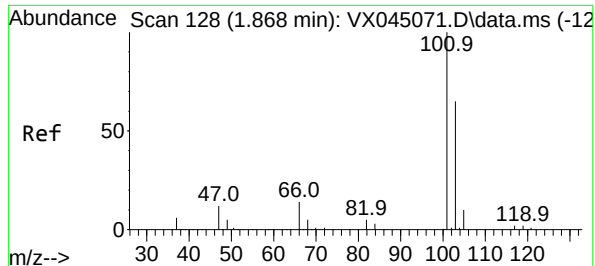
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#6
Chloroethane
Concen: 137.509 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

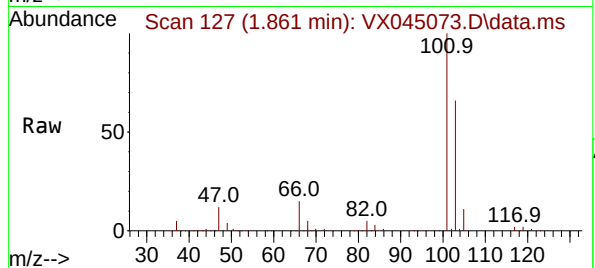
Tgt Ion: 64 Resp: 82101
Ion Ratio Lower Upper
64 100
66 30.8 26.7 40.1





#7
Trichlorofluoromethane
Concen: 135.494 ug/l
RT: 1.861 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

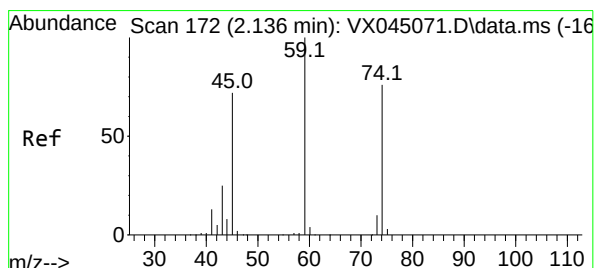
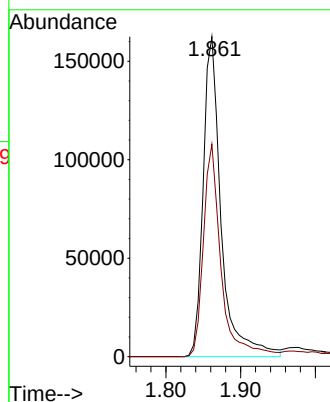
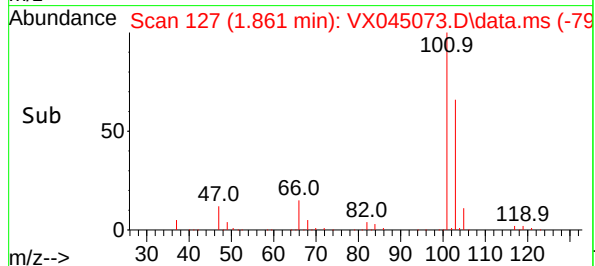
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion:101 Resp: 272235
Ion Ratio Lower Upper
101 100
103 66.4 52.1 78.1

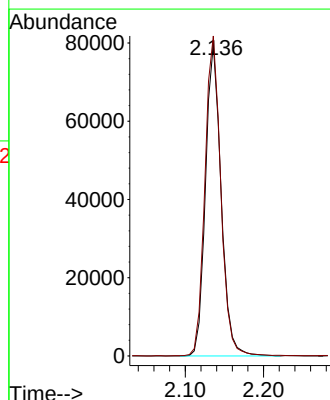
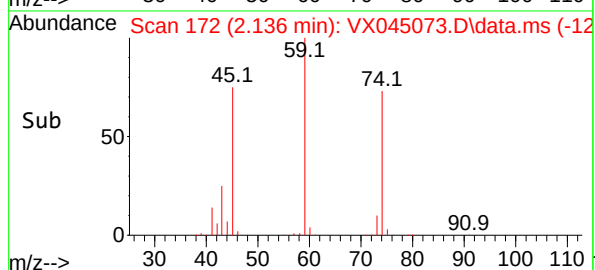
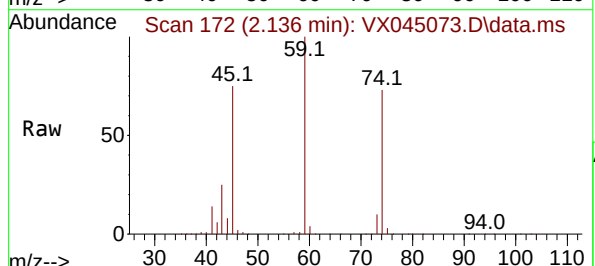
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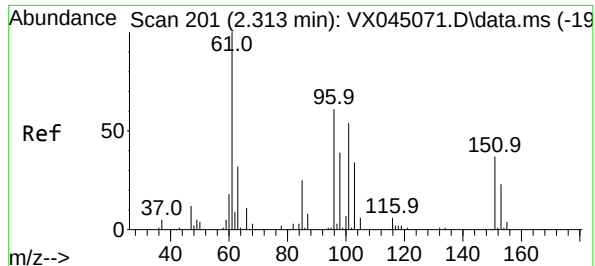
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#8
Diethyl Ether
Concen: 150.660 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 74 Resp: 110005
Ion Ratio Lower Upper
74 100
45 104.9 51.5 154.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 134.877 ug/l

RT: 2.313 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:101 Resp: 16182

Ion Ratio Lower Upper

101 100

85 45.8 36.2 54.4

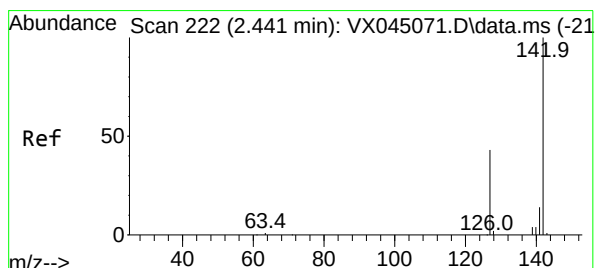
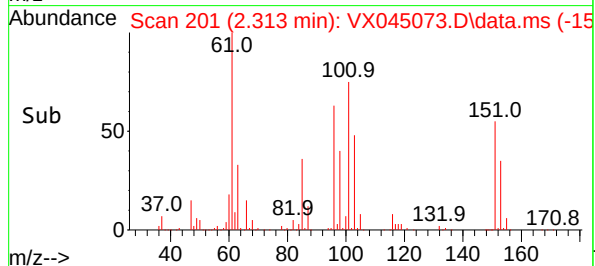
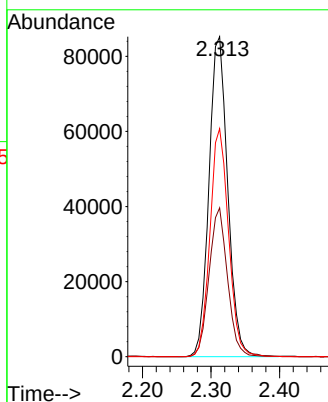
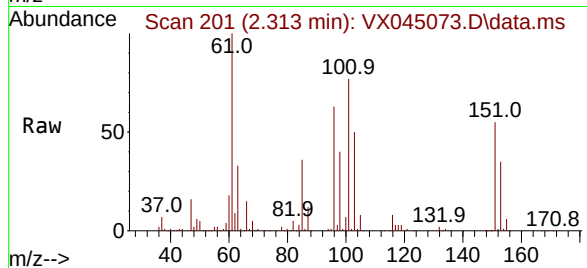
151 70.8 56.4 84.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#10

Methyl Iodide

Concen: 138.059 ug/l

RT: 2.441 min Scan# 222

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

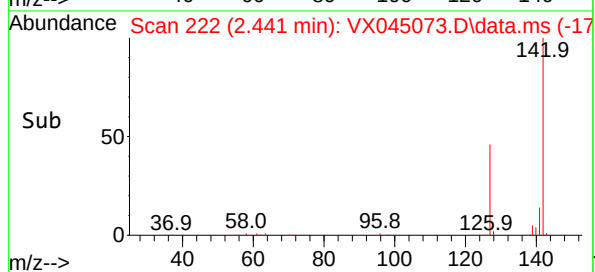
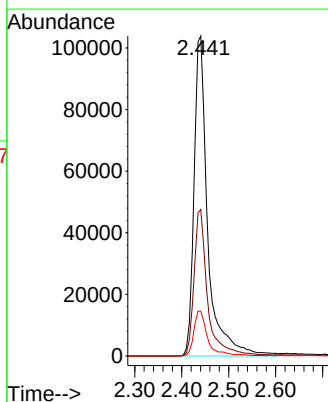
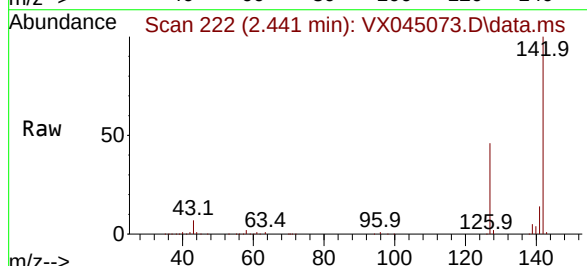
Tgt Ion:142 Resp: 212355

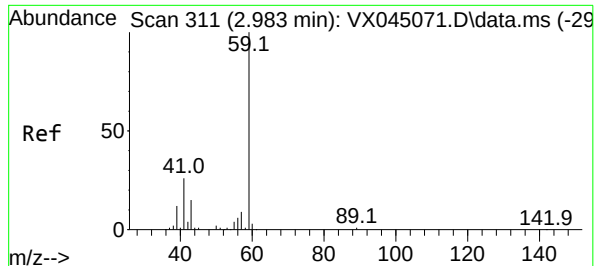
Ion Ratio Lower Upper

142 100

127 45.2 35.4 53.2

141 14.3 11.6 17.4





#11

Tert butyl alcohol

Concen: 754.176 ug/l

RT: 3.014 min Scan# 311

Delta R.T. 0.030 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 59 Resp: 19541

Ion Ratio Lower Upper

59 100

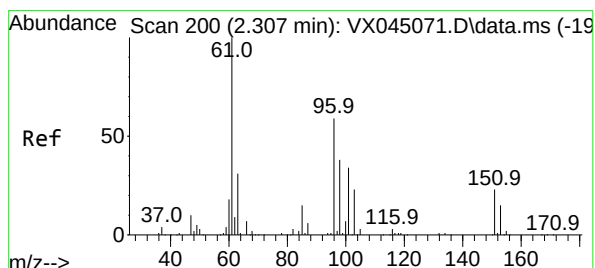
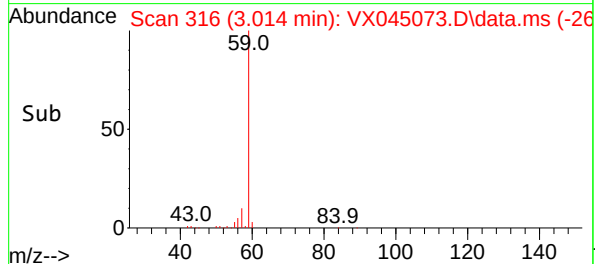
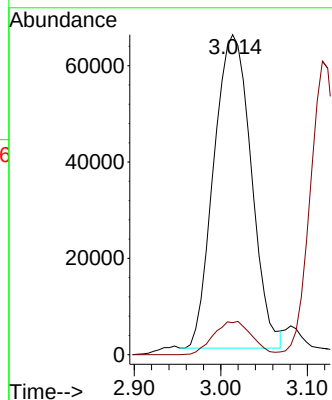
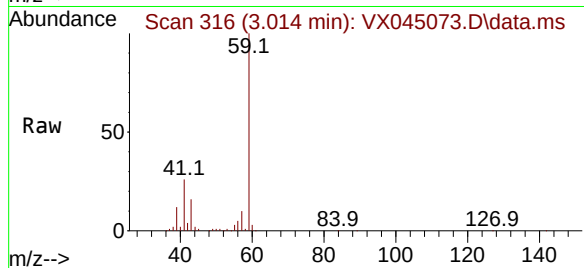
57 10.9 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#12

1,1-Dichloroethene

Concen: 140.655 ug/l

RT: 2.300 min Scan# 199

Delta R.T. -0.006 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

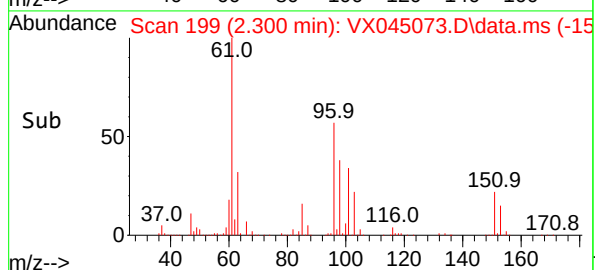
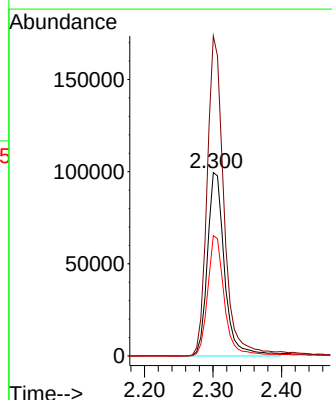
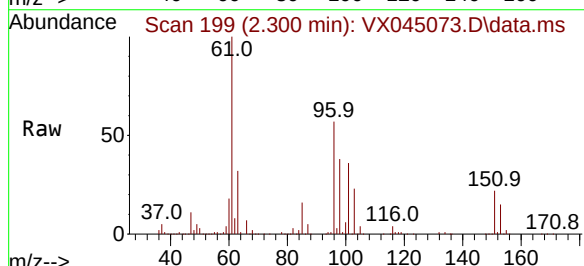
Tgt Ion: 96 Resp: 173271

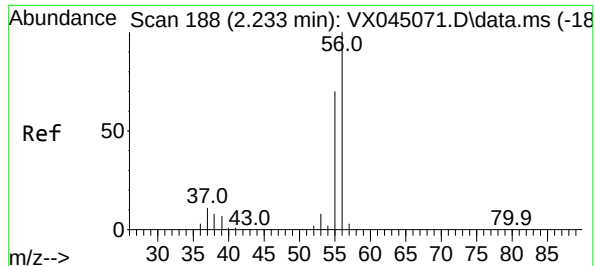
Ion Ratio Lower Upper

96 100

61 174.5 134.6 202.0

98 65.6 51.0 76.6





#13

Acrolein

Concen: 940.846 ug/l

RT: 2.239 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 263999

Ion Ratio Lower Upper

56 100

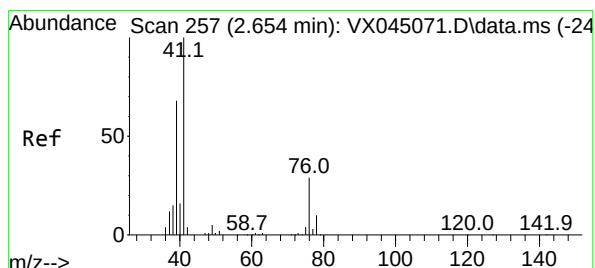
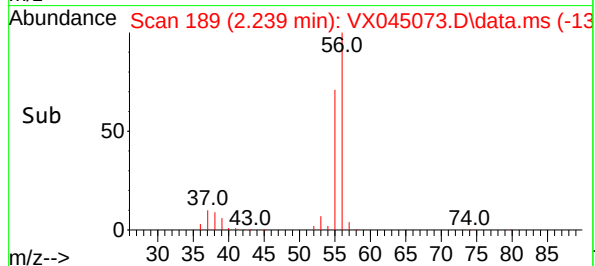
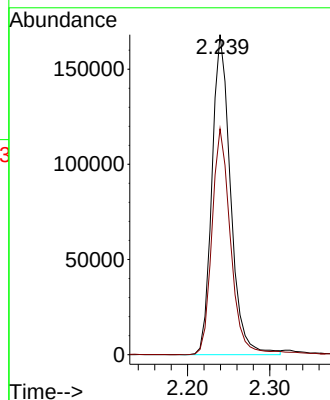
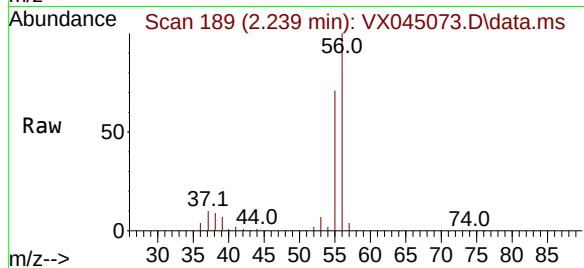
55 71.6 56.2 84.4

Manual Integrations

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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#14

Allyl chloride

Concen: 139.077 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

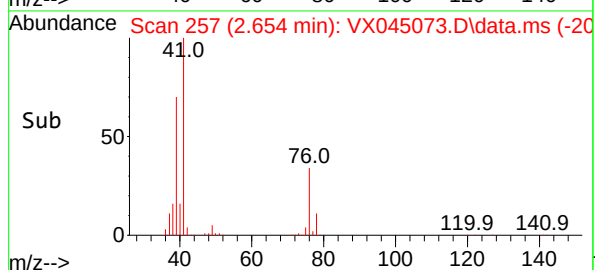
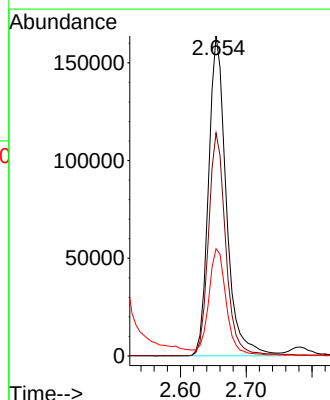
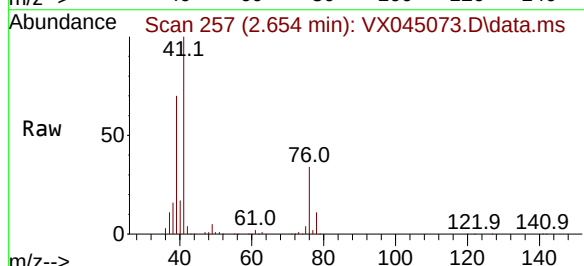
Tgt Ion: 41 Resp: 308018

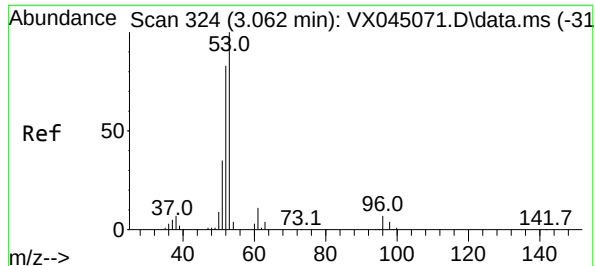
Ion Ratio Lower Upper

41 100

39 67.9 53.8 80.8

76 33.8 25.2 37.8





#15

Acrylonitrile

Concen: 813.990 ug/l

RT: 3.069 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 53 Resp: 573208

Ion Ratio Lower Upper

53 100

52 83.3 66.2 99.2

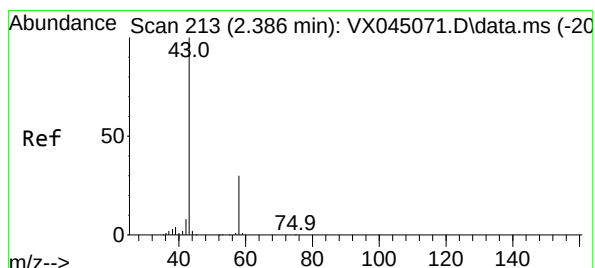
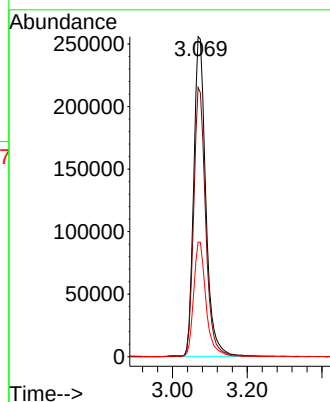
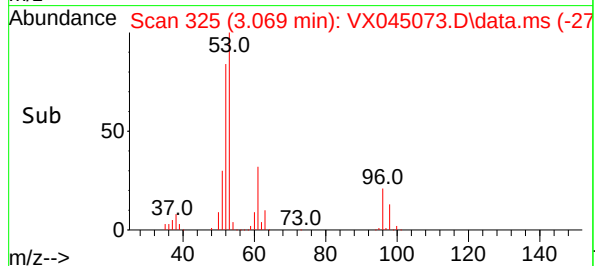
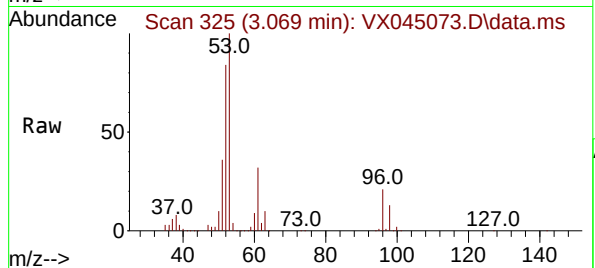
51 37.0 29.0 43.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#16

Acetone

Concen: 879.387 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX045073.D

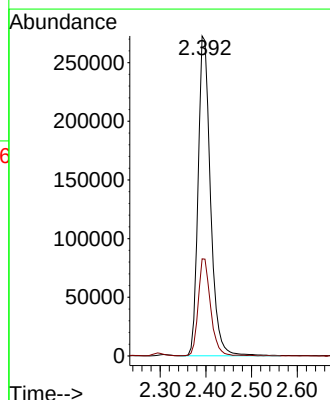
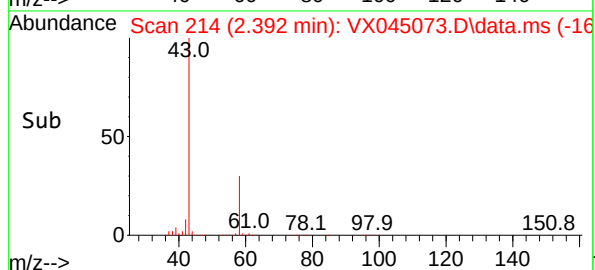
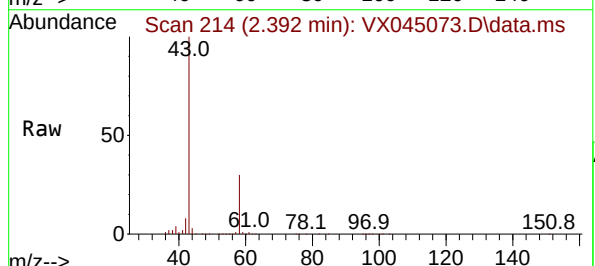
Acq: 28 Feb 2025 03:47

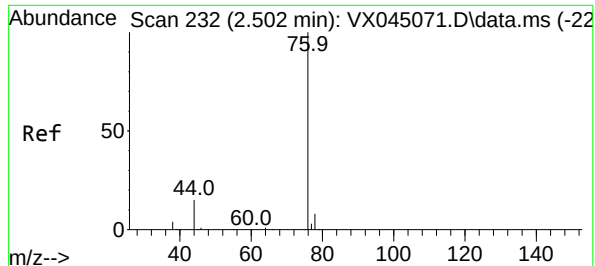
Tgt Ion: 43 Resp: 511828

Ion Ratio Lower Upper

43 100

58 30.3 24.2 36.4





#17

Carbon Disulfide

Concen: 145.511 ug/l

RT: 2.495 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 487720

Ion Ratio Lower Upper

76 100

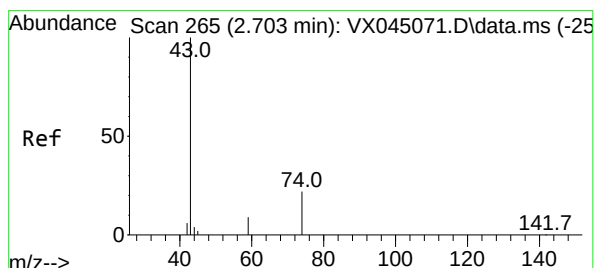
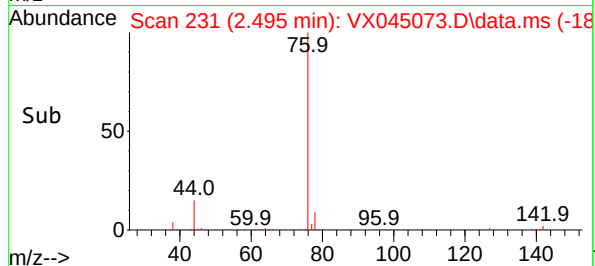
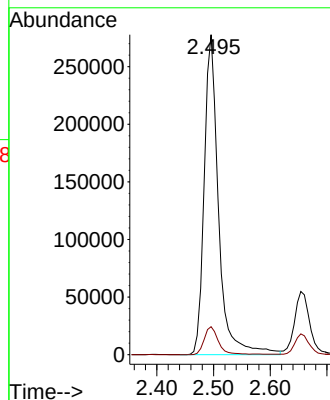
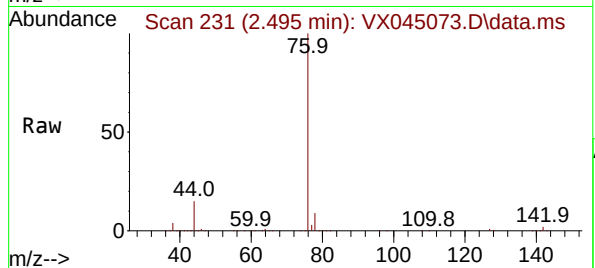
78 8.8 6.6 9.8

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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#18

Methyl Acetate

Concen: 147.347 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX045073.D

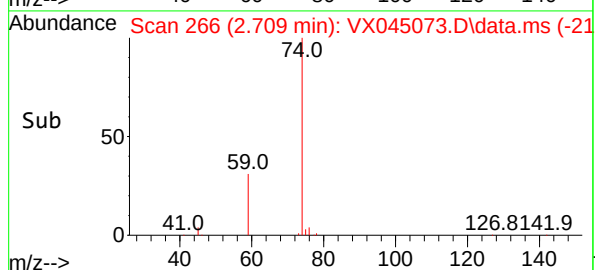
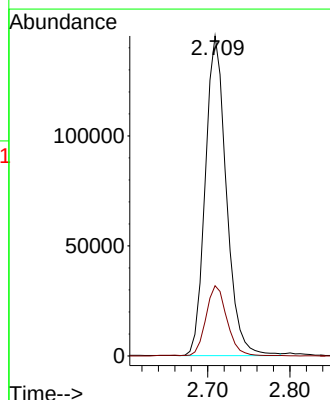
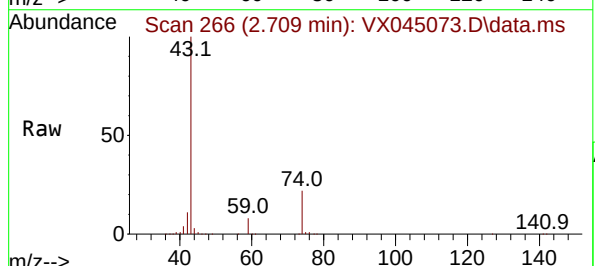
Acq: 28 Feb 2025 03:47

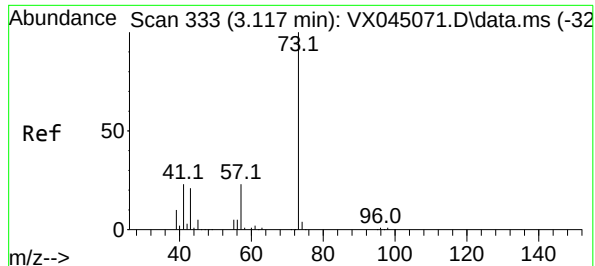
Tgt Ion: 43 Resp: 258303

Ion Ratio Lower Upper

43 100

74 22.0 17.4 26.2





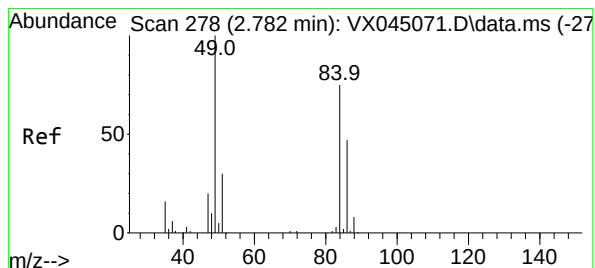
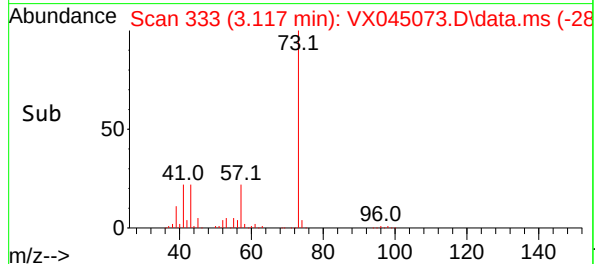
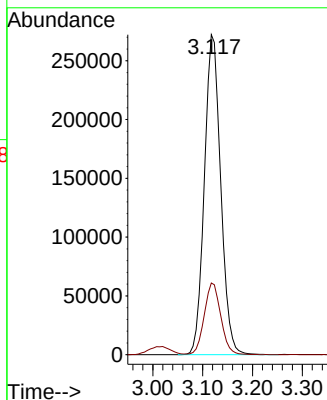
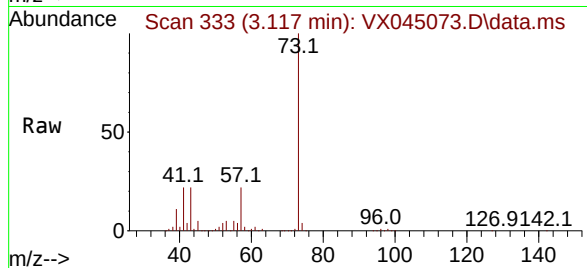
#19
Methyl tert-butyl Ether
Concen: 157.358 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 73 Resp: 619778
Ion Ratio Lower Upper
73 100
57 22.4 18.5 27.7

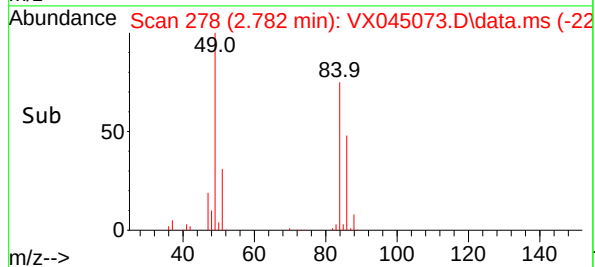
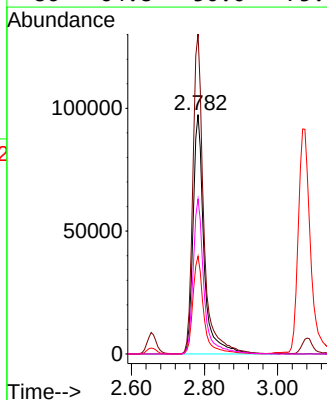
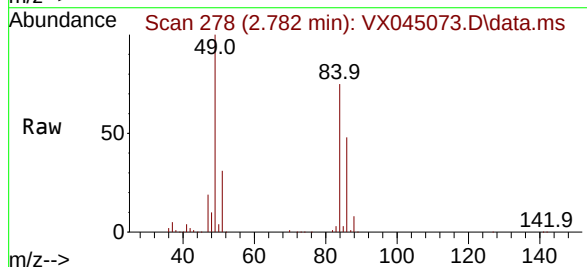
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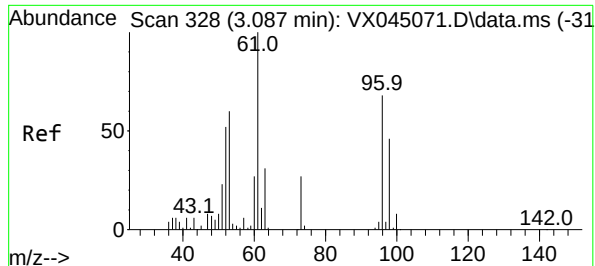
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#20
Methylene Chloride
Concen: 147.198 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 84 Resp: 202913
Ion Ratio Lower Upper
84 100
49 133.6 106.5 159.7
51 40.9 32.1 48.1
86 64.8 50.0 75.0





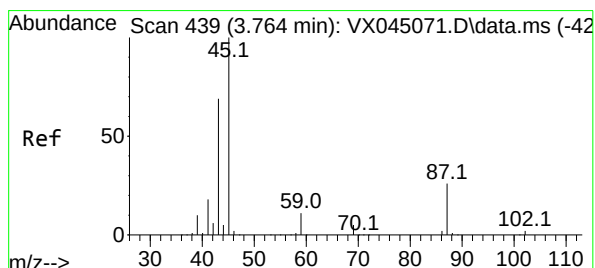
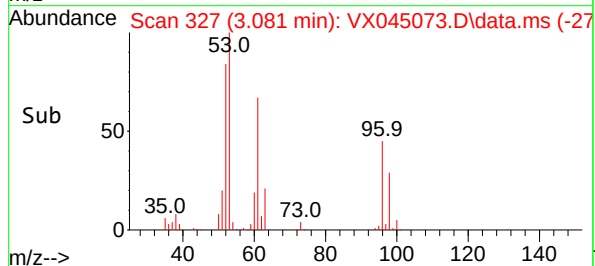
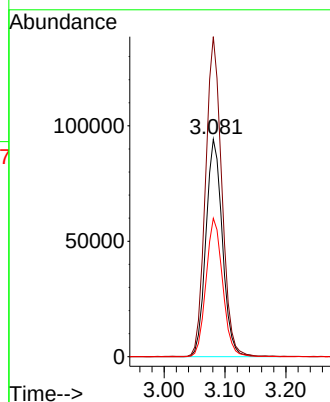
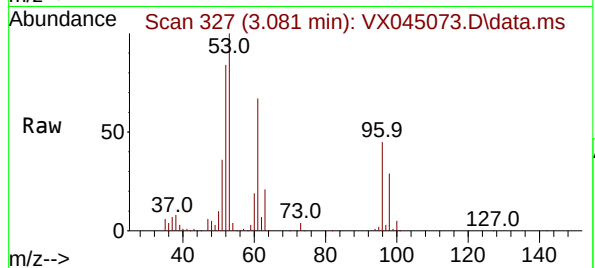
#21
trans-1,2-Dichloroethene
Concen: 146.027 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 176924
Ion Ratio Lower Upper
96 100
61 147.0 117.0 175.4
98 63.6 53.4 80.2

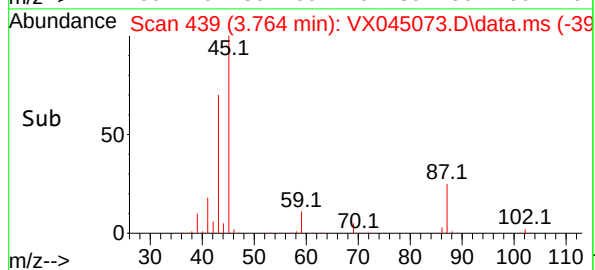
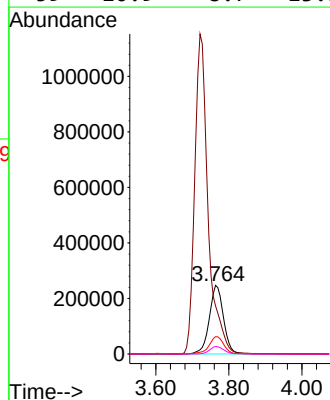
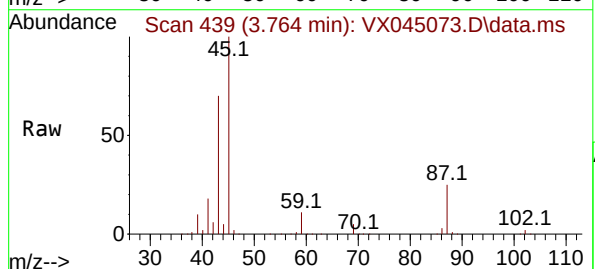
Manual Integrations
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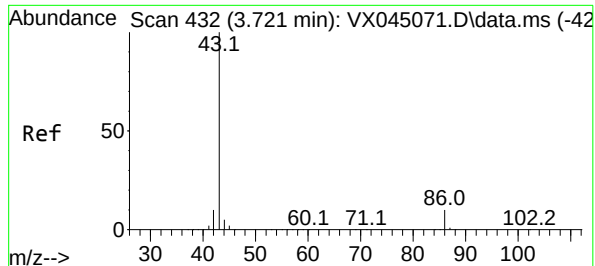
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#22
Diisopropyl ether
Concen: 156.526 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 45 Resp: 662828
Ion Ratio Lower Upper
45 100
43 70.0 54.9 82.3
87 25.2 21.0 31.4
59 10.9 8.7 13.1





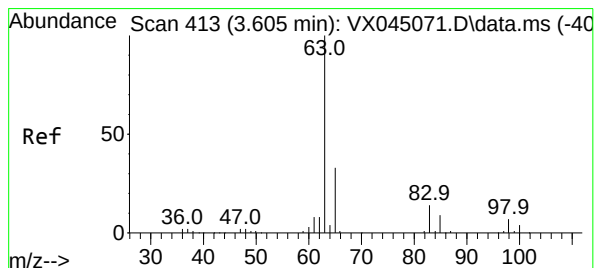
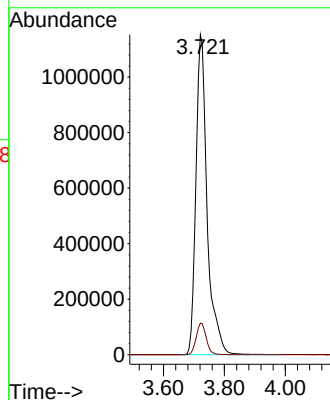
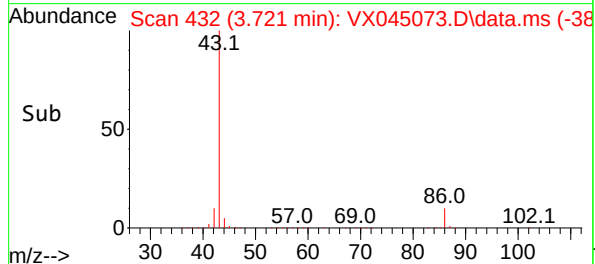
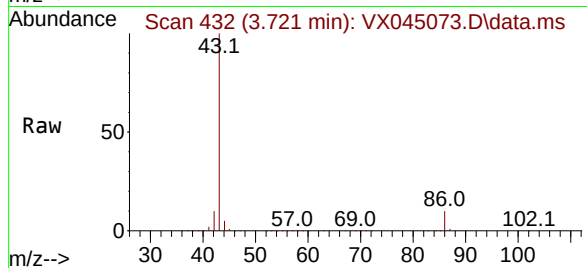
#23
Vinyl Acetate
Concen: 846.586 ug/l
RT: 3.721 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 2943150
Ion Ratio Lower Upper
43 100
86 9.8 8.1 12.1

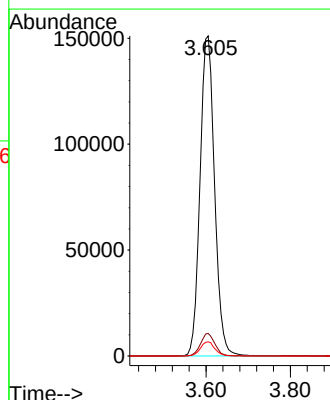
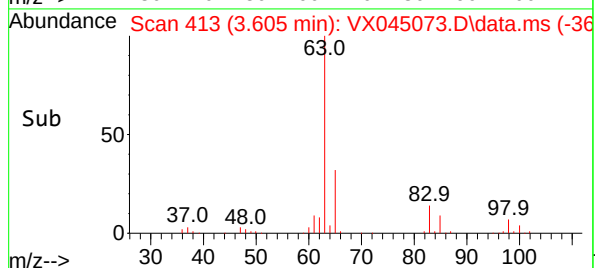
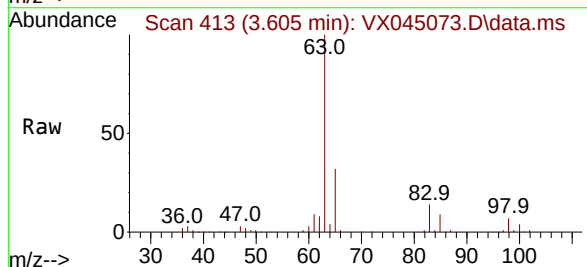
Manual Integrations
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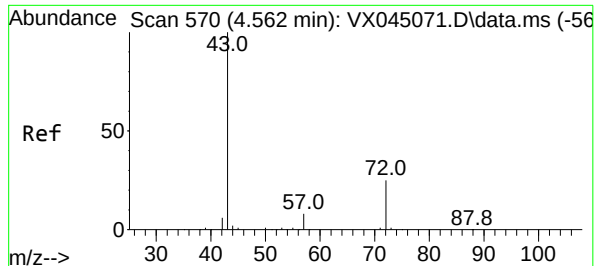
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#24
1,1-Dichloroethane
Concen: 153.453 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 63 Resp: 363081
Ion Ratio Lower Upper
63 100
98 7.1 3.4 10.2
100 4.4 2.1 6.5





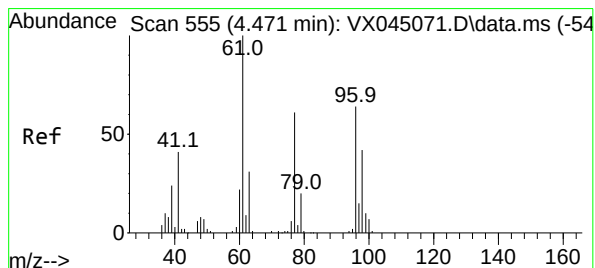
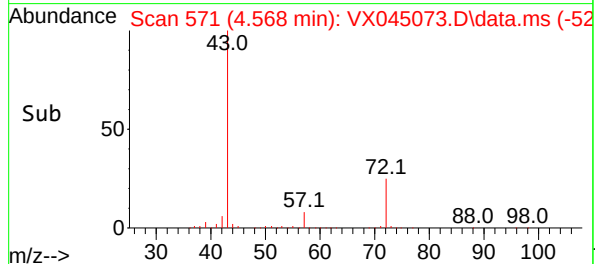
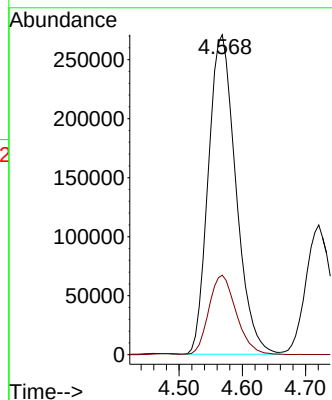
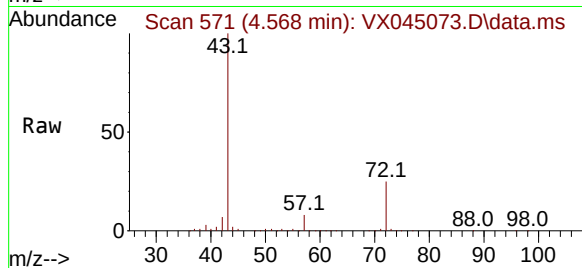
#25
2-Butanone
Concen: 872.239 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 81849
Ion Ratio Lower Upper
43 100
72 24.7 20.0 30.0

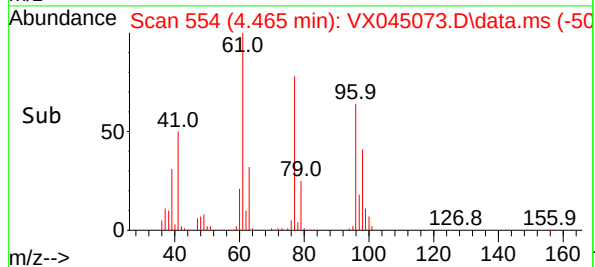
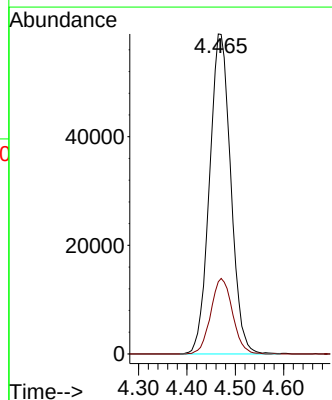
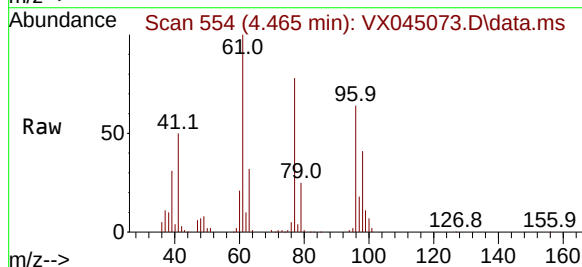
Manual Integrations
APPROVED

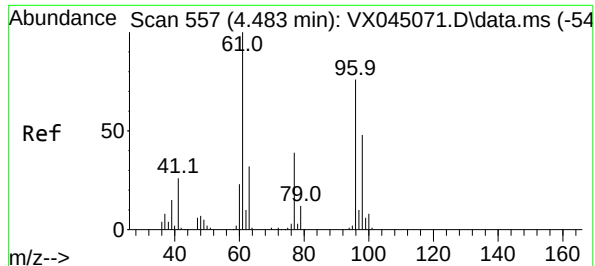
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#26
2,2-Dichloropropane
Concen: 102.231 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 77 Resp: 179826
Ion Ratio Lower Upper
77 100
97 24.1 12.4 37.0





#27

cis-1,2-Dichloroethene

Concen: 151.205 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 220820

Ion Ratio Lower Upper

96 100

61 144.2 0.0 283.2

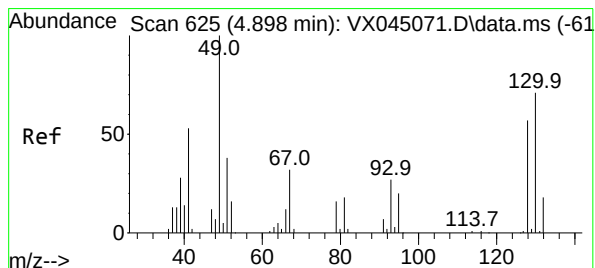
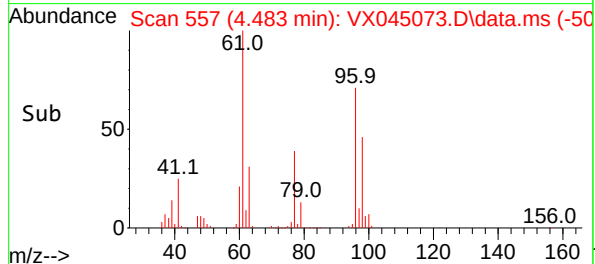
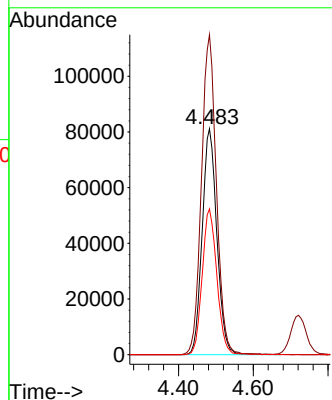
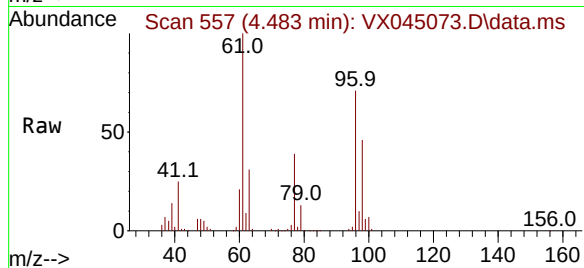
98 64.3 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#28

Bromochloromethane

Concen: 150.105 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.006 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

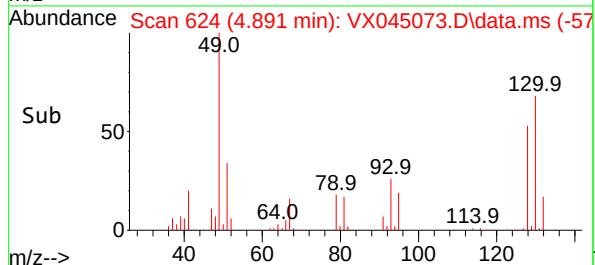
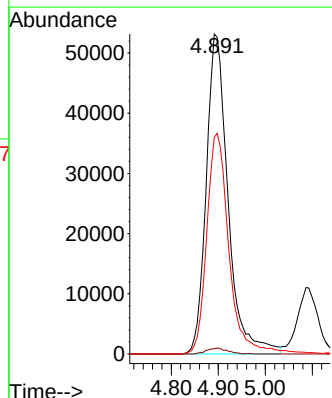
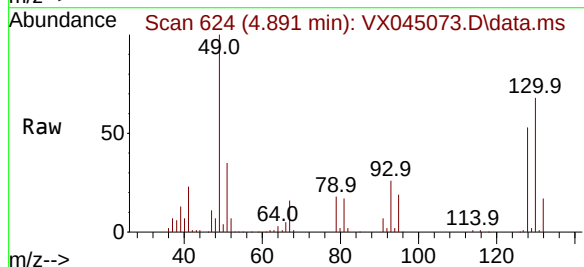
Tgt Ion: 49 Resp: 171273

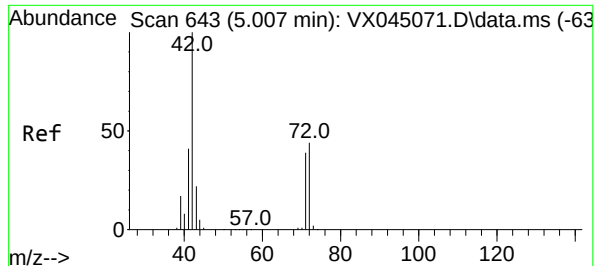
Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.4

130 70.3 56.1 84.1





#29

Tetrahydrofuran

Concen: 850.174 ug/l

RT: 5.007 min Scan# 643

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 42 Resp: 528574

Ion Ratio Lower Upper

42 100

72 42.8 34.1 51.1

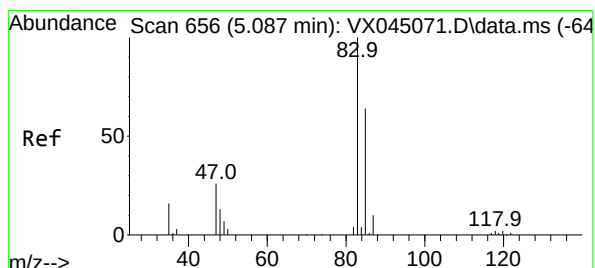
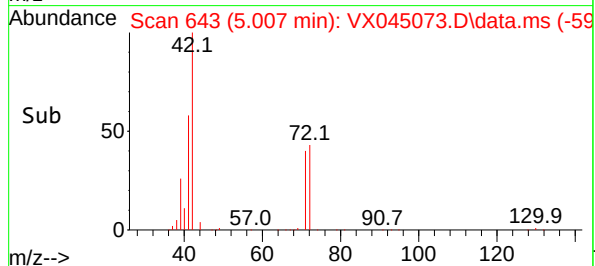
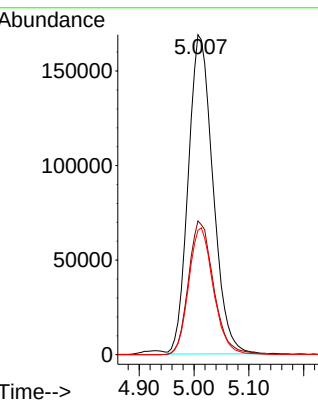
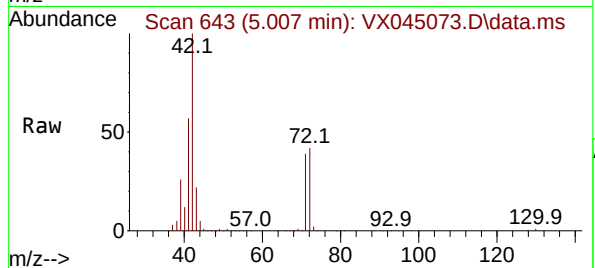
71 39.7 31.4 47.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#30

Chloroform

Concen: 152.067 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX045073.D

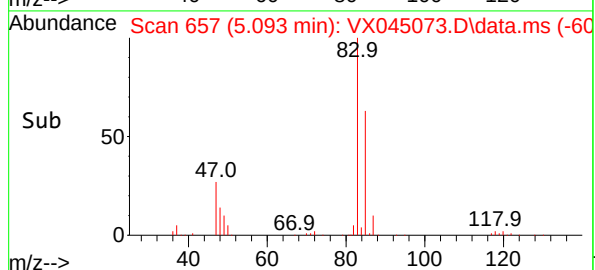
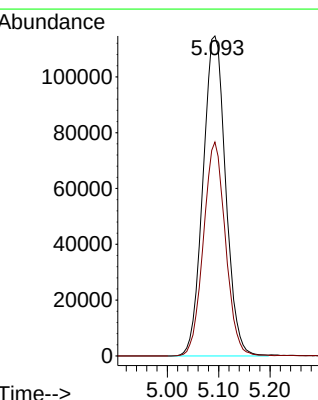
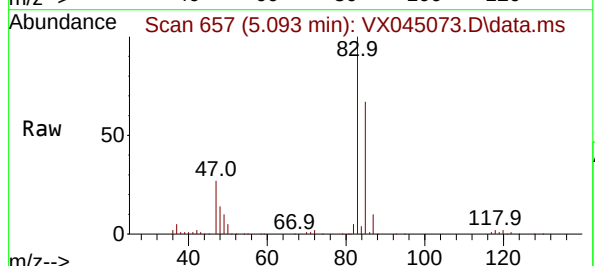
Acq: 28 Feb 2025 03:47

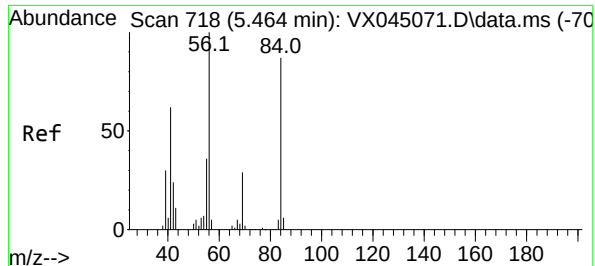
Tgt Ion: 83 Resp: 351934

Ion Ratio Lower Upper

83 100

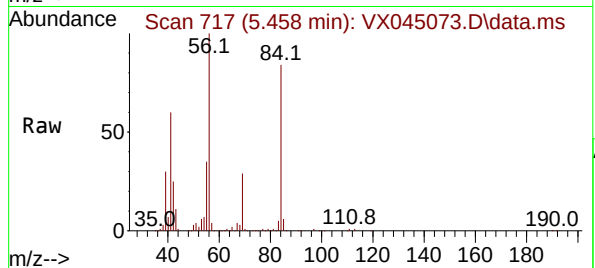
85 66.9 51.4 77.2





#31
Cyclohexane
Concen: 139.174 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

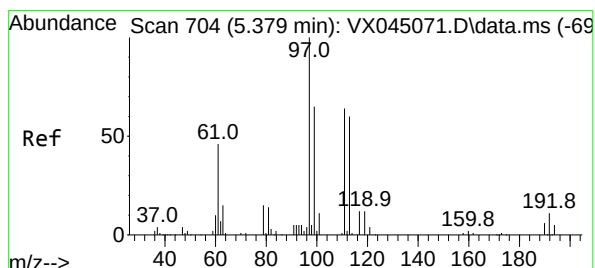
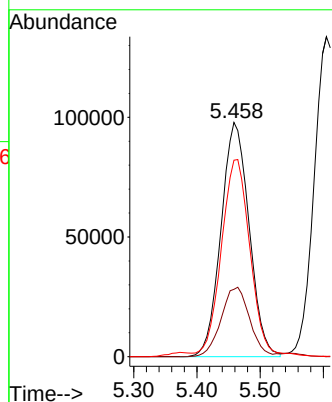
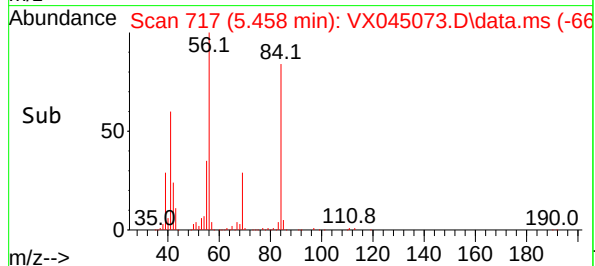
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion: 56 Resp: 302215
Ion Ratio Lower Upper
56 100
69 28.8 23.4 35.2
84 82.2 69.4 104.2

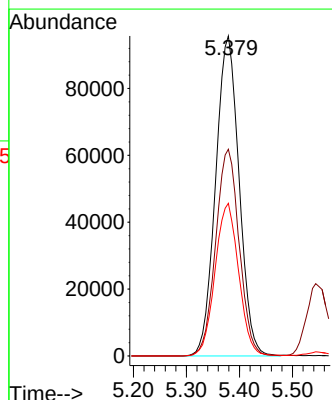
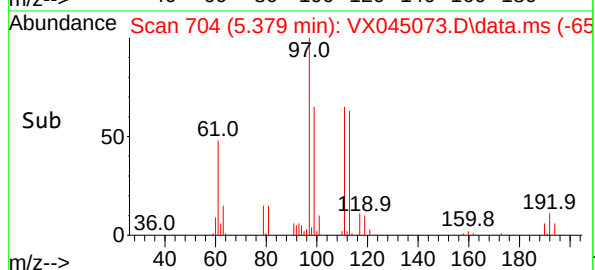
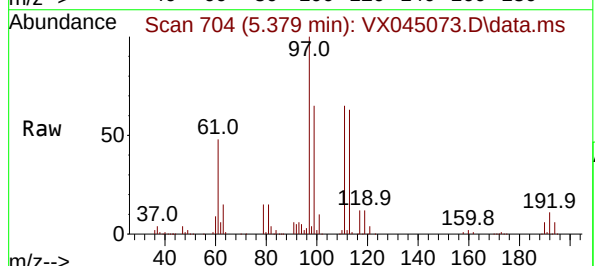
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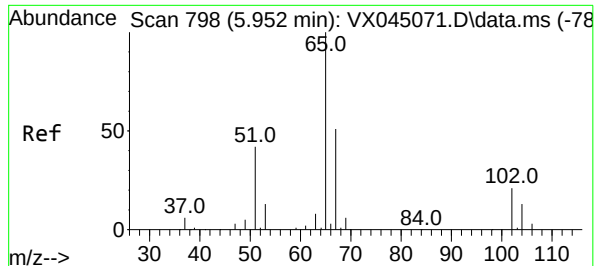
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#32
1,1,1-Trichloroethane
Concen: 151.120 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 97 Resp: 294434
Ion Ratio Lower Upper
97 100
99 64.7 51.6 77.4
61 48.1 38.4 57.6





#33

1,2-Dichloroethane-d4

Concen: 165.865 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 65 Resp: 234624

Ion Ratio Lower Upper

65 100

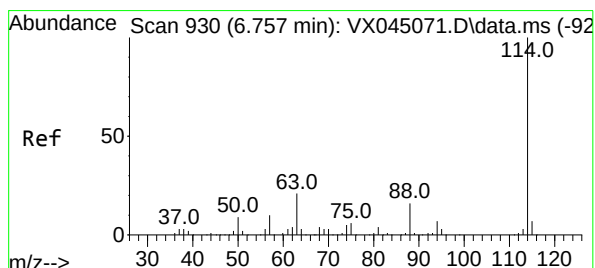
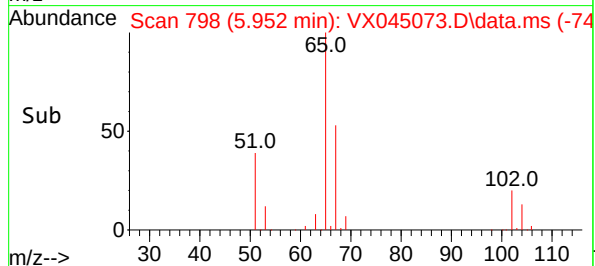
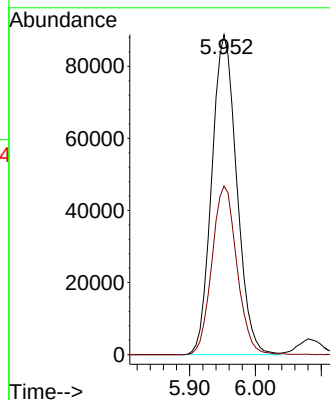
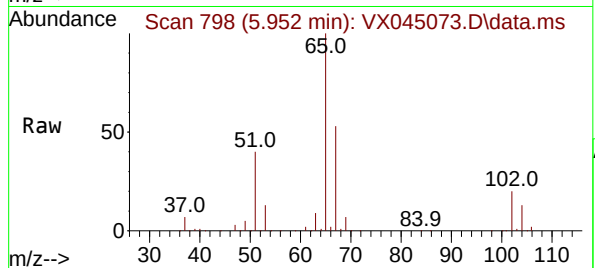
67 52.7 0.0 106.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

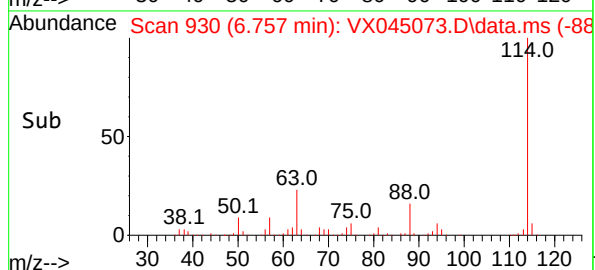
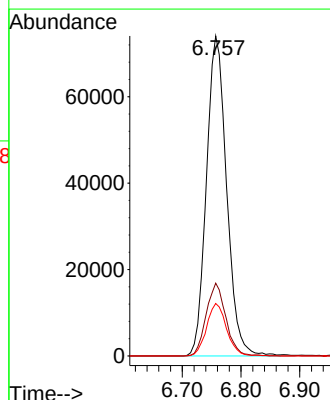
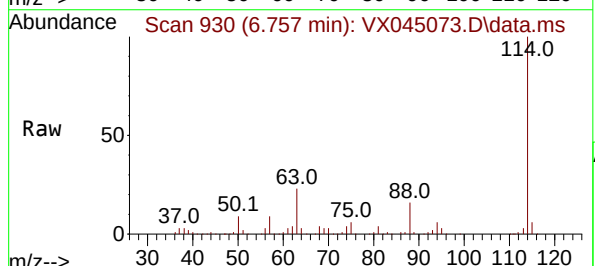
Tgt Ion:114 Resp: 176991

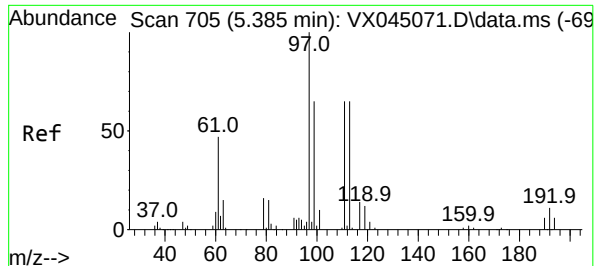
Ion Ratio Lower Upper

114 100

63 22.8 0.0 41.8

88 16.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 155.359 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:113 Resp: 17972

Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.6

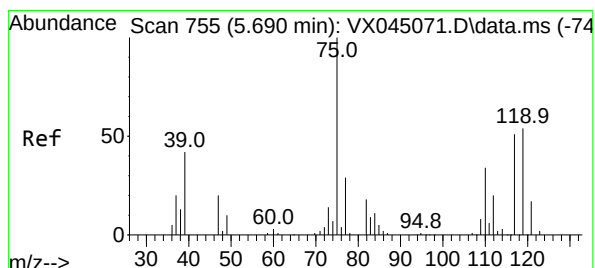
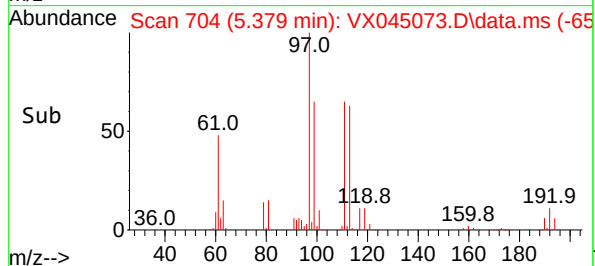
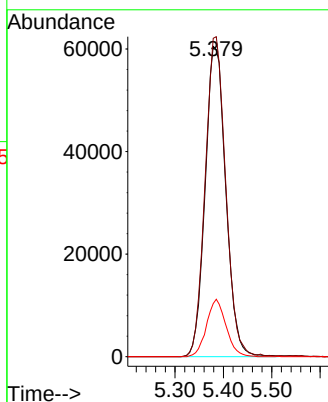
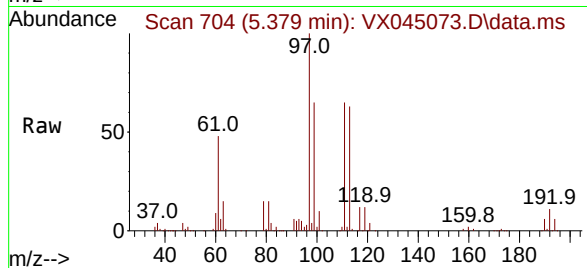
192 17.5 14.3 21.5

Manual Integrations

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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#36

1,1-Dichloropropene

Concen: 145.112 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

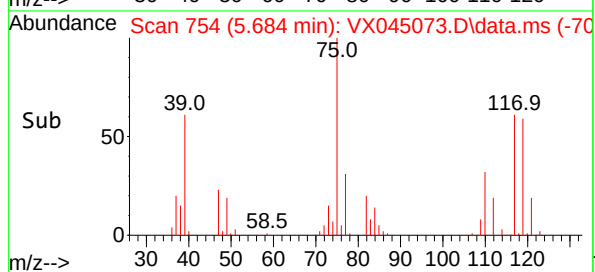
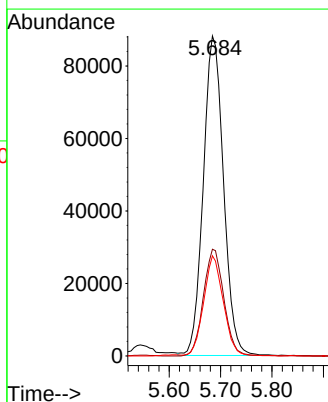
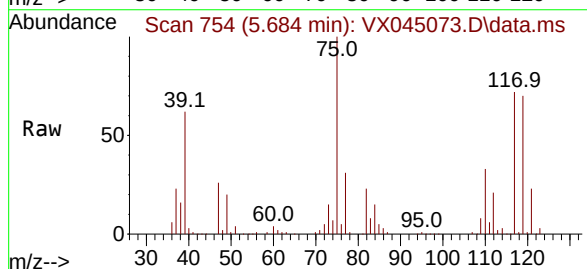
Tgt Ion: 75 Resp: 241405

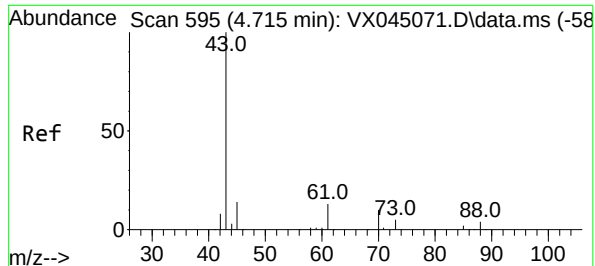
Ion Ratio Lower Upper

75 100

110 33.7 16.9 50.6

77 30.5 24.5 36.7





#37

Ethyl Acetate

Concen: 167.067 ug/l

RT: 4.721 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 316250

Ion Ratio Lower Upper

43 100

61 13.2 10.8 16.2

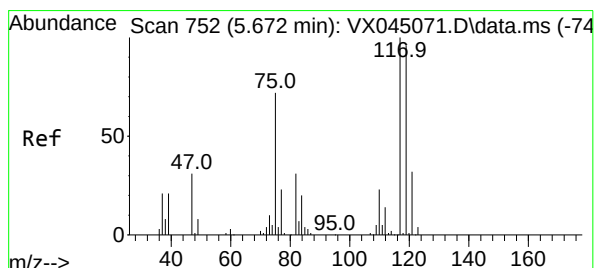
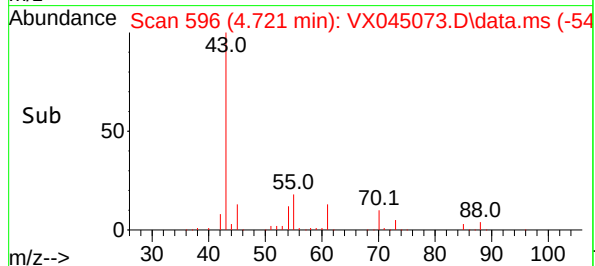
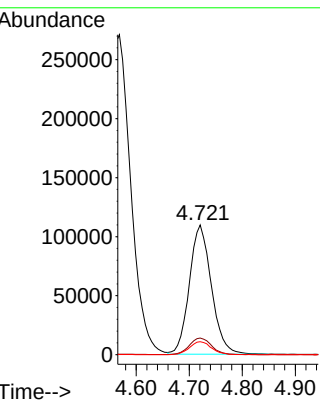
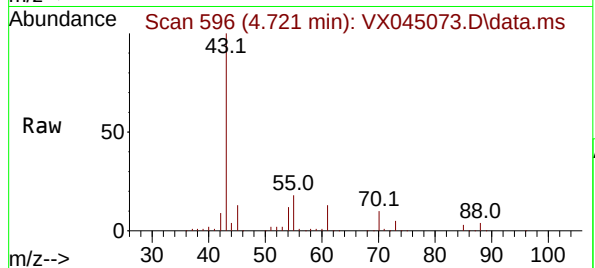
70 10.1 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#38

Carbon Tetrachloride

Concen: 150.363 ug/l

RT: 5.672 min Scan# 752

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

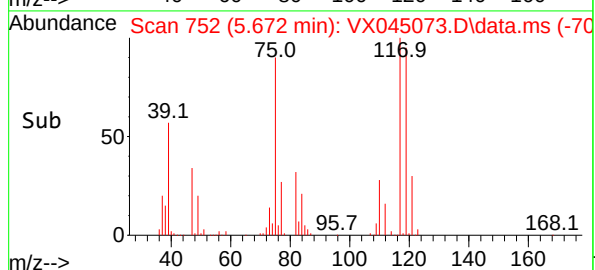
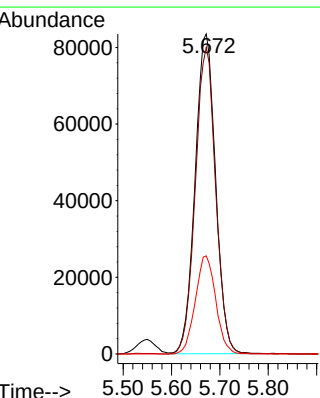
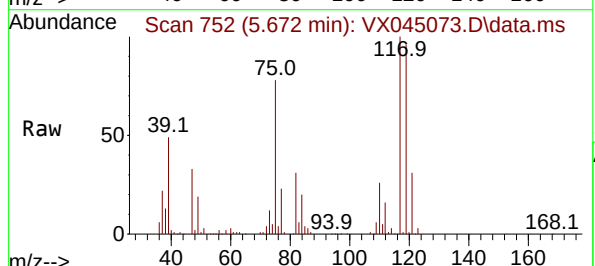
Tgt Ion:117 Resp: 245917

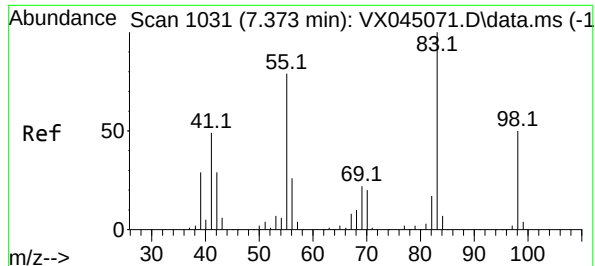
Ion Ratio Lower Upper

117 100

119 95.9 76.7 115.1

121 30.7 25.5 38.3





#39

Methylcyclohexane

Concen: 137.544 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 292210

Ion Ratio Lower Upper

83 100

55 81.7 63.0 94.4

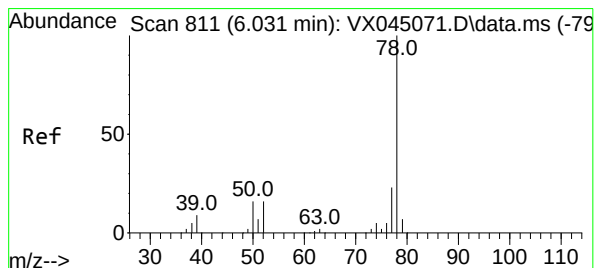
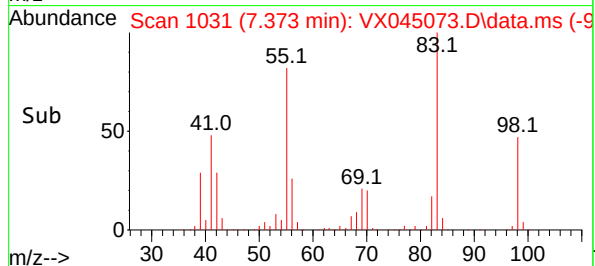
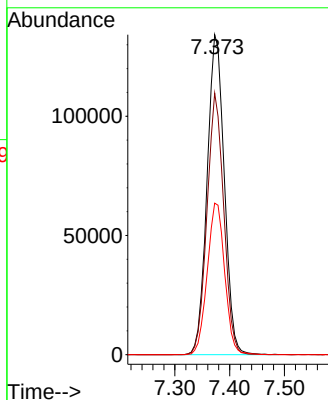
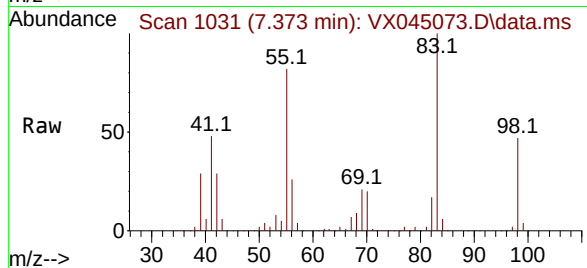
98 47.4 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#40

Benzene

Concen: 145.368 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX045073.D

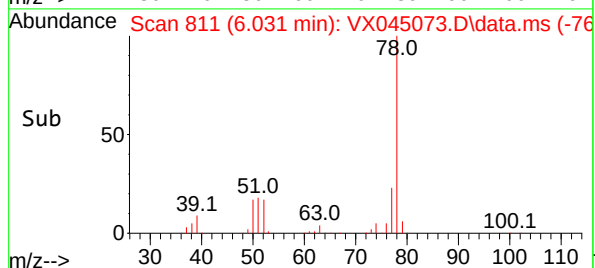
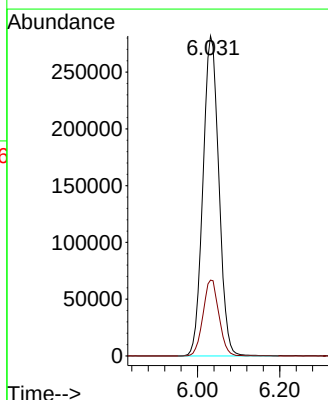
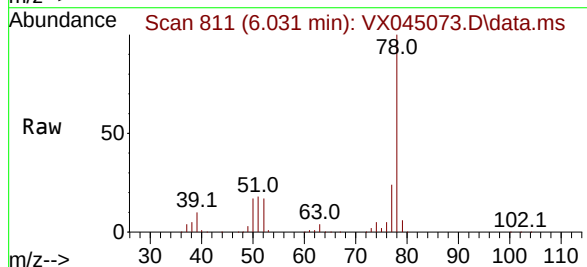
Acq: 28 Feb 2025 03:47

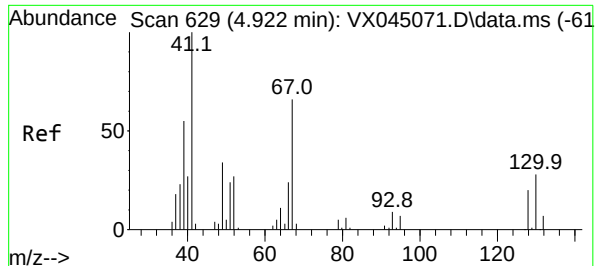
Tgt Ion: 78 Resp: 755854

Ion Ratio Lower Upper

78 100

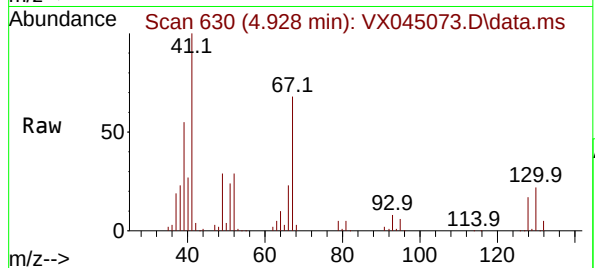
77 23.7 18.8 28.2





#41
Methacrylonitrile
Concen: 173.088 ug/l
RT: 4.928 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

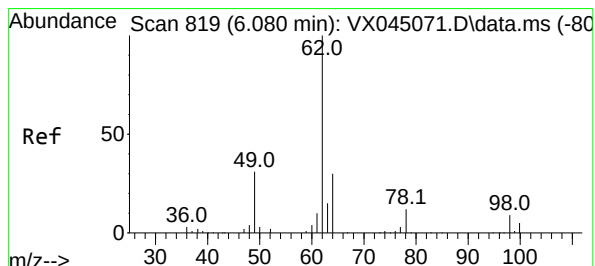
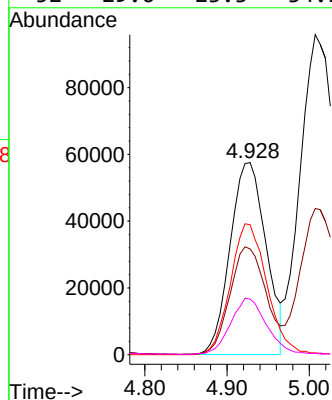
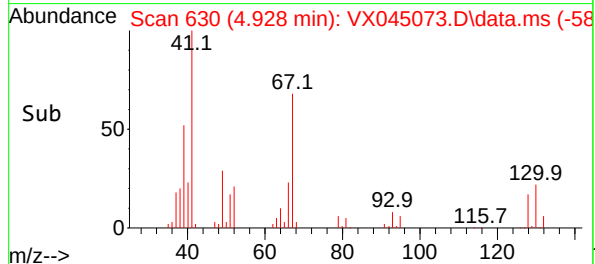
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion: 41 Resp: 17502
Ion Ratio Lower Upper
41 100
39 55.9 44.6 67.0
67 69.5 53.9 80.9
52 29.6 23.3 34.9

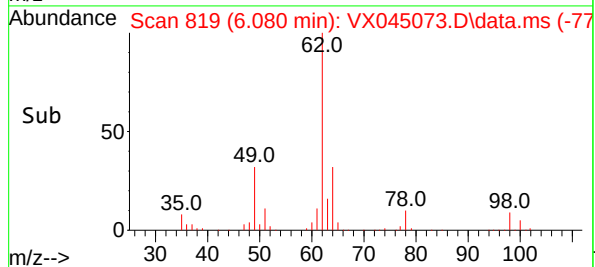
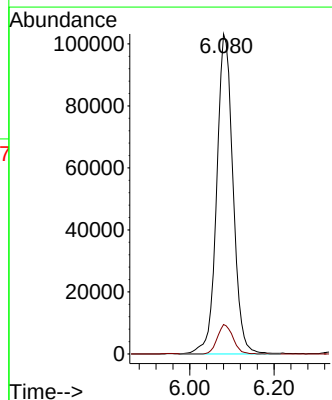
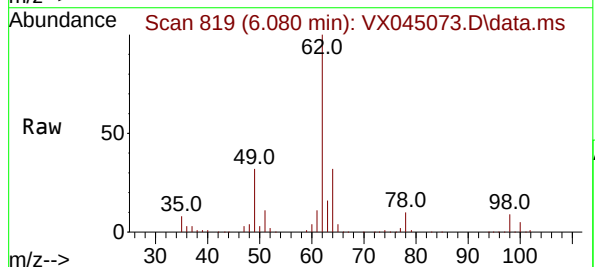
Manual Integrations
APPROVED

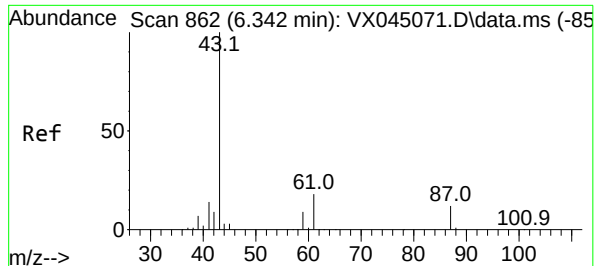
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#42
1,2-Dichloroethane
Concen: 163.872 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 62 Resp: 276129
Ion Ratio Lower Upper
62 100
98 8.8 0.0 18.2





#43

Isopropyl Acetate

Concen: 169.804 ug/l

RT: 6.342 min Scan# 862

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 51164

Ion Ratio Lower Upper

43 100

61 18.7 14.9 22.3

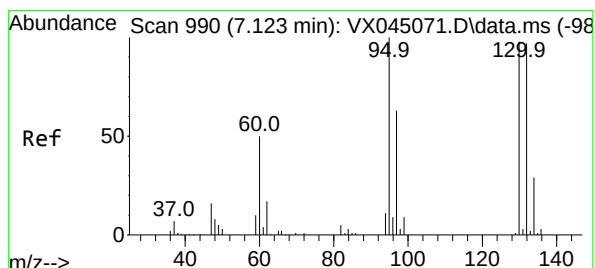
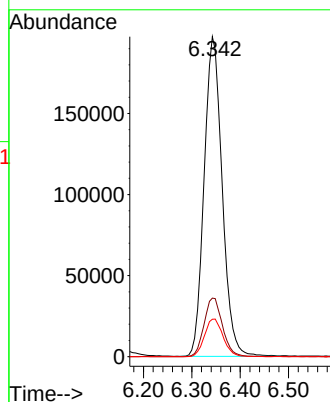
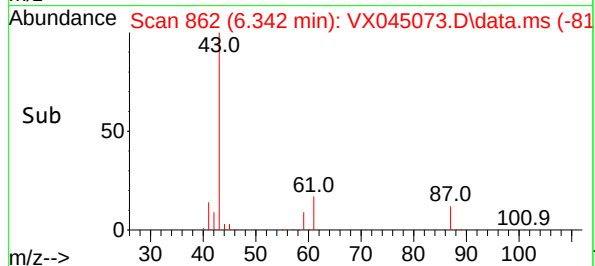
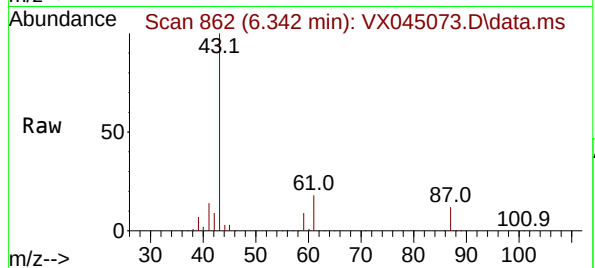
87 12.1 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#44

Trichloroethene

Concen: 150.181 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX045073.D

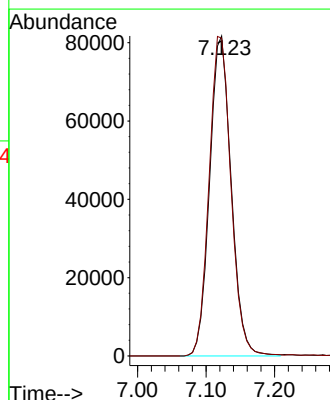
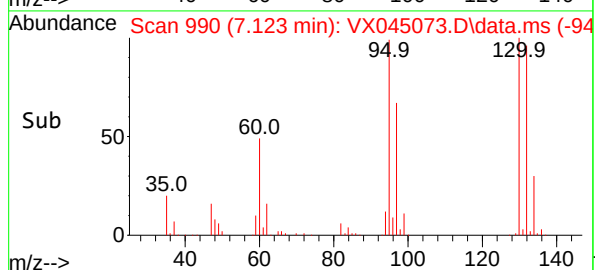
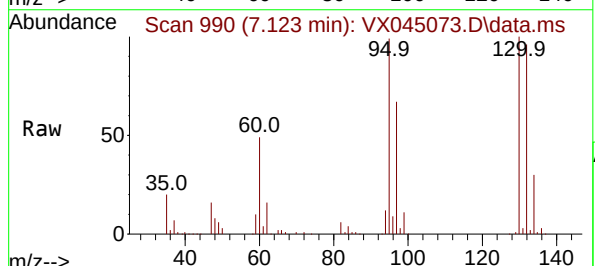
Acq: 28 Feb 2025 03:47

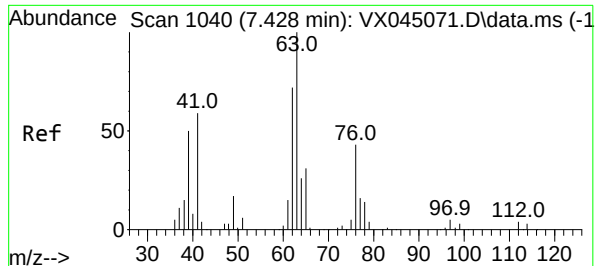
Tgt Ion:130 Resp: 178483

Ion Ratio Lower Upper

130 100

95 99.3 0.0 205.0





#45

1,2-Dichloropropane

Concen: 153.334 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 63 Resp: 19813

Ion Ratio Lower Upper

63 100

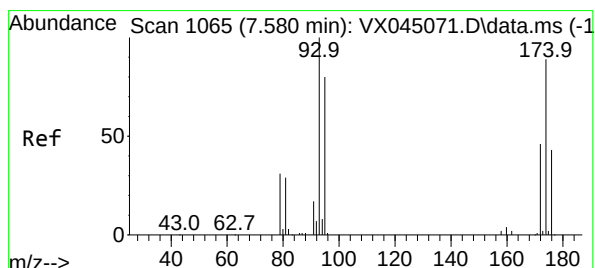
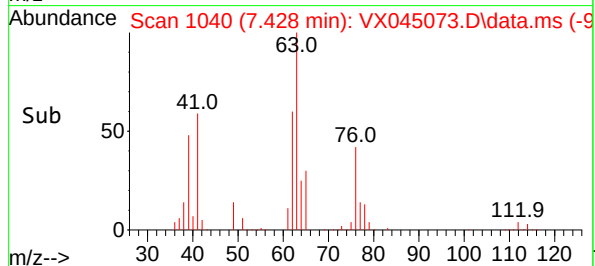
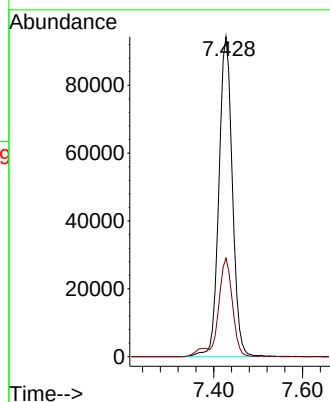
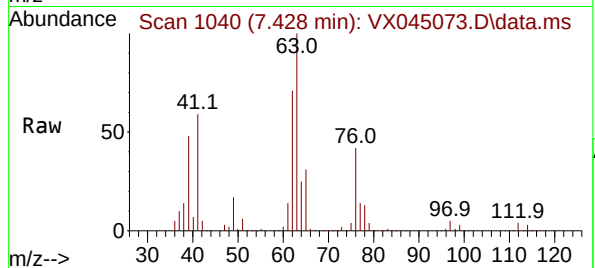
65 30.8 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#46

Dibromomethane

Concen: 157.443 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

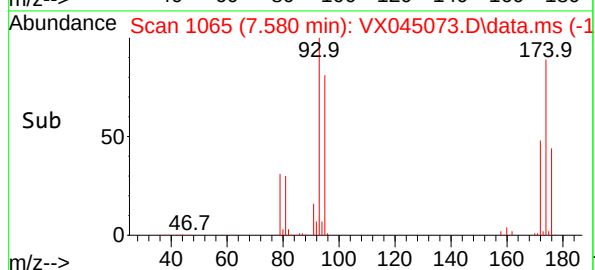
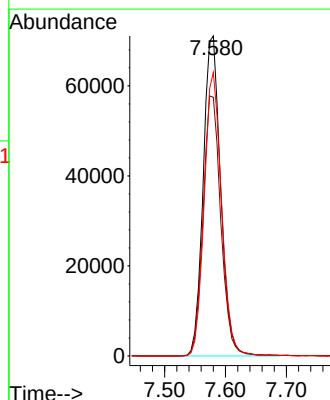
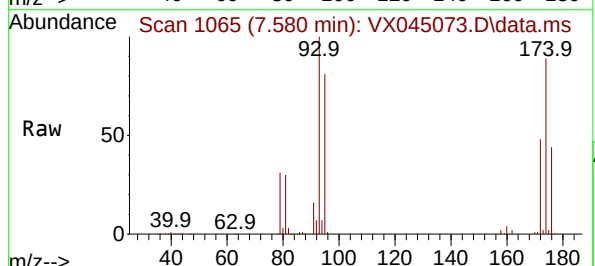
Tgt Ion: 93 Resp: 142119

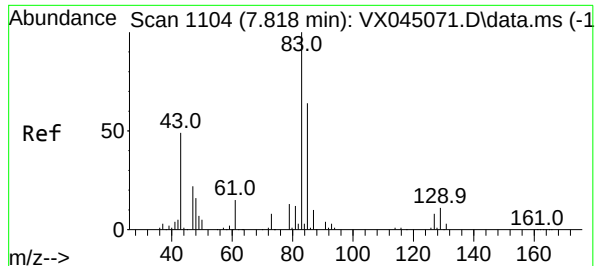
Ion Ratio Lower Upper

93 100

95 82.6 65.8 98.8

174 88.2 72.2 108.2





#47

Bromodichloromethane

Concen: 160.492 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 28025

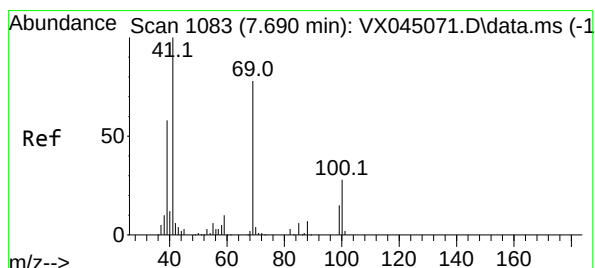
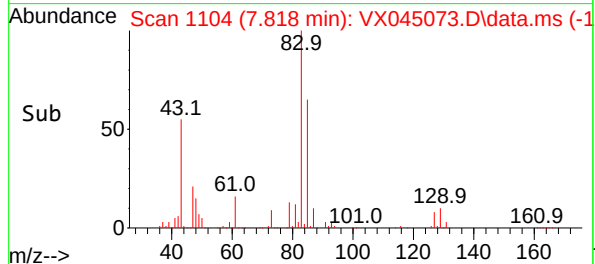
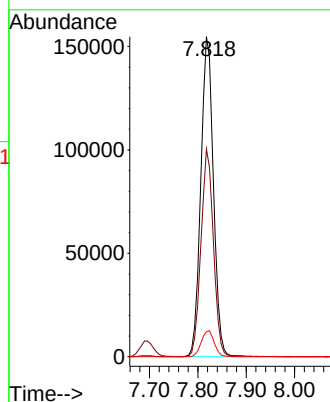
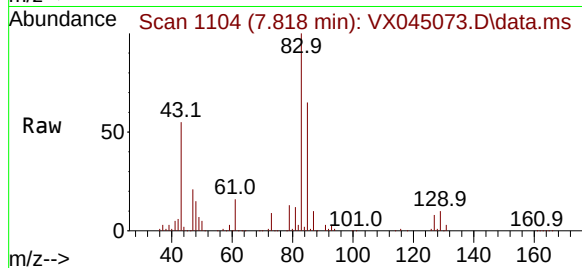
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.1	76.7
127	7.8	6.4	9.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#48

Methyl methacrylate

Concen: 176.370 ug/l

RT: 7.696 min Scan# 1084

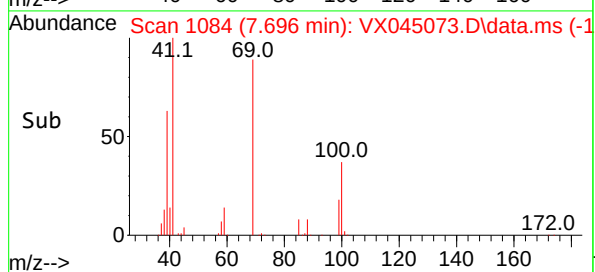
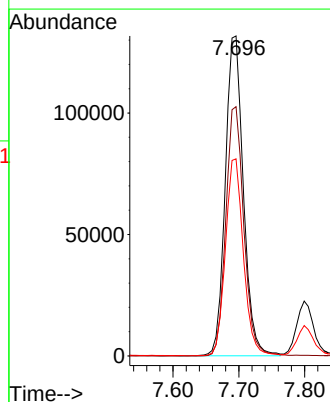
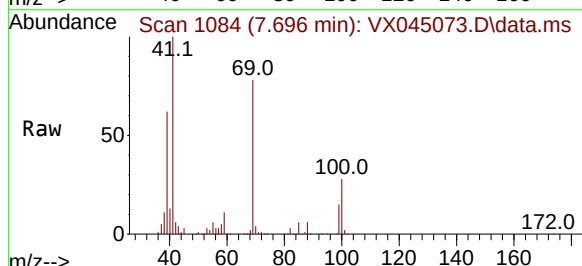
Delta R.T. 0.006 min

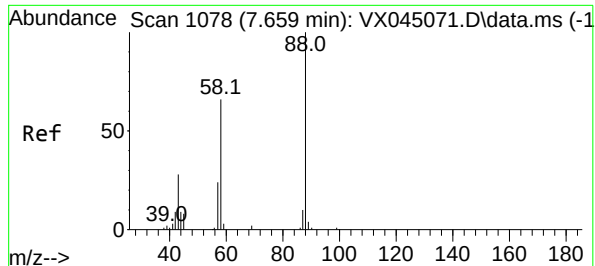
Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Tgt Ion: 41 Resp: 252275

Ion	Ratio	Lower	Upper
41	100		
69	78.1	63.0	94.6
39	61.1	47.5	71.3





#49

1,4-Dioxane

Concen: 3166.423 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 88 Resp: 96268

Ion Ratio Lower Upper

88 100

43 37.0 28.7 43.1

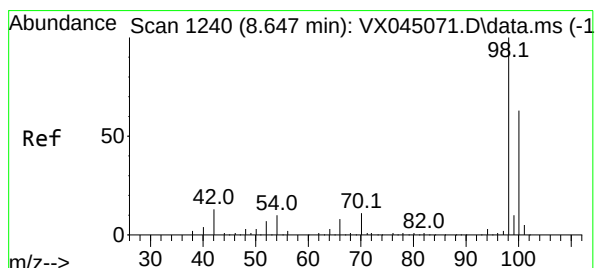
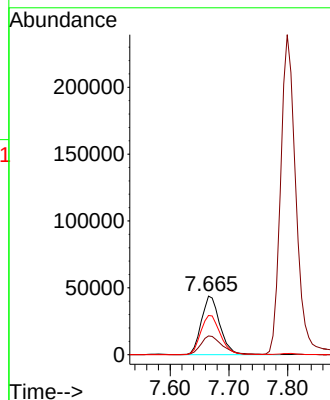
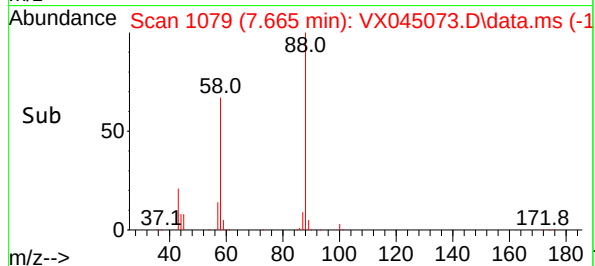
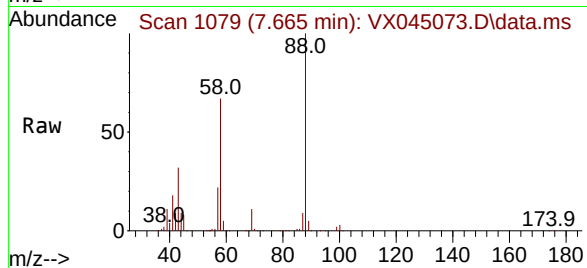
58 70.8 55.8 83.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#50

Toluene-d8

Concen: 147.538 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045073.D

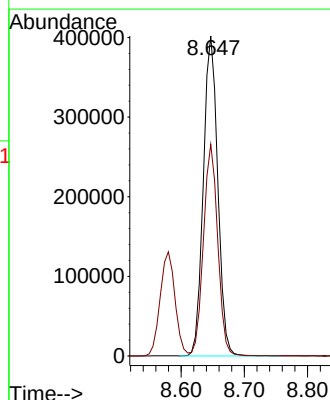
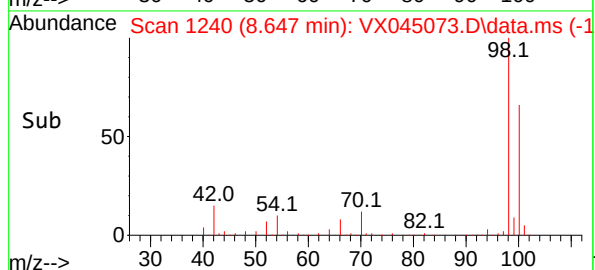
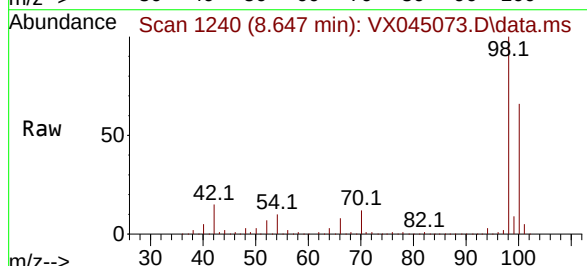
Acq: 28 Feb 2025 03:47

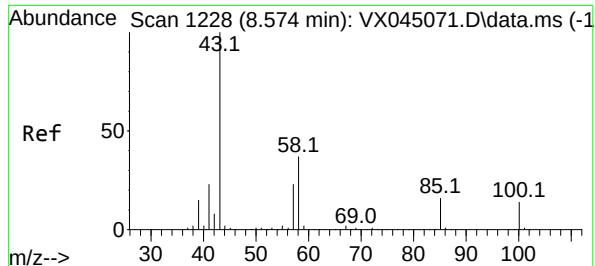
Tgt Ion: 98 Resp: 638979

Ion Ratio Lower Upper

98 100

100 65.4 52.0 78.0





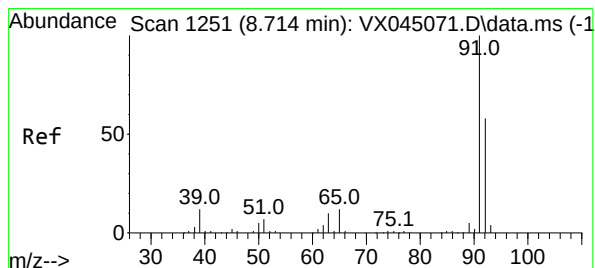
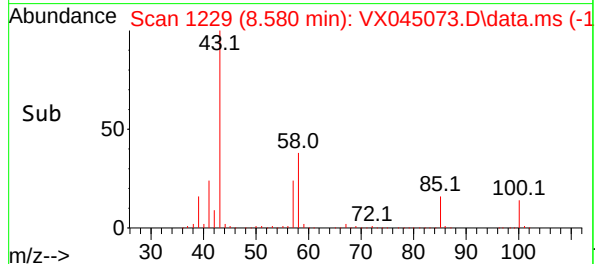
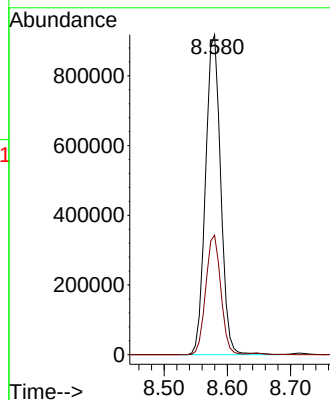
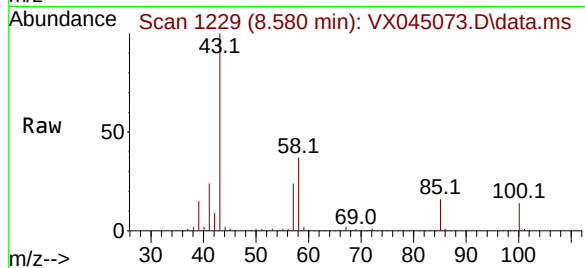
#51
4-Methyl-2-Pentanone
Concen: 832.051 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 153615
Ion Ratio Lower Upper
43 100
58 37.1 29.2 43.8

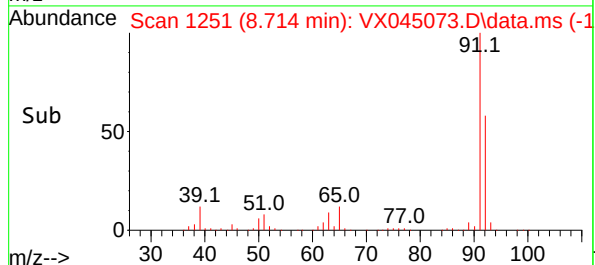
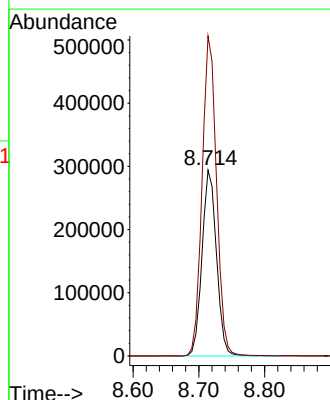
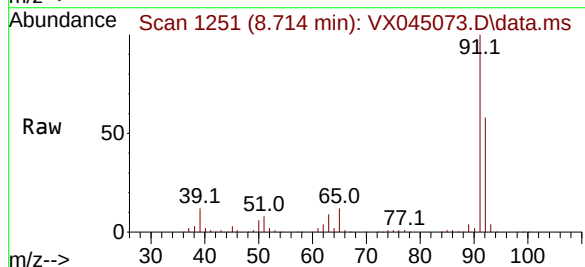
Manual Integrations
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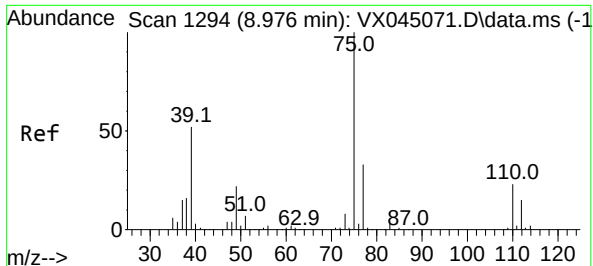
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#52
Toluene
Concen: 145.321 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 92 Resp: 448664
Ion Ratio Lower Upper
92 100
91 172.3 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 154.373 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 26644

Ion Ratio Lower Upper

75 100

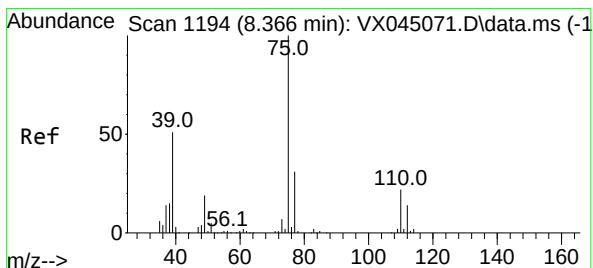
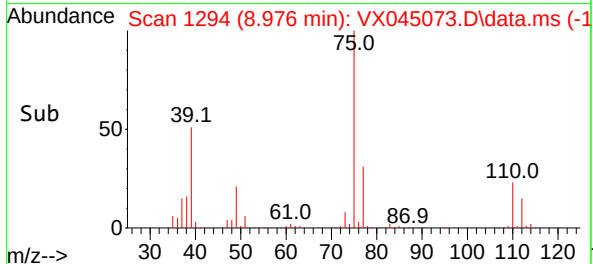
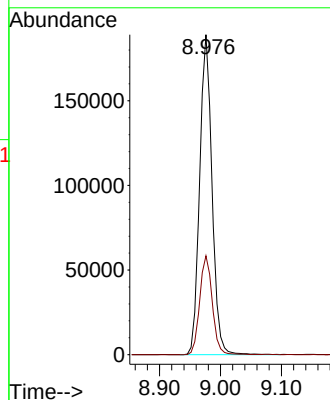
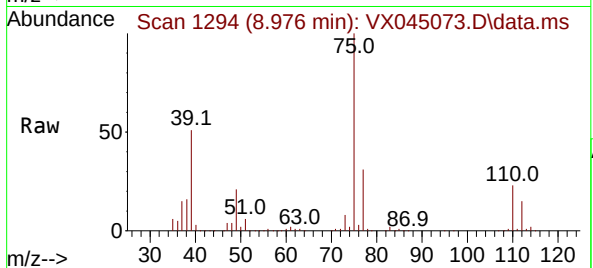
77 30.9 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#54

cis-1,3-Dichloropropene

Concen: 152.117 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

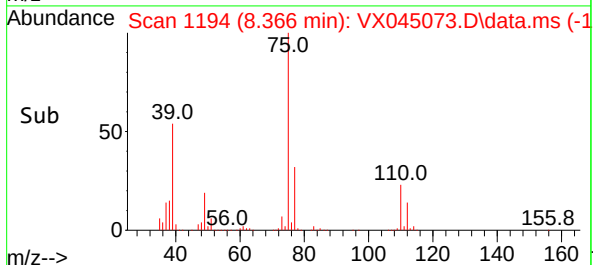
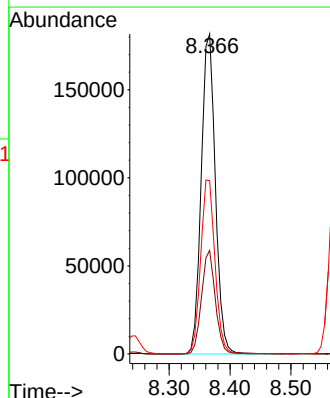
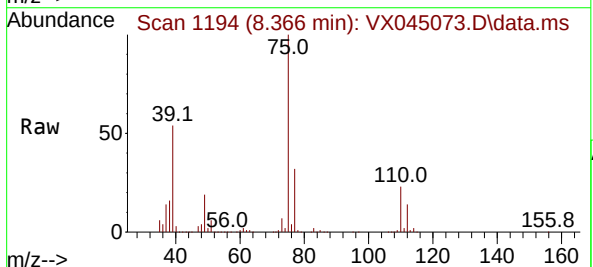
Tgt Ion: 75 Resp: 293521

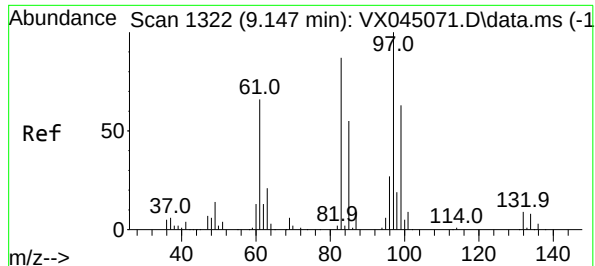
Ion Ratio Lower Upper

75 100

77 32.3 24.7 37.1

39 54.0 40.7 61.1





#55

1,1,2-Trichloroethane

Concen: 149.046 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 17821

Ion Ratio Lower Upper

97 100

83 87.8 69.4 104.2

85 57.8 44.1 66.1

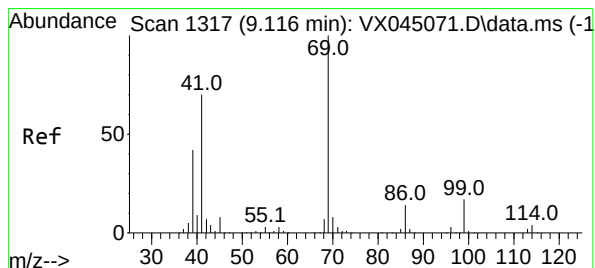
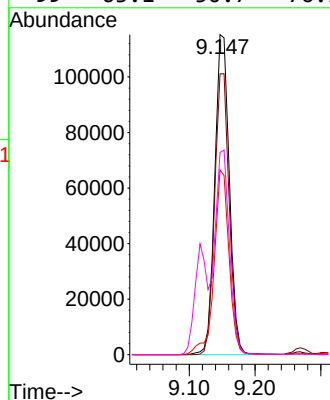
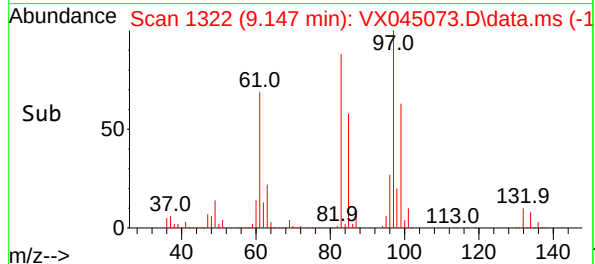
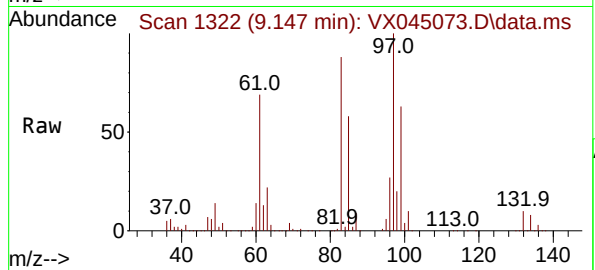
99 63.1 50.7 76.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#56

Ethyl methacrylate

Concen: 162.631 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

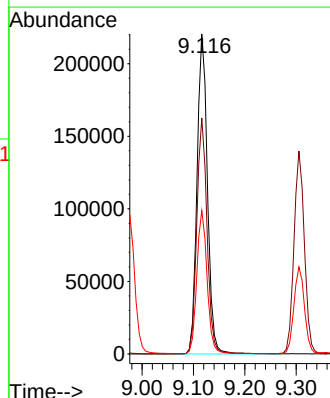
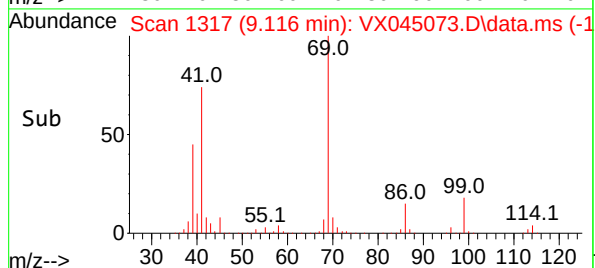
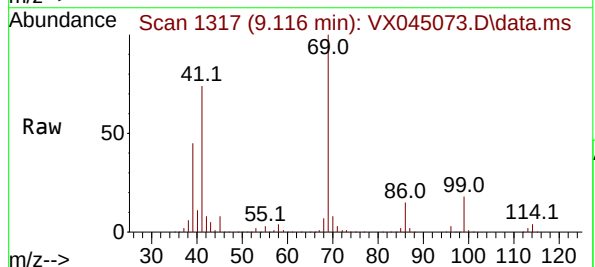
Tgt Ion: 69 Resp: 310992

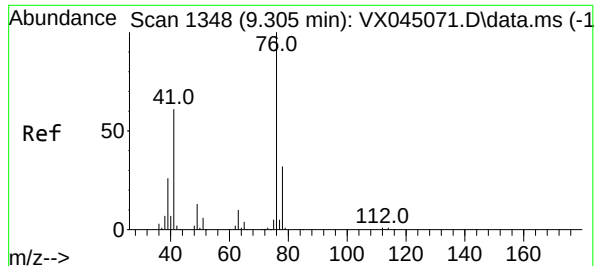
Ion Ratio Lower Upper

69 100

41 72.6 57.0 85.4

39 44.2 34.2 51.4





#57

1,3-Dichloropropane

Concen: 149.699 ug/l

RT: 9.305 min Scan# 1119

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 312190

Ion Ratio Lower Upper

76 100

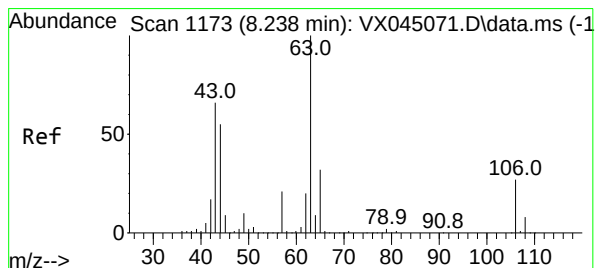
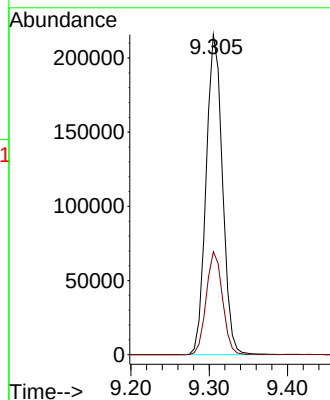
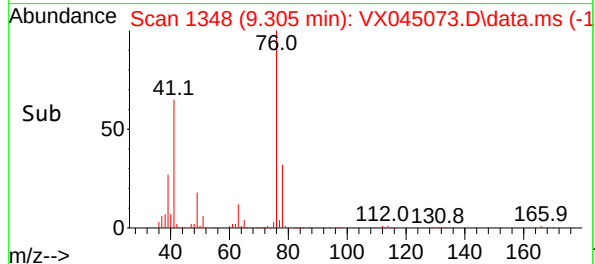
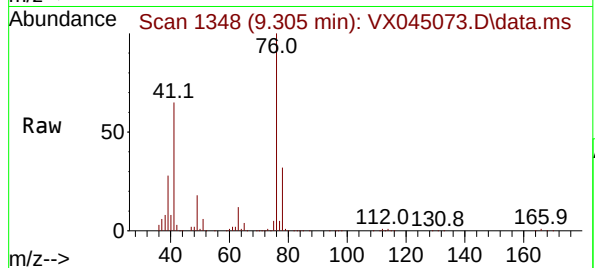
78 32.0 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#58

2-Chloroethyl Vinyl ether

Concen: 764.019 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX045073.D

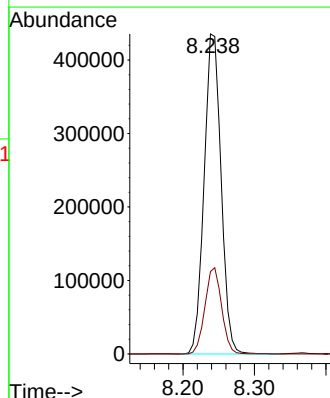
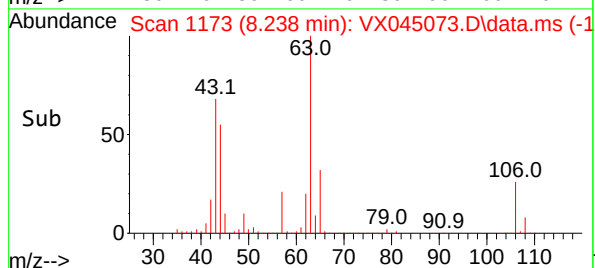
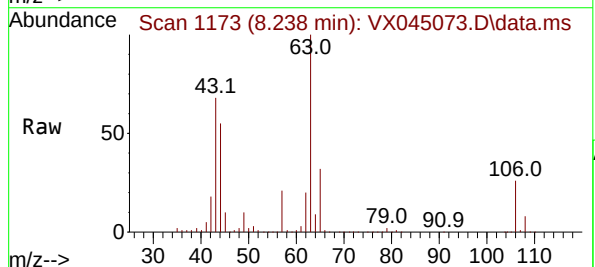
Acq: 28 Feb 2025 03:47

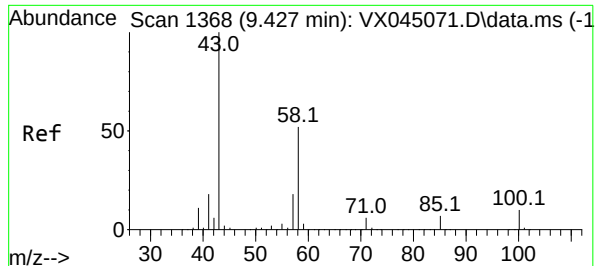
Tgt Ion: 63 Resp: 717328

Ion Ratio Lower Upper

63 100

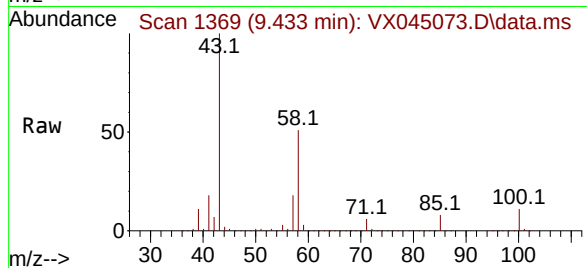
106 26.5 21.5 32.3





#59
2-Hexanone
Concen: 868.492 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

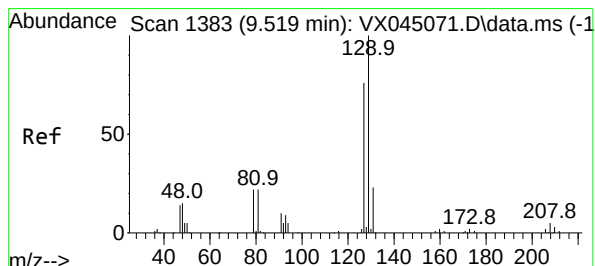
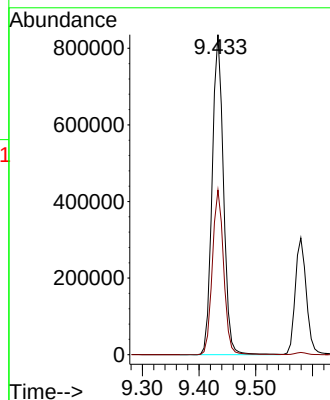
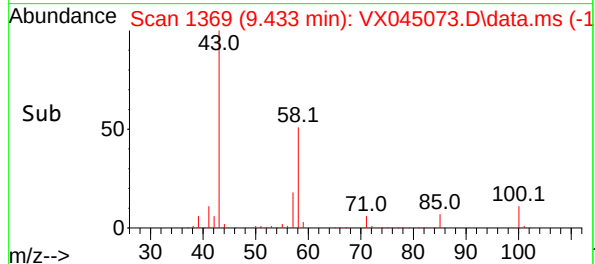
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion: 43 Resp: 115665
Ion Ratio Lower Upper
43 100
58 51.6 25.9 77.6

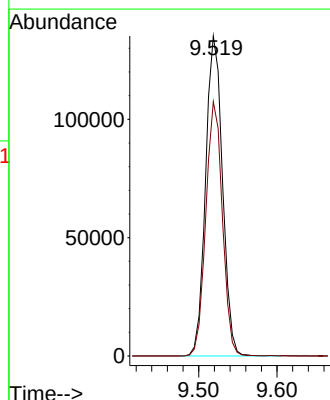
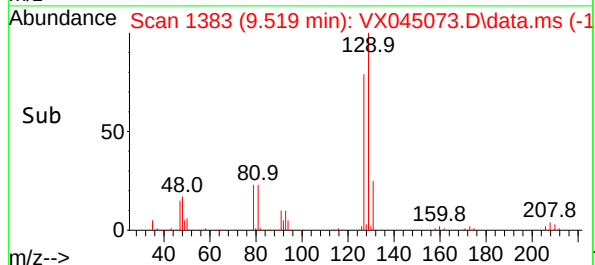
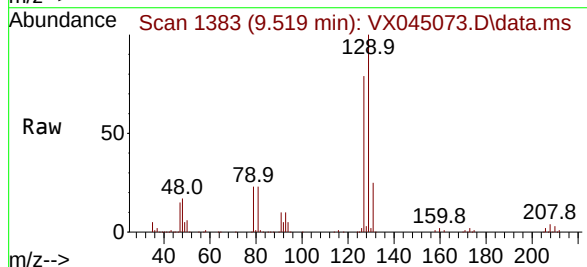
Manual Integrations
APPROVED

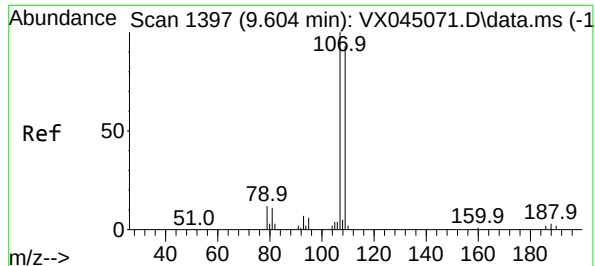
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#60
Dibromochloromethane
Concen: 158.276 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

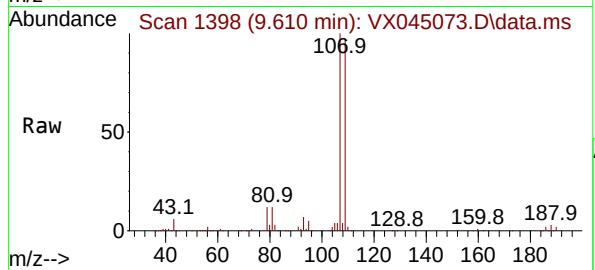
Tgt Ion:129 Resp: 201906
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.5





#61
1,2-Dibromoethane
Concen: 154.074 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

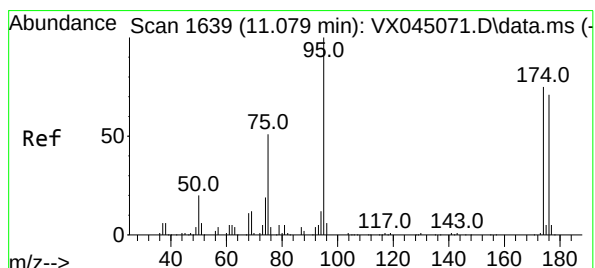
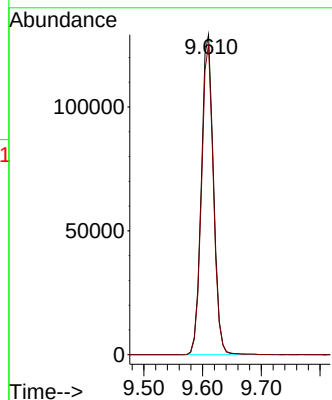
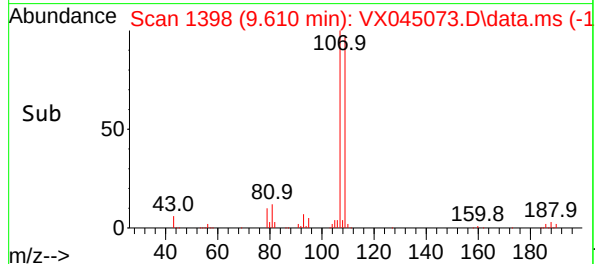
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion:107 Resp: 185828
Ion Ratio Lower Upper
107 100
109 95.2 76.1 114.1

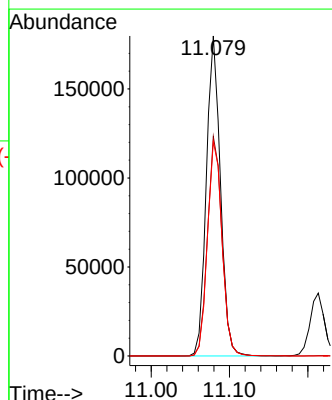
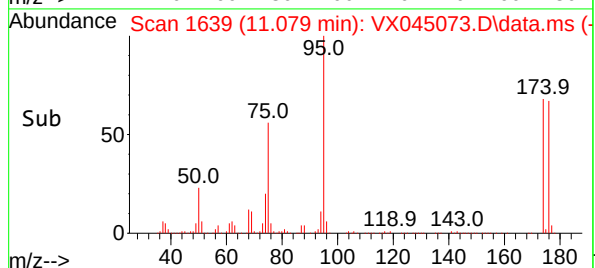
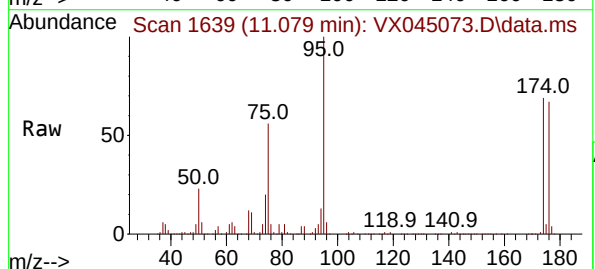
Manual Integrations
APPROVED

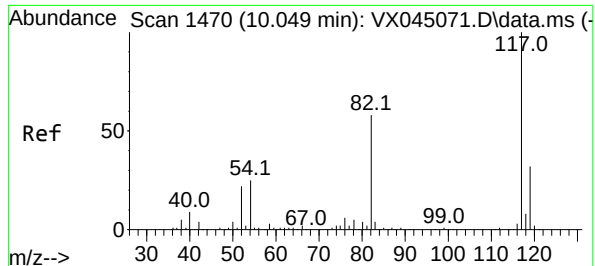
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#62
4-Bromofluorobenzene
Concen: 154.420 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 95 Resp: 223346
Ion Ratio Lower Upper
95 100
174 70.4 0.0 148.2
176 69.4 0.0 141.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:117 Resp: 15054

Ion Ratio Lower Upper

117 100

82 56.4 46.3 69.5

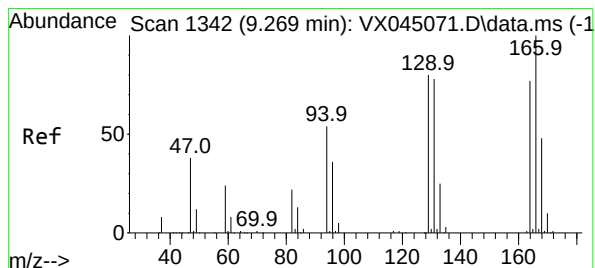
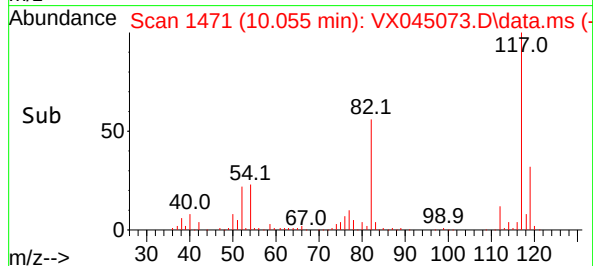
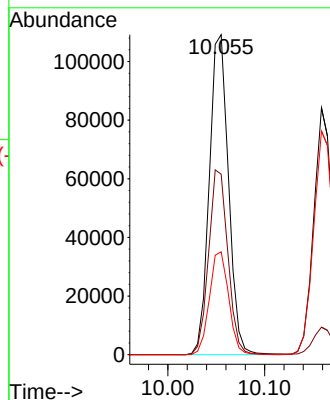
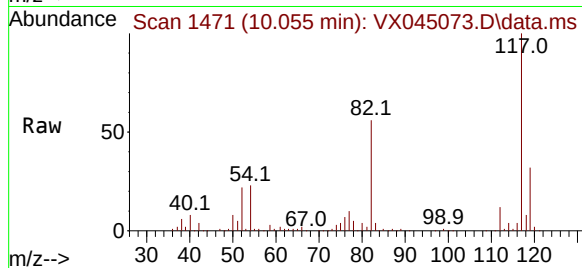
119 32.1 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#64

Tetrachloroethene

Concen: 145.906 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Tgt Ion:164 Resp: 139536

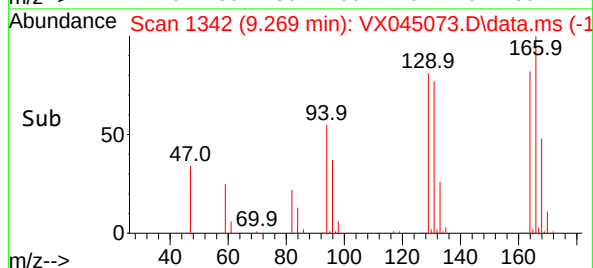
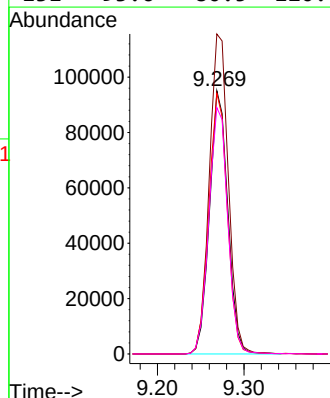
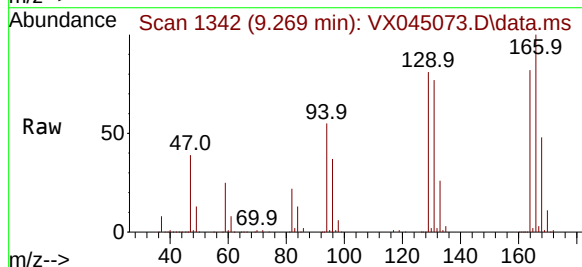
Ion Ratio Lower Upper

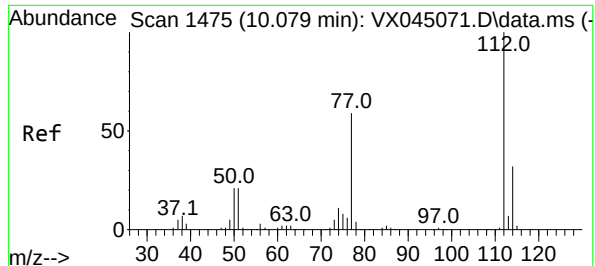
164 100

166 121.6 103.6 155.4

129 99.0 82.7 124.1

131 93.6 80.5 120.7





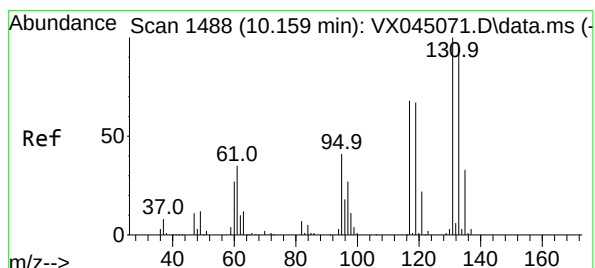
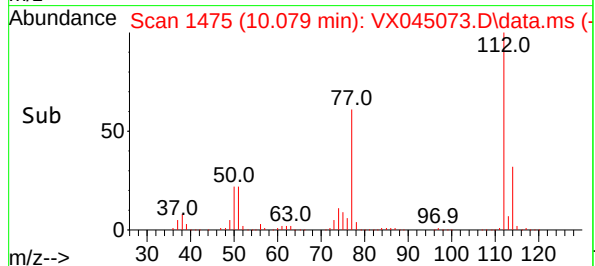
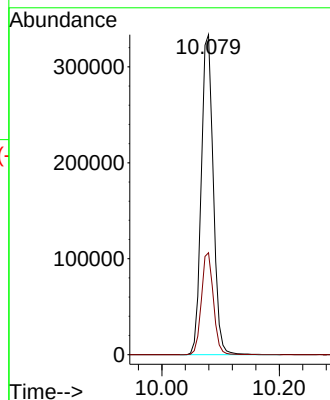
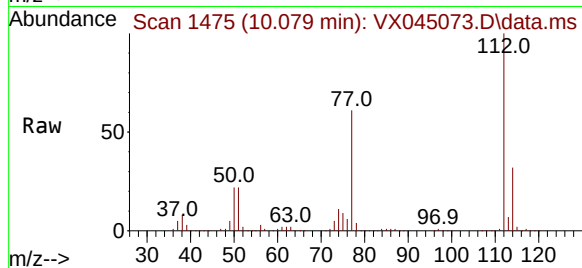
#65
Chlorobenzene
Concen: 146.096 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 472117
Ion Ratio Lower Upper
112 100
114 31.9 26.0 39.0

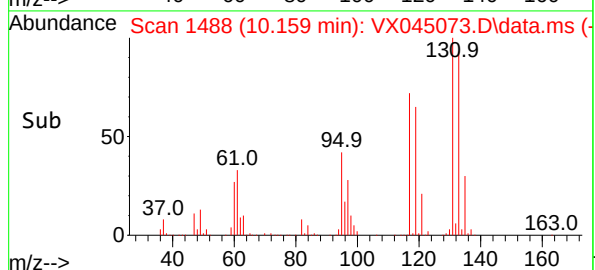
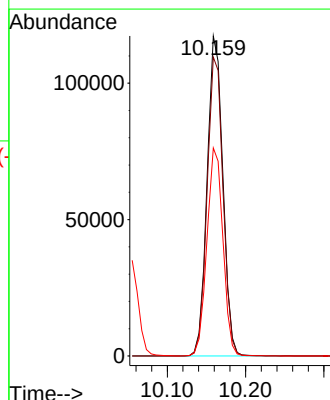
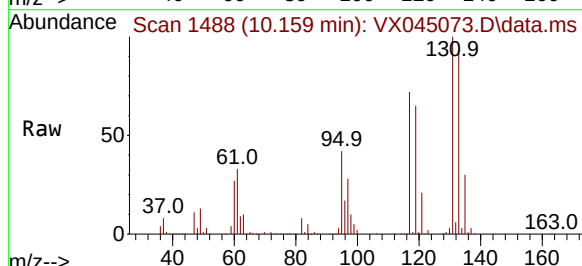
Manual Integrations
APPROVED

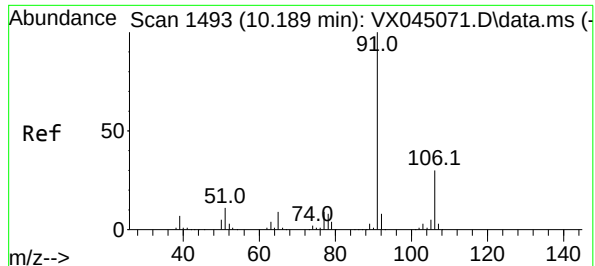
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 156.845 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

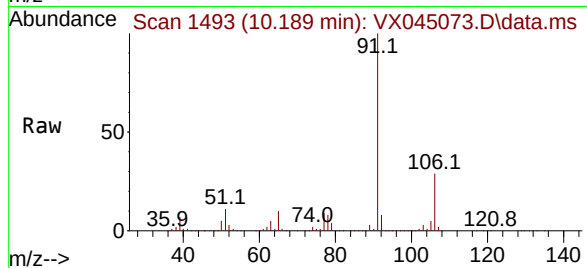
Tgt Ion:131 Resp: 163370
Ion Ratio Lower Upper
131 100
133 94.2 48.6 145.9
119 66.0 33.9 101.7





#67
Ethyl Benzene
Concen: 149.191 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

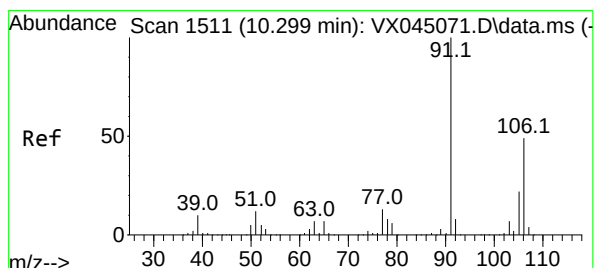
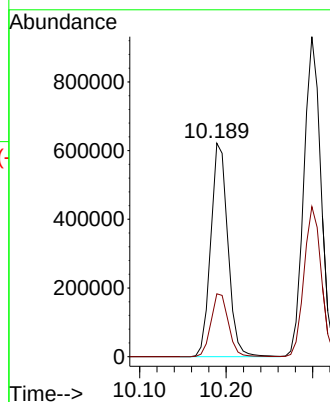
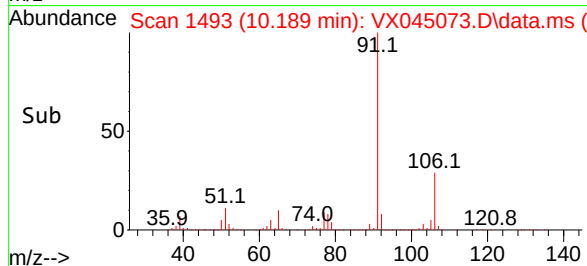
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion: 91 Resp: 852579
Ion Ratio Lower Upper
91 100
106 29.5 23.9 35.9

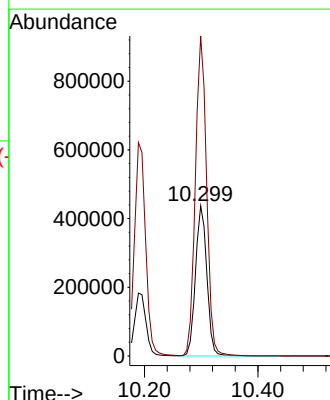
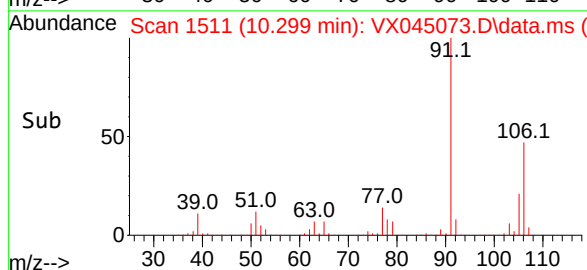
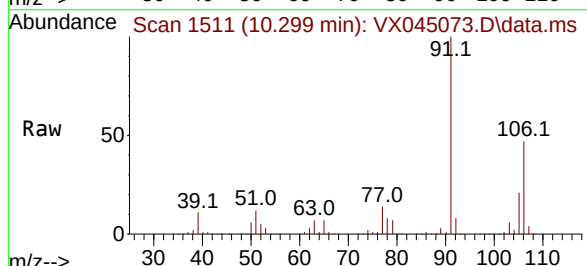
Manual Integrations
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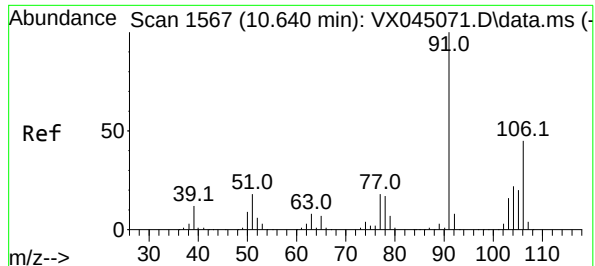
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#68
m/p-Xylenes
Concen: 288.655 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:106 Resp: 607523
Ion Ratio Lower Upper
106 100
91 211.2 165.4 248.0





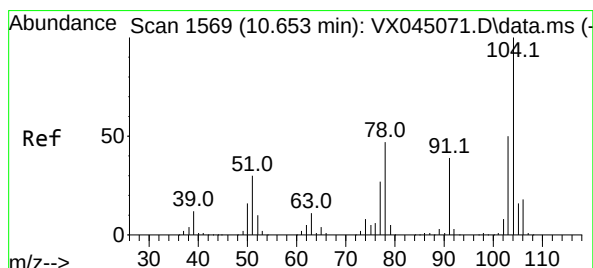
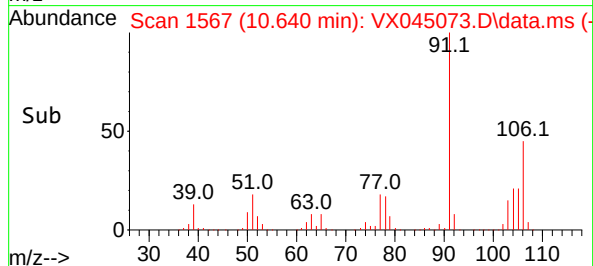
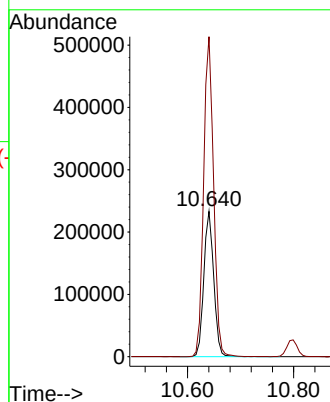
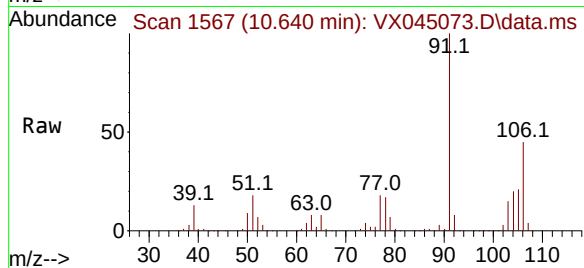
#69
o-Xylene
Concen: 143.259 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 302495
Ion Ratio Lower Upper
106 100
91 221.3 109.9 329.6

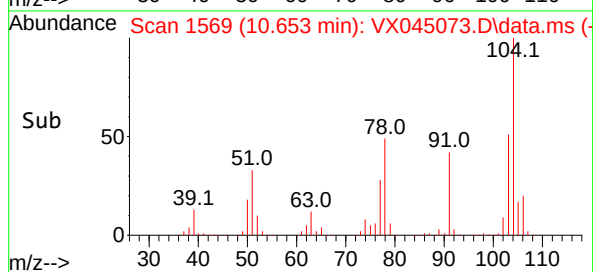
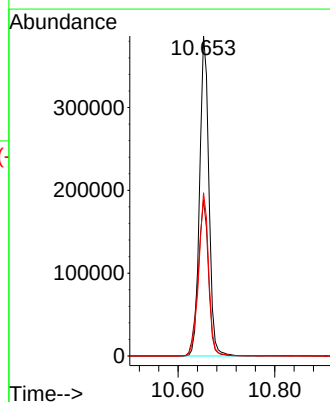
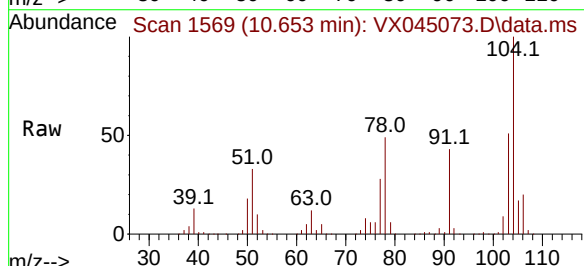
Manual Integrations
APPROVED

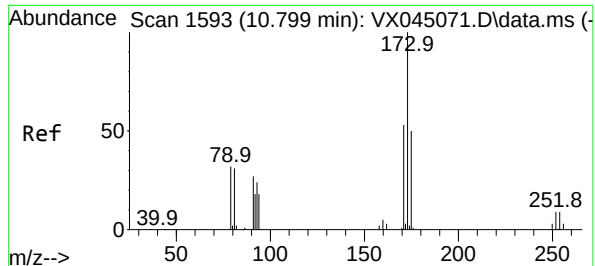
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#70
Styrene
Concen: 150.979 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

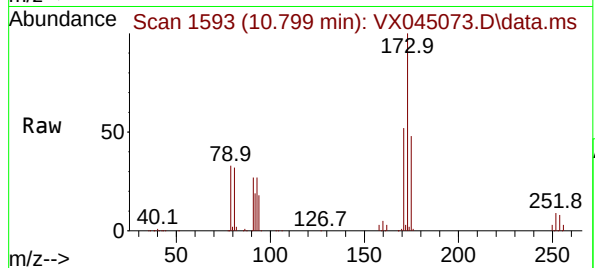
Tgt Ion:104 Resp: 512379
Ion Ratio Lower Upper
104 100
78 54.4 42.2 63.4
103 54.8 43.8 65.8





#71
Bromoform
Concen: 174.808 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

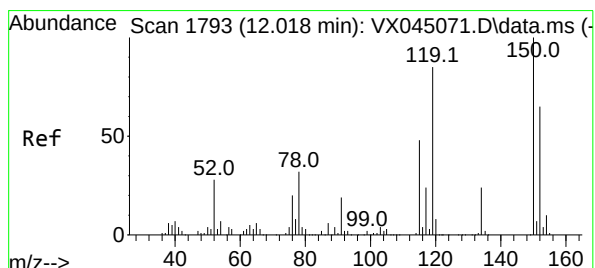
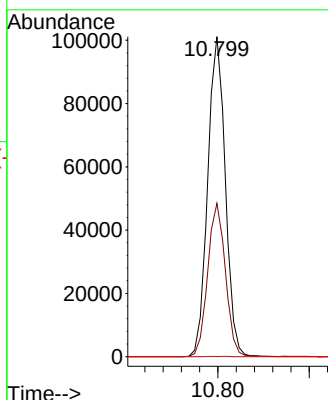
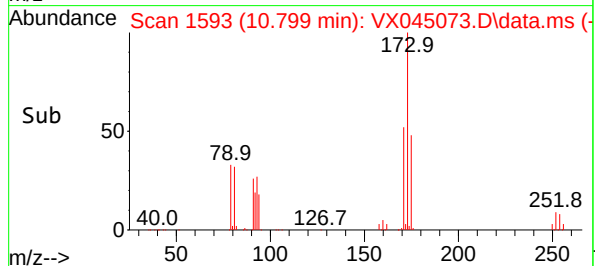
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion:173 Resp: 135388
Ion Ratio Lower Upper
173 100
175 48.3 24.6 73.6
254 0.1 0.0 0.0

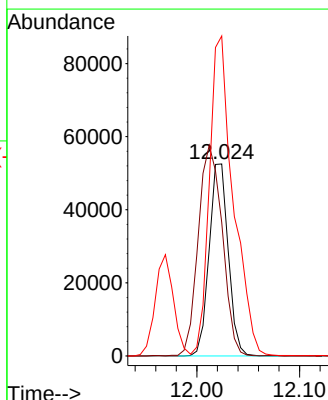
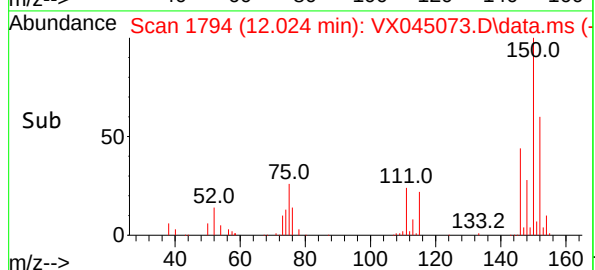
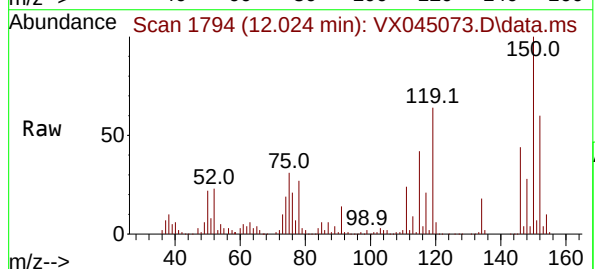
Manual Integrations
APPROVED

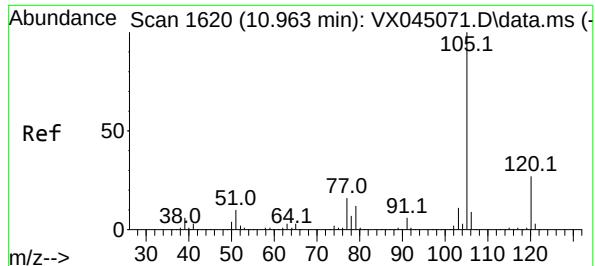
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

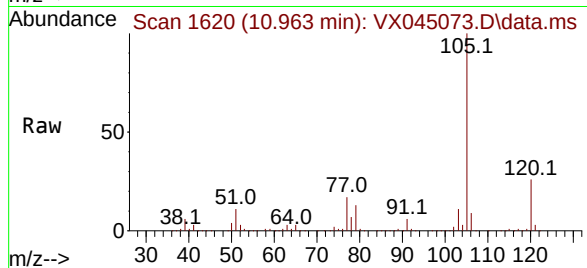
Tgt Ion:152 Resp: 67685
Ion Ratio Lower Upper
152 100
115 138.4 44.2 132.6#
150 208.8 0.0 349.0





#73
Isopropylbenzene
Concen: 142.719 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

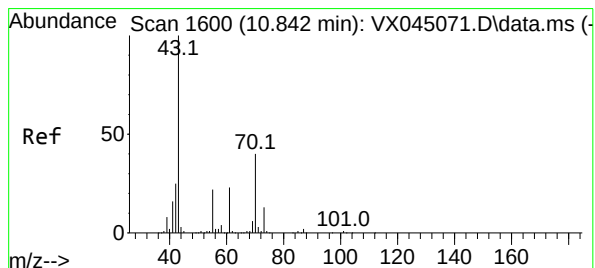
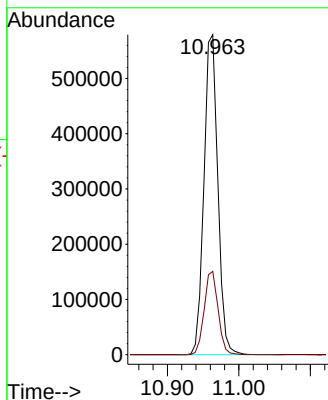
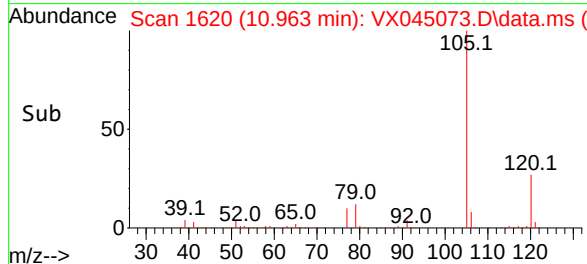
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion:105 Resp: 780700
Ion Ratio Lower Upper
105 100
120 26.0 13.2 39.5

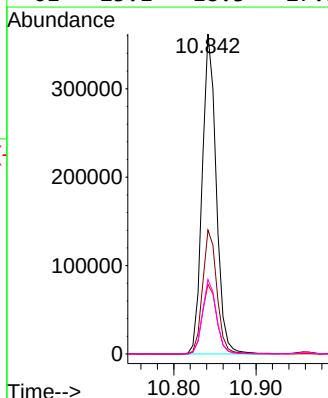
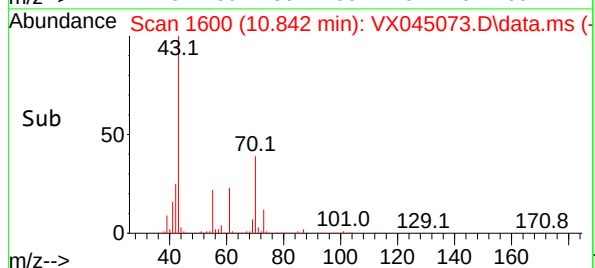
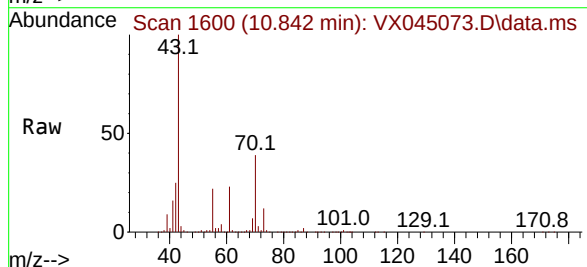
Manual Integrations
APPROVED

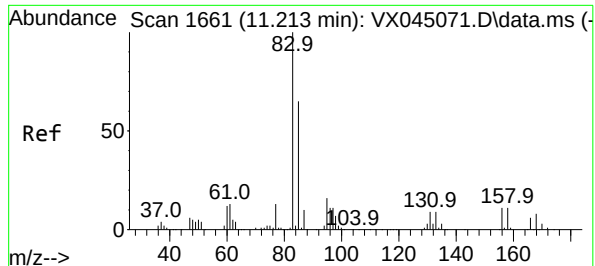
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#74
N-ethyl acetate
Concen: 173.042 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

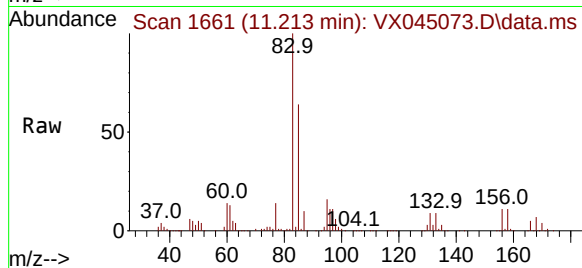
Tgt Ion: 43 Resp: 429686
Ion Ratio Lower Upper
43 100
70 39.6 31.8 47.6
55 22.5 18.3 27.5
61 23.1 18.3 27.5





#75
1,1,2,2-Tetrachloroethane
Concen: 150.458 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

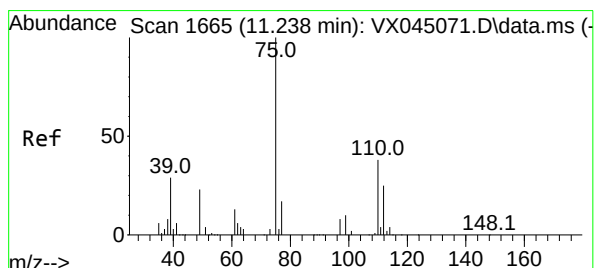
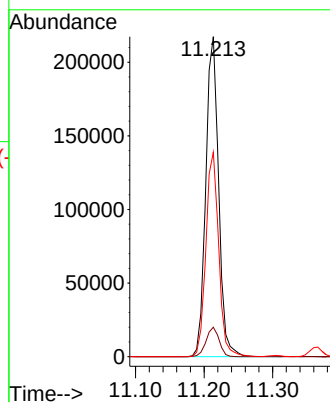
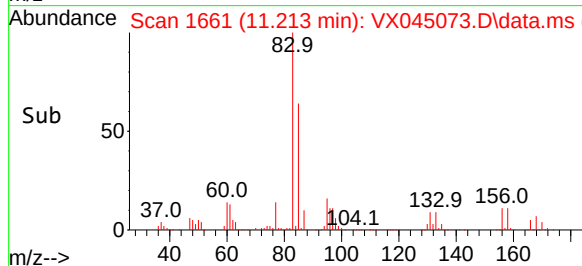
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion: 83 Resp: 283558
Ion Ratio Lower Upper
83 100
131 9.3 4.5 13.4
85 63.8 31.7 95.1

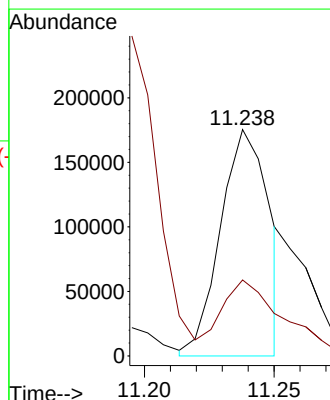
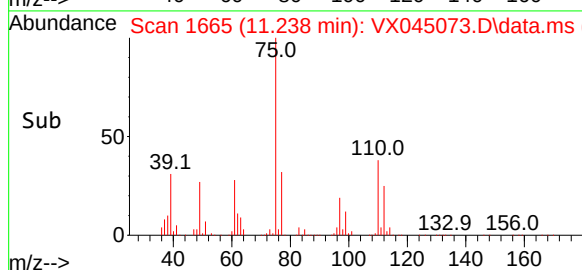
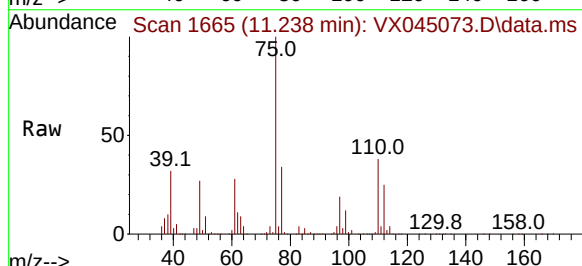
Manual Integrations
APPROVED

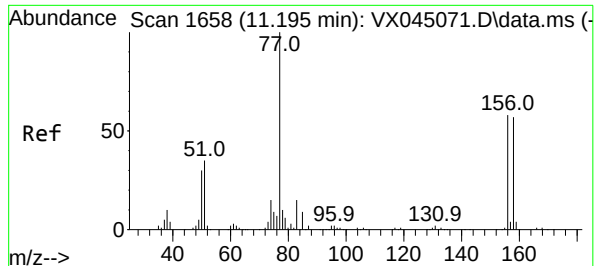
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#76
1,2,3-Trichloropropane
Concen: 151.960 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

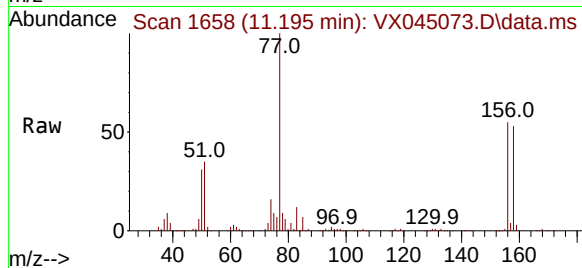
Tgt Ion: 75 Resp: 229435
Ion Ratio Lower Upper
75 100
77 43.2 20.7 62.1





#77
Bromobenzene
Concen: 145.760 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

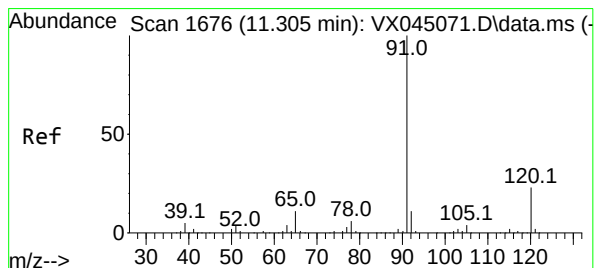
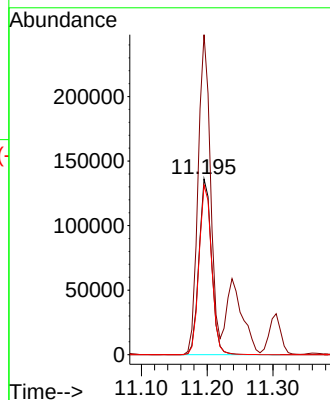
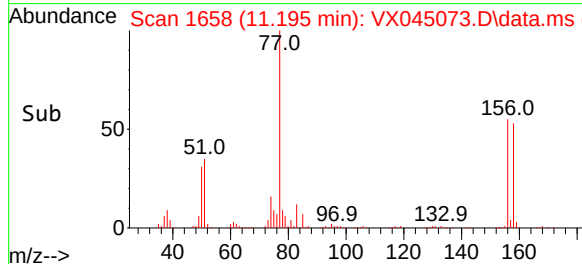
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



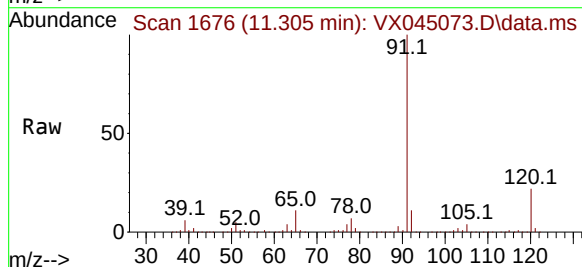
Tgt Ion:156 Resp: 180997
Ion Ratio Lower Upper
156 100
77 179.4 85.8 257.4
158 97.1 48.4 145.2

Manual Integrations
APPROVED

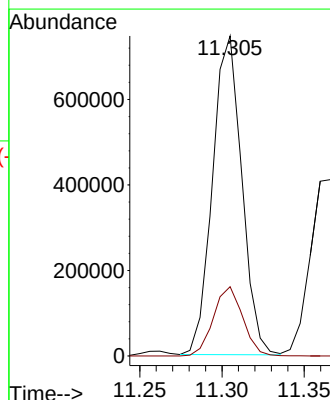
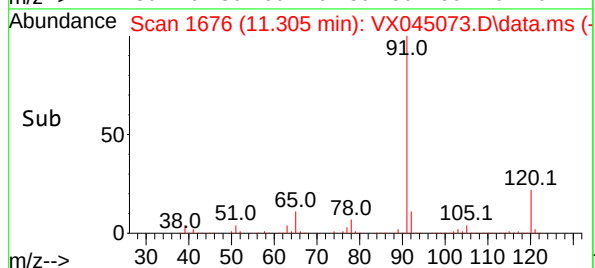
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

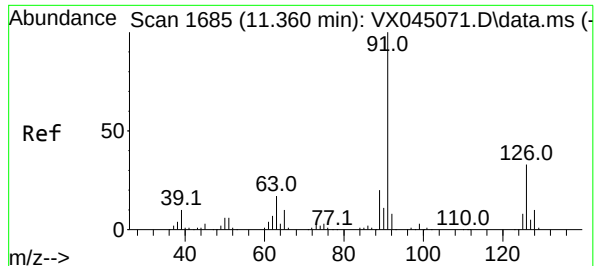


#78
n-propylbenzene
Concen: 146.395 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47



Tgt Ion: 91 Resp: 923593
Ion Ratio Lower Upper
91 100
120 21.8 11.2 33.6





#79

2-Chlorotoluene

Concen: 141.695 ug/l

RT: 11.366 min Scan# 1685

Delta R.T. 0.006 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 54869

Ion Ratio Lower Upper

91 100

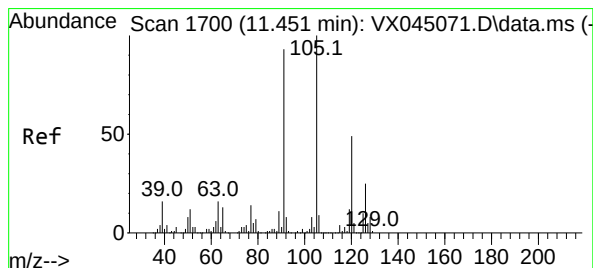
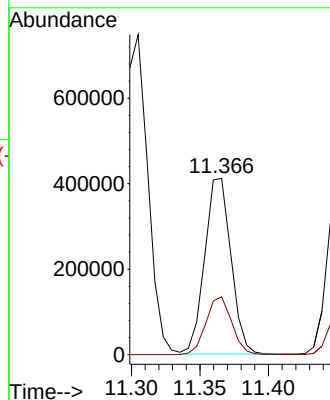
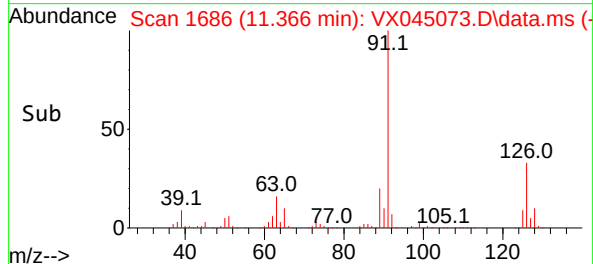
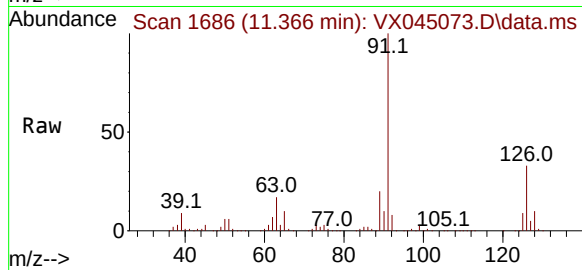
126 32.4 16.4 49.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#80

1,3,5-Trimethylbenzene

Concen: 143.293 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX045073.D

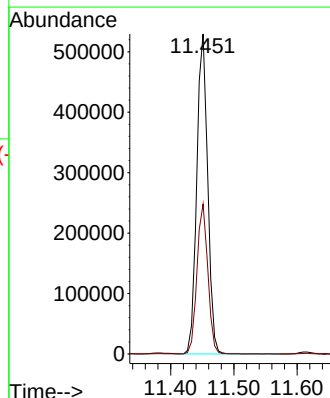
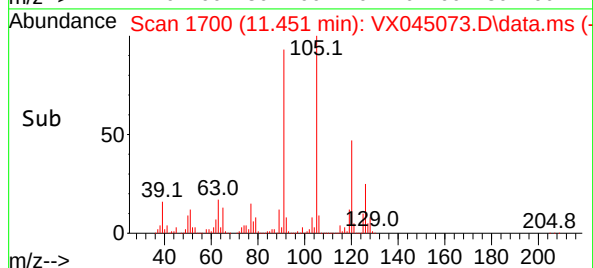
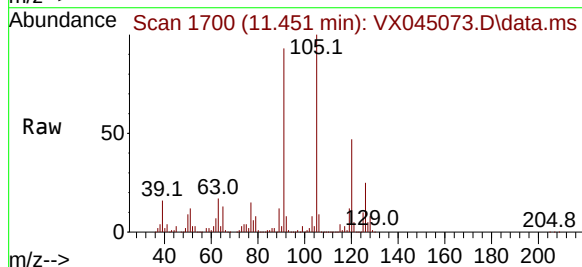
Acq: 28 Feb 2025 03:47

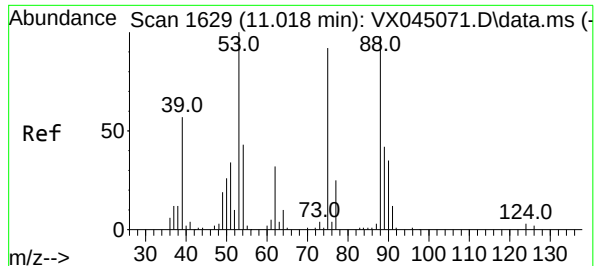
Tgt Ion:105 Resp: 635832

Ion Ratio Lower Upper

105 100

120 46.7 24.1 72.2





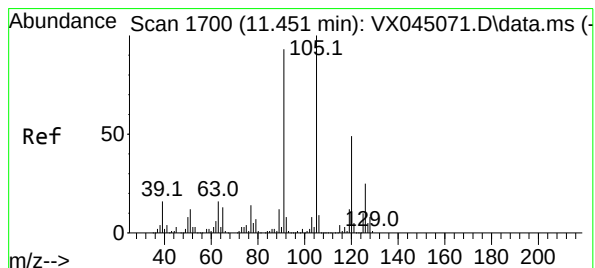
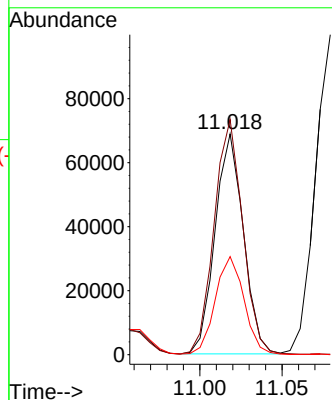
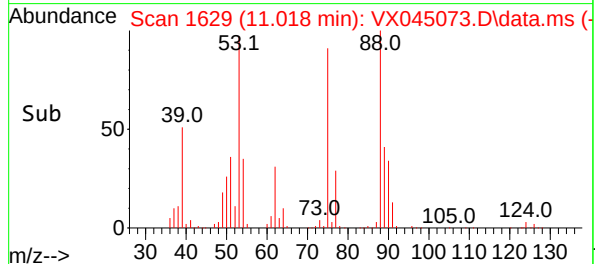
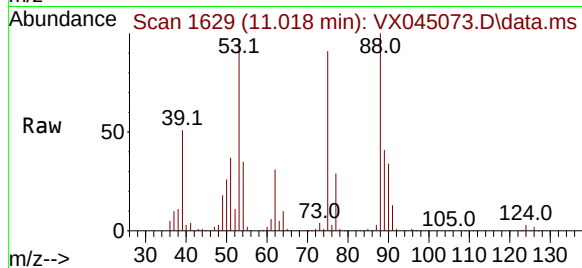
#81
trans-1,4-Dichloro-2-butene
Concen: 147.761 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 75 Resp: 8226
Ion Ratio Lower Upper
75 100
53 107.7 88.5 132.7
89 45.2 36.2 54.4

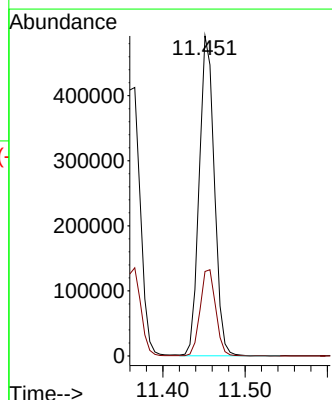
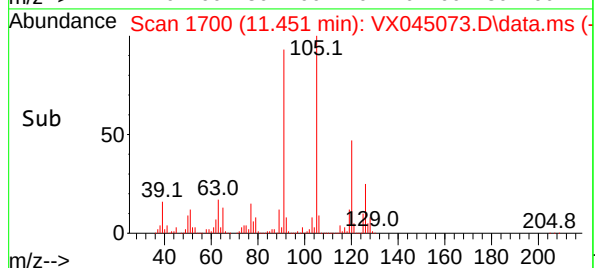
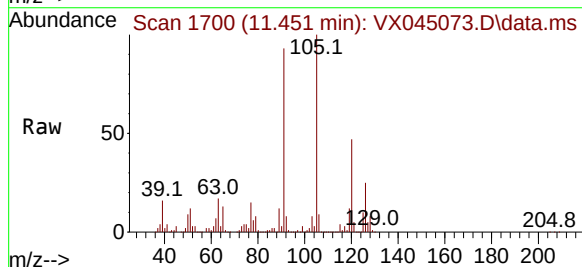
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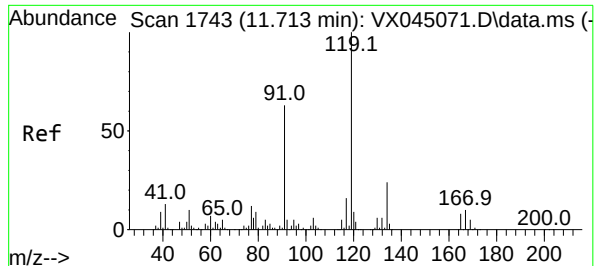
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#82
4-Chlorotoluene
Concen: 146.464 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 627816
Ion Ratio Lower Upper
91 100
126 27.8 14.1 42.4





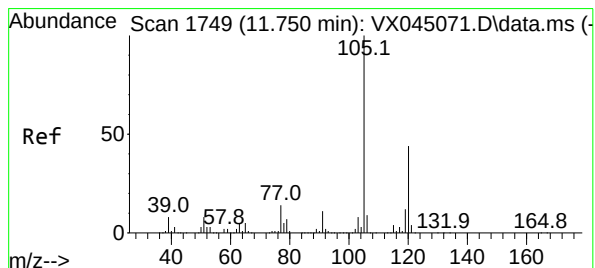
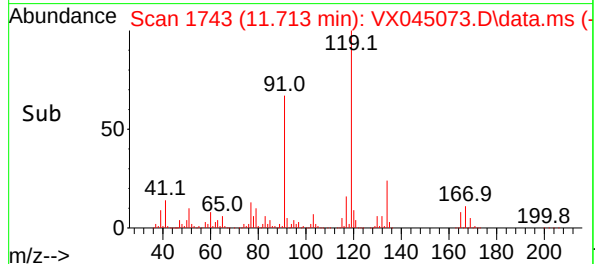
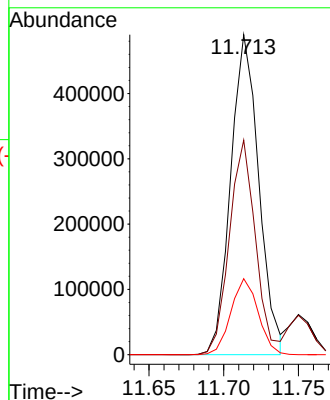
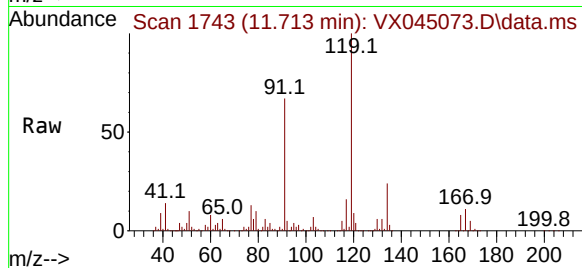
#83
tert-Butylbenzene
Concen: 142.974 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion:119 Resp: 641711
Ion Ratio Lower Upper
119 100
91 62.5 30.7 92.1
134 23.0 11.7 35.0

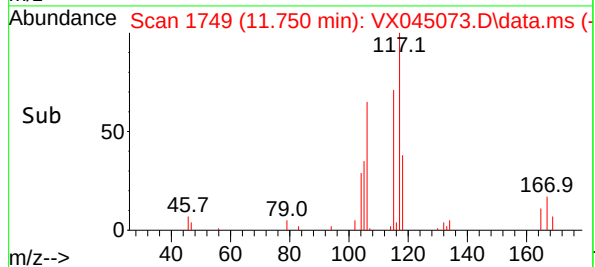
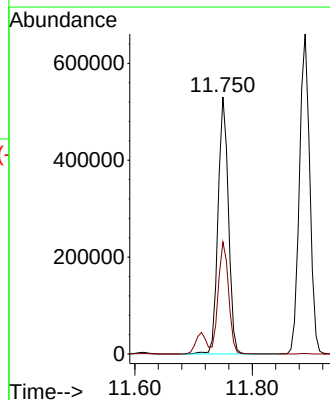
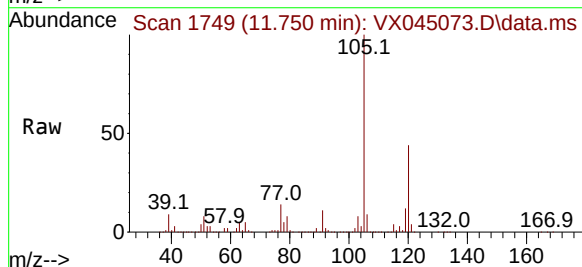
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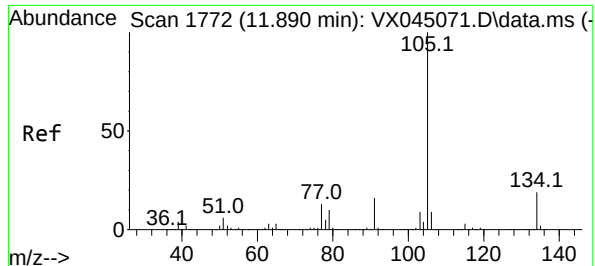
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#84
1,2,4-Trimethylbenzene
Concen: 148.135 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 647248
Ion Ratio Lower Upper
105 100
120 43.8 22.1 66.1





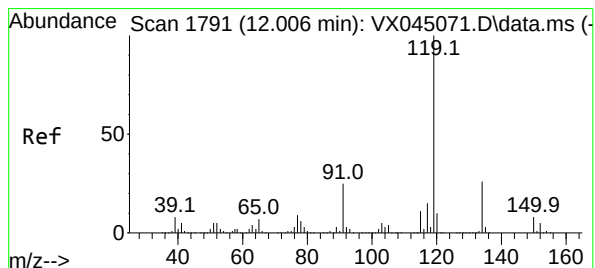
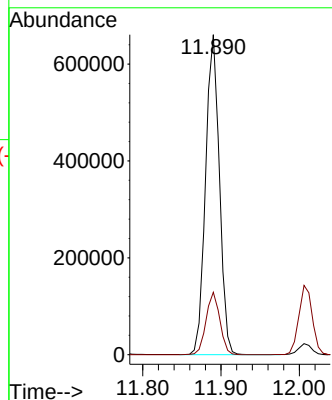
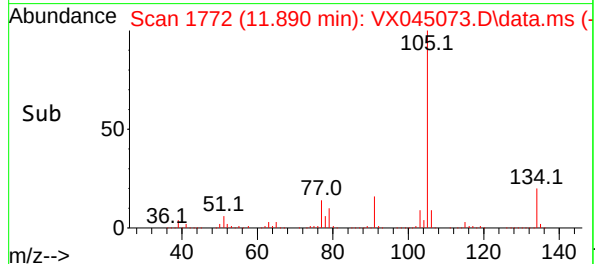
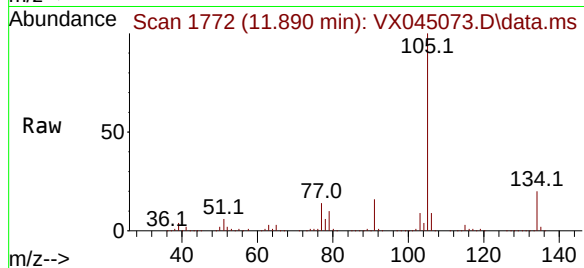
#85
sec-Butylbenzene
Concen: 145.383 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 80771
Ion Ratio Lower Upper
105 100
134 19.4 9.8 29.4

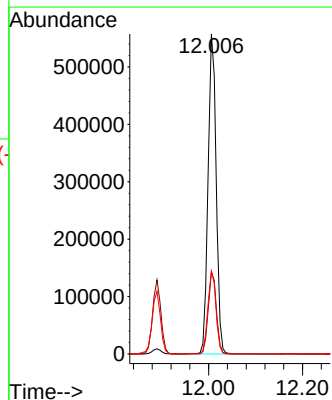
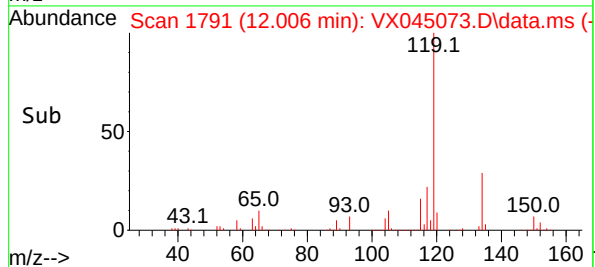
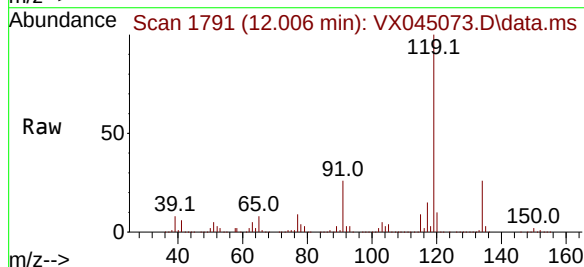
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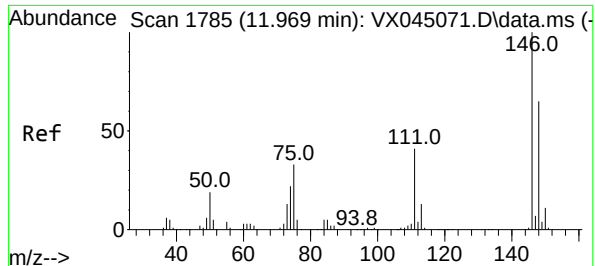
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#86
p-Isopropyltoluene
Concen: 149.075 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:119 Resp: 664916
Ion Ratio Lower Upper
119 100
134 25.7 12.9 38.6
91 25.8 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 147.488 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 33475

Ion Ratio Lower Upper

146 100

111 42.7 21.1 63.4

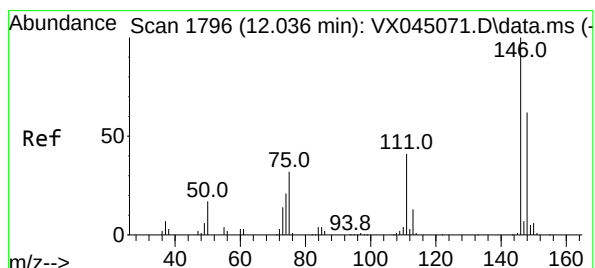
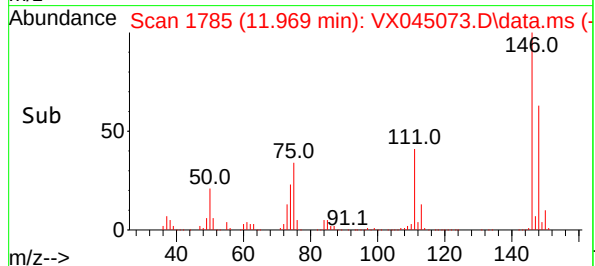
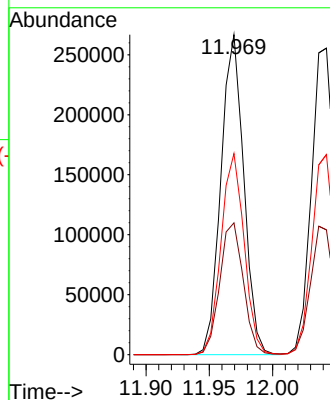
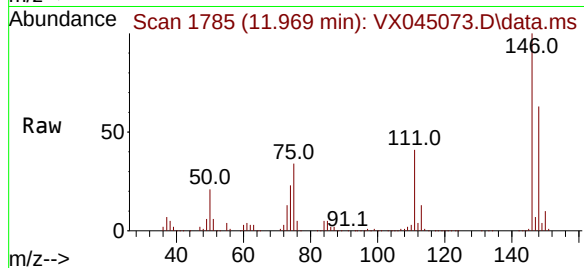
148 63.6 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#88

1,4-Dichlorobenzene

Concen: 145.189 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

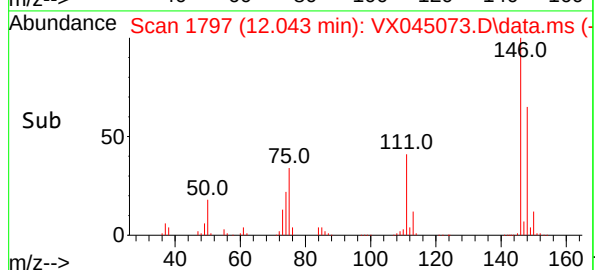
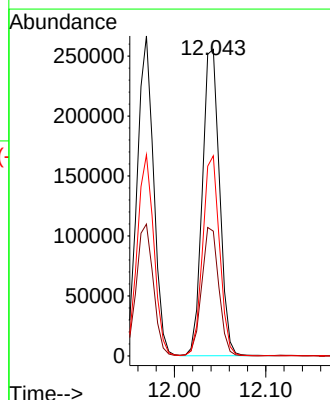
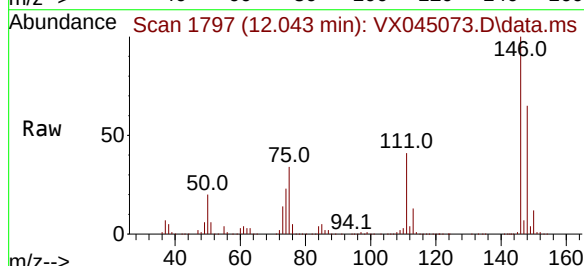
Tgt Ion:146 Resp: 333594

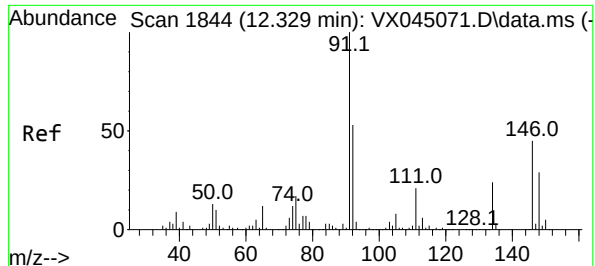
Ion Ratio Lower Upper

146 100

111 41.7 20.2 60.5

148 64.0 31.9 95.9





#89

n-Butylbenzene

Concen: 158.324 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 62075

Ion Ratio Lower Upper

91 100

92 53.9 26.7 80.0

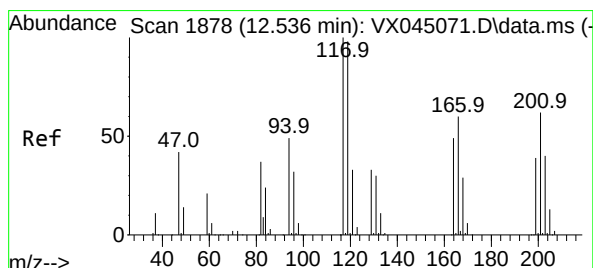
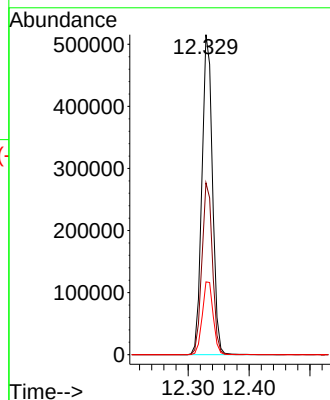
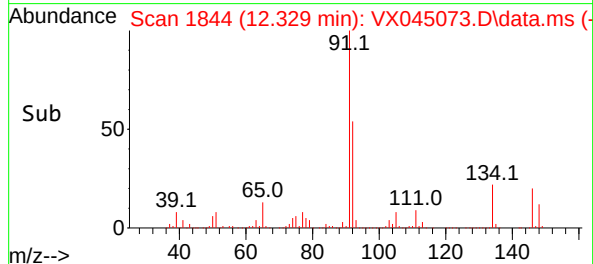
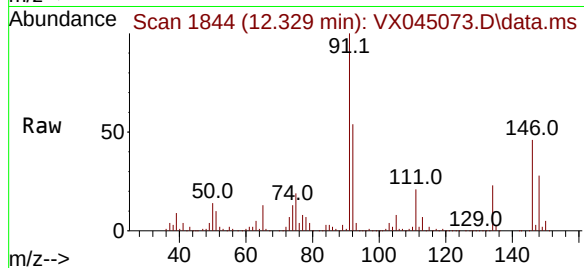
134 23.6 12.2 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#90

Hexachloroethane

Concen: 154.554 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX045073.D

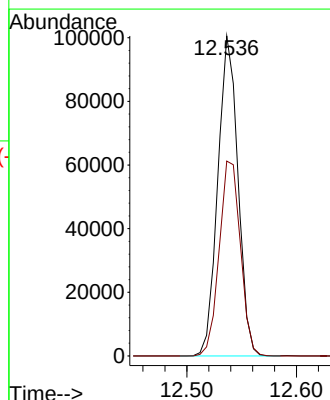
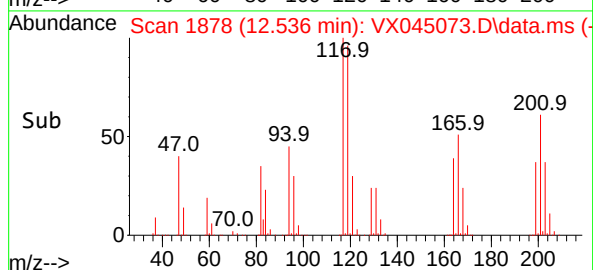
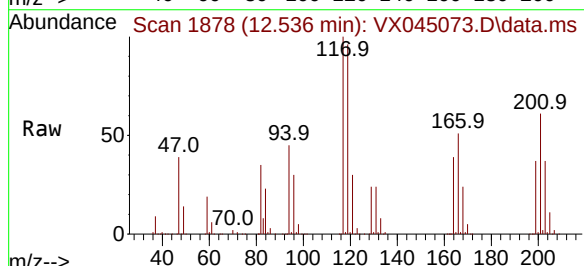
Acq: 28 Feb 2025 03:47

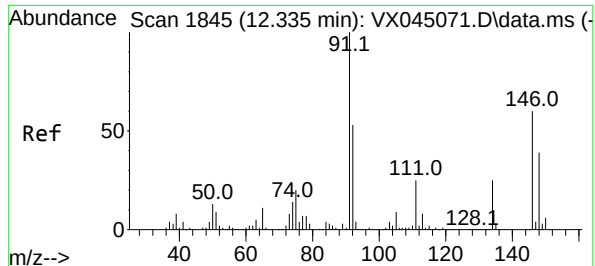
Tgt Ion:117 Resp: 128582

Ion Ratio Lower Upper

117 100

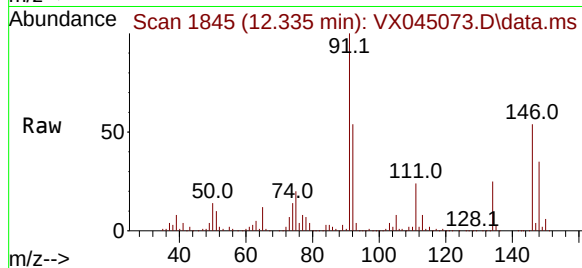
201 64.2 31.9 95.9





#91
1,2-Dichlorobenzene
Concen: 147.436 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

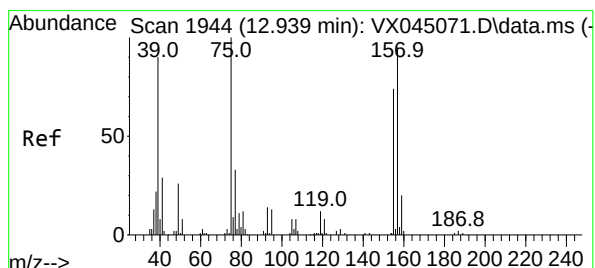
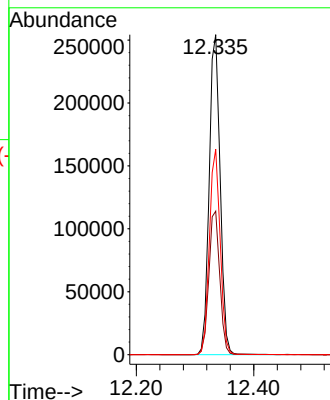
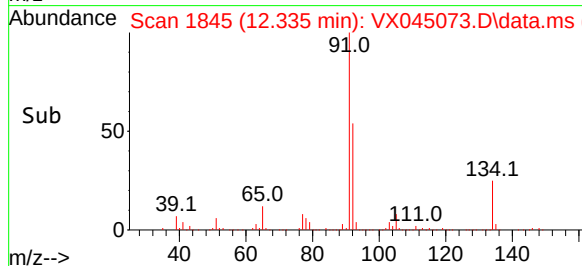
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion:146 Resp: 329318
Ion Ratio Lower Upper
146 100
111 44.9 21.6 65.0
148 63.4 31.9 95.9

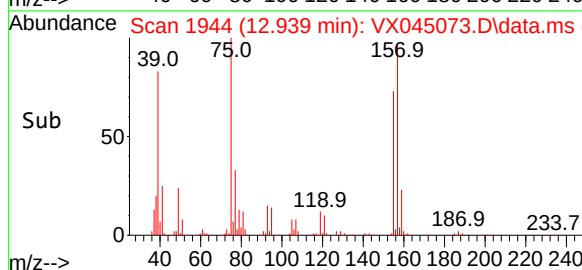
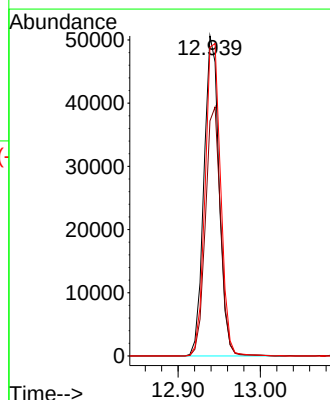
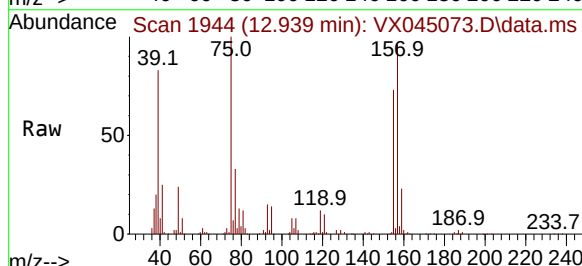
Manual Integrations
APPROVED

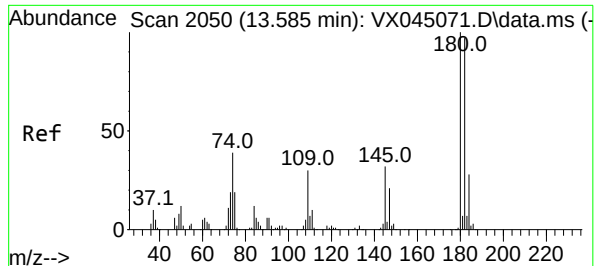
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 186.240 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 64958
Ion Ratio Lower Upper
75 100
155 77.9 39.6 118.7
157 100.1 51.1 153.4





#93

1,2,4-Trichlorobenzene

Concen: 162.416 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:180 Resp: 21931

Ion Ratio Lower Upper

180 100

182 95.6 47.3 141.9

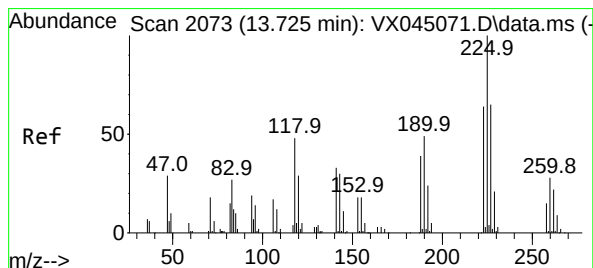
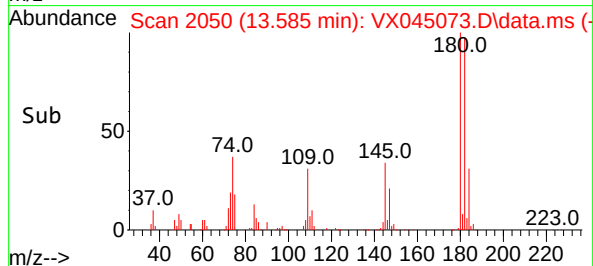
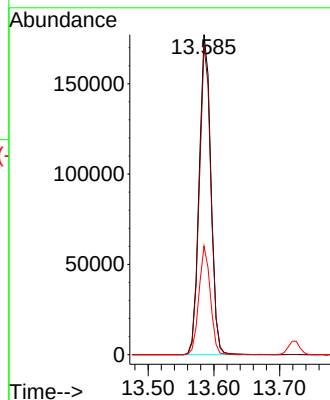
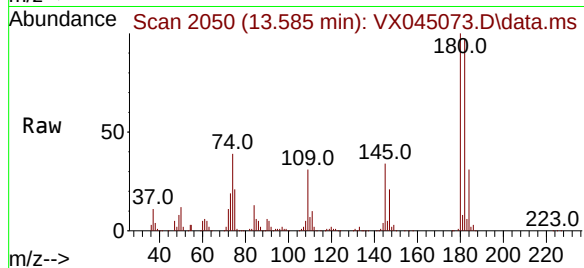
145 32.9 16.3 48.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#94

Hexachlorobutadiene

Concen: 149.034 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

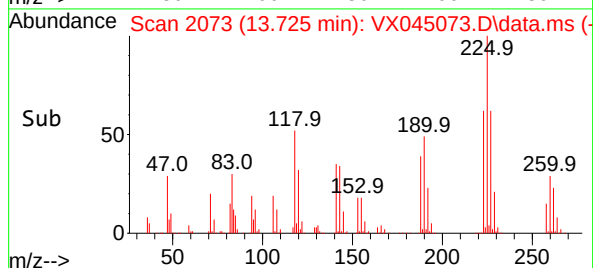
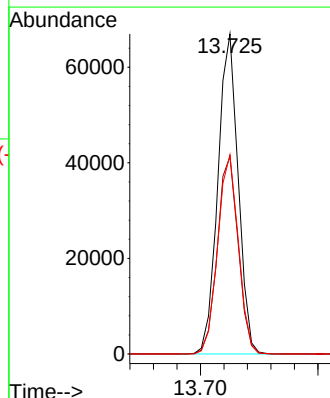
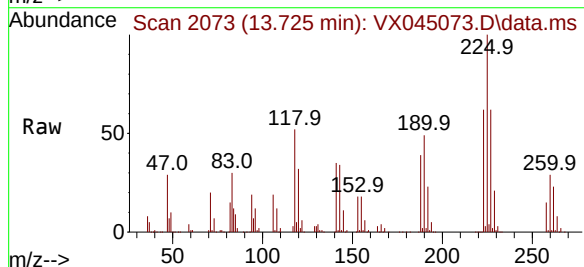
Tgt Ion:225 Resp: 80241

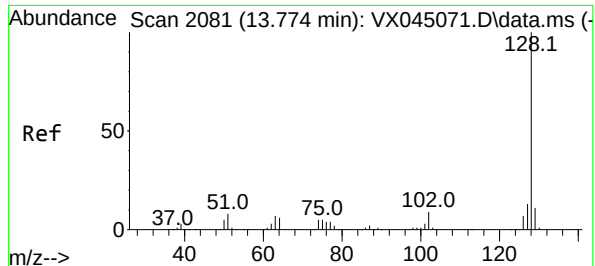
Ion Ratio Lower Upper

225 100

223 63.2 31.9 95.7

227 63.4 31.4 94.0





#95

Naphthalene

Concen: 168.538 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:128 Resp: 828949

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

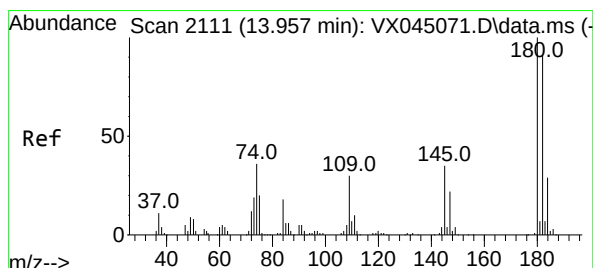
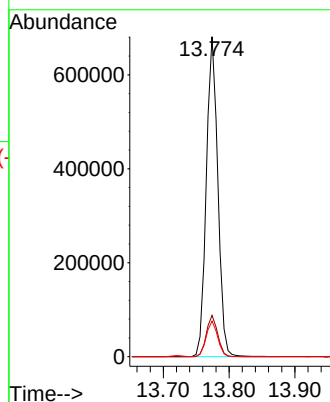
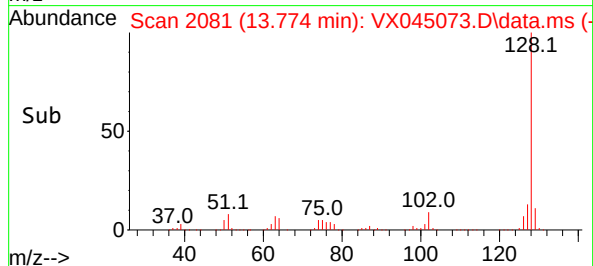
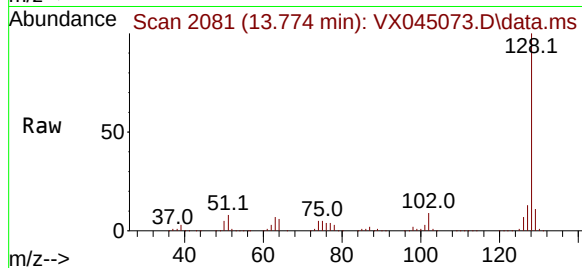
129 11.1 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#96

1,2,3-Trichlorobenzene

Concen: 162.727 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

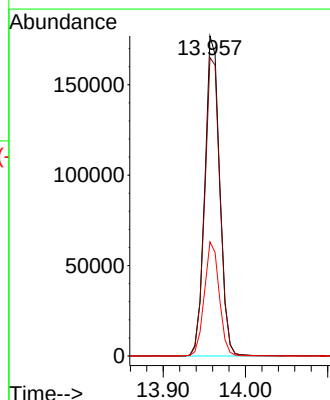
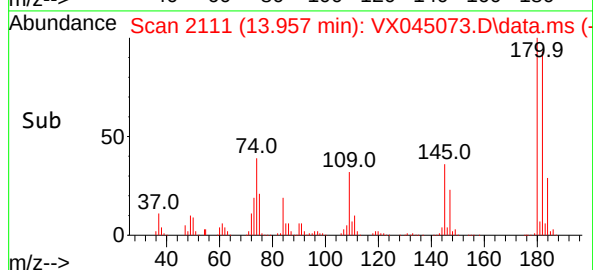
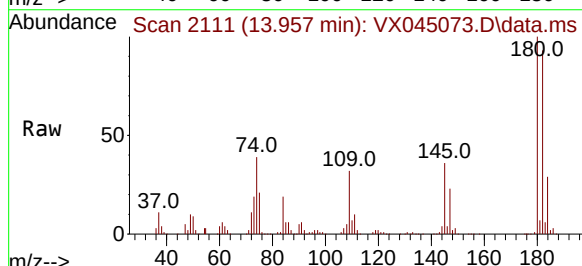
Tgt Ion:180 Resp: 222608

Ion Ratio Lower Upper

180 100

182 95.7 47.5 142.6

145 35.5 17.0 50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045075.D
 Acq On : 28 Feb 2025 04:33
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX022825

Quant Time: Feb 28 06:55:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025
 Supervised By :Mahesh Dadoda 02/28/2025

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	101603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	184964	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	157797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81288	50.297	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.600%			
35) Dibromofluoromethane	5.385	113	62880	50.841	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.680%			
50) Toluene-d8	8.647	98	225823	50.364	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.720%			
62) 4-Bromofluorobenzene	11.079	95	73162	49.240	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.480%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	61303	47.933	ug/l	95
3) Chloromethane	1.306	50	76216	48.696	ug/l	94
4) Vinyl Chloride	1.373	62	76901	49.529	ug/l	97
5) Bromomethane	1.593	94	28193	46.190	ug/l	97
6) Chloroethane	1.660	64	30042	41.948	ug/l	99
7) Trichlorofluoromethane	1.867	101	101886	49.569	ug/l	98
8) Diethyl Ether	2.136	74	39113	48.651	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.312	101	59477	50.367	ug/l	100
10) Methyl Iodide	2.440	142	74585	50.541	ug/l	98
11) Tert butyl alcohol	2.989	59	73034	238.577	ug/l	98
12) 1,1-Dichloroethene	2.306	96	61885	49.568	ug/l	98
13) Acrolein	2.239	56	95989	271.255	ug/l	99
14) Allyl chloride	2.654	41	114875	51.691	ug/l	98
15) Acrylonitrile	3.068	53	209607	255.479	ug/l	99
16) Acetone	2.392	43	182119	242.877	ug/l	100
17) Carbon Disulfide	2.501	76	166105	49.952	ug/l	97
18) Methyl Acetate	2.709	43	90756	50.312	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	222475	53.114	ug/l	99
20) Methylene Chloride	2.782	84	73731	49.639	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	63117	51.172	ug/l	98
22) Diisopropyl ether	3.763	45	243860	53.955	ug/l	97
23) Vinyl Acetate	3.721	43	1064817	282.313	ug/l	100
24) 1,1-Dichloroethane	3.605	63	129666	51.190	ug/l	100
25) 2-Butanone	4.562	43	298021	264.040	ug/l	98
26) 2,2-Dichloropropane	4.471	77	58694	49.401	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	78576	51.606	ug/l	100
28) Bromochloromethane	4.891	49	60849	50.399	ug/l	100
29) Tetrahydrofuran	5.007	42	195768	258.277	ug/l	99
30) Chloroform	5.086	83	126437	50.236	ug/l	98
31) Cyclohexane	5.464	56	110288	50.158	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	103546	50.939	ug/l	99
36) 1,1-Dichloropropene	5.684	75	82722	48.770	ug/l	99
37) Ethyl Acetate	4.714	43	112768	51.596	ug/l	99
38) Carbon Tetrachloride	5.672	117	85110	49.425	ug/l	99
39) Methylcyclohexane	7.372	83	103996	51.169	ug/l	98
40) Benzene	6.031	78	274206	51.195	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045075.D
 Acq On : 28 Feb 2025 04:33
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX022825

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 06:55:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	63051	53.352	ug/l	99
42) 1,2-Dichloroethane	6.080	62	97821	50.718	ug/l	100
43) Isopropyl Acetate	6.342	43	175982	54.452	ug/l	100
44) Trichloroethene	7.122	130	61530	48.924	ug/l	99
45) 1,2-Dichloropropane	7.427	63	70350	51.086	ug/l	97
46) Dibromomethane	7.580	93	50284	51.661	ug/l	99
47) Bromodichloromethane	7.817	83	97236	50.930	ug/l	99
48) Methyl methacrylate	7.689	41	87582	54.016	ug/l	100
49) 1,4-Dioxane	7.665	88	35878	1049.007	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	564197	259.995	ug/l	99
52) Toluene	8.714	92	160331	51.020	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	86584	54.247	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	98146	52.732	ug/l	95
55) 1,1,2-Trichloroethane	9.146	97	64985	50.232	ug/l	99
56) Ethyl methacrylate	9.116	69	106405	54.109	ug/l	100
57) 1,3-Dichloropropane	9.305	76	114880	51.312	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	264335	275.557	ug/l	99
59) 2-Hexanone	9.427	43	416731	265.049	ug/l	99
60) Dibromochloromethane	9.518	129	69492	51.374	ug/l	98
61) 1,2-Dibromoethane	9.610	107	66501	51.492	ug/l	99
64) Tetrachloroethene	9.268	164	50659	50.126	ug/l	96
65) Chlorobenzene	10.079	112	168885	50.580	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	56822	51.102	ug/l	98
67) Ethyl Benzene	10.189	91	300324	51.621	ug/l	100
68) m/p-Xylenes	10.299	106	220335	103.454	ug/l	99
69) o-Xylene	10.640	106	108836	50.668	ug/l	100
70) Styrene	10.652	104	181349	52.177	ug/l	100
71) Bromoform	10.799	173	44135	52.636	ug/l #	100
73) Isopropylbenzene	10.957	105	279278	51.589	ug/l	99
74) N-amyl acetate	10.841	43	144412	56.851	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	100800	50.741	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	80618m	49.940	ug/l	
77) Bromobenzene	11.195	156	64324	50.360	ug/l	100
78) n-propylbenzene	11.305	91	319235	52.203	ug/l	99
79) 2-Chlorotoluene	11.360	91	192150	49.338	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	225622	51.544	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	23943	50.757	ug/l	99
82) 4-Chlorotoluene	11.451	91	216511	51.009	ug/l	100
83) tert-Butylbenzene	11.713	119	227357	50.552	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	228729	51.932	ug/l	100
85) sec-Butylbenzene	11.890	105	283931	52.703	ug/l	100
86) p-Isopropyltoluene	12.006	119	229894	52.803	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	114778	50.372	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	115486	50.097	ug/l	99
89) n-Butylbenzene	12.329	91	204972	54.662	ug/l	99
90) Hexachloroethane	12.536	117	40844	51.866	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	116343	50.899	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	20589	53.199	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	71368	54.834	ug/l	98
94) Hexachlorobutadiene	13.725	225	26697	50.032	ug/l	99
95) Naphthalene	13.774	128	275844	55.163	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	74211	54.049	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

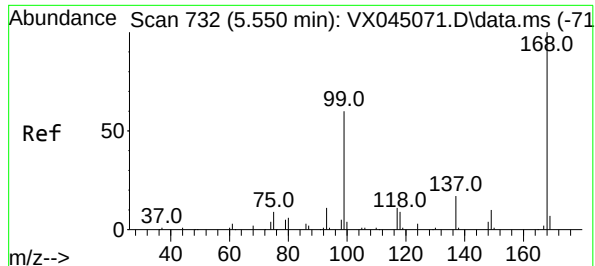
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025





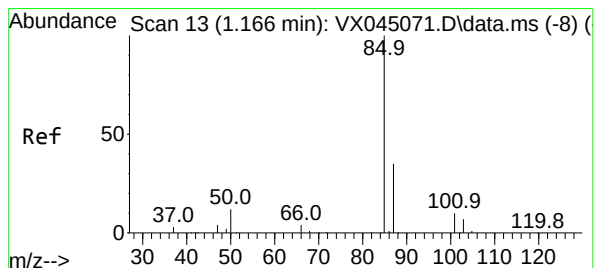
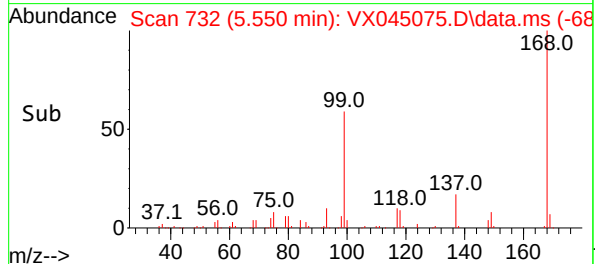
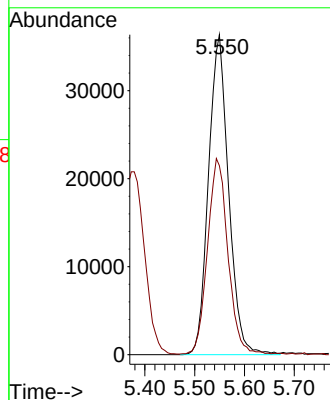
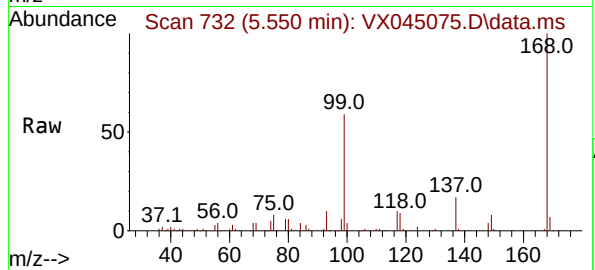
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:168 Resp: 10160
Ion Ratio Lower Upper
168 100
99 58.9 48.2 72.4

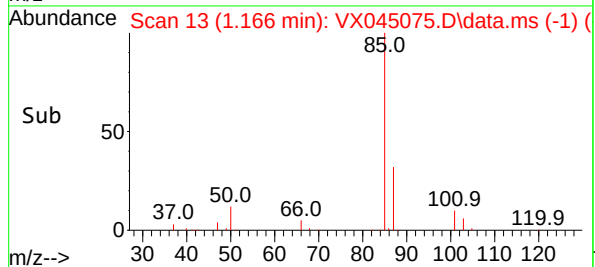
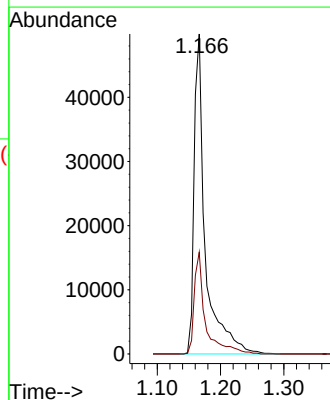
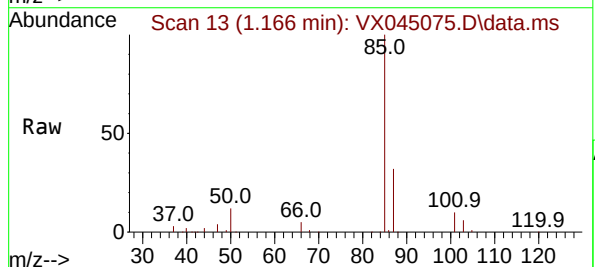
Manual Integrations
APPROVED

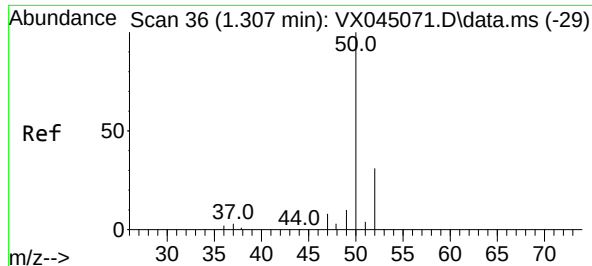
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#2
Dichlorodifluoromethane
Concen: 47.933 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

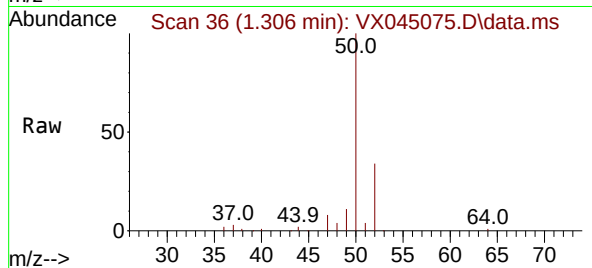
Tgt Ion: 85 Resp: 61303
Ion Ratio Lower Upper
85 100
87 31.8 17.4 52.3





#3
Chloromethane
Concen: 48.696 ug/l
RT: 1.306 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

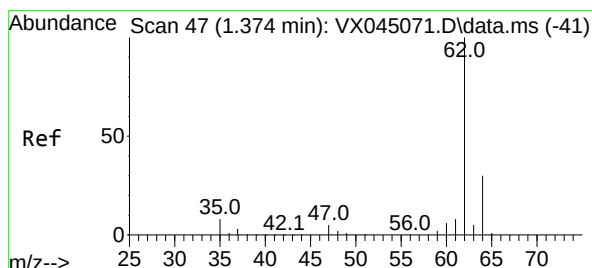
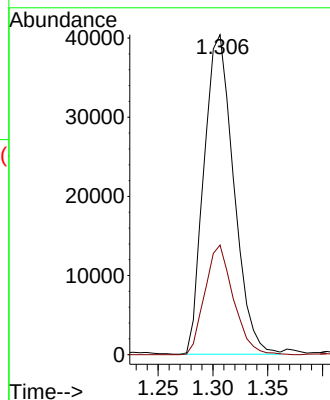
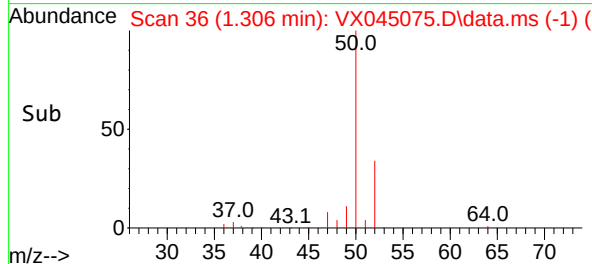
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825



Tgt Ion: 50 Resp: 76210
Ion Ratio Lower Upper
50 100
52 34.3 25.0 37.4

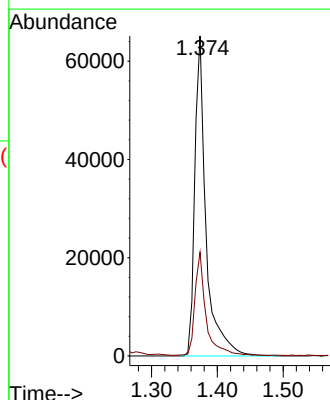
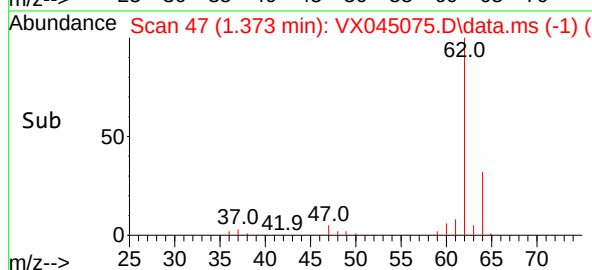
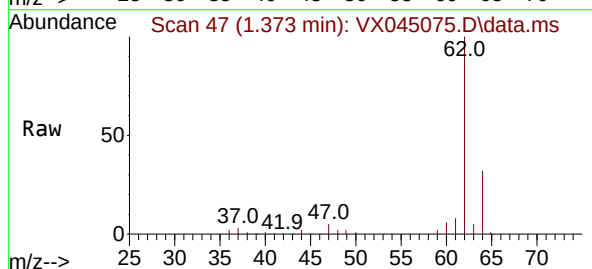
Manual Integrations
APPROVED

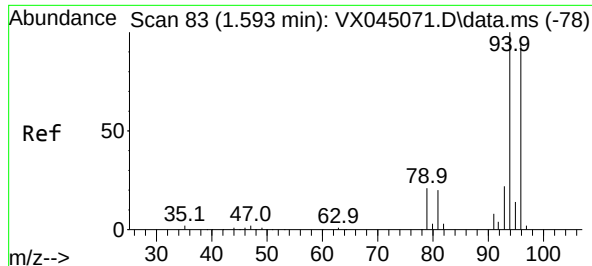
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#4
Vinyl Chloride
Concen: 49.529 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

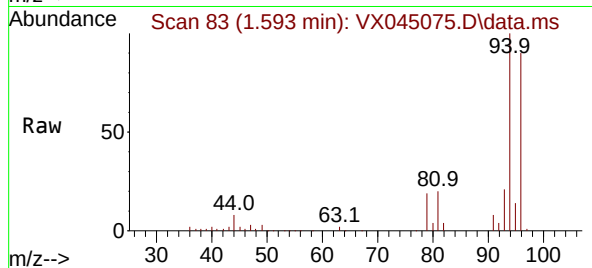
Tgt Ion: 62 Resp: 76901
Ion Ratio Lower Upper
62 100
64 32.2 24.3 36.5





#5
Bromomethane
Concen: 46.190 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

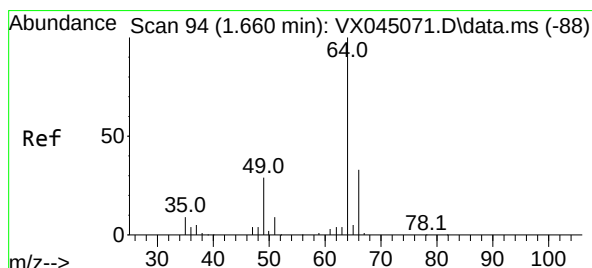
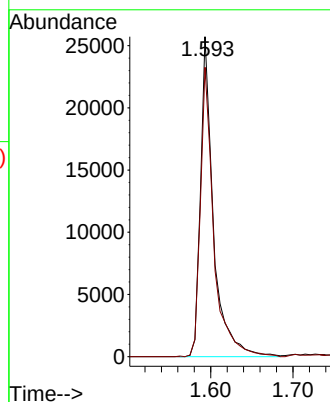
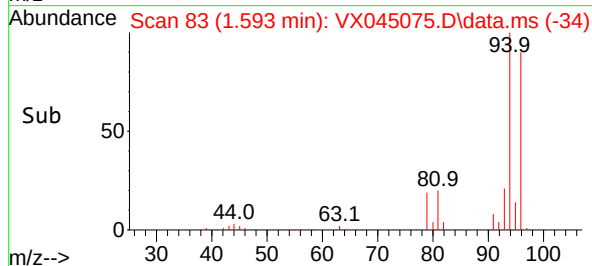
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825



Tgt Ion: 94 Resp: 2819
Ion Ratio Lower Upper
94 100
96 90.5 75.0 112.4

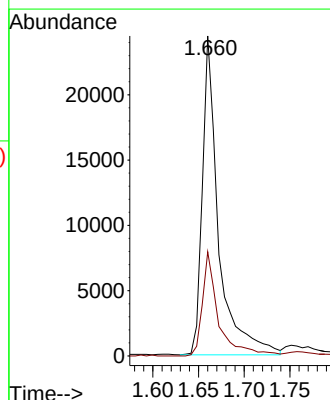
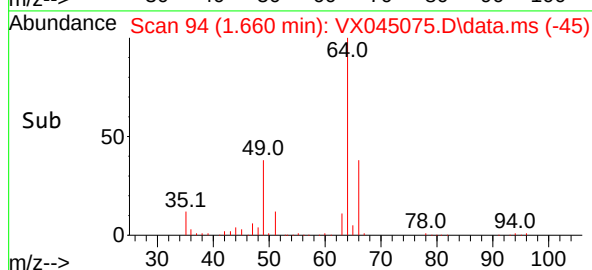
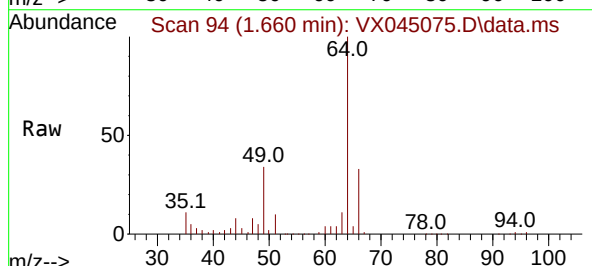
Manual Integrations
APPROVED

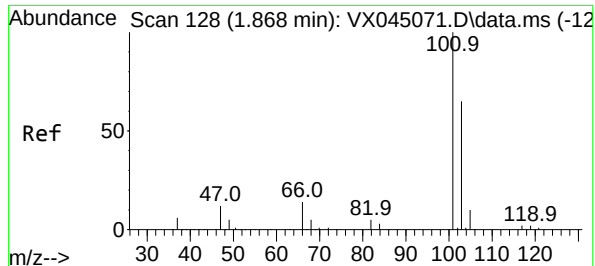
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#6
Chloroethane
Concen: 41.948 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

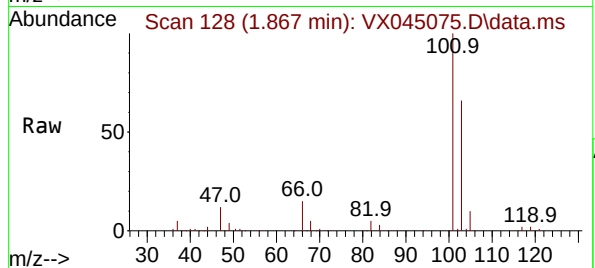
Tgt Ion: 64 Resp: 30042
Ion Ratio Lower Upper
64 100
66 32.6 26.7 40.1





#7
Trichlorofluoromethane
Concen: 49.569 ug/l
RT: 1.867 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

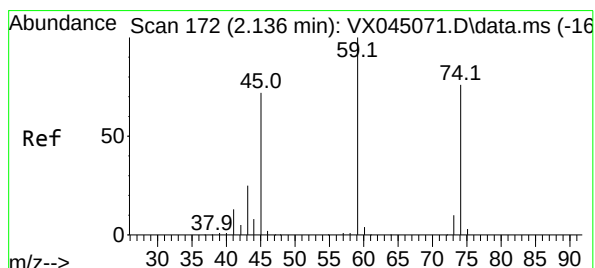
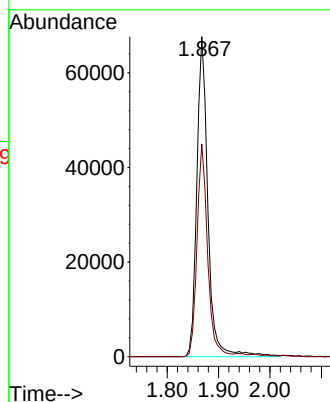
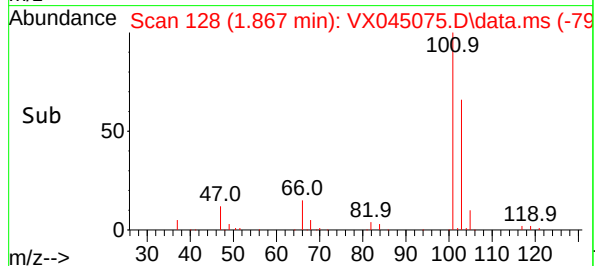
Instrument :
MSVOA_X
ClientSampleId :
ICVX022825



Tgt Ion:101 Resp: 10188
Ion Ratio Lower Upper
101 100
103 66.4 52.1 78.1

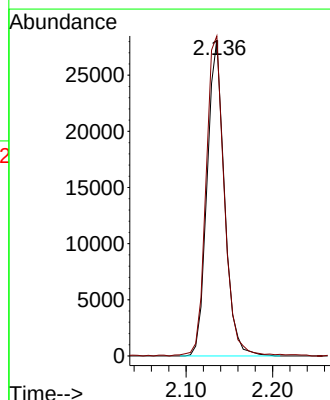
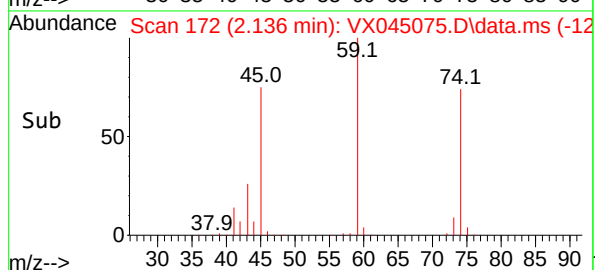
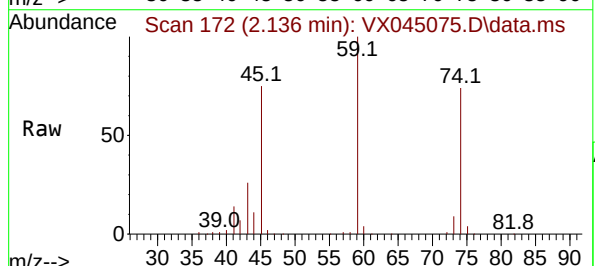
Manual Integrations
APPROVED

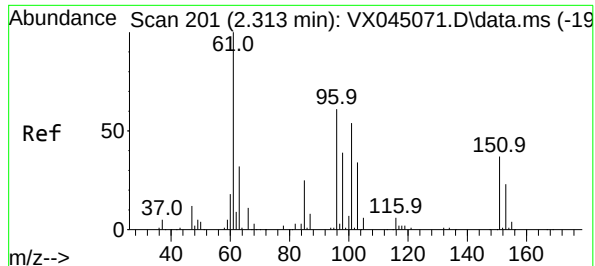
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#8
Diethyl Ether
Concen: 48.651 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 74 Resp: 39113
Ion Ratio Lower Upper
74 100
45 107.2 51.5 154.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.367 ug/l

RT: 2.312 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Instrument :

MSVOA_X

ClientSampleId :

ICVX022825

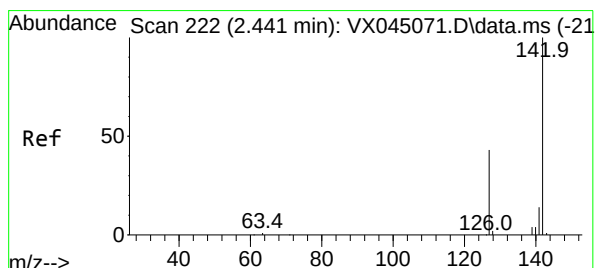
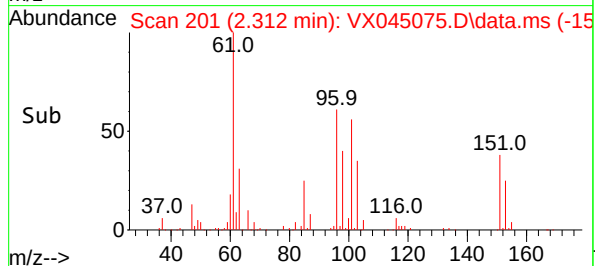
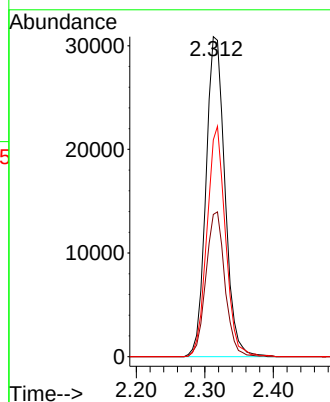
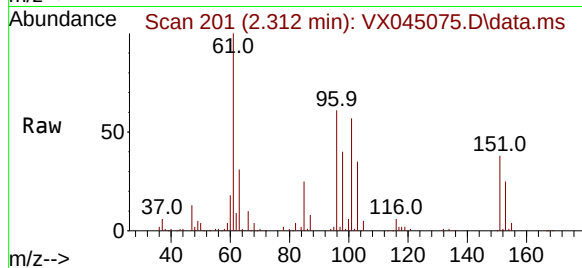
Tgt Ion:	101	Resp:	5947
Ion	Ratio	Lower	Upper
101	100		
85	45.4	36.2	54.4
151	70.2	56.4	84.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#10

Methyl Iodide

Concen: 50.541 ug/l

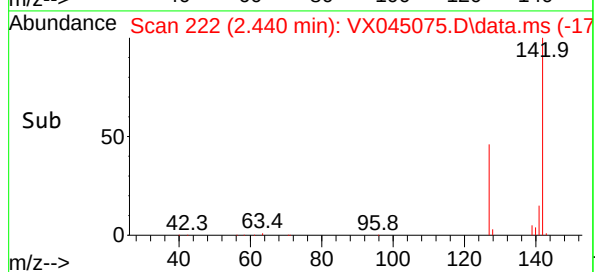
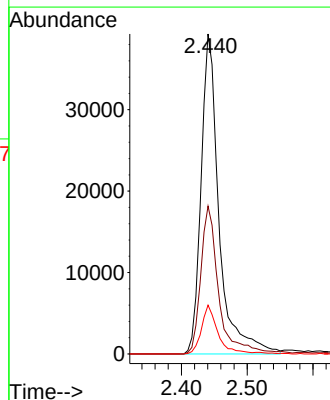
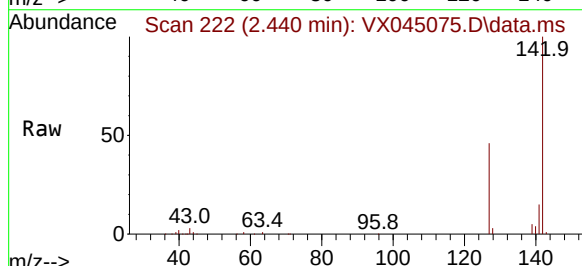
RT: 2.440 min Scan# 222

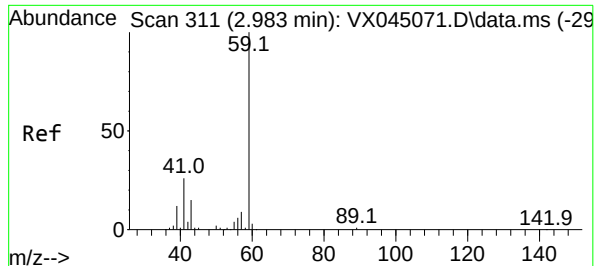
Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Tgt Ion:	142	Resp:	74585
Ion	Ratio	Lower	Upper
142	100		
127	46.3	35.4	53.2
141	14.3	11.6	17.4





#11

Tert butyl alcohol

Concen: 238.577 ug/l

RT: 2.989 min Scan# 311

Delta R.T. 0.006 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Instrument :

MSVOA_X

ClientSampleId :

ICVX022825

Tgt Ion: 59 Resp: 73034

Ion Ratio Lower Upper

59 100

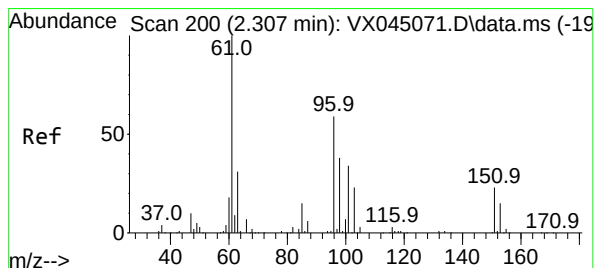
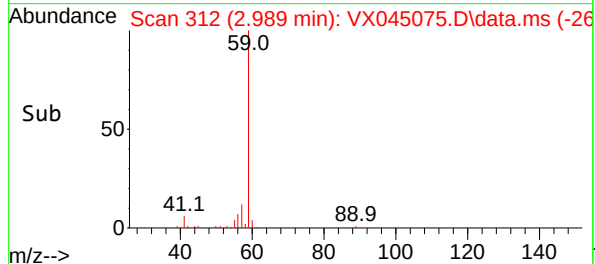
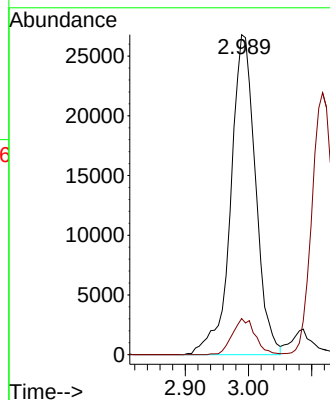
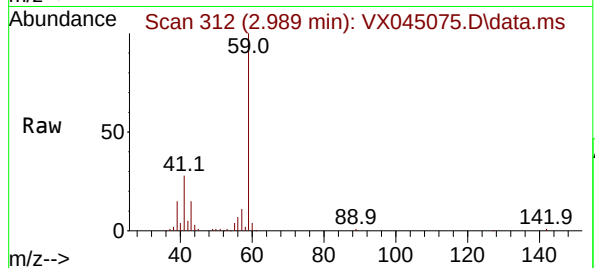
57 10.4 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#12

1,1-Dichloroethene

Concen: 49.568 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

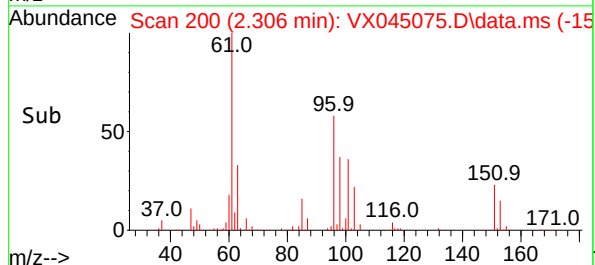
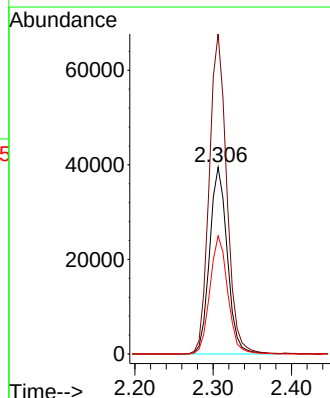
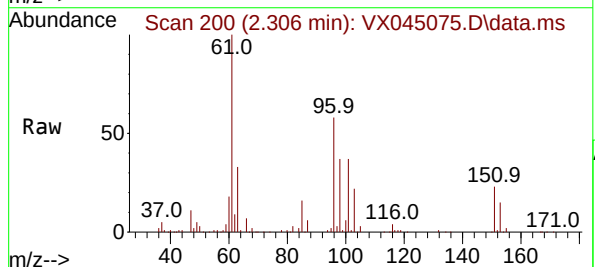
Tgt Ion: 96 Resp: 61885

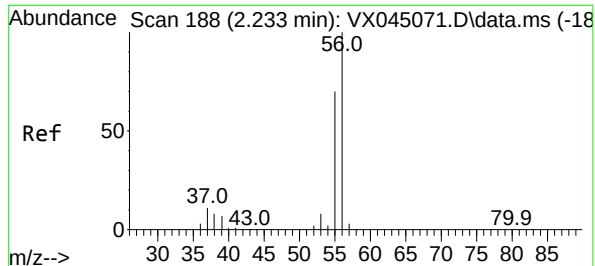
Ion Ratio Lower Upper

96 100

61 171.3 134.6 202.0

98 63.2 51.0 76.6





#13

Acrolein

Concen: 271.255 ug/l

RT: 2.239 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Instrument :

MSVOA_X

ClientSampleId :

ICVX022825

Tgt Ion: 56 Resp: 95989

Ion Ratio Lower Upper

56 100

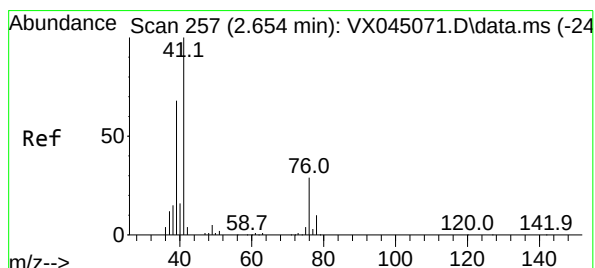
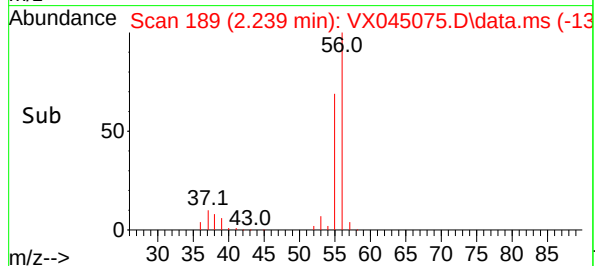
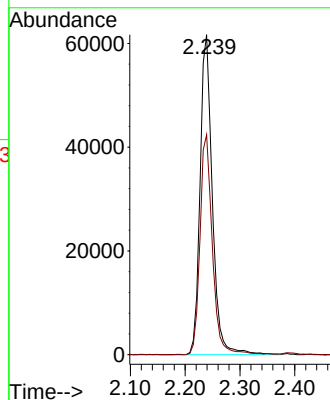
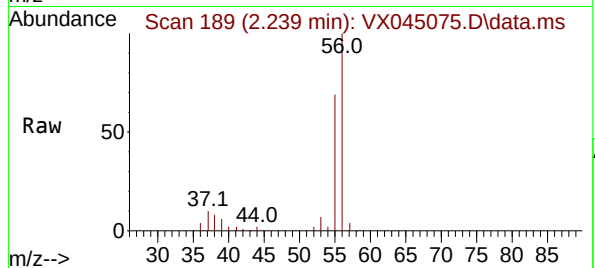
55 69.5 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#14

Allyl chloride

Concen: 51.691 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

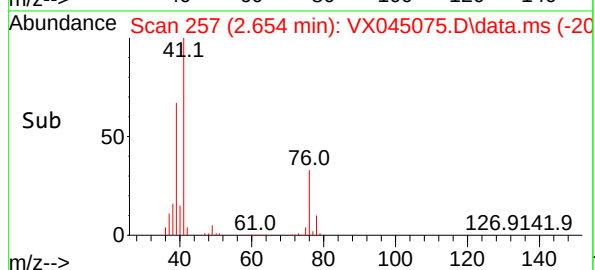
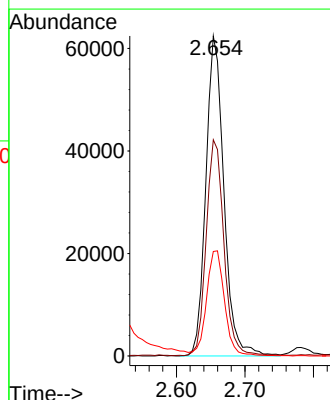
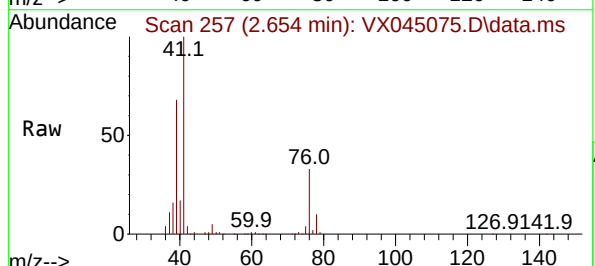
Tgt Ion: 41 Resp: 114875

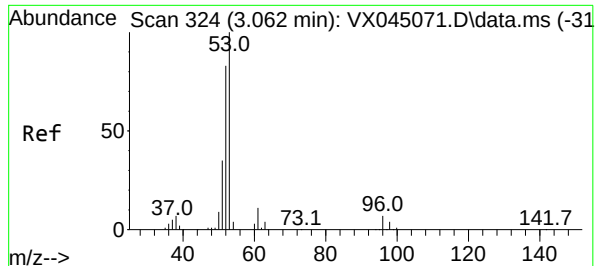
Ion Ratio Lower Upper

41 100

39 66.3 53.8 80.8

76 33.0 25.2 37.8





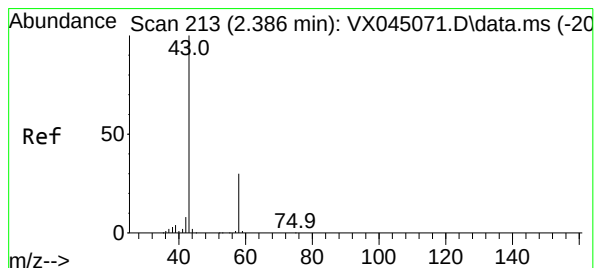
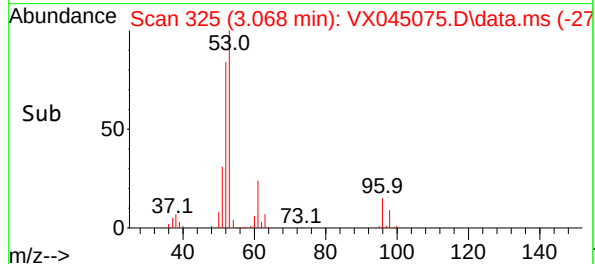
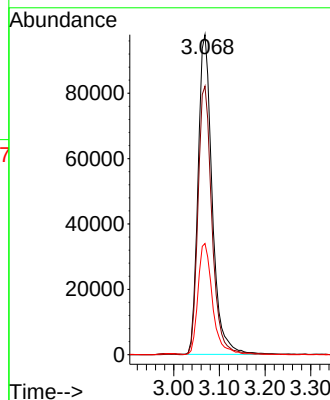
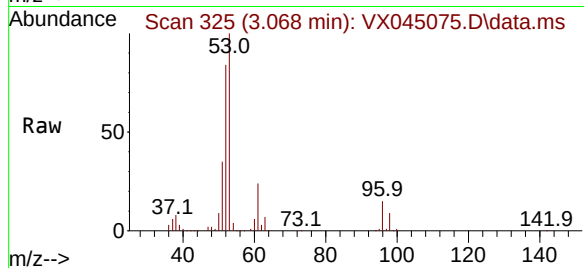
#15
Acrylonitrile
Concen: 255.479 ug/l
RT: 3.068 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 53 Resp: 20960
Ion Ratio Lower Upper
53 100
52 83.8 66.2 99.2
51 35.8 29.0 43.4

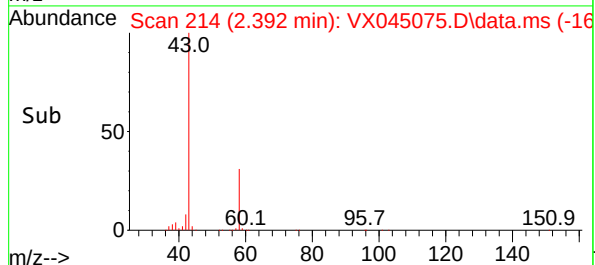
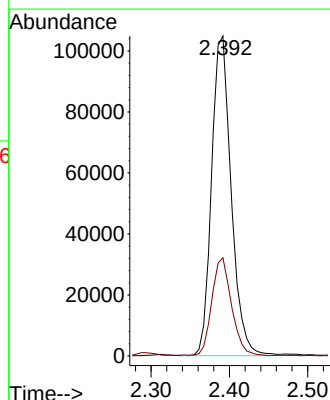
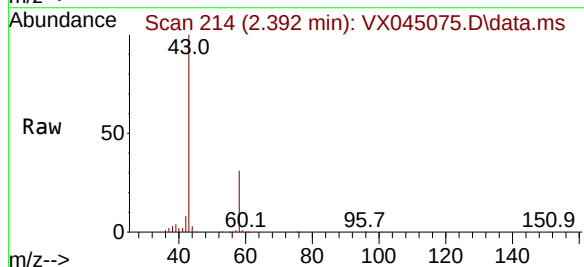
Manual Integrations
APPROVED

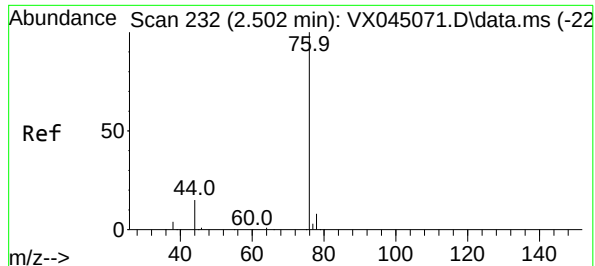
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#16
Acetone
Concen: 242.877 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 182119
Ion Ratio Lower Upper
43 100
58 30.5 24.2 36.4





#17

Carbon Disulfide

Concen: 49.952 ug/l

RT: 2.501 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Instrument :

MSVOA_X

ClientSampleId :

ICVVX022825

Tgt Ion: 76 Resp: 16610

Ion Ratio Lower Upper

76 100

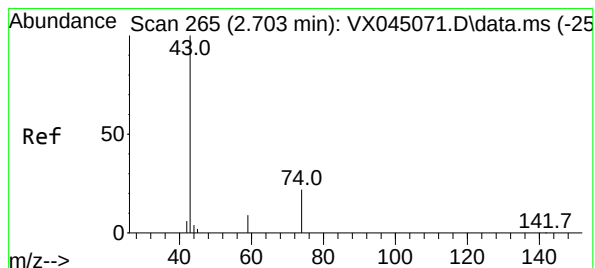
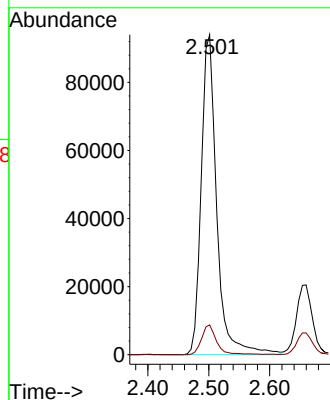
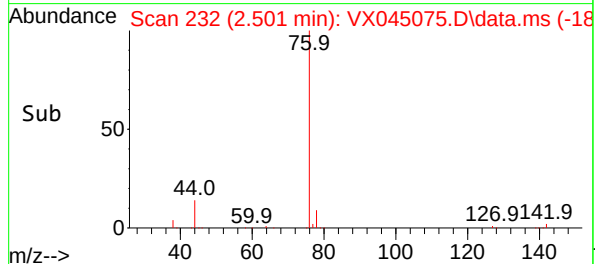
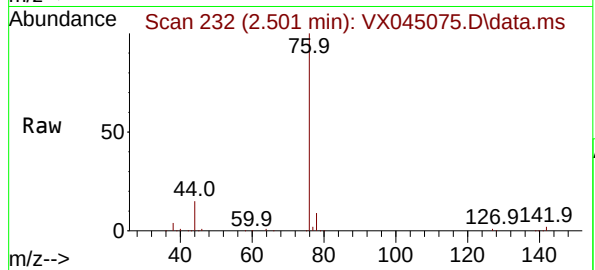
78 9.3 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#18

Methyl Acetate

Concen: 50.312 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX045075.D

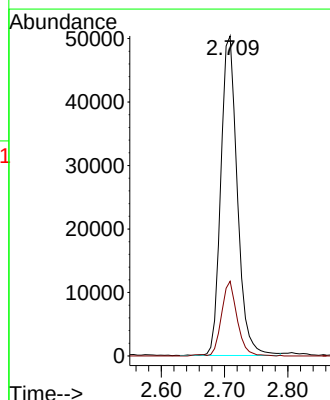
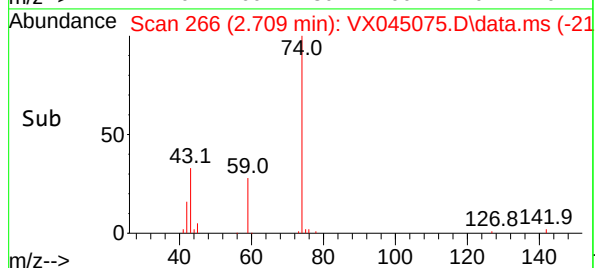
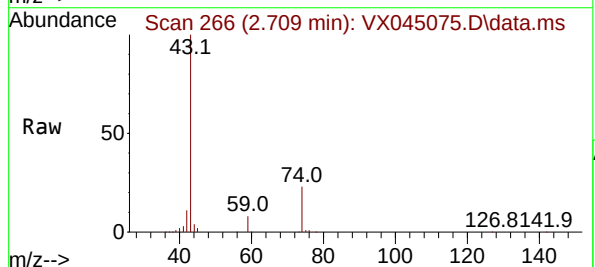
Acq: 28 Feb 2025 04:33

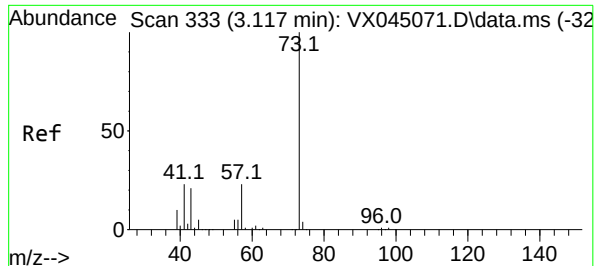
Tgt Ion: 43 Resp: 90756

Ion Ratio Lower Upper

43 100

74 22.1 17.4 26.2





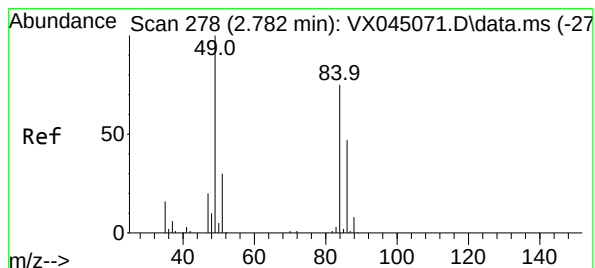
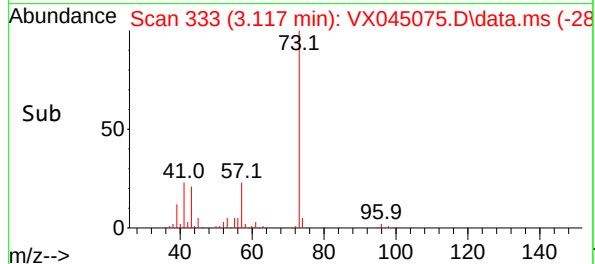
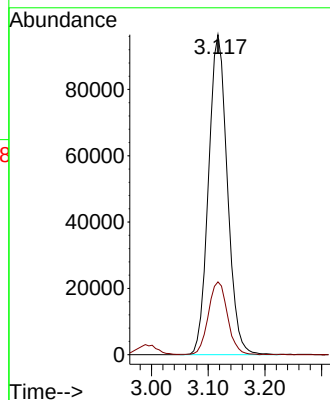
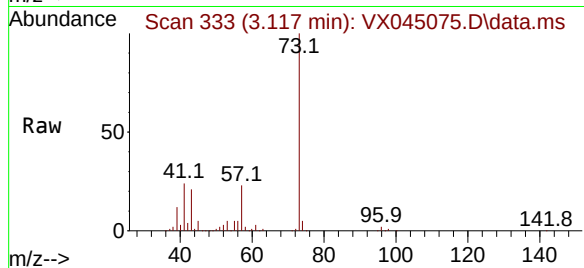
#19
Methyl tert-butyl Ether
Concen: 53.114 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 73 Resp: 222475
Ion Ratio Lower Upper
73 100
57 22.7 18.5 27.7

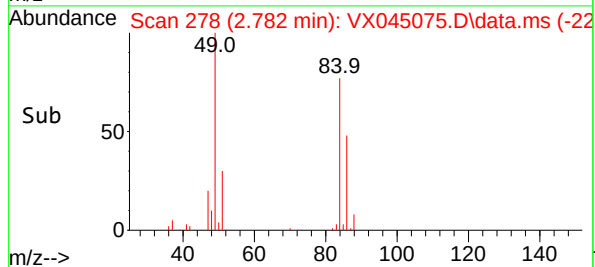
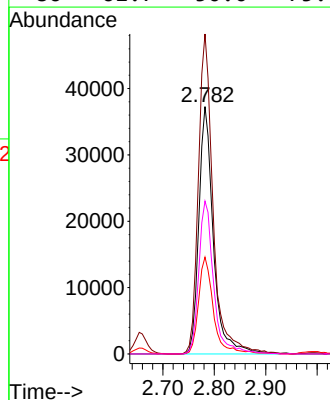
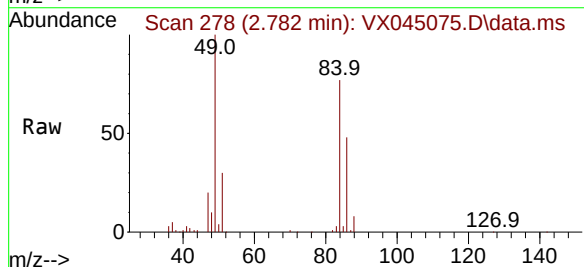
Manual Integrations
APPROVED

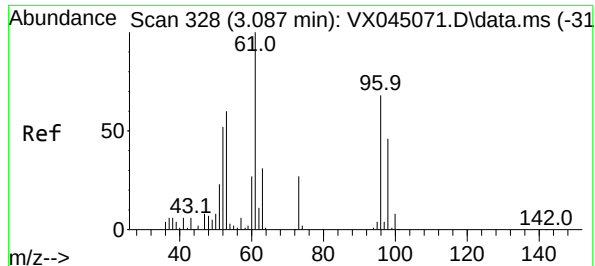
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#20
Methylene Chloride
Concen: 49.639 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 84 Resp: 73731
Ion Ratio Lower Upper
84 100
49 129.3 106.5 159.7
51 39.1 32.1 48.1
86 61.7 50.0 75.0





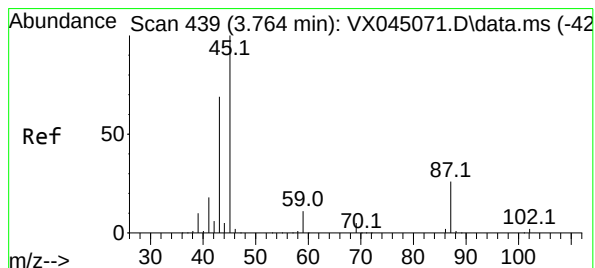
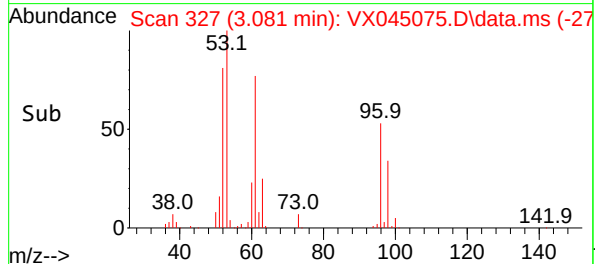
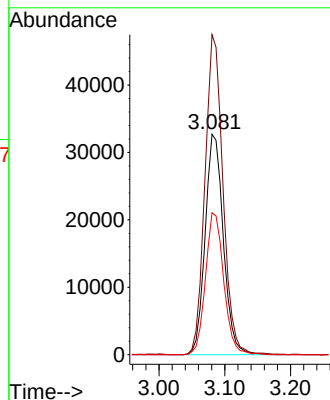
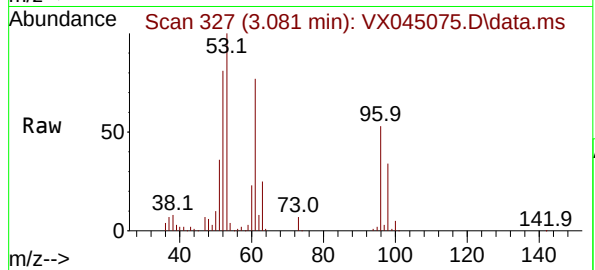
#21
trans-1,2-Dichloroethene
Concen: 51.172 ug/l
RT: 3.081 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 96 Resp: 6311
Ion Ratio Lower Upper
96 100
61 145.2 117.0 175.4
98 64.4 53.4 80.2

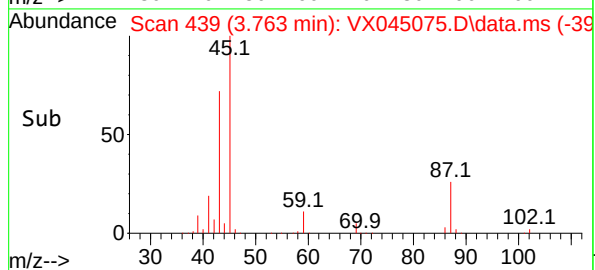
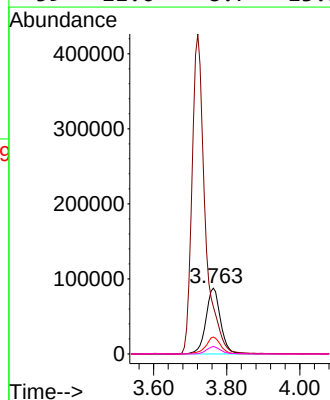
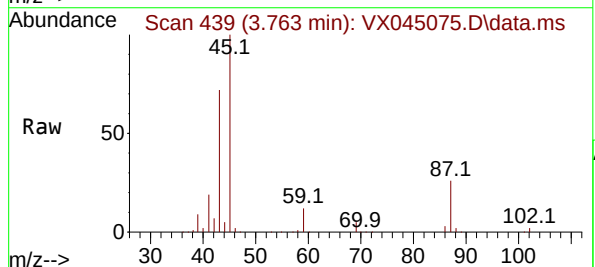
Manual Integrations
APPROVED

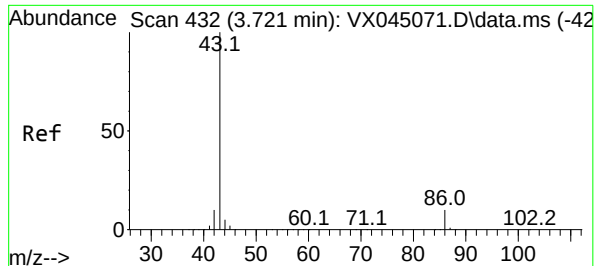
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#22
Diisopropyl ether
Concen: 53.955 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 45 Resp: 243860
Ion Ratio Lower Upper
45 100
43 71.9 54.9 82.3
87 25.8 21.0 31.4
59 11.6 8.7 13.1





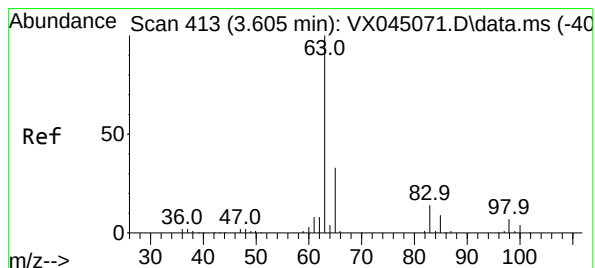
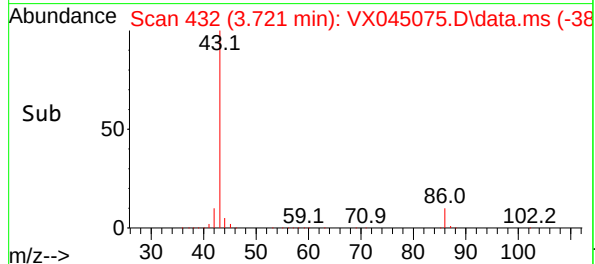
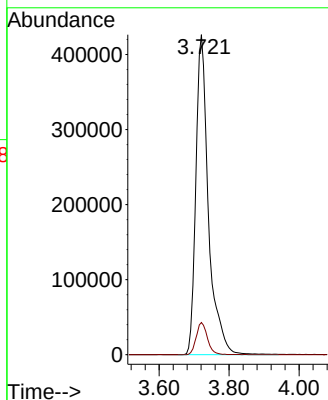
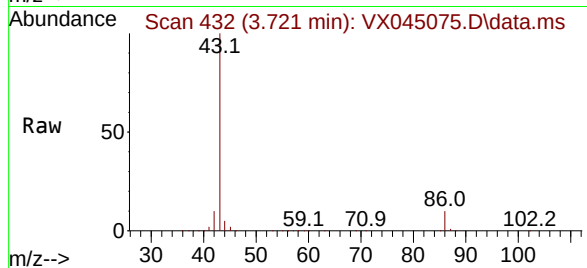
#23
Vinyl Acetate
Concen: 282.313 ug/l
RT: 3.721 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVX022825

Tgt Ion: 43 Resp: 106481
Ion Ratio Lower Upper
43 100
86 10.0 8.1 12.1

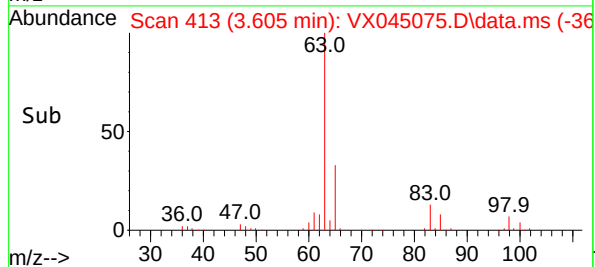
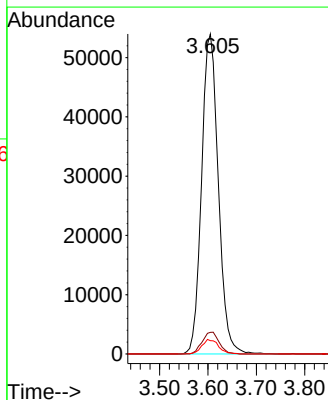
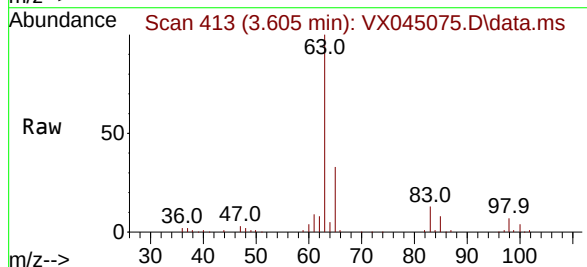
Manual Integrations
APPROVED

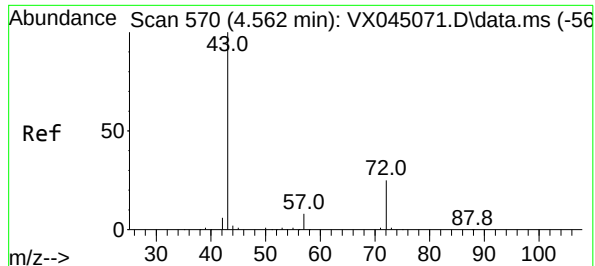
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#24
1,1-Dichloroethane
Concen: 51.190 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 63 Resp: 129666
Ion Ratio Lower Upper
63 100
98 6.8 3.4 10.2
100 4.1 2.1 6.5





#25

2-Butanone

Concen: 264.040 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Instrument :

MSVOA_X

ClientSampleId :

ICVVX022825

Tgt Ion: 43 Resp: 29802

Ion Ratio Lower Upper

43 100

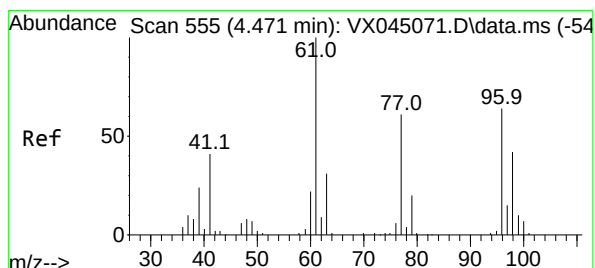
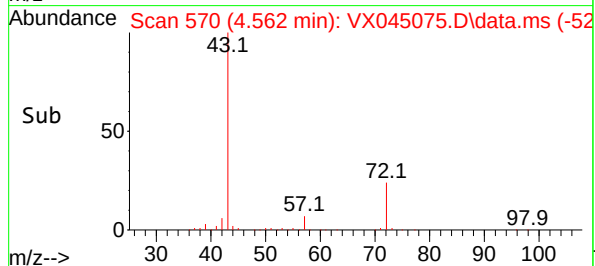
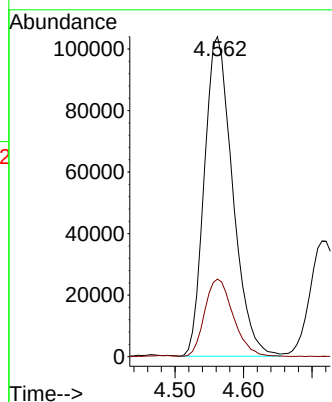
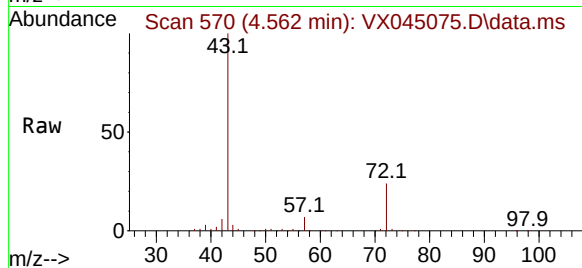
72 24.1 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#26

2,2-Dichloropropane

Concen: 49.401 ug/l

RT: 4.471 min Scan# 555

Delta R.T. -0.000 min

Lab File: VX045075.D

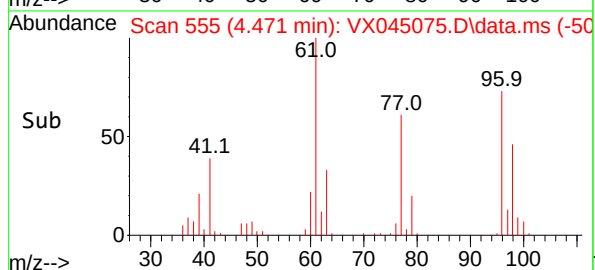
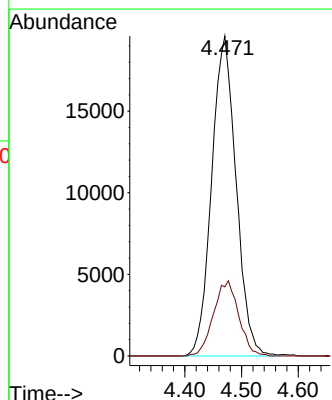
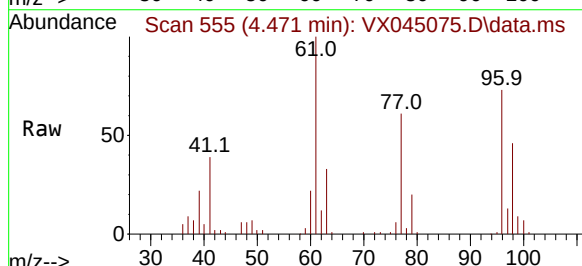
Acq: 28 Feb 2025 04:33

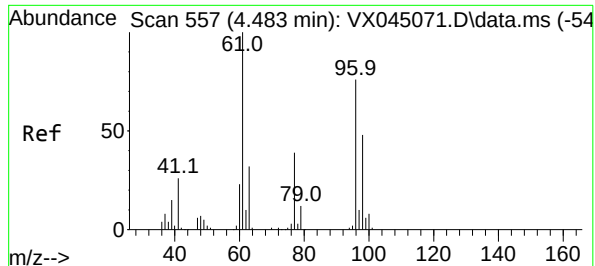
Tgt Ion: 77 Resp: 58694

Ion Ratio Lower Upper

77 100

97 24.2 12.4 37.0





#27

cis-1,2-Dichloroethene

Concen: 51.606 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Instrument :

MSVOA_X

ClientSampleId :

ICVX022825

Tgt Ion: 96 Resp: 78570

Ion Ratio Lower Upper

96 100

61 141.2 0.0 283.2

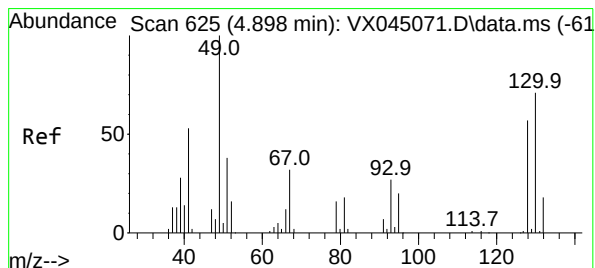
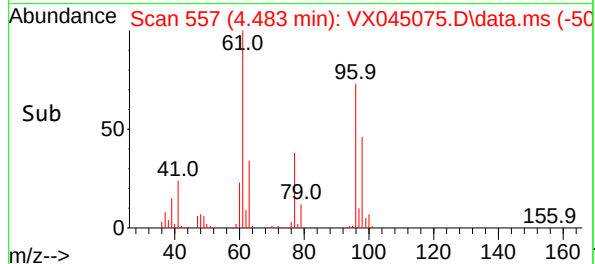
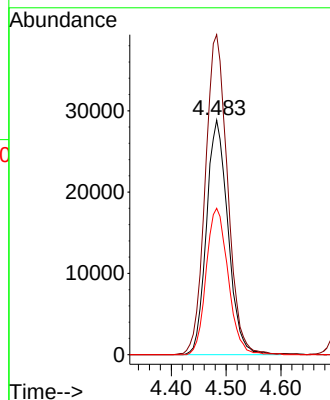
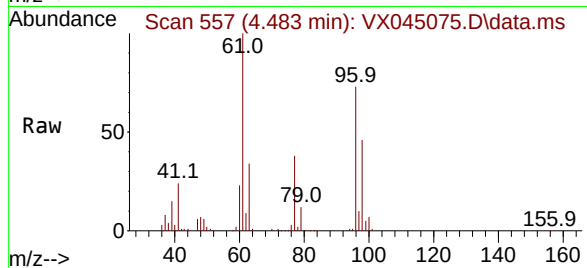
98 63.8 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#28

Bromochloromethane

Concen: 50.399 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.006 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

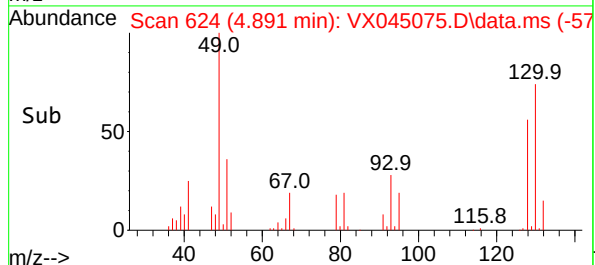
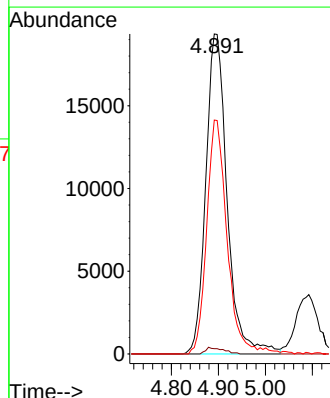
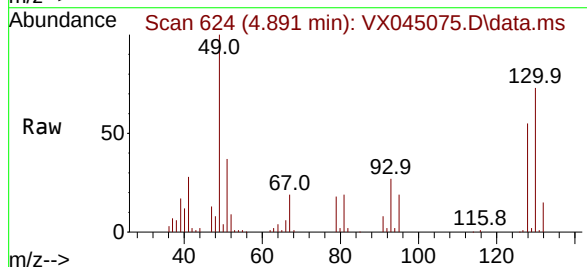
Tgt Ion: 49 Resp: 60849

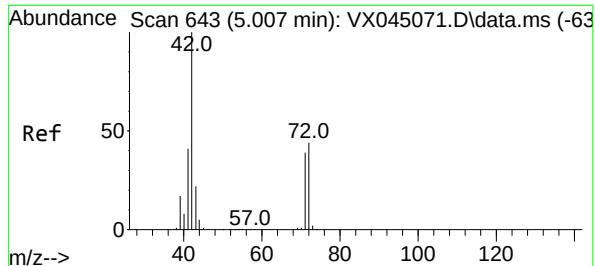
Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.4

130 70.0 56.1 84.1





#29

Tetrahydrofuran

Concen: 258.277 ug/l

RT: 5.007 min Scan# 643

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Instrument :

MSVOA_X

ClientSampleId :

ICVX022825

Tgt Ion: 42 Resp: 19576

Ion Ratio Lower Upper

42 100

72 42.0 34.1 51.1

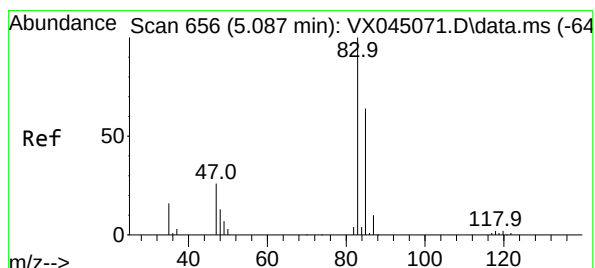
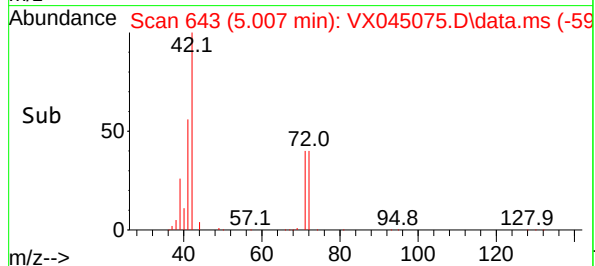
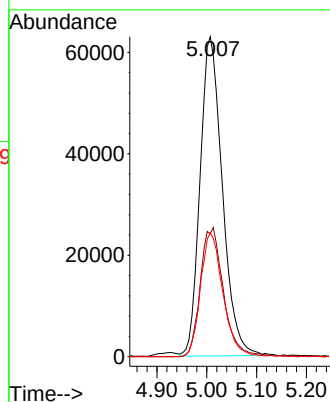
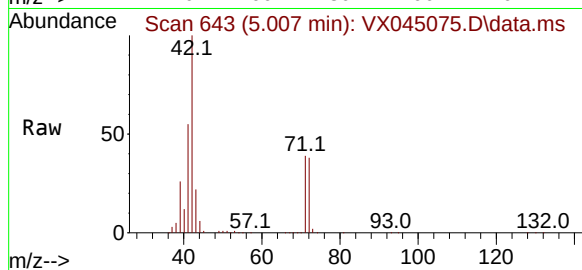
71 38.9 31.4 47.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#30

Chloroform

Concen: 50.236 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.000 min

Lab File: VX045075.D

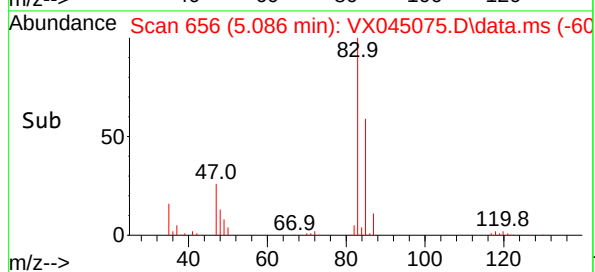
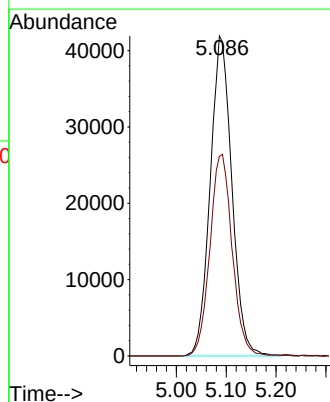
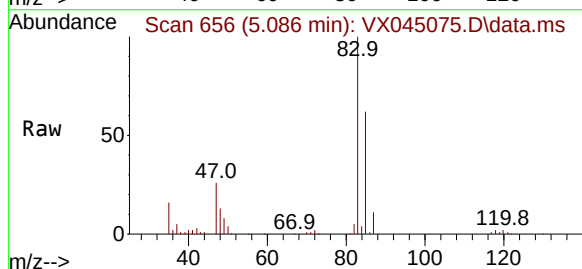
Acq: 28 Feb 2025 04:33

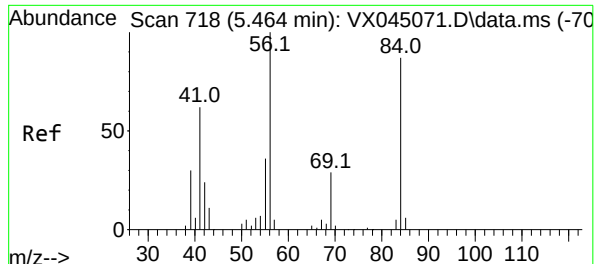
Tgt Ion: 83 Resp: 126437

Ion Ratio Lower Upper

83 100

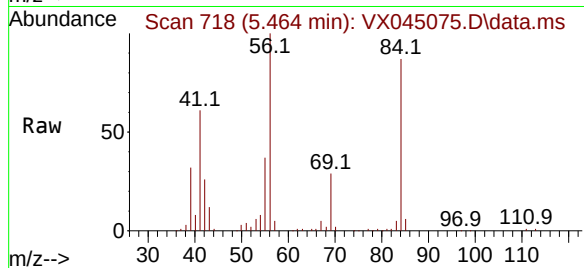
85 62.4 51.4 77.2





#31
Cyclohexane
Concen: 50.158 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

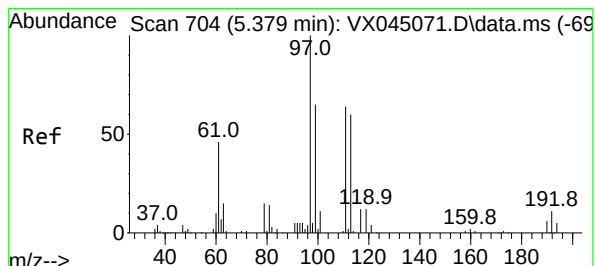
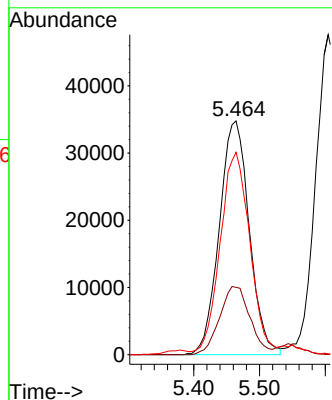
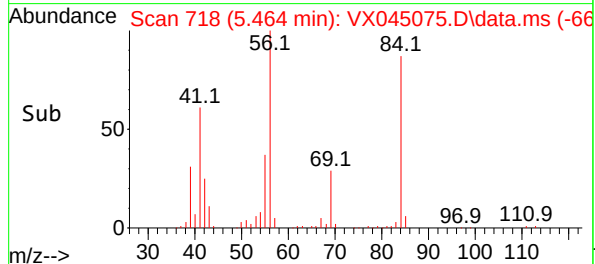
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825



Tgt Ion: 56 Resp: 110288
Ion Ratio Lower Upper
56 100
69 28.8 23.4 35.2
84 84.6 69.4 104.2

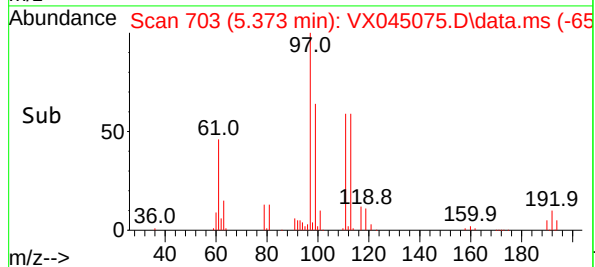
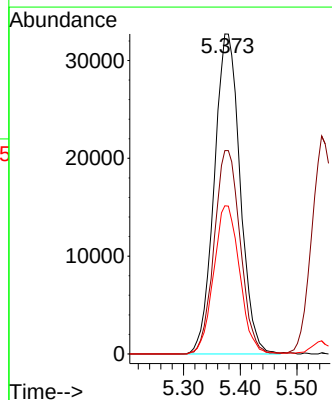
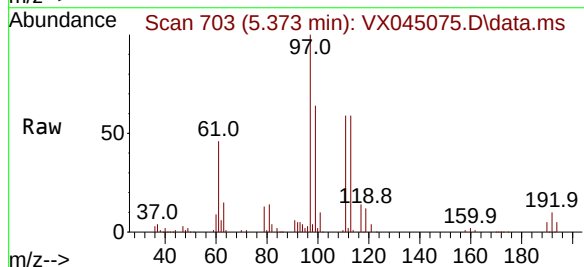
Manual Integrations
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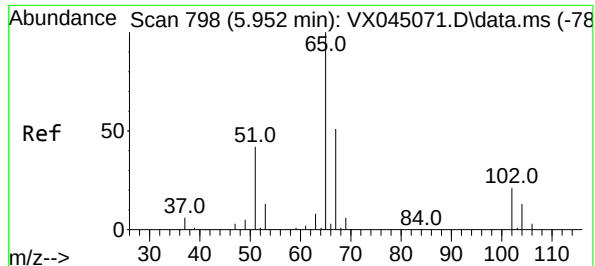
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#32
1,1,1-Trichloroethane
Concen: 50.939 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 97 Resp: 103546
Ion Ratio Lower Upper
97 100
99 64.0 51.6 77.4
61 46.7 38.4 57.6





#33

1,2-Dichloroethane-d4

Concen: 50.297 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Instrument :

MSVOA_X

ClientSampleId :

ICVX022825

Tgt Ion: 65 Resp: 8128

Ion Ratio Lower Upper

65 100

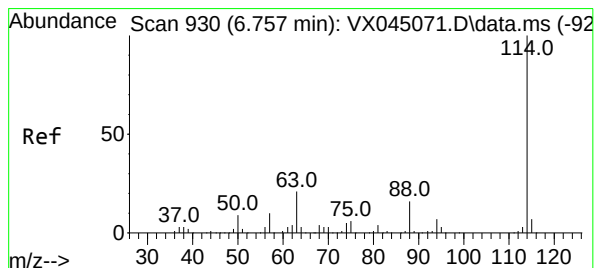
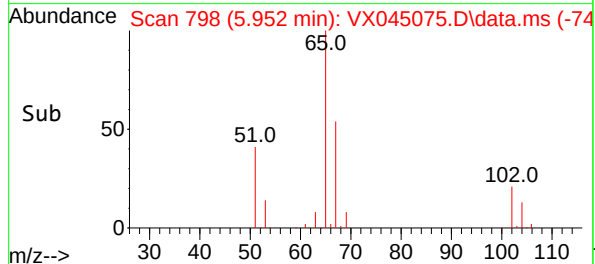
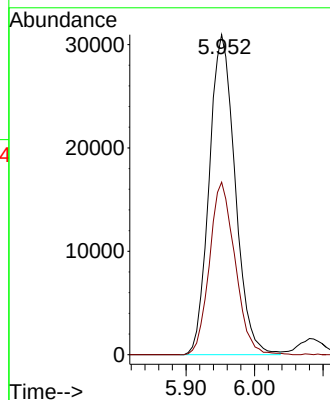
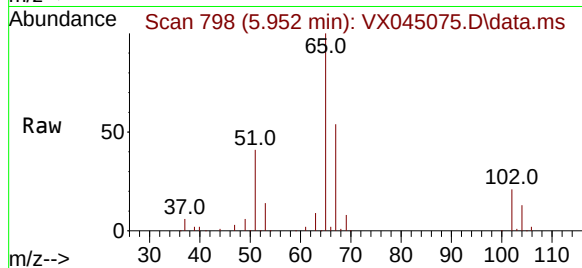
67 53.1 0.0 106.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

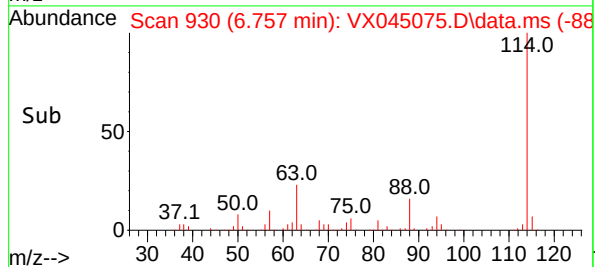
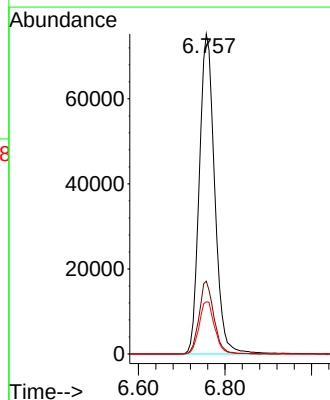
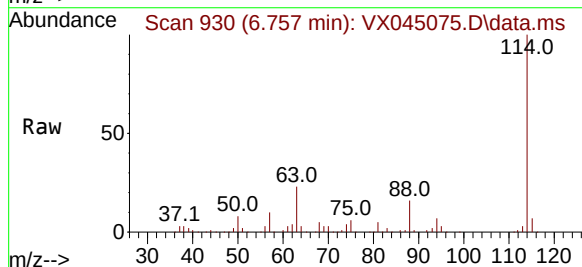
Tgt Ion:114 Resp: 184964

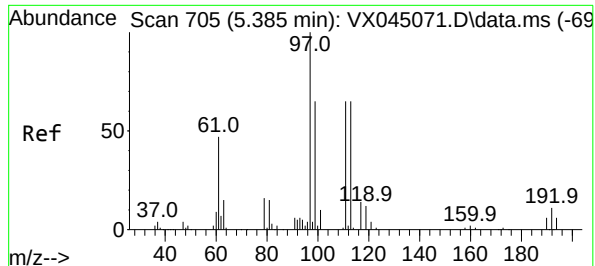
Ion Ratio Lower Upper

114 100

63 22.7 0.0 41.8

88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.841 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Instrument :

MSVOA_X

ClientSampleId :

ICVX022825

Tgt Ion:113 Resp: 62880

Ion Ratio Lower Upper

113 100

111 102.6 81.8 122.6

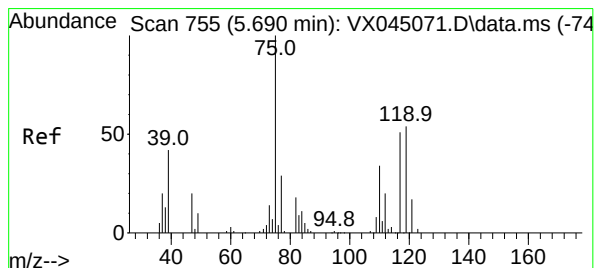
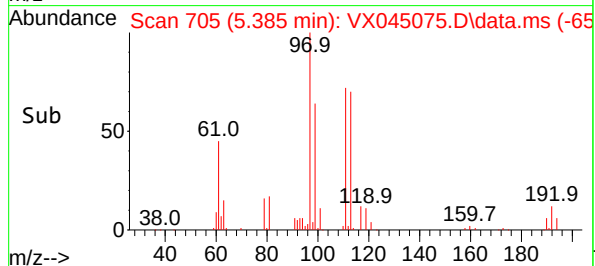
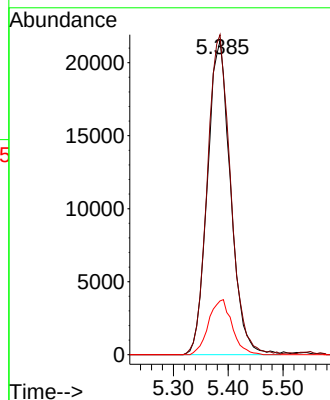
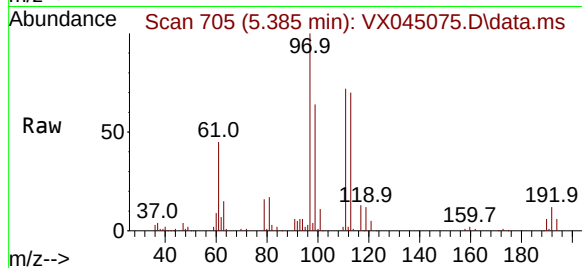
192 17.8 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#36

1,1-Dichloropropene

Concen: 48.770 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

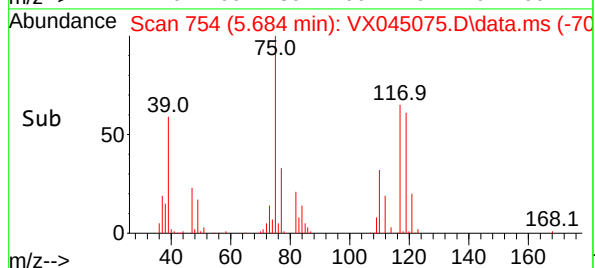
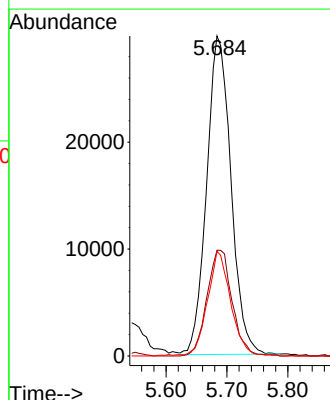
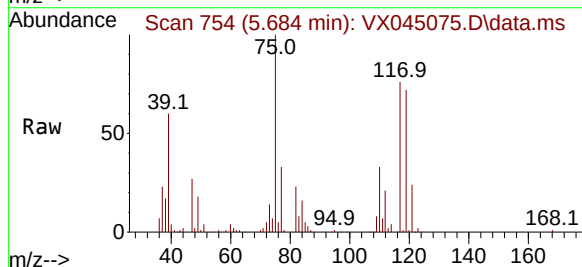
Tgt Ion: 75 Resp: 82722

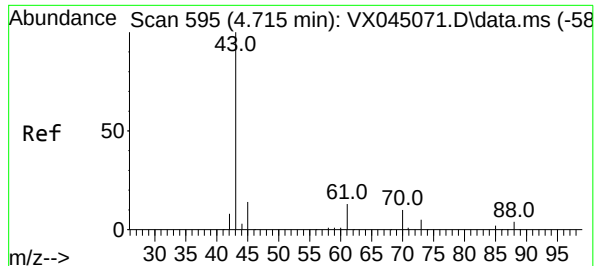
Ion Ratio Lower Upper

75 100

110 34.3 16.9 50.6

77 31.2 24.5 36.7





#37

Ethyl Acetate

Concen: 51.596 ug/l

RT: 4.714 min Scan# 595

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Instrument :

MSVOA_X

ClientSampleId :

ICVX022825

Tgt Ion: 43 Resp: 112768

Ion Ratio Lower Upper

43 100

61 13.3 10.8 16.2

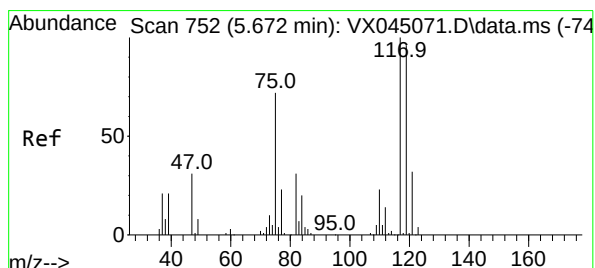
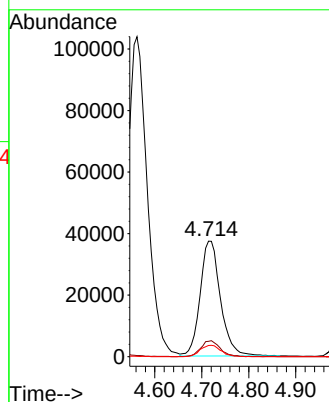
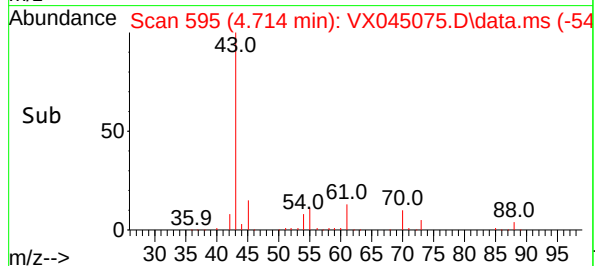
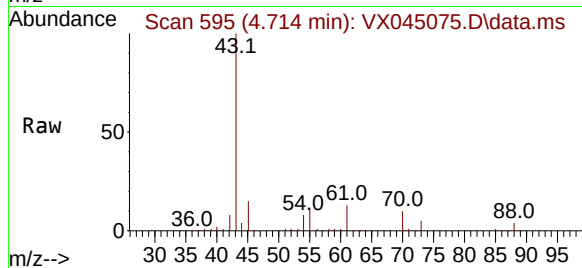
70 10.1 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#38

Carbon Tetrachloride

Concen: 49.425 ug/l

RT: 5.672 min Scan# 752

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

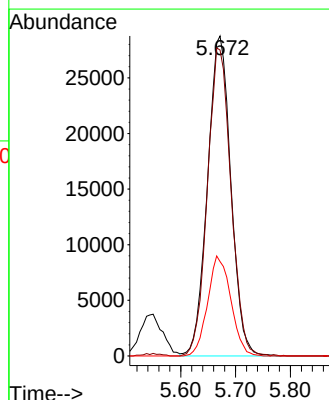
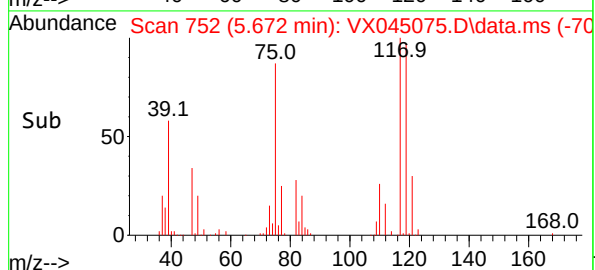
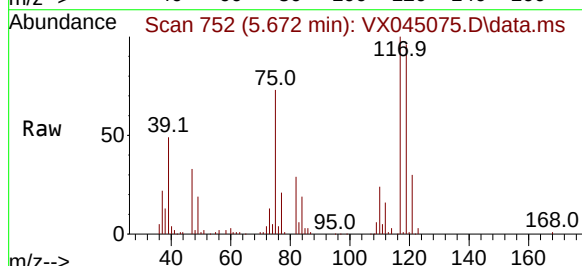
Tgt Ion:117 Resp: 85110

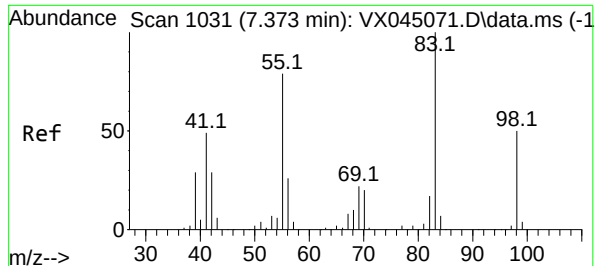
Ion Ratio Lower Upper

117 100

119 95.6 76.7 115.1

121 29.5 25.5 38.3





#39

Methylcyclohexane

Concen: 51.169 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Instrument :

MSVOA_X

ClientSampleId :

ICVX022825

Tgt Ion: 83 Resp: 103990

Ion Ratio Lower Upper

83 100

55 80.7 63.0 94.4

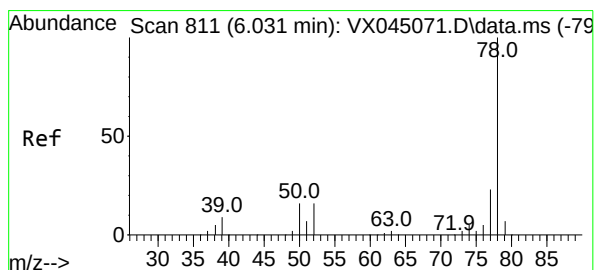
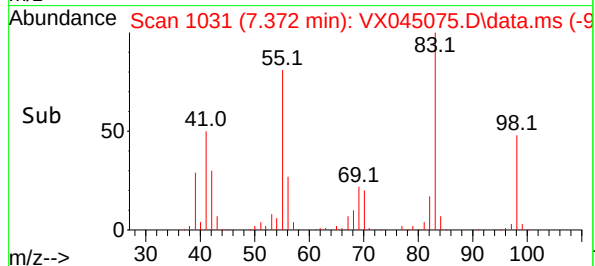
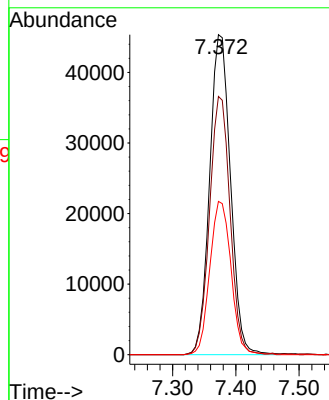
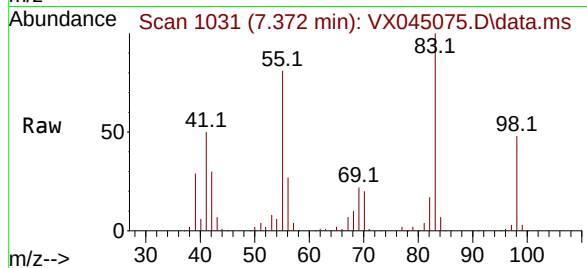
98 47.9 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#40

Benzene

Concen: 51.195 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX045075.D

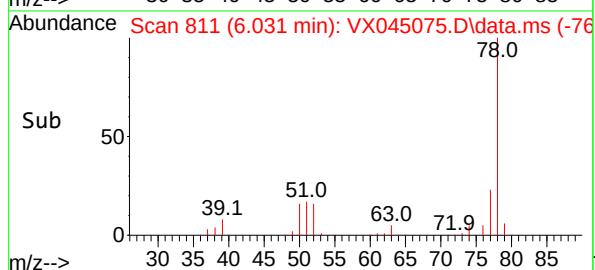
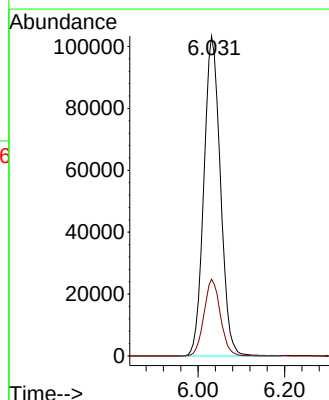
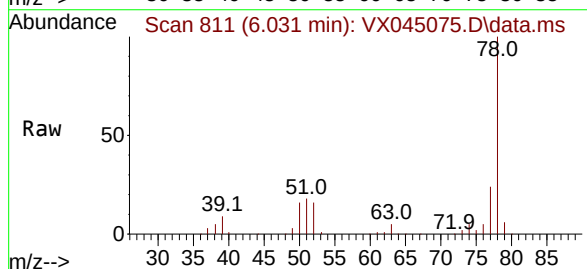
Acq: 28 Feb 2025 04:33

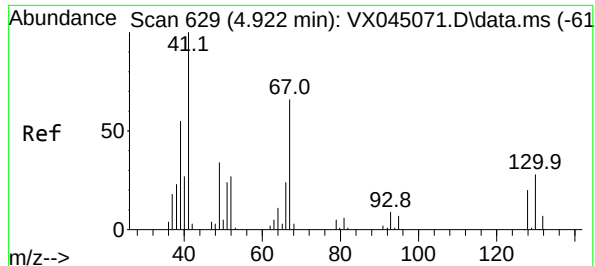
Tgt Ion: 78 Resp: 274206

Ion Ratio Lower Upper

78 100

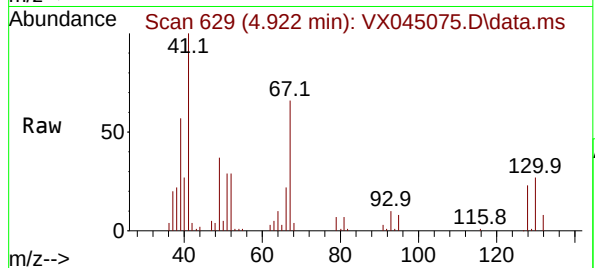
77 24.0 18.8 28.2





#41
Methacrylonitrile
Concen: 53.352 ug/l
RT: 4.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

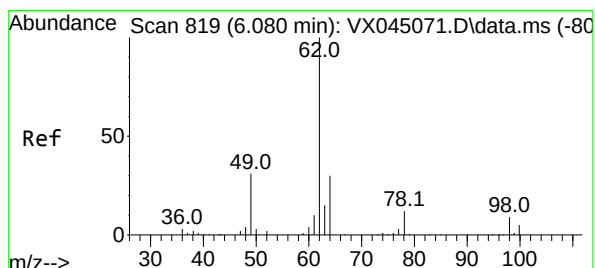
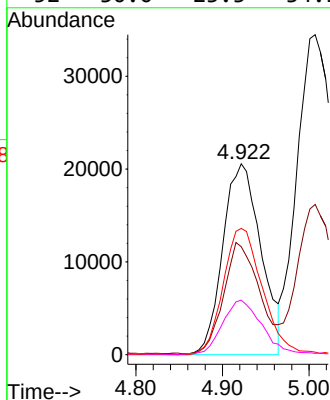
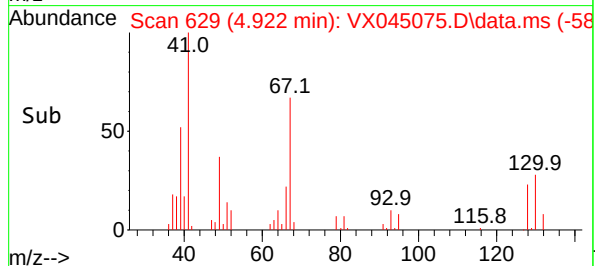
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825



Tgt Ion: 41 Resp: 6305
Ion Ratio Lower Upper
41 100
39 55.0 44.6 67.0
67 68.1 53.9 80.9
52 30.0 23.3 34.9

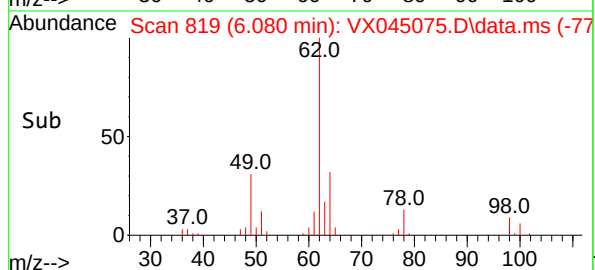
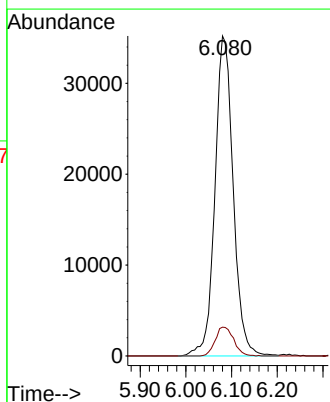
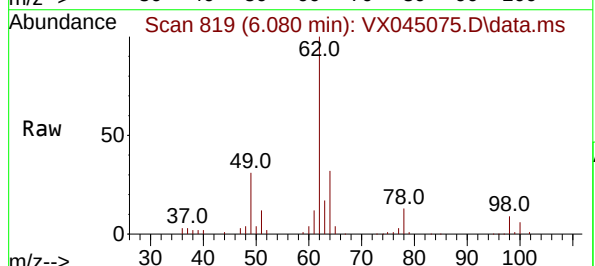
Manual Integrations
APPROVED

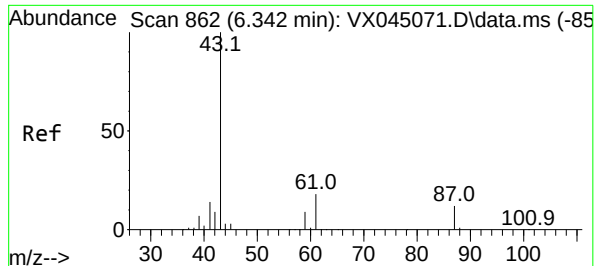
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#42
1,2-Dichloroethane
Concen: 50.718 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 62 Resp: 97821
Ion Ratio Lower Upper
62 100
98 9.1 0.0 18.2





#43

Isopropyl Acetate

Concen: 54.452 ug/l

RT: 6.342 min Scan# 80

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Instrument :

MSVOA_X

ClientSampleId :

ICVX022825

Tgt Ion: 43 Resp: 17598

Ion Ratio Lower Upper

43

100

61

87

18.5 14.9 22.3

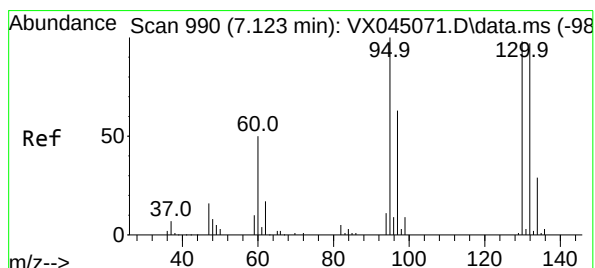
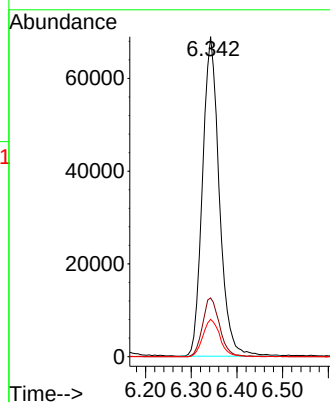
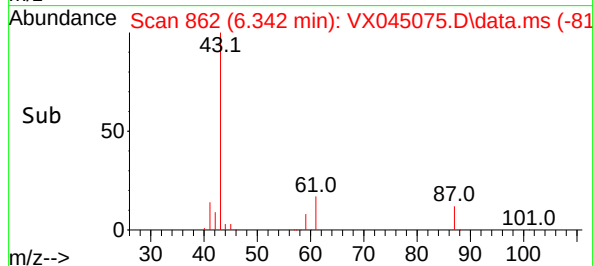
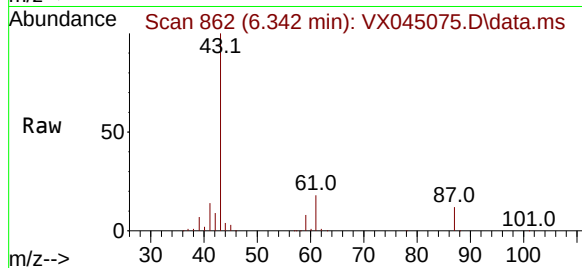
11.8 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#44

Trichloroethene

Concen: 48.924 ug/l

RT: 7.122 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Tgt Ion:130 Resp: 61530

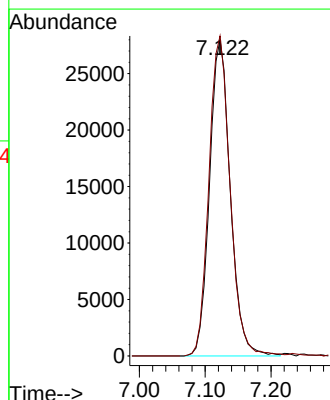
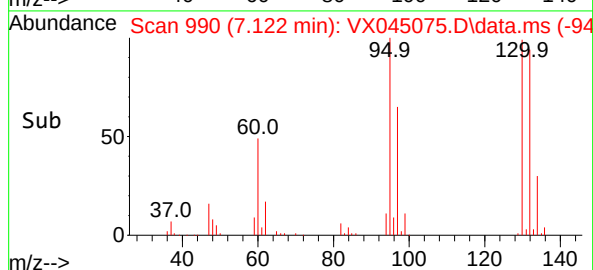
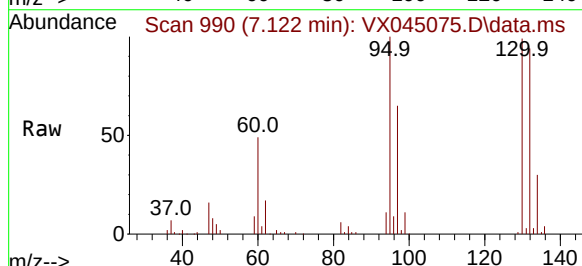
Ion Ratio Lower Upper

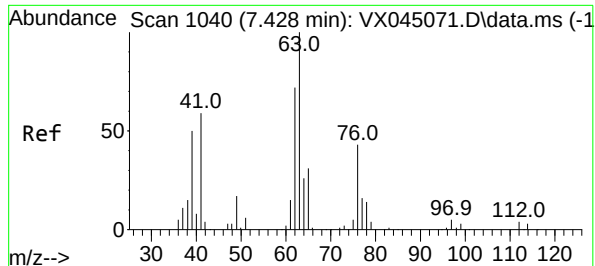
130

100

95

101.1 0.0 205.0





#45

1,2-Dichloropropane

Concen: 51.086 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Instrument :

MSVOA_X

ClientSampleId :

ICVX022825

Tgt Ion: 63 Resp: 70350

Ion Ratio Lower Upper

63 100

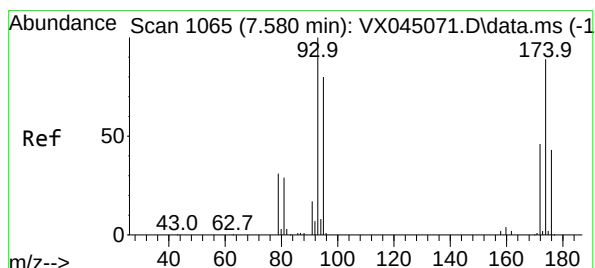
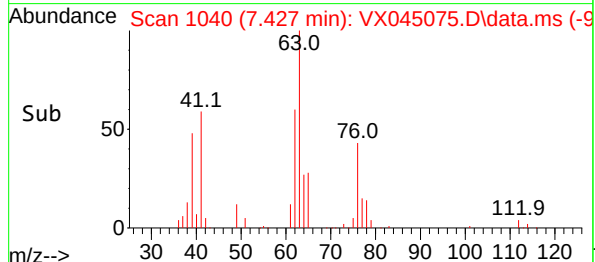
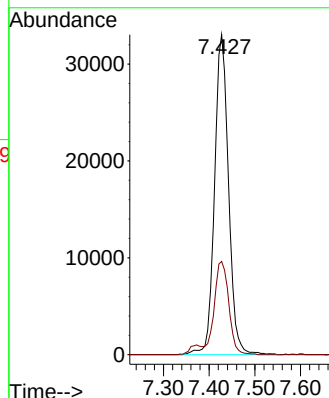
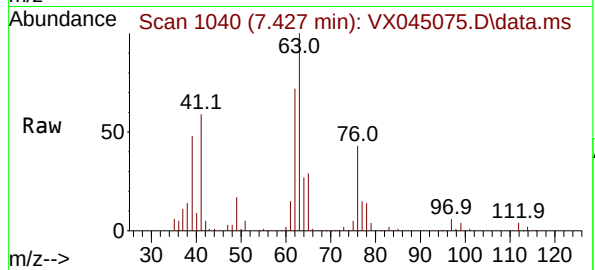
65 29.2 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#46

Dibromomethane

Concen: 51.661 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

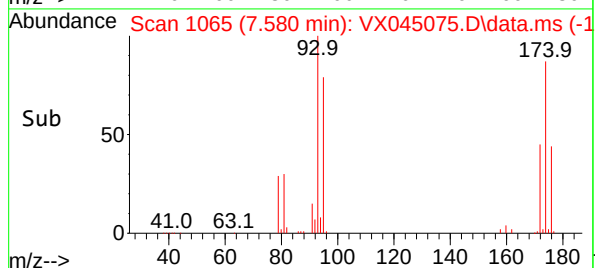
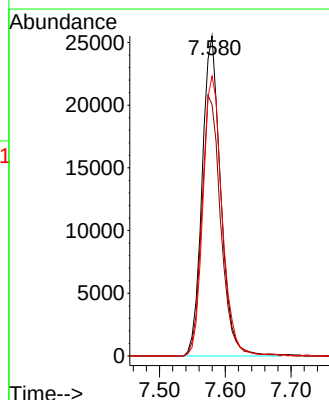
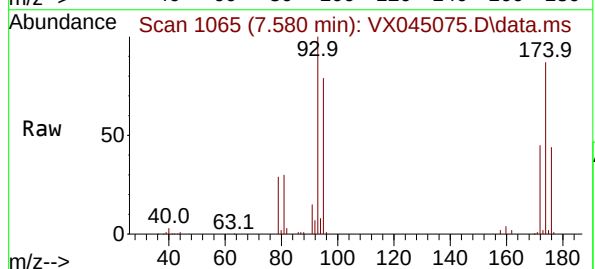
Tgt Ion: 93 Resp: 50284

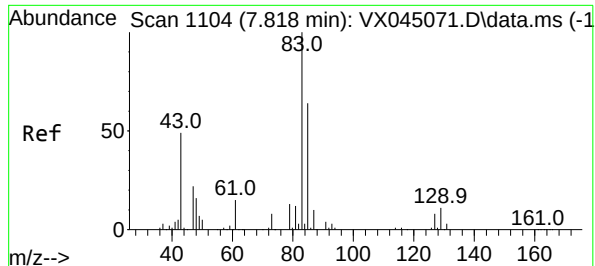
Ion Ratio Lower Upper

93 100

95 82.8 65.8 98.8

174 89.4 72.2 108.2





#47

Bromodichloromethane

Concen: 50.930 ug/l

RT: 7.817 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Instrument :

MSVOA_X

ClientSampleId :

ICVX022825

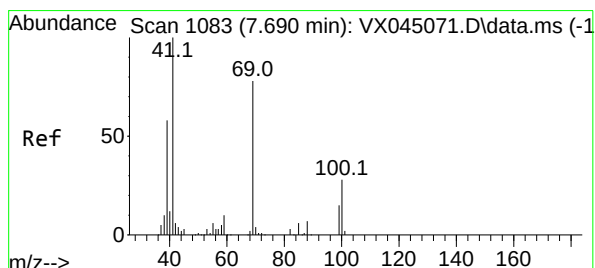
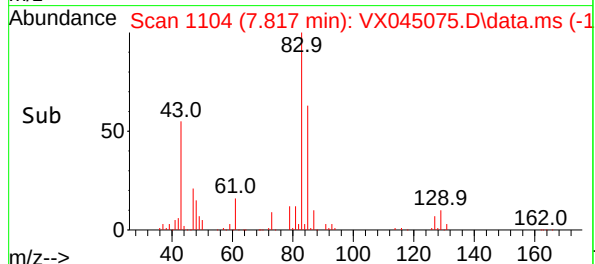
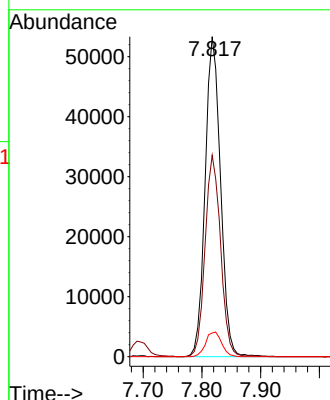
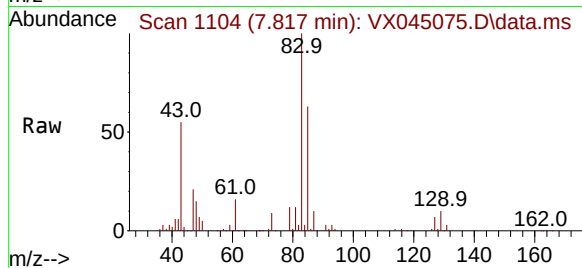
Tgt Ion: 83 Resp: 97230
Ion Ratio Lower Upper
83 100
85 63.0 51.1 76.7
127 7.4 6.4 9.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#48

Methyl methacrylate

Concen: 54.016 ug/l

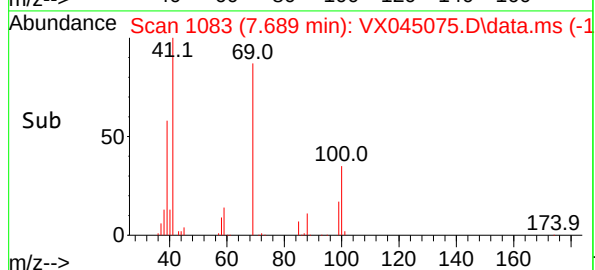
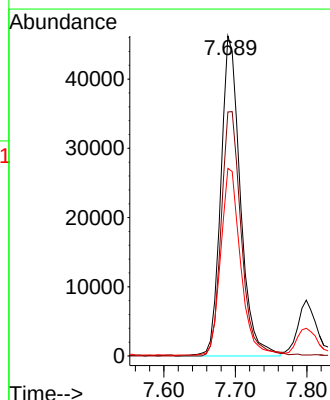
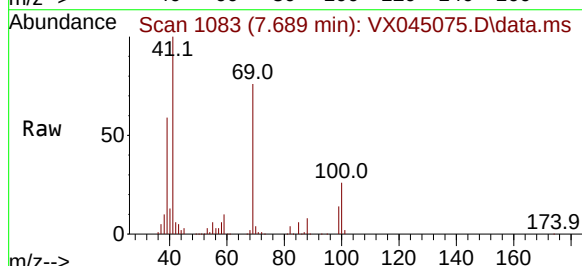
RT: 7.689 min Scan# 1083

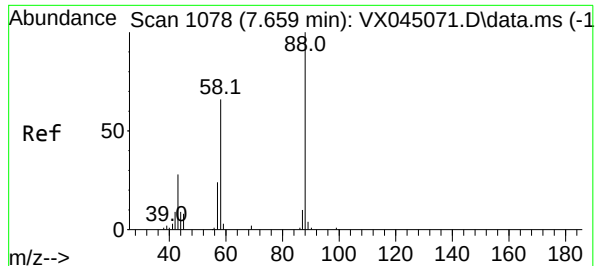
Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Tgt Ion: 41 Resp: 87582
Ion Ratio Lower Upper
41 100
69 78.5 63.0 94.6
39 59.4 47.5 71.3





#49

1,4-Dioxane

Concen: 1049.007 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Instrument :

MSVOA_X

ClientSampleId :

ICVX022825

Tgt Ion: 88 Resp: 35878

Ion Ratio Lower Upper

88 100

43 34.3 28.7 43.1

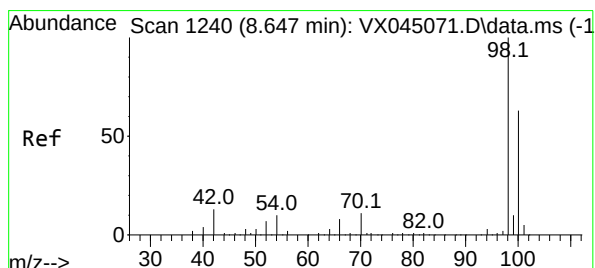
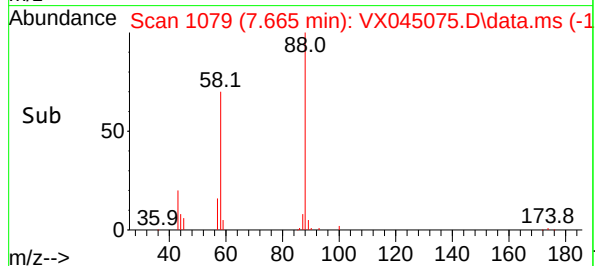
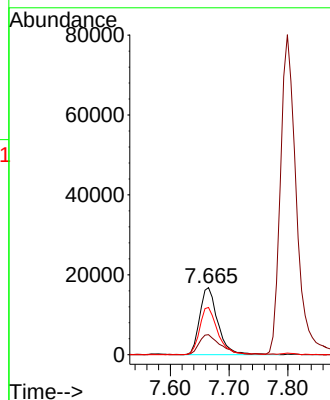
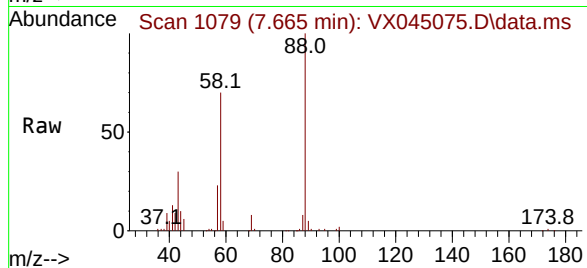
58 70.8 55.8 83.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#50

Toluene-d8

Concen: 50.364 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045075.D

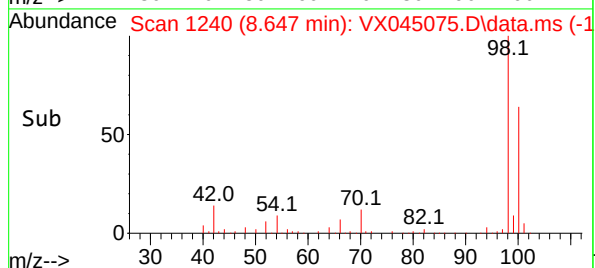
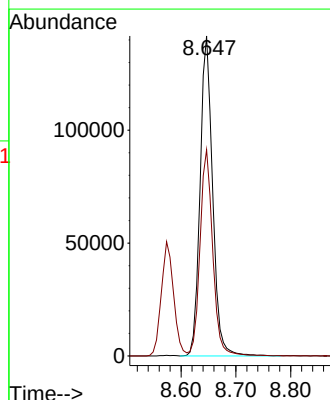
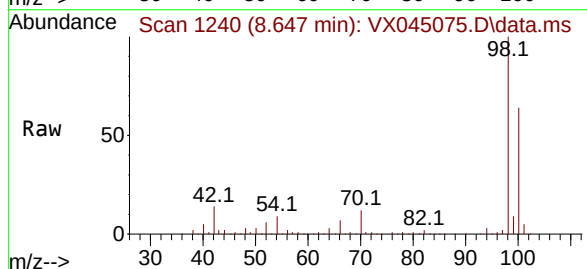
Acq: 28 Feb 2025 04:33

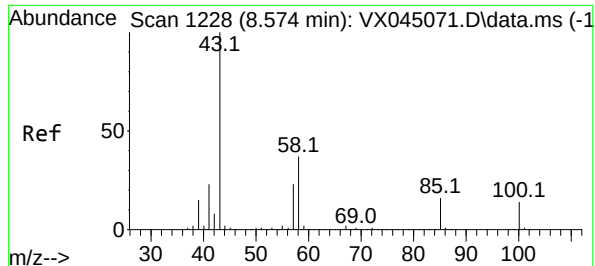
Tgt Ion: 98 Resp: 225823

Ion Ratio Lower Upper

98 100

100 65.6 52.0 78.0





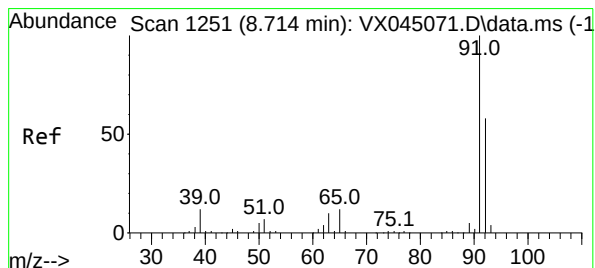
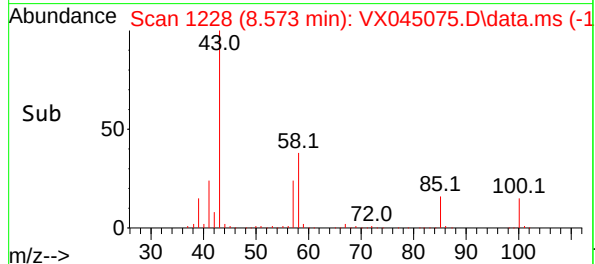
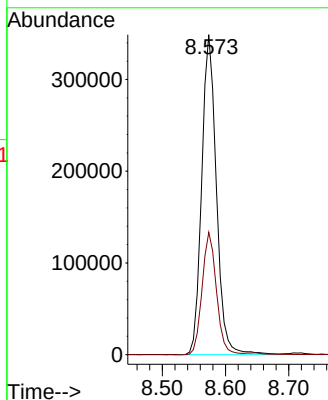
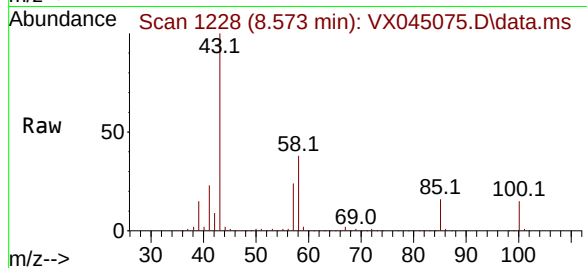
#51
4-Methyl-2-Pentanone
Concen: 259.995 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 56419
Ion Ratio Lower Upper
43 100
58 37.3 29.2 43.8

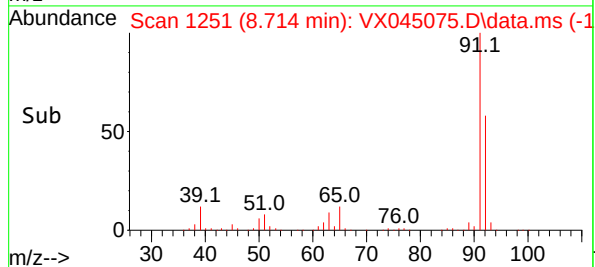
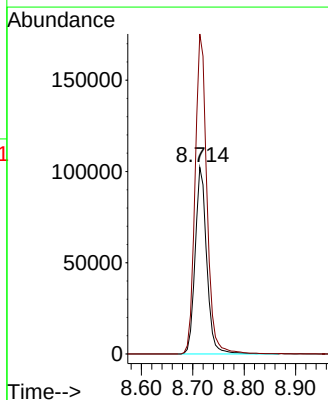
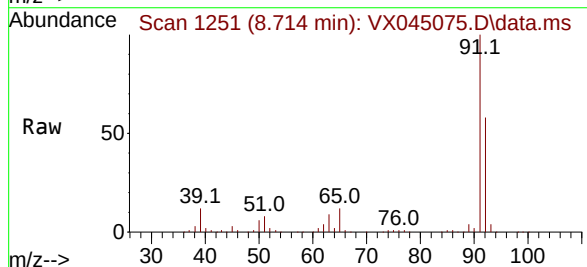
Manual Integrations
APPROVED

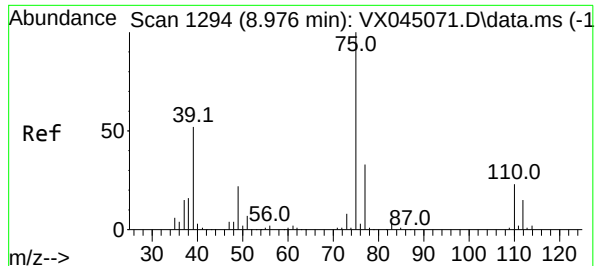
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#52
Toluene
Concen: 51.020 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 92 Resp: 160331
Ion Ratio Lower Upper
92 100
91 175.1 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 54.247 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Instrument :

MSVOA_X

ClientSampleId :

ICVX022825

Tgt Ion: 75 Resp: 86584

Ion Ratio Lower Upper

75 100

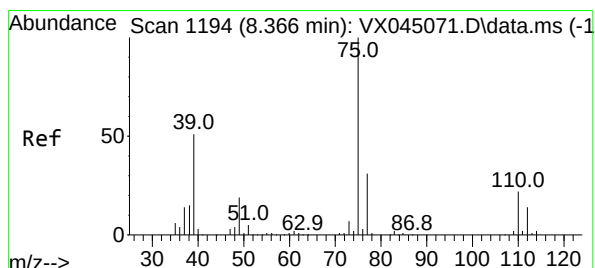
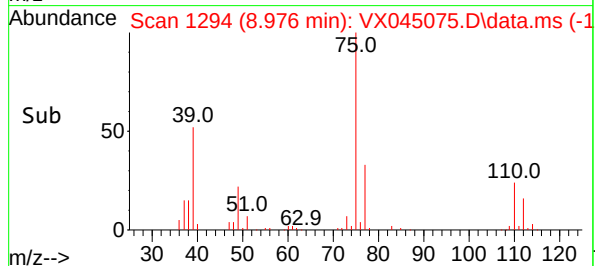
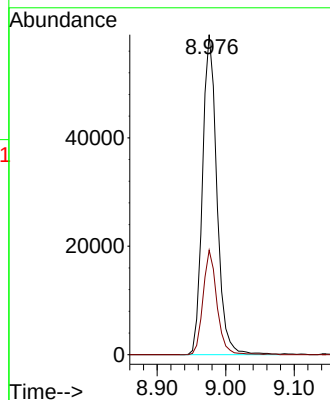
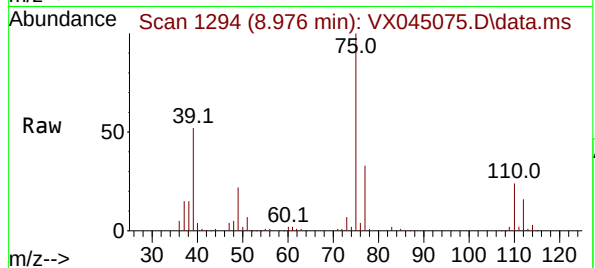
77 32.7 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#54

cis-1,3-Dichloropropene

Concen: 52.732 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

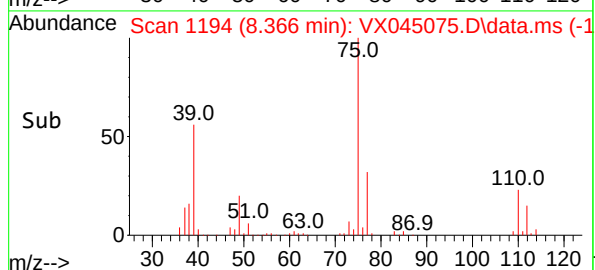
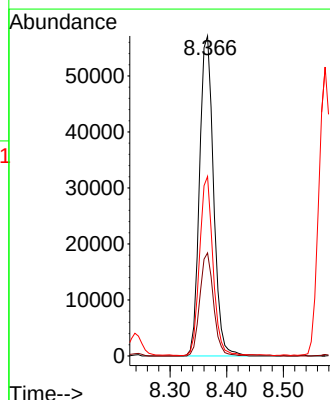
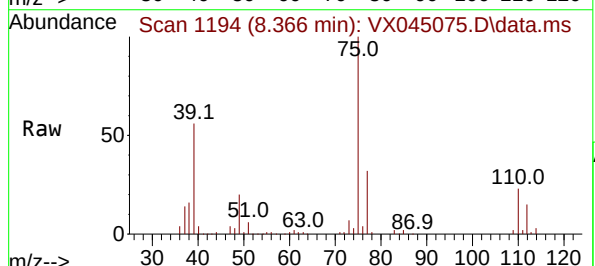
Tgt Ion: 75 Resp: 98146

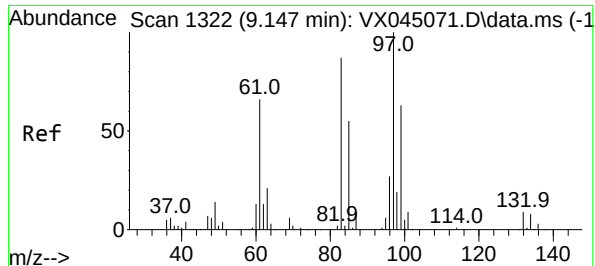
Ion Ratio Lower Upper

75 100

77 32.2 24.7 37.1

39 56.0 40.7 61.1





#55

1,1,2-Trichloroethane

Concen: 50.232 ug/l

RT: 9.146 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Instrument :

MSVOA_X

ClientSampleId :

ICVX022825

Tgt Ion: 97 Resp: 6498

Ion Ratio Lower Upper

97 100

83 87.8 69.4 104.2

85 55.6 44.1 66.1

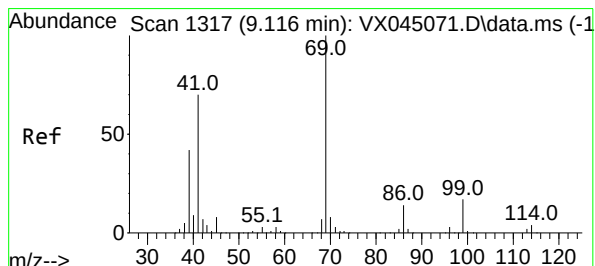
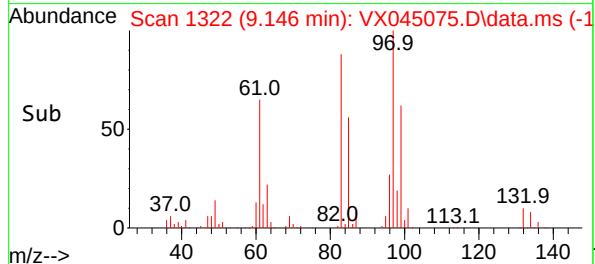
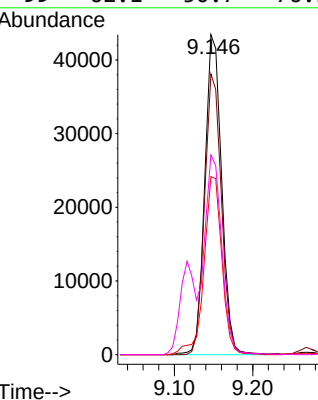
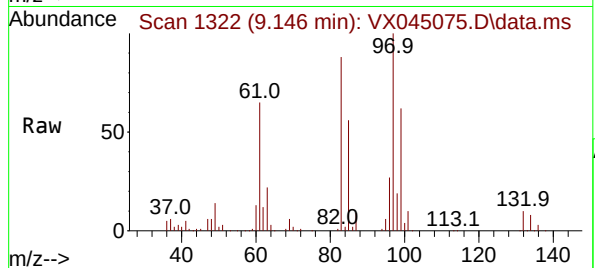
99 62.1 50.7 76.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#56

Ethyl methacrylate

Concen: 54.109 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

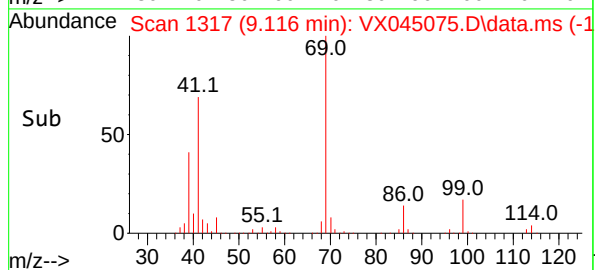
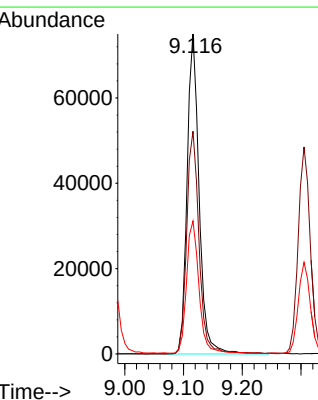
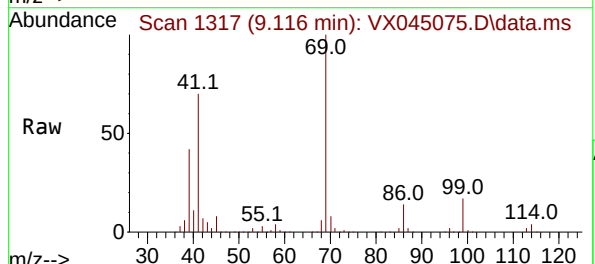
Tgt Ion: 69 Resp: 106405

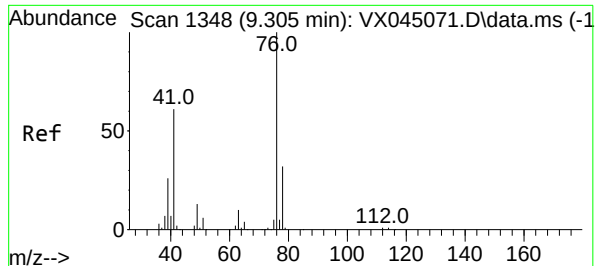
Ion Ratio Lower Upper

69 100

41 71.5 57.0 85.4

39 43.2 34.2 51.4





#57

1,3-Dichloropropane

Concen: 51.312 ug/l

RT: 9.305 min Scan# 11488

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Instrument :

MSVOA_X

ClientSampleId :

ICVX022825

Tgt Ion: 76 Resp: 11488

Ion Ratio Lower Upper

76 100

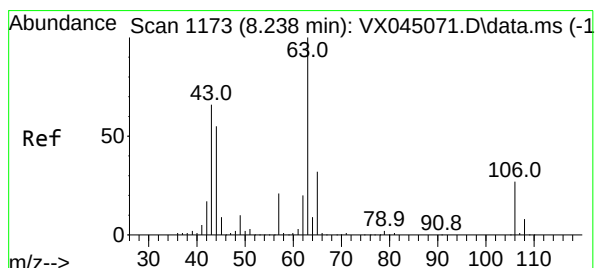
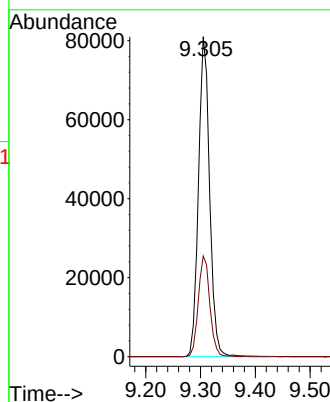
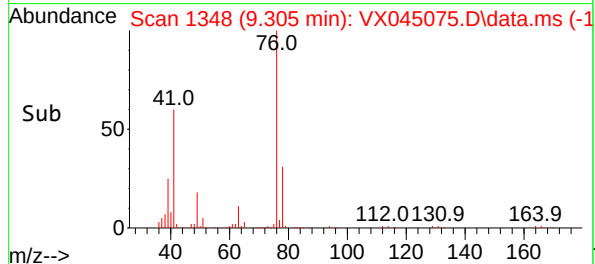
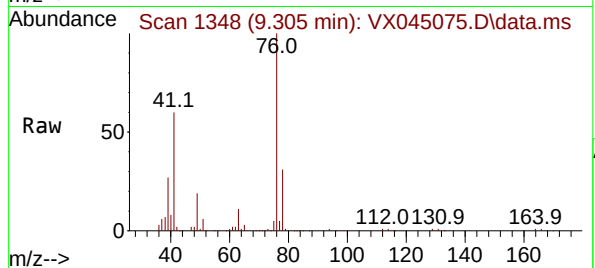
78 32.5 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#58

2-Chloroethyl Vinyl ether

Concen: 275.557 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX045075.D

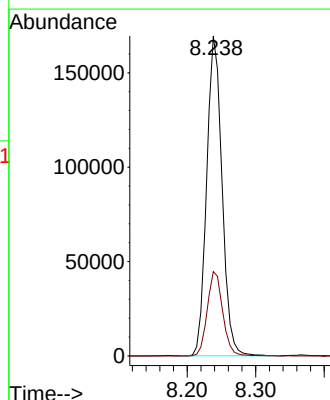
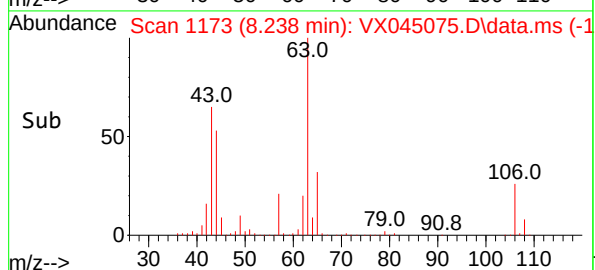
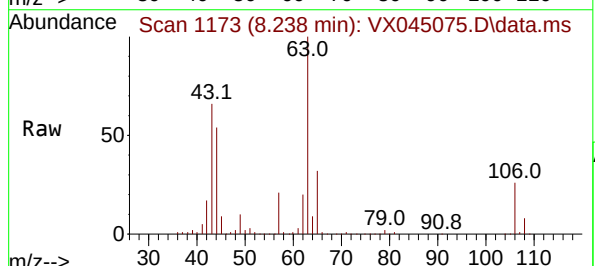
Acq: 28 Feb 2025 04:33

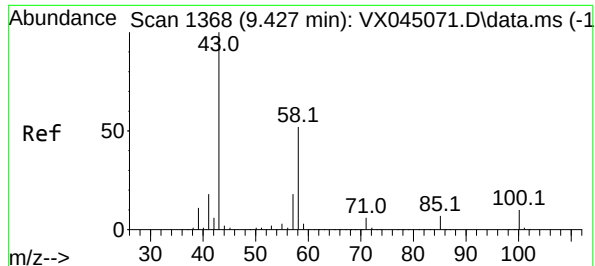
Tgt Ion: 63 Resp: 264335

Ion Ratio Lower Upper

63 100

106 26.5 21.5 32.3





#59

2-Hexanone

Concen: 265.049 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Instrument :

MSVOA_X

ClientSampleId :

ICVX022825

Tgt Ion: 43 Resp: 41673

Ion Ratio Lower Upper

43 100

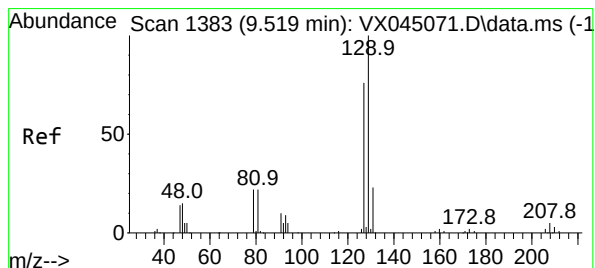
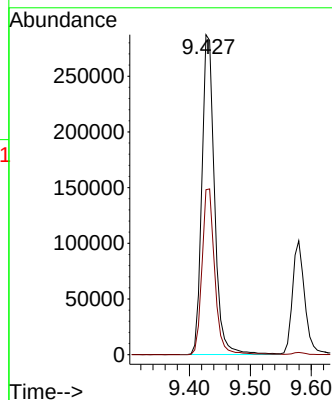
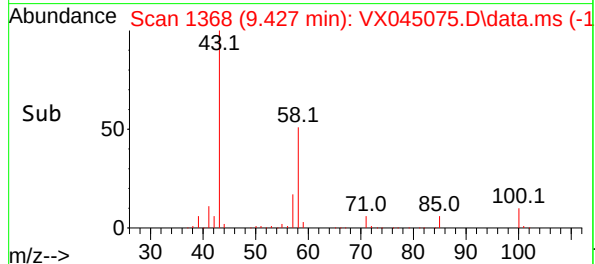
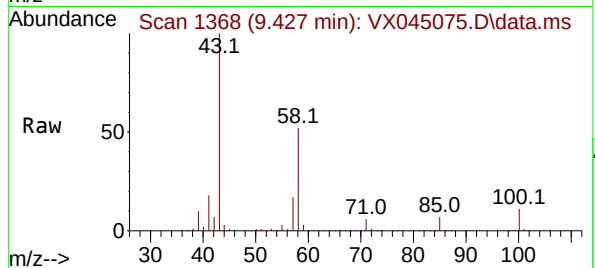
58 52.2 25.9 77.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#60

Dibromochloromethane

Concen: 51.374 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX045075.D

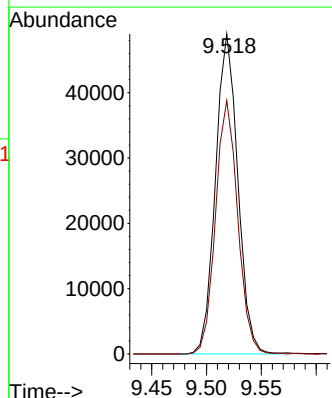
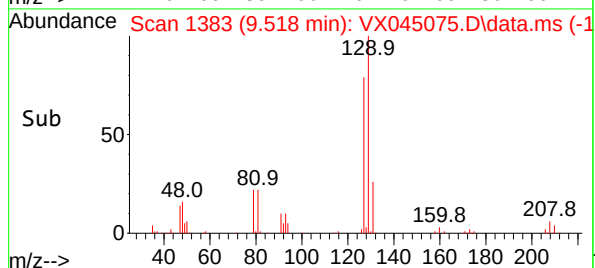
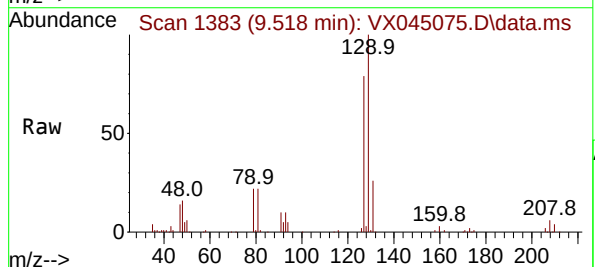
Acq: 28 Feb 2025 04:33

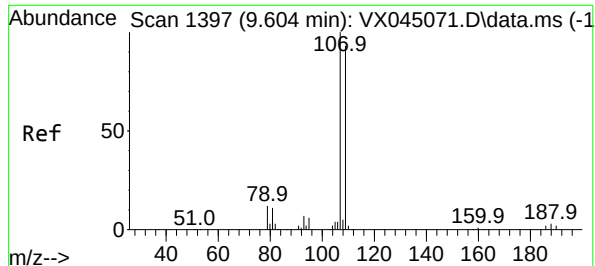
Tgt Ion:129 Resp: 69492

Ion Ratio Lower Upper

129 100

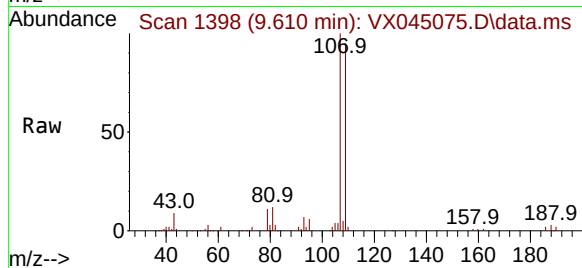
127 78.6 38.5 115.5





#61
1,2-Dibromoethane
Concen: 51.492 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

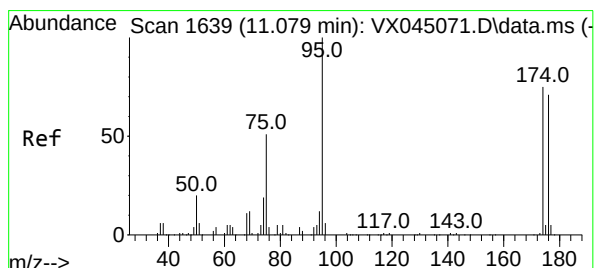
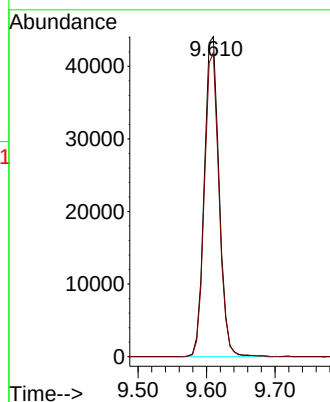
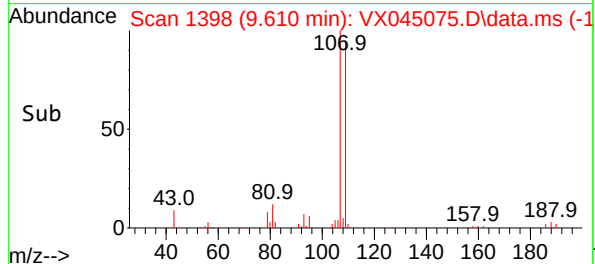
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825



Tgt Ion:107 Resp: 6650
Ion Ratio Lower Upper
107 100
109 93.8 76.1 114.1

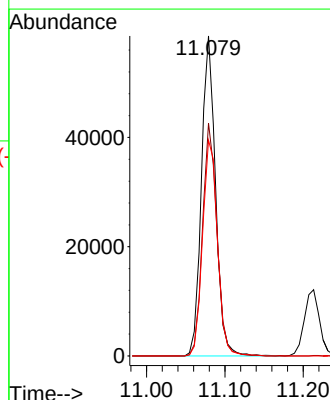
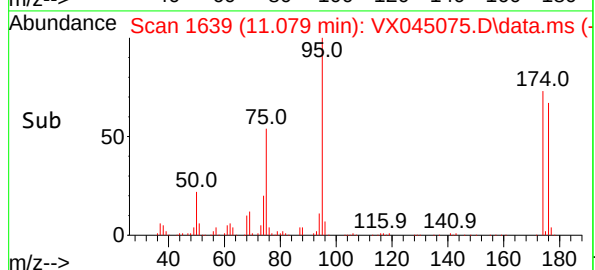
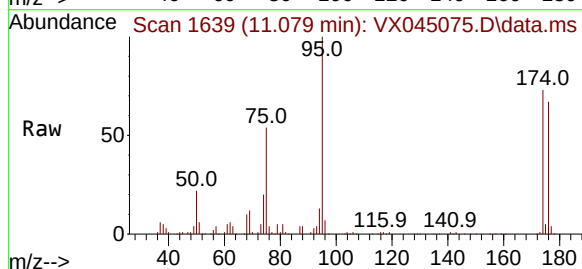
Manual Integrations
APPROVED

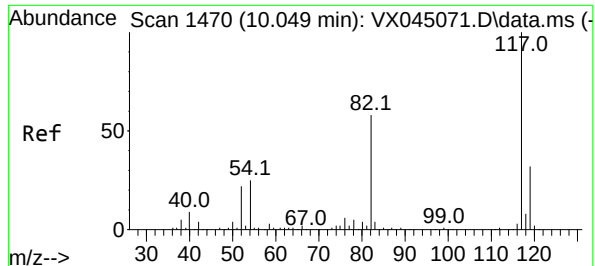
Reviewed By :John Carbone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#62
4-Bromofluorobenzene
Concen: 49.240 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

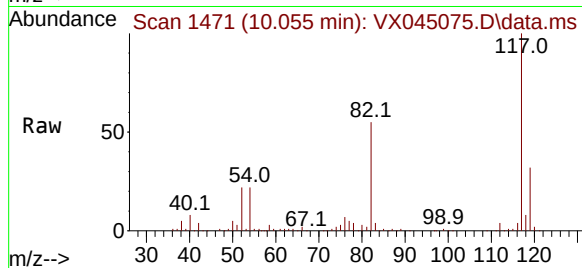
Tgt Ion: 95 Resp: 73162
Ion Ratio Lower Upper
95 100
174 74.0 0.0 148.2
176 71.3 0.0 141.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

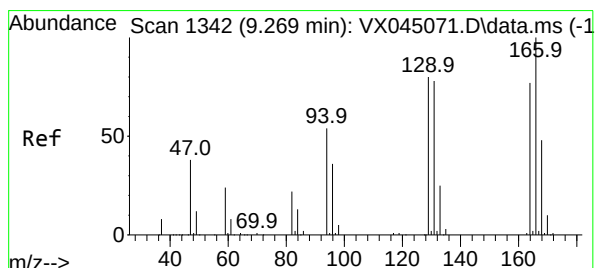
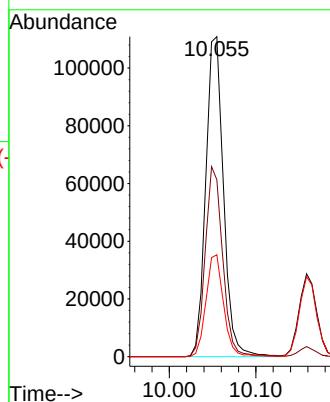
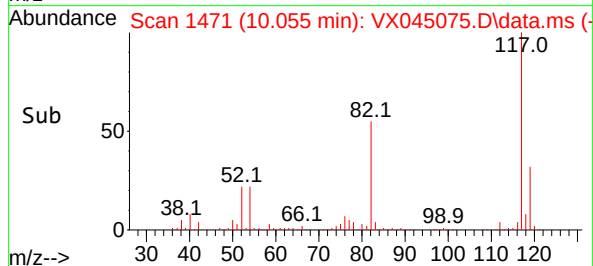
Instrument :
MSVOA_X
ClientSampleId :
ICVX022825



Tgt Ion:117 Resp: 15779
Ion Ratio Lower Upper
117 100
82 55.3 46.3 69.5
119 31.9 25.7 38.5

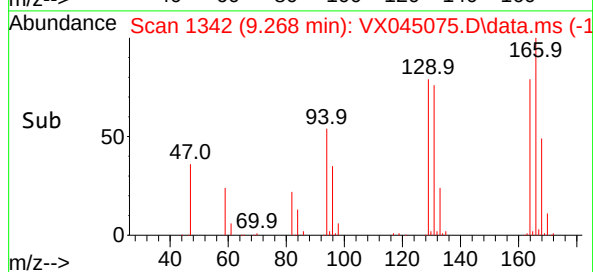
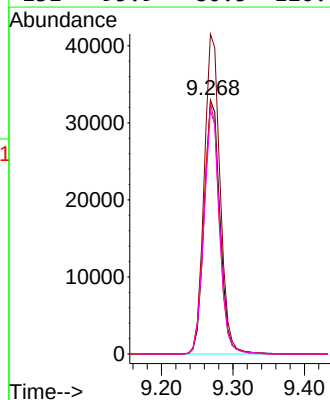
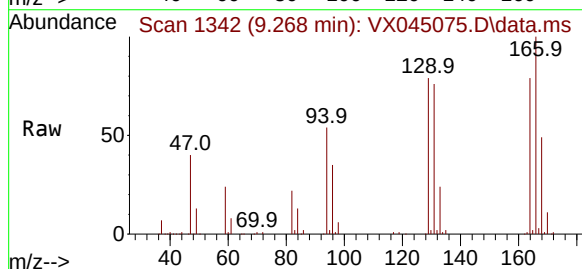
Manual Integrations
APPROVED

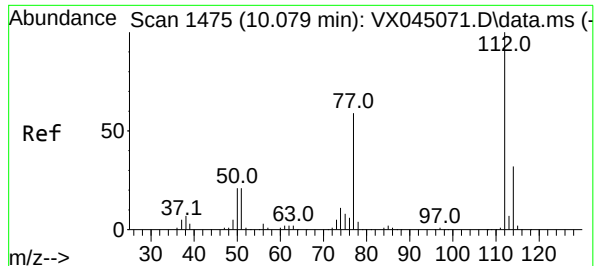
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#64
Tetrachloroethene
Concen: 50.126 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:164 Resp: 50659
Ion Ratio Lower Upper
164 100
166 126.0 103.6 155.4
129 99.0 82.7 124.1
131 95.9 80.5 120.7





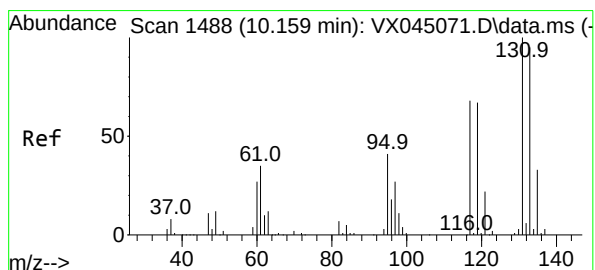
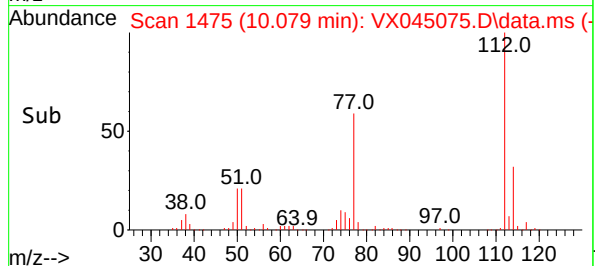
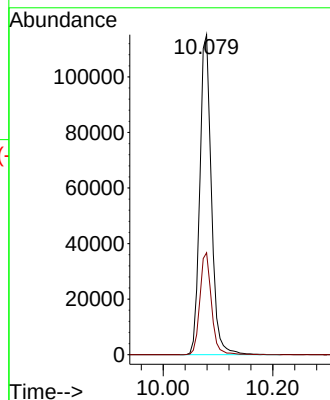
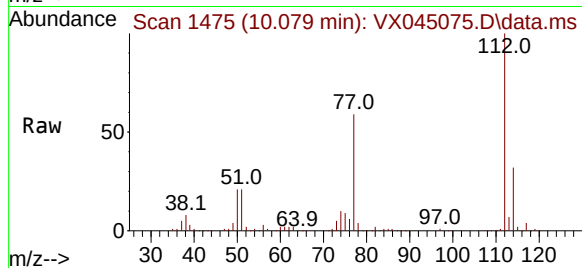
#65
Chlorobenzene
Concen: 50.580 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVX022825

Tgt Ion:112 Resp: 16888
Ion Ratio Lower Upper
112 100
114 31.9 26.0 39.0

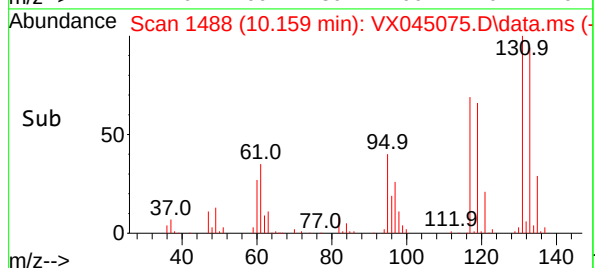
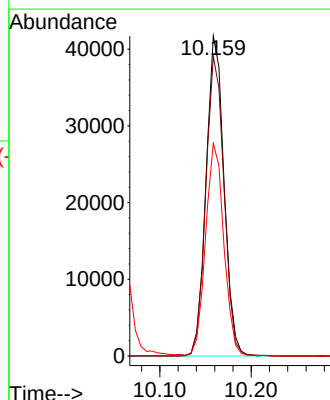
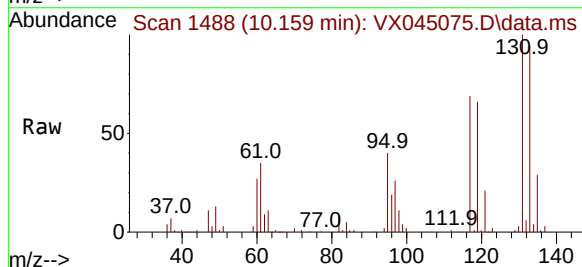
Manual Integrations
APPROVED

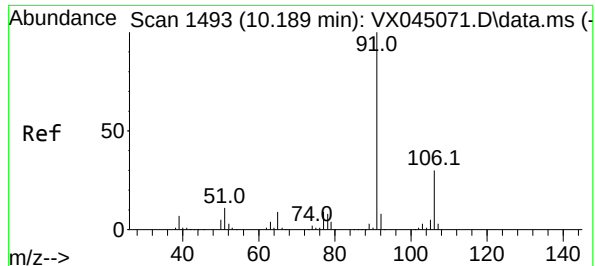
Reviewed By :John Carbone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 51.102 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

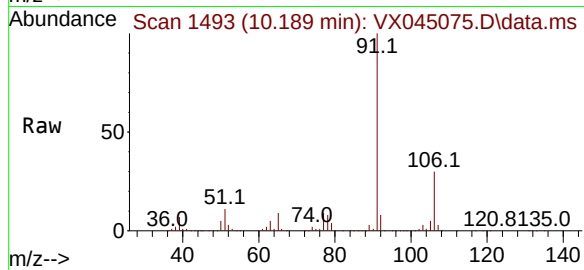
Tgt Ion:131 Resp: 56822
Ion Ratio Lower Upper
131 100
133 94.9 48.6 145.9
119 67.6 33.9 101.7





#67
Ethyl Benzene
Concen: 51.621 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

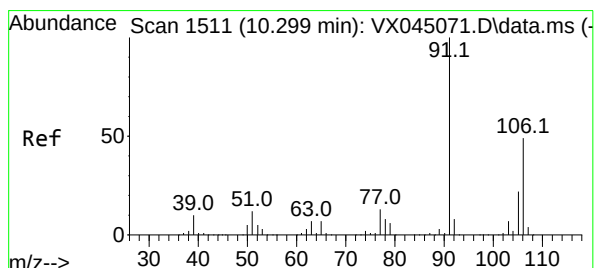
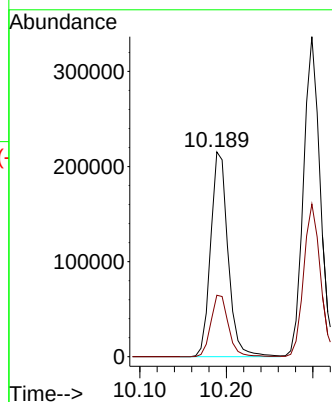
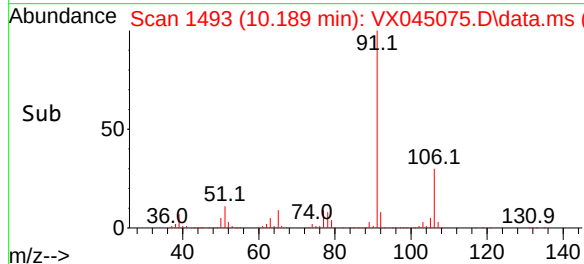
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825



Tgt Ion: 91 Resp: 300324
Ion Ratio Lower Upper
91 100
106 30.0 23.9 35.9

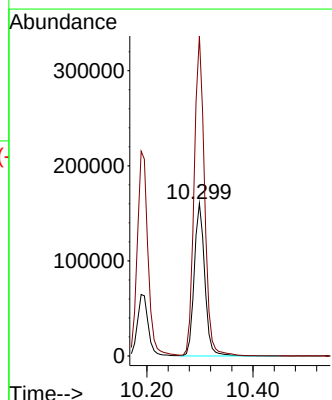
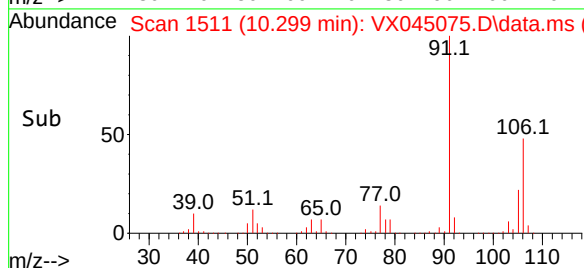
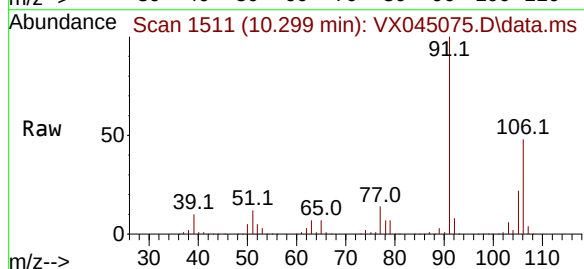
Manual Integrations
APPROVED

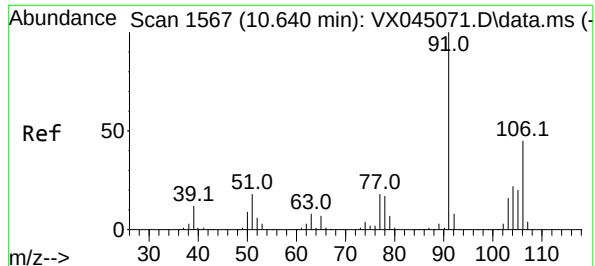
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#68
m/p-Xylenes
Concen: 103.454 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:106 Resp: 220335
Ion Ratio Lower Upper
106 100
91 207.8 165.4 248.0





#69

o-Xylene

Concen: 50.668 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Instrument :

MSVOA_X

ClientSampleId :

ICVX022825

Tgt Ion:106 Resp: 108830

Ion Ratio Lower Upper

106 100

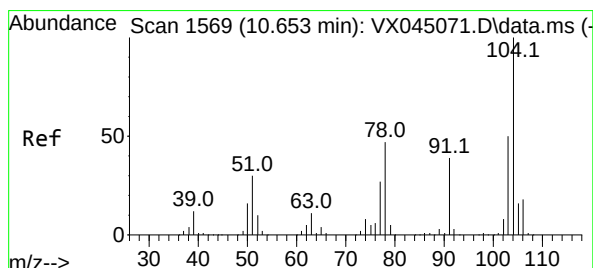
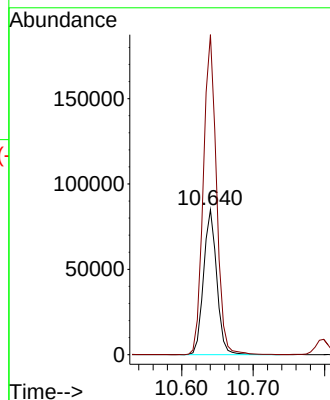
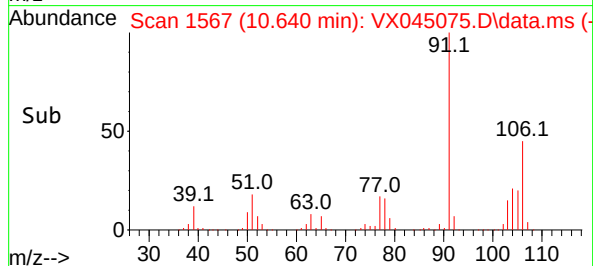
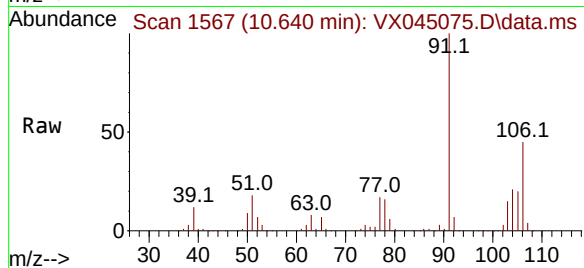
91 220.5 109.9 329.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#70

Styrene

Concen: 52.177 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

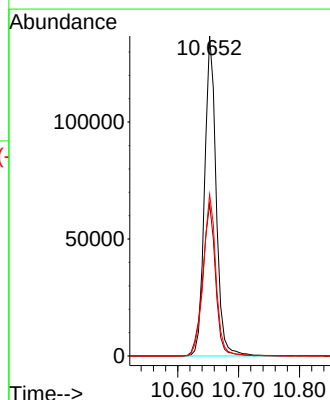
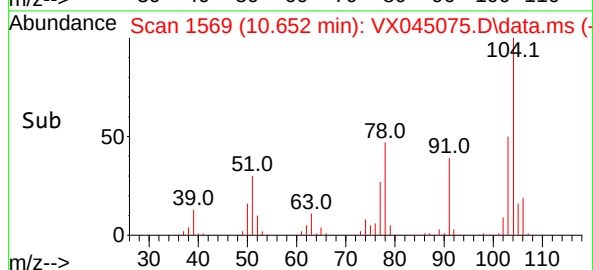
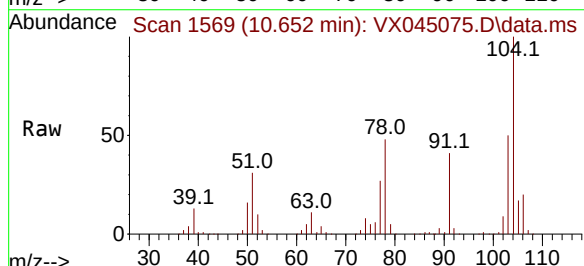
Tgt Ion:104 Resp: 181349

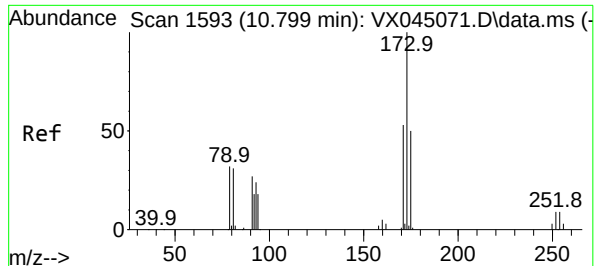
Ion Ratio Lower Upper

104 100

78 52.8 42.2 63.4

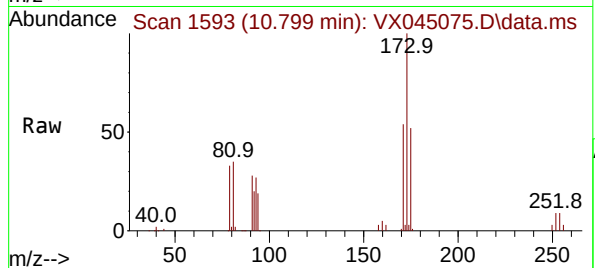
103 55.1 43.8 65.8





#71
Bromoform
Concen: 52.636 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

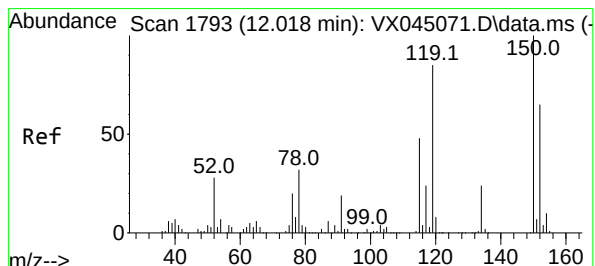
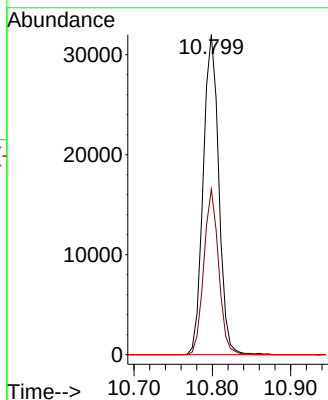
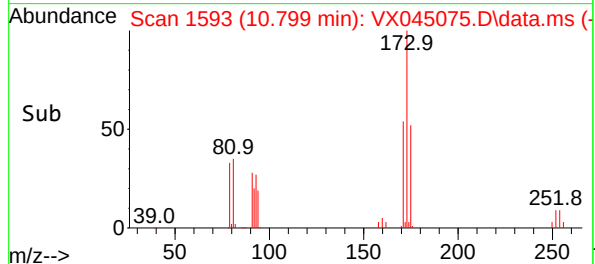
Instrument :
MSVOA_X
ClientSampleId :
ICVX022825



Tgt Ion:173 Resp: 4413
Ion Ratio Lower Upper
173 100
175 49.3 24.6 73.6
254 0.0 0.0 0.0

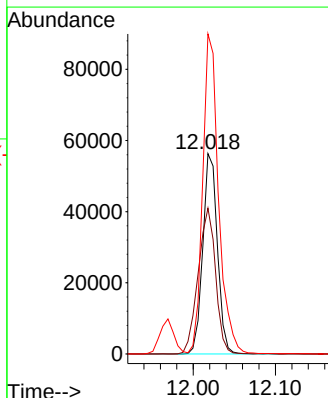
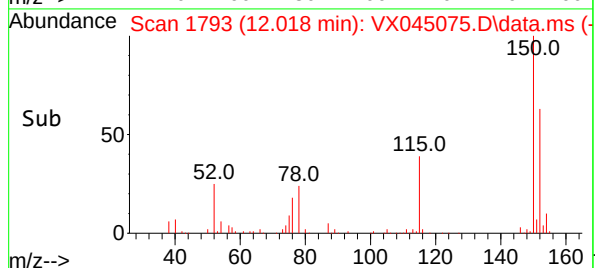
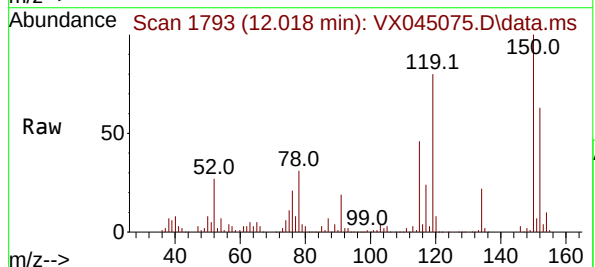
Manual Integrations
APPROVED

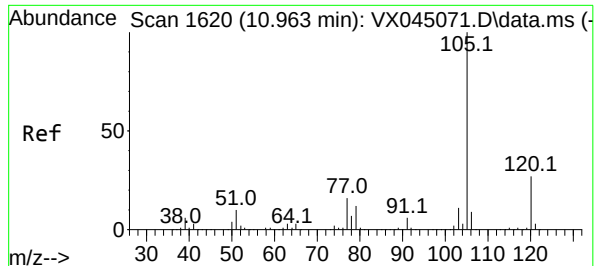
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

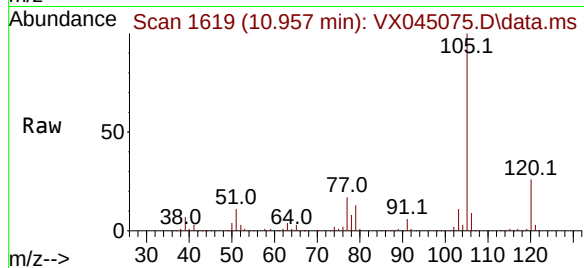
Tgt Ion:152 Resp: 69357
Ion Ratio Lower Upper
152 100
115 86.9 44.2 132.6
150 174.3 0.0 349.0





#73
Isopropylbenzene
Concen: 51.589 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

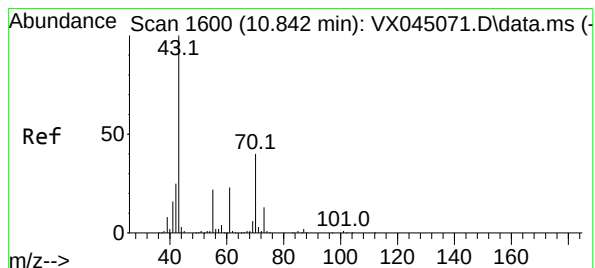
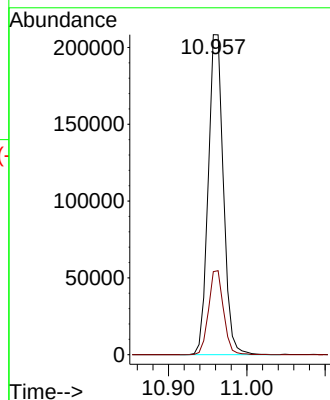
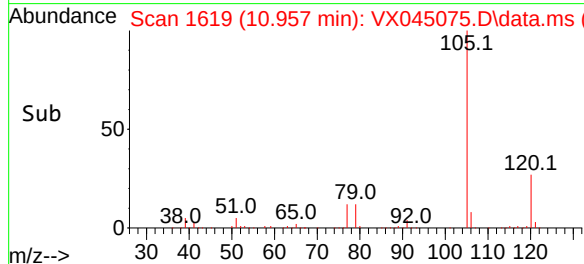
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825



Tgt Ion:105 Resp: 279278
Ion Ratio Lower Upper
105 100
120 25.9 13.2 39.5

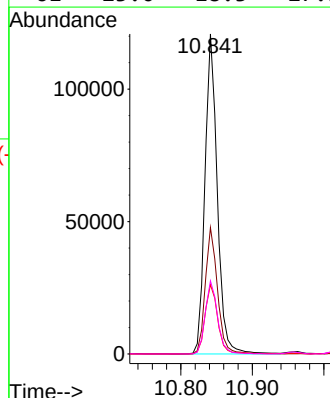
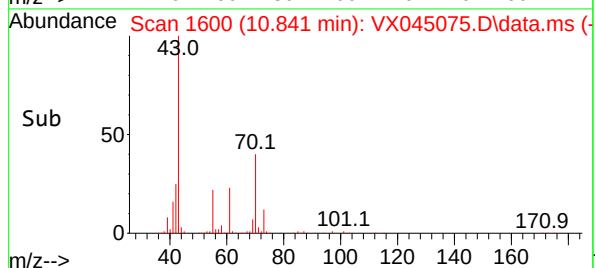
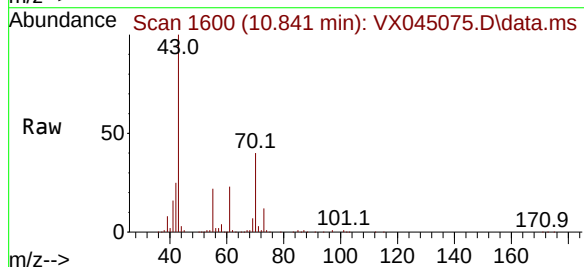
Manual Integrations
APPROVED

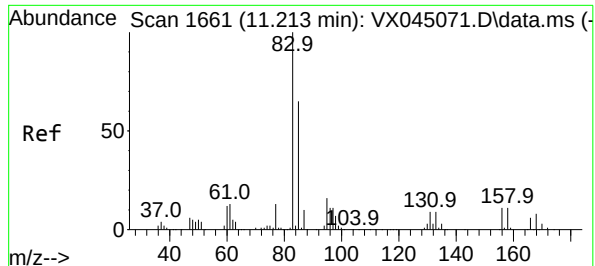
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#74
N-ethyl acetate
Concen: 56.851 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

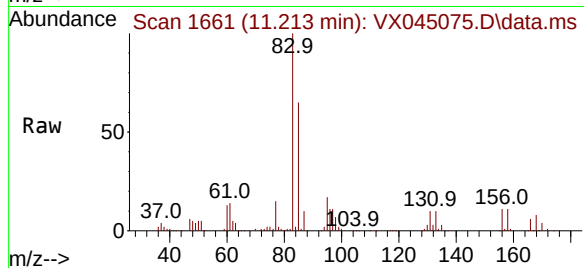
Tgt Ion: 43 Resp: 144412
Ion Ratio Lower Upper
43 100
70 39.5 31.8 47.6
55 22.3 18.3 27.5
61 23.0 18.3 27.5





#75
1,1,2-Tetrachloroethane
Concen: 50.741 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

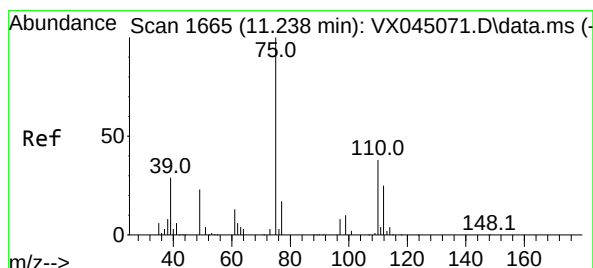
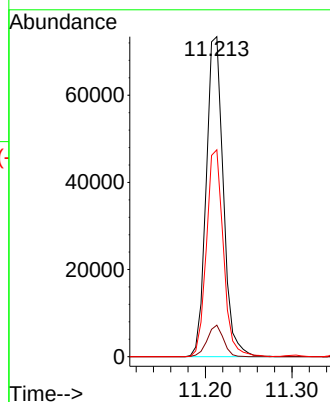
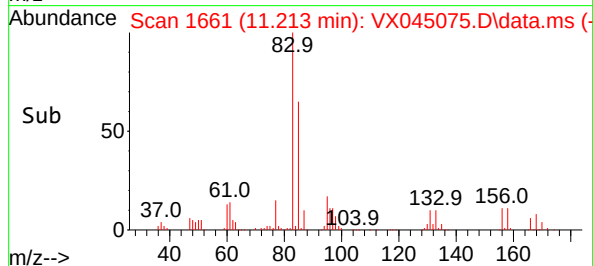
Instrument :
MSVOA_X
ClientSampleId :
ICVX022825



Tgt Ion: 83 Resp: 100800
Ion Ratio Lower Upper
83 100
131 9.4 4.5 13.4
85 64.0 31.7 95.1

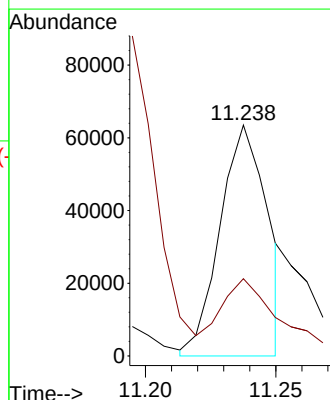
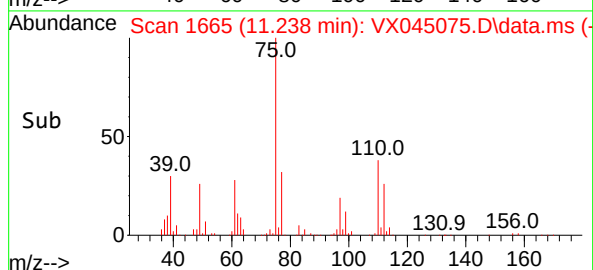
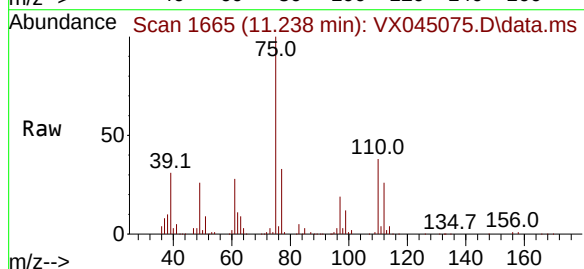
Manual Integrations
APPROVED

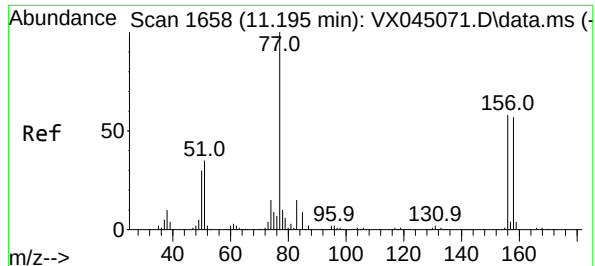
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#76
1,2,3-Trichloropropane
Concen: 49.940 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

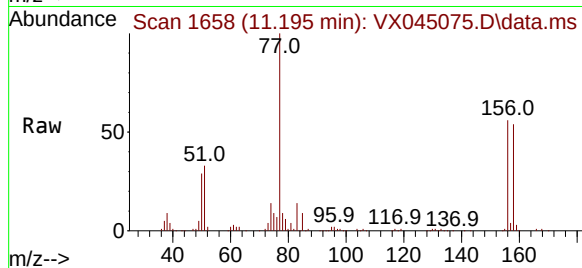
Tgt Ion: 75 Resp: 80618
Ion Ratio Lower Upper
75 100
77 42.5 20.7 62.1





#77
Bromobenzene
Concen: 50.360 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

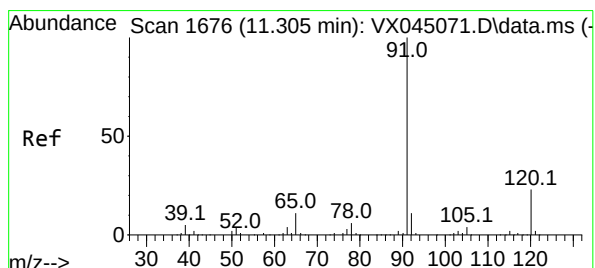
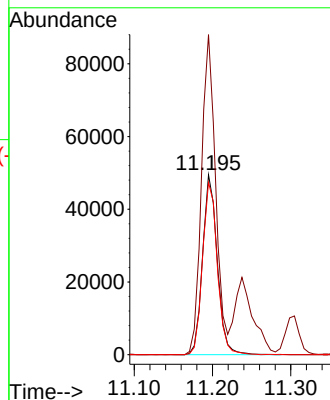
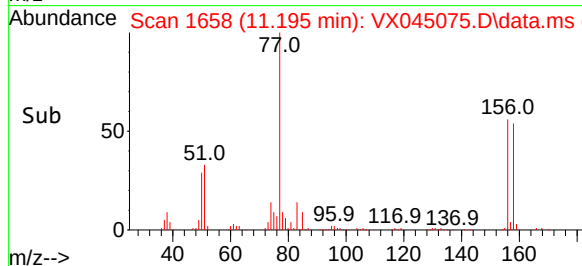
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825



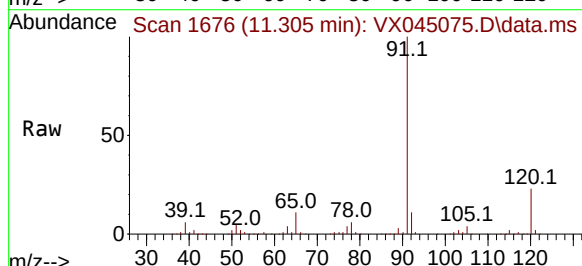
Tgt Ion:156 Resp: 64324
Ion Ratio Lower Upper
156 100
77 172.1 85.8 257.4
158 96.5 48.4 145.2

Manual Integrations
APPROVED

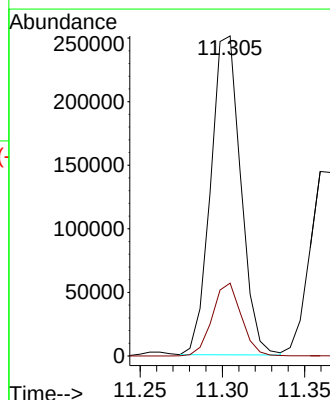
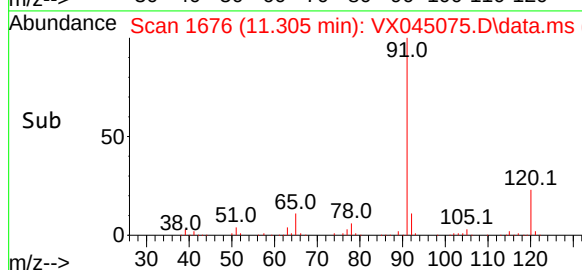
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

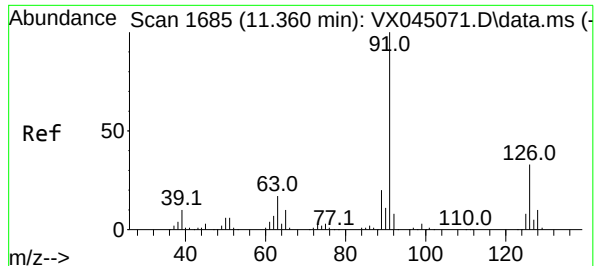


#78
n-propylbenzene
Concen: 52.203 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33



Tgt Ion: 91 Resp: 319235
Ion Ratio Lower Upper
91 100
120 22.2 11.2 33.6





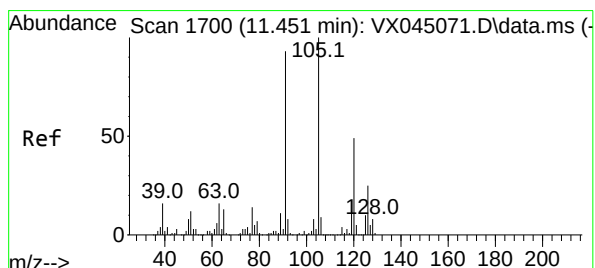
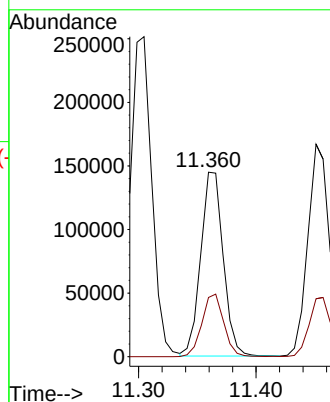
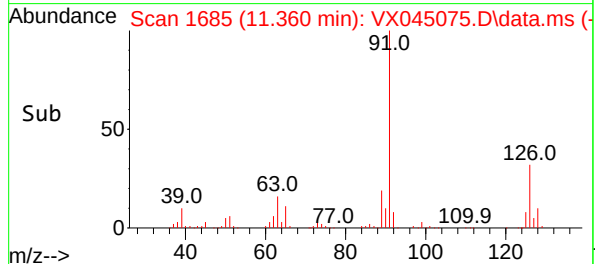
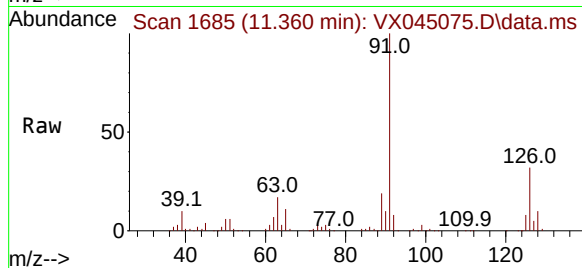
#79
2-Chlorotoluene
Concen: 49.338 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 91 Resp: 192150
Ion Ratio Lower Upper
91 100
126 33.1 16.4 49.4

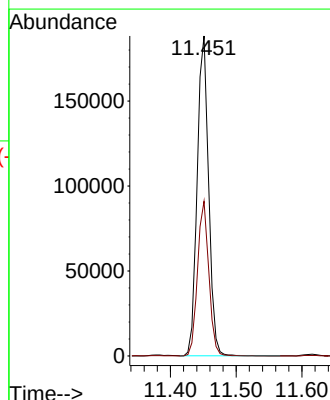
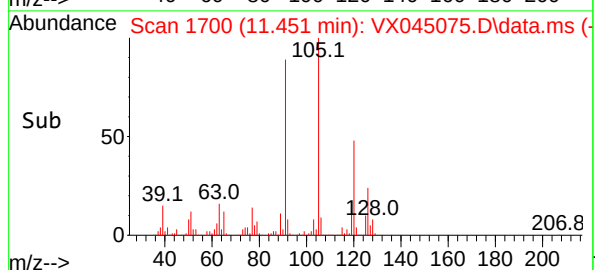
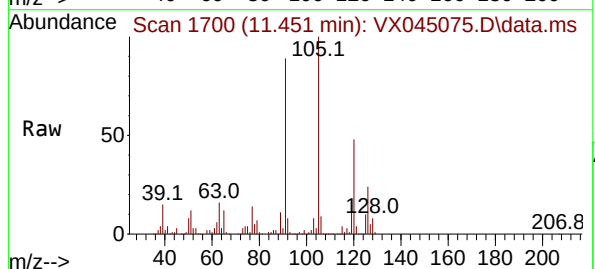
Manual Integrations
APPROVED

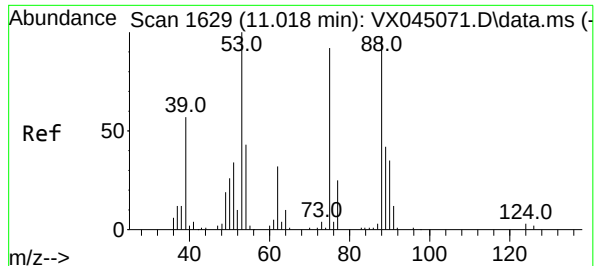
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#80
1,3,5-Trimethylbenzene
Concen: 51.544 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 225622
Ion Ratio Lower Upper
105 100
120 48.0 24.1 72.2





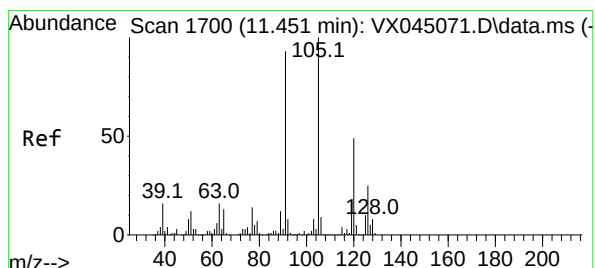
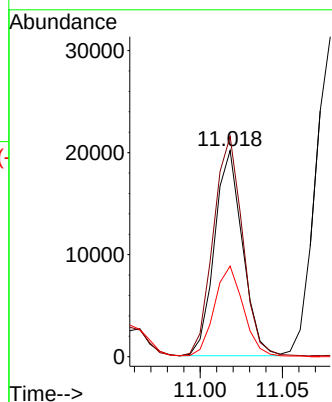
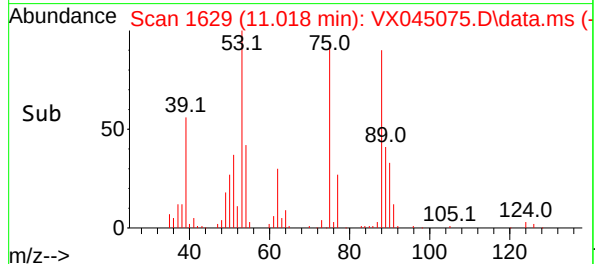
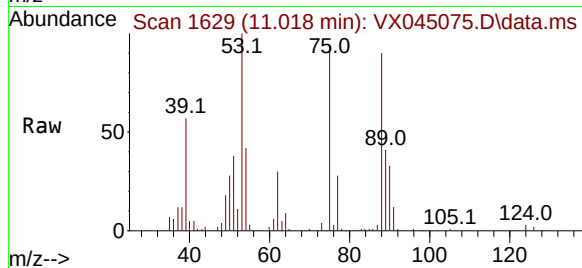
#81
trans-1,4-Dichloro-2-butene
Concen: 50.757 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 75 Resp: 2394
Ion Ratio Lower Upper
75 100
53 111.4 88.5 132.7
89 45.8 36.2 54.4

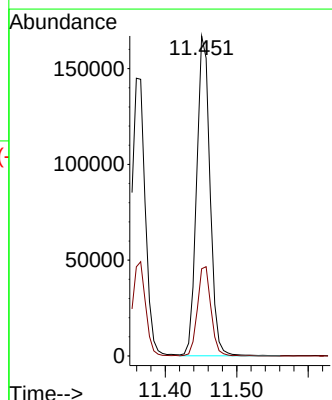
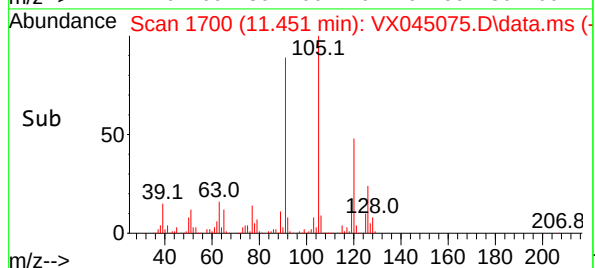
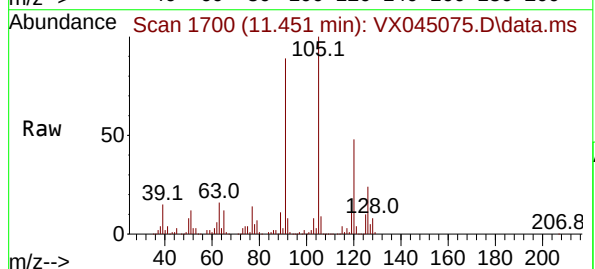
Manual Integrations
APPROVED

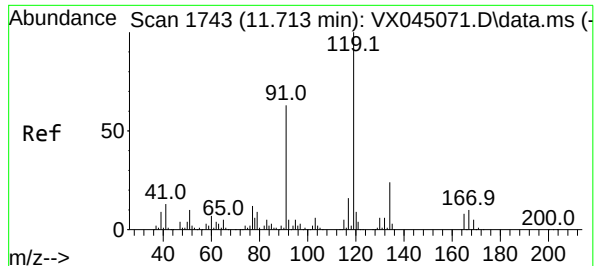
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#82
4-Chlorotoluene
Concen: 51.009 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

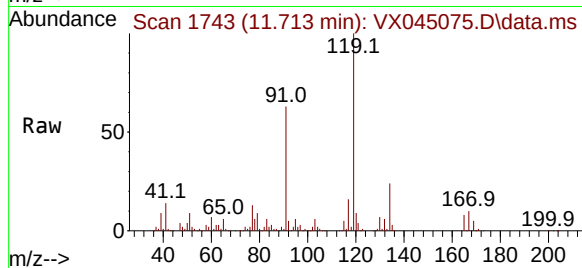
Tgt Ion: 91 Resp: 216511
Ion Ratio Lower Upper
91 100
126 28.3 14.1 42.4





#83
tert-Butylbenzene
Concen: 50.552 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

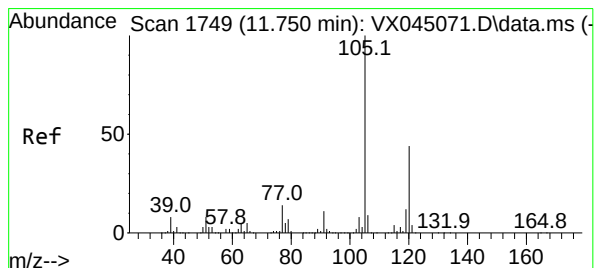
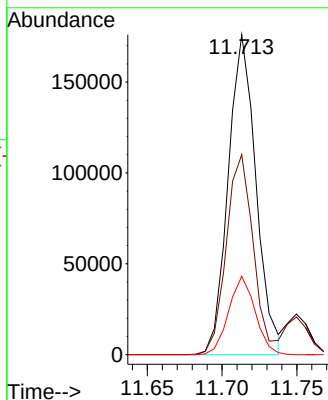
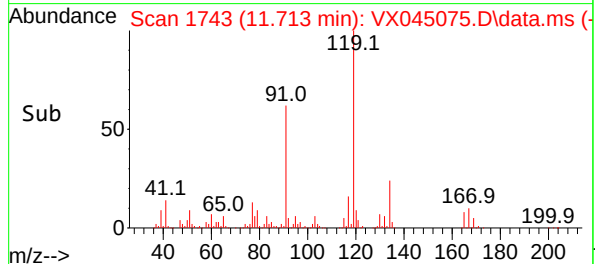
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825



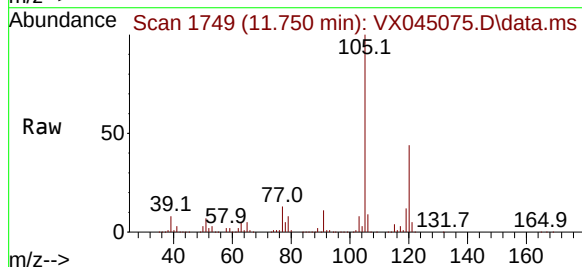
Tgt Ion:119 Resp: 22735
Ion Ratio Lower Upper
119 100
91 61.1 30.7 92.1
134 23.4 11.7 35.0

Manual Integrations
APPROVED

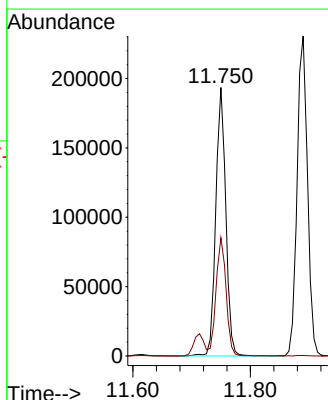
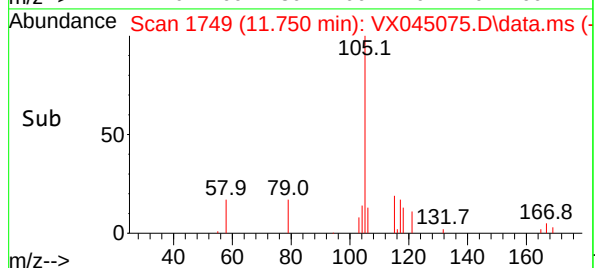
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

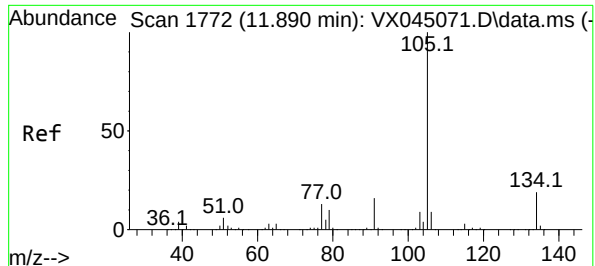


#84
1,2,4-Trimethylbenzene
Concen: 51.932 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33



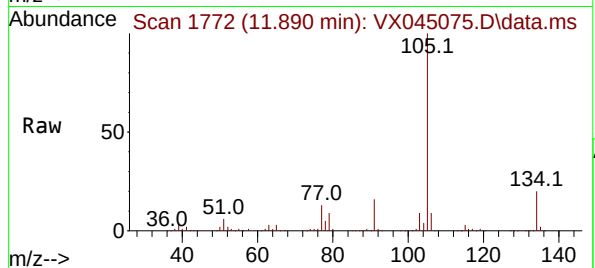
Tgt Ion:105 Resp: 228729
Ion Ratio Lower Upper
105 100
120 44.3 22.1 66.1





#85
sec-Butylbenzene
Concen: 52.703 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

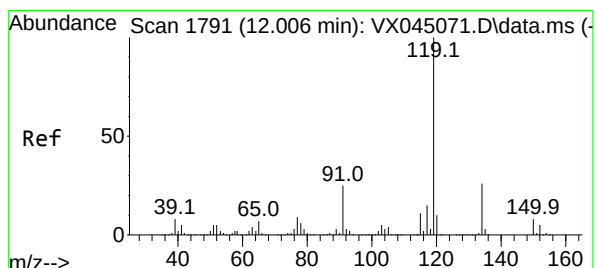
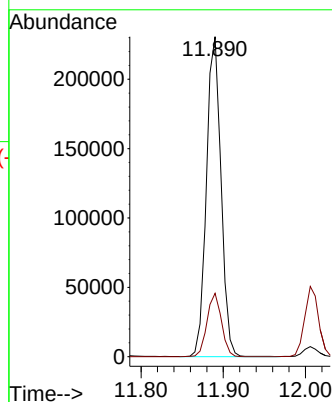
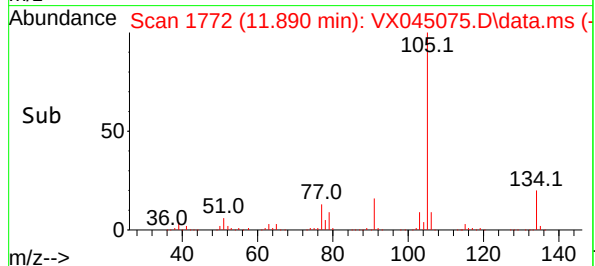
Instrument :
MSVOA_X
ClientSampleId :
ICVX022825



Tgt Ion:105 Resp: 28393
Ion Ratio Lower Upper
105 100
134 19.6 9.8 29.4

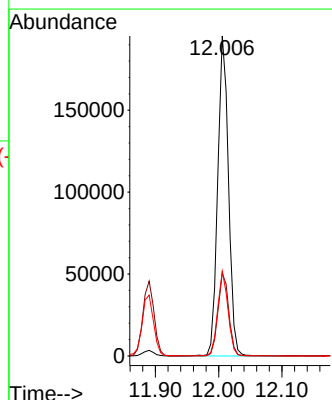
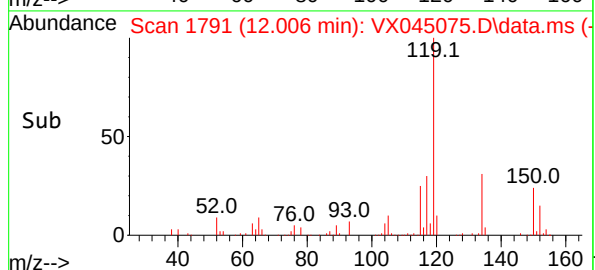
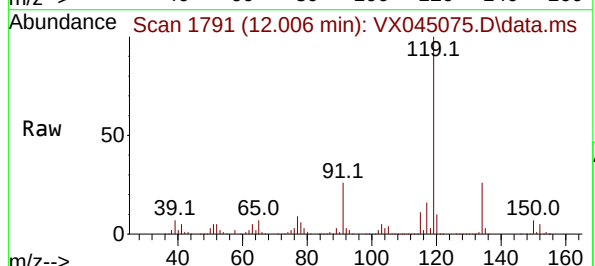
Manual Integrations
APPROVED

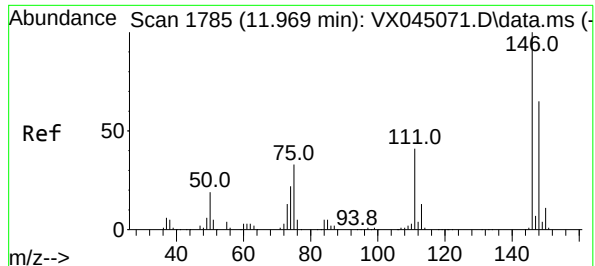
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#86
p-Isopropyltoluene
Concen: 52.803 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:119 Resp: 229894
Ion Ratio Lower Upper
119 100
134 25.9 12.9 38.6
91 25.3 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 50.372 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Instrument :

MSVOA_X

ClientSampleId :

ICVX022825

Tgt Ion:146 Resp: 114778

Ion Ratio Lower Upper

146 100

111 42.5 21.1 63.4

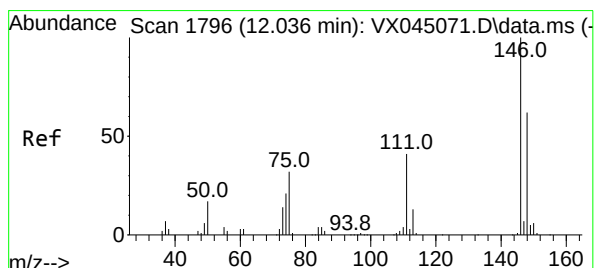
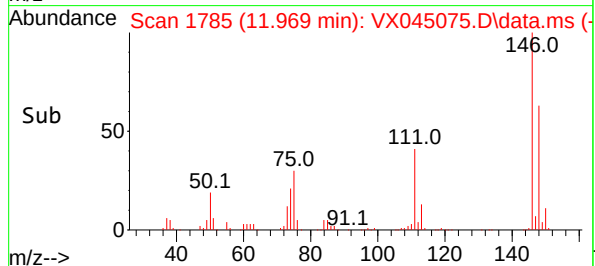
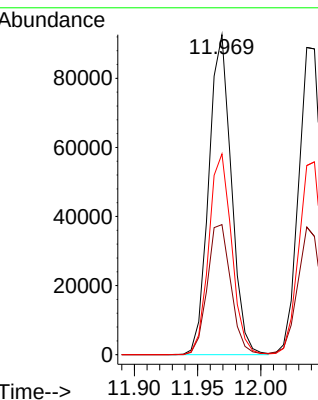
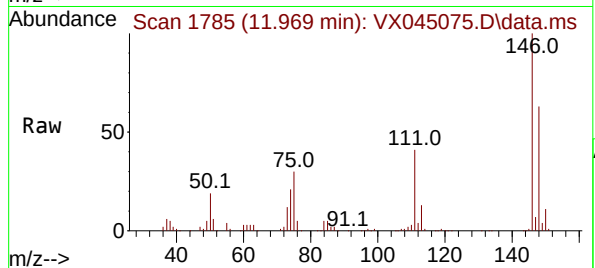
148 63.6 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#88

1,4-Dichlorobenzene

Concen: 50.097 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

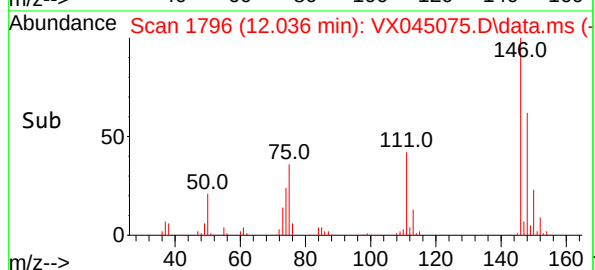
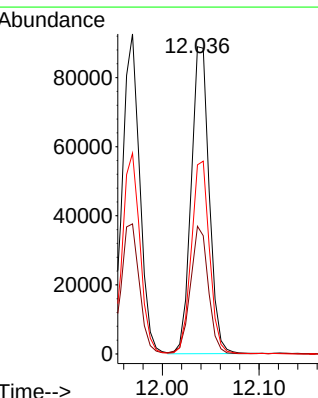
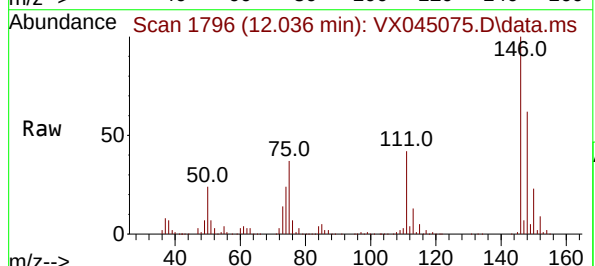
Tgt Ion:146 Resp: 115486

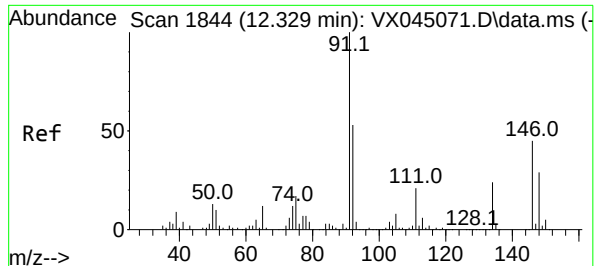
Ion Ratio Lower Upper

146 100

111 41.0 20.2 60.5

148 63.0 31.9 95.9





#89

n-Butylbenzene

Concen: 54.662 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Instrument :

MSVOA_X

ClientSampleId :

ICVX022825

Tgt Ion: 91 Resp: 204972

Ion Ratio Lower Upper

91 100

92 53.8 26.7 80.0

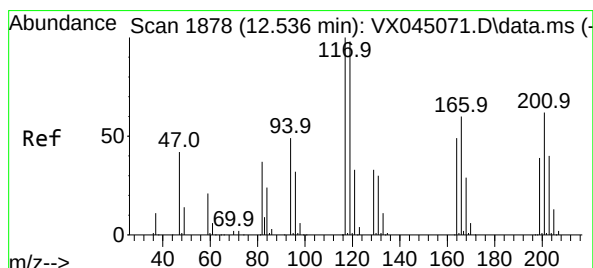
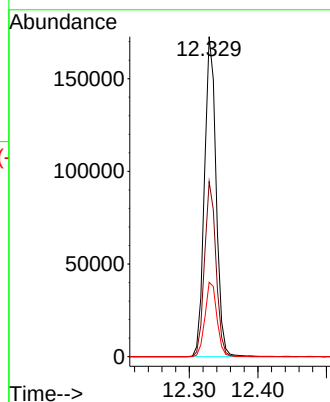
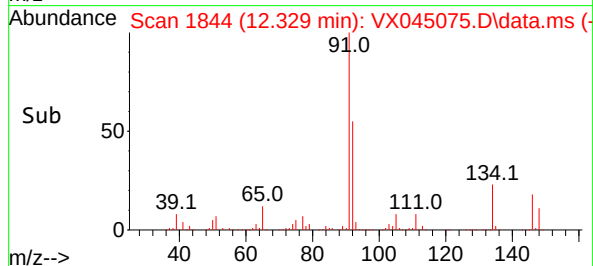
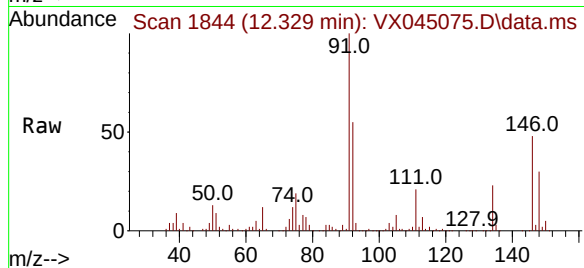
134 23.9 12.2 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#90

Hexachloroethane

Concen: 51.866 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX045075.D

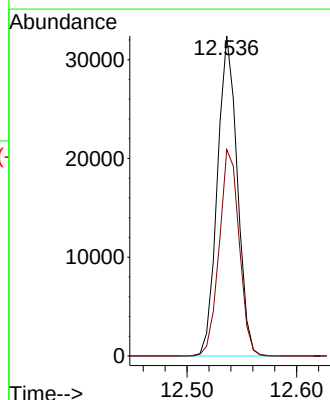
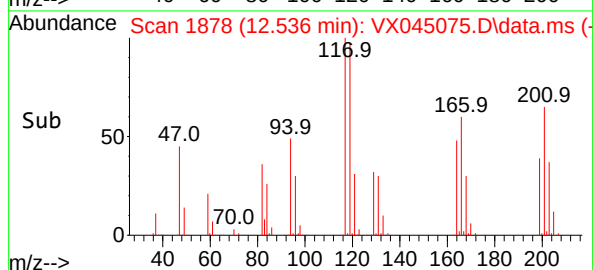
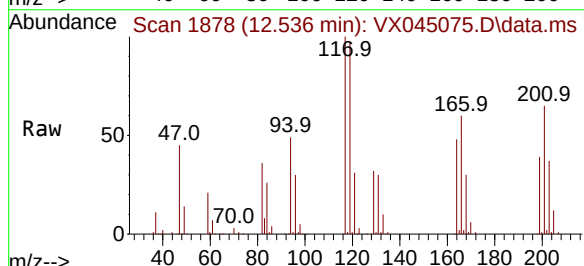
Acq: 28 Feb 2025 04:33

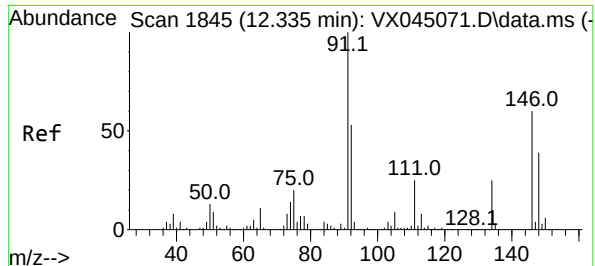
Tgt Ion:117 Resp: 40844

Ion Ratio Lower Upper

117 100

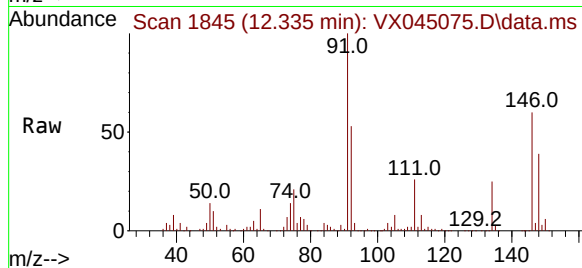
201 64.7 31.9 95.9





#91
1,2-Dichlorobenzene
Concen: 50.899 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

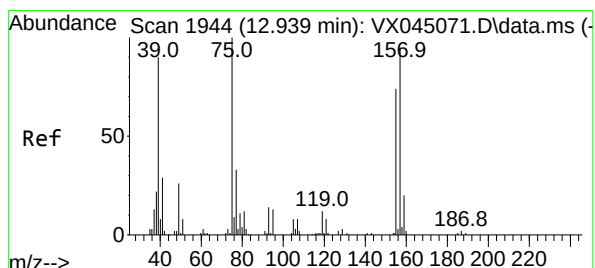
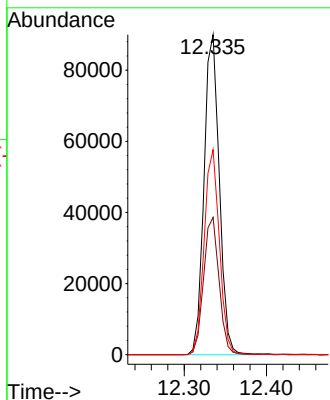
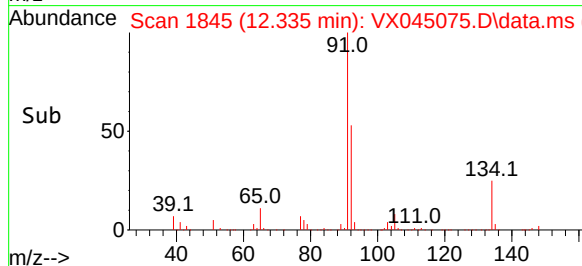
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825



Tgt Ion:146 Resp: 11634
Ion Ratio Lower Upper
146 100
111 43.2 21.6 65.0
148 63.9 31.9 95.9

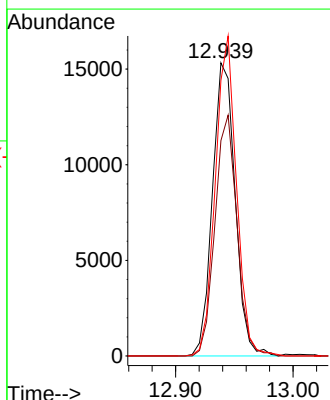
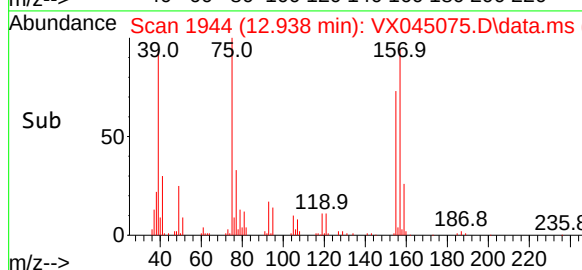
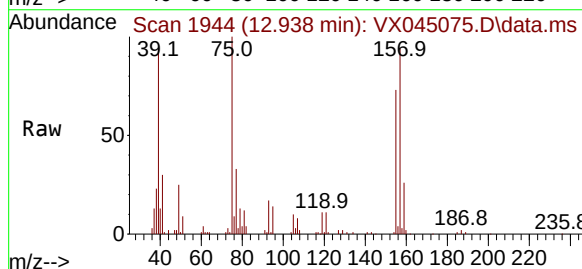
Manual Integrations
APPROVED

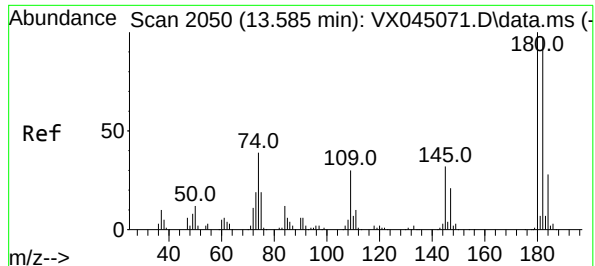
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 53.199 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

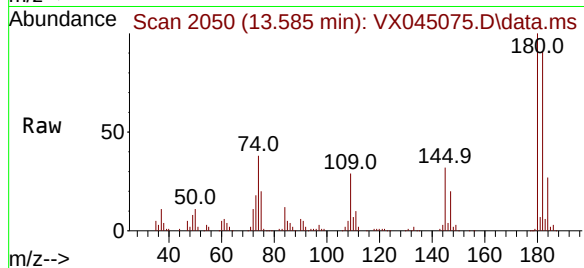
Tgt Ion: 75 Resp: 20589
Ion Ratio Lower Upper
75 100
155 79.8 39.6 118.7
157 101.7 51.1 153.4





#93
1,2,4-Trichlorobenzene
Concen: 54.834 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

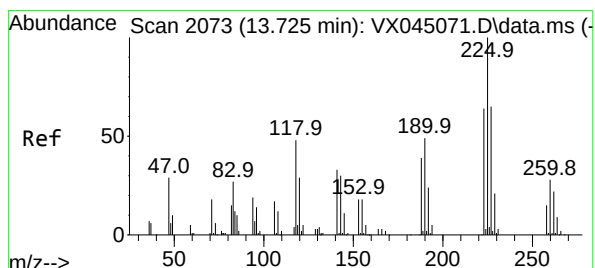
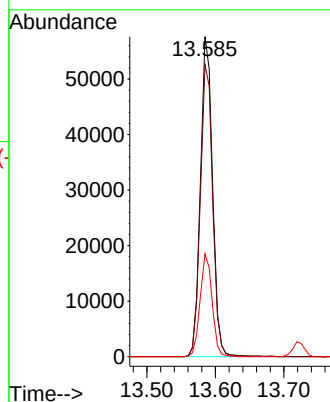
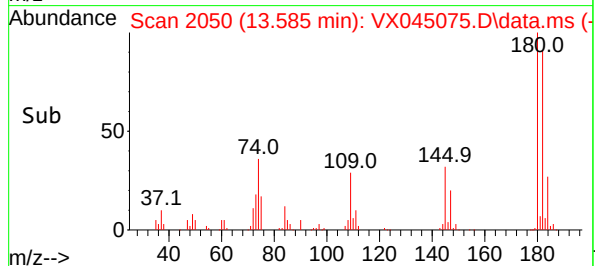
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825



Tgt Ion:180 Resp: 71368
Ion Ratio Lower Upper
180 100
182 92.4 47.3 141.9
145 31.6 16.3 48.9

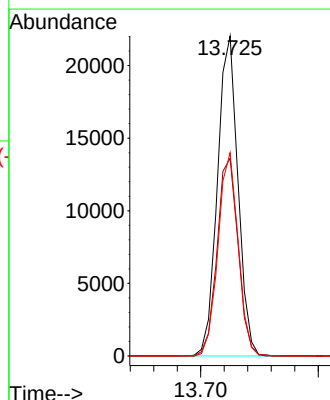
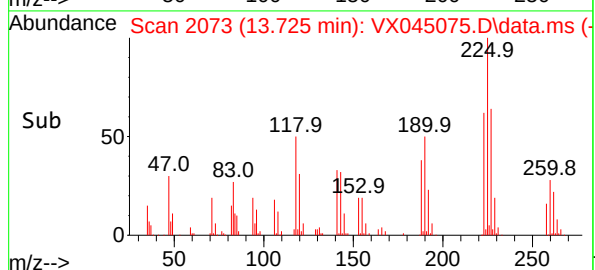
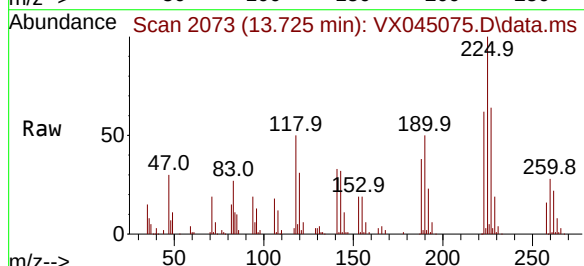
Manual Integrations
APPROVED

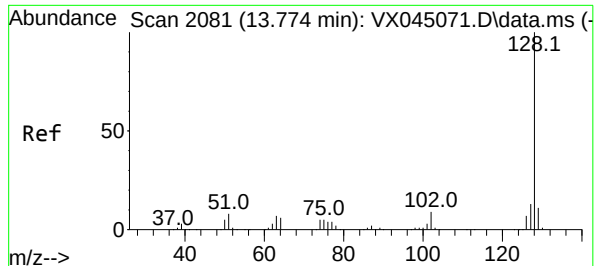
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#94
Hexachlorobutadiene
Concen: 50.032 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

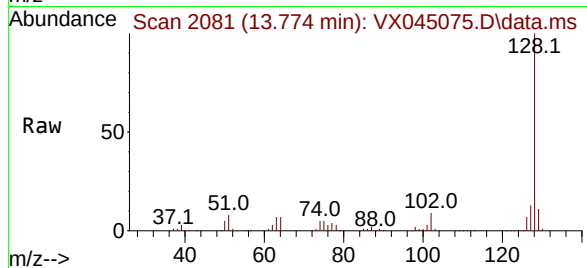
Tgt Ion:225 Resp: 26697
Ion Ratio Lower Upper
225 100
223 63.2 31.9 95.7
227 62.4 31.4 94.0





#95
Naphthalene
Concen: 55.163 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

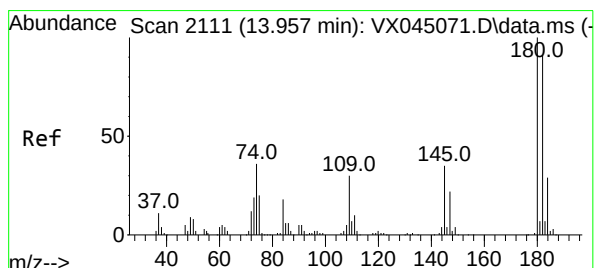
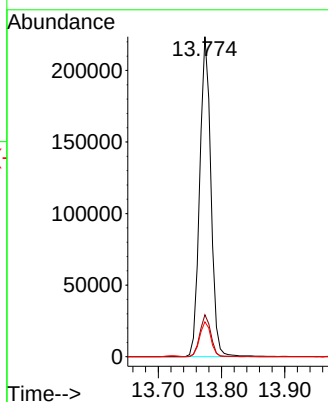
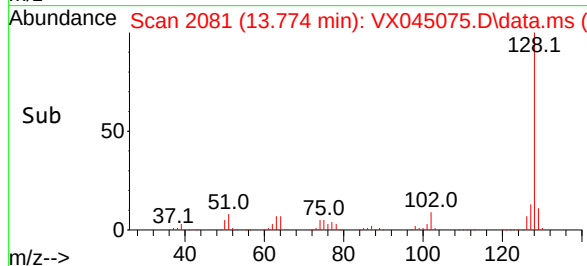
Instrument :
MSVOA_X
ClientSampleId :
ICVX022825



Tgt Ion:128 Resp: 275844
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.9 8.7 13.1

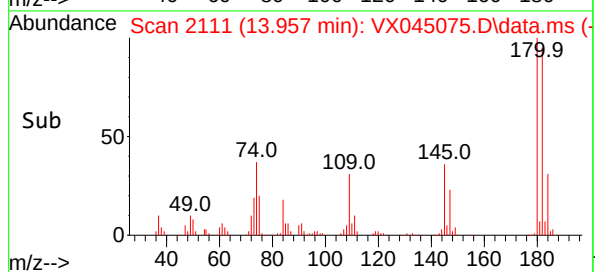
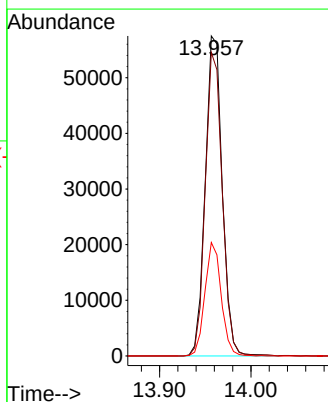
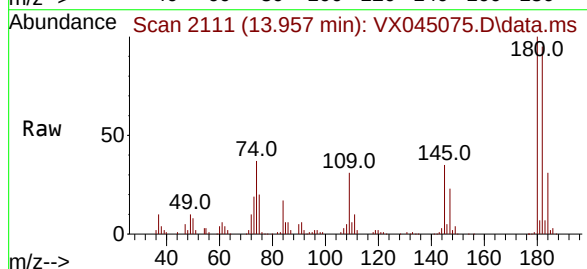
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#96
1,2,3-Trichlorobenzene
Concen: 54.049 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:180 Resp: 74211
Ion Ratio Lower Upper
180 100
182 94.5 47.5 142.6
145 33.9 17.0 50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045075.D
 Acq On : 28 Feb 2025 04:33
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX022825

Quant Time: Feb 28 06:55:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 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	98	0.00
2 T	Dichlorodifluoromethane	0.629	0.603	4.1	95	0.00
3 P	Chloromethane	0.770	0.750	2.6	98	0.00
4 C	Vinyl Chloride	0.764	0.757	0.9#	98	0.00
5 T	Bromomethane	0.300	0.277	7.7	93	0.00
6 T	Chloroethane	0.352	0.296	15.9	78	0.00
7 T	Trichlorofluoromethane	1.011	1.003	0.8	94	0.00
8 T	Diethyl Ether	0.396	0.385	2.8	98	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.581	0.585	-0.7	97	0.00
10 T	Methyl Iodide	0.726	0.734	-1.1	94	0.00
11 T	Tert butyl alcohol	0.151	0.144	4.6	106	0.00
12 CM	1,1-Dichloroethene	0.614	0.609	0.8#	96	0.00
13 T	Acrolein	0.174	0.189	-8.6	107	0.00
14 T	Allyl chloride	1.094	1.131	-3.4	100	0.00
15 T	Acrylonitrile	0.404	0.413	-2.2	99	0.00
16 T	Acetone	0.369	0.358	3.0	100	0.00
17 T	Carbon Disulfide	1.636	1.635	0.1	97	0.00
18 T	Methyl Acetate	0.888	0.893	-0.6	101	0.00
19 T	Methyl tert-butyl Ether	2.061	2.190	-6.3	103	0.00
20 T	Methylene Chloride	0.731	0.726	0.7	102	0.00
21 T	trans-1,2-Dichloroethene	0.607	0.621	-2.3	97	0.00
22 T	Diisopropyl ether	2.224	2.400	-7.9	103	0.00
23 T	Vinyl Acetate	1.856	2.096	-12.9	105	0.00
24 P	1,1-Dichloroethane	1.247	1.276	-2.3	101	0.00
25 T	2-Butanone	0.555	0.587	-5.8	100	0.00
26 T	2,2-Dichloropropane	0.585	0.578	1.2	95	0.00
27 T	cis-1,2-Dichloroethene	0.749	0.773	-3.2	100	0.00
28 T	Bromochloromethane	0.594	0.599	-0.8	98	0.00
29 T	Tetrahydrofuran	0.373	0.385	-3.2	102	0.00
30 C	Chloroform	1.239	1.244	-0.4#	98	0.00
31 T	Cyclohexane	1.082	1.085	-0.3	96	0.00
32 T	1,1,1-Trichloroethane	1.000	1.019	-1.9	98	0.00
33 S	1,2-Dichloroethane-d4	0.795	0.800	-0.6	104	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
35 S	Dibromofluoromethane	0.334	0.340	-1.8	103	0.00
36 T	1,1-Dichloropropene	0.459	0.447	2.6	95	0.00
37 T	Ethyl Acetate	0.591	0.610	-3.2	100	0.00
38 T	Carbon Tetrachloride	0.465	0.460	1.1	98	0.00
39 T	Methylcyclohexane	0.549	0.562	-2.4	95	0.00
40 TM	Benzene	1.448	1.482	-2.3	98	0.00
41 T	Methacrylonitrile	0.319	0.341	-6.9	99	0.00
42 TM	1,2-Dichloroethane	0.521	0.529	-1.5	99	0.00
43 T	Isopropyl Acetate	0.874	0.951	-8.8	102	0.00
44 TM	Trichloroethene	0.340	0.333	2.1	97	0.00
45 C	1,2-Dichloropropane	0.372	0.380	-2.2#	102	0.00
46 T	Dibromomethane	0.263	0.272	-3.4	100	0.00
47 T	Bromodichloromethane	0.516	0.526	-1.9	99	0.00
48 T	Methyl methacrylate	0.438	0.474	-8.2	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045075.D
 Acq On : 28 Feb 2025 04:33
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX022825

Quant Time: Feb 28 06:55:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 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	0.009	0.010	-11.1	102	0.00
50 S	Toluene-d8	1.212	1.221	-0.7	100	0.00
51 T	4-Methyl-2-Pentanone	0.587	0.610	-3.9	99	0.00
52 CM	Toluene	0.849	0.867	-2.1#	96	0.00
53 T	t-1,3-Dichloropropene	0.431	0.468	-8.6	99	0.00
54 T	cis-1,3-Dichloropropene	0.503	0.531	-5.6	98	0.00
55 T	1,1,2-Trichloroethane	0.350	0.351	-0.3	98	0.00
56 T	Ethyl methacrylate	0.532	0.575	-8.1	100	0.00
57 T	1,3-Dichloropropane	0.605	0.621	-2.6	99	0.00
58 T	2-Chloroethyl Vinyl ether	0.259	0.286	-10.4	100	0.00
59 T	2-Hexanone	0.425	0.451	-6.1	100	0.00
60 T	Dibromochloromethane	0.366	0.376	-2.7	97	0.00
61 T	1,2-Dibromoethane	0.349	0.360	-3.2	100	0.00
62 S	4-Bromofluorobenzene	0.402	0.396	1.5	98	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64 T	Tetrachloroethene	0.320	0.321	-0.3	96	0.00
65 PM	Chlorobenzene	1.058	1.070	-1.1	95	0.00
66 T	1,1,1,2-Tetrachloroethane	0.352	0.360	-2.3	99	0.00
67 C	Ethyl Benzene	1.843	1.903	-3.3#	95	0.00
68 T	m/p-Xylenes	0.675	0.698	-3.4	94	0.00
69 T	o-Xylene	0.681	0.690	-1.3	95	0.00
70 T	Styrene	1.101	1.149	-4.4	95	0.00
71 P	Bromoform	0.266	0.280	-5.3	99	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73 T	Isopropylbenzene	3.903	4.027	-3.2	95	0.00
74 T	N-amyl acetate	1.831	2.082	-13.7	103	0.00
75 P	1,1,2,2-Tetrachloroethane	1.432	1.453	-1.5	100	0.00
76 T	1,2,3-Trichloropropane	1.164	1.162	0.2	99	0.00
77 T	Bromobenzene	0.921	0.927	-0.7	96	0.00
78 T	n-propylbenzene	4.409	4.603	-4.4	93	0.00
79 T	2-Chlorotoluene	2.808	2.770	1.4	94	0.00
80 T	1,3,5-Trimethylbenzene	3.156	3.253	-3.1	94	0.00
81 T	trans-1,4-Dichloro-2-butene	0.340	0.345	-1.5	99	0.00
82 T	4-Chlorotoluene	3.060	3.122	-2.0	94	0.00
83 T	tert-Butylbenzene	3.242	3.278	-1.1	95	0.00
84 T	1,2,4-Trimethylbenzene	3.175	3.298	-3.9	95	0.00
85 T	sec-Butylbenzene	3.884	4.094	-5.4	95	0.00
86 T	p-Isopropyltoluene	3.139	3.315	-5.6	94	0.00
87 T	1,3-Dichlorobenzene	1.643	1.655	-0.7	97	0.00
88 T	1,4-Dichlorobenzene	1.662	1.665	-0.2	96	0.00
89 T	n-Butylbenzene	2.703	2.955	-9.3	95	0.00
90 T	Hexachloroethane	0.568	0.589	-3.7	95	0.00
91 T	1,2-Dichlorobenzene	1.648	1.677	-1.8	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.279	0.297	-6.5	100	0.00
93 T	1,2,4-Trichlorobenzene	0.938	1.029	-9.7	99	0.00
94 T	Hexachlorobutadiene	0.385	0.385	0.0	96	0.00
95 T	Naphthalene	3.605	3.977	-10.3	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.990	1.070	-8.1	98	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045075.D
 Acq On : 28 Feb 2025 04:33
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX022825

Quant Time: Feb 28 06:55:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 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	98	0.00
2 T	Dichlorodifluoromethane	50.000	47.933	4.1	95	0.00
3 P	Chloromethane	50.000	48.696	2.6	98	0.00
4 C	Vinyl Chloride	50.000	49.529	0.9#	98	0.00
5 T	Bromomethane	50.000	46.190	7.6	93	0.00
6 T	Chloroethane	50.000	41.948	16.1	78	0.00
7 T	Trichlorofluoromethane	50.000	49.569	0.9	94	0.00
8 T	Diethyl Ether	50.000	48.651	2.7	98	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	50.367	-0.7	97	0.00
10 T	Methyl Iodide	50.000	50.541	-1.1	94	0.00
11 T	Tert butyl alcohol	250.000	238.577	4.6	106	0.00
12 CM	1,1-Dichloroethene	50.000	49.568	0.9#	96	0.00
13 T	Acrolein	250.000	271.255	-8.5	107	0.00
14 T	Allyl chloride	50.000	51.691	-3.4	100	0.00
15 T	Acrylonitrile	250.000	255.479	-2.2	99	0.00
16 T	Acetone	250.000	242.877	2.8	100	0.00
17 T	Carbon Disulfide	50.000	49.952	0.1	97	0.00
18 T	Methyl Acetate	50.000	50.312	-0.6	101	0.00
19 T	Methyl tert-butyl Ether	50.000	53.114	-6.2	103	0.00
20 T	Methylene Chloride	50.000	49.639	0.7	102	0.00
21 T	trans-1,2-Dichloroethene	50.000	51.172	-2.3	97	0.00
22 T	Diisopropyl ether	50.000	53.955	-7.9	103	0.00
23 T	Vinyl Acetate	250.000	282.313	-12.9	105	0.00
24 P	1,1-Dichloroethane	50.000	51.190	-2.4	101	0.00
25 T	2-Butanone	250.000	264.040	-5.6	100	0.00
26 T	2,2-Dichloropropane	50.000	49.401	1.2	95	0.00
27 T	cis-1,2-Dichloroethene	50.000	51.606	-3.2	100	0.00
28 T	Bromochloromethane	50.000	50.399	-0.8	98	0.00
29 T	Tetrahydrofuran	250.000	258.277	-3.3	102	0.00
30 C	Chloroform	50.000	50.236	-0.5#	98	0.00
31 T	Cyclohexane	50.000	50.158	-0.3	96	0.00
32 T	1,1,1-Trichloroethane	50.000	50.939	-1.9	98	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.297	-0.6	104	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	99	0.00
35 S	Dibromofluoromethane	50.000	50.841	-1.7	103	0.00
36 T	1,1-Dichloropropene	50.000	48.770	2.5	95	0.00
37 T	Ethyl Acetate	50.000	51.596	-3.2	100	0.00
38 T	Carbon Tetrachloride	50.000	49.425	1.2	98	0.00
39 T	Methylcyclohexane	50.000	51.169	-2.3	95	0.00
40 TM	Benzene	50.000	51.195	-2.4	98	0.00
41 T	Methacrylonitrile	50.000	53.352	-6.7	99	0.00
42 TM	1,2-Dichloroethane	50.000	50.718	-1.4	99	0.00
43 T	Isopropyl Acetate	50.000	54.452	-8.9	102	0.00
44 TM	Trichloroethene	50.000	48.924	2.2	97	0.00
45 C	1,2-Dichloropropane	50.000	51.086	-2.2#	102	0.00
46 T	Dibromomethane	50.000	51.661	-3.3	100	0.00
47 T	Bromodichloromethane	50.000	50.930	-1.9	99	0.00
48 T	Methyl methacrylate	50.000	54.016	-8.0	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045075.D
 Acq On : 28 Feb 2025 04:33
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX022825

Quant Time: Feb 28 06:55:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 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	1049.007	-4.9	102	0.00
50 S	Toluene-d8	50.000	50.364	-0.7	100	0.00
51 T	4-Methyl-2-Pentanone	250.000	259.995	-4.0	99	0.00
52 CM	Toluene	50.000	51.020	-2.0#	96	0.00
53 T	t-1,3-Dichloropropene	50.000	54.247	-8.5	99	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.732	-5.5	98	0.00
55 T	1,1,2-Trichloroethane	50.000	50.232	-0.5	98	0.00
56 T	Ethyl methacrylate	50.000	54.109	-8.2	100	0.00
57 T	1,3-Dichloropropane	50.000	51.312	-2.6	99	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	275.557	-10.2	100	0.00
59 T	2-Hexanone	250.000	265.049	-6.0	100	0.00
60 T	Dibromochloromethane	50.000	51.374	-2.7	97	0.00
61 T	1,2-Dibromoethane	50.000	51.492	-3.0	100	0.00
62 S	4-Bromofluorobenzene	50.000	49.240	1.5	98	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	97	0.00
64 T	Tetrachloroethene	50.000	50.126	-0.3	96	0.00
65 PM	Chlorobenzene	50.000	50.580	-1.2	95	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.102	-2.2	99	0.00
67 C	Ethyl Benzene	50.000	51.621	-3.2#	95	0.00
68 T	m/p-Xylenes	100.000	103.454	-3.5	94	0.00
69 T	o-Xylene	50.000	50.668	-1.3	95	0.00
70 T	Styrene	50.000	52.177	-4.4	95	0.00
71 P	Bromoform	50.000	52.636	-5.3	99	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73 T	Isopropylbenzene	50.000	51.589	-3.2	95	0.00
74 T	N-amyl acetate	50.000	56.851	-13.7	103	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	50.741	-1.5	100	0.00
76 T	1,2,3-Trichloropropane	50.000	49.940	0.1	99	0.00
77 T	Bromobenzene	50.000	50.360	-0.7	96	0.00
78 T	n-propylbenzene	50.000	52.203	-4.4	93	0.00
79 T	2-Chlorotoluene	50.000	49.338	1.3	94	0.00
80 T	1,3,5-Trimethylbenzene	50.000	51.544	-3.1	94	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	50.757	-1.5	99	0.00
82 T	4-Chlorotoluene	50.000	51.009	-2.0	94	0.00
83 T	tert-Butylbenzene	50.000	50.552	-1.1	95	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.932	-3.9	95	0.00
85 T	sec-Butylbenzene	50.000	52.703	-5.4	95	0.00
86 T	p-Isopropyltoluene	50.000	52.803	-5.6	94	0.00
87 T	1,3-Dichlorobenzene	50.000	50.372	-0.7	97	0.00
88 T	1,4-Dichlorobenzene	50.000	50.097	-0.2	96	0.00
89 T	n-Butylbenzene	50.000	54.662	-9.3	95	0.00
90 T	Hexachloroethane	50.000	51.866	-3.7	95	0.00
91 T	1,2-Dichlorobenzene	50.000	50.899	-1.8	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	53.199	-6.4	100	0.00
93 T	1,2,4-Trichlorobenzene	50.000	54.834	-9.7	99	0.00
94 T	Hexachlorobutadiene	50.000	50.032	-0.1	96	0.00
95 T	Naphthalene	50.000	55.163	-10.3	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
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	54.049	-8.1	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005

Lab Code: CHEM Case No.: Q1478 SAS No.: Q1478 SDG No.: Q1478

Instrument ID: MSVOA_X Calibration Date/Time: 03/03/2025 08:47

Lab File ID: VX045100.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.629	0.692		10.02	20
Chloromethane	0.770	0.828	0.1	7.53	20
Vinyl Chloride	0.764	0.780		2.09	20
Bromomethane	0.300	0.313		4.33	20
Chloroethane	0.352	0.442		25.57	20
Trichlorofluoromethane	1.012	1.085		7.21	20
1,1,2-Trichlorotrifluoroethane	0.581	0.652		12.22	20
1,1-Dichloroethene	0.614	0.626		1.95	20
Acetone	0.369	0.368		-0.27	20
Carbon Disulfide	1.636	1.759		7.52	20
Methyl tert-butyl Ether	2.061	2.017		-2.13	20
Methyl Acetate	0.888	0.757		-14.75	20
Methylene Chloride	0.731	0.695		-4.93	20
trans-1,2-Dichloroethene	0.607	0.634		4.45	20
1,1-Dichloroethane	1.247	1.222	0.1	-2.01	20
Cyclohexane	1.082	1.135		4.9	20
2-Butanone	0.555	0.508		-8.47	20
Carbon Tetrachloride	0.465	0.519		11.61	20
cis-1,2-Dichloroethene	0.749	0.746		-0.4	20
Bromochloromethane	0.594	0.606		2.02	20
Chloroform	1.239	1.207		-2.58	20
1,1,1-Trichloroethane	1.000	1.014		1.4	20
Methylcyclohexane	0.549	0.659		20.04	20
Benzene	1.448	1.503		3.8	20
1,2-Dichloroethane	0.521	0.520		-0.19	20
Trichloroethene	0.340	0.359		5.59	20
1,2-Dichloropropane	0.372	0.377		1.34	20
Bromodichloromethane	0.516	0.546		5.81	20
4-Methyl-2-Pentanone	0.587	0.558		-4.94	20
Toluene	0.849	0.908		6.95	20
t-1,3-Dichloropropene	0.431	0.525		21.81	20
cis-1,3-Dichloropropene	0.503	0.595		18.29	20
1,1,2-Trichloroethane	0.350	0.344		-1.71	20
2-Hexanone	0.425	0.420		-1.18	20
Dibromochloromethane	0.366	0.399		9.02	20
1,2-Dibromoethane	0.349	0.356		2.01	20
Tetrachloroethene	0.320	0.345		7.81	20
Chlorobenzene	1.058	1.118	0.3	5.67	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q1478 SAS No.: Q1478 SDG No.: Q1478

Instrument ID: MSVOA_X Calibration Date/Time: 03/03/2025 08:47

Lab File ID: VX045100.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	1.998		8.41	20
m/p-Xylenes	0.675	0.741		9.78	20
o-Xylene	0.681	0.723		6.17	20
Styrene	1.101	1.233		11.99	20
Bromoform	0.266	0.299	0.1	12.41	20
Isopropylbenzene	3.903	4.050		3.77	20
1,1,2,2-Tetrachloroethane	1.432	1.341	0.3	-6.36	20
1,3-Dichlorobenzene	1.643	1.756		6.88	20
1,4-Dichlorobenzene	1.662	1.758		5.78	20
1,2-Dichlorobenzene	1.648	1.748		6.07	20
1,2-Dibromo-3-Chloropropane	0.279	0.260		-6.81	20
1,2,4-Trichlorobenzene	0.938	1.090		16.2	20
1,2,3-Trichlorobenzene	0.990	1.067		7.78	20
1,2-Dichloroethane-d4	0.795	0.712		-10.44	20
Dibromofluoromethane	0.334	0.322		-3.59	20
Toluene-d8	1.212	1.210		-0.17	20
4-Bromofluorobenzene	0.402	0.421		4.73	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\VX030325\
 Data File : VX045100.D
 Acq On : 03 Mar 2025 08:47
 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 03/04/2025
 Supervised By : Mahesh Dadoda 03/04/2025

Quant Time: Mar 04 05:16:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	110336	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.751	114	188916	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	164466	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	78535	44.748	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.500%		
35) Dibromofluoromethane	5.373	113	60858	48.176	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.360%		
50) Toluene-d8	8.641	98	228601	49.917	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.840%		
62) 4-Bromofluorobenzene	11.079	95	79497	52.385	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	104.760%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	76304	54.940	ug/l	98
3) Chloromethane	1.294	50	91333	53.736	ug/l	98
4) Vinyl Chloride	1.374	62	86098	51.063	ug/l	96
5) Bromomethane	1.593	94	34492	52.037	ug/l	97
6) Chloroethane	1.672	64	48810	62.760	ug/l	97
7) Trichlorofluoromethane	1.880	101	119695	53.624	ug/l	98
8) Diethyl Ether	2.130	74	44057	50.463	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	71981	56.131	ug/l	99
10) Methyl Iodide	2.447	142	85221	53.177	ug/l	99
11) Tert butyl alcohol	2.965	59	63333	190.512	ug/l	98
12) 1,1-Dichloroethene	2.312	96	69125	50.985	ug/l	97
13) Acrolein	2.233	56	83160	216.401	ug/l	99
14) Allyl chloride	2.660	41	127308	52.751	ug/l	97
15) Acrylonitrile	3.056	53	197379	221.534	ug/l	100
16) Acetone	2.373	43	202880	249.149	ug/l	97
17) Carbon Disulfide	2.508	76	194098	53.750	ug/l	97
18) Methyl Acetate	2.697	43	83486	42.618	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	222567	48.930	ug/l	97
20) Methylene Chloride	2.782	84	76690	47.545	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	69898	52.185	ug/l	96
22) Diisopropyl ether	3.751	45	248151	50.558	ug/l	91
23) Vinyl Acetate	3.709	43	1056619	257.967	ug/l	99
24) 1,1-Dichloroethane	3.599	63	134862	49.028	ug/l	99
25) 2-Butanone	4.544	43	280054	228.483	ug/l	98
26) 2,2-Dichloropropane	4.465	77	104804	81.229	ug/l	95
27) cis-1,2-Dichloroethene	4.477	96	82263	49.752	ug/l	95
28) Bromochloromethane	4.885	49	66902	51.026	ug/l	99
29) Tetrahydrofuran	4.995	42	169123	205.464	ug/l	100
30) Chloroform	5.080	83	133151	48.717	ug/l	100
31) Cyclohexane	5.464	56	125240	52.450	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	111844	50.666	ug/l	100
36) 1,1-Dichloropropene	5.684	75	93232	53.817	ug/l	99
37) Ethyl Acetate	4.696	43	101438	45.441	ug/l	99
38) Carbon Tetrachloride	5.666	117	97961	55.698	ug/l	94
39) Methylcyclohexane	7.373	83	124590	60.020	ug/l	97
40) Benzene	6.025	78	283933	51.902	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
 Data File : VX045100.D
 Acq On : 03 Mar 2025 08:47
 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 03/04/2025
 Supervised By : Mahesh Dadoda 03/04/2025

Quant Time: Mar 04 05:16:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.903	41	57735	47.832	ug/l	98
42) 1,2-Dichloroethane	6.074	62	98234	49.867	ug/l	100
43) Isopropyl Acetate	6.330	43	165728	50.206	ug/l	99
44) Trichloroethene	7.117	130	67789	52.774	ug/l	99
45) 1,2-Dichloropropane	7.421	63	71127	50.569	ug/l	99
46) Dibromomethane	7.574	93	51508	51.811	ug/l	99
47) Bromodichloromethane	7.811	83	103145	52.895	ug/l	99
48) Methyl methacrylate	7.683	41	81543	49.240	ug/l	99
49) 1,4-Dioxane	7.653	88	33724	965.401	ug/l	98
51) 4-Methyl-2-Pentanone	8.567	43	527249	237.886	ug/l	100
52) Toluene	8.714	92	171620	53.470	ug/l	100
53) t-1,3-Dichloropropene	8.970	75	99191	60.846	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	112314	59.082	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	65000	49.192	ug/l	96
56) Ethyl methacrylate	9.110	69	105447	52.500	ug/l	99
57) 1,3-Dichloropropane	9.305	76	114030	49.867	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.232	63	263987	269.437	ug/l	99
59) 2-Hexanone	9.427	43	396897	247.153	ug/l	100
60) Dibromochloromethane	9.512	129	75321	54.518	ug/l	99
61) 1,2-Dibromoethane	9.604	107	67274	51.000	ug/l	99
64) Tetrachloroethene	9.269	164	56666	53.797	ug/l	96
65) Chlorobenzene	10.073	112	183860	52.832	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	61384	52.966	ug/l	98
67) Ethyl Benzene	10.189	91	328535	54.180	ug/l	99
68) m/p-Xylenes	10.299	106	243777	109.819	ug/l	99
69) o-Xylene	10.640	106	118940	53.126	ug/l	100
70) Styrene	10.652	104	202784	55.978	ug/l	100
71) Bromoform	10.799	173	49189	56.284	ug/l #	98
73) Isopropylbenzene	10.957	105	311255	51.893	ug/l	100
74) N-amyl acetate	10.841	43	147759	52.500	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	103046	46.816	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	85705m	47.917	ug/l	
77) Bromobenzene	11.195	156	73426	51.884	ug/l	99
78) n-propylbenzene	11.299	91	369377	54.516	ug/l	100
79) 2-Chlorotoluene	11.360	91	218391	50.611	ug/l	99
80) 1,3,5-Trimethylbenzene	11.445	105	258263	53.251	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.012	75	29745	56.912	ug/l	99
82) 4-Chlorotoluene	11.451	91	249399	53.031	ug/l	99
83) tert-Butylbenzene	11.713	119	261634	52.504	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	261885	53.666	ug/l	100
85) sec-Butylbenzene	11.884	105	328305	55.000	ug/l	100
86) p-Isopropyltoluene	12.006	119	274625	56.930	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	134914	53.439	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	135078	52.885	ug/l	99
89) n-Butylbenzene	12.329	91	253261	60.957	ug/l	100
90) Hexachloroethane	12.536	117	47961	54.968	ug/l	97
91) 1,2-Dichlorobenzene	12.329	146	134345	53.047	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20011	46.667	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	83758	58.082	ug/l	99
94) Hexachlorobutadiene	13.719	225	34572	58.476	ug/l	99
95) Naphthalene	13.774	128	280556	50.637	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	81985	53.892	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
Data File : VX045100.D
Acq On : 03 Mar 2025 08:47
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 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025

Quant Time: Mar 04 05:16:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

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

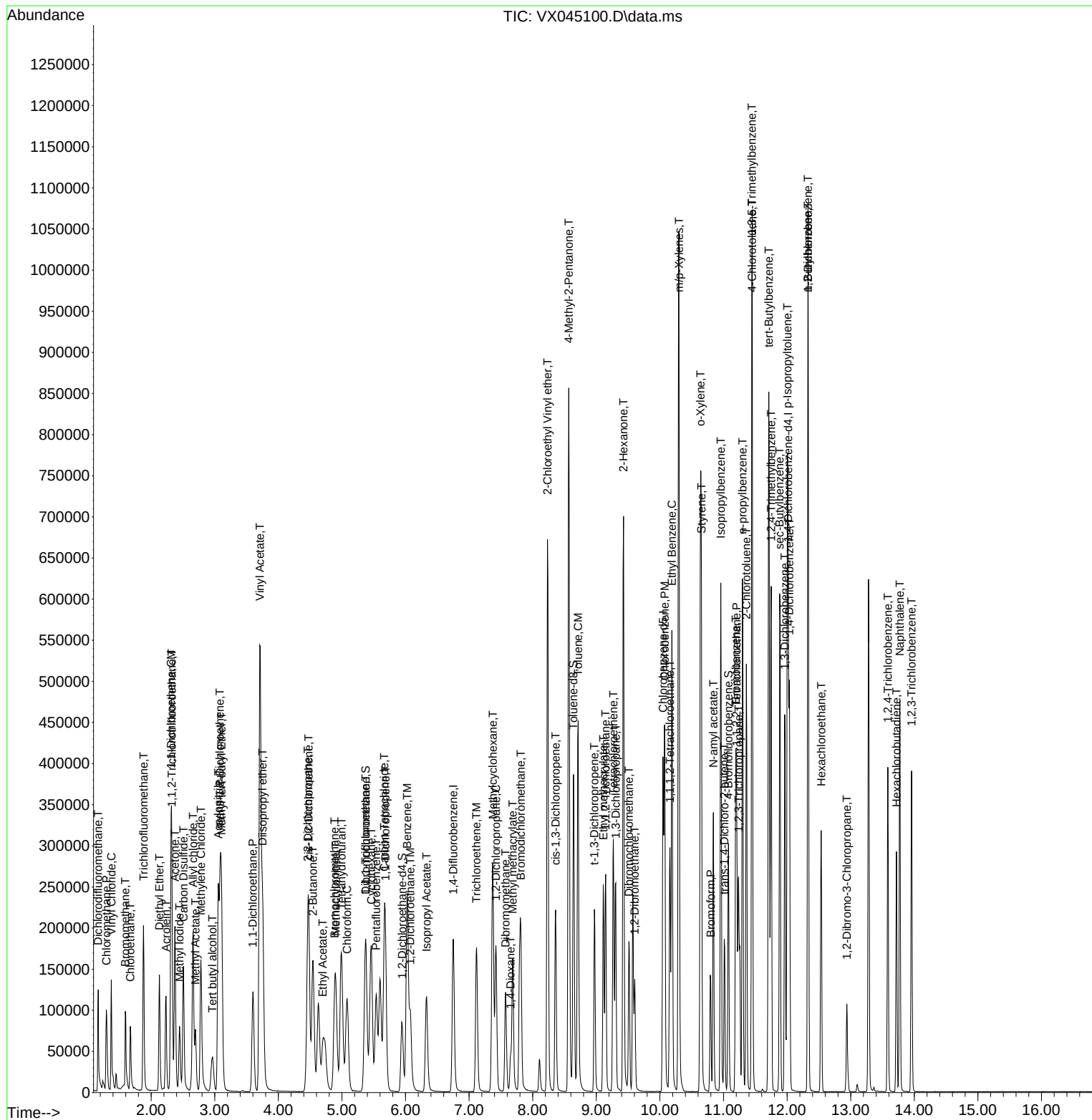
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
 Data File : VX045100.D
 Acq On : 03 Mar 2025 08:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

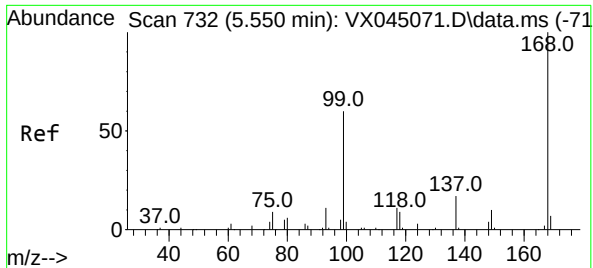
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations APPROVED

Reviewed By : John Carlone 03/04/2025
 Supervised By : Mahesh Dadoda 03/04/2025

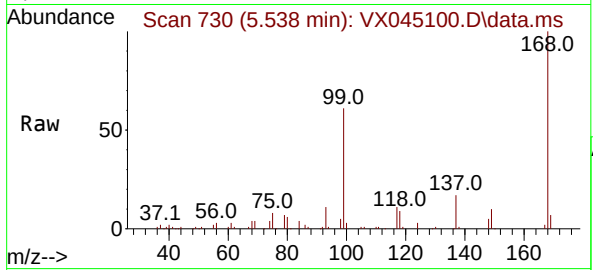
Quant Time: Mar 04 05:16:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 732
Delta R.T. -0.012 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

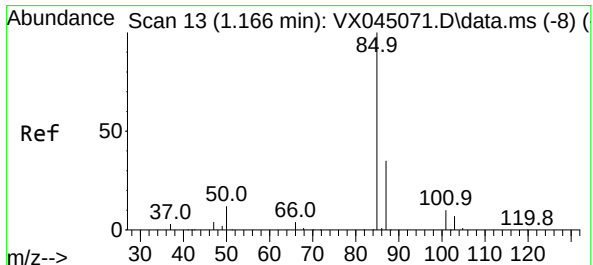
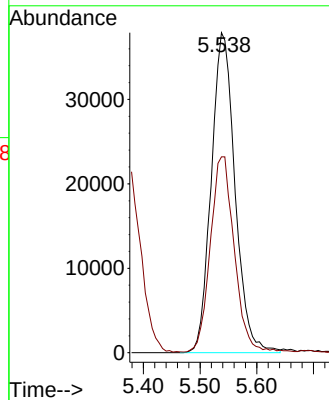
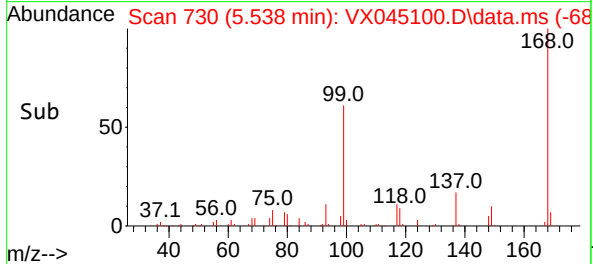
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:168 Resp: 110330
Ion Ratio Lower Upper
168 100
99 60.9 48.2 72.4

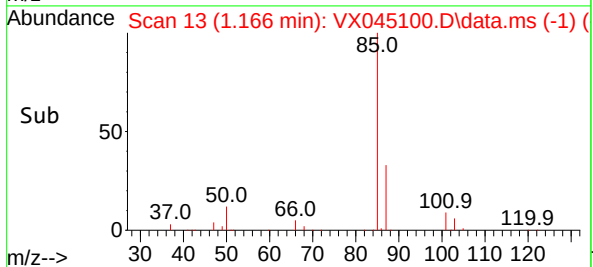
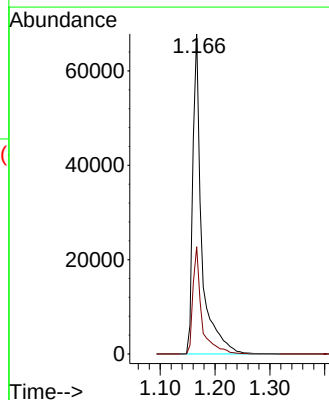
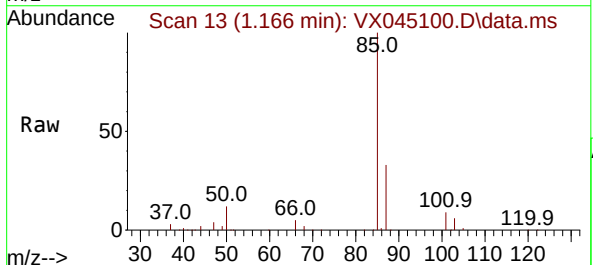
Manual Integrations
APPROVED

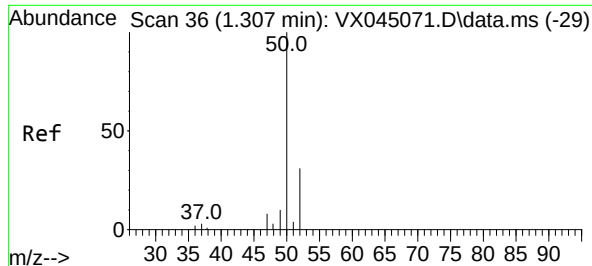
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#2
Dichlorodifluoromethane
Concen: 54.940 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

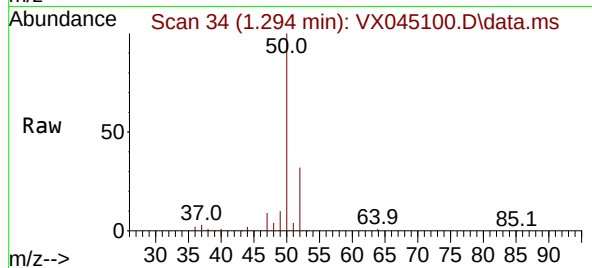
Tgt Ion: 85 Resp: 76304
Ion Ratio Lower Upper
85 100
87 33.5 17.4 52.3





#3
Chloromethane
Concen: 53.736 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

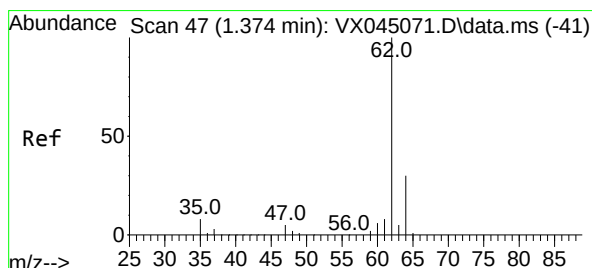
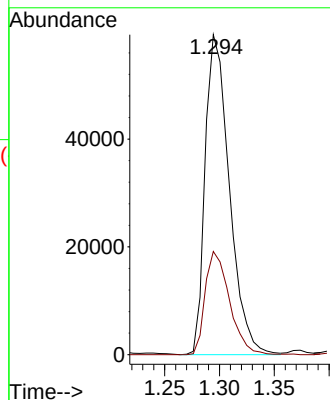
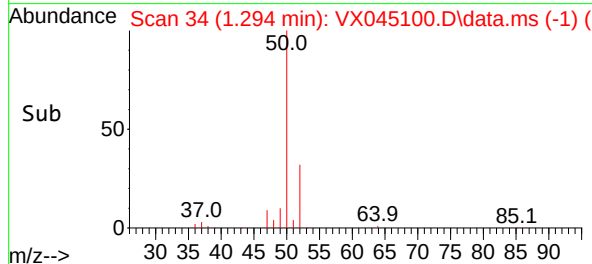
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 50 Resp: 9133
Ion Ratio Lower Upper
50 100
52 32.3 25.0 37.4

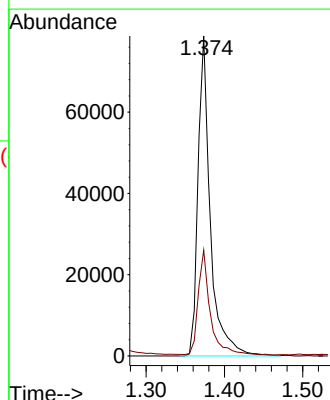
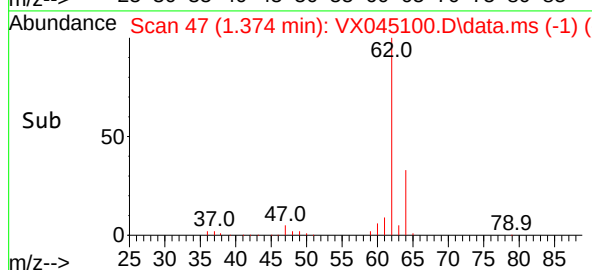
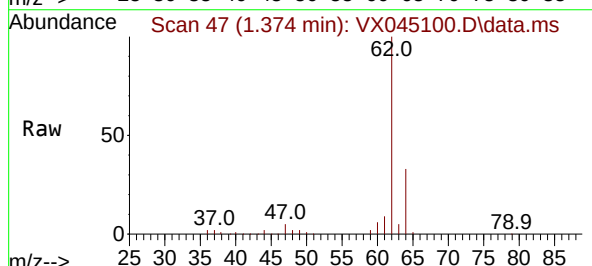
Manual Integrations
APPROVED

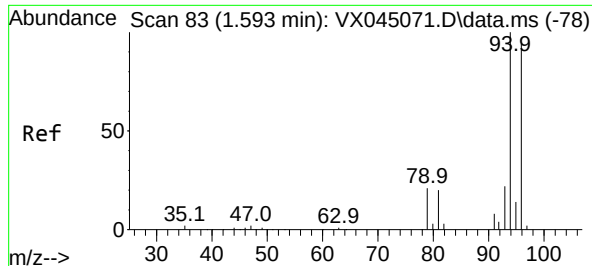
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#4
Vinyl Chloride
Concen: 51.063 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

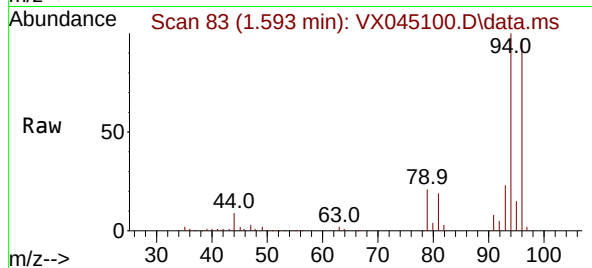
Tgt Ion: 62 Resp: 86098
Ion Ratio Lower Upper
62 100
64 32.7 24.3 36.5





#5
Bromomethane
Concen: 52.037 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

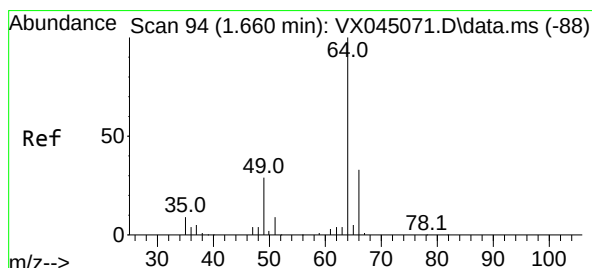
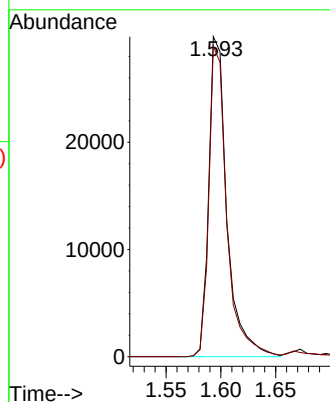
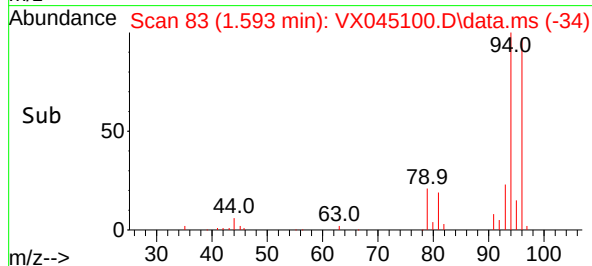
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 94 Resp: 34492
Ion Ratio Lower Upper
94 100
96 97.1 75.0 112.4

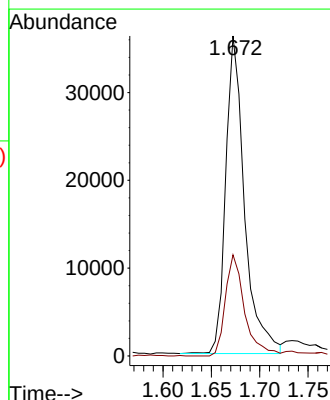
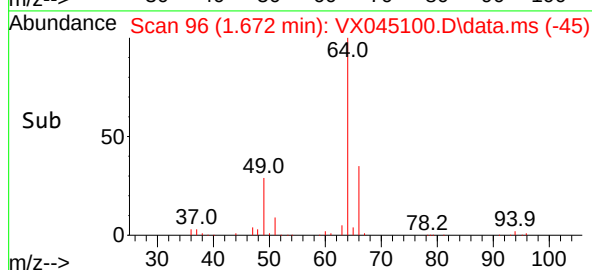
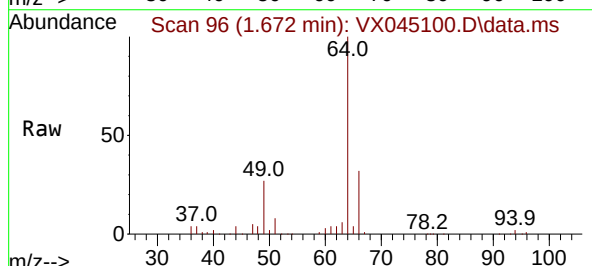
Manual Integrations
APPROVED

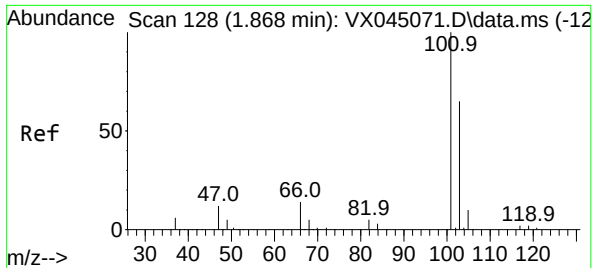
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#6
Chloroethane
Concen: 62.760 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.012 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

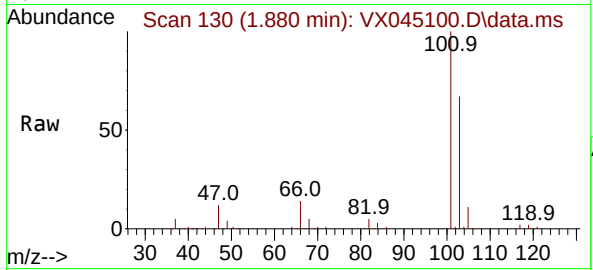
Tgt Ion: 64 Resp: 48810
Ion Ratio Lower Upper
64 100
66 31.7 26.7 40.1





#7
Trichlorofluoromethane
Concen: 53.624 ug/l
RT: 1.880 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

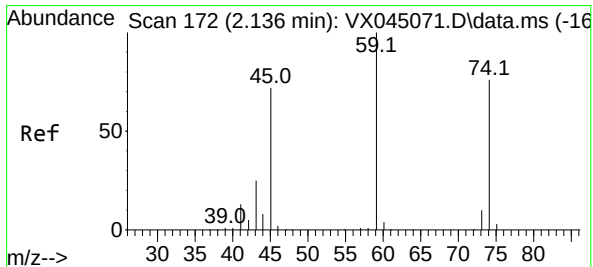
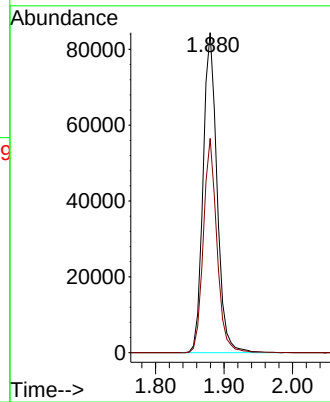
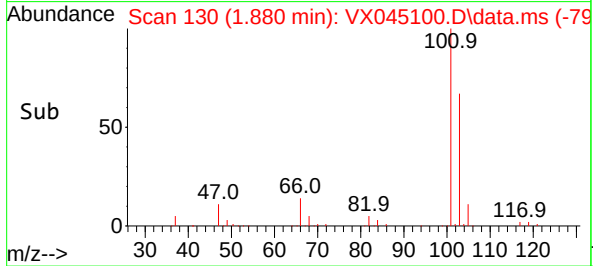
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:101 Resp: 11969
Ion Ratio Lower Upper
101 100
103 67.0 52.1 78.1

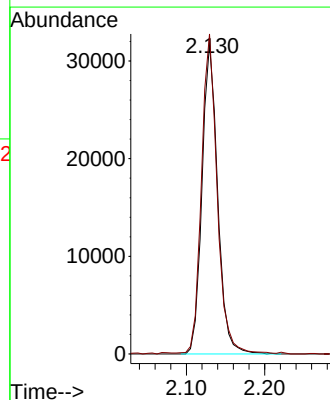
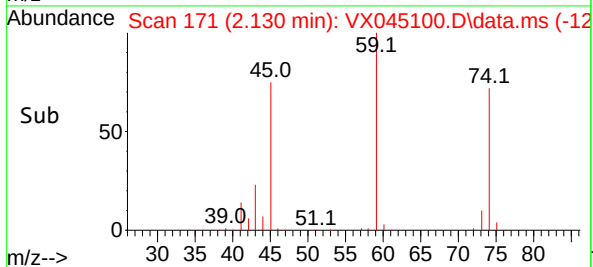
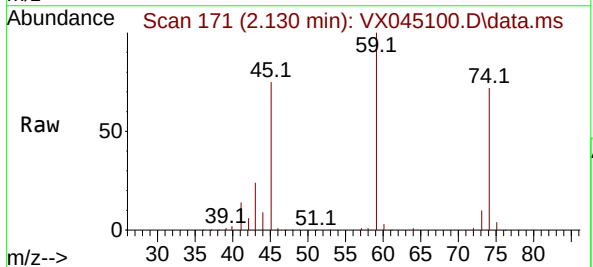
Manual Integrations
APPROVED

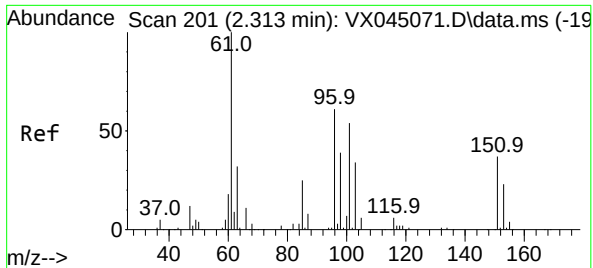
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#8
Diethyl Ether
Concen: 50.463 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

Tgt Ion: 74 Resp: 44057
Ion Ratio Lower Upper
74 100
45 102.8 51.5 154.5





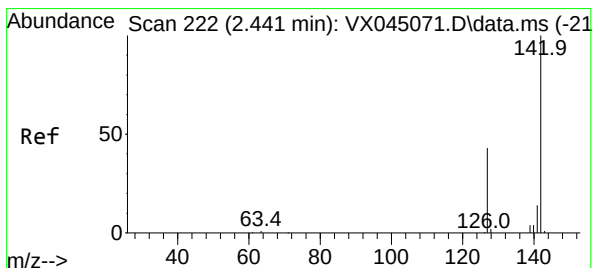
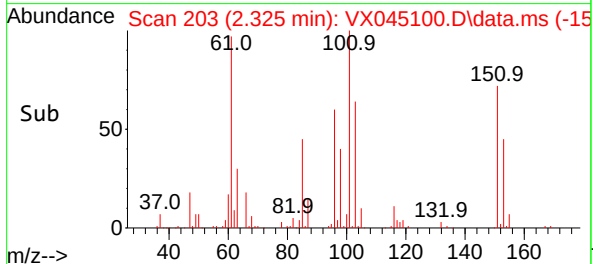
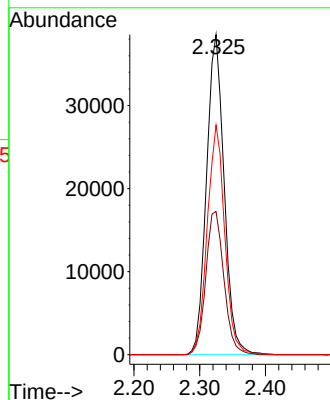
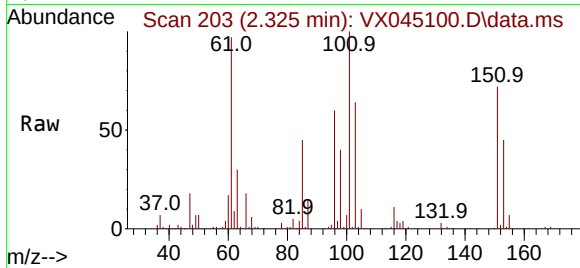
#9
1,1,2-Trichlorotrifluoroethane
Concen: 56.131 ug/l
RT: 2.325 min Scan# 201
Delta R.T. 0.012 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 7198
Ion Ratio Lower Upper
101 100
85 46.0 36.2 54.4
151 71.0 56.4 84.6

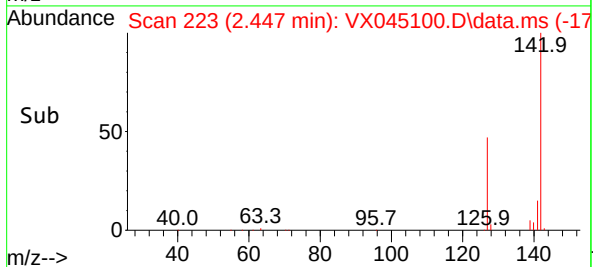
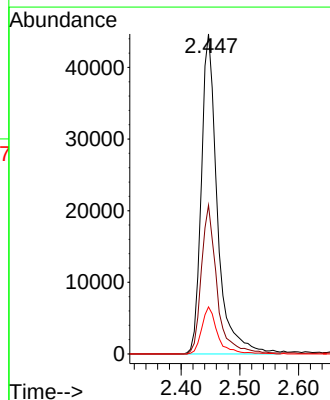
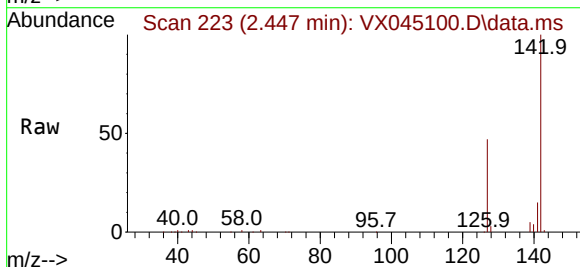
Manual Integrations
APPROVED

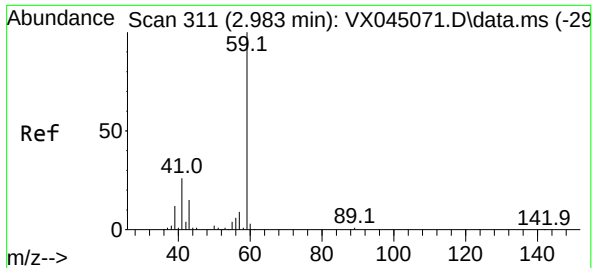
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#10
Methyl Iodide
Concen: 53.177 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

Tgt Ion:142 Resp: 85221
Ion Ratio Lower Upper
142 100
127 45.2 35.4 53.2
141 14.5 11.6 17.4





#11

Tert butyl alcohol

Concen: 190.512 ug/l

RT: 2.965 min Scan# 30

Delta R.T. -0.018 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 6333

Ion Ratio Lower Upper

59 100

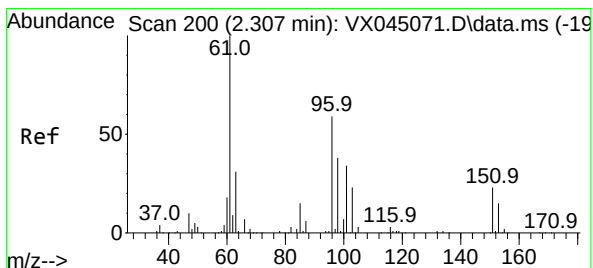
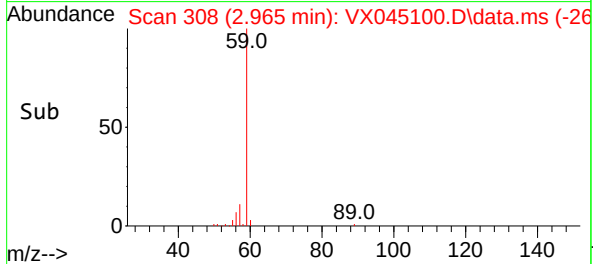
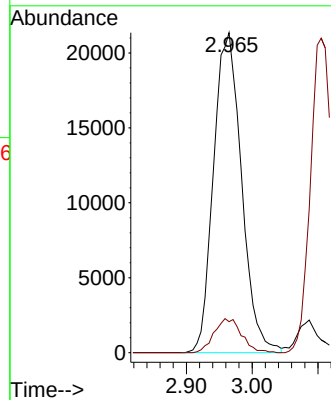
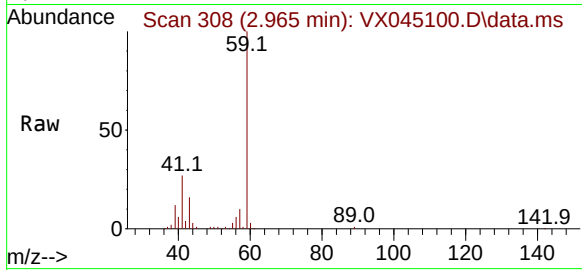
57 10.4 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#12

1,1-Dichloroethene

Concen: 50.985 ug/l

RT: 2.312 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

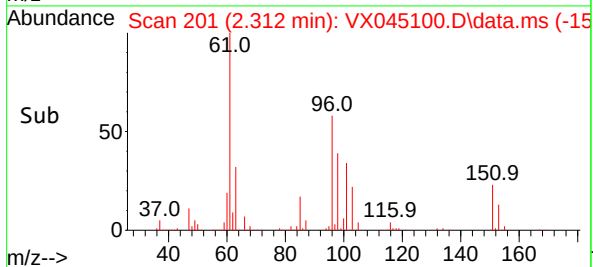
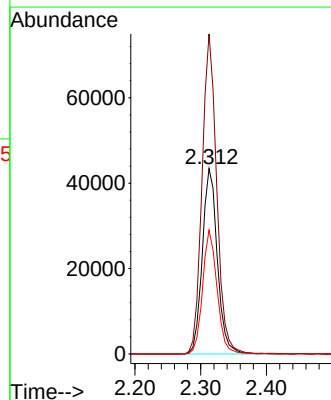
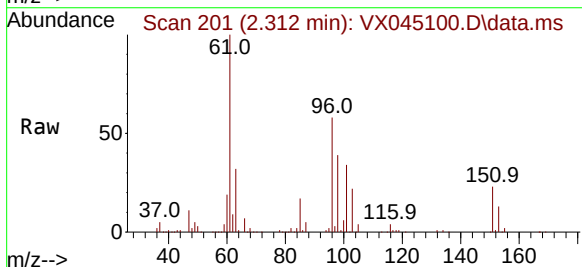
Tgt Ion: 96 Resp: 69125

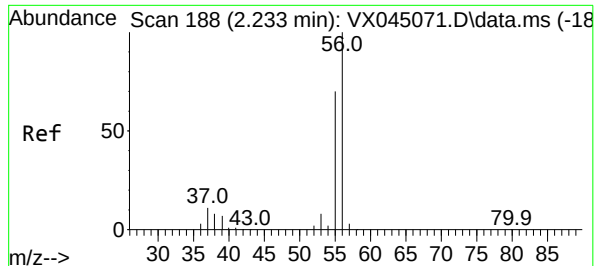
Ion Ratio Lower Upper

96 100

61 172.6 134.6 202.0

98 66.8 51.0 76.6





#13

Acrolein

Concen: 216.401 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 83160

Ion Ratio Lower Upper

56 100

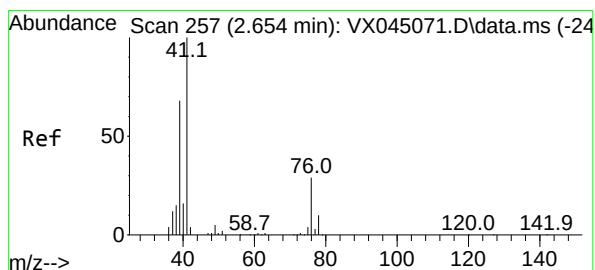
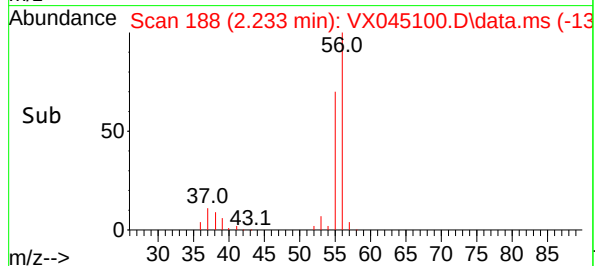
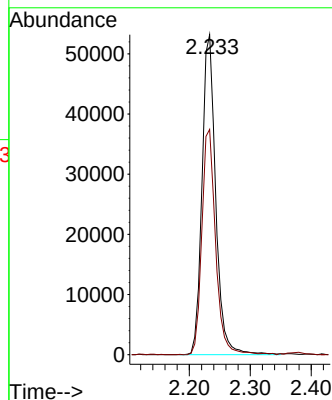
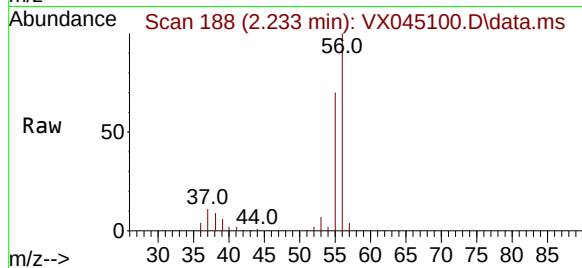
55 70.8 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#14

Allyl chloride

Concen: 52.751 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.006 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

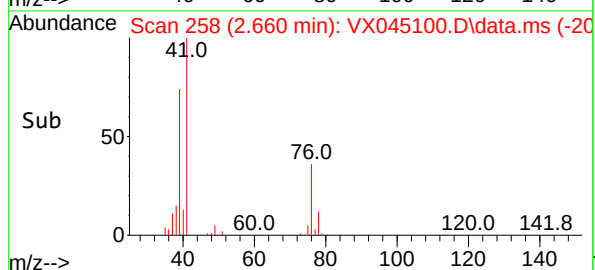
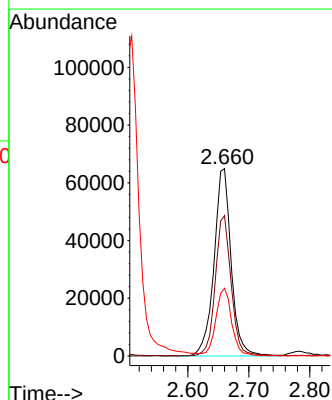
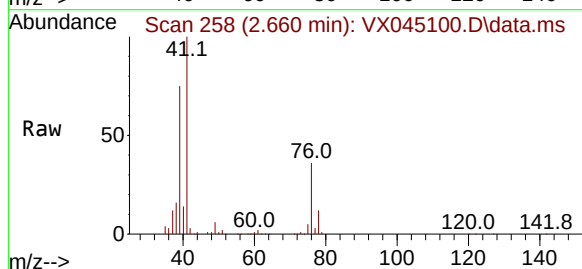
Tgt Ion: 41 Resp: 127308

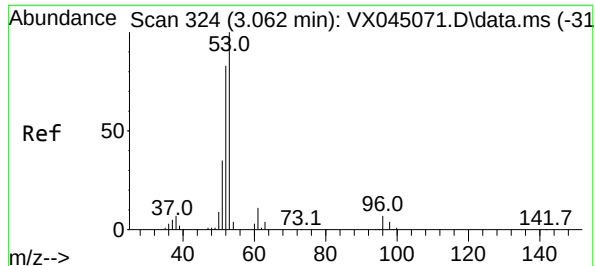
Ion Ratio Lower Upper

41 100

39 68.9 53.8 80.8

76 33.5 25.2 37.8





#15

Acrylonitrile

Concen: 221.534 ug/l

RT: 3.056 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 197379

Ion Ratio Lower Upper

53 100

52 83.0 66.2 99.2

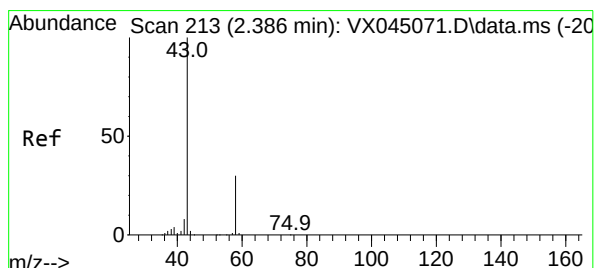
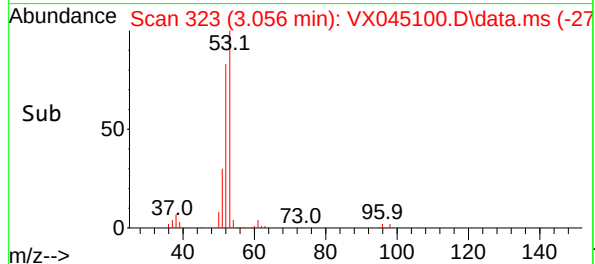
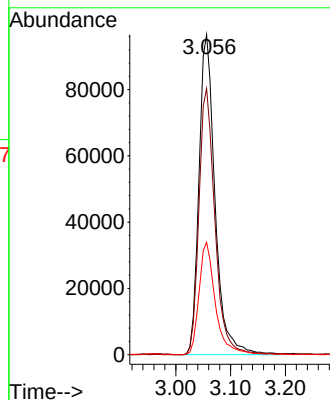
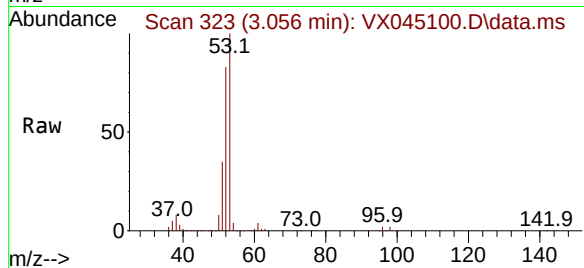
51 35.8 29.0 43.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#16

Acetone

Concen: 249.149 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.012 min

Lab File: VX045100.D

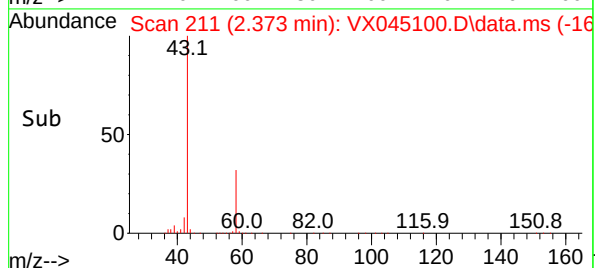
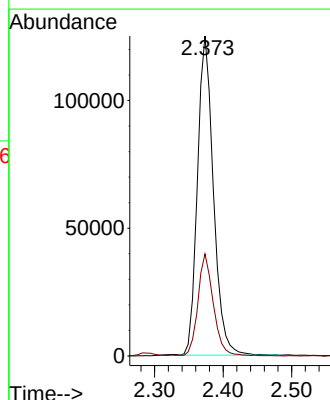
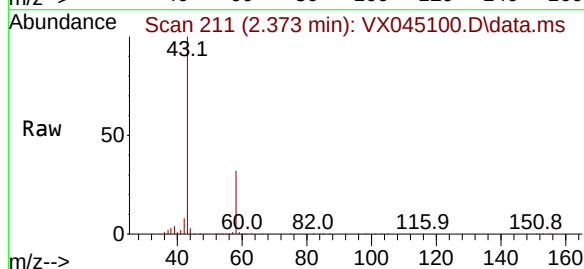
Acq: 03 Mar 2025 08:47

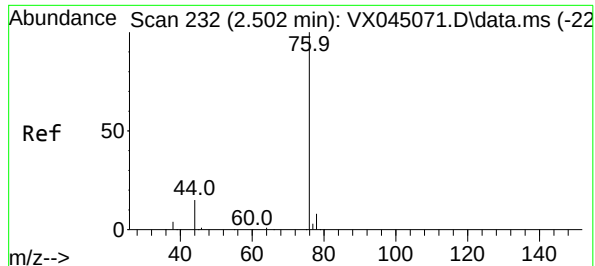
Tgt Ion: 43 Resp: 202880

Ion Ratio Lower Upper

43 100

58 31.9 24.2 36.4





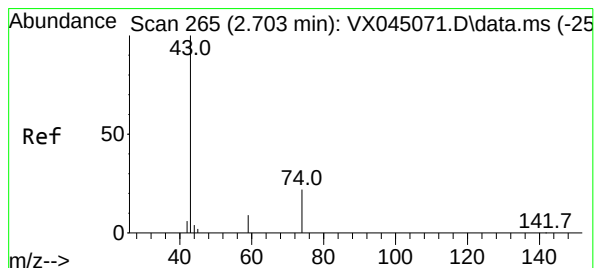
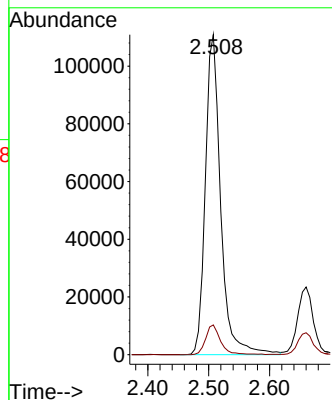
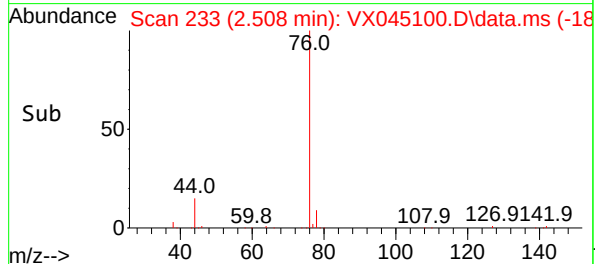
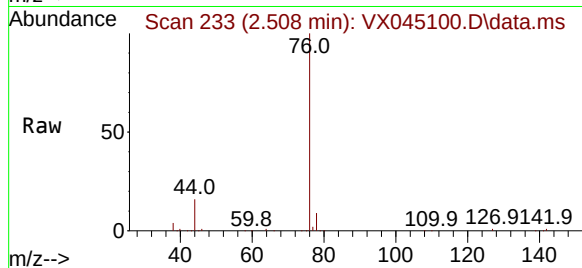
#17
Carbon Disulfide
Concen: 53.750 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 194098
Ion Ratio Lower Upper
76 100
78 9.3 6.6 9.8

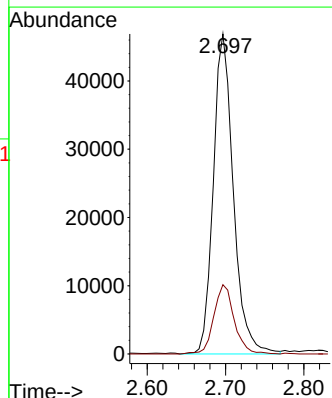
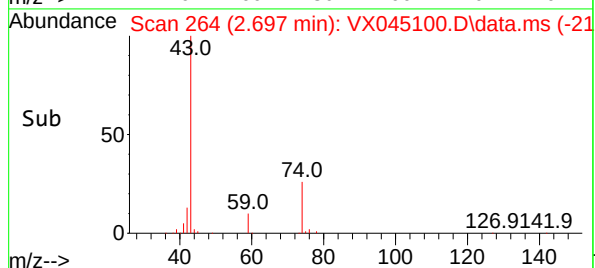
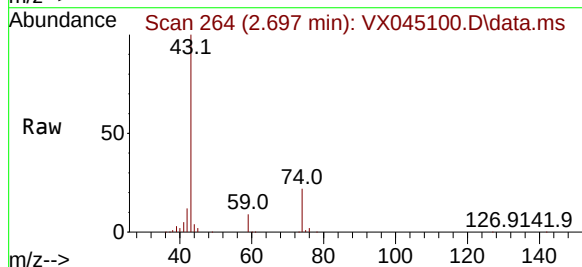
Manual Integrations
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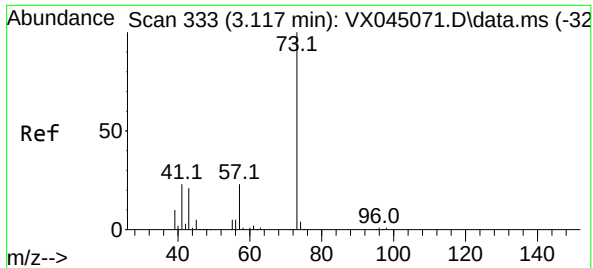
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#18
Methyl Acetate
Concen: 42.618 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

Tgt Ion: 43 Resp: 83486
Ion Ratio Lower Upper
43 100
74 22.0 17.4 26.2





#19

Methyl tert-butyl Ether

Concen: 48.930 ug/l

RT: 3.105 min Scan# 31

Delta R.T. -0.012 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 22256

Ion Ratio Lower Upper

73 100

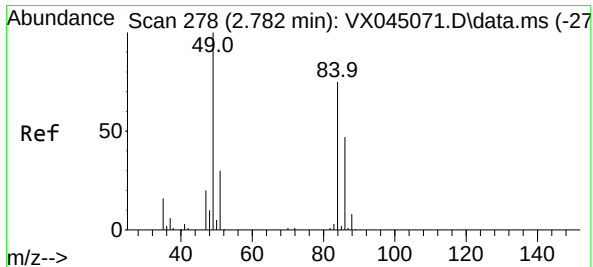
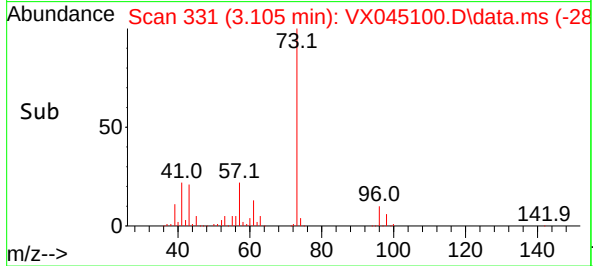
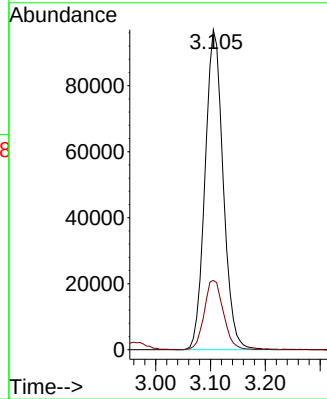
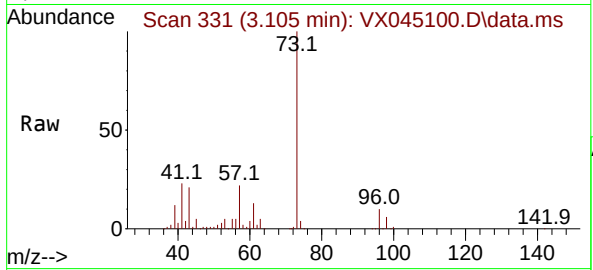
57 21.6 18.5 27.7

Manual Integrations

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Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#20

Methylene Chloride

Concen: 47.545 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Tgt Ion: 84 Resp: 76690

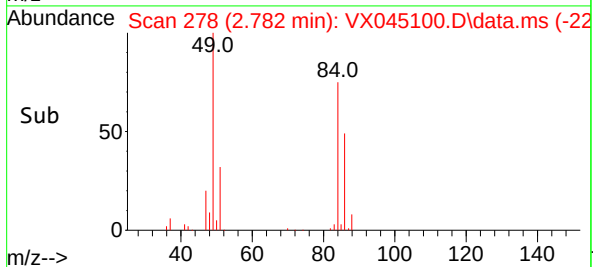
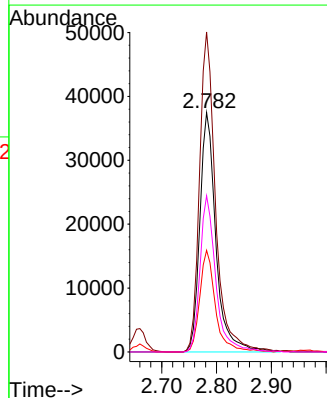
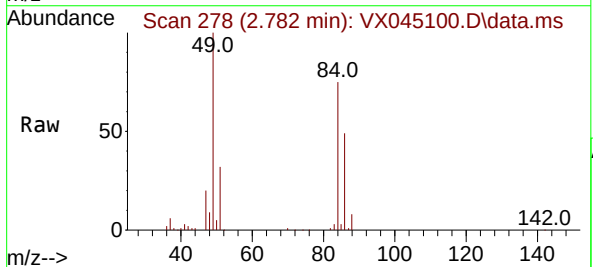
Ion Ratio Lower Upper

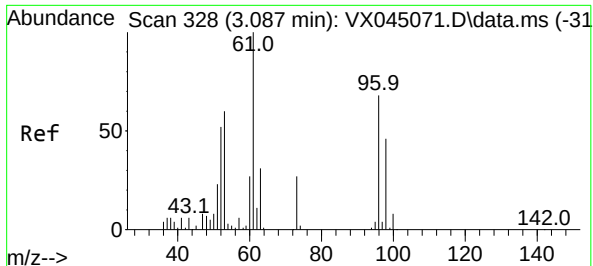
84 100

49 133.7 106.5 159.7

51 42.4 32.1 48.1

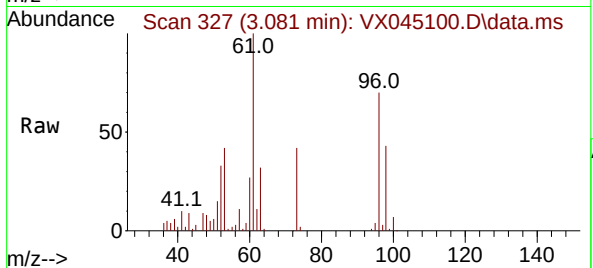
86 65.2 50.0 75.0





#21
trans-1,2-Dichloroethene
Concen: 52.185 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

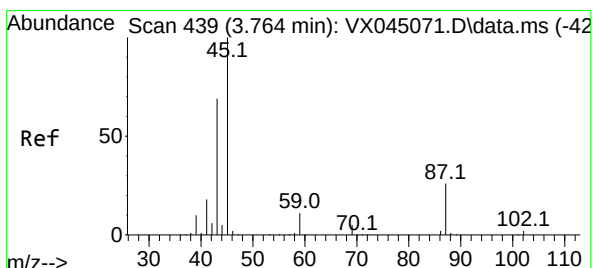
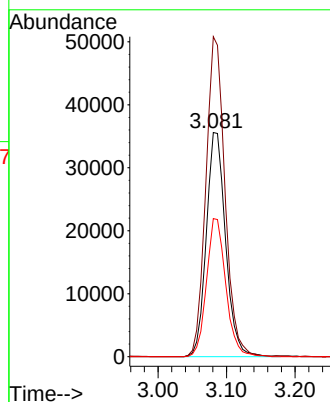
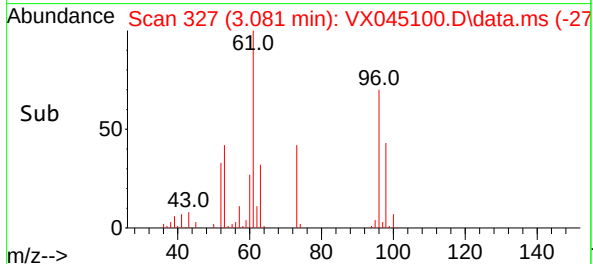
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



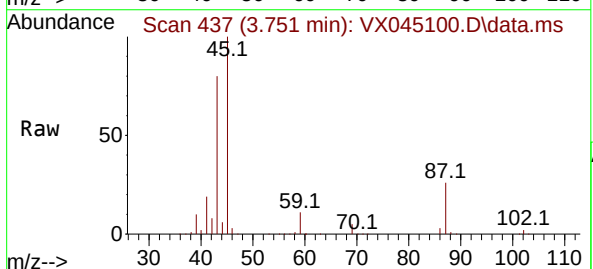
Tgt Ion: 96 Resp: 69898
Ion Ratio Lower Upper
96 100
61 142.7 117.0 175.4
98 61.6 53.4 80.2

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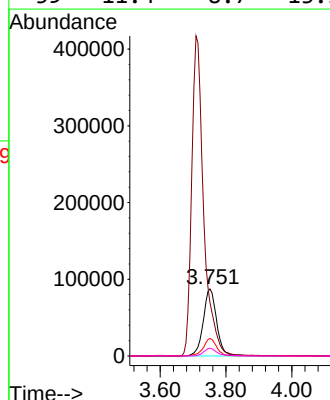
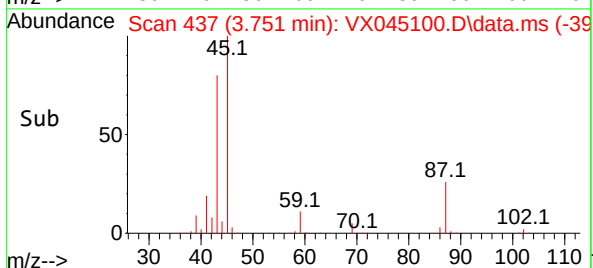
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025

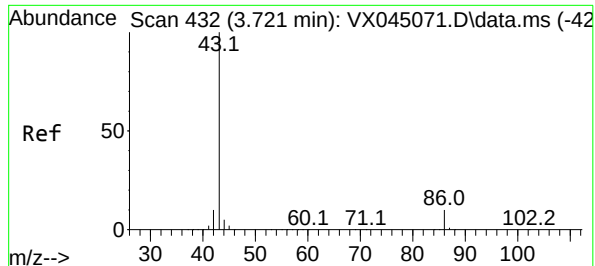


#22
Diisopropyl ether
Concen: 50.558 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.012 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47



Tgt Ion: 45 Resp: 248151
Ion Ratio Lower Upper
45 100
43 79.6 54.9 82.3
87 26.1 21.0 31.4
59 11.4 8.7 13.1





#23

Vinyl Acetate

Concen: 257.967 ug/l

RT: 3.709 min Scan# 41

Delta R.T. -0.012 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1056619

Ion Ratio Lower Upper

43 100

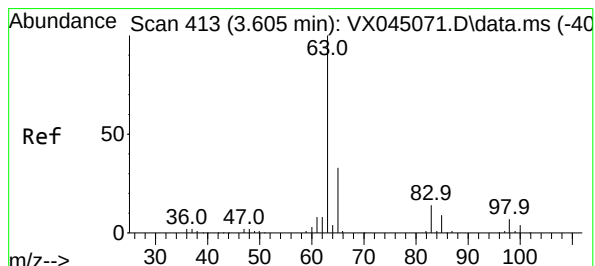
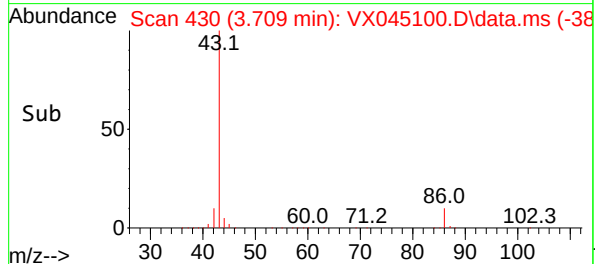
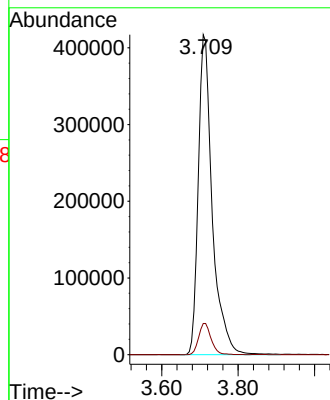
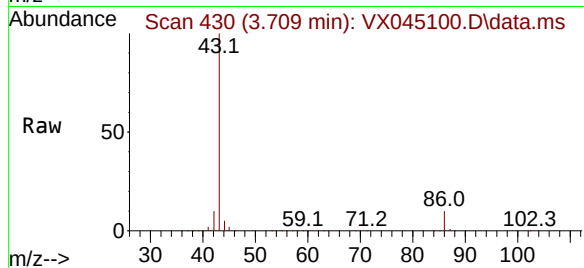
86 9.7 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#24

1,1-Dichloroethane

Concen: 49.028 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.006 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

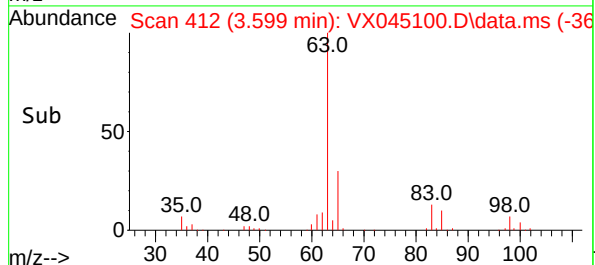
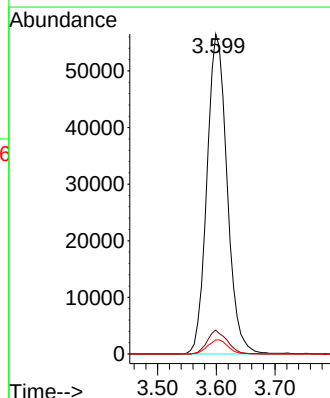
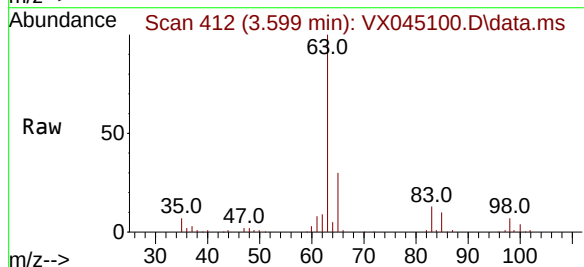
Tgt Ion: 63 Resp: 134862

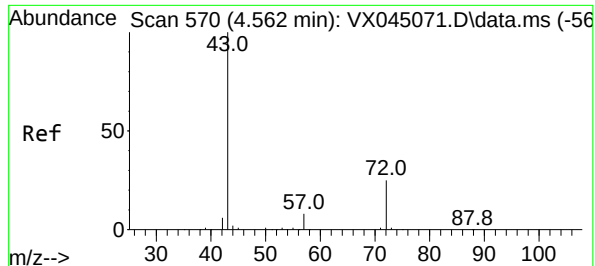
Ion Ratio Lower Upper

63 100

98 7.5 3.4 10.2

100 4.4 2.1 6.5





#25

2-Butanone

Concen: 228.483 ug/l

RT: 4.544 min Scan# 50

Delta R.T. -0.018 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 280054

Ion Ratio Lower Upper

43

100

72

23.8

20.0

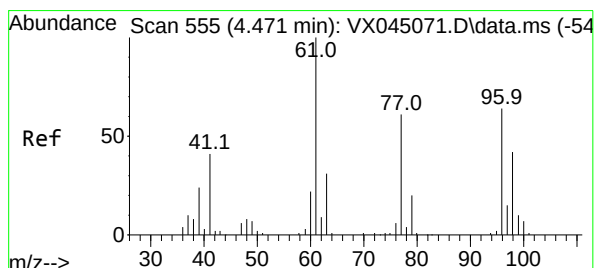
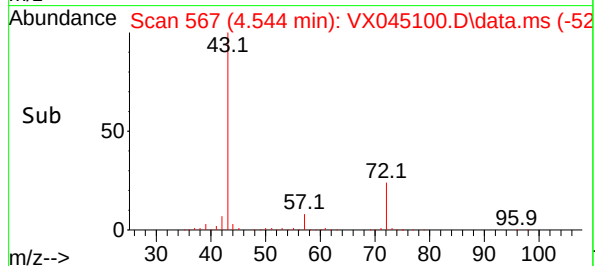
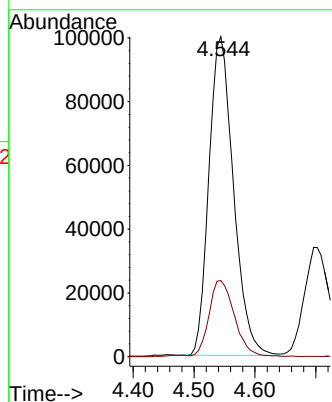
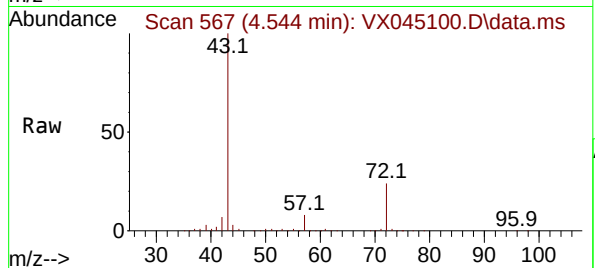
30.0

Manual Integrations

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Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#26

2,2-Dichloropropane

Concen: 81.229 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.006 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Tgt Ion: 77 Resp: 104804

Ion Ratio Lower Upper

77

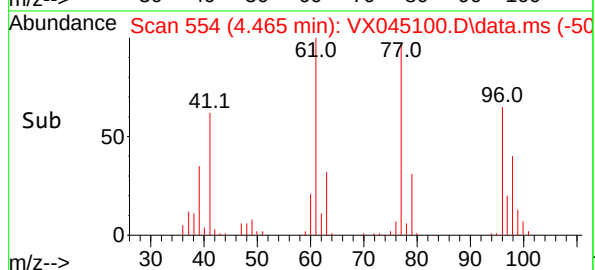
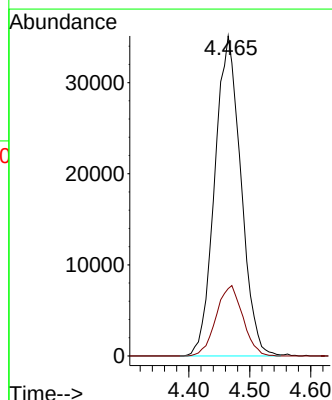
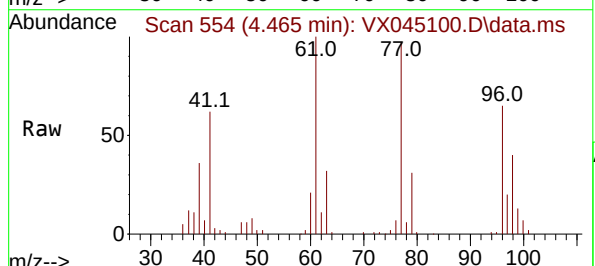
100

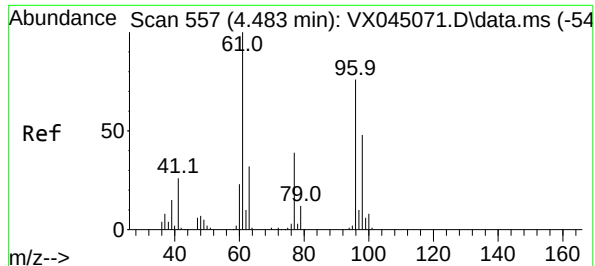
97

22.4

12.4

37.0





#27

cis-1,2-Dichloroethene

Concen: 49.752 ug/l

RT: 4.477 min Scan# 556

Delta R.T. -0.006 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 8226

Ion Ratio Lower Upper

96 100

61 149.7 0.0 283.2

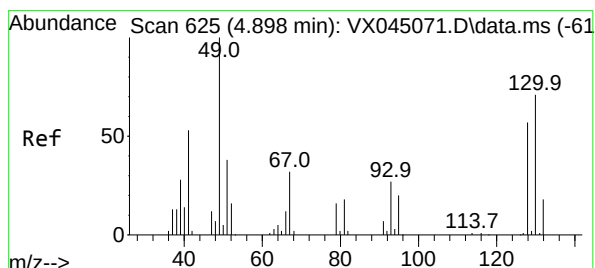
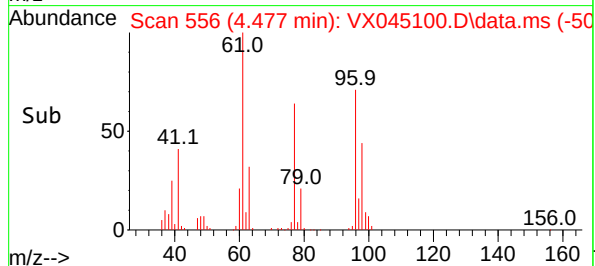
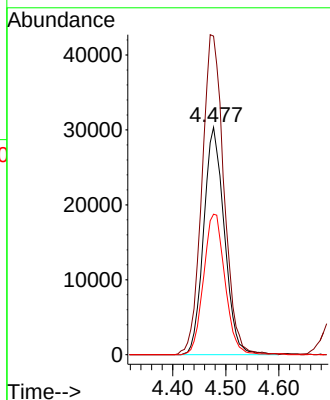
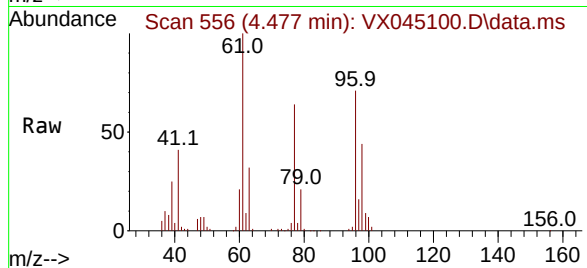
98 63.8 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#28

Bromochloromethane

Concen: 51.026 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.012 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

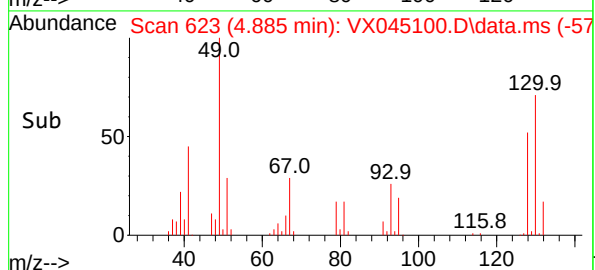
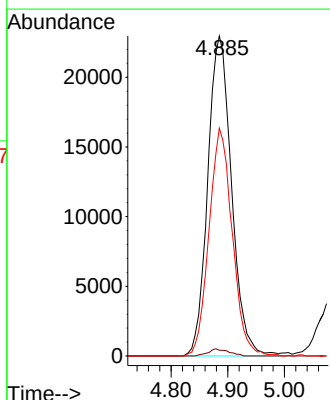
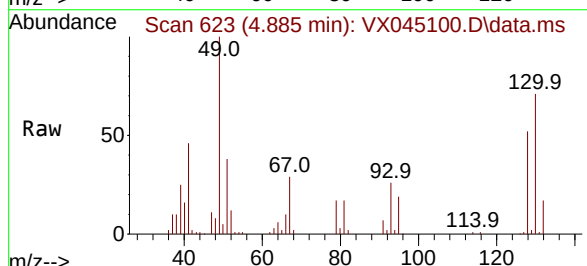
Tgt Ion: 49 Resp: 66902

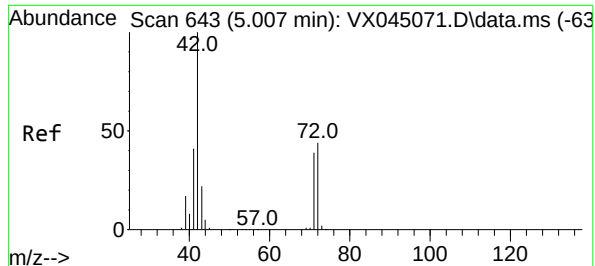
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.4

130 69.5 56.1 84.1





#29

Tetrahydrofuran

Concen: 205.464 ug/l

RT: 4.995 min Scan# 641

Delta R.T. -0.012 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 16912

Ion Ratio Lower Upper

42 100

72 42.7 34.1 51.1

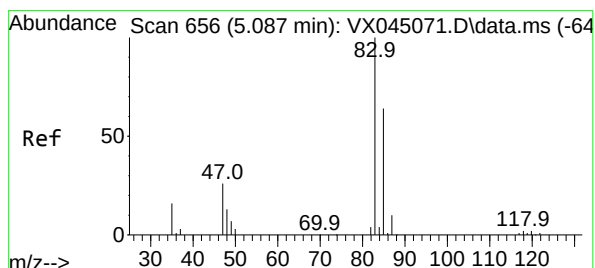
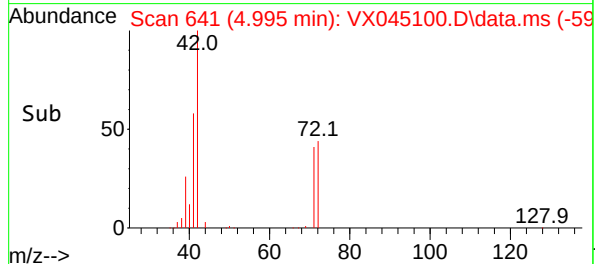
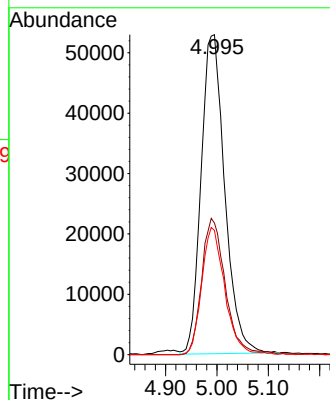
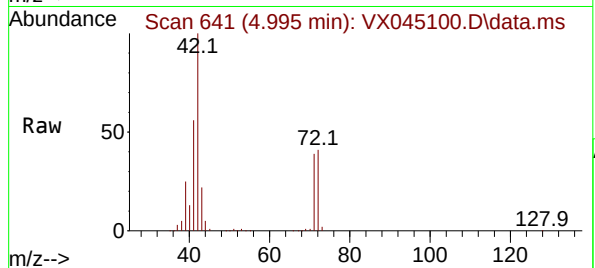
71 38.8 31.4 47.0

Manual Integrations

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Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#30

Chloroform

Concen: 48.717 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.006 min

Lab File: VX045100.D

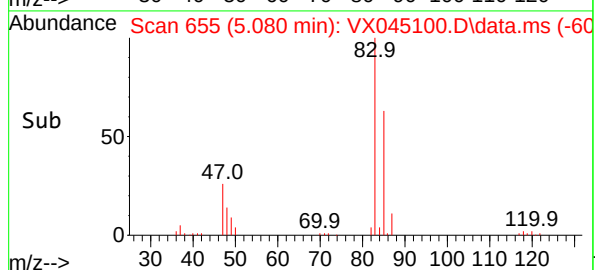
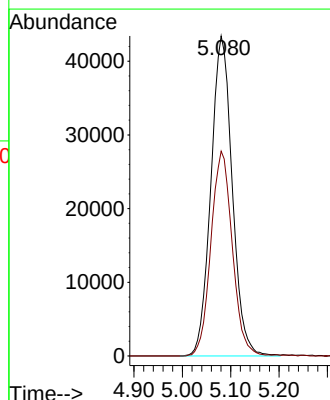
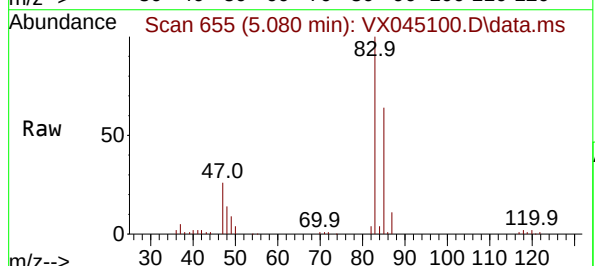
Acq: 03 Mar 2025 08:47

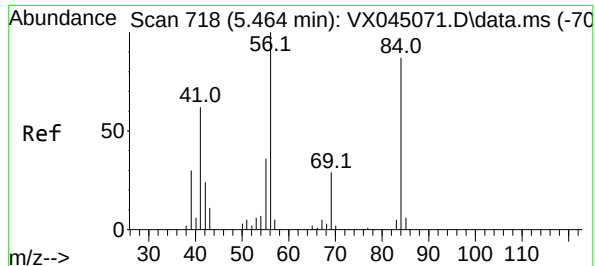
Tgt Ion: 83 Resp: 133151

Ion Ratio Lower Upper

83 100

85 64.0 51.4 77.2





#31

Cyclohexane

Concen: 52.450 ug/l

RT: 5.464 min Scan# 718

Delta R.T. -0.000 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 125240

Ion Ratio Lower Upper

56 100

69 30.6 23.4 35.2

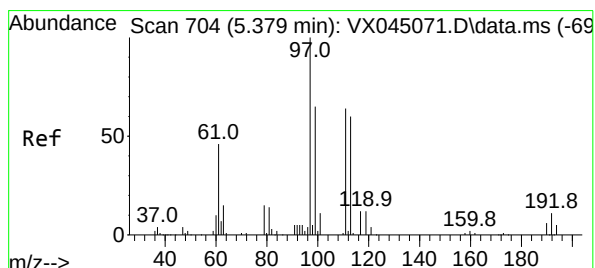
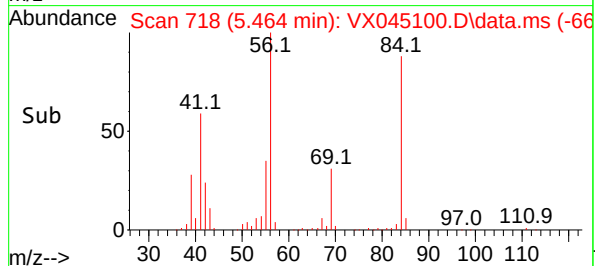
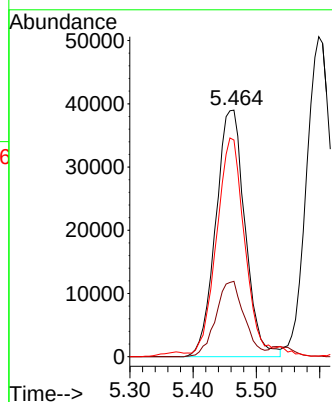
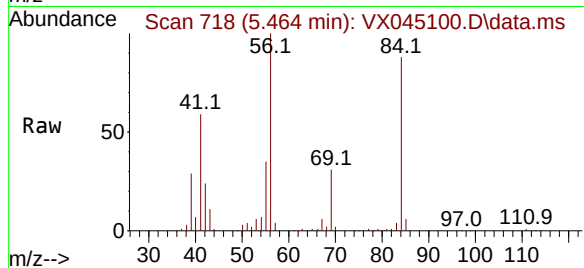
84 86.1 69.4 104.2

Manual Integrations

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Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#32

1,1,1-Trichloroethane

Concen: 50.666 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.006 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

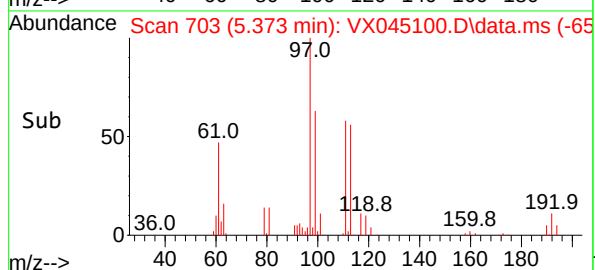
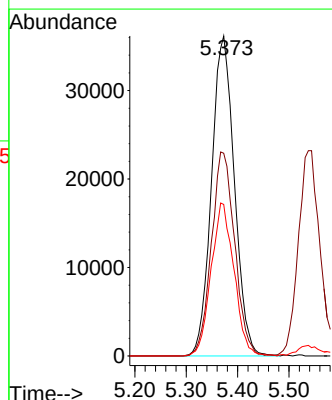
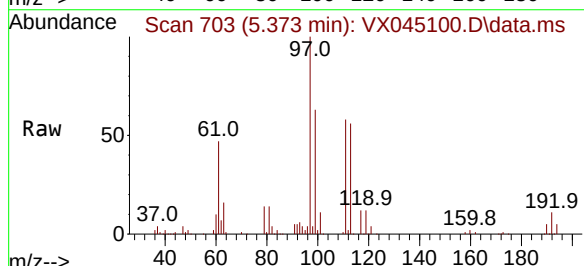
Tgt Ion: 97 Resp: 111844

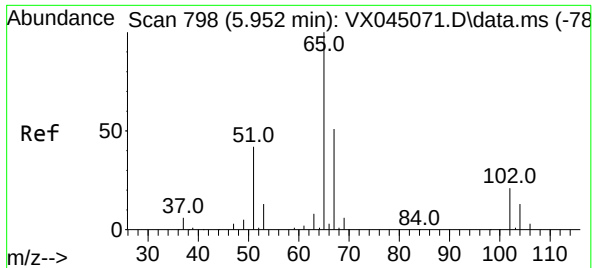
Ion Ratio Lower Upper

97 100

99 64.9 51.6 77.4

61 47.8 38.4 57.6





#33

1,2-Dichloroethane-d4

Concen: 44.748 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 7853

Ion Ratio Lower Upper

65 100

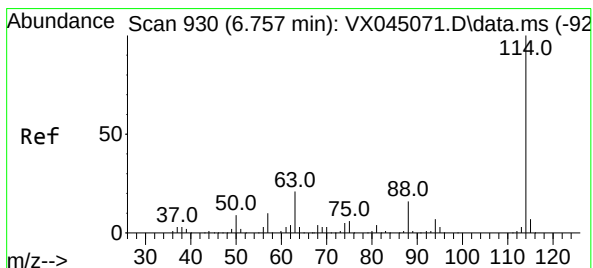
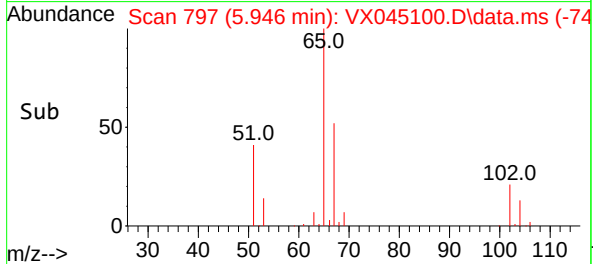
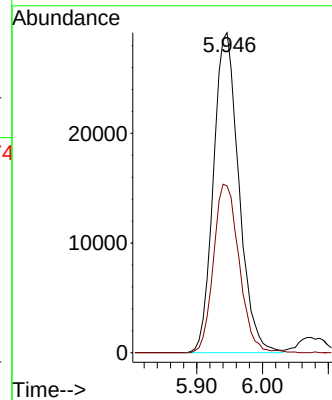
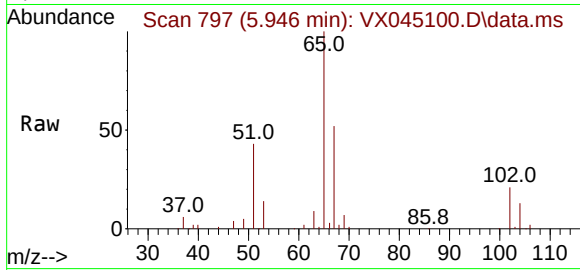
67 53.1 0.0 106.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

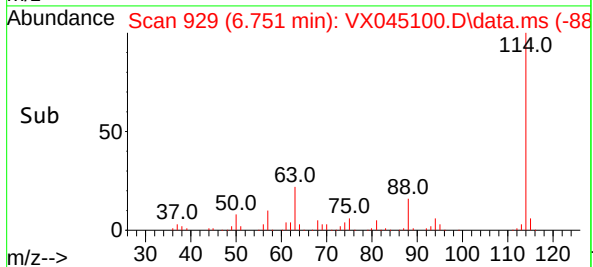
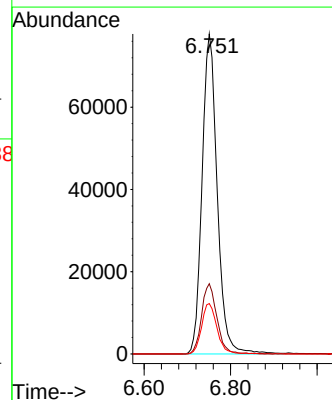
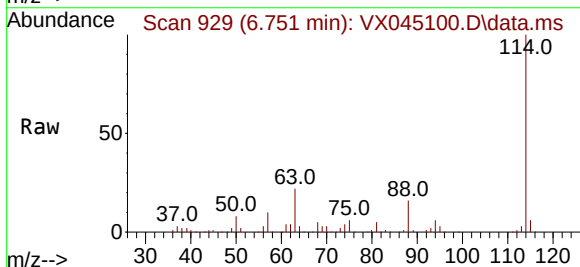
Tgt Ion:114 Resp: 188916

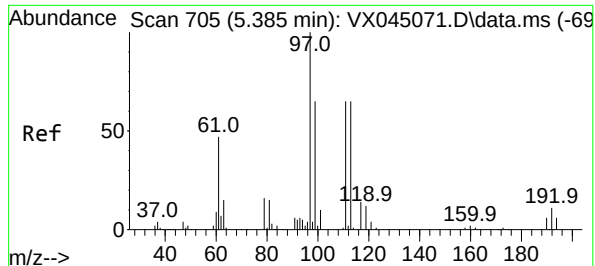
Ion Ratio Lower Upper

114 100

63 22.0 0.0 41.8

88 15.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.176 ug/l

RT: 5.373 min Scan# 705

Delta R.T. -0.012 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 6085

Ion Ratio Lower Upper

113 100

111 104.6 81.8 122.6

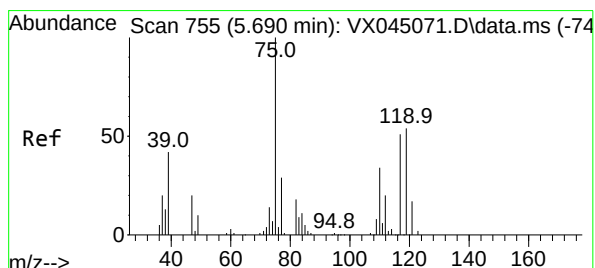
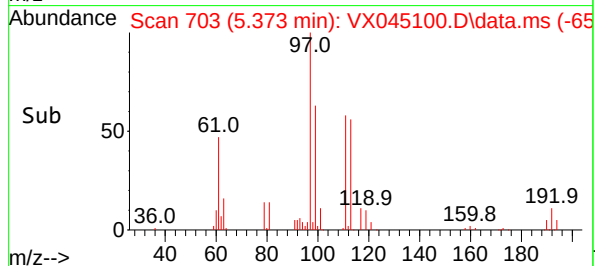
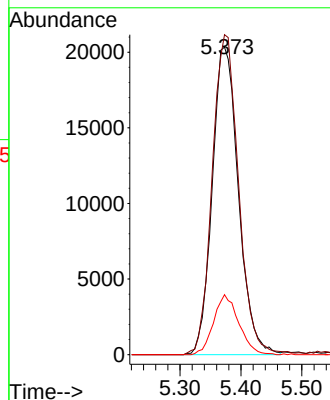
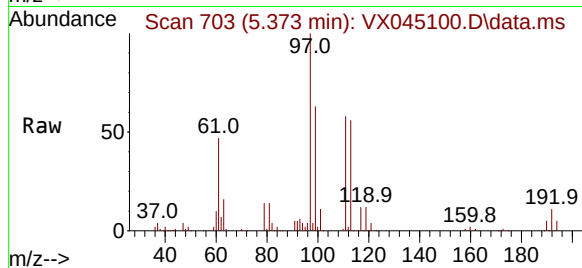
192 18.7 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#36

1,1-Dichloropropene

Concen: 53.817 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

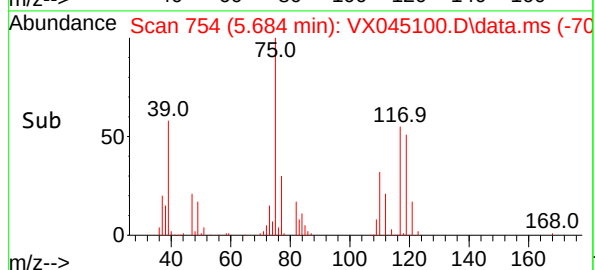
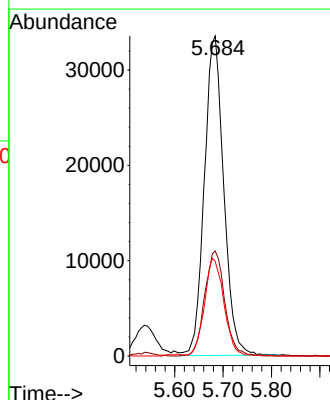
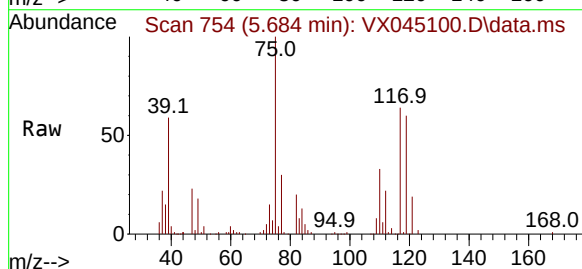
Tgt Ion: 75 Resp: 93232

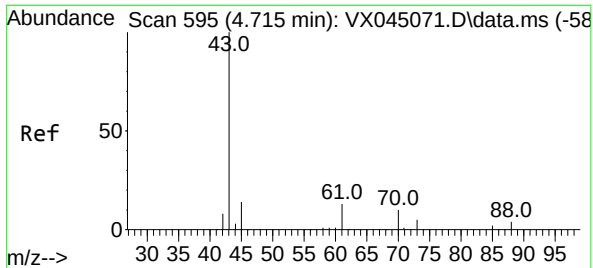
Ion Ratio Lower Upper

75 100

110 34.1 16.9 50.6

77 30.8 24.5 36.7





#37

Ethyl Acetate

Concen: 45.441 ug/l

RT: 4.696 min Scan# 592

Delta R.T. -0.018 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 101438

Ion Ratio Lower Upper

43 100

61 13.3 10.8 16.2

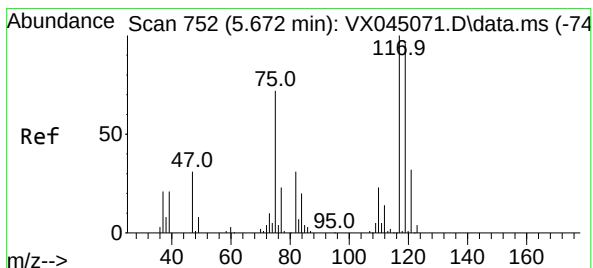
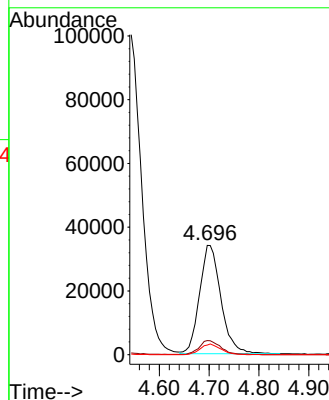
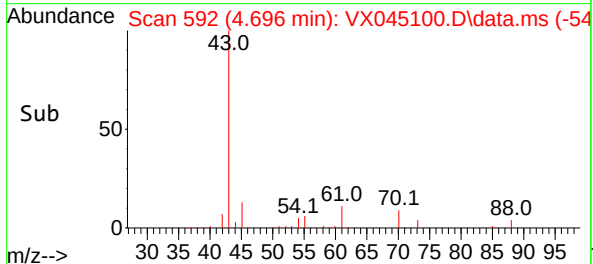
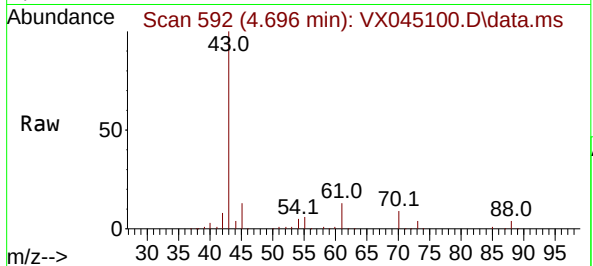
70 9.3 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#38

Carbon Tetrachloride

Concen: 55.698 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

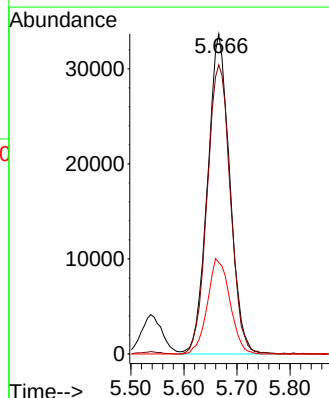
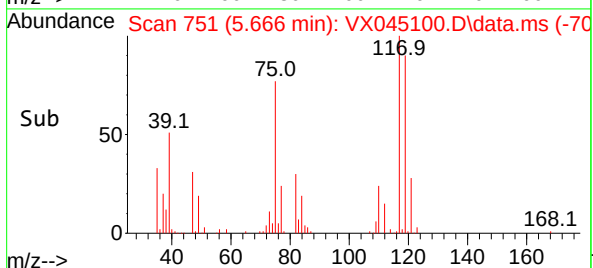
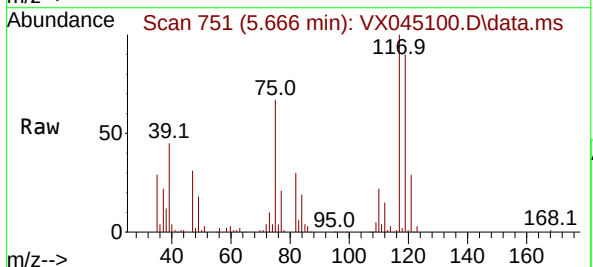
Tgt Ion:117 Resp: 97961

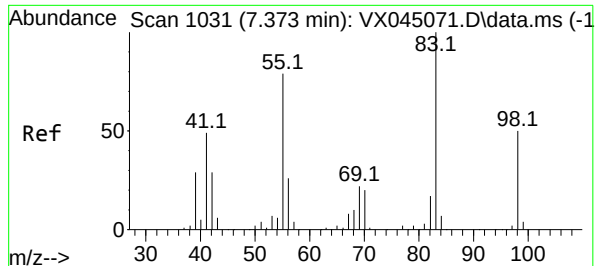
Ion Ratio Lower Upper

117 100

119 90.4 76.7 115.1

121 28.6 25.5 38.3





#39

Methylcyclohexane

Concen: 60.020 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 124590

Ion Ratio Lower Upper

83 100

55 76.0 63.0 94.4

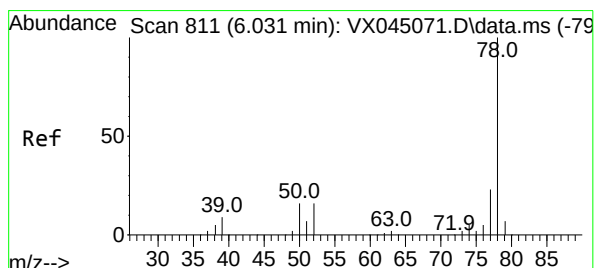
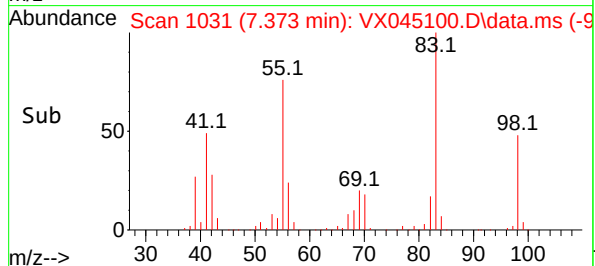
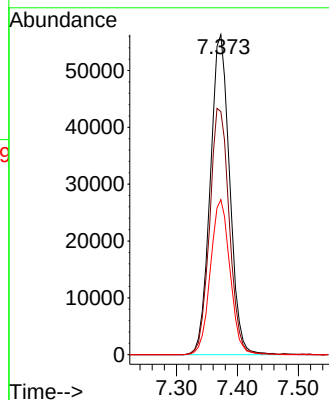
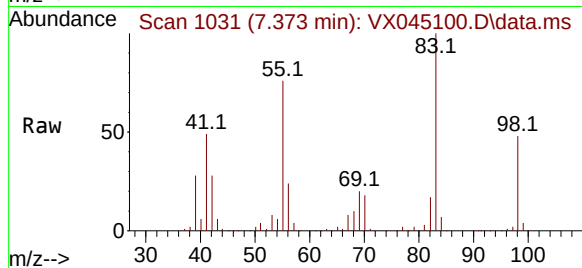
98 48.4 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#40

Benzene

Concen: 51.902 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX045100.D

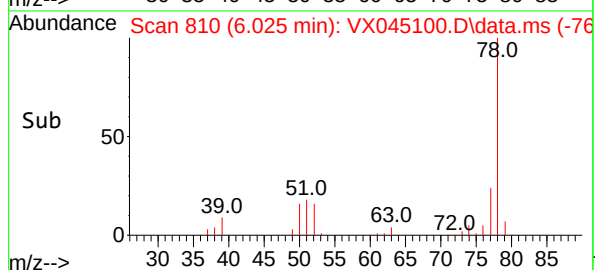
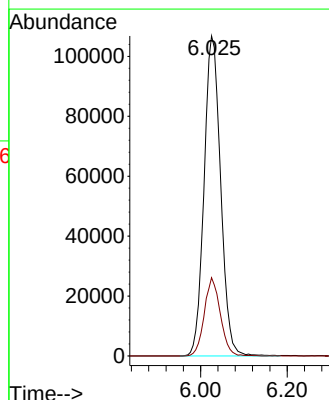
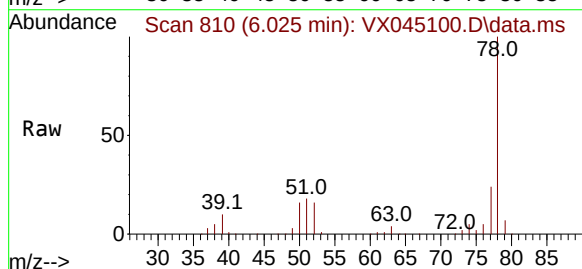
Acq: 03 Mar 2025 08:47

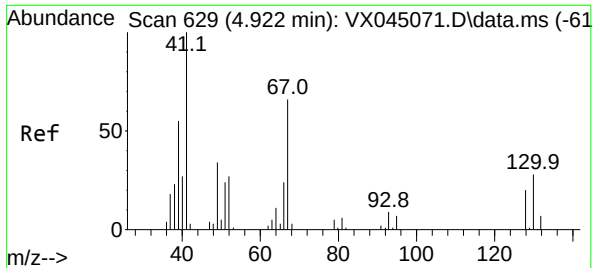
Tgt Ion: 78 Resp: 283933

Ion Ratio Lower Upper

78 100

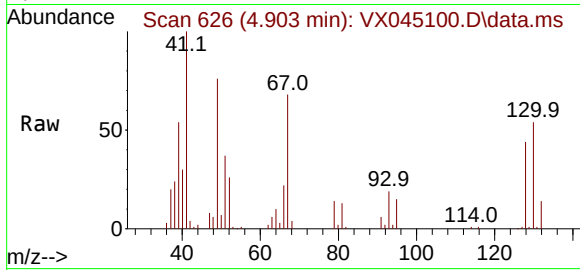
77 24.4 18.8 28.2





#41
Methacrylonitrile
Concen: 47.832 ug/l
RT: 4.903 min Scan# 61
Delta R.T. -0.018 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

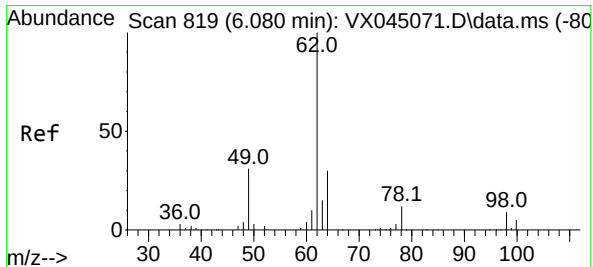
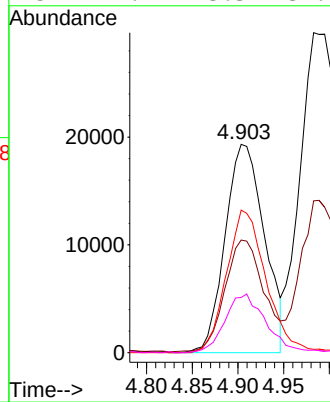
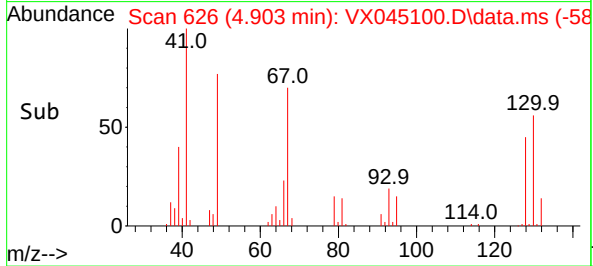
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 41 Resp: 5773
Ion Ratio Lower Upper
41 100
39 53.3 44.6 67.0
67 69.3 53.9 80.9
52 29.4 23.3 34.9

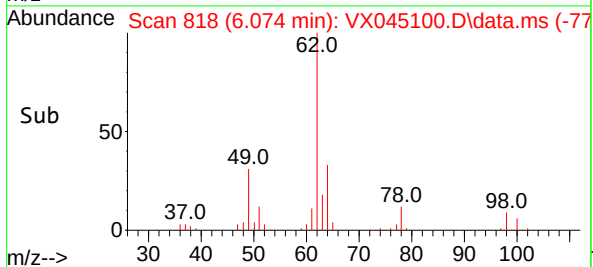
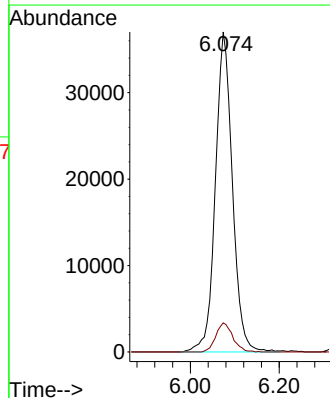
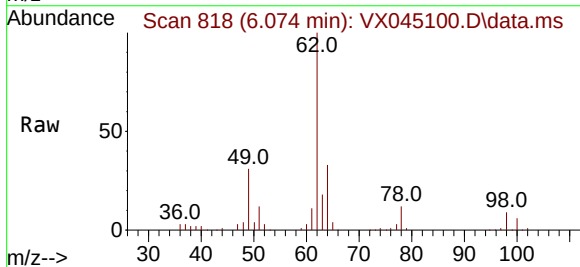
Manual Integrations
APPROVED

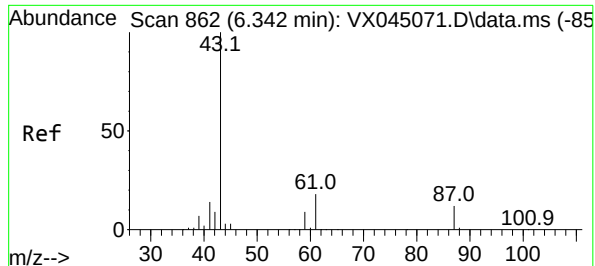
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#42
1,2-Dichloroethane
Concen: 49.867 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.006 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

Tgt Ion: 62 Resp: 98234
Ion Ratio Lower Upper
62 100
98 9.0 0.0 18.2





#43

Isopropyl Acetate

Concen: 50.206 ug/l

RT: 6.330 min Scan# 860

Delta R.T. -0.012 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 165728

Ion Ratio Lower Upper

43

100

61

18.4

87

12.4

9.4

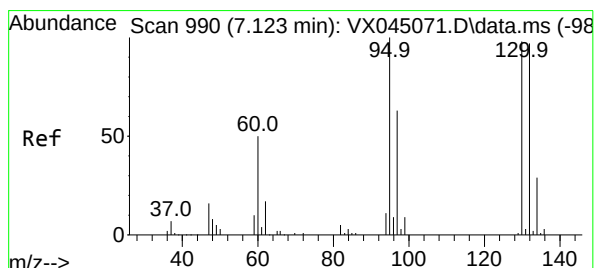
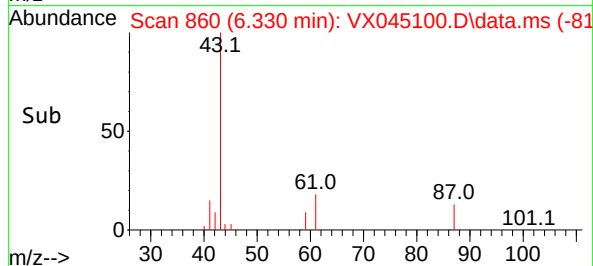
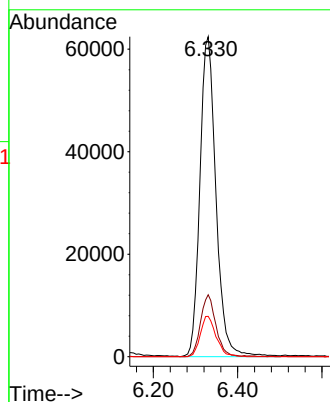
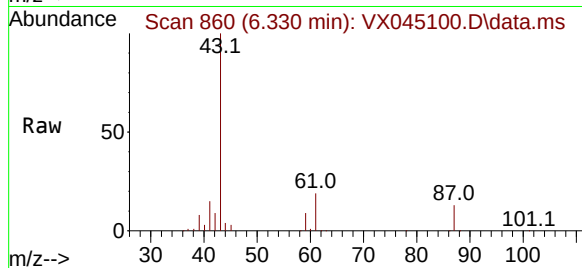
14.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#44

Trichloroethene

Concen: 52.774 ug/l

RT: 7.117 min Scan# 989

Delta R.T. -0.006 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Tgt Ion:130 Resp: 67789

Ion Ratio Lower Upper

130

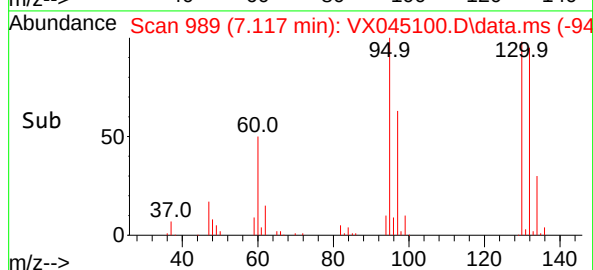
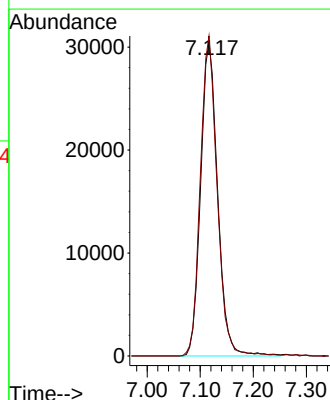
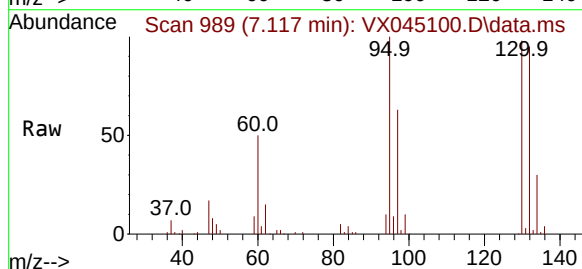
100

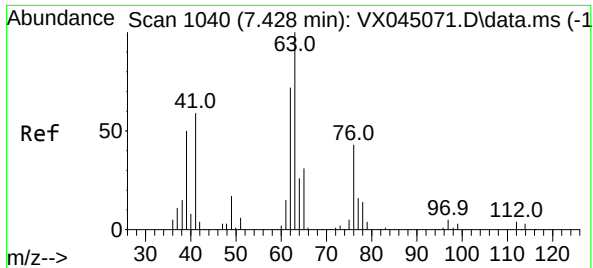
95

101.8

0.0

205.0





#45

1,2-Dichloropropane

Concen: 50.569 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 7112

Ion Ratio Lower Upper

63 100

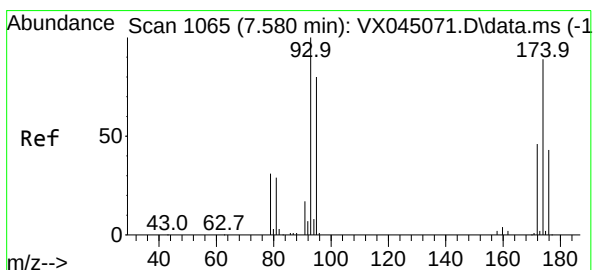
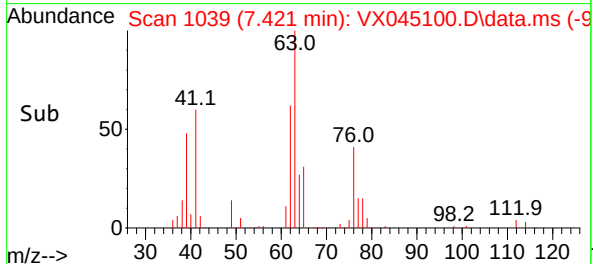
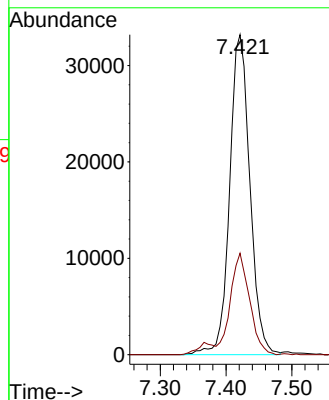
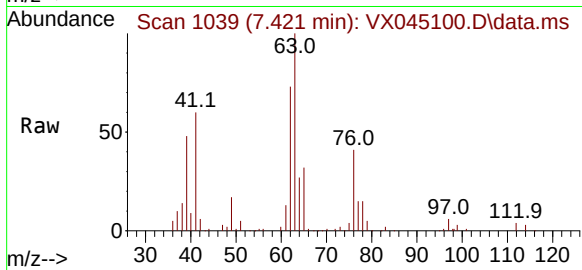
65 31.7 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#46

Dibromomethane

Concen: 51.811 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.006 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

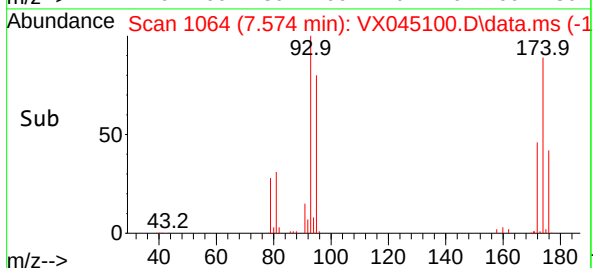
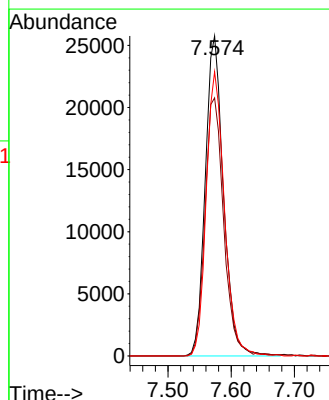
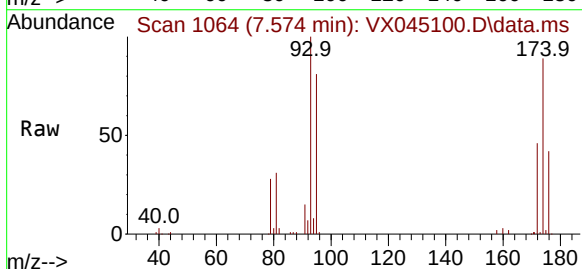
Tgt Ion: 93 Resp: 51508

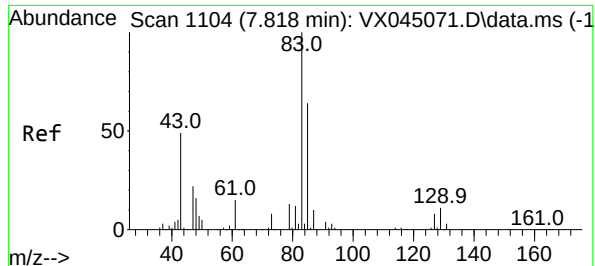
Ion Ratio Lower Upper

93 100

95 83.9 65.8 98.8

174 89.1 72.2 108.2





#47

Bromodichloromethane

Concen: 52.895 ug/l

RT: 7.811 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 10314

Ion Ratio Lower Upper

83 100

85 63.1 51.1 76.7

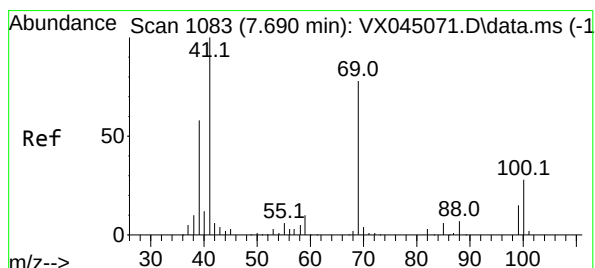
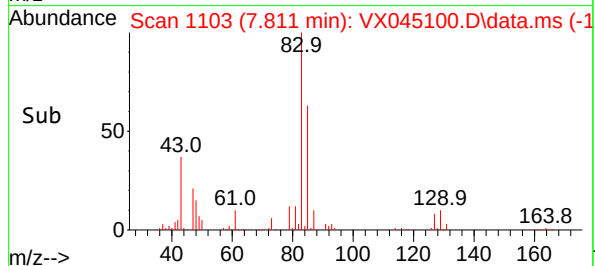
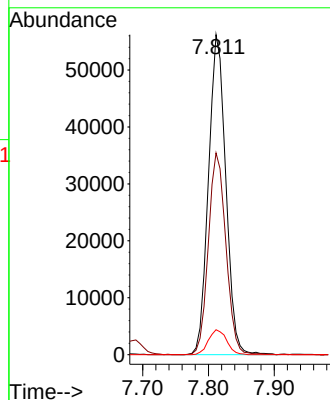
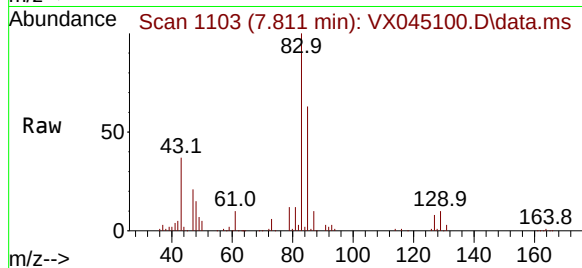
127 7.8 6.4 9.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#48

Methyl methacrylate

Concen: 49.240 ug/l

RT: 7.683 min Scan# 1082

Delta R.T. -0.006 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

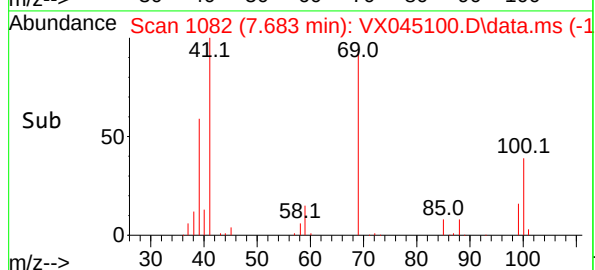
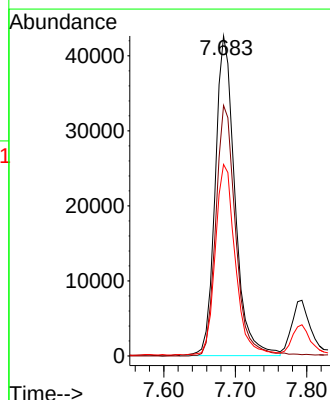
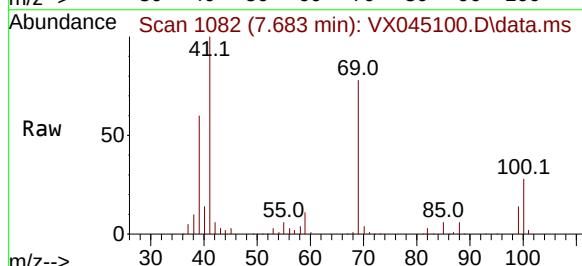
Tgt Ion: 41 Resp: 81543

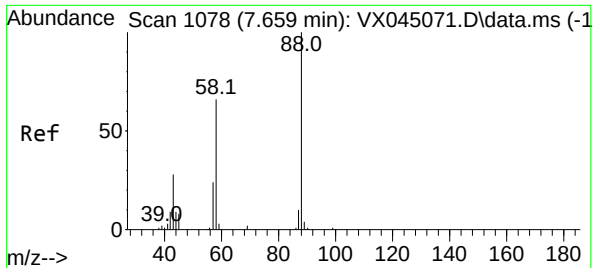
Ion Ratio Lower Upper

41 100

69 79.2 63.0 94.6

39 60.5 47.5 71.3





#49

1,4-Dioxane

Concen: 965.401 ug/l

RT: 7.653 min Scan# 1077

Delta R.T. -0.006 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 33724

Ion Ratio Lower Upper

88 100

43 35.9 28.7 43.1

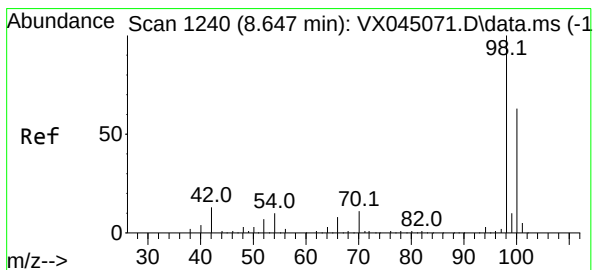
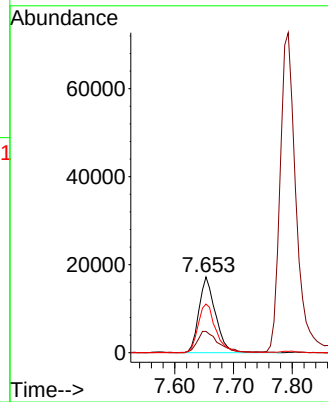
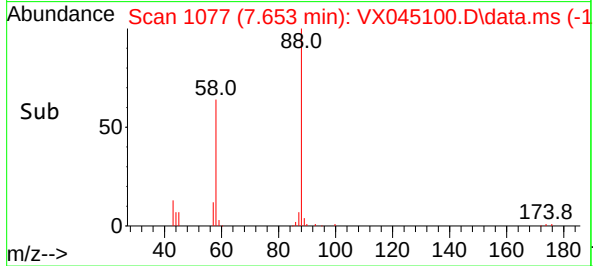
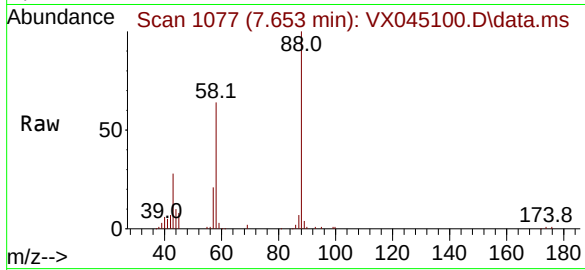
58 67.9 55.8 83.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#50

Toluene-d8

Concen: 49.917 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. -0.006 min

Lab File: VX045100.D

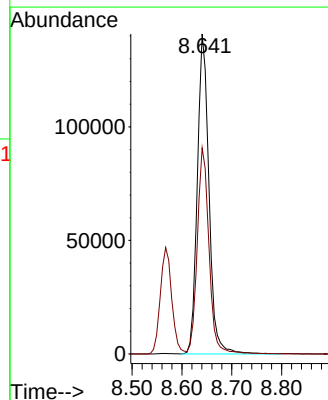
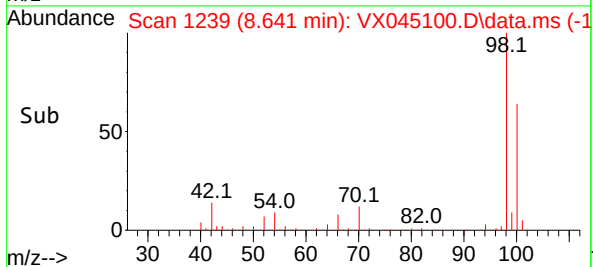
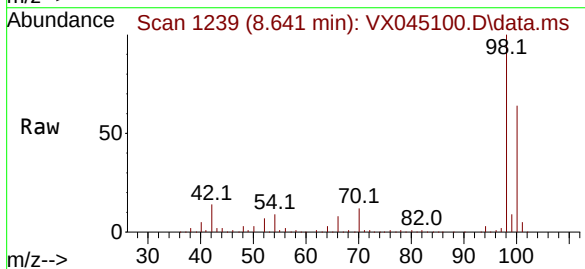
Acq: 03 Mar 2025 08:47

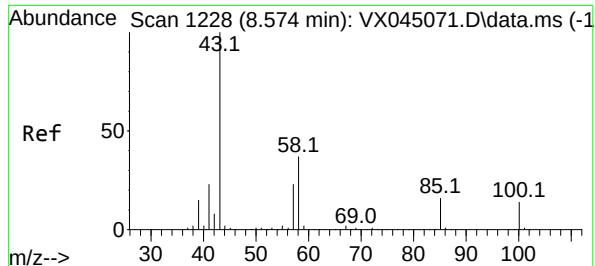
Tgt Ion: 98 Resp: 228601

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0





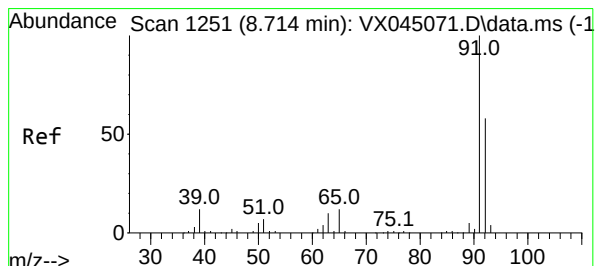
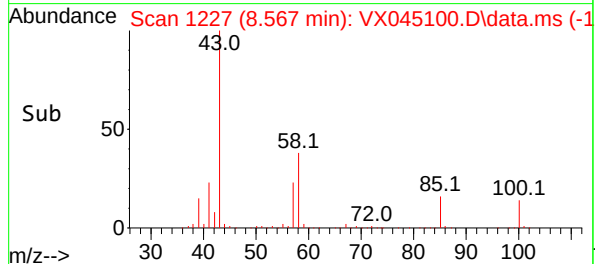
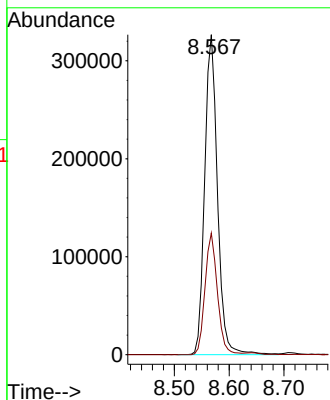
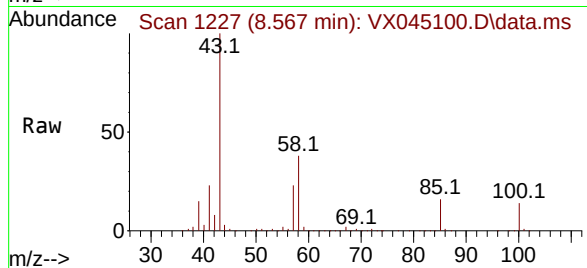
#51
4-Methyl-2-Pentanone
Concen: 237.886 ug/l
RT: 8.567 min Scan# 1227
Delta R.T. -0.006 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 527249
Ion Ratio Lower Upper
43 100
58 36.8 29.2 43.8

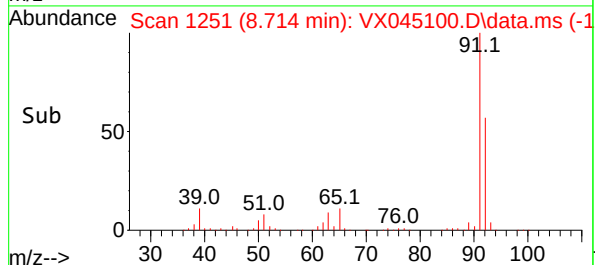
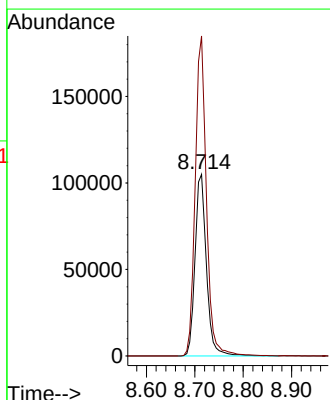
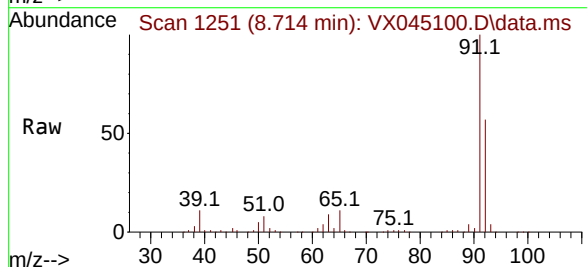
Manual Integrations
APPROVED

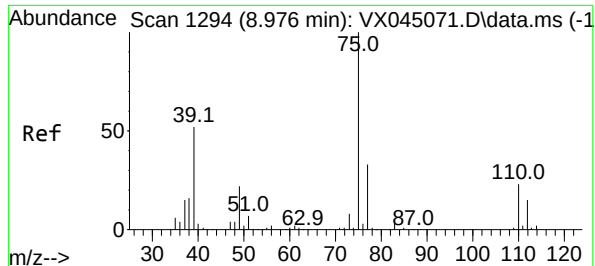
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#52
Toluene
Concen: 53.470 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

Tgt Ion: 92 Resp: 171620
Ion Ratio Lower Upper
92 100
91 173.2 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 60.846 ug/l

RT: 8.970 min Scan# 1193

Delta R.T. -0.006 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 9919

Ion Ratio Lower Upper

75 100

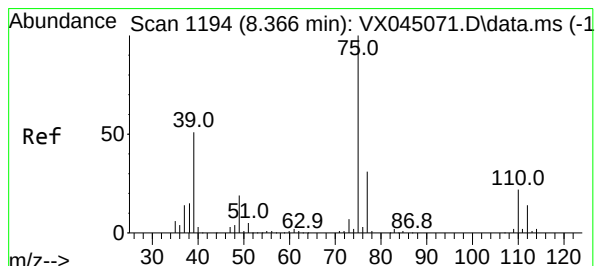
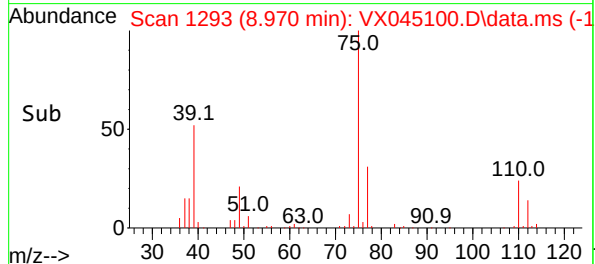
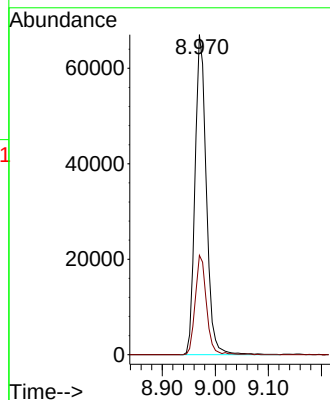
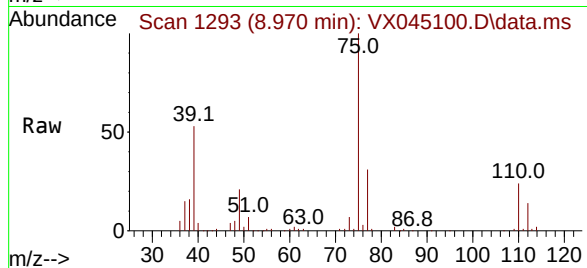
77 31.0 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#54

cis-1,3-Dichloropropene

Concen: 59.082 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.006 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

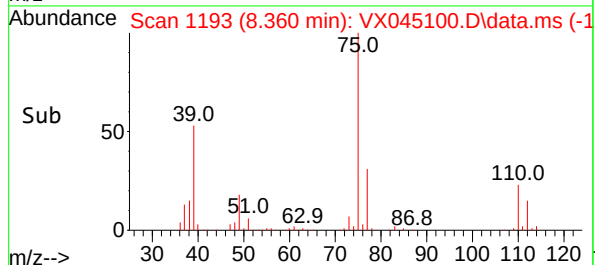
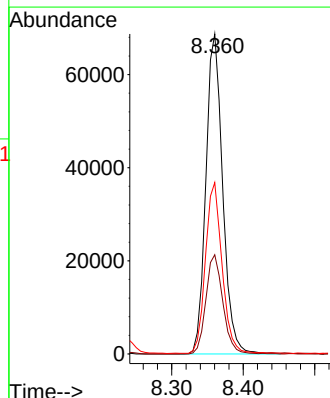
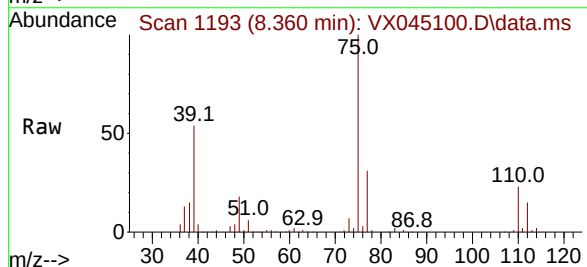
Tgt Ion: 75 Resp: 112314

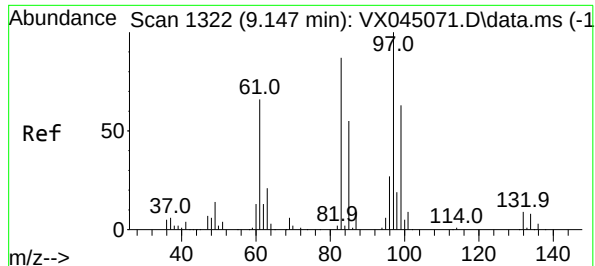
Ion Ratio Lower Upper

75 100

77 31.0 24.7 37.1

39 53.4 40.7 61.1





#55

1,1,2-Trichloroethane

Concen: 49.192 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 65000

Ion Ratio Lower Upper

97 100

83 89.7 69.4 104.2

85 59.3 44.1 66.1

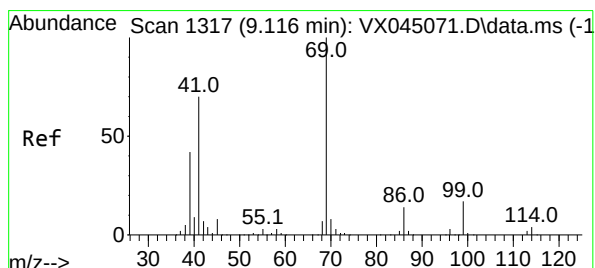
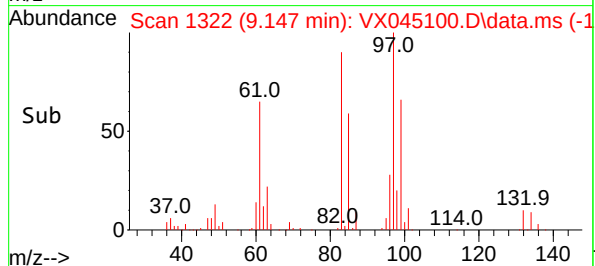
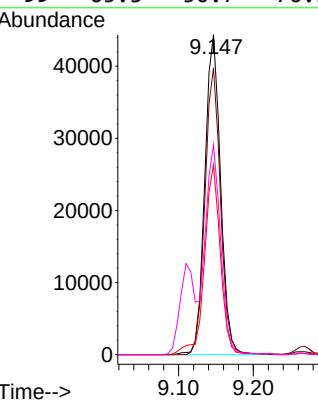
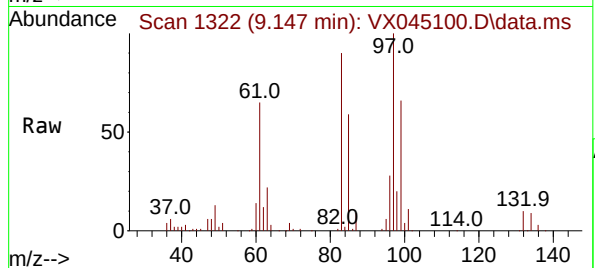
99 65.3 50.7 76.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#56

Ethyl methacrylate

Concen: 52.500 ug/l

RT: 9.110 min Scan# 1316

Delta R.T. -0.006 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

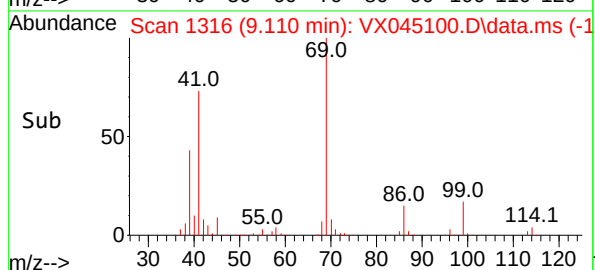
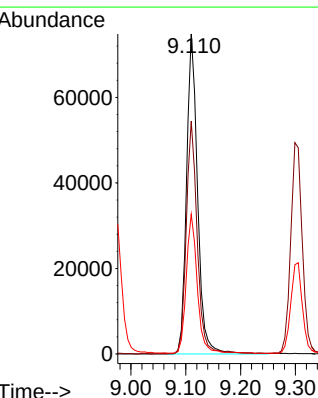
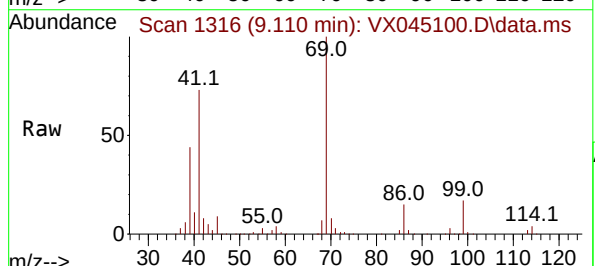
Tgt Ion: 69 Resp: 105447

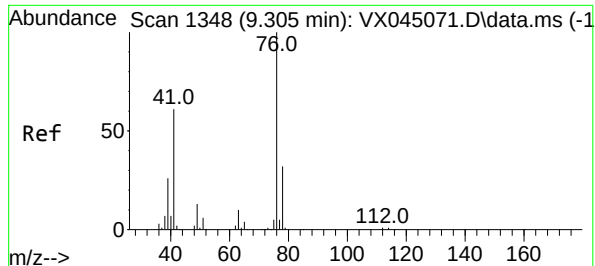
Ion Ratio Lower Upper

69 100

41 72.7 57.0 85.4

39 42.6 34.2 51.4





#57

1,3-Dichloropropane

Concen: 49.867 ug/l

RT: 9.305 min Scan# 114030

Delta R.T. -0.000 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 114030

Ion Ratio Lower Upper

76 100

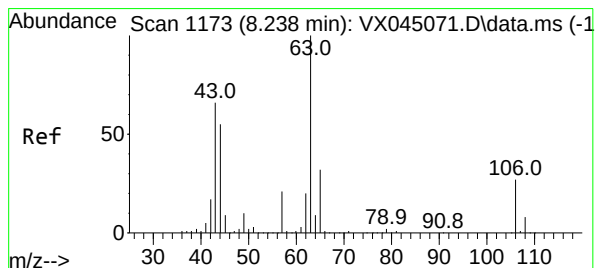
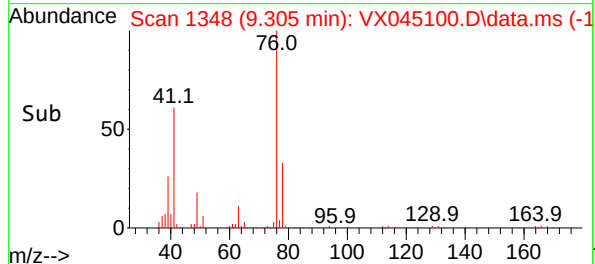
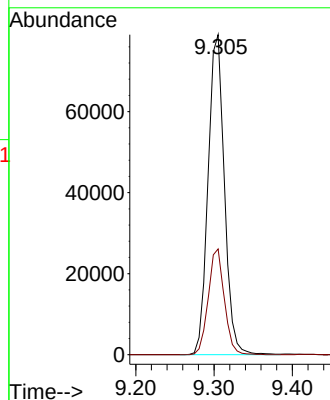
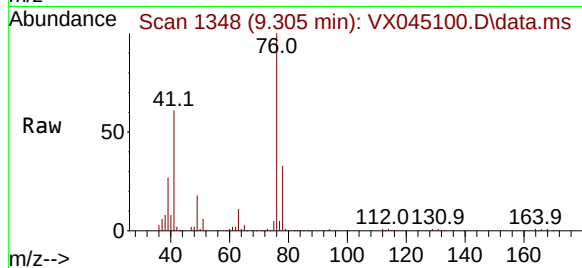
78 32.5 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#58

2-Chloroethyl Vinyl ether

Concen: 269.437 ug/l

RT: 8.232 min Scan# 1172

Delta R.T. -0.006 min

Lab File: VX045100.D

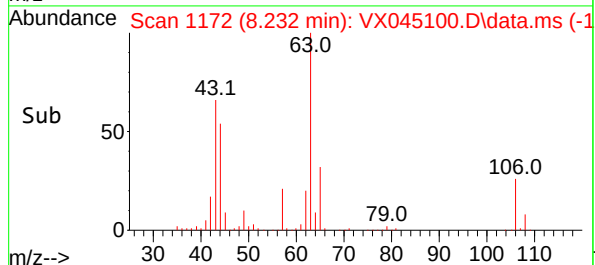
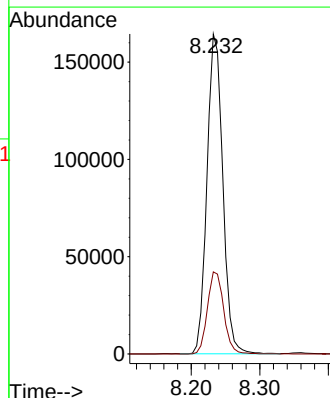
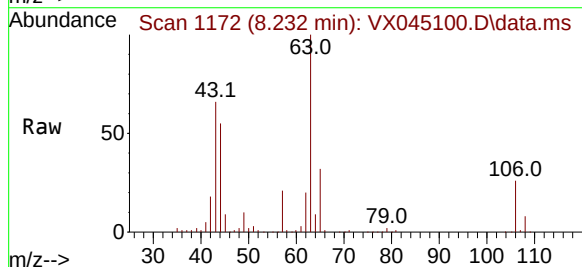
Acq: 03 Mar 2025 08:47

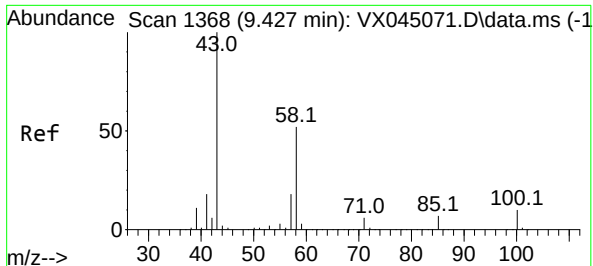
Tgt Ion: 63 Resp: 263987

Ion Ratio Lower Upper

63 100

106 26.4 21.5 32.3





#59

2-Hexanone

Concen: 247.153 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.000 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 39689

Ion Ratio Lower Upper

43 100

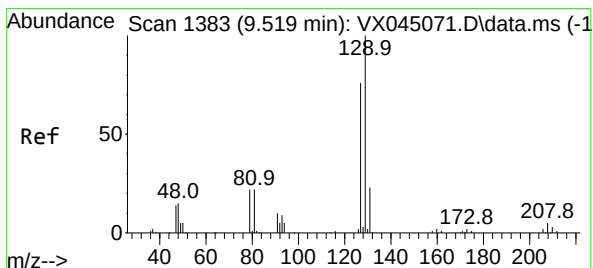
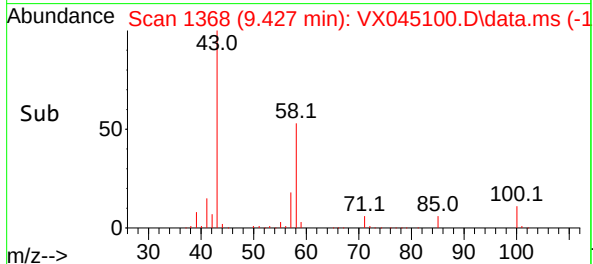
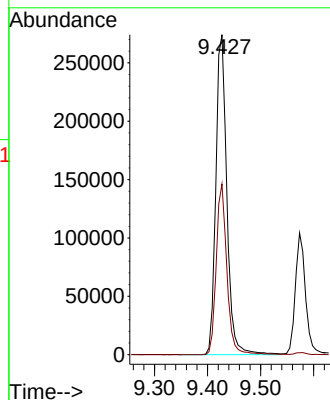
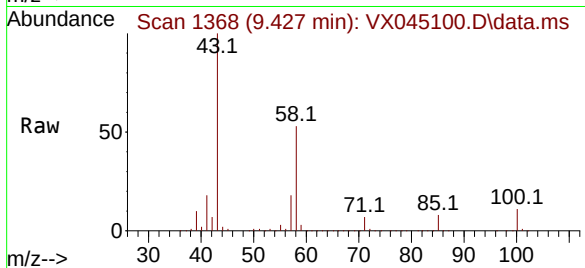
58 51.6 25.9 77.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#60

Dibromochloromethane

Concen: 54.518 ug/l

RT: 9.512 min Scan# 1382

Delta R.T. -0.006 min

Lab File: VX045100.D

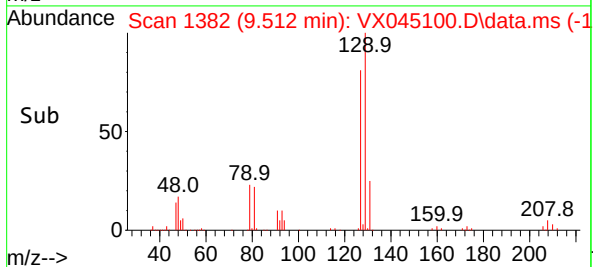
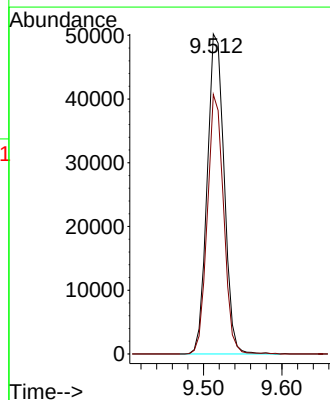
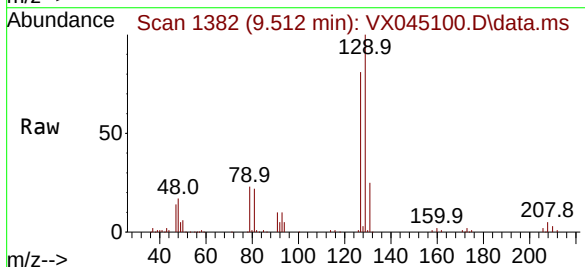
Acq: 03 Mar 2025 08:47

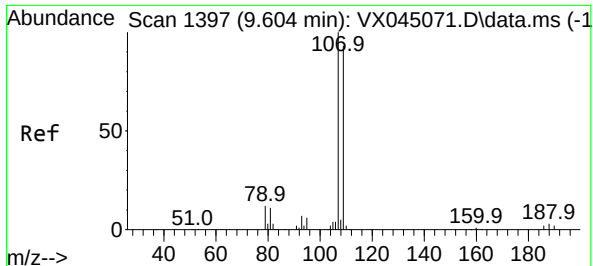
Tgt Ion:129 Resp: 75321

Ion Ratio Lower Upper

129 100

127 77.8 38.5 115.5





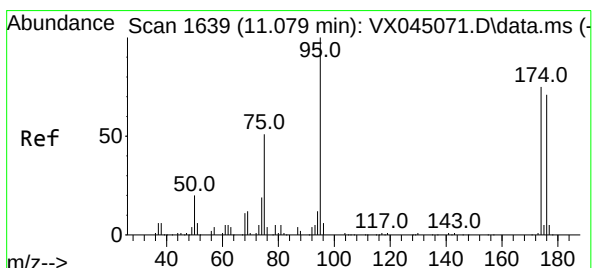
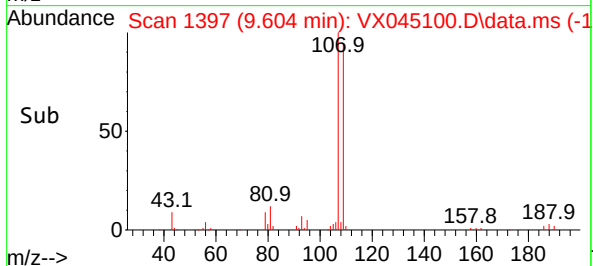
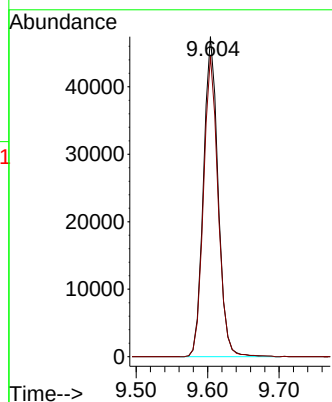
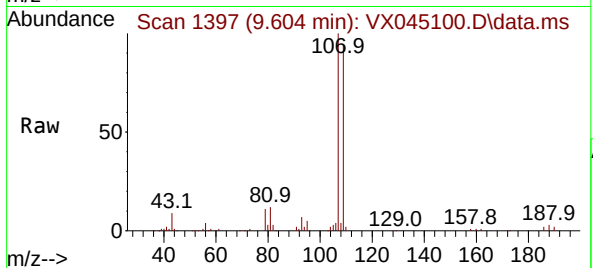
#61
1,2-Dibromoethane
Concen: 51.000 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 67274
Ion Ratio Lower Upper
107 100
109 93.8 76.1 114.1

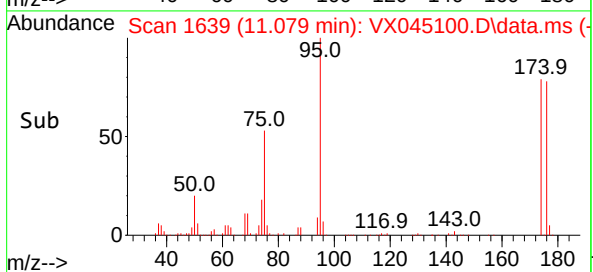
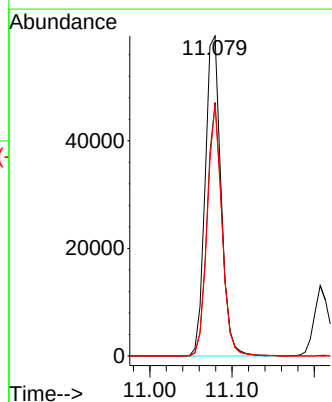
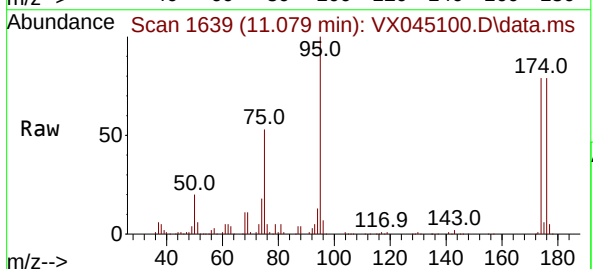
Manual Integrations
APPROVED

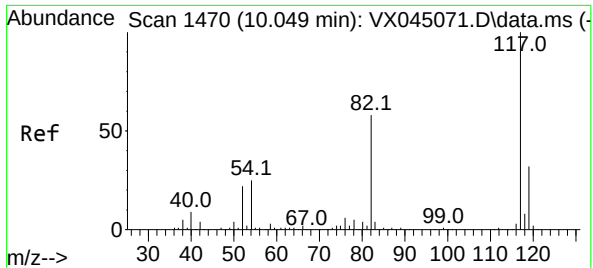
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#62
4-Bromofluorobenzene
Concen: 52.385 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

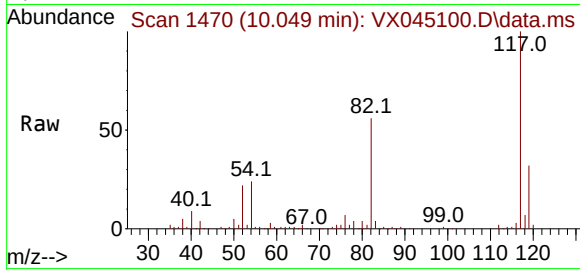
Tgt Ion: 95 Resp: 79497
Ion Ratio Lower Upper
95 100
174 74.5 0.0 148.2
176 72.8 0.0 141.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

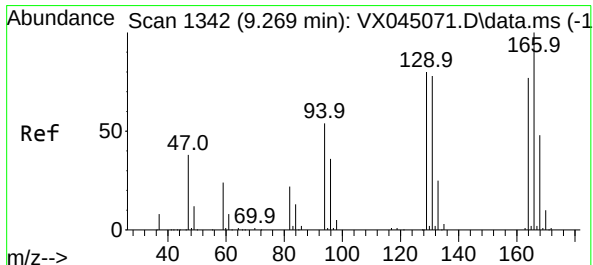
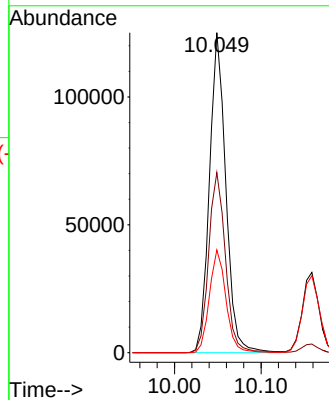
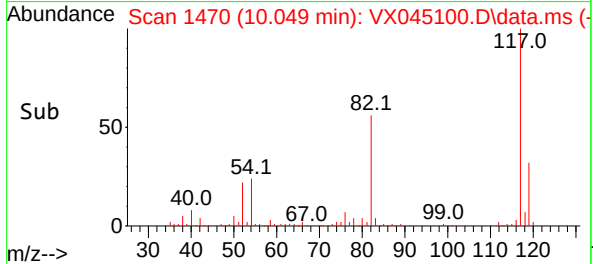
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:117 Resp: 164460
Ion Ratio Lower Upper
117 100
82 56.3 46.3 69.5
119 32.1 25.7 38.5

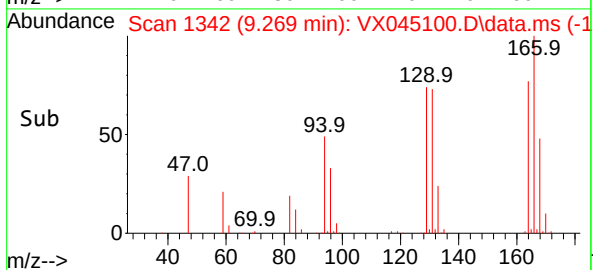
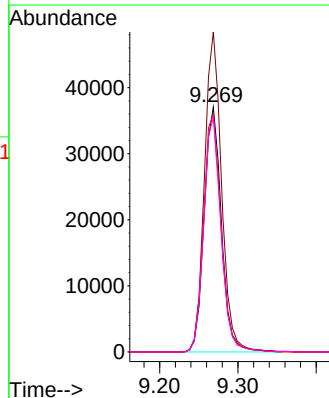
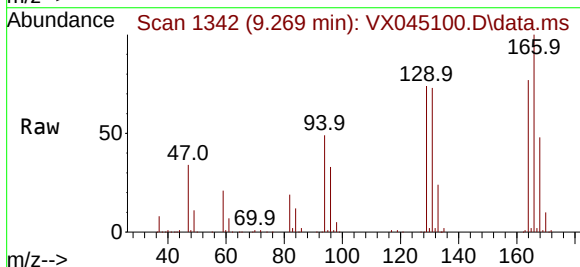
Manual Integrations
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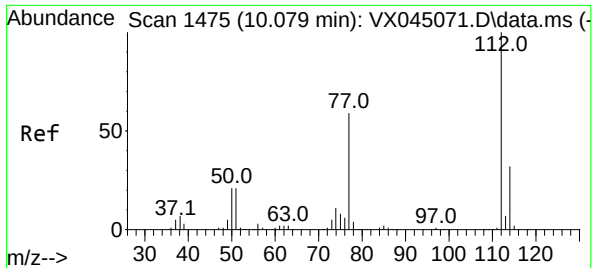
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#64
Tetrachloroethene
Concen: 53.797 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

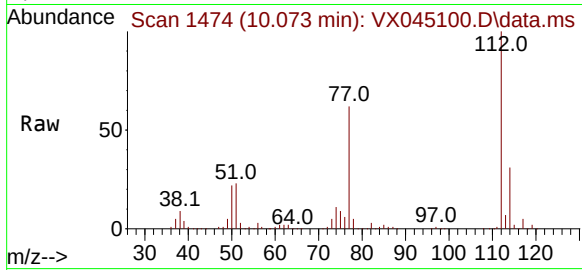
Tgt Ion:164 Resp: 56666
Ion Ratio Lower Upper
164 100
166 130.7 103.6 155.4
129 97.1 82.7 124.1
131 95.9 80.5 120.7





#65
Chlorobenzene
Concen: 52.832 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

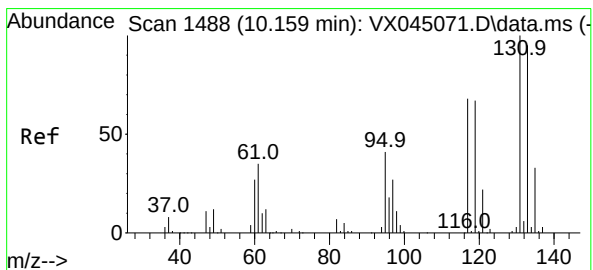
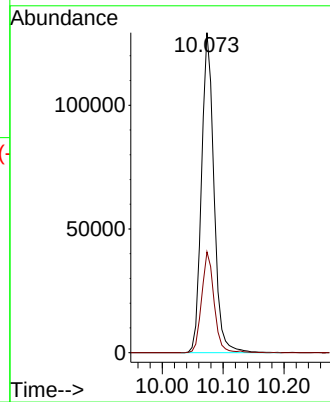
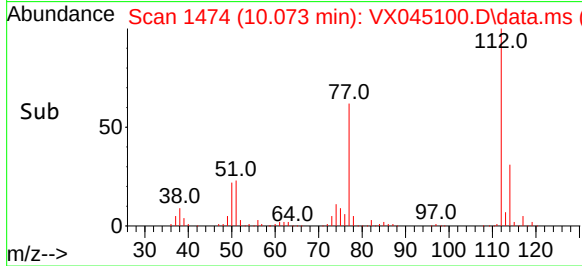
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



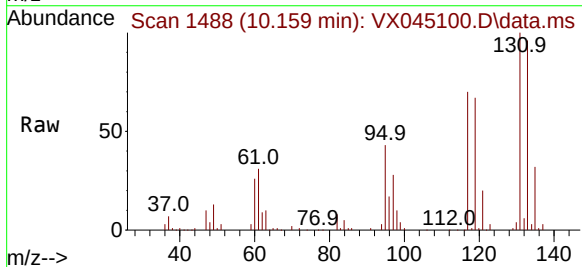
Tgt Ion:112 Resp: 183860
Ion Ratio Lower Upper
112 100
114 31.5 26.0 39.0

Manual Integrations
APPROVED

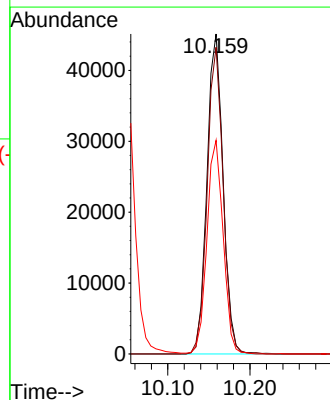
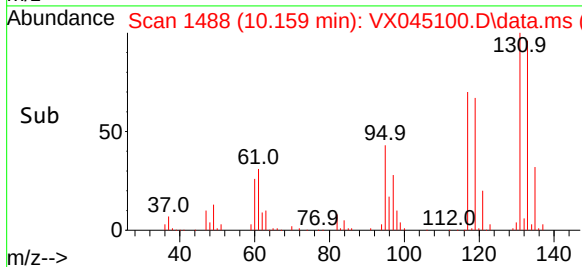
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025

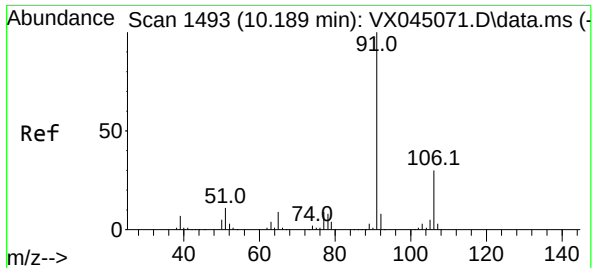


#66
1,1,1,2-Tetrachloroethane
Concen: 52.966 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47



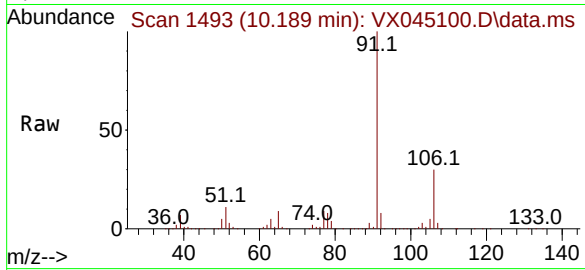
Tgt Ion:131 Resp: 61384
Ion Ratio Lower Upper
131 100
133 94.7 48.6 145.9
119 67.3 33.9 101.7





#67
Ethyl Benzene
Concen: 54.180 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

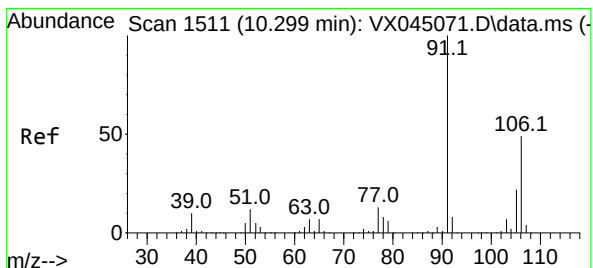
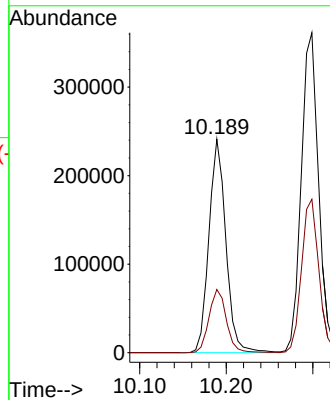
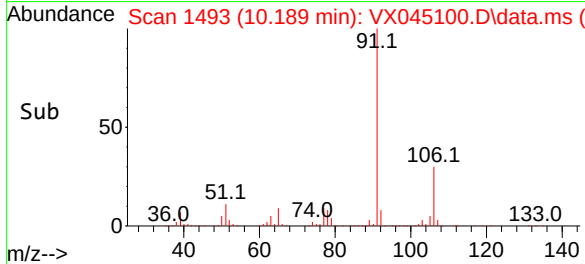
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 91 Resp: 328538
Ion Ratio Lower Upper
91 100
106 29.6 23.9 35.9

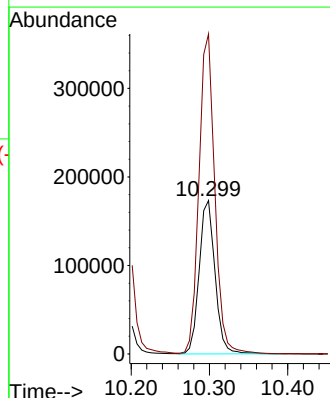
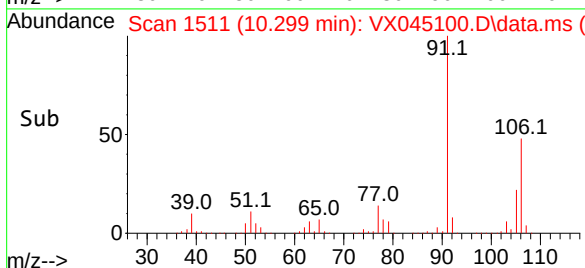
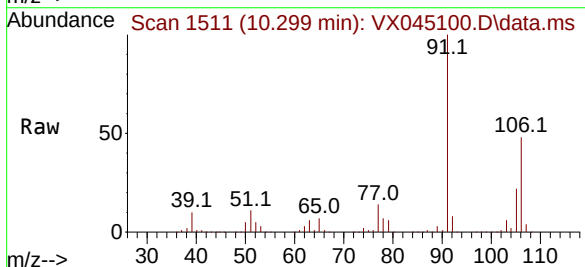
Manual Integrations
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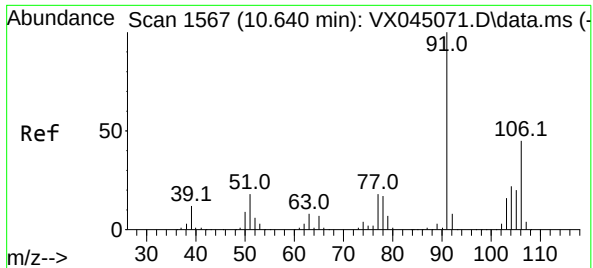
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#68
m/p-Xylenes
Concen: 109.819 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

Tgt Ion:106 Resp: 243777
Ion Ratio Lower Upper
106 100
91 208.2 165.4 248.0





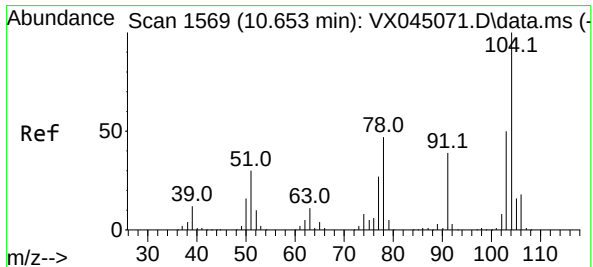
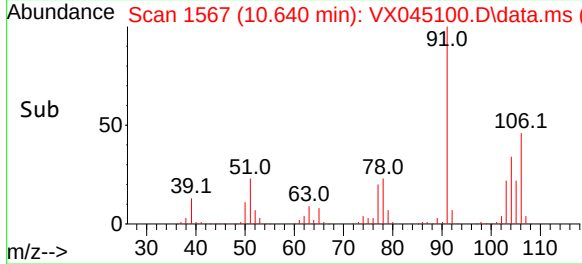
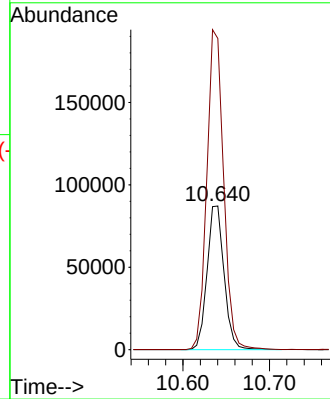
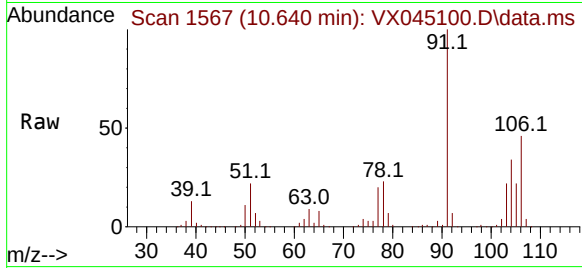
#69
o-Xylene
Concen: 53.126 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 118940
Ion Ratio Lower Upper
106 100
91 219.3 109.9 329.6

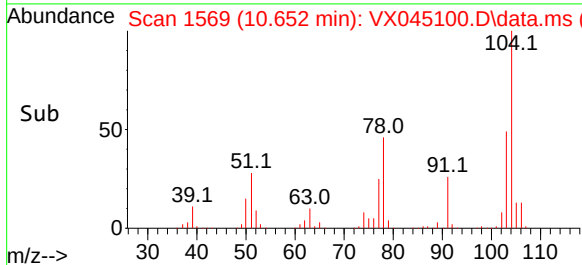
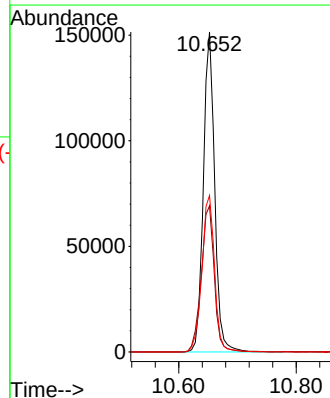
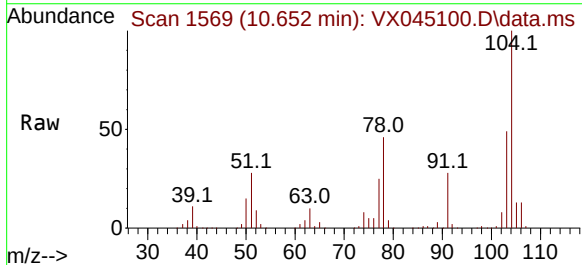
Manual Integrations
APPROVED

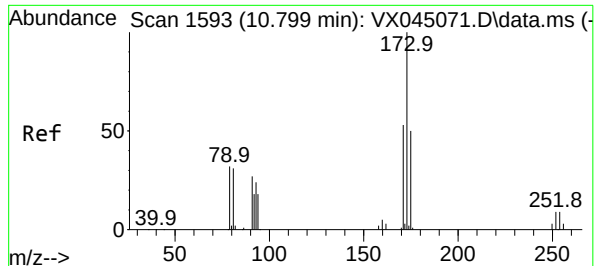
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#70
Styrene
Concen: 55.978 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

Tgt Ion:104 Resp: 202784
Ion Ratio Lower Upper
104 100
78 52.6 42.2 63.4
103 54.9 43.8 65.8





#71

Bromoform

Concen: 56.284 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 49189

Ion Ratio Lower Upper

173 100

175 47.9 24.6 73.6

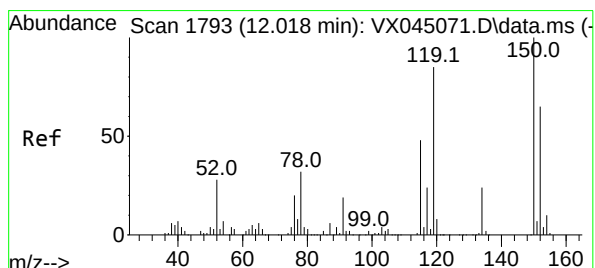
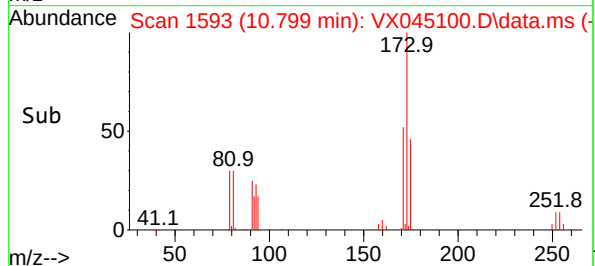
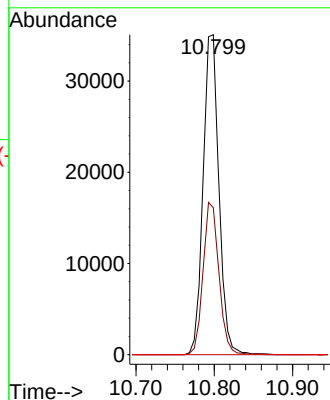
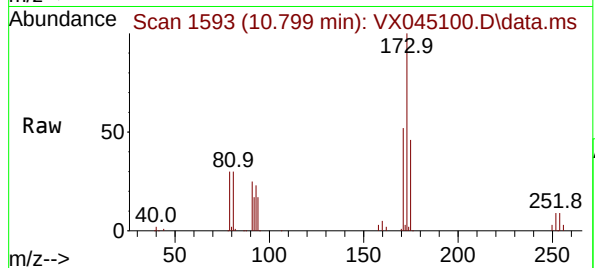
254 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

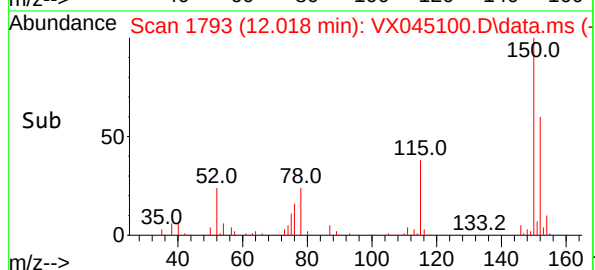
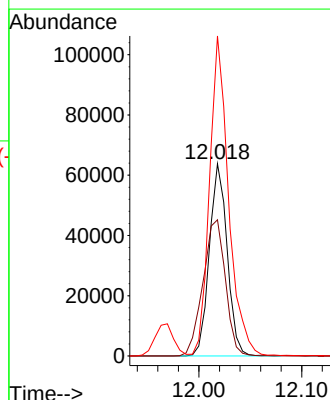
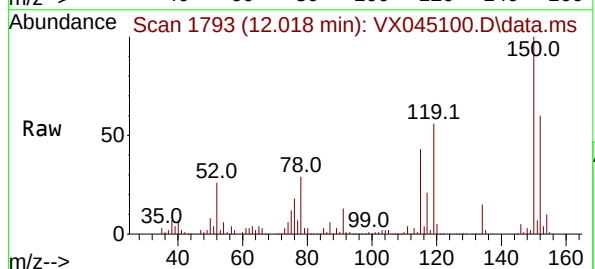
Tgt Ion:152 Resp: 76846

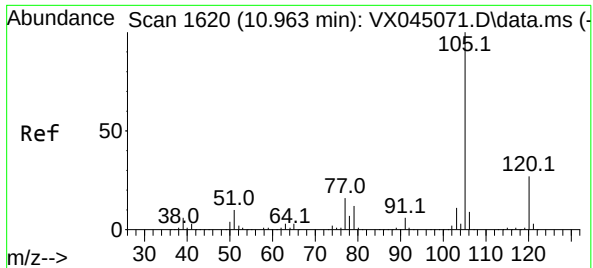
Ion Ratio Lower Upper

152 100

115 89.3 44.2 132.6

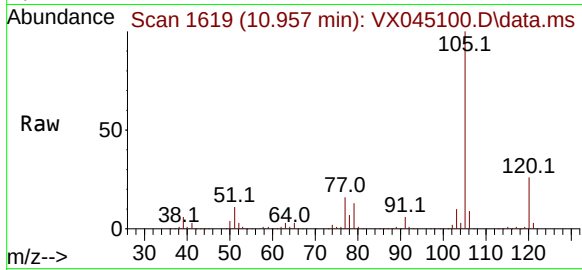
150 178.3 0.0 349.0





#73
Isopropylbenzene
Concen: 51.893 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

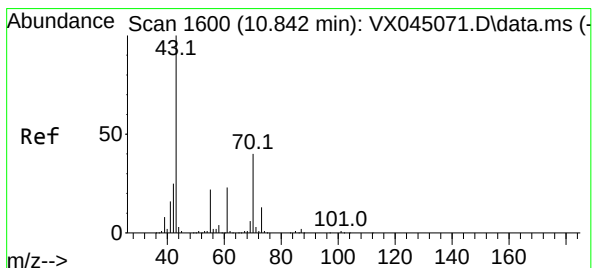
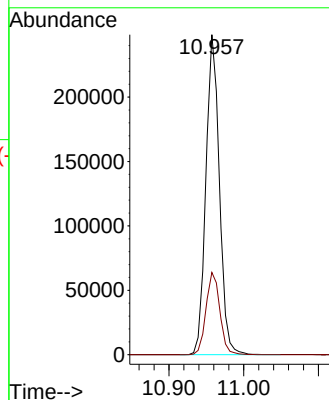
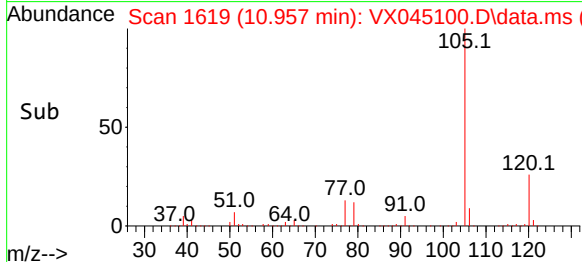
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:105 Resp: 31125
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.5

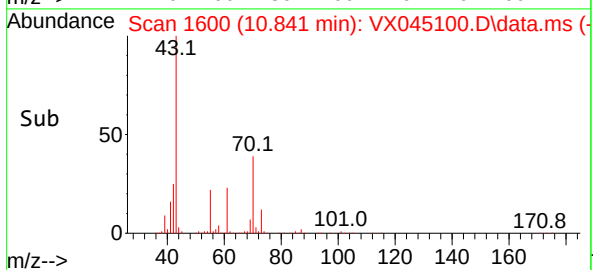
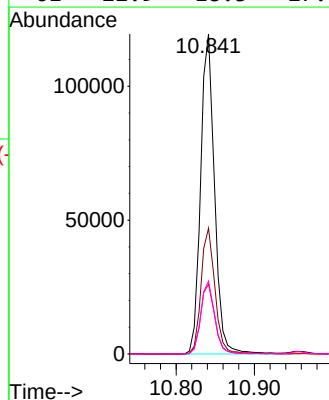
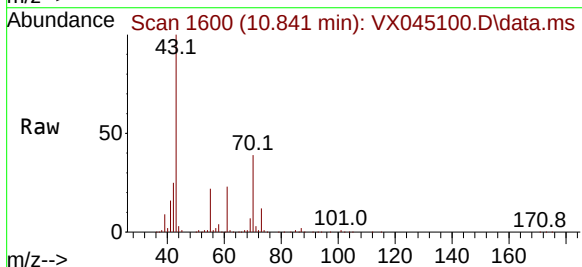
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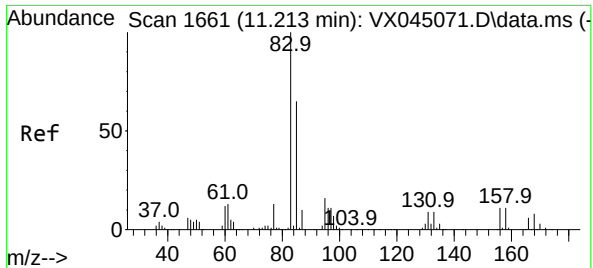
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#74
N-ethyl acetate
Concen: 52.500 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

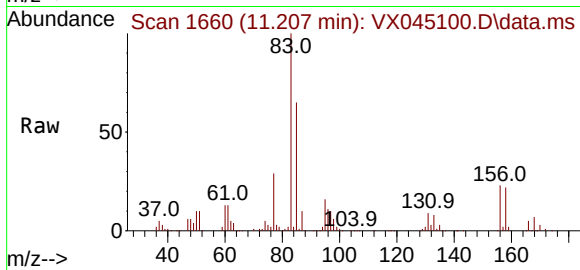
Tgt Ion: 43 Resp: 147759
Ion Ratio Lower Upper
43 100
70 39.3 31.8 47.6
55 22.5 18.3 27.5
61 22.9 18.3 27.5





#75
1,1,2,2-Tetrachloroethane
Concen: 46.816 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.006 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

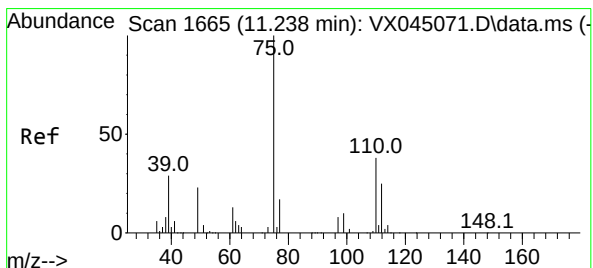
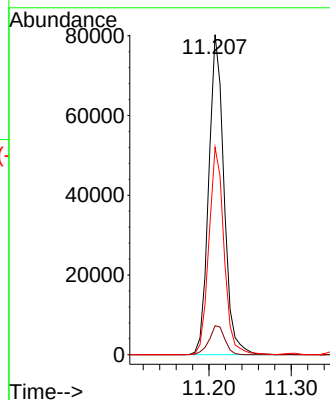
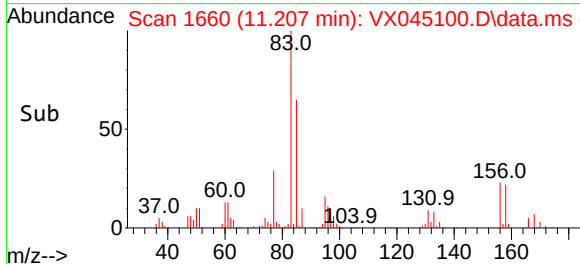
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 83 Resp: 103040
Ion Ratio Lower Upper
83 100
131 9.3 4.5 13.4
85 64.3 31.7 95.1

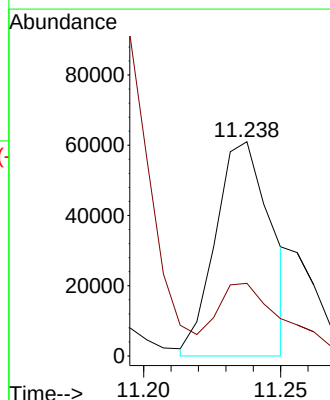
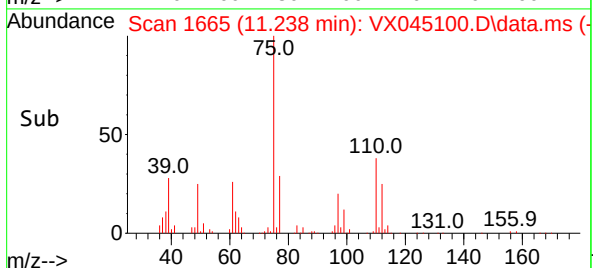
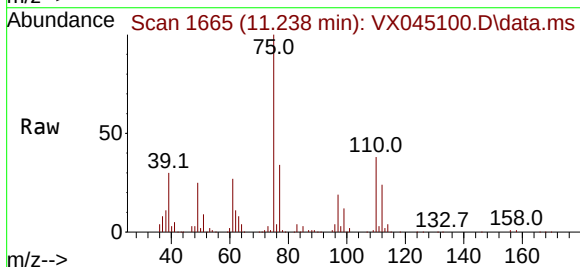
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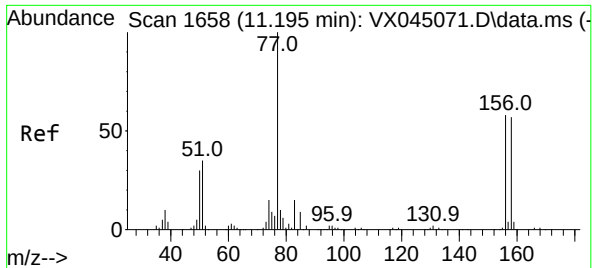
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#76
1,2,3-Trichloropropane
Concen: 47.917 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

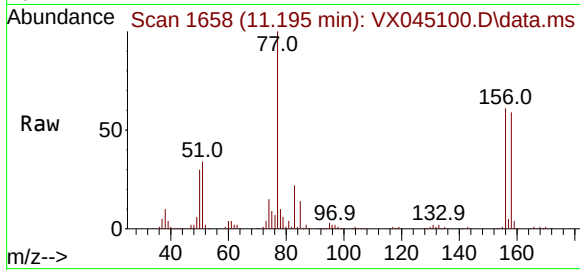
Tgt Ion: 75 Resp: 85705
Ion Ratio Lower Upper
75 100
77 41.6 20.7 62.1





#77
Bromobenzene
Concen: 51.884 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

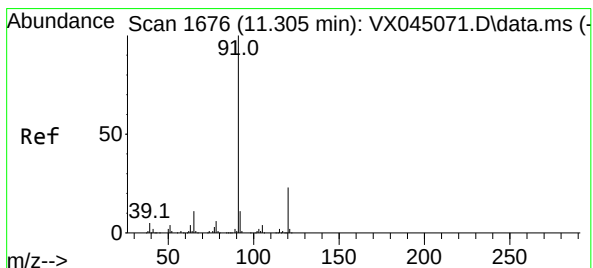
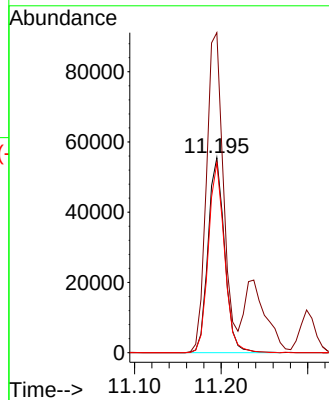
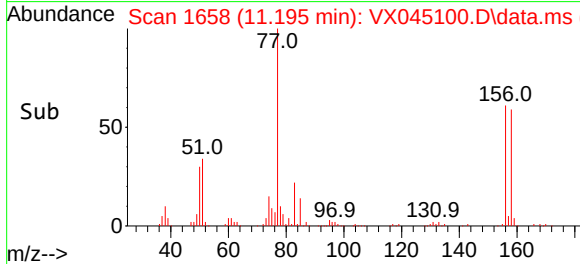
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:156 Resp: 73420
Ion Ratio Lower Upper
156 100
77 169.5 85.8 257.4
158 95.5 48.4 145.2

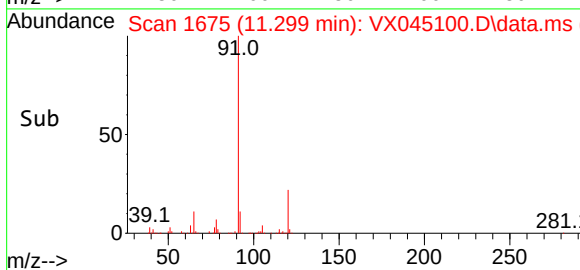
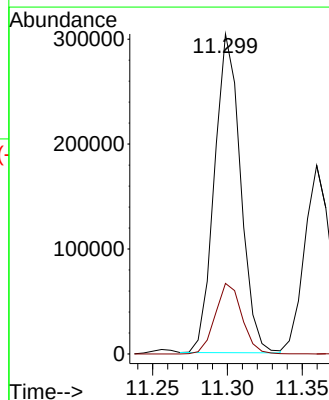
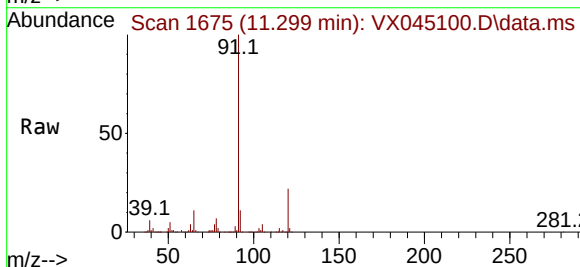
Manual Integrations
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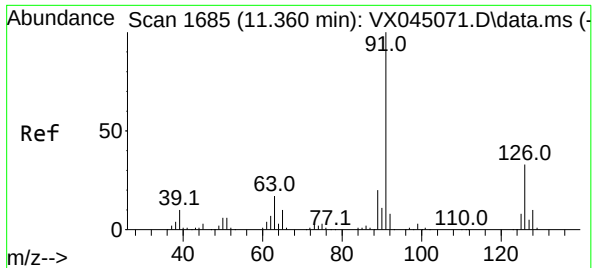
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#78
n-propylbenzene
Concen: 54.516 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

Tgt Ion: 91 Resp: 369377
Ion Ratio Lower Upper
91 100
120 22.6 11.2 33.6





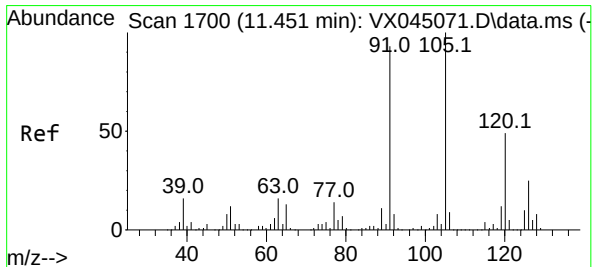
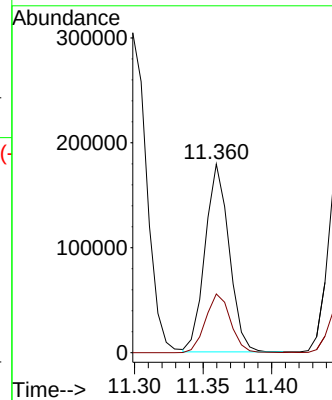
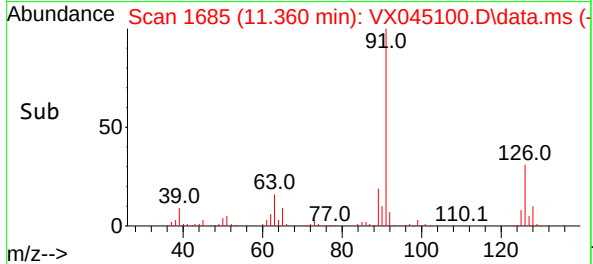
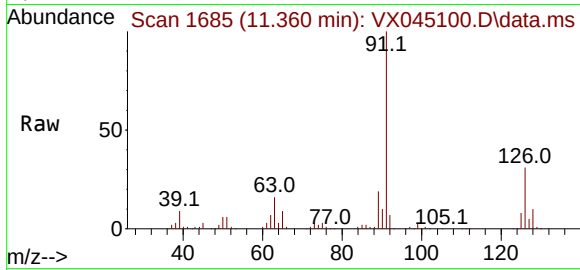
#79
2-Chlorotoluene
Concen: 50.611 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 21839
Ion Ratio Lower Upper
91 100
126 32.5 16.4 49.4

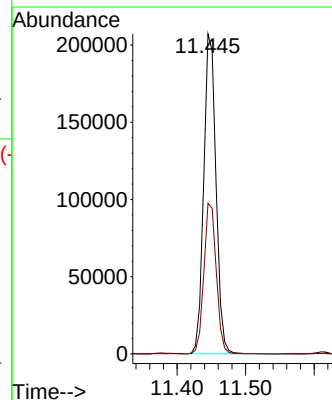
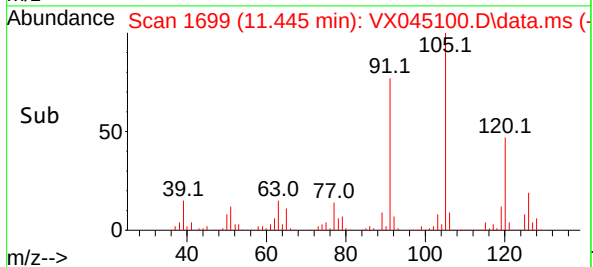
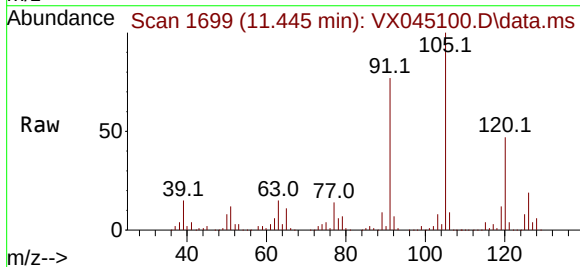
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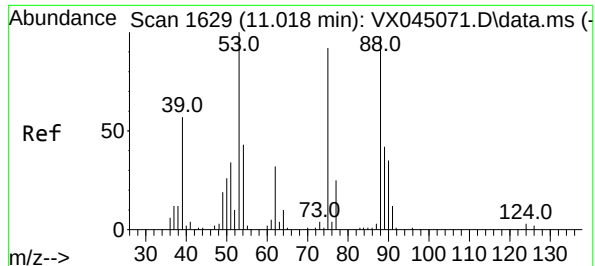
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#80
1,3,5-Trimethylbenzene
Concen: 53.251 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

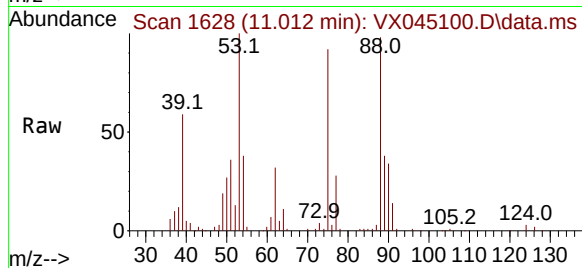
Tgt Ion:105 Resp: 258263
Ion Ratio Lower Upper
105 100
120 47.8 24.1 72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 56.912 ug/l
RT: 11.012 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

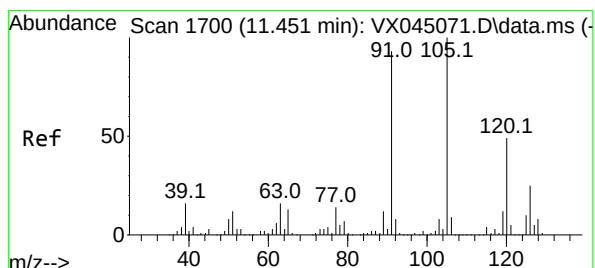
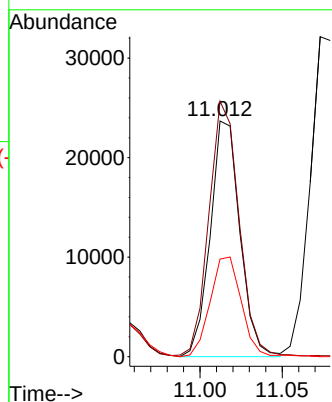
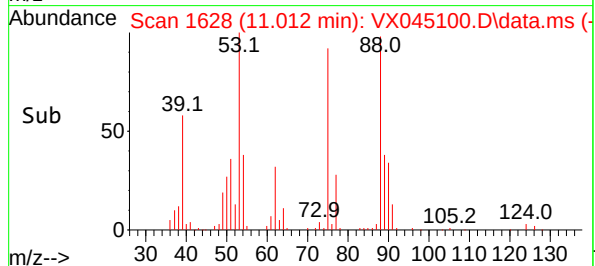
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 75 Resp: 29749
Ion Ratio Lower Upper
75 100
53 109.4 88.5 132.7
89 44.5 36.2 54.4

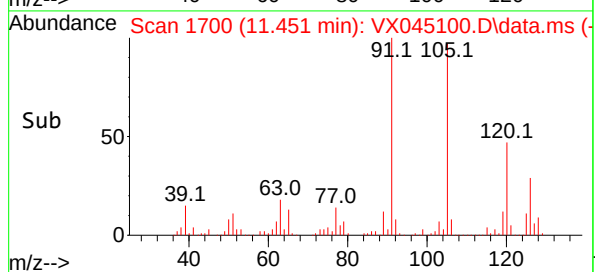
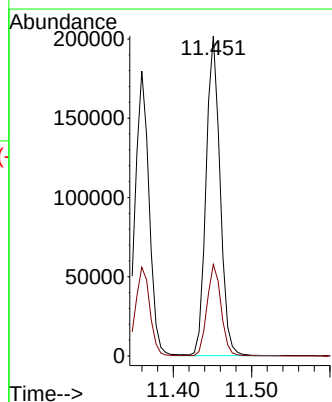
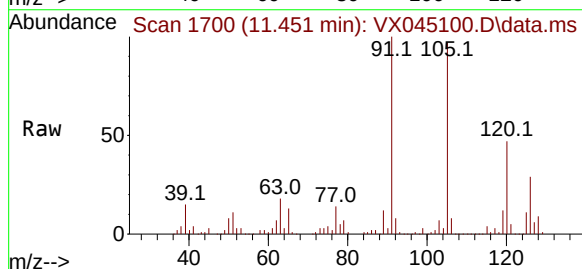
Manual Integrations
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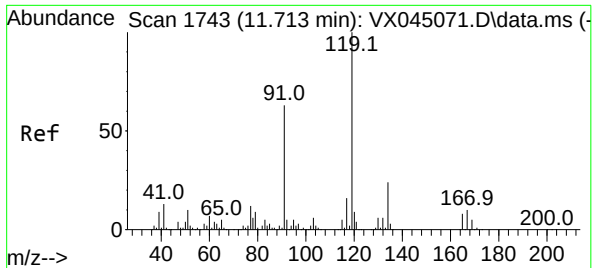
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#82
4-Chlorotoluene
Concen: 53.031 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

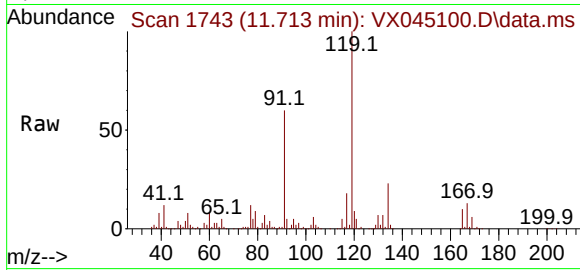
Tgt Ion: 91 Resp: 249399
Ion Ratio Lower Upper
91 100
126 28.6 14.1 42.4





#83
tert-Butylbenzene
Concen: 52.504 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

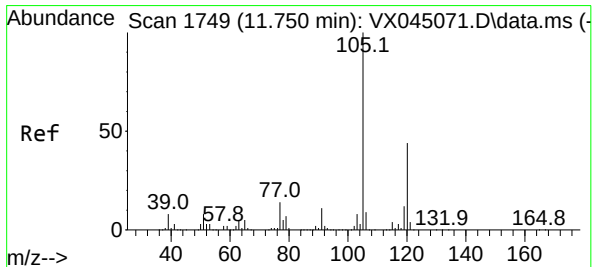
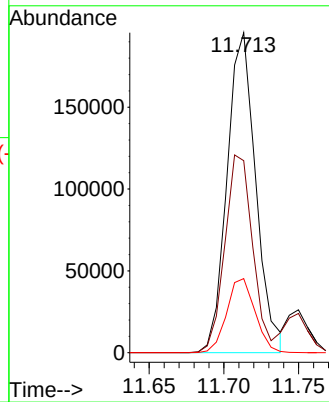
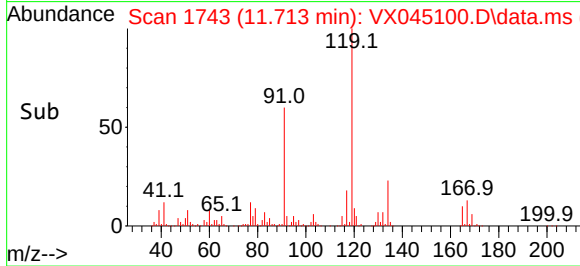
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:119 Resp: 261634
Ion Ratio Lower Upper
119 100
91 59.7 30.7 92.1
134 22.9 11.7 35.0

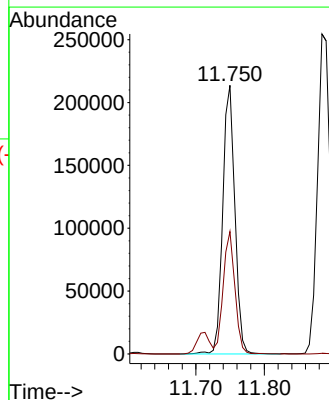
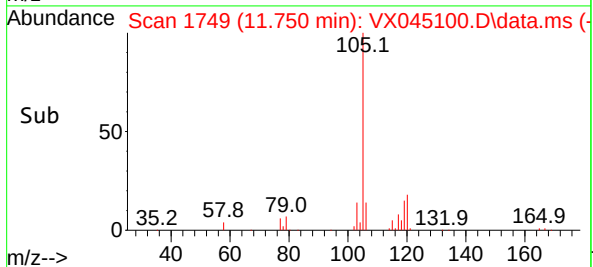
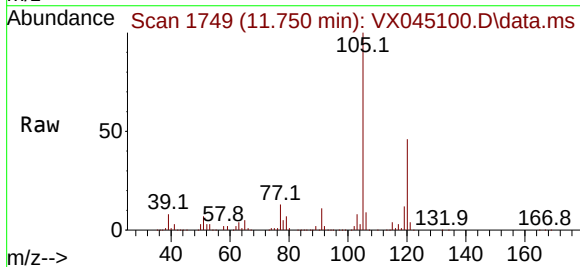
Manual Integrations
APPROVED

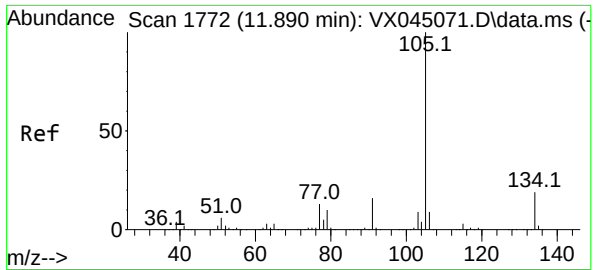
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#84
1,2,4-Trimethylbenzene
Concen: 53.666 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

Tgt Ion:105 Resp: 261885
Ion Ratio Lower Upper
105 100
120 43.9 22.1 66.1





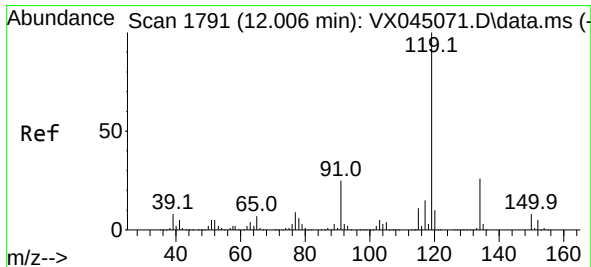
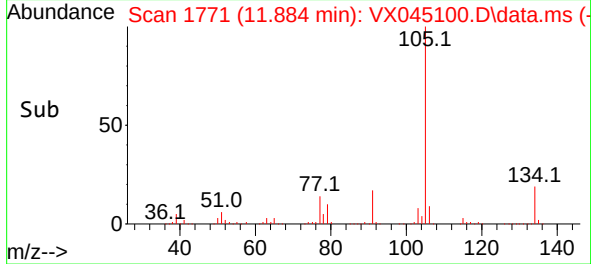
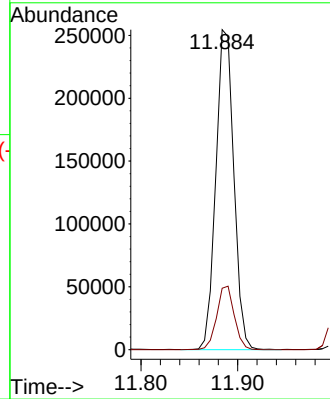
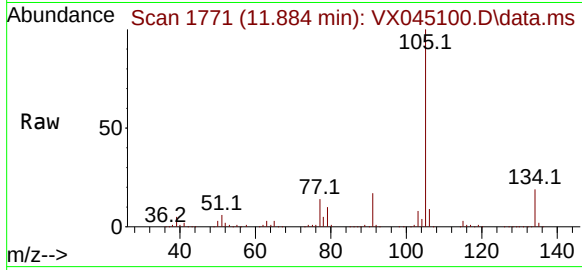
#85
sec-Butylbenzene
Concen: 55.000 ug/l
RT: 11.884 min Scan# 1771
Delta R.T. -0.006 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 32830
Ion Ratio Lower Upper
105 100
134 19.4 9.8 29.4

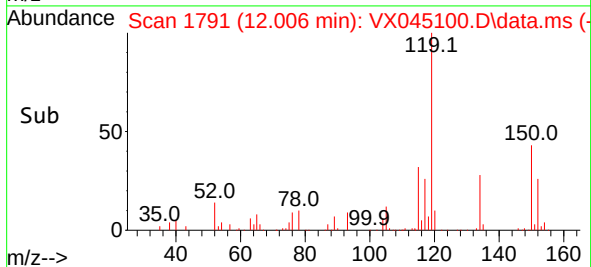
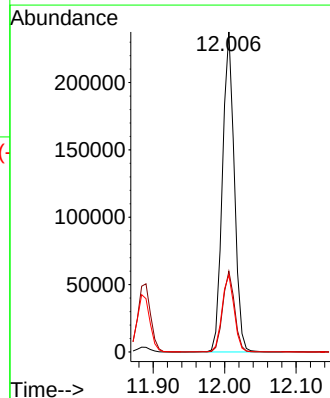
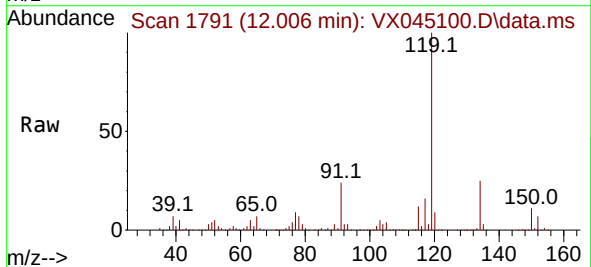
Manual Integrations
APPROVED

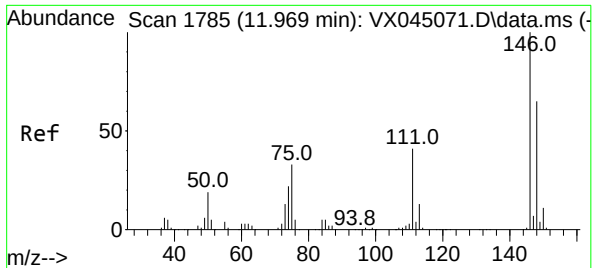
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#86
p-Isopropyltoluene
Concen: 56.930 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

Tgt Ion:119 Resp: 274625
Ion Ratio Lower Upper
119 100
134 25.2 12.9 38.6
91 24.4 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 53.439 ug/l

RT: 11.963 min Scan# 1784

Delta R.T. -0.006 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 134914

Ion Ratio Lower Upper

146 100

111 42.2 21.1 63.4

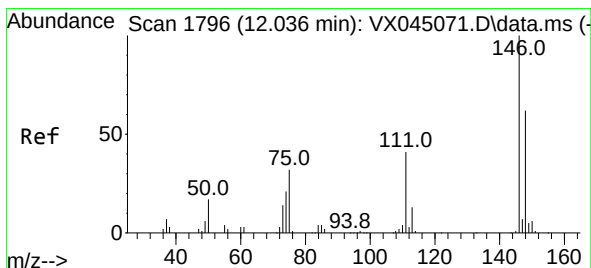
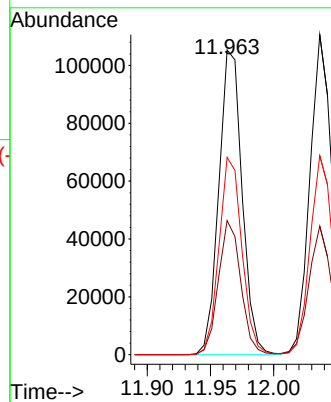
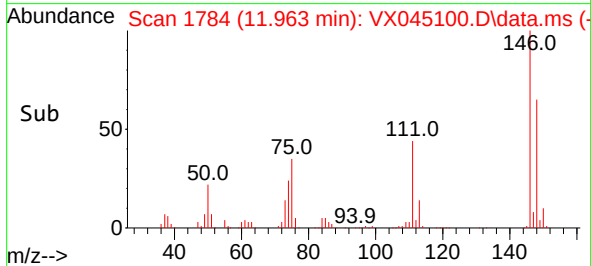
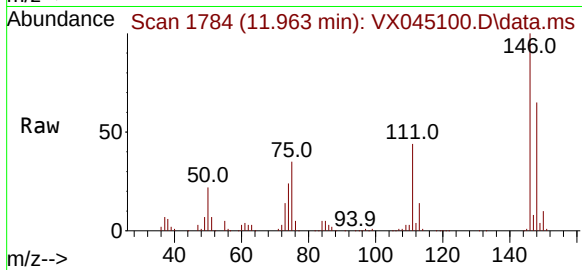
148 63.6 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#88

1,4-Dichlorobenzene

Concen: 52.885 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

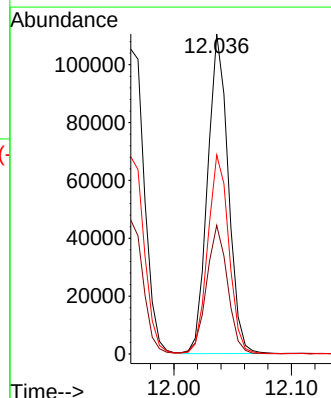
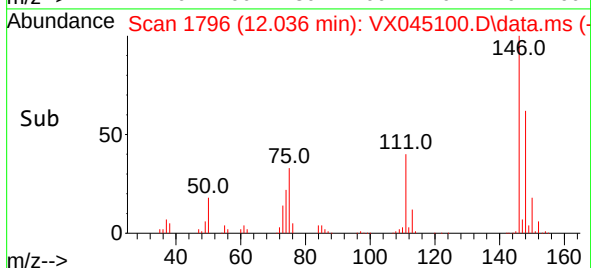
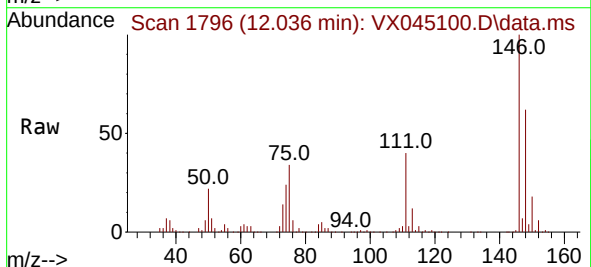
Tgt Ion:146 Resp: 135078

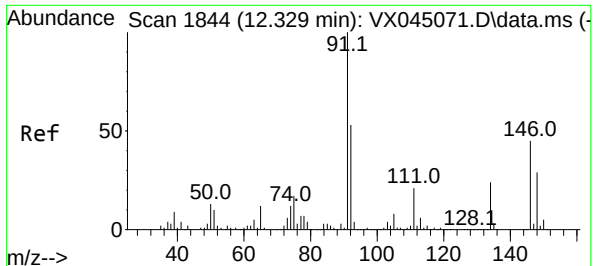
Ion Ratio Lower Upper

146 100

111 40.9 20.2 60.5

148 63.4 31.9 95.9





#89

n-Butylbenzene

Concen: 60.957 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 25326

Ion Ratio Lower Upper

91 100

92 53.4 26.7 80.0

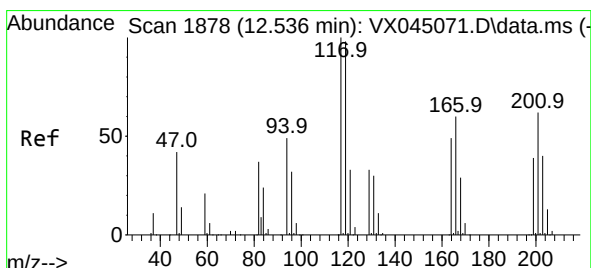
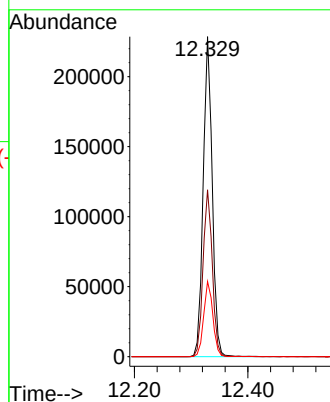
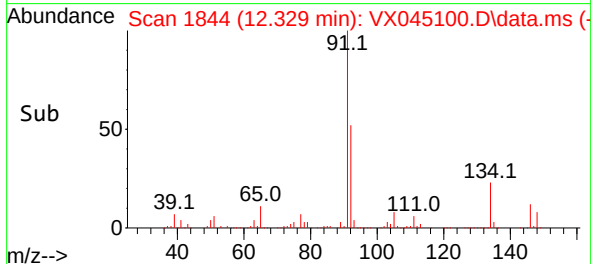
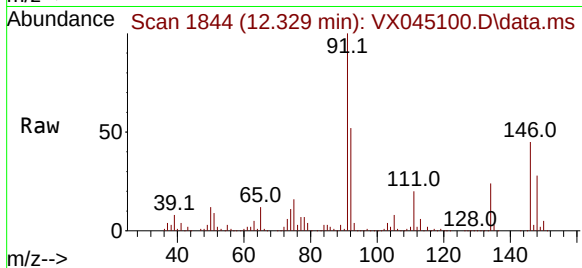
134 23.9 12.2 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#90

Hexachloroethane

Concen: 54.968 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX045100.D

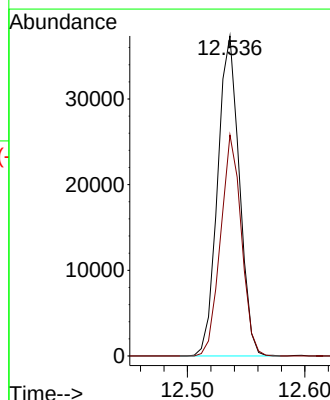
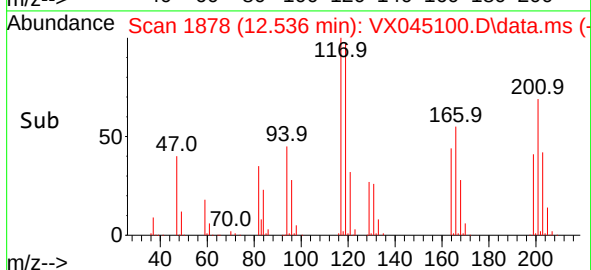
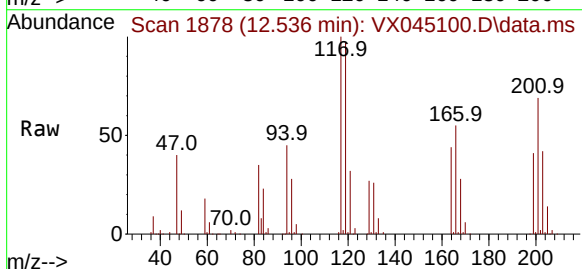
Acq: 03 Mar 2025 08:47

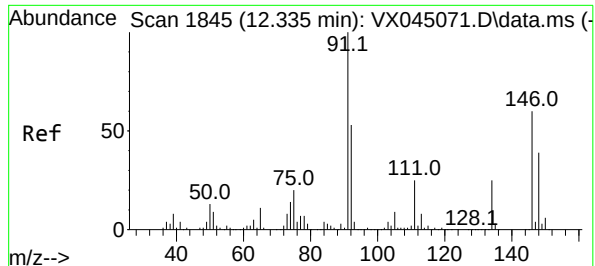
Tgt Ion:117 Resp: 47961

Ion Ratio Lower Upper

117 100

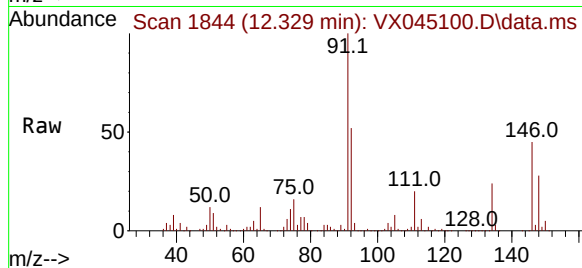
201 66.2 31.9 95.9





#91
1,2-Dichlorobenzene
Concen: 53.047 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

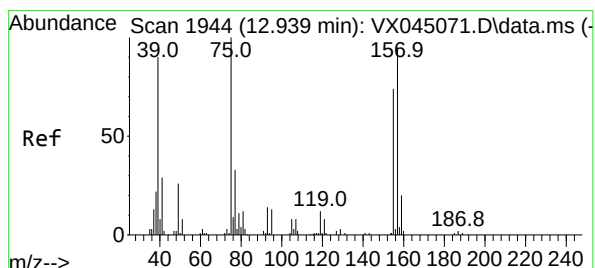
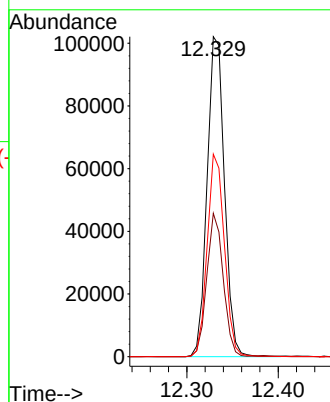
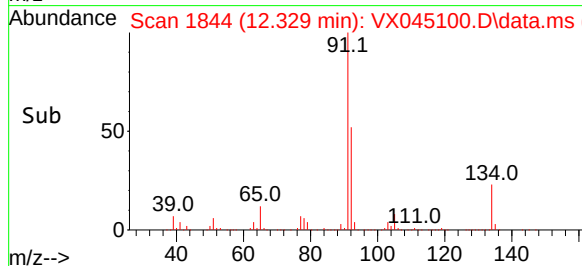
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:146 Resp: 13434
Ion Ratio Lower Upper
146 100
111 42.7 21.6 65.0
148 62.8 31.9 95.9

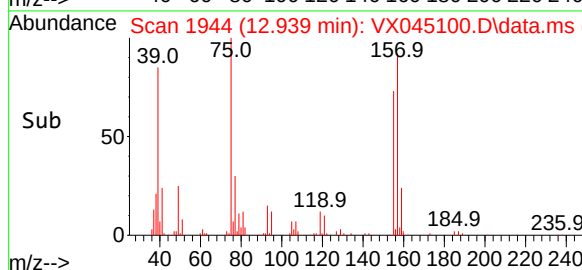
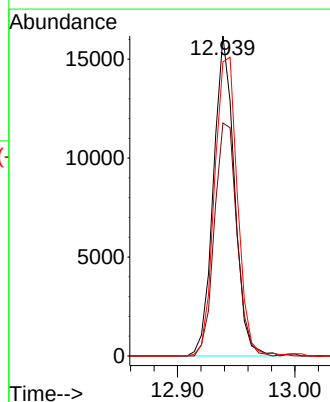
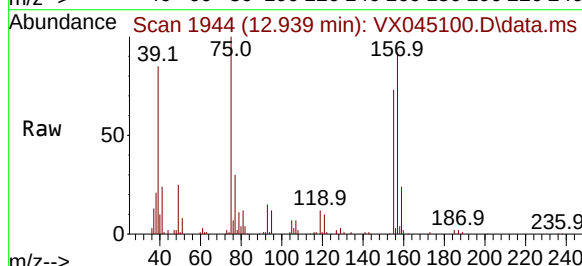
Manual Integrations
APPROVED

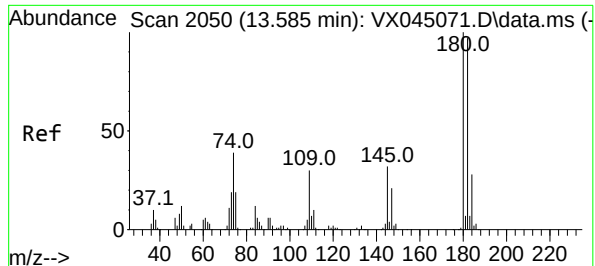
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 46.667 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

Tgt Ion: 75 Resp: 20011
Ion Ratio Lower Upper
75 100
155 78.4 39.6 118.7
157 102.3 51.1 153.4





#93

1,2,4-Trichlorobenzene

Concen: 58.082 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

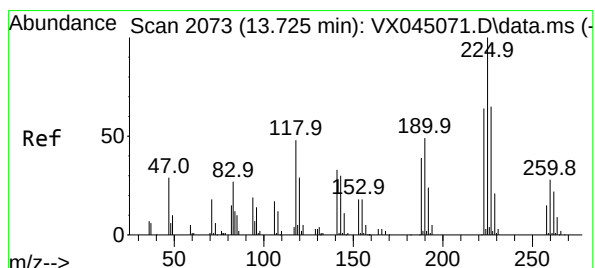
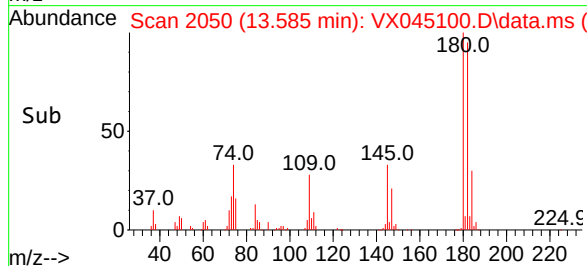
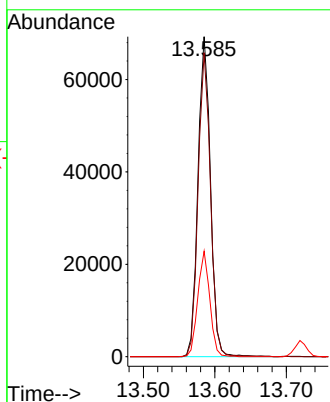
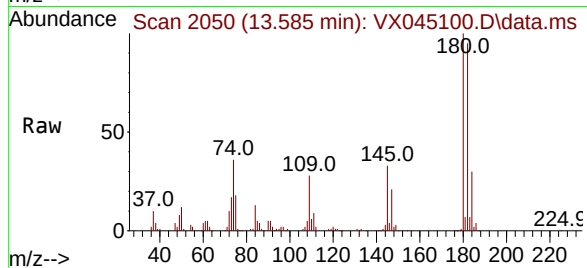
Tgt Ion:180	Resp:	83758
Ion Ratio	Lower	Upper
180	100	
182	94.1	47.3 141.9
145	31.8	16.3 48.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#94

Hexachlorobutadiene

Concen: 58.476 ug/l

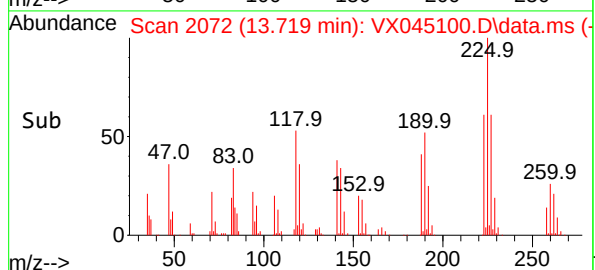
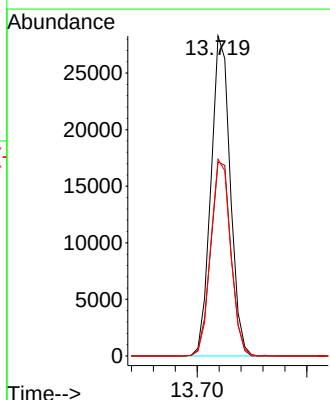
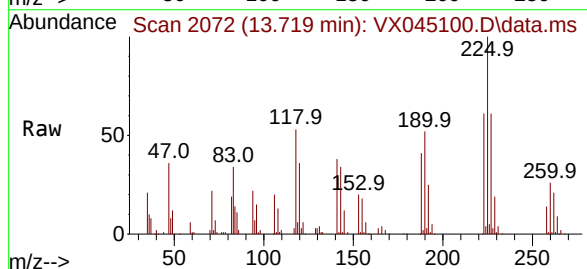
RT: 13.719 min Scan# 2072

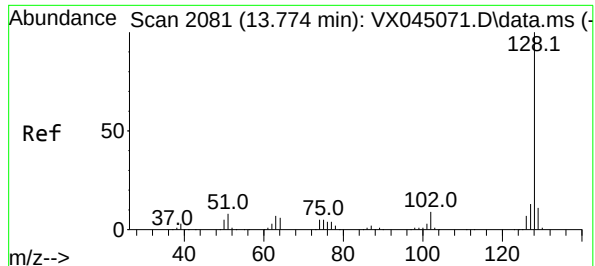
Delta R.T. -0.006 min

Lab File: VX045100.D

Acq: 03 Mar 2025 08:47

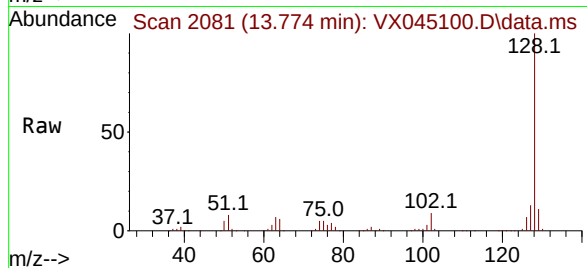
Tgt Ion:225	Resp:	34572
Ion Ratio	Lower	Upper
225	100	
223	63.5	31.9 95.7
227	63.2	31.4 94.0





#95
Naphthalene
Concen: 50.637 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

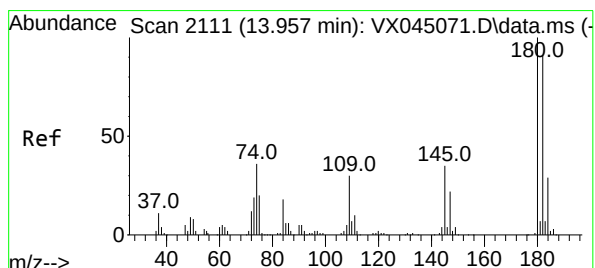
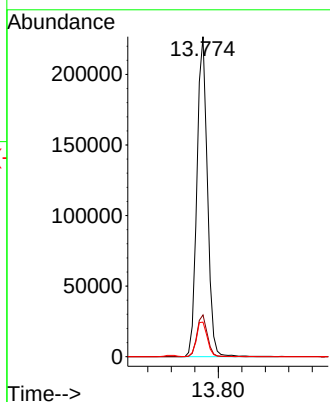
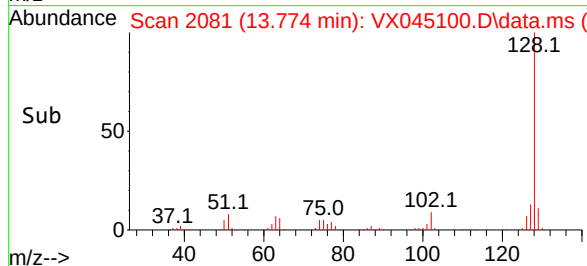
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:128 Resp: 280550
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 11.2 8.7 13.1

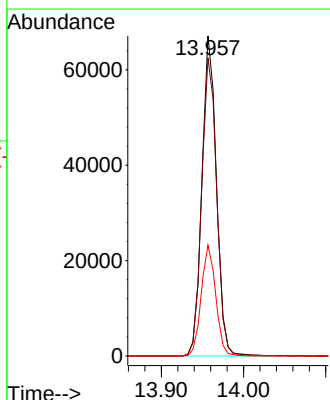
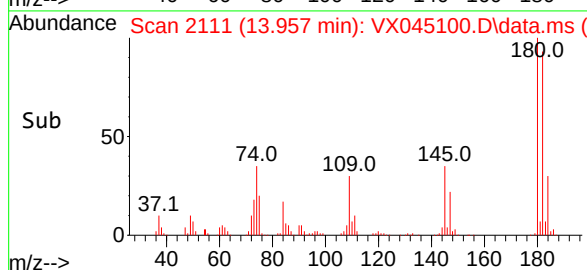
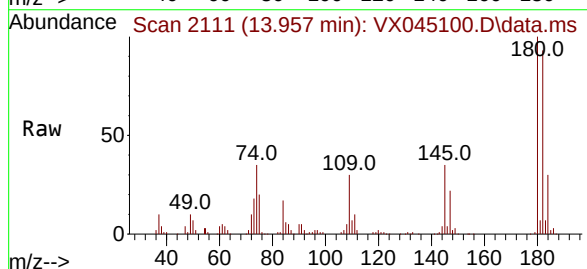
Manual Integrations
APPROVED

Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#96
1,2,3-Trichlorobenzene
Concen: 53.892 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045100.D
Acq: 03 Mar 2025 08:47

Tgt Ion:180 Resp: 81985
Ion Ratio Lower Upper
180 100
182 96.7 47.5 142.6
145 34.5 17.0 50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
 Data File : VX045100.D
 Acq On : 03 Mar 2025 08:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Mar 04 05:16:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 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	107	-0.01
2 T	Dichlorodifluoromethane	0.629	0.692	-10.0	118	0.00
3 P	Chloromethane	0.770	0.828	-7.5	118	-0.01
4 C	Vinyl Chloride	0.764	0.780	-2.1#	110	0.00
5 T	Bromomethane	0.300	0.313	-4.3	114	0.00
6 T	Chloroethane	0.352	0.442	-25.6#	127	0.01
7 T	Trichlorofluoromethane	1.011	1.085	-7.3	110	0.01
8 T	Diethyl Ether	0.396	0.399	-0.8	110	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.581	0.652	-12.2	117	0.01
10 T	Methyl Iodide	0.726	0.772	-6.3	107	0.00
11 T	Tert butyl alcohol	0.151	0.115	23.8	92	-0.02
12 CM	1,1-Dichloroethene	0.614	0.626	-2.0#	107	0.00
13 T	Acrolein	0.174	0.151	13.2	93	0.00
14 T	Allyl chloride	1.094	1.154	-5.5	111	0.00
15 T	Acrylonitrile	0.404	0.358	11.4	93	0.00
16 T	Acetone	0.369	0.368	0.3	112	-0.01
17 T	Carbon Disulfide	1.636	1.759	-7.5	113	0.00
18 T	Methyl Acetate	0.888	0.757	14.8	93	0.00
19 T	Methyl tert-butyl Ether	2.061	2.017	2.1	103	-0.01
20 T	Methylene Chloride	0.731	0.695	4.9	106	0.00
21 T	trans-1,2-Dichloroethene	0.607	0.634	-4.4	107	0.00
22 T	Diisopropyl ether	2.224	2.249	-1.1	105	-0.01
23 T	Vinyl Acetate	1.856	1.915	-3.2	104	-0.01
24 P	1,1-Dichloroethane	1.247	1.222	2.0	105	0.00
25 T	2-Butanone	0.555	0.508	8.5	94	-0.02
26 T	2,2-Dichloropropane	0.585	0.950	-62.4#	170#	0.00
27 T	cis-1,2-Dichloroethene	0.749	0.746	0.4	105	0.00
28 T	Bromochloromethane	0.594	0.606	-2.0	107	-0.01
29 T	Tetrahydrofuran	0.373	0.307	17.7	88	-0.01
30 C	Chloroform	1.239	1.207	2.6#	104	0.00
31 T	Cyclohexane	1.082	1.135	-4.9	110	0.00
32 T	1,1,1-Trichloroethane	1.000	1.014	-1.4	106	0.00
33 S	1,2-Dichloroethane-d4	0.795	0.712	10.4	100	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	101	0.00
35 S	Dibromofluoromethane	0.334	0.322	3.6	99	-0.01
36 T	1,1-Dichloropropene	0.459	0.494	-7.6	107	0.00
37 T	Ethyl Acetate	0.591	0.537	9.1	90	-0.02
38 T	Carbon Tetrachloride	0.465	0.519	-11.6	112	0.00
39 T	Methylcyclohexane	0.549	0.659	-20.0	114	0.00
40 TM	Benzene	1.448	1.503	-3.8	102	0.00
41 T	Methacrylonitrile	0.319	0.306	4.1	91	-0.02
42 TM	1,2-Dichloroethane	0.521	0.520	0.2	100	0.00
43 T	Isopropyl Acetate	0.874	0.877	-0.3	96	-0.01
44 TM	Trichloroethene	0.340	0.359	-5.6	107	0.00
45 C	1,2-Dichloropropane	0.372	0.377	-1.3#	103	0.00
46 T	Dibromomethane	0.263	0.273	-3.8	103	0.00
47 T	Bromodichloromethane	0.516	0.546	-5.8	106	0.00
48 T	Methyl methacrylate	0.438	0.432	1.4	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
 Data File : VX045100.D
 Acq On : 03 Mar 2025 08:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Mar 04 05:16:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 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	0.009	0.009	0.0	96	0.00
50 S	Toluene-d8	1.212	1.210	0.2	101	0.00
51 T	4-Methyl-2-Pentanone	0.587	0.558	4.9	93	0.00
52 CM	Toluene	0.849	0.908	-6.9#	103	0.00
53 T	t-1,3-Dichloropropene	0.431	0.525	-21.8	114	0.00
54 T	cis-1,3-Dichloropropene	0.503	0.595	-18.3	113	0.00
55 T	1,1,2-Trichloroethane	0.350	0.344	1.7	98	0.00
56 T	Ethyl methacrylate	0.532	0.558	-4.9	99	0.00
57 T	1,3-Dichloropropane	0.605	0.604	0.2	99	0.00
58 T	2-Chloroethyl Vinyl ether	0.259	0.279	-7.7	100	0.00
59 T	2-Hexanone	0.425	0.420	1.2	95	0.00
60 T	Dibromochloromethane	0.366	0.399	-9.0	105	0.00
61 T	1,2-Dibromoethane	0.349	0.356	-2.0	101	0.00
62 S	4-Bromofluorobenzene	0.402	0.421	-4.7	106	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
64 T	Tetrachloroethene	0.320	0.345	-7.8	108	0.00
65 PM	Chlorobenzene	1.058	1.118	-5.7	104	0.00
66 T	1,1,1,2-Tetrachloroethane	0.352	0.373	-6.0	106	0.00
67 C	Ethyl Benzene	1.843	1.998	-8.4#	104	0.00
68 T	m/p-Xylenes	0.675	0.741	-9.8	104	0.00
69 T	o-Xylene	0.681	0.723	-6.2	104	0.00
70 T	Styrene	1.101	1.233	-12.0	106	0.00
71 P	Bromoform	0.266	0.299	-12.4	110	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00
73 T	Isopropylbenzene	3.903	4.050	-3.8	106	0.00
74 T	N-amyl acetate	1.831	1.923	-5.0	105	0.00
75 P	1,1,2,2-Tetrachloroethane	1.432	1.341	6.4	102	0.00
76 T	1,2,3-Trichloropropane	1.164	1.115	4.2	105	0.00
77 T	Bromobenzene	0.921	0.955	-3.7	110	0.00
78 T	n-propylbenzene	4.409	4.807	-9.0	108	0.00
79 T	2-Chlorotoluene	2.808	2.842	-1.2	107	0.00
80 T	1,3,5-Trimethylbenzene	3.156	3.361	-6.5	107	0.00
81 T	trans-1,4-Dichloro-2-butene	0.340	0.387	-13.8	123	0.00
82 T	4-Chlorotoluene	3.060	3.245	-6.0	108	0.00
83 T	tert-Butylbenzene	3.242	3.405	-5.0	109	0.00
84 T	1,2,4-Trimethylbenzene	3.175	3.408	-7.3	109	0.00
85 T	sec-Butylbenzene	3.884	4.272	-10.0	109	0.00
86 T	p-Isopropyltoluene	3.139	3.574	-13.9	113	0.00
87 T	1,3-Dichlorobenzene	1.643	1.756	-6.9	113	0.00
88 T	1,4-Dichlorobenzene	1.662	1.758	-5.8	112	0.00
89 T	n-Butylbenzene	2.703	3.296	-21.9	118	0.00
90 T	Hexachloroethane	0.568	0.624	-9.9	111	0.00
91 T	1,2-Dichlorobenzene	1.648	1.748	-6.1	113	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.279	0.260	6.8	97	0.00
93 T	1,2,4-Trichlorobenzene	0.938	1.090	-16.2	116	0.00
94 T	Hexachlorobutadiene	0.385	0.450	-16.9	124	0.00
95 T	Naphthalene	3.605	3.651	-1.3	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
Data File : VX045100.D
Acq On : 03 Mar 2025 08:47
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 04 05:16:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.990	1.067	-7.8	109	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
 Data File : VX045100.D
 Acq On : 03 Mar 2025 08:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Mar 04 05:16:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 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	107	-0.01
2 T	Dichlorodifluoromethane	50.000	54.940	-9.9	118	0.00
3 P	Chloromethane	50.000	53.736	-7.5	118	-0.01
4 C	Vinyl Chloride	50.000	51.063	-2.1#	110	0.00
5 T	Bromomethane	50.000	52.037	-4.1	114	0.00
6 T	Chloroethane	50.000	62.760	-25.5#	127	0.01
7 T	Trichlorofluoromethane	50.000	53.624	-7.2	110	0.01
8 T	Diethyl Ether	50.000	50.463	-0.9	110	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	56.131	-12.3	117	0.01
10 T	Methyl Iodide	50.000	53.177	-6.4	107	0.00
11 T	Tert butyl alcohol	250.000	190.512	23.8	92	-0.02
12 CM	1,1-Dichloroethene	50.000	50.985	-2.0#	107	0.00
13 T	Acrolein	250.000	216.401	13.4	93	0.00
14 T	Allyl chloride	50.000	52.751	-5.5	111	0.00
15 T	Acrylonitrile	250.000	221.534	11.4	93	0.00
16 T	Acetone	250.000	249.149	0.3	112	-0.01
17 T	Carbon Disulfide	50.000	53.750	-7.5	113	0.00
18 T	Methyl Acetate	50.000	42.618	14.8	93	0.00
19 T	Methyl tert-butyl Ether	50.000	48.930	2.1	103	-0.01
20 T	Methylene Chloride	50.000	47.545	4.9	106	0.00
21 T	trans-1,2-Dichloroethene	50.000	52.185	-4.4	107	0.00
22 T	Diisopropyl ether	50.000	50.558	-1.1	105	-0.01
23 T	Vinyl Acetate	250.000	257.967	-3.2	104	-0.01
24 P	1,1-Dichloroethane	50.000	49.028	1.9	105	0.00
25 T	2-Butanone	250.000	228.483	8.6	94	-0.02
26 T	2,2-Dichloropropane	50.000	81.229	-62.5#	170	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.752	0.5	105	0.00
28 T	Bromochloromethane	50.000	51.026	-2.1	107	-0.01
29 T	Tetrahydrofuran	250.000	205.464	17.8	88	-0.01
30 C	Chloroform	50.000	48.717	2.6#	104	0.00
31 T	Cyclohexane	50.000	52.450	-4.9	110	0.00
32 T	1,1,1-Trichloroethane	50.000	50.666	-1.3	106	0.00
33 S	1,2-Dichloroethane-d4	50.000	44.748	10.5	100	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	101	0.00
35 S	Dibromofluoromethane	50.000	48.176	3.6	99	-0.01
36 T	1,1-Dichloropropene	50.000	53.817	-7.6	107	0.00
37 T	Ethyl Acetate	50.000	45.441	9.1	90	-0.02
38 T	Carbon Tetrachloride	50.000	55.698	-11.4	112	0.00
39 T	Methylcyclohexane	50.000	60.020	-20.0	114	0.00
40 TM	Benzene	50.000	51.902	-3.8	102	0.00
41 T	Methacrylonitrile	50.000	47.832	4.3	91	-0.02
42 TM	1,2-Dichloroethane	50.000	49.867	0.3	100	0.00
43 T	Isopropyl Acetate	50.000	50.206	-0.4	96	-0.01
44 TM	Trichloroethene	50.000	52.774	-5.5	107	0.00
45 C	1,2-Dichloropropane	50.000	50.569	-1.1#	103	0.00
46 T	Dibromomethane	50.000	51.811	-3.6	103	0.00
47 T	Bromodichloromethane	50.000	52.895	-5.8	106	0.00
48 T	Methyl methacrylate	50.000	49.240	1.5	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
 Data File : VX045100.D
 Acq On : 03 Mar 2025 08:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Mar 04 05:16:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 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	965.401	3.5	96	0.00
50 S	Toluene-d8	50.000	49.917	0.2	101	0.00
51 T	4-Methyl-2-Pentanone	250.000	237.886	4.8	93	0.00
52 CM	Toluene	50.000	53.470	-6.9#	103	0.00
53 T	t-1,3-Dichloropropene	50.000	60.846	-21.7	114	0.00
54 T	cis-1,3-Dichloropropene	50.000	59.082	-18.2	113	0.00
55 T	1,1,2-Trichloroethane	50.000	49.192	1.6	98	0.00
56 T	Ethyl methacrylate	50.000	52.500	-5.0	99	0.00
57 T	1,3-Dichloropropane	50.000	49.867	0.3	99	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	269.437	-7.8	100	0.00
59 T	2-Hexanone	250.000	247.153	1.1	95	0.00
60 T	Dibromochloromethane	50.000	54.518	-9.0	105	0.00
61 T	1,2-Dibromoethane	50.000	51.000	-2.0	101	0.00
62 S	4-Bromofluorobenzene	50.000	52.385	-4.8	106	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	101	0.00
64 T	Tetrachloroethene	50.000	53.797	-7.6	108	0.00
65 PM	Chlorobenzene	50.000	52.832	-5.7	104	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.966	-5.9	106	0.00
67 C	Ethyl Benzene	50.000	54.180	-8.4#	104	0.00
68 T	m/p-Xylenes	100.000	109.819	-9.8	104	0.00
69 T	o-Xylene	50.000	53.126	-6.3	104	0.00
70 T	Styrene	50.000	55.978	-12.0	106	0.00
71 P	Bromoform	50.000	56.284	-12.6	110	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	108	0.00
73 T	Isopropylbenzene	50.000	51.893	-3.8	106	0.00
74 T	N-ethyl acetate	50.000	52.500	-5.0	105	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	46.816	6.4	102	0.00
76 T	1,2,3-Trichloropropane	50.000	47.917	4.2	105	0.00
77 T	Bromobenzene	50.000	51.884	-3.8	110	0.00
78 T	n-propylbenzene	50.000	54.516	-9.0	108	0.00
79 T	2-Chlorotoluene	50.000	50.611	-1.2	107	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.251	-6.5	107	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	56.912	-13.8	123	0.00
82 T	4-Chlorotoluene	50.000	53.031	-6.1	108	0.00
83 T	tert-Butylbenzene	50.000	52.504	-5.0	109	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.666	-7.3	109	0.00
85 T	sec-Butylbenzene	50.000	55.000	-10.0	109	0.00
86 T	p-Isopropyltoluene	50.000	56.930	-13.9	113	0.00
87 T	1,3-Dichlorobenzene	50.000	53.439	-6.9	113	0.00
88 T	1,4-Dichlorobenzene	50.000	52.885	-5.8	112	0.00
89 T	n-Butylbenzene	50.000	60.957	-21.9	118	0.00
90 T	Hexachloroethane	50.000	54.968	-9.9	111	0.00
91 T	1,2-Dichlorobenzene	50.000	53.047	-6.1	113	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	46.667	6.7	97	0.00
93 T	1,2,4-Trichlorobenzene	50.000	58.082	-16.2	116	0.00
94 T	Hexachlorobutadiene	50.000	58.476	-17.0	124	0.00
95 T	Naphthalene	50.000	50.637	-1.3	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
Data File : VX045100.D
Acq On : 03 Mar 2025 08:47
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 04 05:16:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
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	53.892	-7.8	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005

Lab Code: CHEM Case No.: Q1478 SAS No.: Q1478 SDG No.: Q1478

Instrument ID: MSVOA_X Calibration Date/Time: 03/05/2025 09:12

Lab File ID: VX045127.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.629	0.611		-2.86	20
Chloromethane	0.770	0.671	0.1	-12.86	20
Vinyl Chloride	0.764	0.689		-9.82	20
Bromomethane	0.300	0.271		-9.67	20
Chloroethane	0.352	0.291		-17.33	20
Trichlorofluoromethane	1.012	0.938		-7.31	20
1,1,2-Trichlorotrifluoroethane	0.581	0.581		0	20
1,1-Dichloroethene	0.614	0.553		-9.94	20
Acetone	0.369	0.301		-18.43	20
Carbon Disulfide	1.636	1.452		-11.25	20
Methyl tert-butyl Ether	2.061	1.855		-9.99	20
Methyl Acetate	0.888	0.810		-8.78	20
Methylene Chloride	0.731	0.640		-12.45	20
trans-1,2-Dichloroethene	0.607	0.571		-5.93	20
1,1-Dichloroethane	1.247	1.123	0.1	-9.94	20
Cyclohexane	1.082	1.035		-4.34	20
2-Butanone	0.555	0.488		-12.07	20
Carbon Tetrachloride	0.465	0.457		-1.72	20
cis-1,2-Dichloroethene	0.749	0.684		-8.68	20
Bromochloromethane	0.594	0.559		-5.89	20
Chloroform	1.239	1.123		-9.36	20
1,1,1-Trichloroethane	1.000	0.923		-7.7	20
Methylcyclohexane	0.549	0.609		10.93	20
Benzene	1.448	1.416		-2.21	20
1,2-Dichloroethane	0.521	0.506		-2.88	20
Trichloroethene	0.340	0.338		-0.59	20
1,2-Dichloropropane	0.372	0.355		-4.57	20
Bromodichloromethane	0.516	0.512		-0.77	20
4-Methyl-2-Pentanone	0.587	0.550		-6.3	20
Toluene	0.849	0.858		1.06	20
t-1,3-Dichloropropene	0.431	0.464		7.66	20
cis-1,3-Dichloropropene	0.503	0.541		7.55	20
1,1,2-Trichloroethane	0.350	0.334		-4.57	20
2-Hexanone	0.425	0.404		-4.94	20
Dibromochloromethane	0.366	0.374		2.19	20
1,2-Dibromoethane	0.349	0.340		-2.58	20
Tetrachloroethene	0.320	0.328		2.5	20
Chlorobenzene	1.058	1.044	0.3	-1.32	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05
 Lab Code: CHEM Case No.: Q1478 SAS No.: Q1478 SDG No.: Q1478
 Instrument ID: MSVOA_X Calibration Date/Time: 03/05/2025 09:12
 Lab File ID: VX045127.D Init. Calib. Date(s): 02/28/2025 02/28/2025
 Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	1.877		1.85	20
m/p-Xylenes	0.675	0.695		2.96	20
o-Xylene	0.681	0.676		-0.73	20
Styrene	1.101	1.118		1.54	20
Bromoform	0.266	0.272	0.1	2.26	20
Isopropylbenzene	3.903	3.893		-0.26	20
1,1,2,2-Tetrachloroethane	1.432	1.304	0.3	-8.94	20
1,3-Dichlorobenzene	1.643	1.598		-2.74	20
1,4-Dichlorobenzene	1.662	1.585		-4.63	20
1,2-Dichlorobenzene	1.648	1.633		-0.91	20
1,2-Dibromo-3-Chloropropane	0.279	0.264		-5.38	20
1,2,4-Trichlorobenzene	0.938	0.991		5.65	20
1,2,3-Trichlorobenzene	0.990	1.016		2.63	20
1,2-Dichloroethane-d4	0.795	0.743		-6.54	20
Dibromofluoromethane	0.334	0.344		2.99	20
Toluene-d8	1.212	1.229		1.4	20
4-Bromofluorobenzene	0.402	0.412		2.49	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\VX030525\
 Data File : VX045127.D
 Acq On : 05 Mar 2025 09:12
 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 03/06/2025
 Supervised By : Mahesh Dadoda 03/06/2025

Quant Time: Mar 06 00:58:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	112291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	190470	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	164207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	83482	46.738	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.480%
35) Dibromofluoromethane	5.373	113	65550	51.467	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.940%
50) Toluene-d8	8.641	98	234119	50.704	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.400%
62) 4-Bromofluorobenzene	11.079	95	78409	51.246	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	68622	48.548	ug/l	91
3) Chloromethane	1.307	50	75368	43.571	ug/l	97
4) Vinyl Chloride	1.374	62	77400	45.105	ug/l	98
5) Bromomethane	1.593	94	30416	45.089	ug/l	98
6) Chloroethane	1.660	64	32683	41.292	ug/l	95
7) Trichlorofluoromethane	1.867	101	105280	46.345	ug/l	98
8) Diethyl Ether	2.136	74	39098	44.003	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.312	101	65196	49.955	ug/l	99
10) Methyl Iodide	2.441	142	78420	48.082	ug/l	98
11) Tert butyl alcohol	2.995	59	60479	178.760	ug/l	100
12) 1,1-Dichloroethene	2.306	96	62054	44.972	ug/l	99
13) Acrolein	2.233	56	93541	239.177	ug/l	98
14) Allyl chloride	2.654	41	116846	47.573	ug/l	98
15) Acrylonitrile	3.062	53	196064	216.227	ug/l	99
16) Acetone	2.386	43	168809	203.698	ug/l	97
17) Carbon Disulfide	2.495	76	163042	44.364	ug/l	97
18) Methyl Acetate	2.703	43	91008	45.649	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	208272	44.990	ug/l	100
20) Methylene Chloride	2.782	84	71831	43.757	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	64065	46.997	ug/l	97
22) Diisopropyl ether	3.757	45	232828	46.611	ug/l	96
23) Vinyl Acetate	3.715	43	988338	237.095	ug/l	99
24) 1,1-Dichloroethane	3.599	63	126104	45.046	ug/l	98
25) 2-Butanone	4.556	43	274151	219.773	ug/l	97
26) 2,2-Dichloropropane	4.465	77	89223	67.949	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	76838	45.662	ug/l	95
28) Bromochloromethane	4.891	49	62721	47.005	ug/l	99
29) Tetrahydrofuran	5.001	42	179664	214.470	ug/l	100
30) Chloroform	5.086	83	126092	45.331	ug/l	98
31) Cyclohexane	5.458	56	116269	47.845	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	103689	46.154	ug/l	99
36) 1,1-Dichloropropene	5.678	75	86057	49.270	ug/l	99
37) Ethyl Acetate	4.715	43	105492	46.871	ug/l	99
38) Carbon Tetrachloride	5.666	117	87042	49.086	ug/l	99
39) Methylcyclohexane	7.373	83	115913	55.384	ug/l	98
40) Benzene	6.025	78	269708	48.900	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
 Data File : VX045127.D
 Acq On : 05 Mar 2025 09:12
 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 03/06/2025
 Supervised By : Mahesh Dadoda 03/06/2025

Quant Time: Mar 06 00:58:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	59812	49.148	ug/l	98
42) 1,2-Dichloroethane	6.080	62	96363	48.518	ug/l	100
43) Isopropyl Acetate	6.336	43	161345	48.480	ug/l	100
44) Trichloroethene	7.117	130	64443	49.759	ug/l	99
45) 1,2-Dichloropropane	7.421	63	67543	47.629	ug/l	97
46) Dibromomethane	7.574	93	48542	48.429	ug/l	98
47) Bromodichloromethane	7.818	83	97568	49.627	ug/l	100
48) Methyl methacrylate	7.690	41	80625	48.288	ug/l	99
49) 1,4-Dioxane	7.665	88	31601	897.247	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	523954	234.470	ug/l	99
52) Toluene	8.714	92	163330	50.472	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	88322	53.736	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	102986	53.733	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	63538	47.694	ug/l	96
56) Ethyl methacrylate	9.116	69	98764	48.771	ug/l	99
57) 1,3-Dichloropropane	9.305	76	110247	47.819	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	263234	266.477	ug/l	100
59) 2-Hexanone	9.427	43	384958	237.763	ug/l	100
60) Dibromochloromethane	9.518	129	71321	51.202	ug/l	98
61) 1,2-Dibromoethane	9.604	107	64667	48.624	ug/l	99
64) Tetrachloroethene	9.269	164	53835	51.190	ug/l	97
65) Chlorobenzene	10.073	112	171449	49.344	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	56543	48.866	ug/l	99
67) Ethyl Benzene	10.189	91	308282	50.920	ug/l	99
68) m/p-Xylenes	10.299	106	228130	102.932	ug/l	100
69) o-Xylene	10.640	106	111076	49.692	ug/l	99
70) Styrene	10.652	104	183603	50.763	ug/l	100
71) Bromoform	10.799	173	44654	51.176	ug/l #	99
73) Isopropylbenzene	10.957	105	289986	49.882	ug/l	100
74) N-amyl acetate	10.841	43	133706	49.015	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	97087	45.510	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	77426m	44.663	ug/l	
77) Bromobenzene	11.195	156	65952	48.083	ug/l	99
78) n-propylbenzene	11.305	91	338544	51.552	ug/l	99
79) 2-Chlorotoluene	11.360	91	196917	47.083	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	235799	50.163	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	26035	51.395	ug/l	98
82) 4-Chlorotoluene	11.451	91	223976	49.137	ug/l	100
83) tert-Butylbenzene	11.713	119	232845	48.210	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	236246	49.949	ug/l	100
85) sec-Butylbenzene	11.890	105	298121	51.530	ug/l	99
86) p-Isopropyltoluene	12.006	119	242004	51.761	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	119022	48.641	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	118036	47.680	ug/l	99
89) n-Butylbenzene	12.329	91	222008	55.132	ug/l	100
90) Hexachloroethane	12.536	117	42059	49.734	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	121609	49.543	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19675	47.340	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	73807	52.807	ug/l	100
94) Hexachlorobutadiene	13.725	225	30136	52.591	ug/l	97
95) Naphthalene	13.774	128	269735	50.230	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	75650	51.306	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045127.D
Acq On : 05 Mar 2025 09:12
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 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

Quant Time: Mar 06 00:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

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

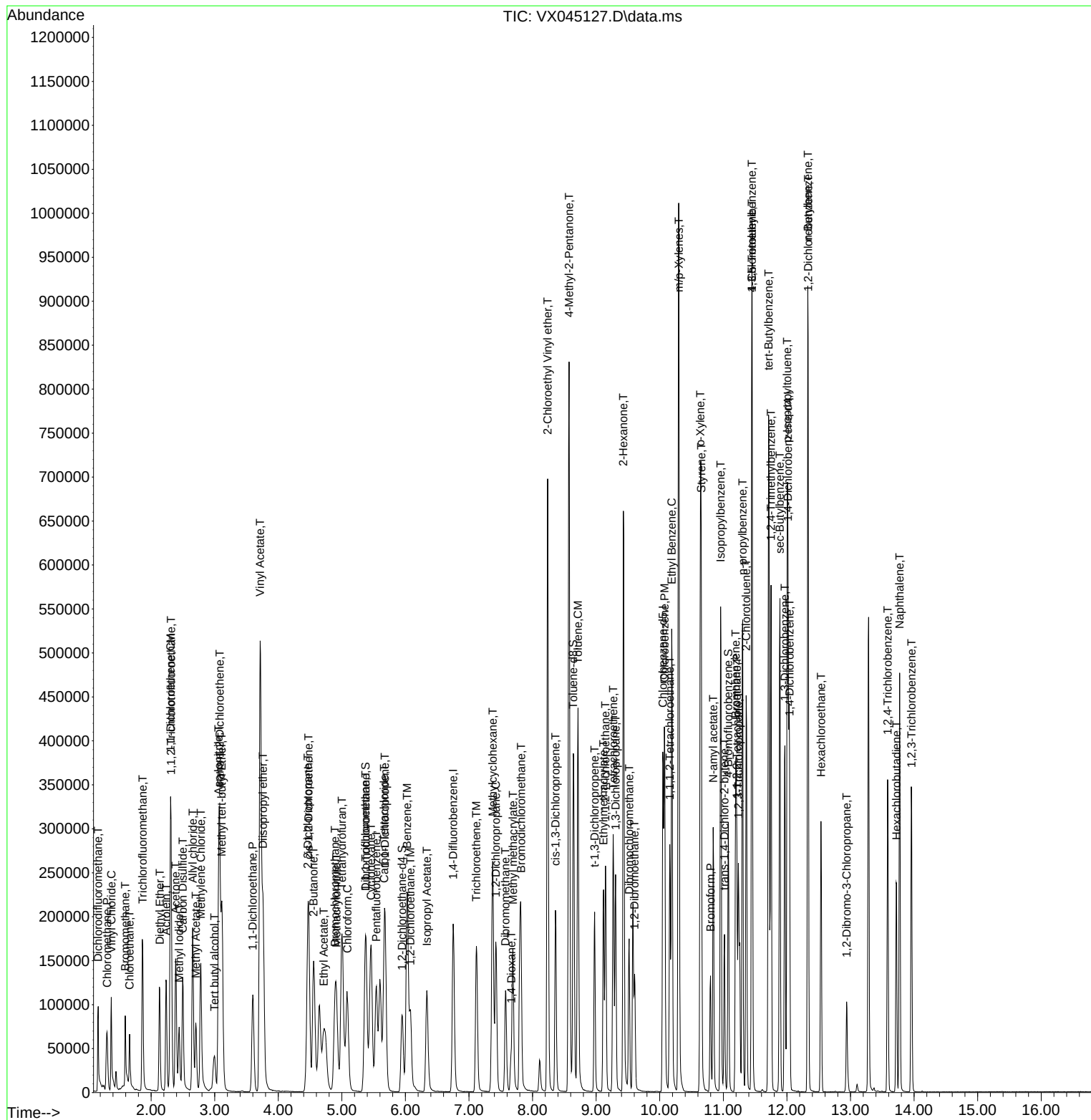
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Acq On    : 05 Mar 2025  09:12  
Operator  : JC/MD  
Sample    : VSTDCCC050  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 2      Sample Multiplier: 1
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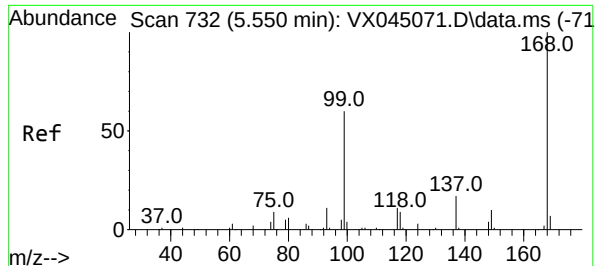
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations

Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

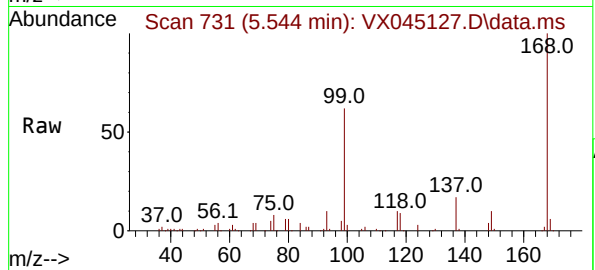
Quant Time: Mar 06 00:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

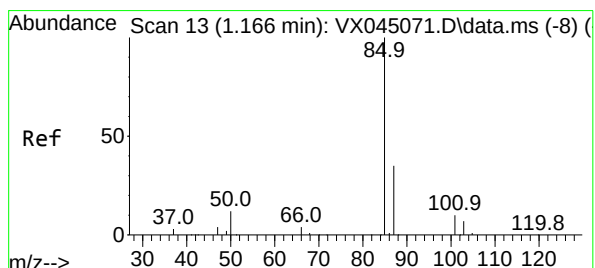
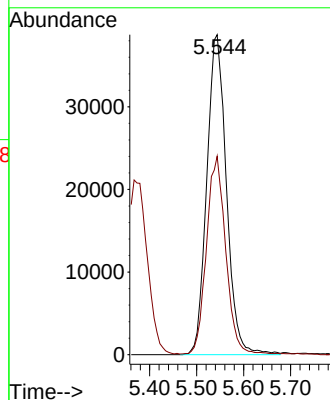
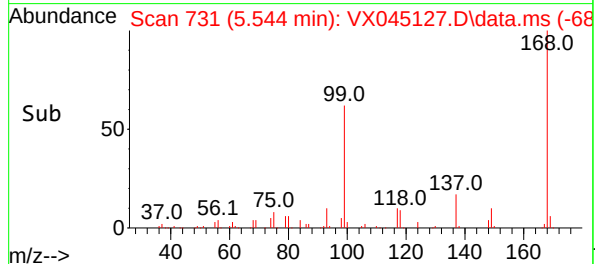
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:168 Resp: 11229
Ion Ratio Lower Upper
168 100
99 61.8 48.2 72.4

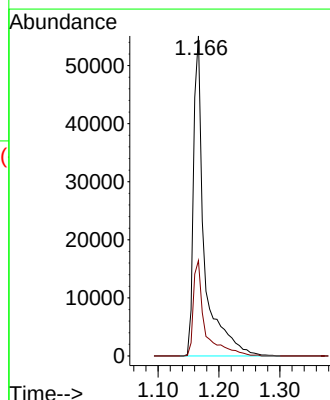
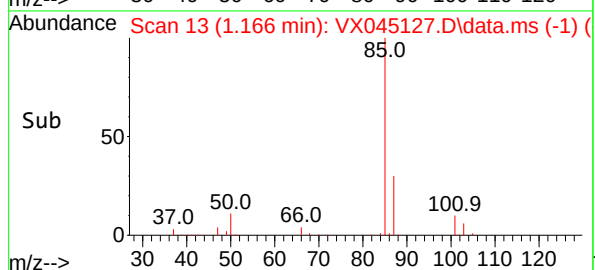
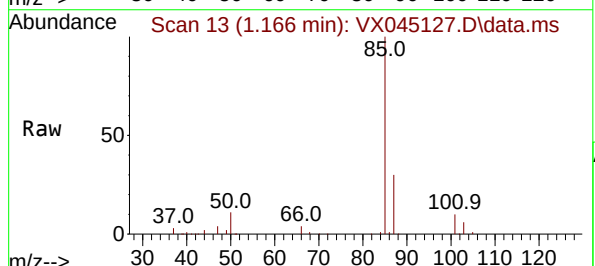
Manual Integrations
APPROVED

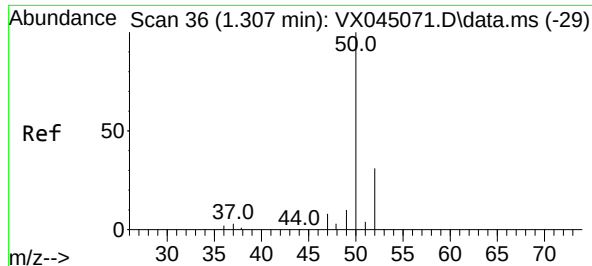
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#2
Dichlorodifluoromethane
Concen: 48.548 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 85 Resp: 68622
Ion Ratio Lower Upper
85 100
87 29.8 17.4 52.3





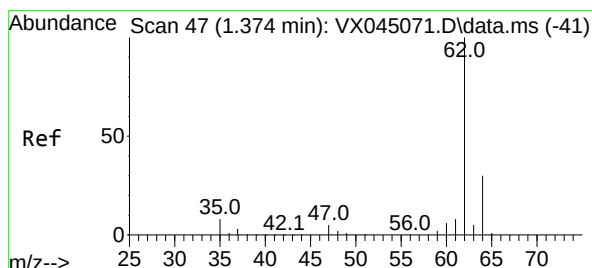
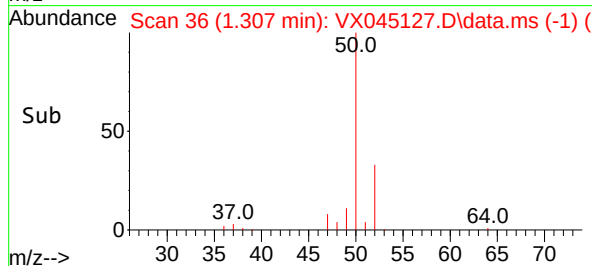
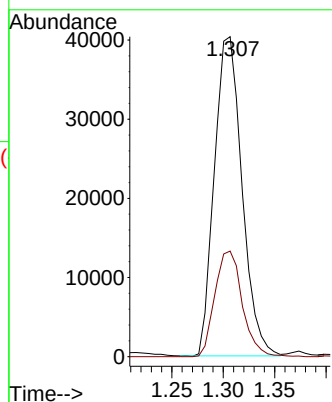
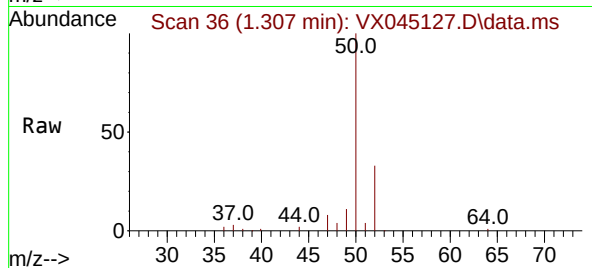
#3
Chloromethane
Concen: 43.571 ug/l
RT: 1.307 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 7536
Ion Ratio Lower Upper
50 100
52 33.1 25.0 37.4

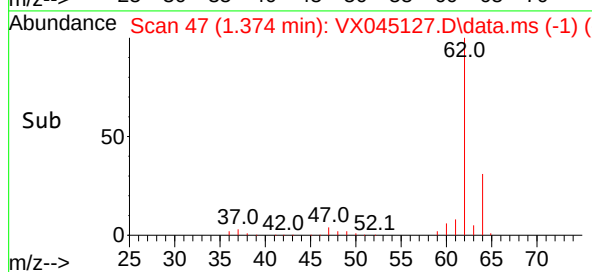
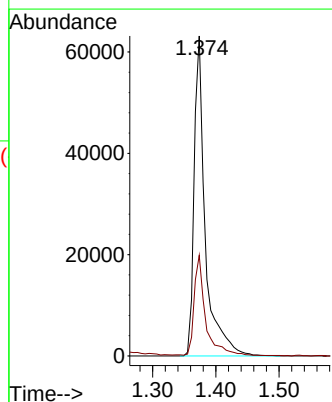
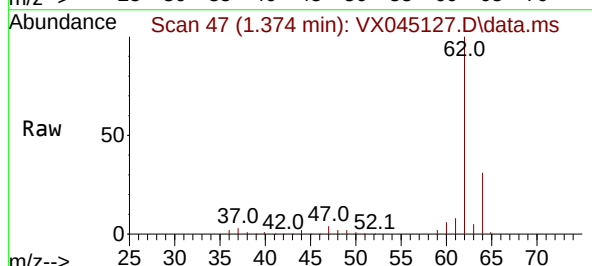
Manual Integrations
APPROVED

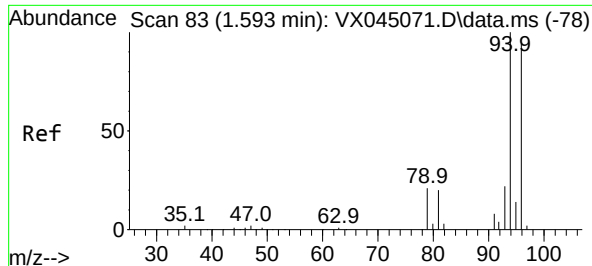
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#4
Vinyl Chloride
Concen: 45.105 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

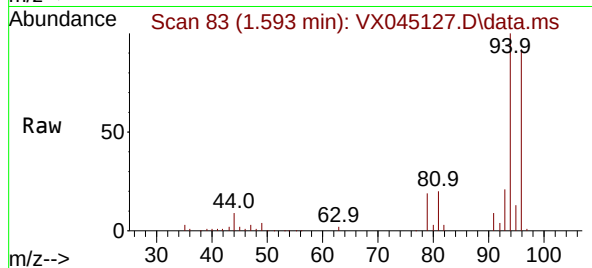
Tgt Ion: 62 Resp: 77400
Ion Ratio Lower Upper
62 100
64 31.3 24.3 36.5





#5
Bromomethane
Concen: 45.089 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

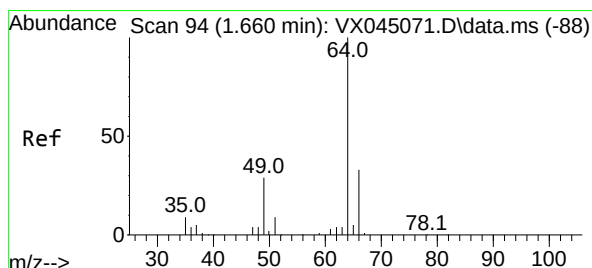
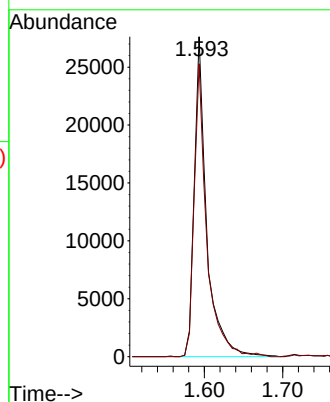
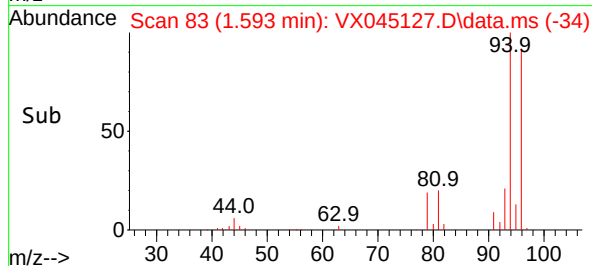
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 94 Resp: 30410
Ion Ratio Lower Upper
94 100
96 91.6 75.0 112.4

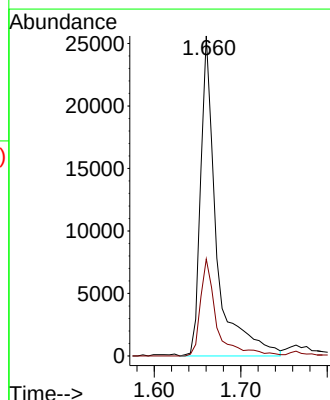
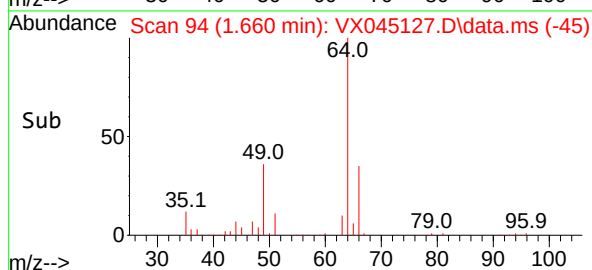
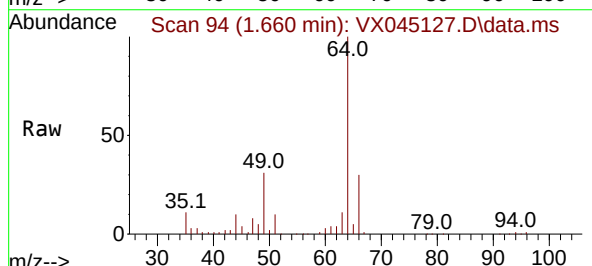
Manual Integrations
APPROVED

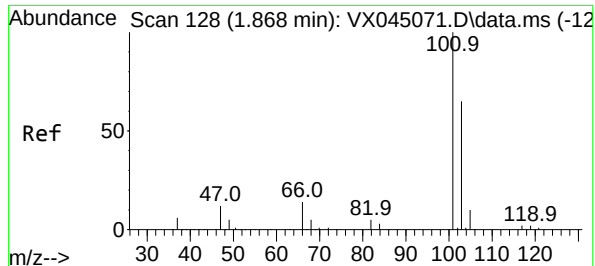
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#6
Chloroethane
Concen: 41.292 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

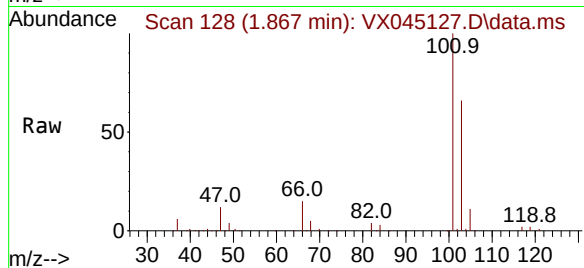
Tgt Ion: 64 Resp: 32683
Ion Ratio Lower Upper
64 100
66 30.3 26.7 40.1





#7
Trichlorofluoromethane
Concen: 46.345 ug/l
RT: 1.867 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

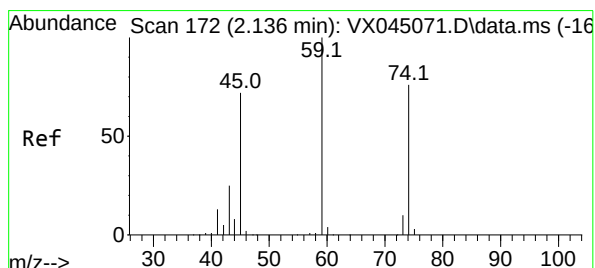
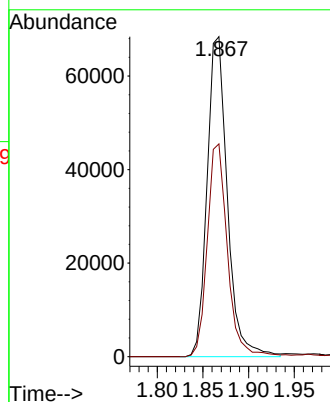
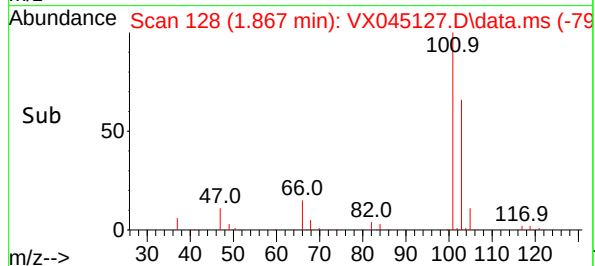
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:101 Resp: 105280
Ion Ratio Lower Upper
101 100
103 66.5 52.1 78.1

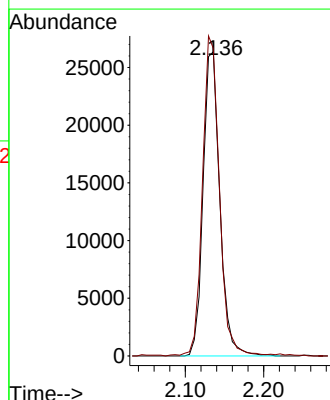
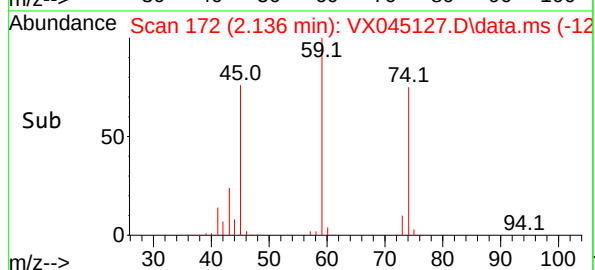
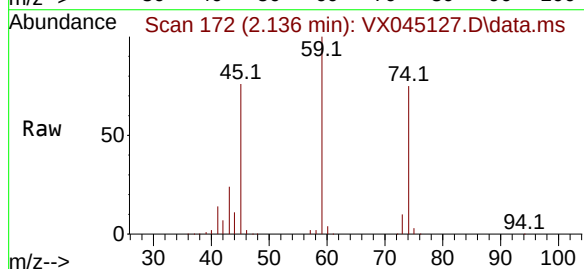
Manual Integrations
APPROVED

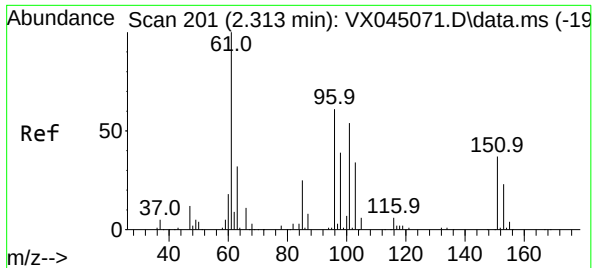
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#8
Diethyl Ether
Concen: 44.003 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 74 Resp: 39098
Ion Ratio Lower Upper
74 100
45 106.0 51.5 154.5





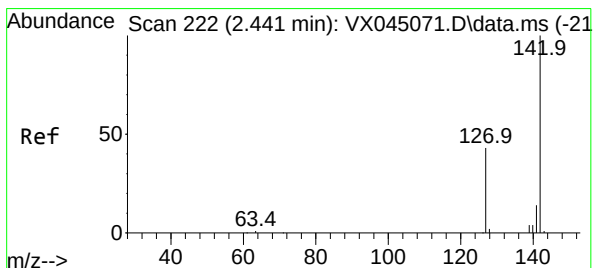
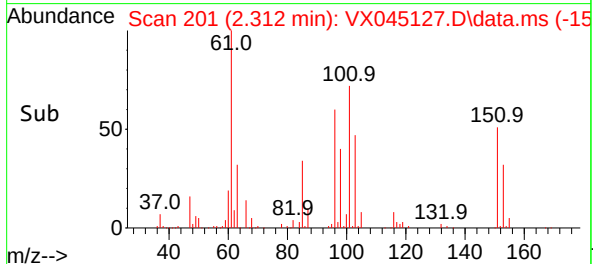
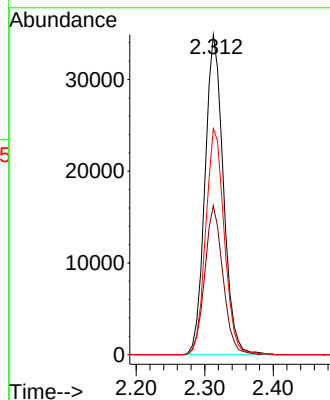
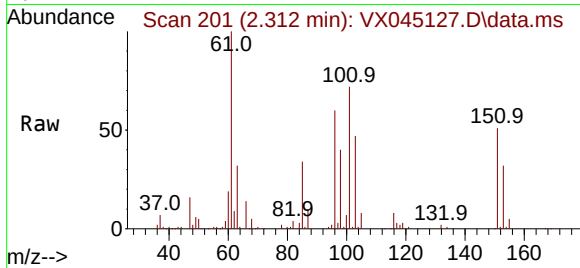
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.955 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 65190
Ion Ratio Lower Upper
101 100
85 46.1 36.2 54.4
151 71.3 56.4 84.6

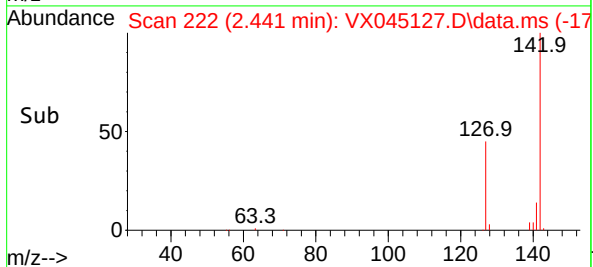
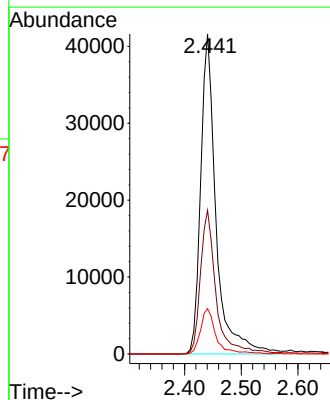
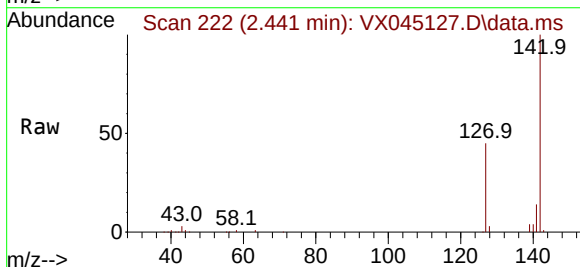
Manual Integrations
APPROVED

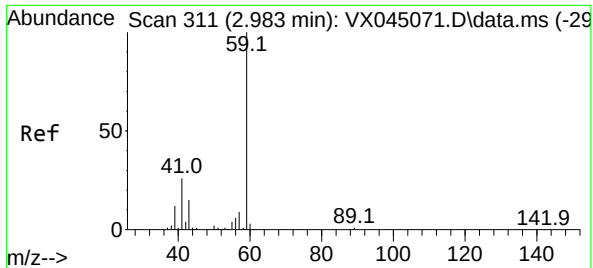
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#10
Methyl Iodide
Concen: 48.082 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:142 Resp: 78420
Ion Ratio Lower Upper
142 100
127 45.8 35.4 53.2
141 14.2 11.6 17.4





#11

Tert butyl alcohol

Concen: 178.760 ug/l

RT: 2.995 min Scan# 311

Delta R.T. 0.012 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 60479

Ion Ratio Lower Upper

59 100

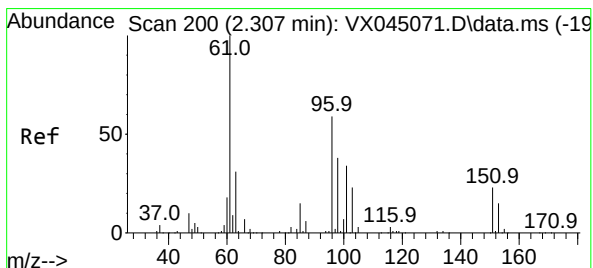
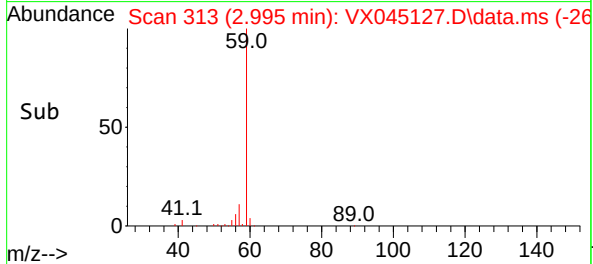
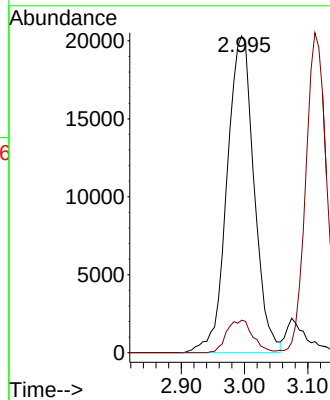
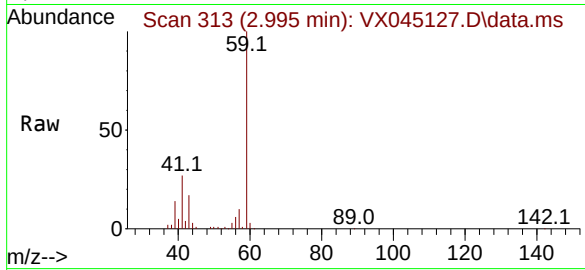
57 10.0 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#12

1,1-Dichloroethene

Concen: 44.972 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

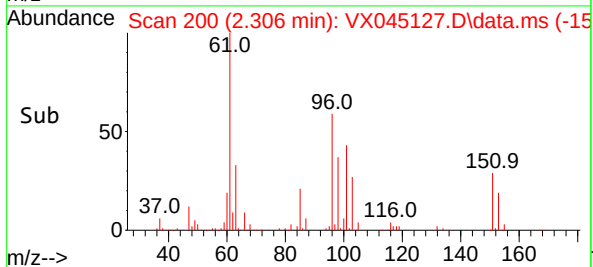
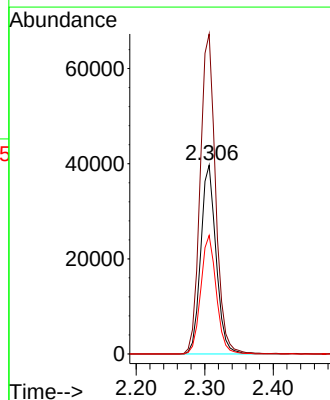
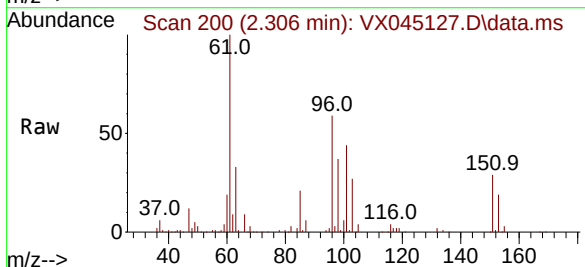
Tgt Ion: 96 Resp: 62054

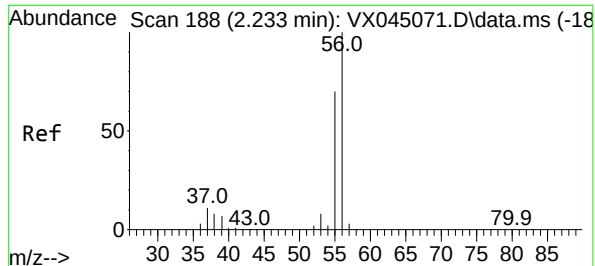
Ion Ratio Lower Upper

96 100

61 169.5 134.6 202.0

98 62.8 51.0 76.6





#13

Acrolein

Concen: 239.177 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 9354

Ion Ratio Lower Upper

56 100

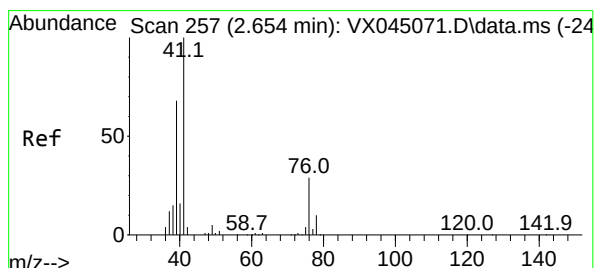
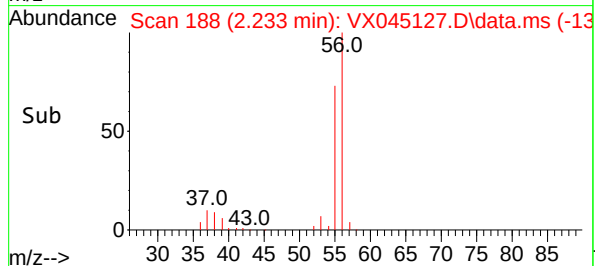
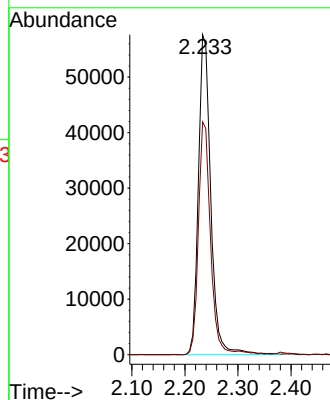
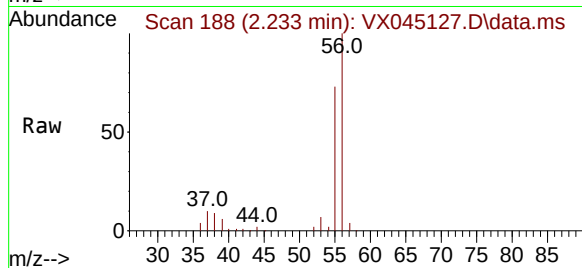
55 71.8 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#14

Allyl chloride

Concen: 47.573 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

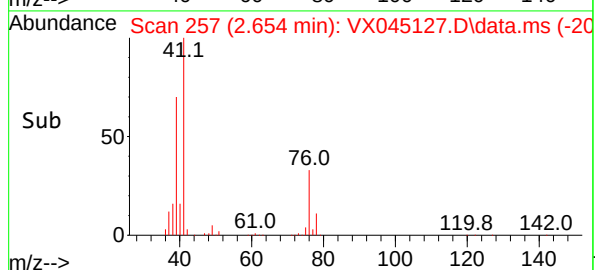
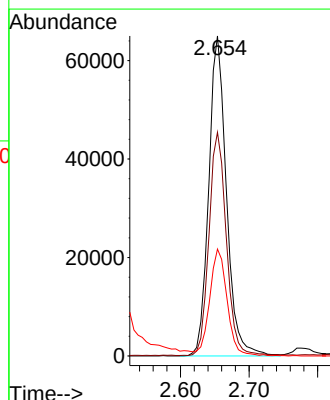
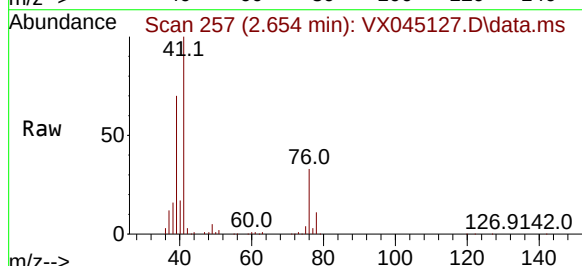
Tgt Ion: 41 Resp: 116846

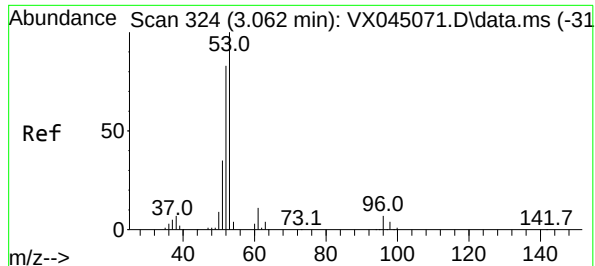
Ion Ratio Lower Upper

41 100

39 68.4 53.8 80.8

76 33.0 25.2 37.8





#15

Acrylonitrile

Concen: 216.227 ug/l

RT: 3.062 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 196064

Ion Ratio Lower Upper

53 100

52 83.4 66.2 99.2

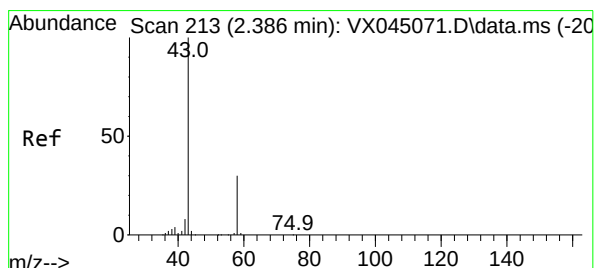
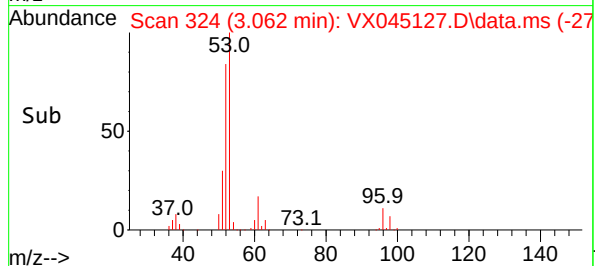
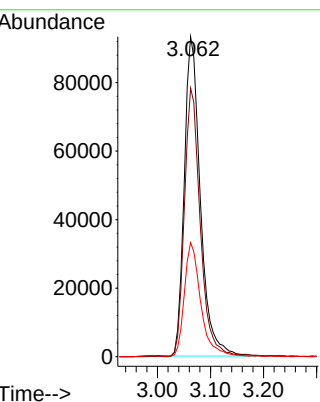
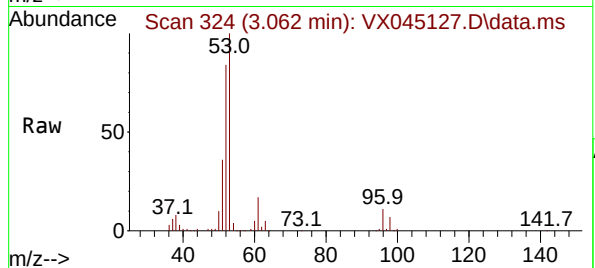
51 35.9 29.0 43.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#16

Acetone

Concen: 203.698 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX045127.D

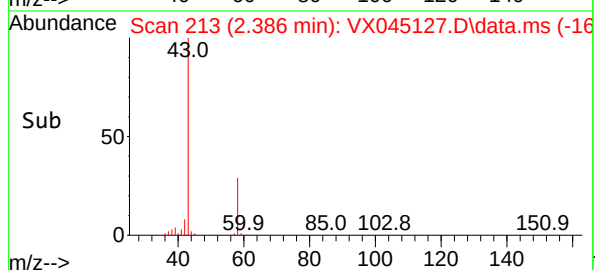
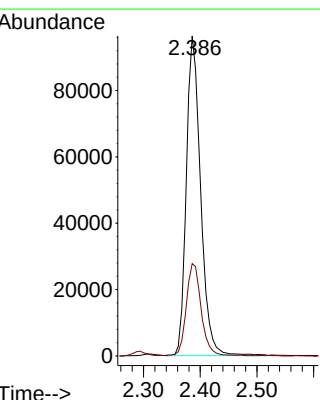
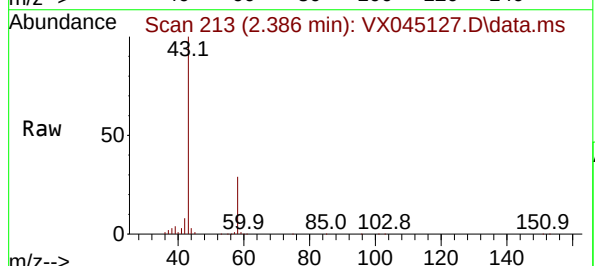
Acq: 05 Mar 2025 09:12

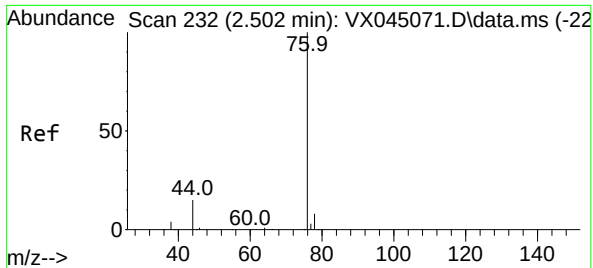
Tgt Ion: 43 Resp: 168809

Ion Ratio Lower Upper

43 100

58 28.7 24.2 36.4





#17

Carbon Disulfide

Concen: 44.364 ug/l

RT: 2.495 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 16304

Ion Ratio Lower Upper

76 100

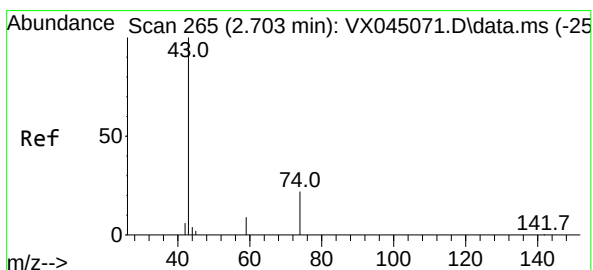
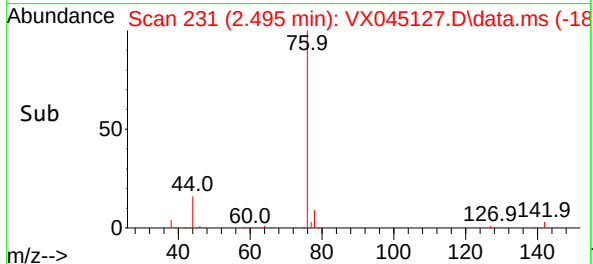
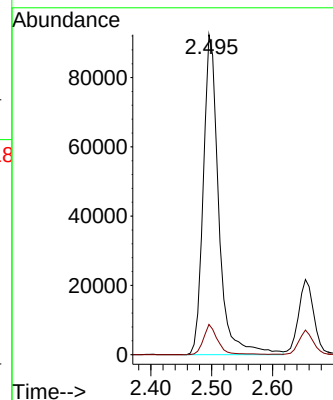
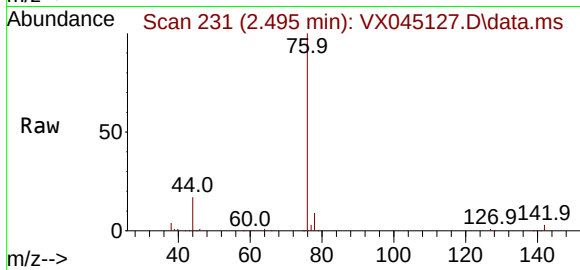
78 9.4 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#18

Methyl Acetate

Concen: 45.649 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX045127.D

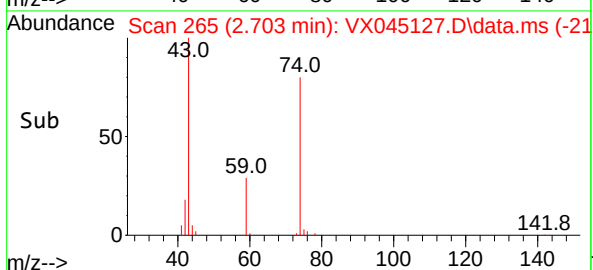
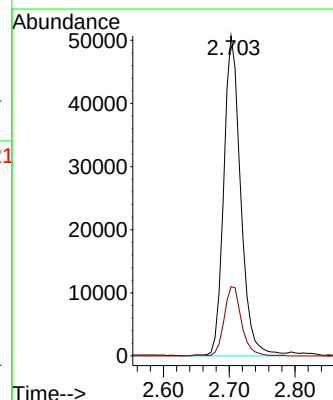
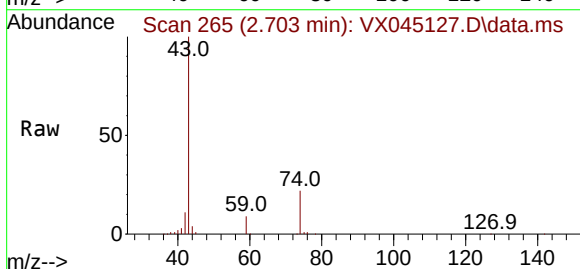
Acq: 05 Mar 2025 09:12

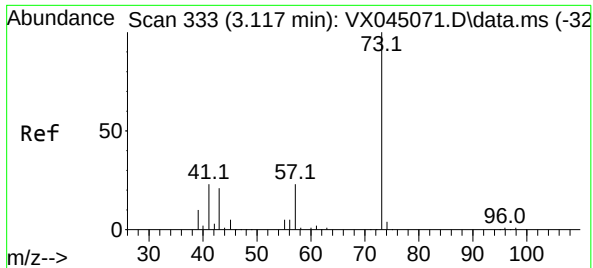
Tgt Ion: 43 Resp: 91008

Ion Ratio Lower Upper

43 100

74 22.2 17.4 26.2





#19

Methyl tert-butyl Ether

Concen: 44.990 ug/l

RT: 3.111 min Scan# 311

Delta R.T. -0.006 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 20827

Ion Ratio Lower Upper

73 100

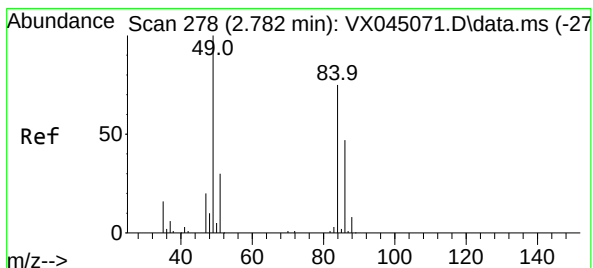
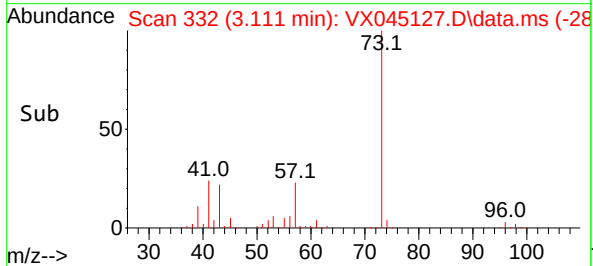
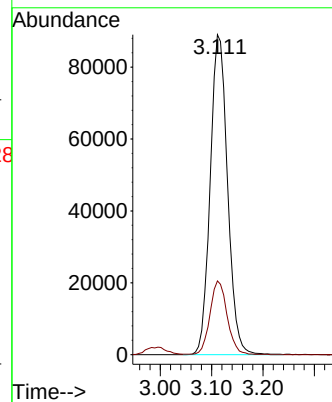
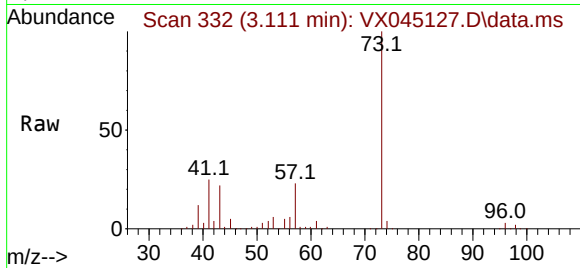
57 23.1 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#20

Methylene Chloride

Concen: 43.757 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

Tgt Ion: 84 Resp: 71831

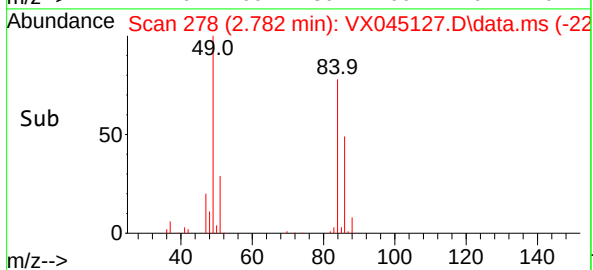
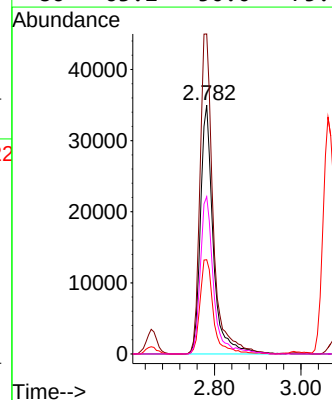
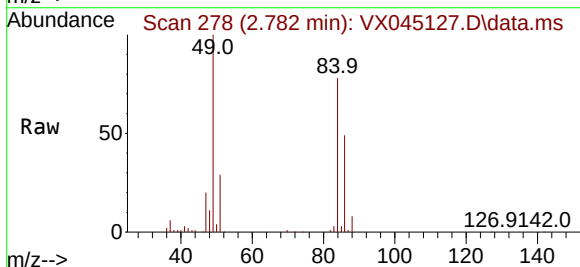
Ion Ratio Lower Upper

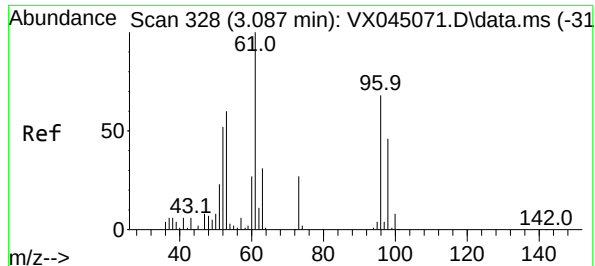
84 100

49 128.6 106.5 159.7

51 37.9 32.1 48.1

86 63.2 50.0 75.0





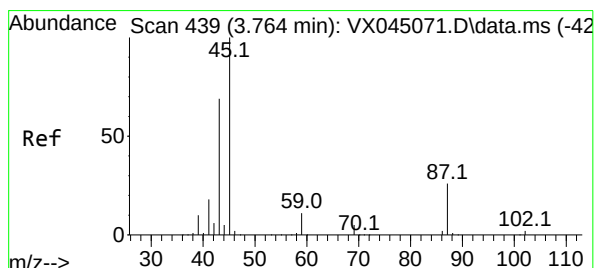
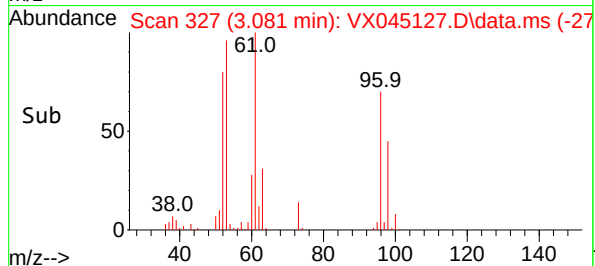
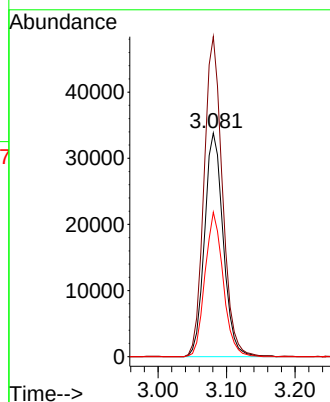
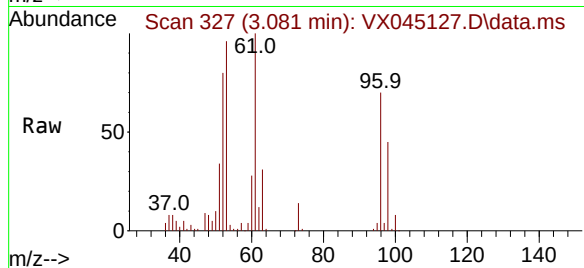
#21
trans-1,2-Dichloroethene
Concen: 46.997 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 6406
Ion Ratio Lower Upper
96 100
61 143.1 117.0 175.4
98 64.6 53.4 80.2

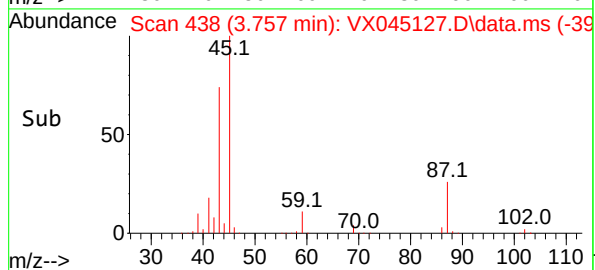
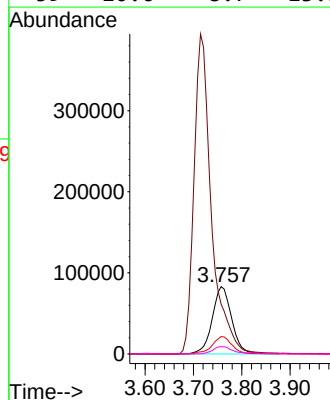
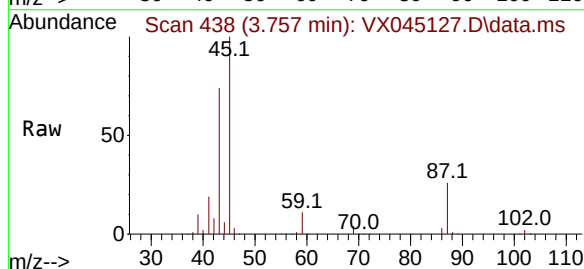
Manual Integrations
APPROVED

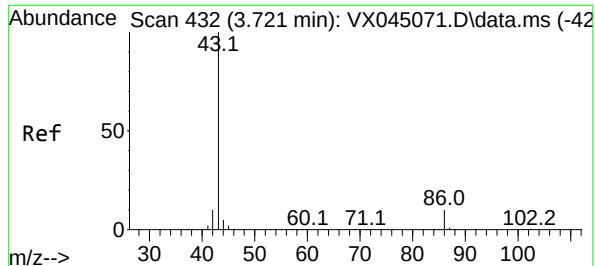
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#22
Diisopropyl ether
Concen: 46.611 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 45 Resp: 232828
Ion Ratio Lower Upper
45 100
43 73.2 54.9 82.3
87 25.8 21.0 31.4
59 10.6 8.7 13.1





#23

Vinyl Acetate

Concen: 237.095 ug/l

RT: 3.715 min Scan# 411

Delta R.T. -0.006 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 988338

Ion Ratio Lower Upper

43 100

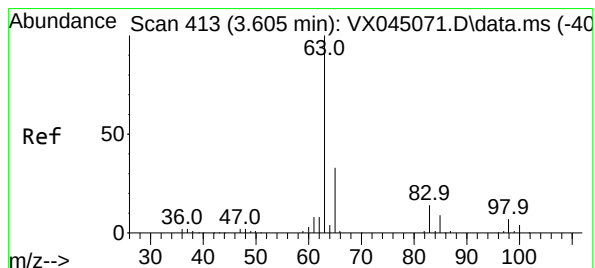
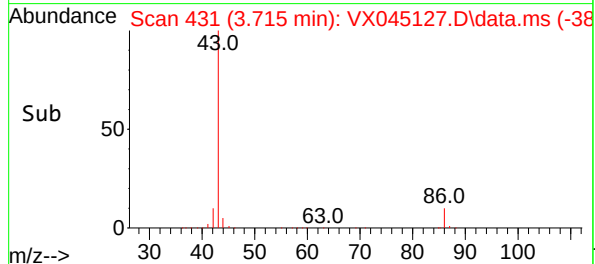
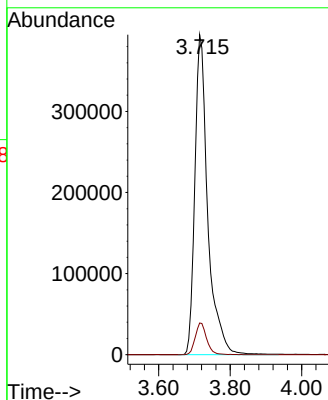
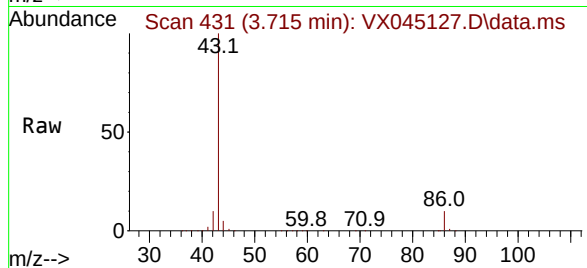
86 9.9 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#24

1,1-Dichloroethane

Concen: 45.046 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.006 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

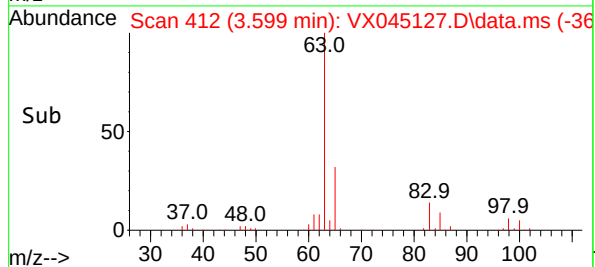
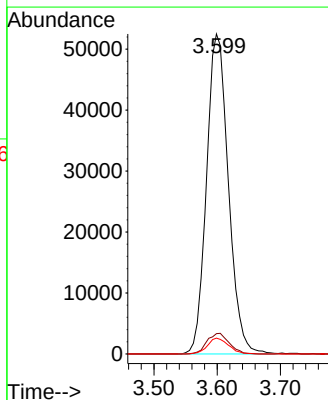
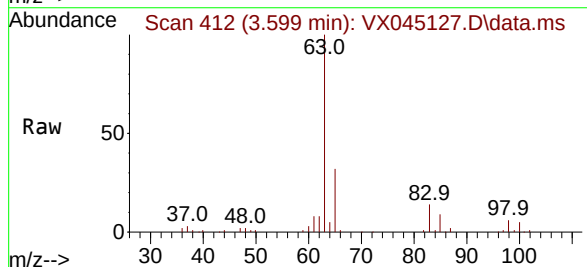
Tgt Ion: 63 Resp: 126104

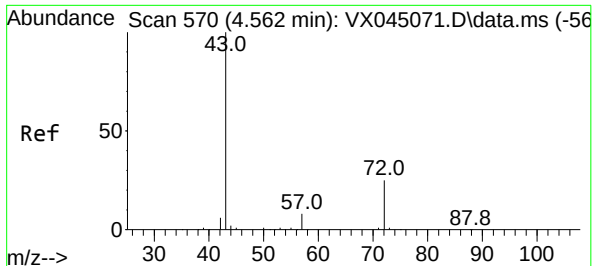
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.2

100 4.9 2.1 6.5





#25

2-Butanone

Concen: 219.773 ug/l

RT: 4.556 min Scan# 50

Delta R.T. -0.006 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 27415

Ion Ratio Lower Upper

43 100

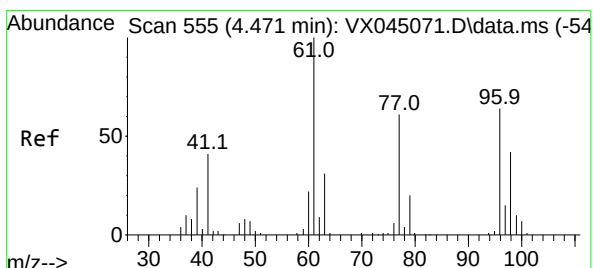
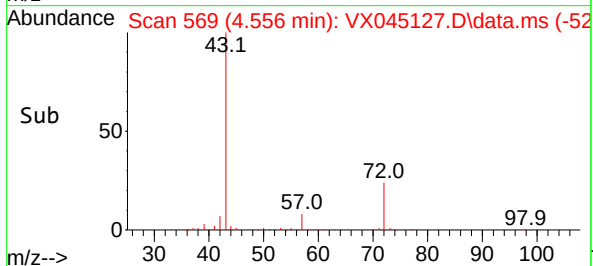
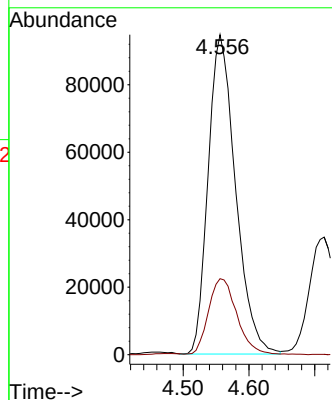
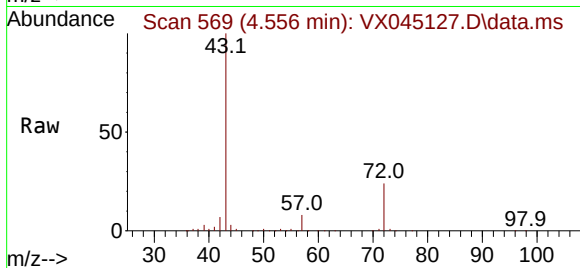
72 23.6 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#26

2,2-Dichloropropane

Concen: 67.949 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.006 min

Lab File: VX045127.D

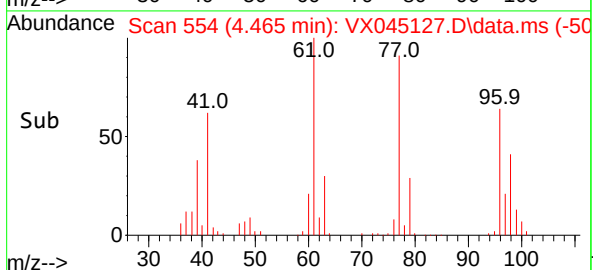
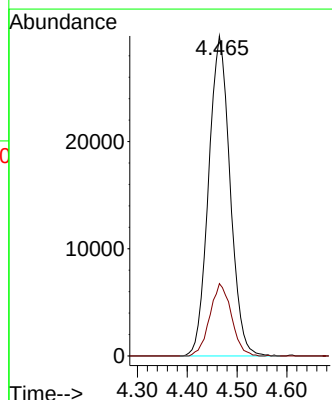
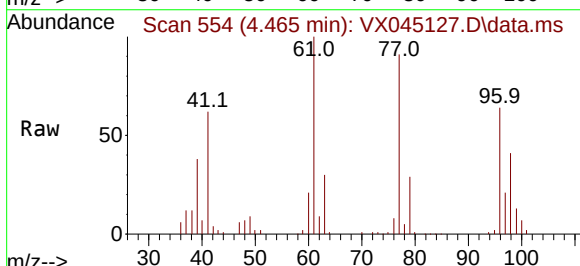
Acq: 05 Mar 2025 09:12

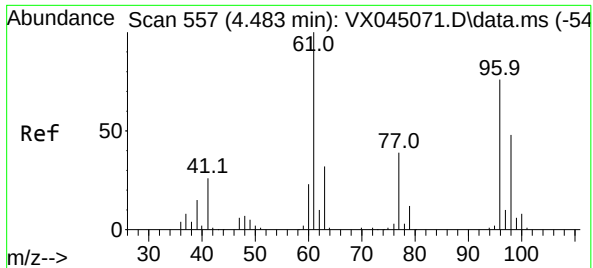
Tgt Ion: 77 Resp: 89223

Ion Ratio Lower Upper

77 100

97 22.8 12.4 37.0





#27

cis-1,2-Dichloroethene

Concen: 45.662 ug/l

RT: 4.477 min Scan# 557

Delta R.T. -0.006 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 76838

Ion Ratio Lower Upper

96 100

61 150.1 0.0 283.2

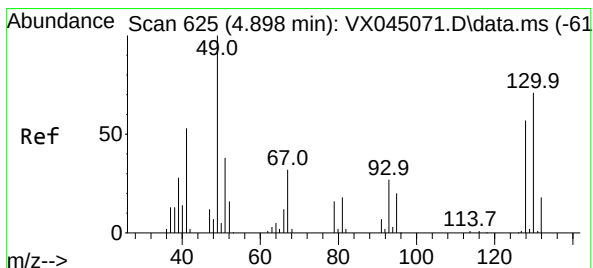
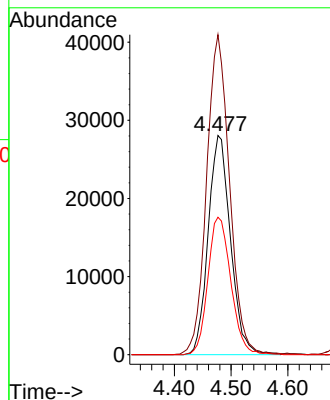
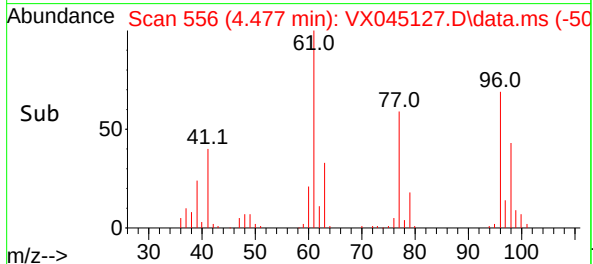
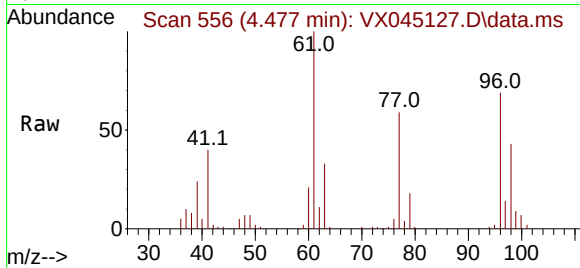
98 64.4 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#28

Bromochloromethane

Concen: 47.005 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.006 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

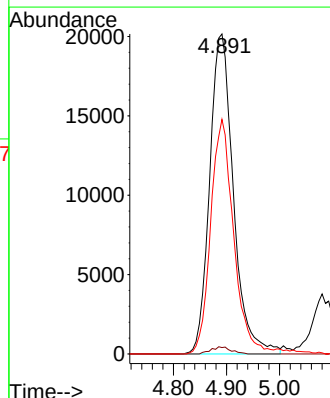
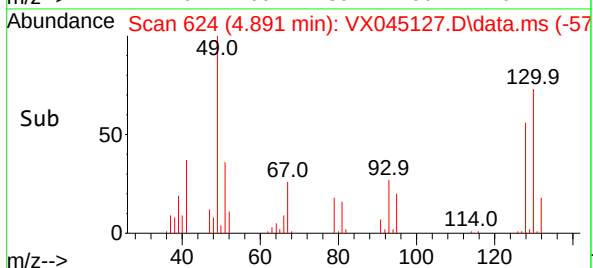
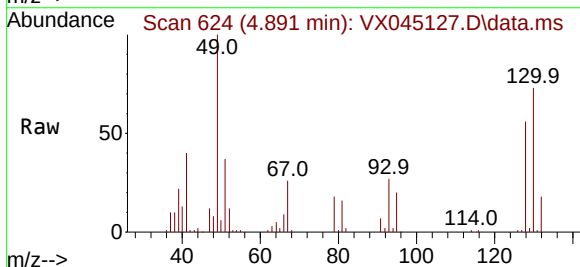
Tgt Ion: 49 Resp: 62721

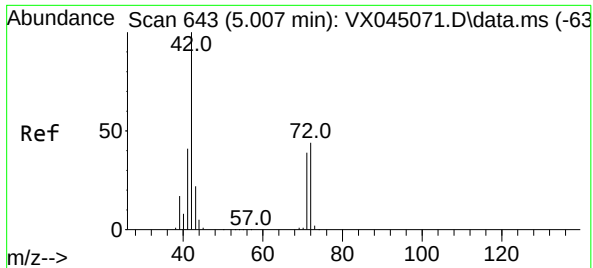
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.4

130 70.7 56.1 84.1





#29

Tetrahydrofuran

Concen: 214.470 ug/l

RT: 5.001 min Scan# 643

Delta R.T. -0.006 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 179664

Ion Ratio Lower Upper

42 100

72 42.4 34.1 51.1

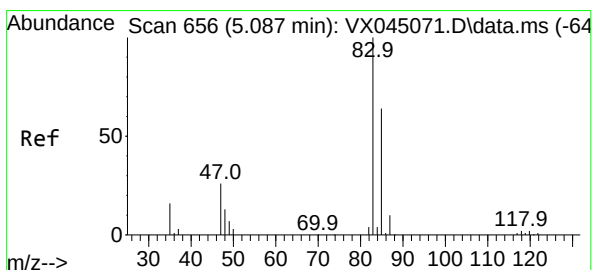
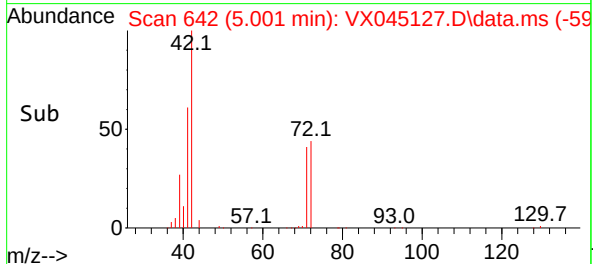
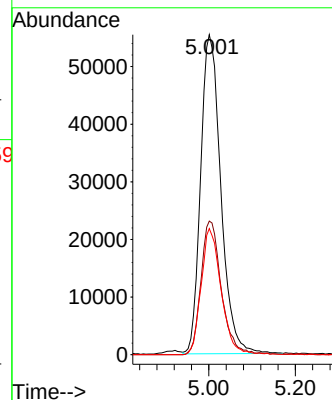
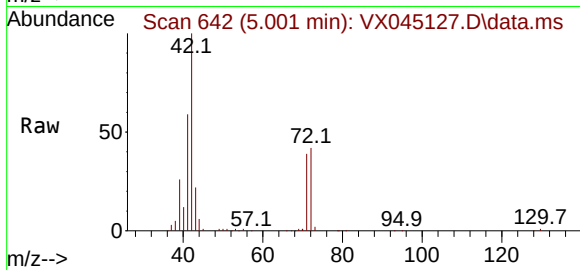
71 39.1 31.4 47.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#30

Chloroform

Concen: 45.331 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.000 min

Lab File: VX045127.D

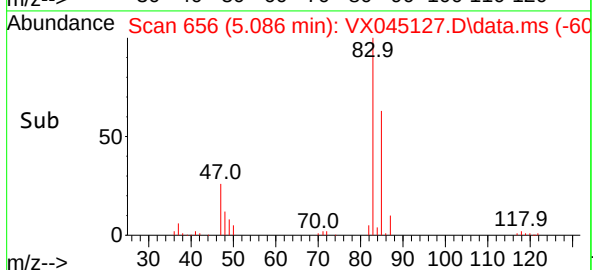
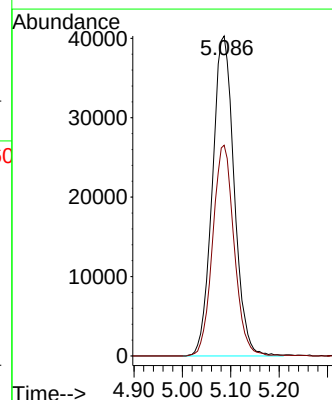
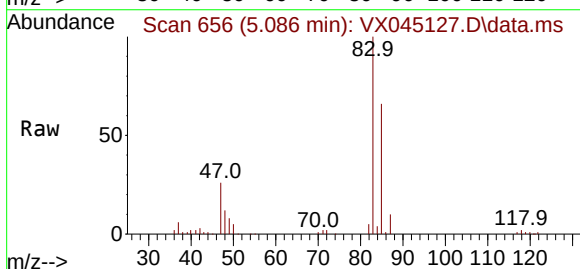
Acq: 05 Mar 2025 09:12

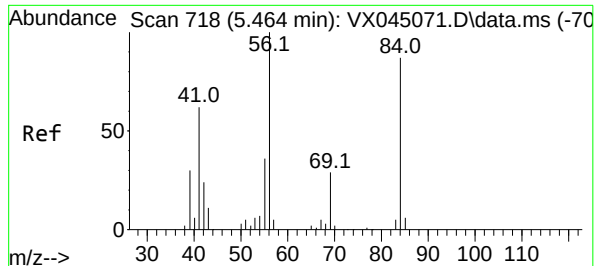
Tgt Ion: 83 Resp: 126092

Ion Ratio Lower Upper

83 100

85 65.8 51.4 77.2





#31

Cyclohexane

Concen: 47.845 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.006 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 116269

Ion Ratio Lower Upper

56 100

69 29.4 23.4 35.2

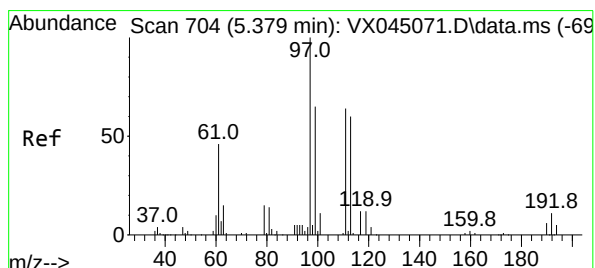
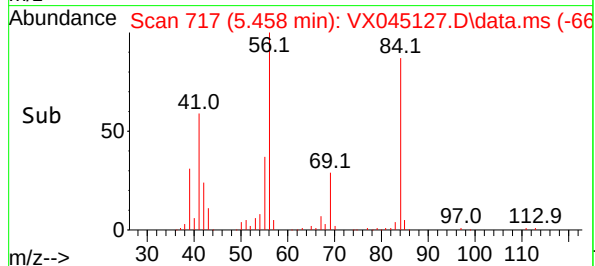
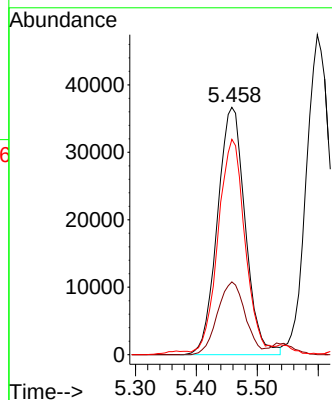
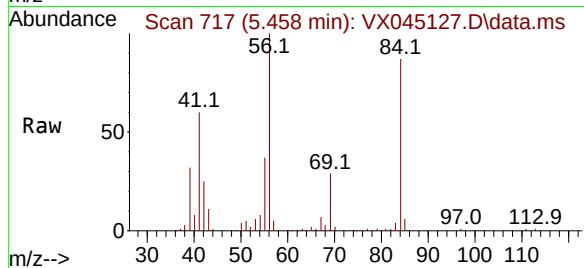
84 85.8 69.4 104.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#32

1,1,1-Trichloroethane

Concen: 46.154 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.006 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

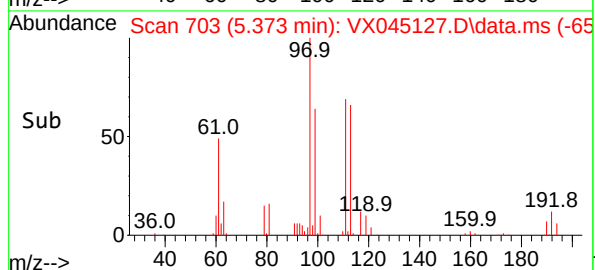
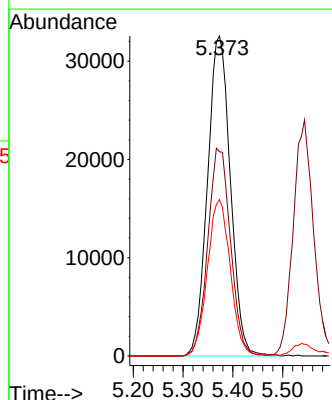
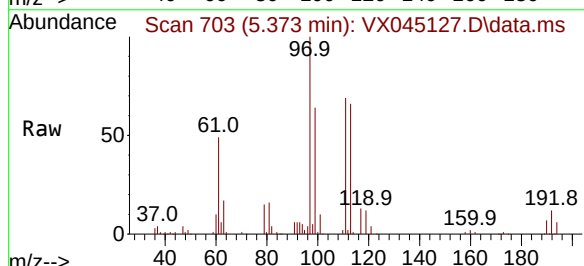
Tgt Ion: 97 Resp: 103689

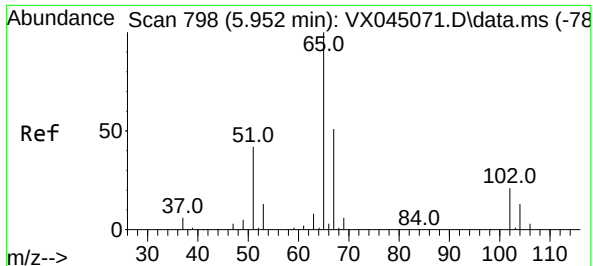
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 49.2 38.4 57.6





#33

1,2-Dichloroethane-d4

Concen: 46.738 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 8348

Ion Ratio Lower Upper

65 100

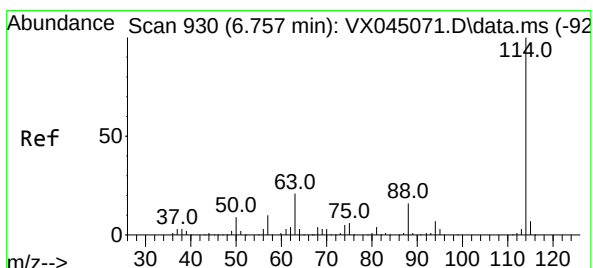
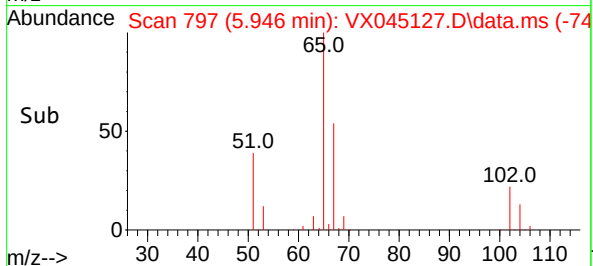
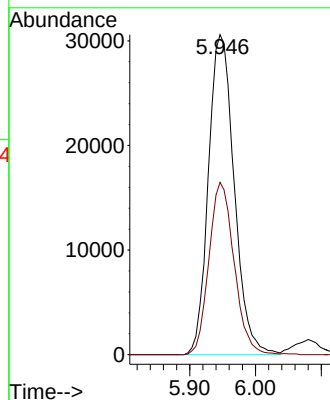
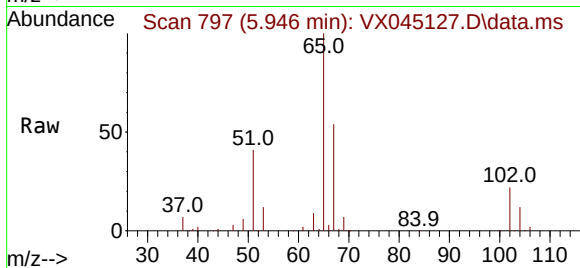
67 52.5 0.0 106.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

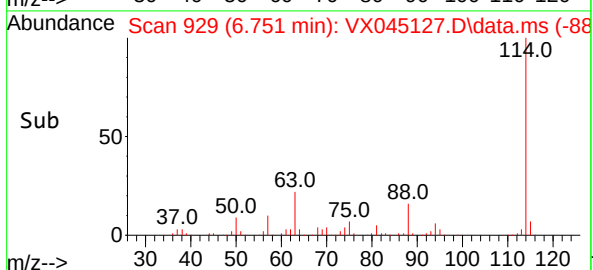
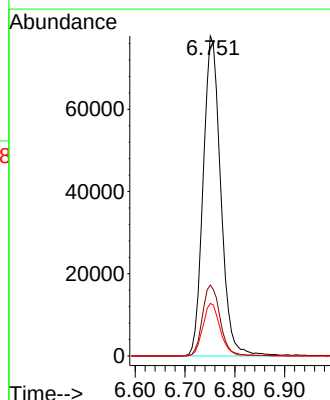
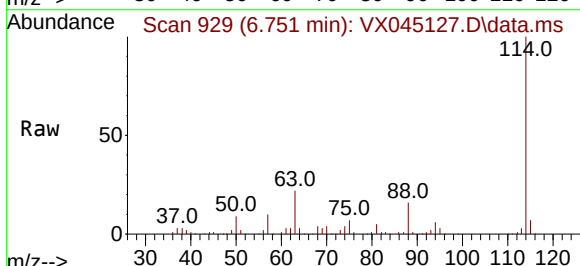
Tgt Ion:114 Resp: 190470

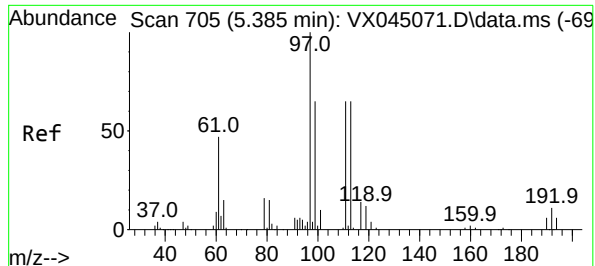
Ion Ratio Lower Upper

114 100

63 22.2 0.0 41.8

88 16.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.467 ug/l

RT: 5.373 min Scan# 705

Delta R.T. -0.012 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 65550

Ion Ratio Lower Upper

113 100

111 102.1 81.8 122.6

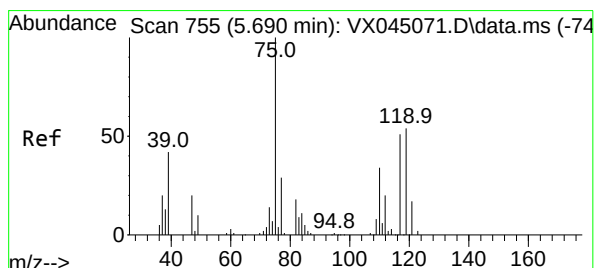
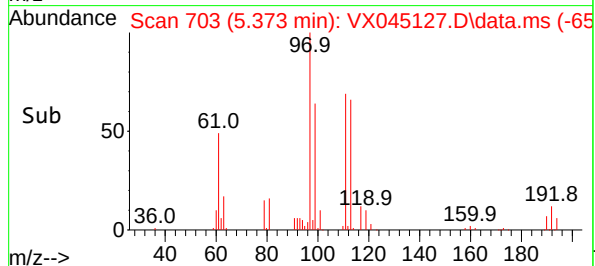
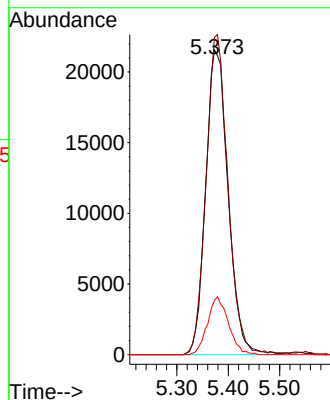
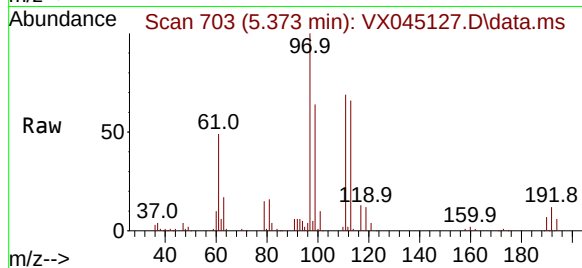
192 17.7 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#36

1,1-Dichloropropene

Concen: 49.270 ug/l

RT: 5.678 min Scan# 753

Delta R.T. -0.012 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

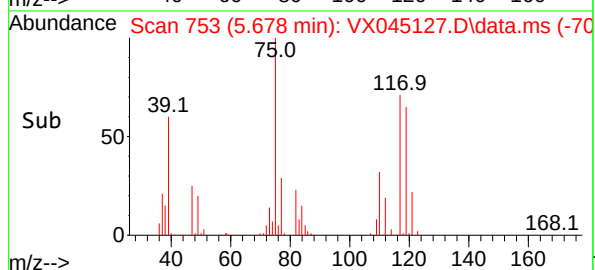
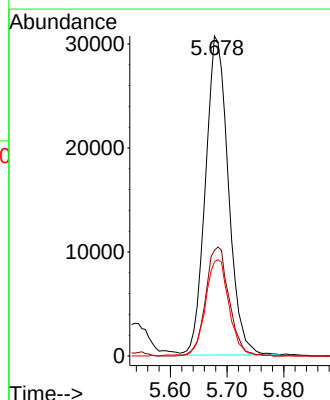
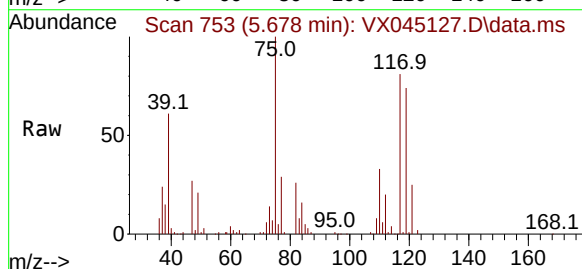
Tgt Ion: 75 Resp: 86057

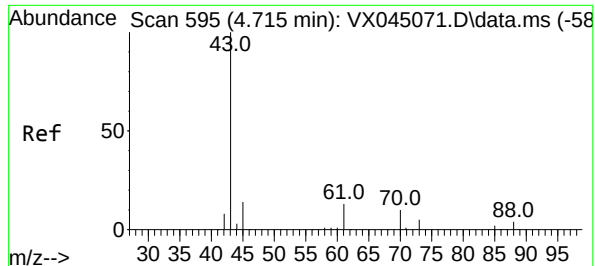
Ion Ratio Lower Upper

75 100

110 35.0 16.9 50.6

77 31.0 24.5 36.7





#37

Ethyl Acetate

Concen: 46.871 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 105492

Ion Ratio Lower Upper

43 100

61 13.2 10.8 16.2

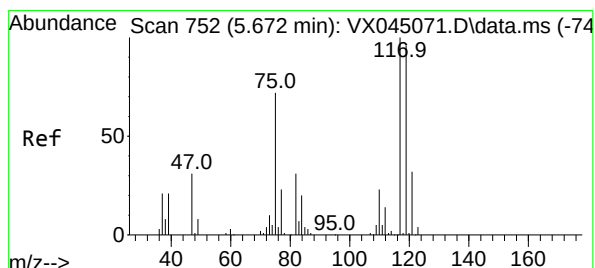
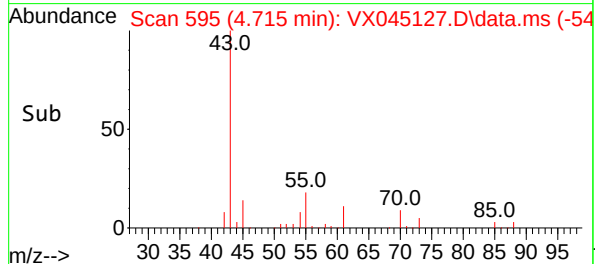
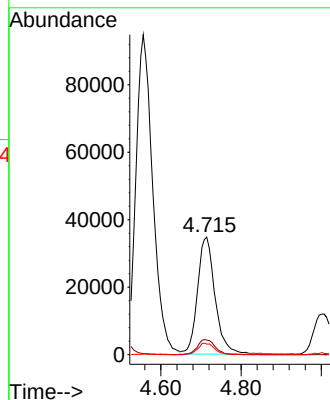
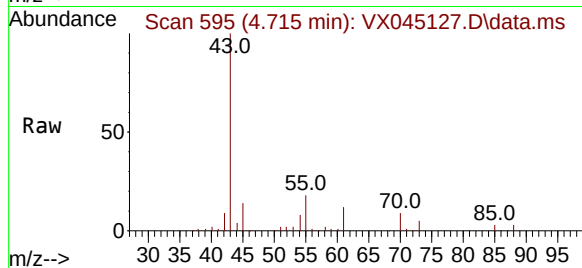
70 9.4 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#38

Carbon Tetrachloride

Concen: 49.086 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

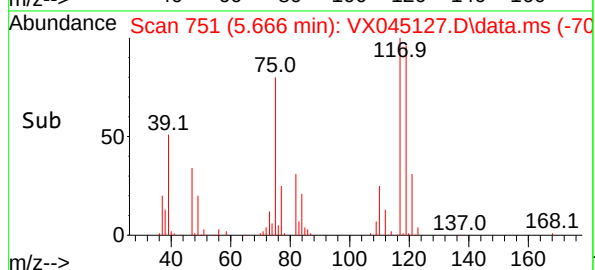
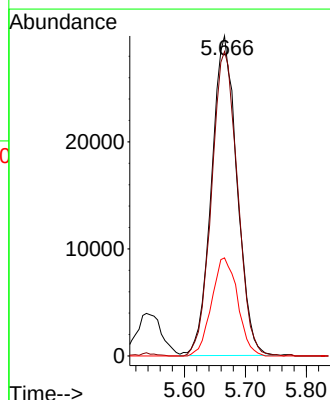
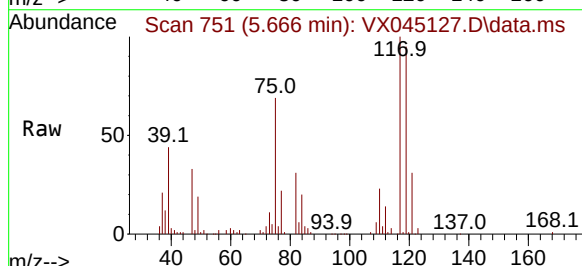
Tgt Ion:117 Resp: 87042

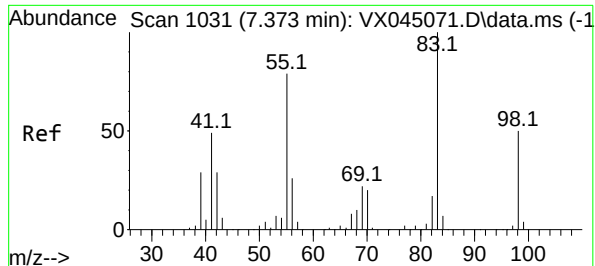
Ion Ratio Lower Upper

117 100

119 95.3 76.7 115.1

121 30.7 25.5 38.3





#39

Methylcyclohexane

Concen: 55.384 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 11591

Ion Ratio Lower Upper

83 100

55 76.4 63.0 94.4

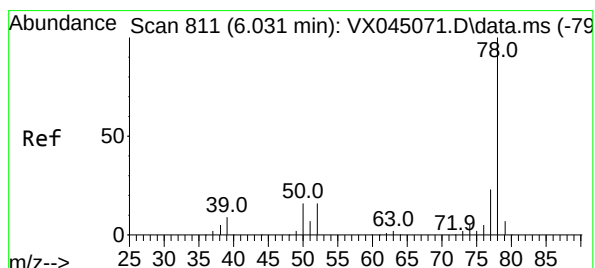
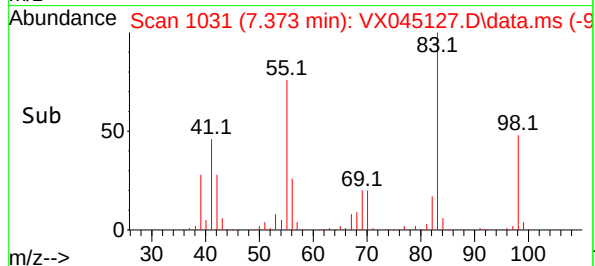
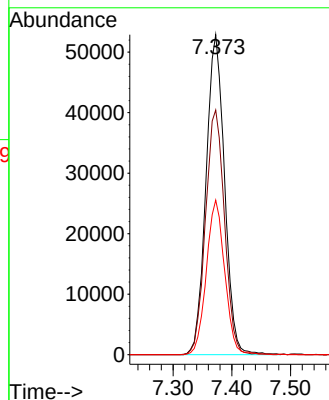
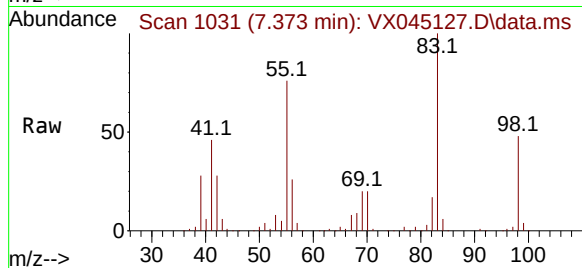
98 48.3 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#40

Benzene

Concen: 48.900 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX045127.D

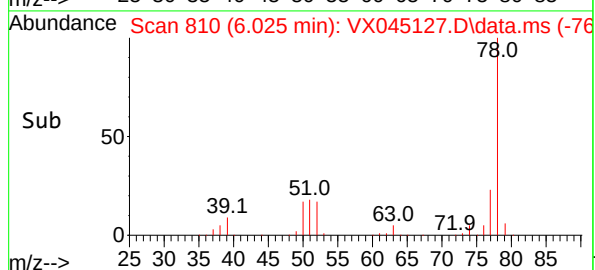
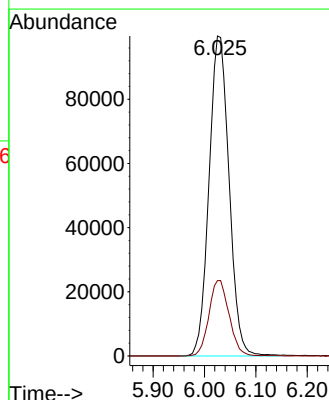
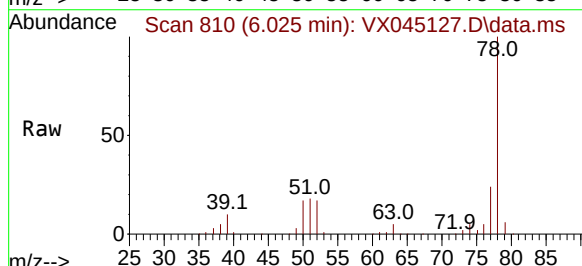
Acq: 05 Mar 2025 09:12

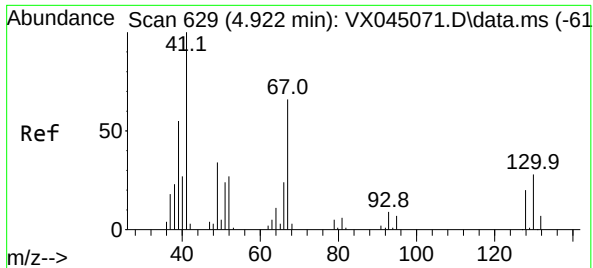
Tgt Ion: 78 Resp: 269708

Ion Ratio Lower Upper

78 100

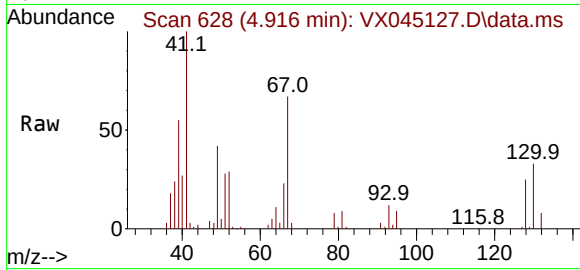
77 23.5 18.8 28.2





#41
Methacrylonitrile
Concen: 49.148 ug/l
RT: 4.916 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

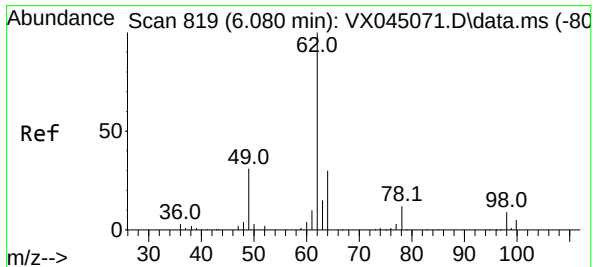
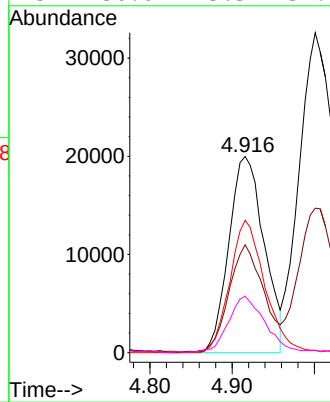
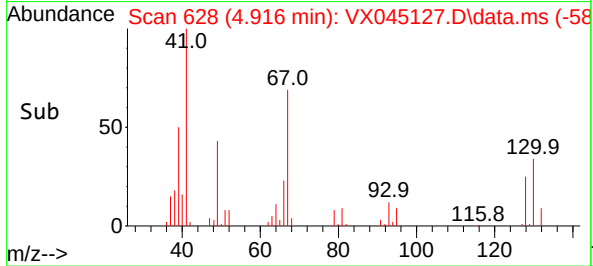
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 41 Resp: 59812
Ion Ratio Lower Upper
41 100
39 53.4 44.6 67.0
67 67.2 53.9 80.9
52 30.6 23.3 34.9

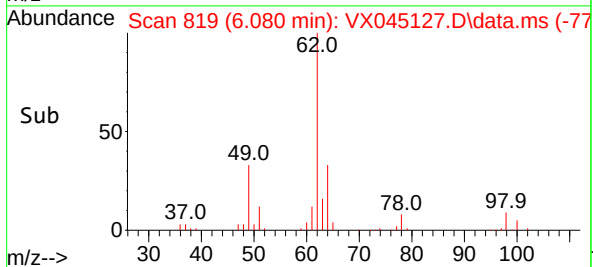
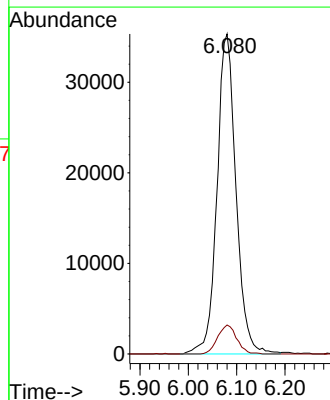
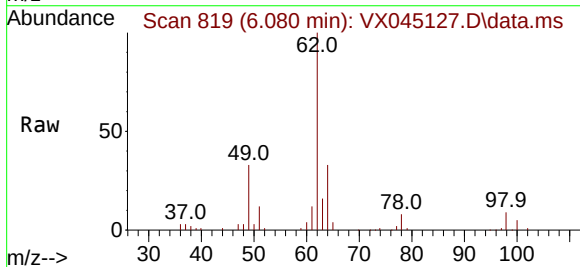
Manual Integrations
APPROVED

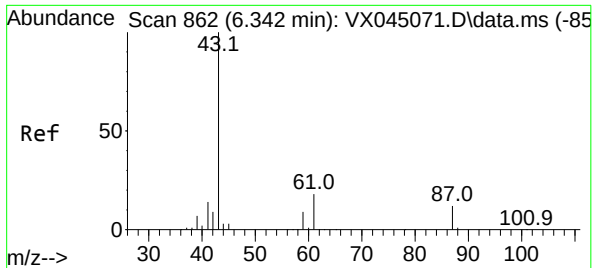
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#42
1,2-Dichloroethane
Concen: 48.518 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

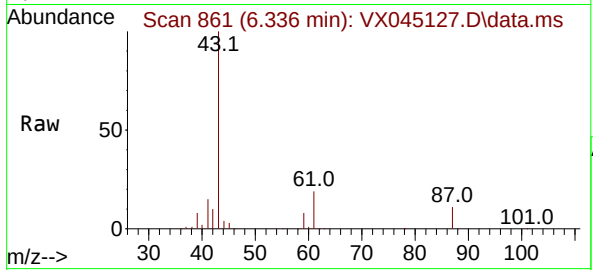
Tgt Ion: 62 Resp: 96363
Ion Ratio Lower Upper
62 100
98 9.1 0.0 18.2





#43
Isopropyl Acetate
Concen: 48.480 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

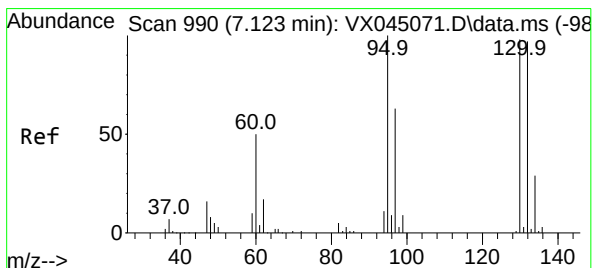
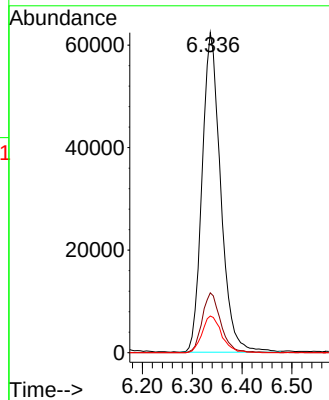
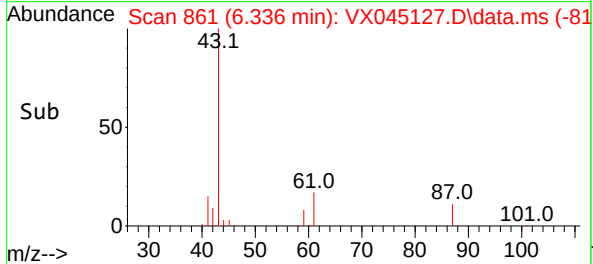
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 16134
Ion Ratio Lower Upper
43 100
61 18.8 14.9 22.3
87 12.0 9.4 14.2

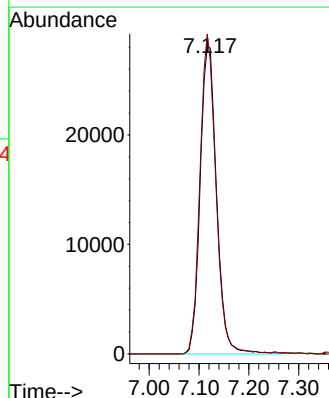
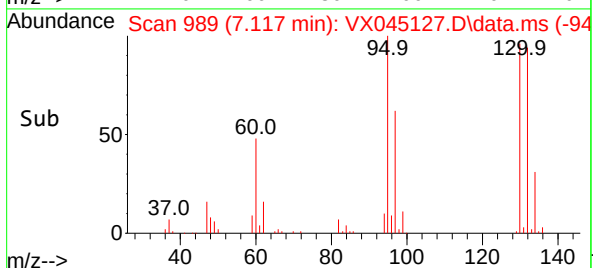
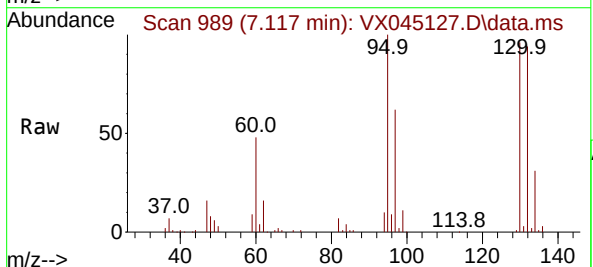
Manual Integrations
APPROVED

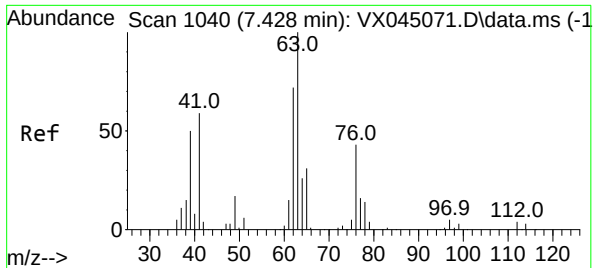
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#44
Trichloroethene
Concen: 49.759 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:130 Resp: 64443
Ion Ratio Lower Upper
130 100
95 104.0 0.0 205.0





#45

1,2-Dichloropropane

Concen: 47.629 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 6754

Ion Ratio Lower Upper

63 100

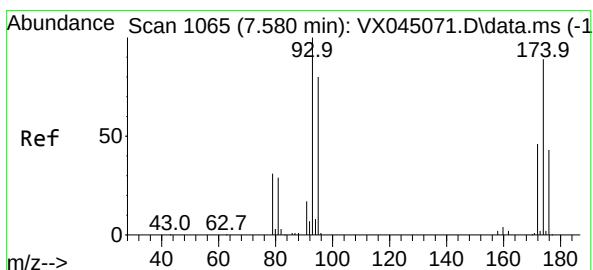
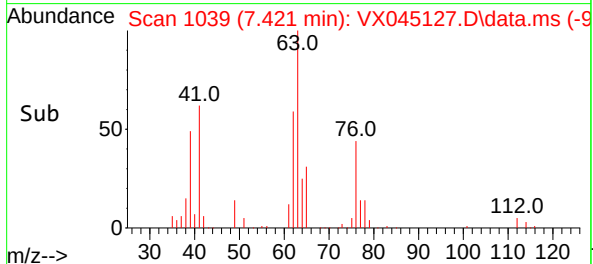
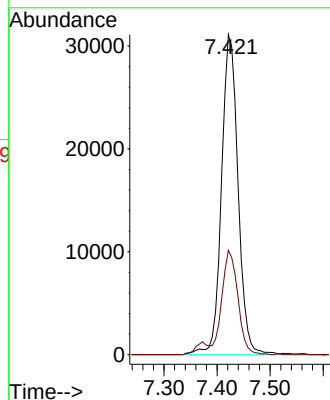
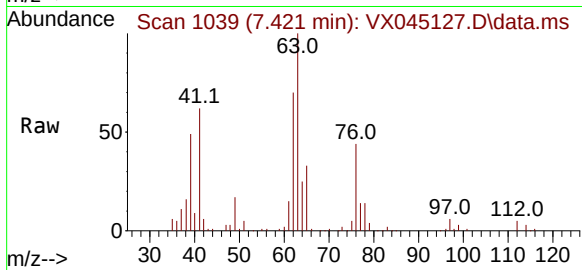
65 32.6 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#46

Dibromomethane

Concen: 48.429 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.006 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

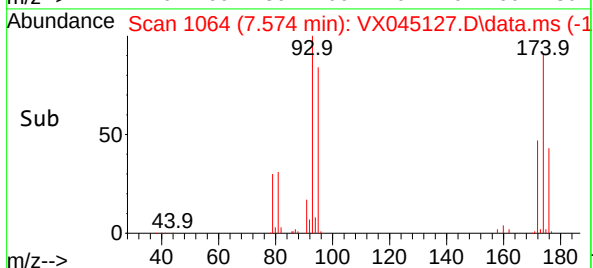
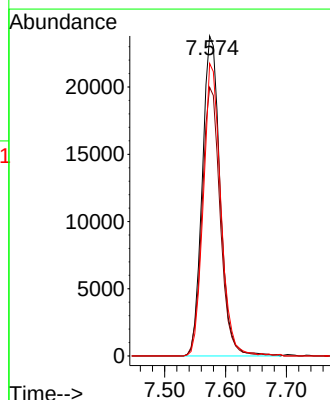
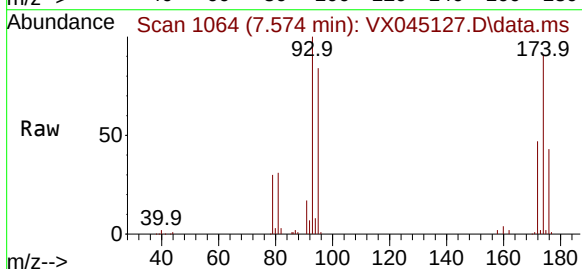
Tgt Ion: 93 Resp: 48542

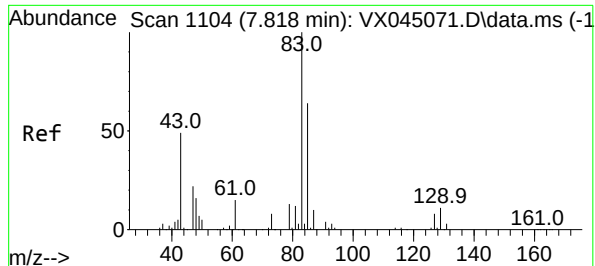
Ion Ratio Lower Upper

93 100

95 85.0 65.8 98.8

174 89.7 72.2 108.2





#47

Bromodichloromethane

Concen: 49.627 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 9756

Ion Ratio Lower Upper

83 100

85 64.3 51.1 76.7

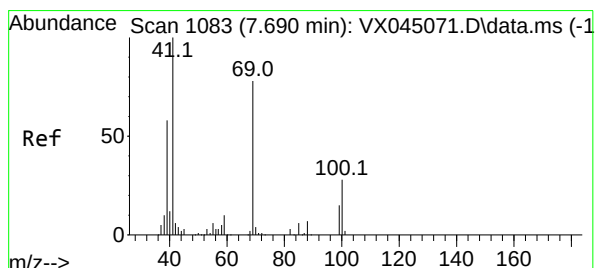
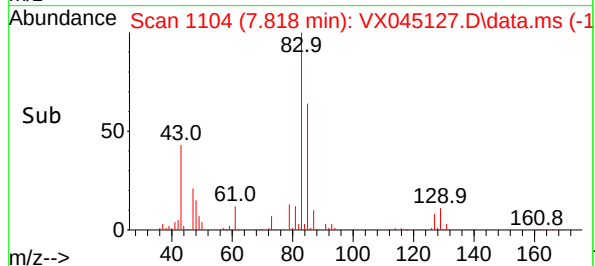
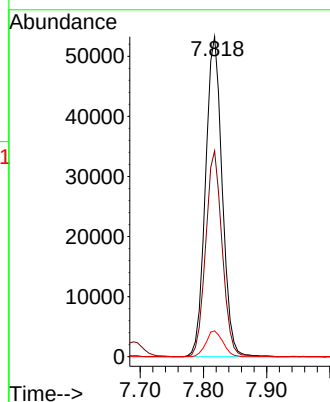
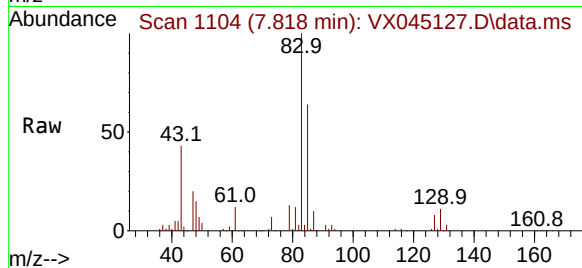
127 8.1 6.4 9.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#48

Methyl methacrylate

Concen: 48.288 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. -0.000 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

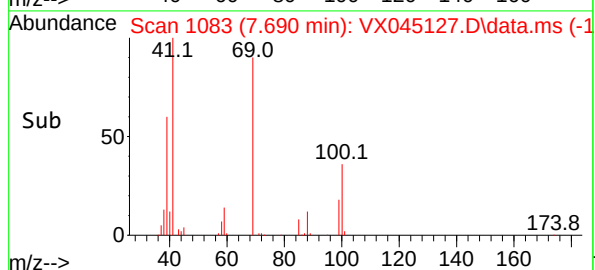
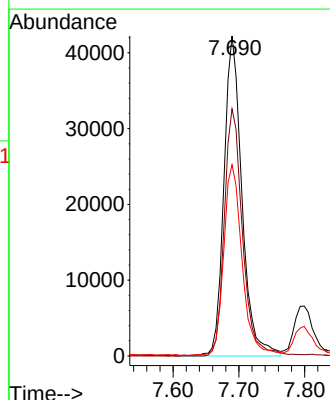
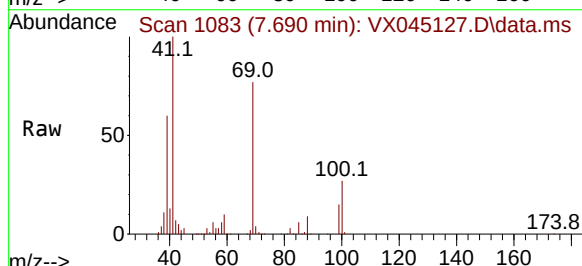
Tgt Ion: 41 Resp: 80625

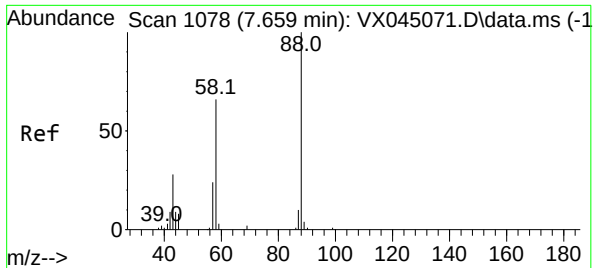
Ion Ratio Lower Upper

41 100

69 78.0 63.0 94.6

39 60.5 47.5 71.3





#49

1,4-Dioxane

Concen: 897.247 ug/l

RT: 7.665 min Scan# 110

Delta R.T. 0.006 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 3160

Ion Ratio Lower Upper

88 100

43 36.7 28.7 43.1

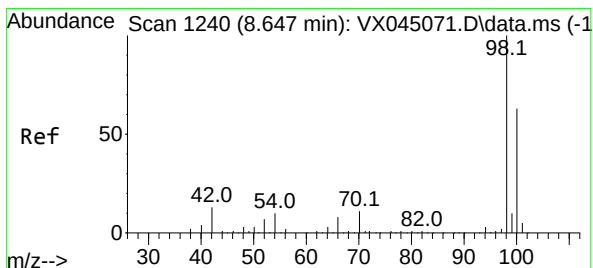
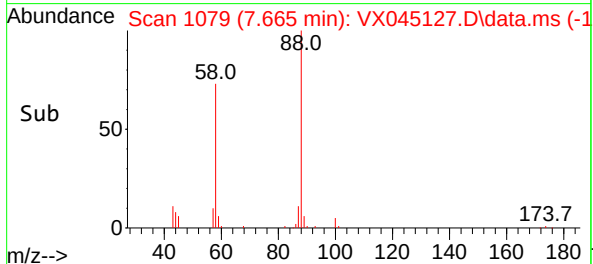
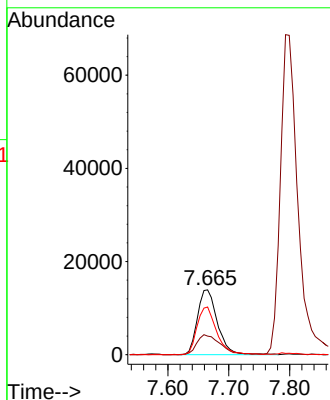
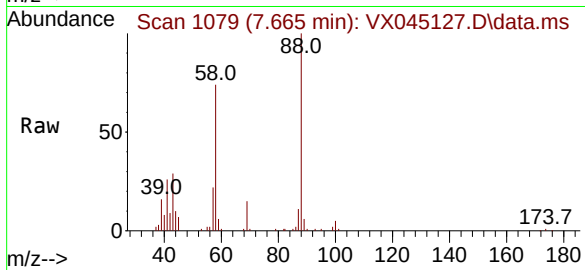
58 72.4 55.8 83.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#50

Toluene-d8

Concen: 50.704 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. -0.006 min

Lab File: VX045127.D

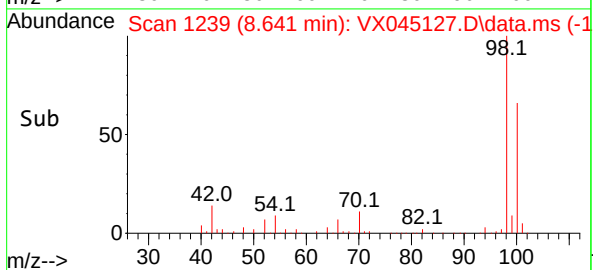
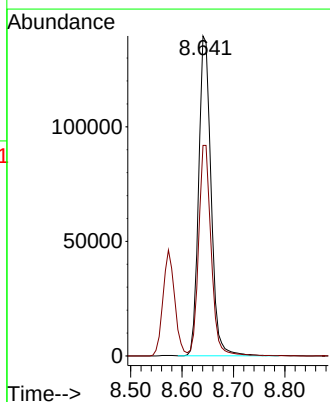
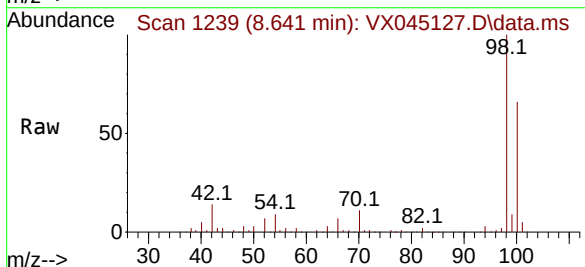
Acq: 05 Mar 2025 09:12

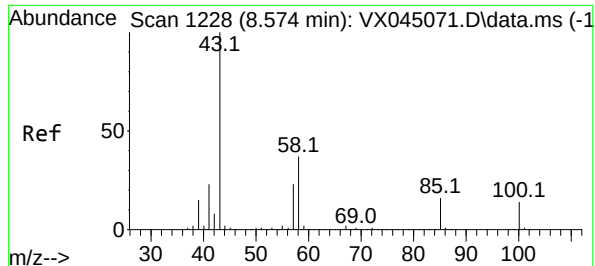
Tgt Ion: 98 Resp: 234119

Ion Ratio Lower Upper

98 100

100 66.2 52.0 78.0





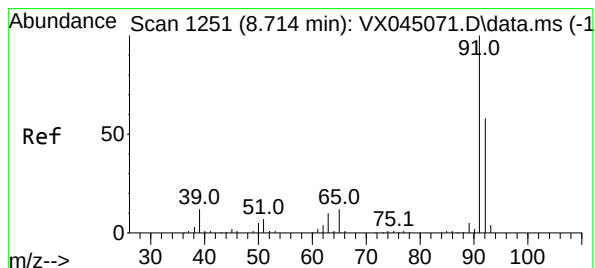
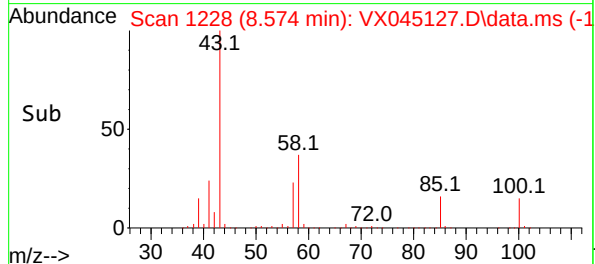
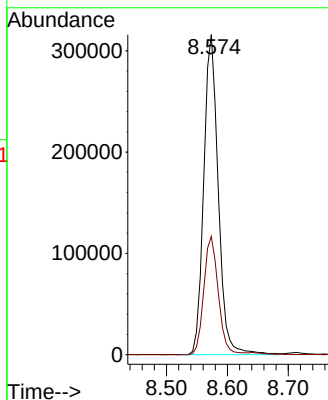
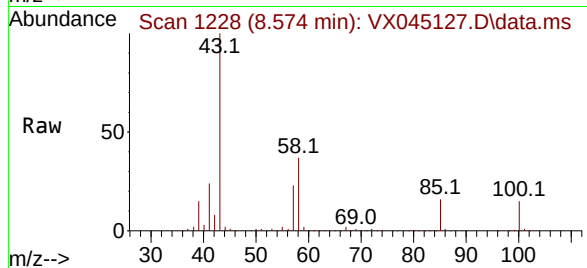
#51
4-Methyl-2-Pentanone
Concen: 234.470 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 523954
Ion Ratio Lower Upper
43 100
58 36.9 29.2 43.8

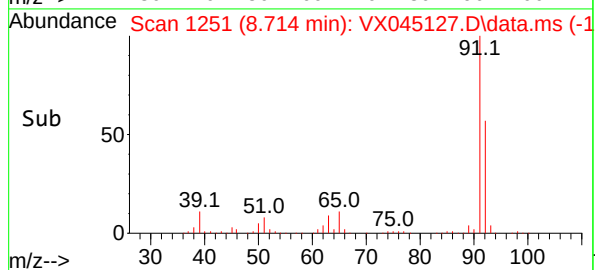
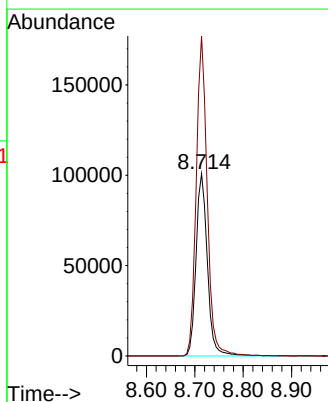
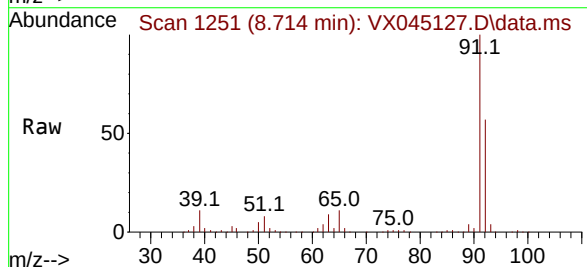
Manual Integrations
APPROVED

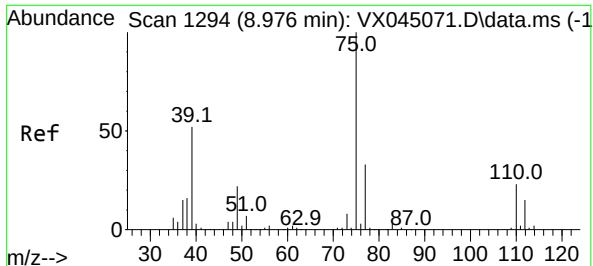
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#52
Toluene
Concen: 50.472 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 92 Resp: 163330
Ion Ratio Lower Upper
92 100
91 171.0 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 53.736 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 8832

Ion Ratio Lower Upper

75 100

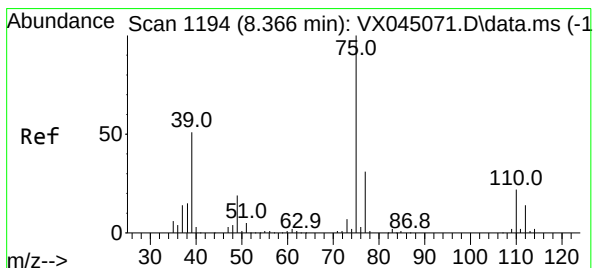
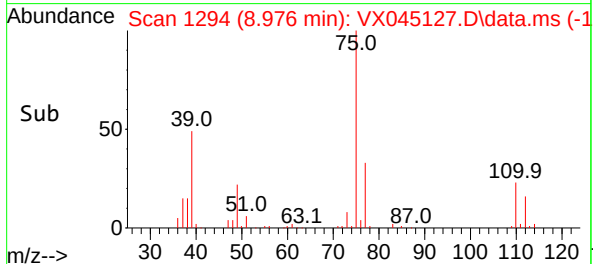
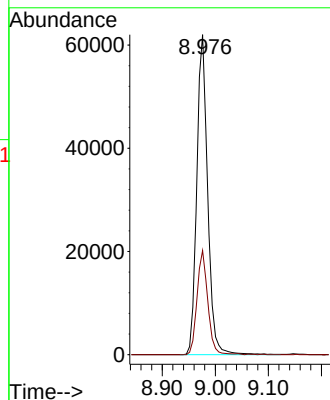
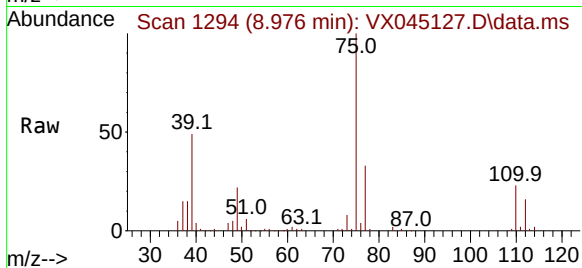
77 32.5 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#54

cis-1,3-Dichloropropene

Concen: 53.733 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.006 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

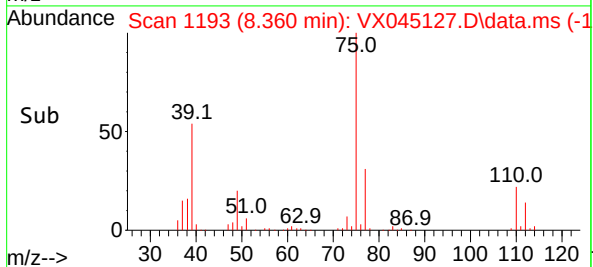
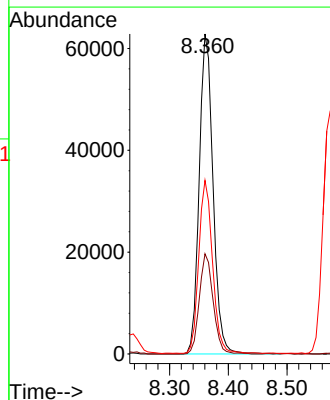
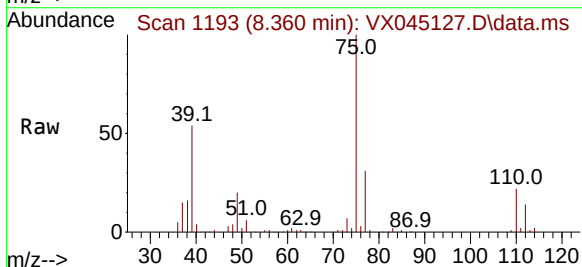
Tgt Ion: 75 Resp: 102986

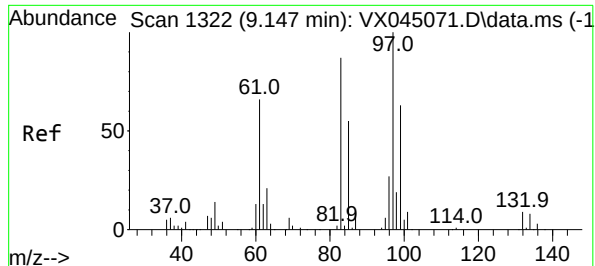
Ion Ratio Lower Upper

75 100

77 31.3 24.7 37.1

39 54.1 40.7 61.1





#55

1,1,2-Trichloroethane

Concen: 47.694 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 63538

Ion Ratio Lower Upper

97 100

83 91.5 69.4 104.2

85 58.4 44.1 66.1

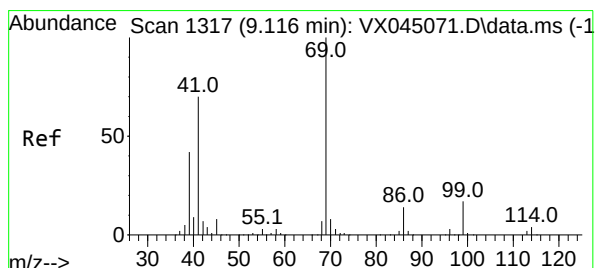
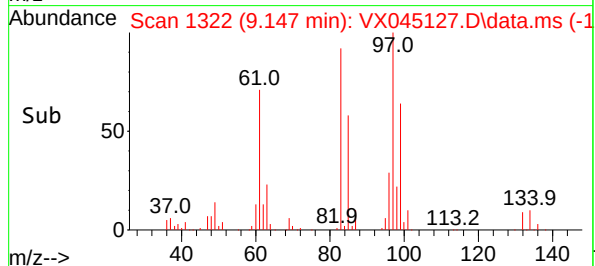
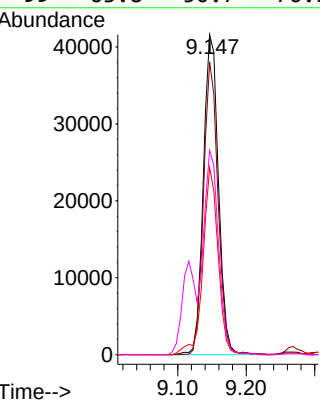
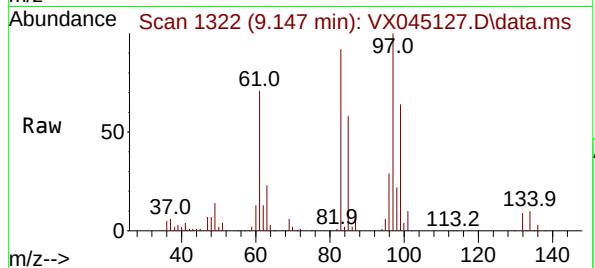
99 63.8 50.7 76.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#56

Ethyl methacrylate

Concen: 48.771 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

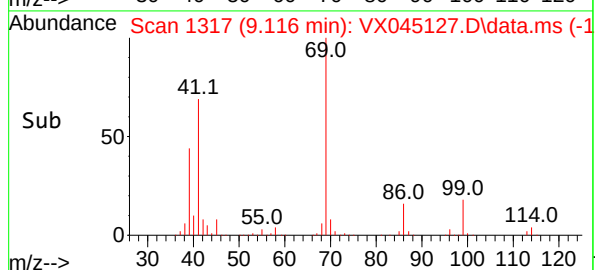
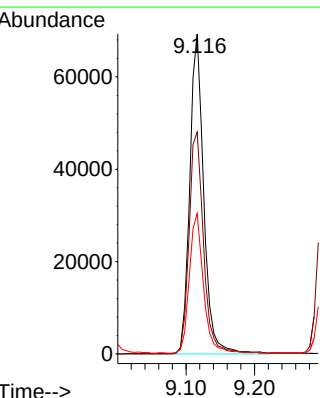
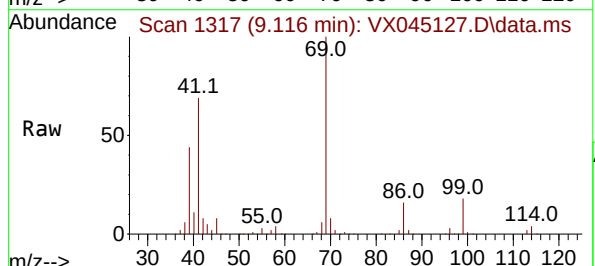
Tgt Ion: 69 Resp: 98764

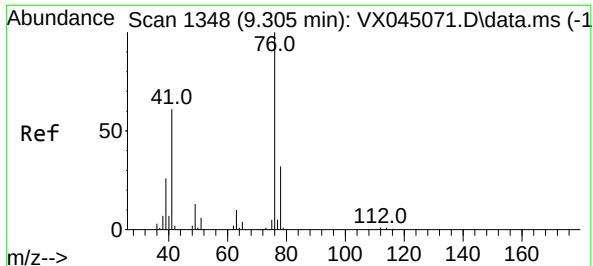
Ion Ratio Lower Upper

69 100

41 72.0 57.0 85.4

39 44.0 34.2 51.4





#57

1,3-Dichloropropane

Concen: 47.819 ug/l

RT: 9.305 min Scan# 11024

Delta R.T. -0.000 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 11024

Ion Ratio Lower Upper

76 100

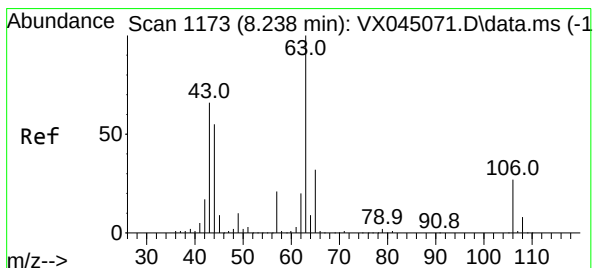
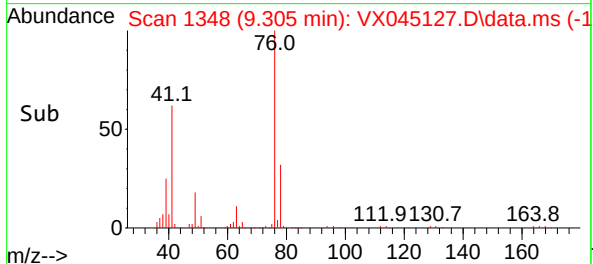
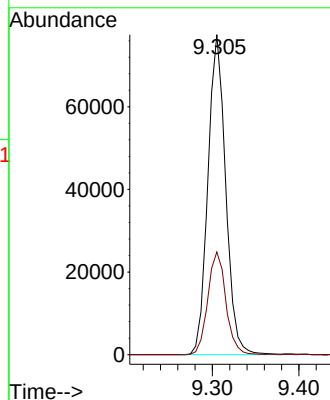
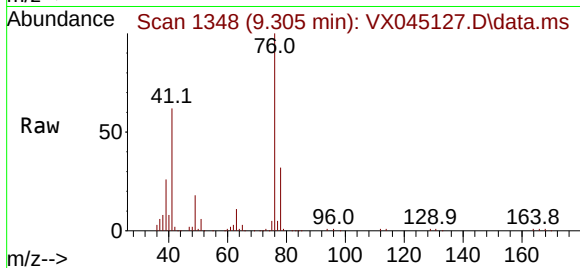
78 32.8 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#58

2-Chloroethyl Vinyl ether

Concen: 266.477 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX045127.D

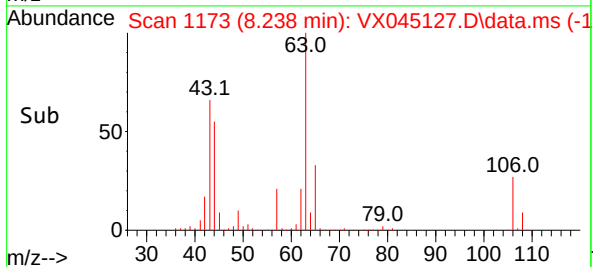
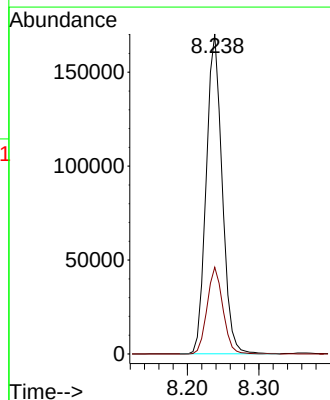
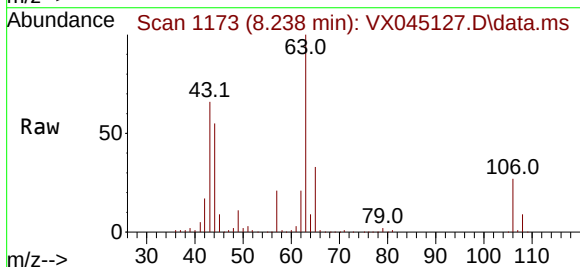
Acq: 05 Mar 2025 09:12

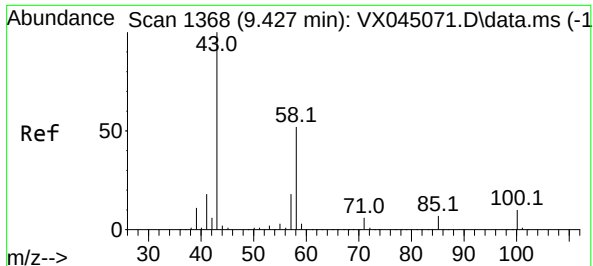
Tgt Ion: 63 Resp: 263234

Ion Ratio Lower Upper

63 100

106 26.9 21.5 32.3





#59

2-Hexanone

Concen: 237.763 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.000 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 384958

Ion Ratio Lower Upper

43 100

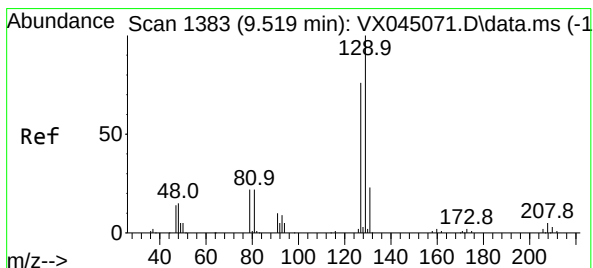
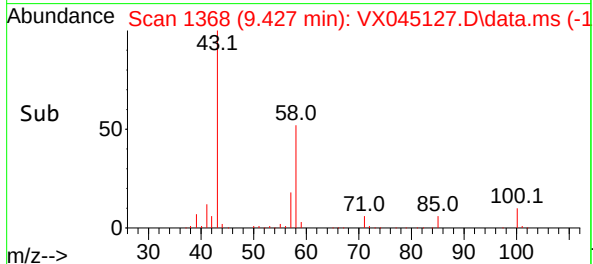
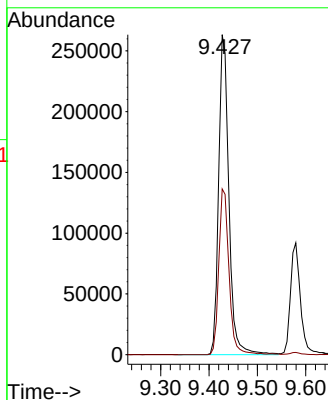
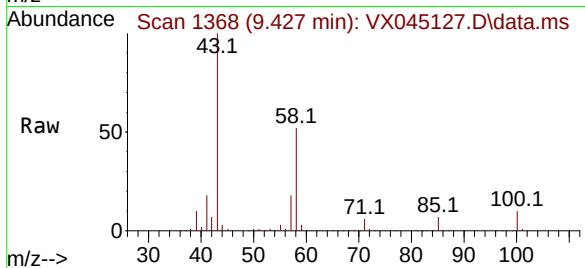
58 52.0 25.9 77.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#60

Dibromochloromethane

Concen: 51.202 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX045127.D

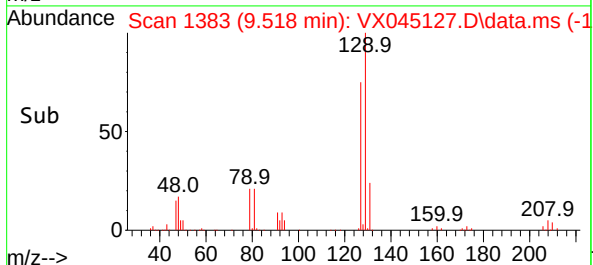
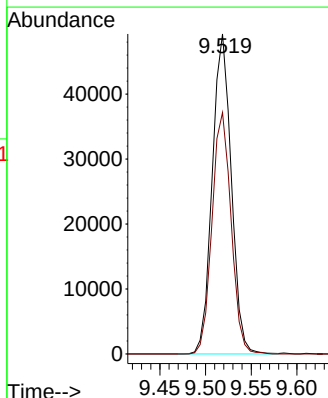
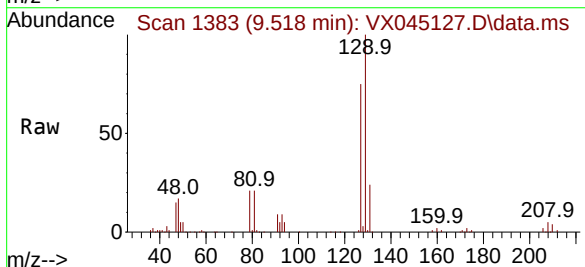
Acq: 05 Mar 2025 09:12

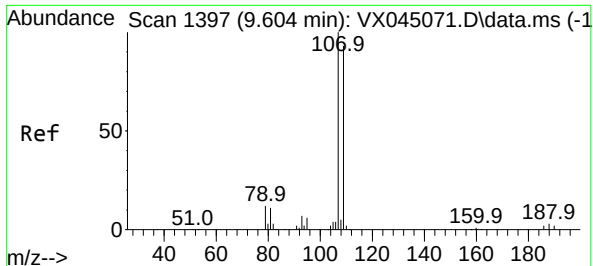
Tgt Ion:129 Resp: 71321

Ion Ratio Lower Upper

129 100

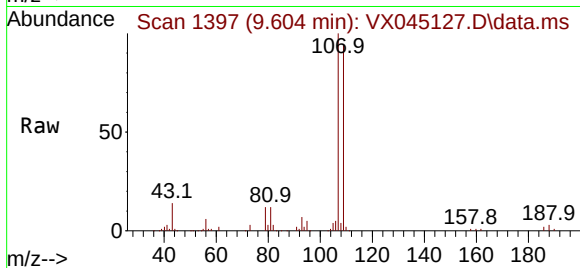
127 75.5 38.5 115.5





#61
1,2-Dibromoethane
Concen: 48.624 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

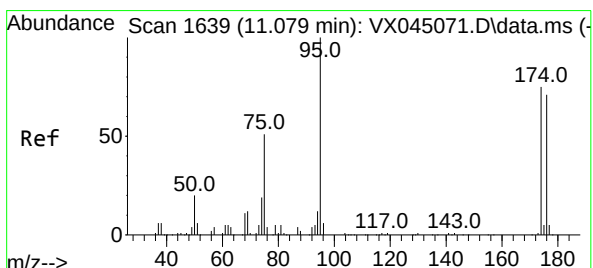
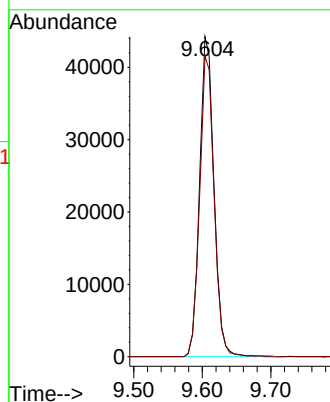
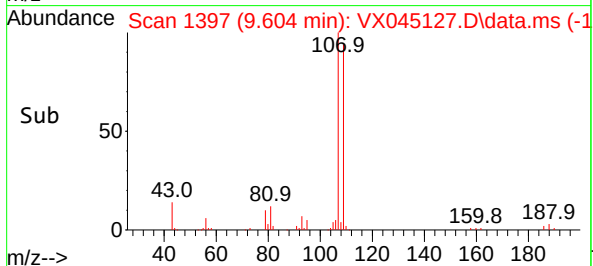
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:107 Resp: 6466
Ion Ratio Lower Upper
107 100
109 94.3 76.1 114.1

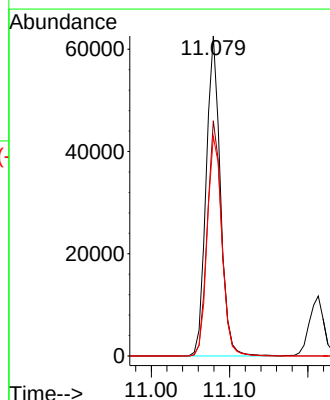
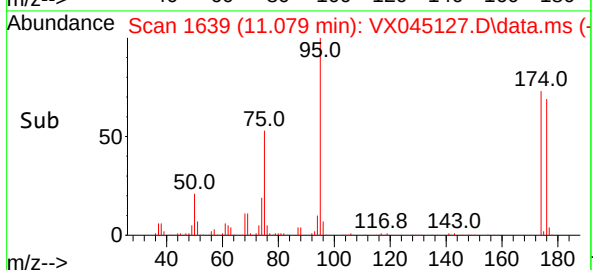
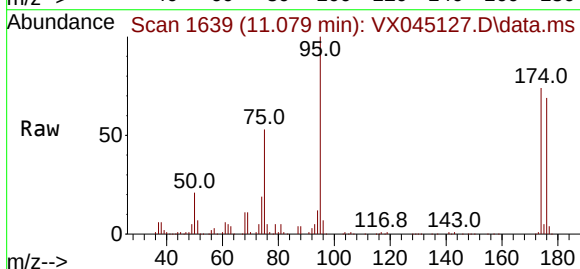
Manual Integrations
APPROVED

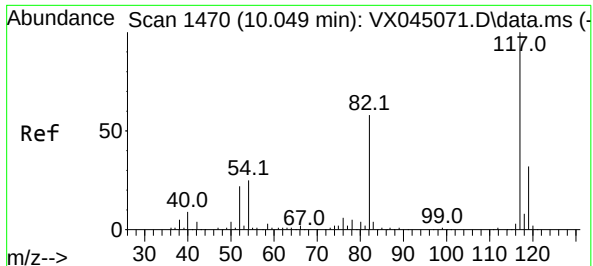
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#62
4-Bromofluorobenzene
Concen: 51.246 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

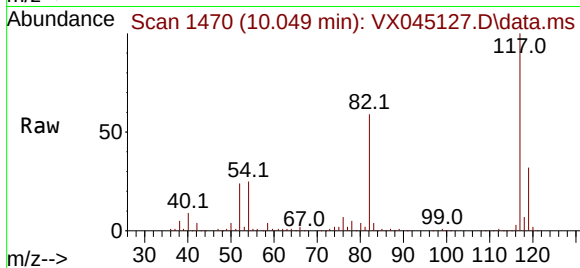
Tgt Ion: 95 Resp: 78409
Ion Ratio Lower Upper
95 100
174 74.7 0.0 148.2
176 71.1 0.0 141.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

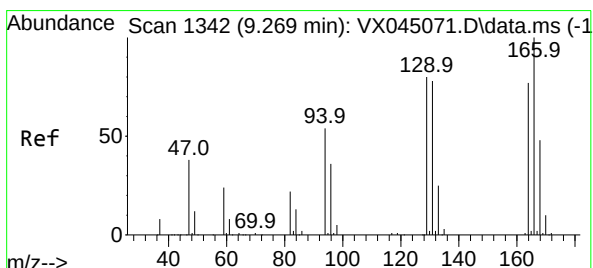
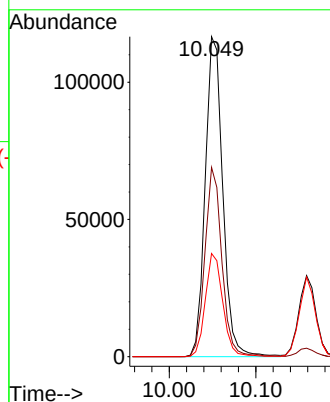
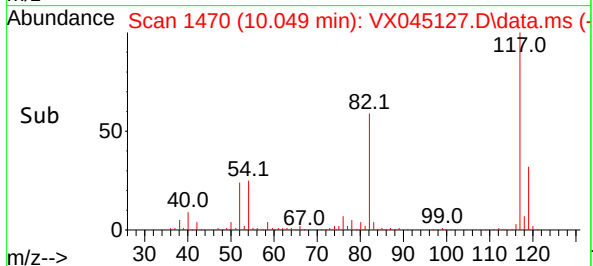
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:117 Resp: 16420
Ion Ratio Lower Upper
117 100
82 59.1 46.3 69.5
119 32.3 25.7 38.5

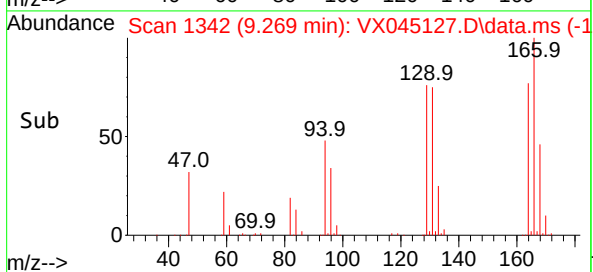
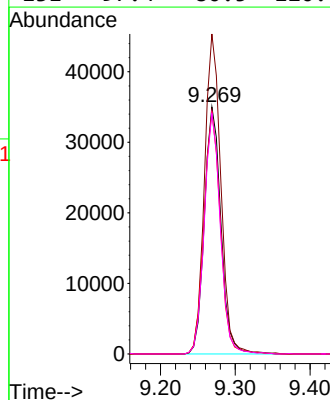
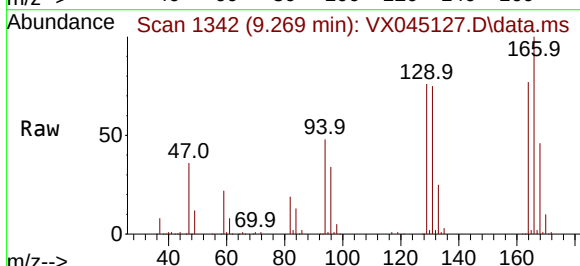
Manual Integrations
APPROVED

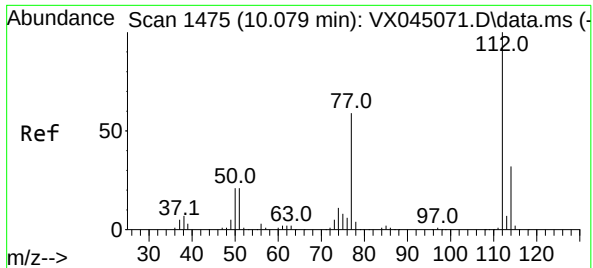
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#64
Tetrachloroethene
Concen: 51.190 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

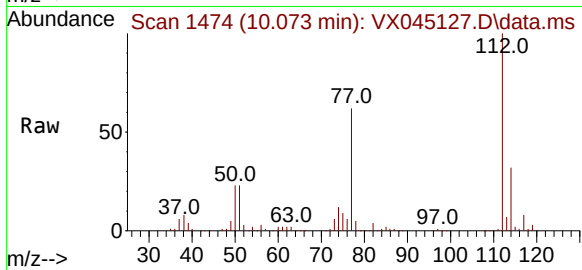
Tgt Ion:164 Resp: 53835
Ion Ratio Lower Upper
164 100
166 129.5 103.6 155.4
129 98.2 82.7 124.1
131 97.4 80.5 120.7





#65
Chlorobenzene
Concen: 49.344 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

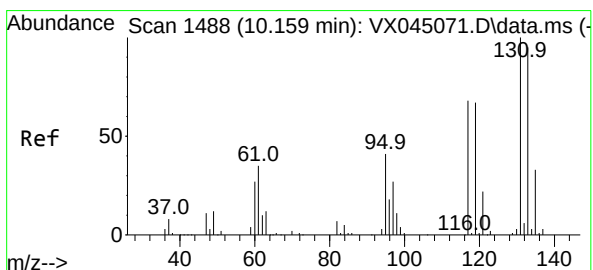
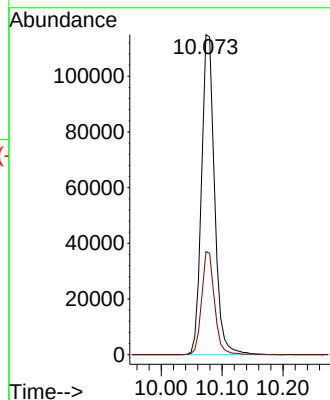
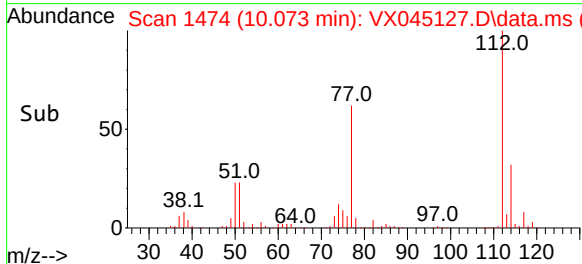
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:112 Resp: 171449
Ion Ratio Lower Upper
112 100
114 32.2 26.0 39.0

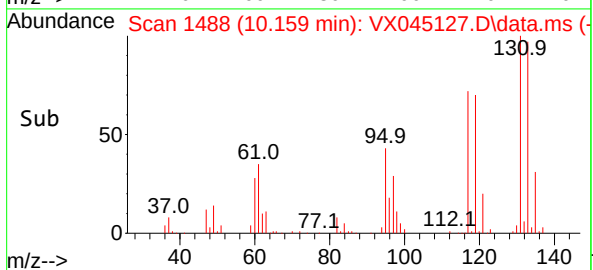
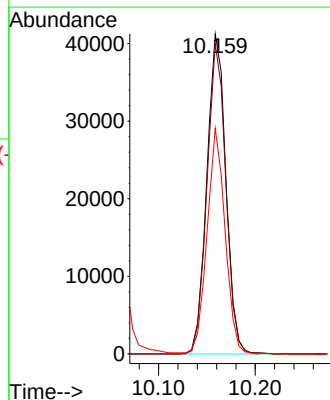
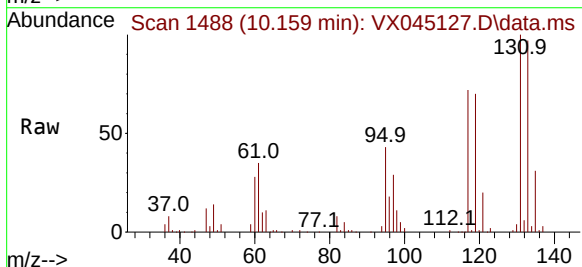
Manual Integrations
APPROVED

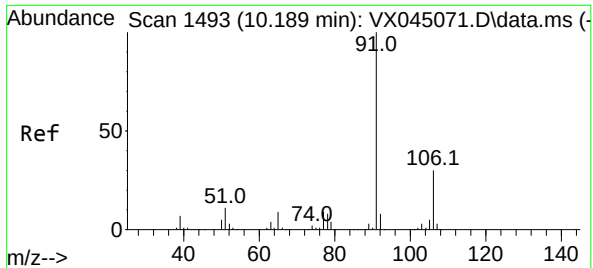
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 48.866 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

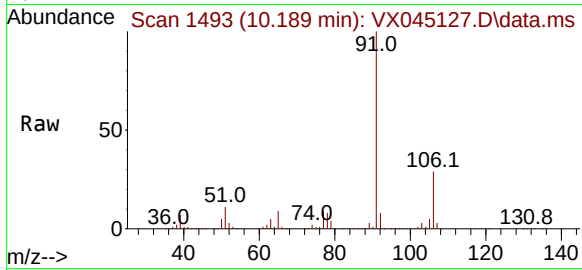
Tgt Ion:131 Resp: 56543
Ion Ratio Lower Upper
131 100
133 95.7 48.6 145.9
119 67.0 33.9 101.7





#67
Ethyl Benzene
Concen: 50.920 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

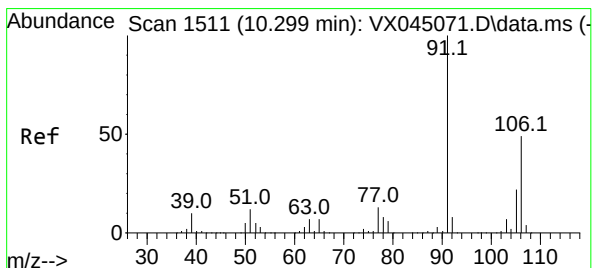
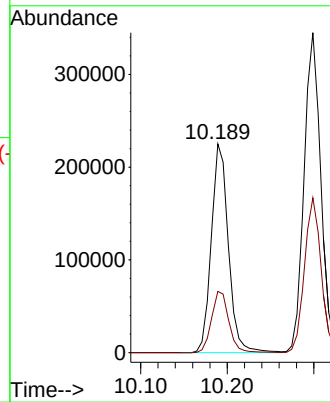
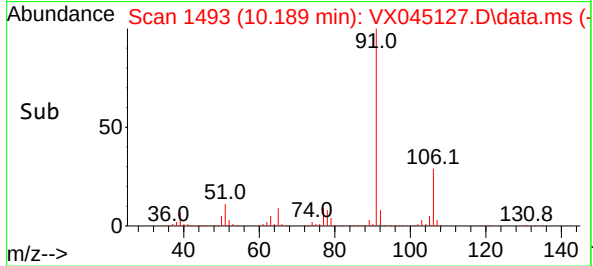
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



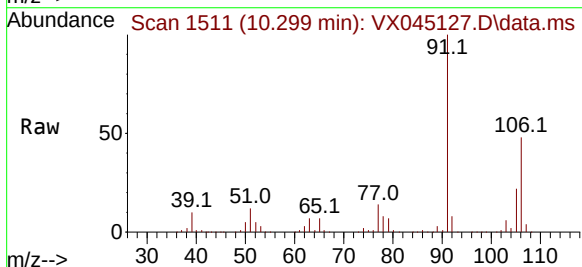
Tgt Ion: 91 Resp: 30828
Ion Ratio Lower Upper
91 100
106 29.4 23.9 35.9

Manual Integrations
APPROVED

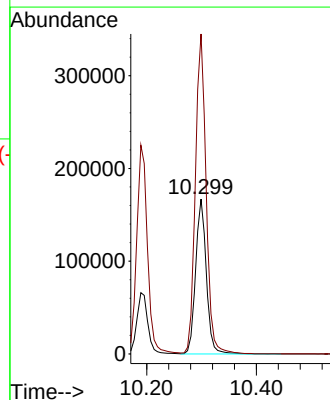
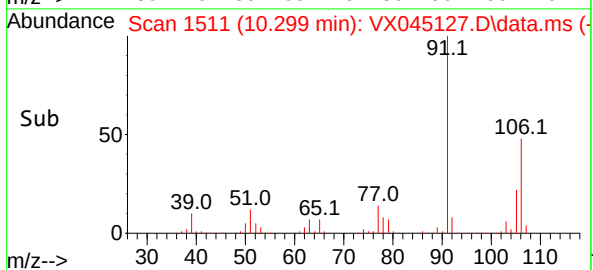
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

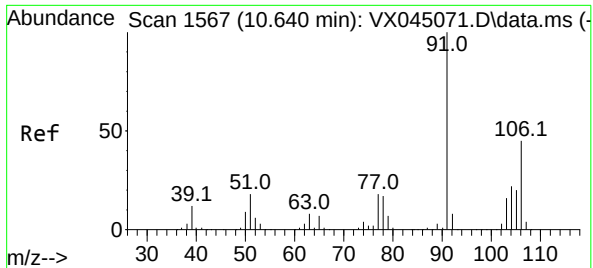


#68
m/p-Xylenes
Concen: 102.932 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12



Tgt Ion:106 Resp: 228130
Ion Ratio Lower Upper
106 100
91 206.7 165.4 248.0





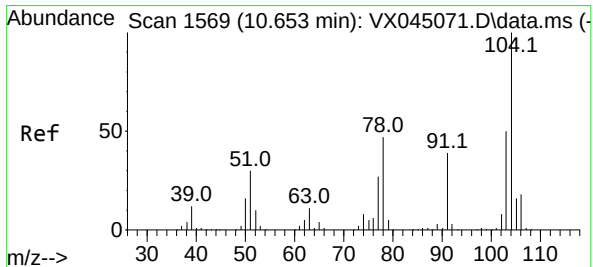
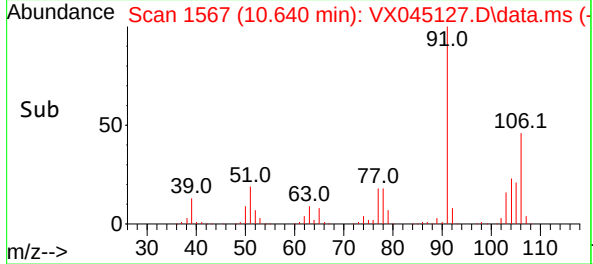
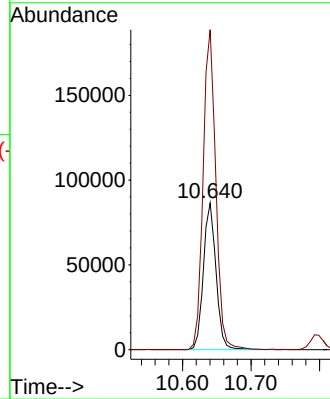
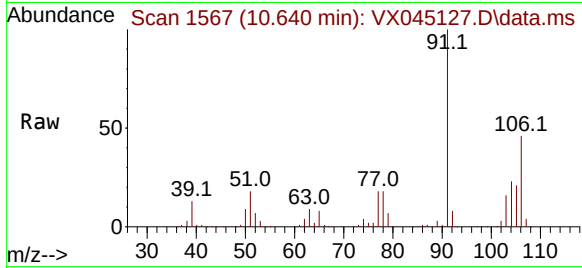
#69
o-Xylene
Concen: 49.692 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 111070
Ion Ratio Lower Upper
106 100
91 218.6 109.9 329.6

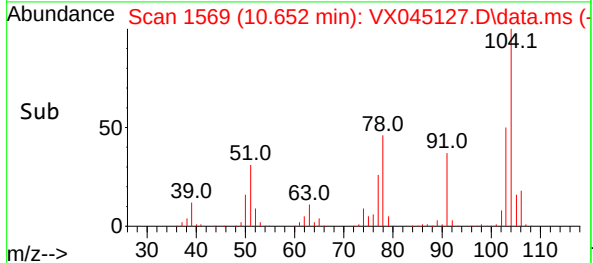
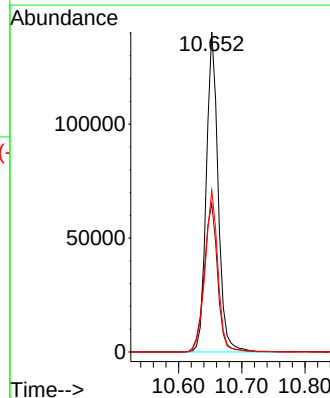
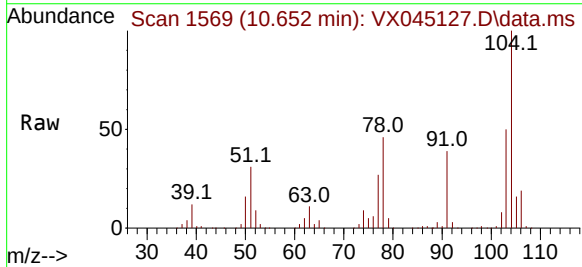
Manual Integrations
APPROVED

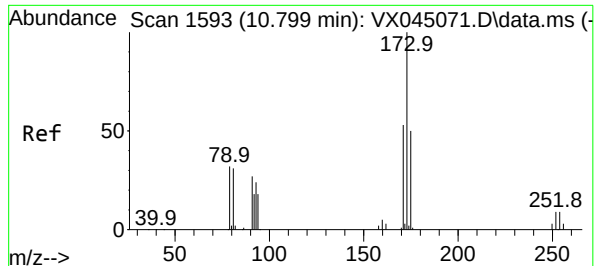
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#70
Styrene
Concen: 50.763 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:104 Resp: 183603
Ion Ratio Lower Upper
104 100
78 52.8 42.2 63.4
103 54.9 43.8 65.8





#71

Bromoform

Concen: 51.176 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 44654

Ion Ratio Lower Upper

173 100

175 48.1 24.6 73.6

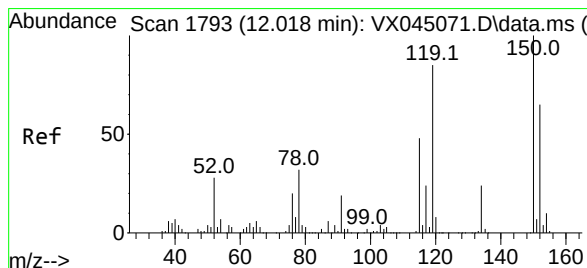
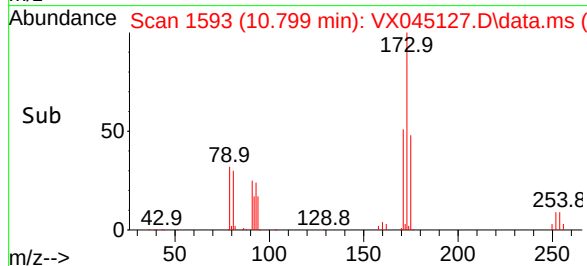
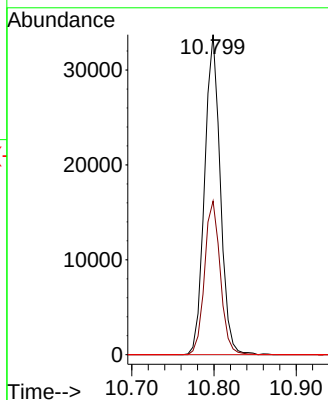
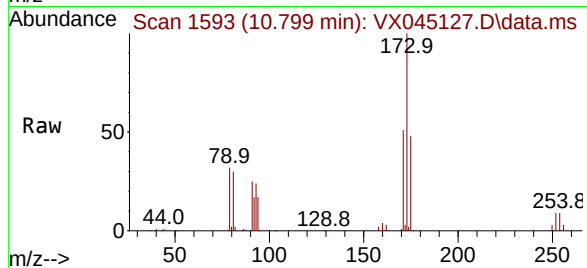
254 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

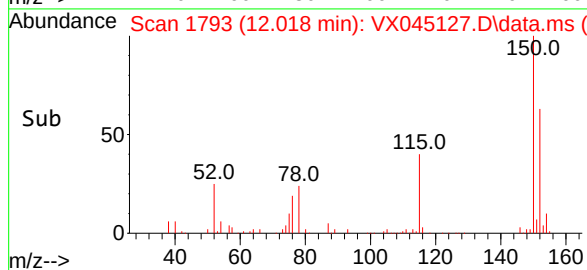
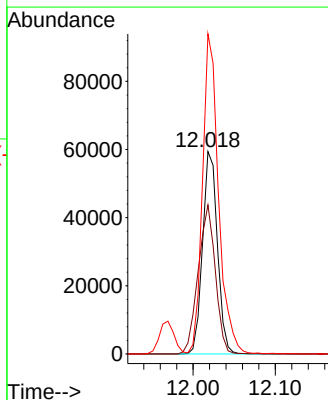
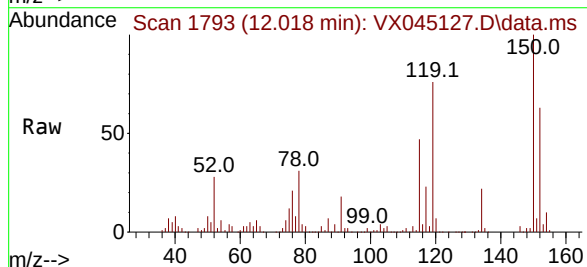
Tgt Ion:152 Resp: 74481

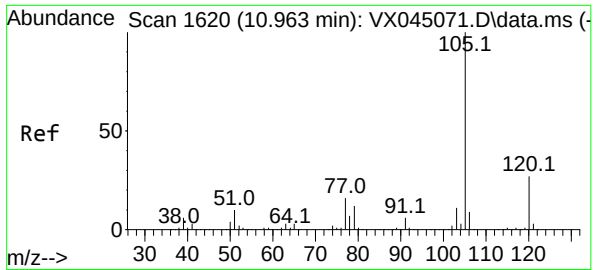
Ion Ratio Lower Upper

152 100

115 85.2 44.2 132.6

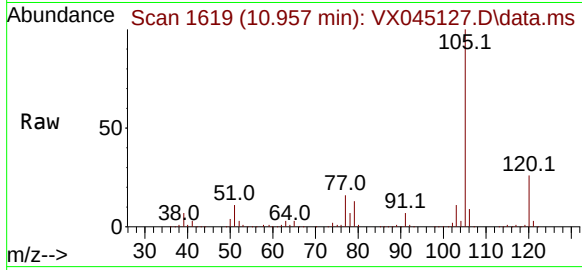
150 170.7 0.0 349.0





#73
Isopropylbenzene
Concen: 49.882 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

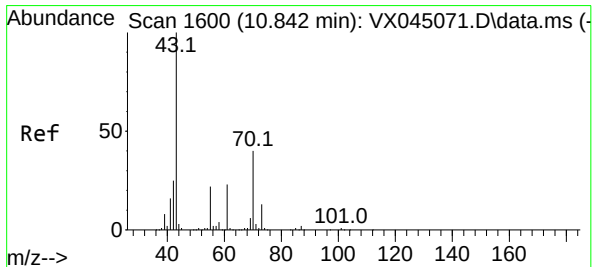
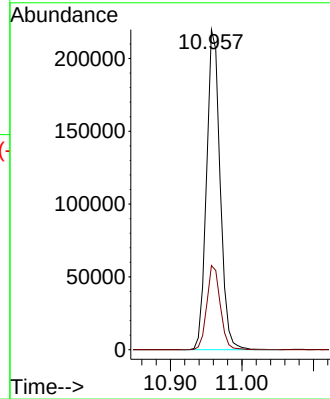
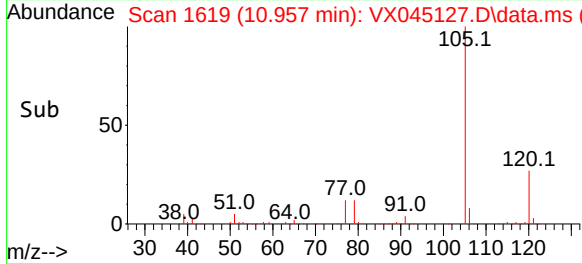
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



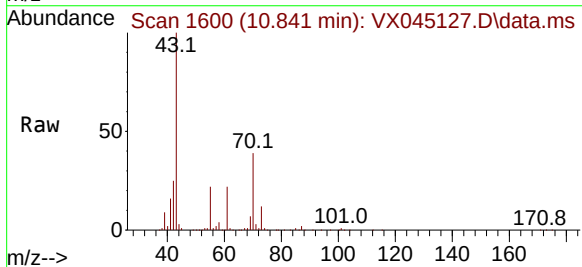
Tgt Ion:105 Resp: 289980
Ion Ratio Lower Upper
105 100
120 26.1 13.2 39.5

Manual Integrations
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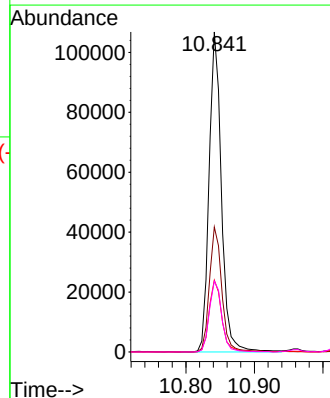
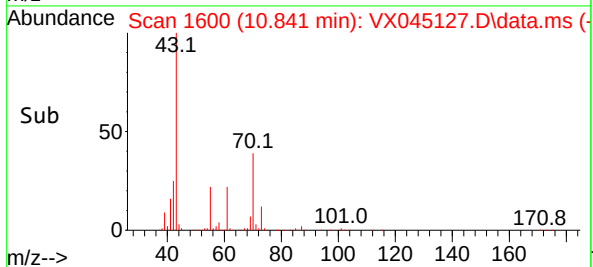
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

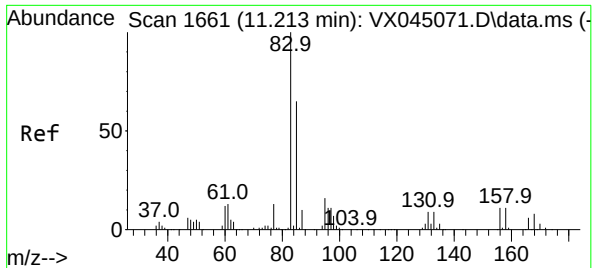


#74
N-ethyl acetate
Concen: 49.015 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12



Tgt Ion: 43 Resp: 133706
Ion Ratio Lower Upper
43 100
70 39.3 31.8 47.6
55 22.9 18.3 27.5
61 22.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 45.510 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 9708

Ion Ratio Lower Upper

83 100

131 9.2 4.5 13.4

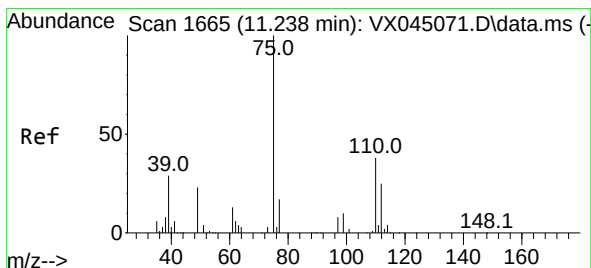
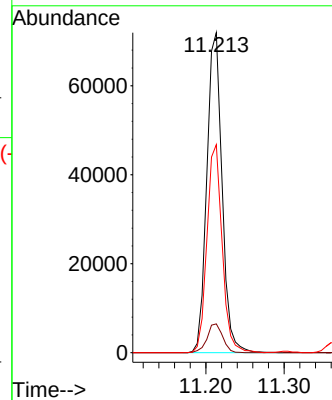
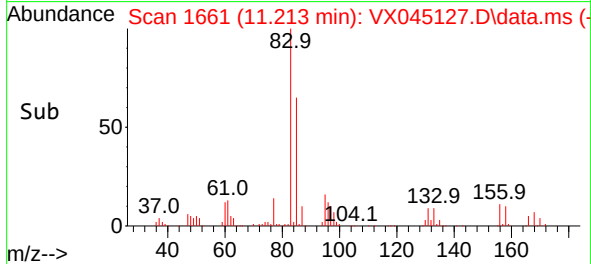
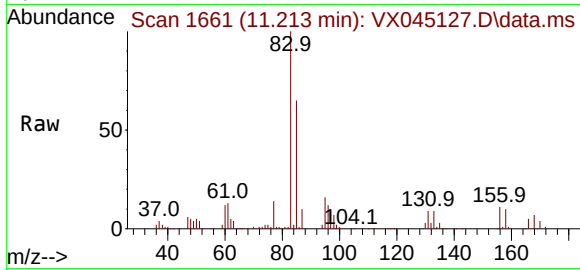
85 64.8 31.7 95.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#76

1,2,3-Trichloropropane

Concen: 44.663 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX045127.D

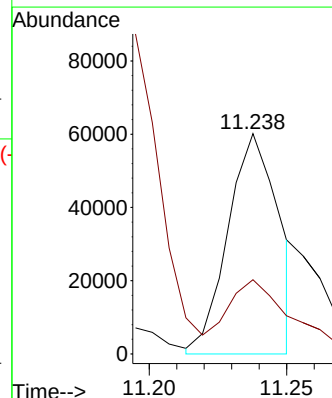
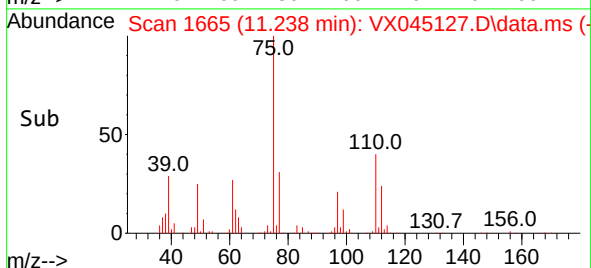
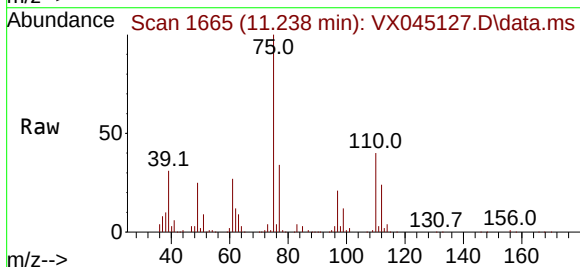
Acq: 05 Mar 2025 09:12

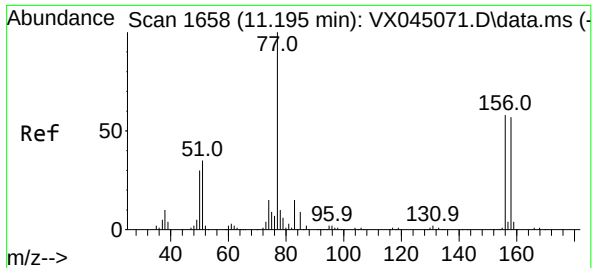
Tgt Ion: 75 Resp: 77426

Ion Ratio Lower Upper

75 100

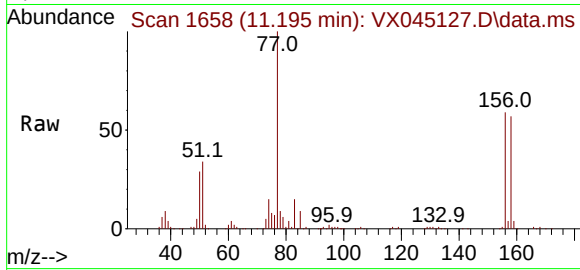
77 43.0 20.7 62.1





#77
Bromobenzene
Concen: 48.083 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

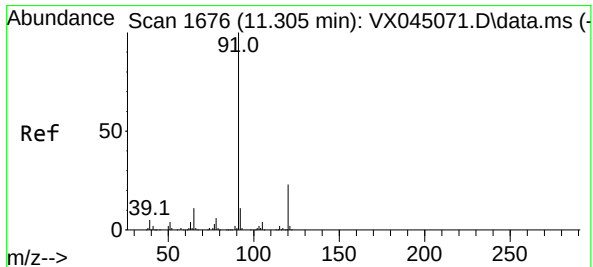
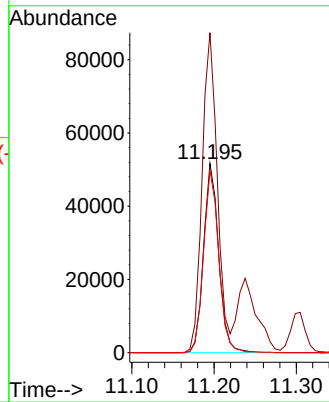
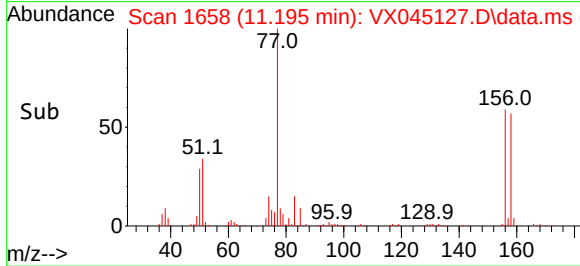
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:156 Resp: 65952
Ion Ratio Lower Upper
156 100
77 169.8 85.8 257.4
158 97.1 48.4 145.2

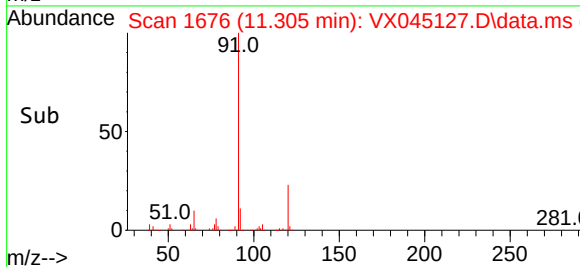
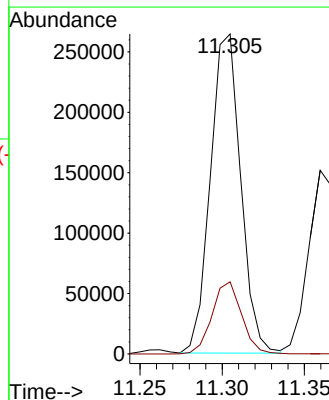
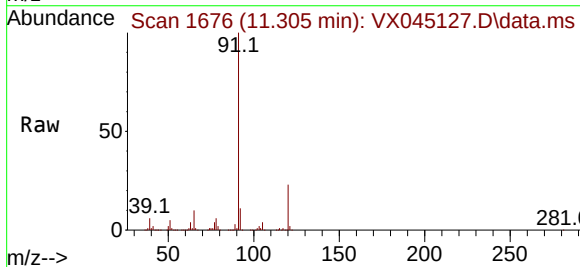
Manual Integrations
APPROVED

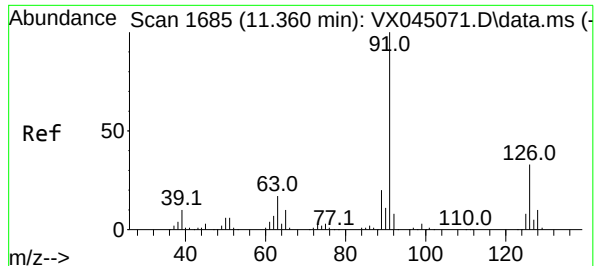
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#78
n-propylbenzene
Concen: 51.552 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion: 91 Resp: 338544
Ion Ratio Lower Upper
91 100
120 22.0 11.2 33.6





#79

2-Chlorotoluene

Concen: 47.083 ug/l

RT: 11.360 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 19691

Ion Ratio Lower Upper

91 100

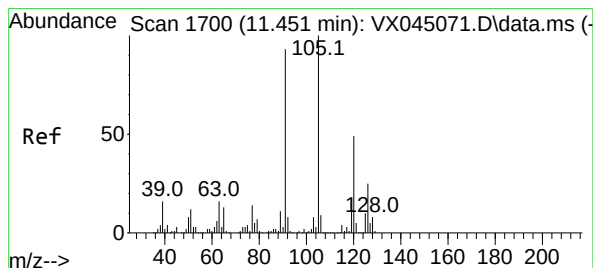
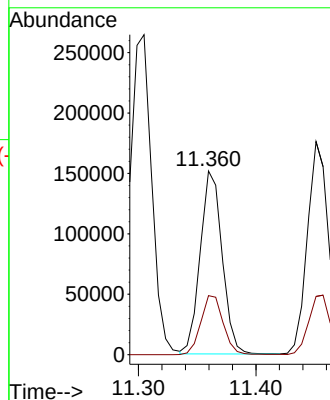
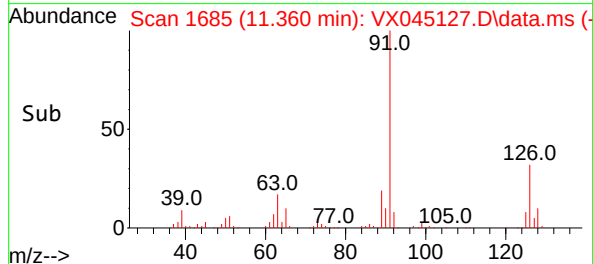
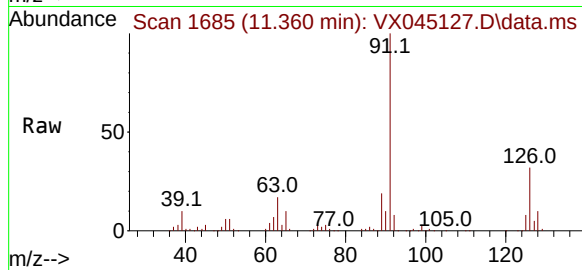
126 33.0 16.4 49.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#80

1,3,5-Trimethylbenzene

Concen: 50.163 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX045127.D

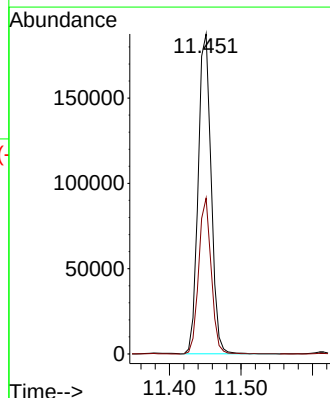
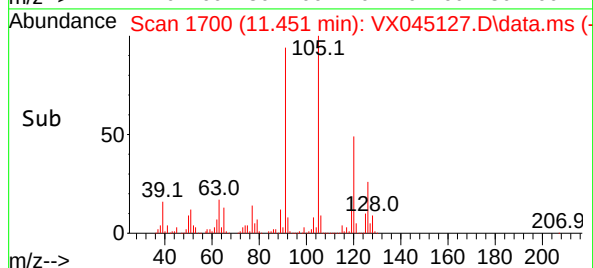
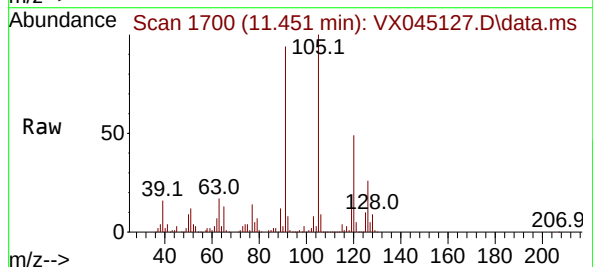
Acq: 05 Mar 2025 09:12

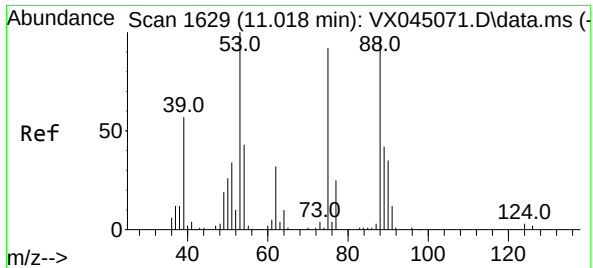
Tgt Ion:105 Resp: 235799

Ion Ratio Lower Upper

105 100

120 47.2 24.1 72.2





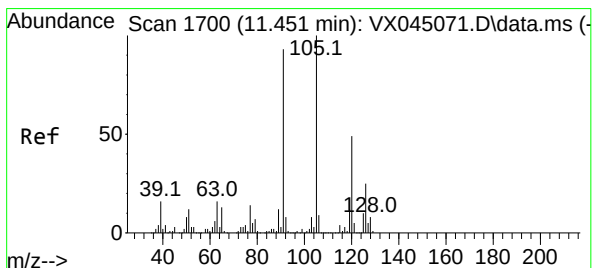
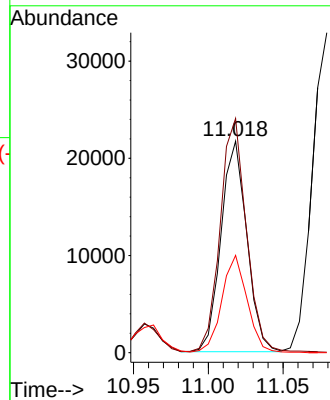
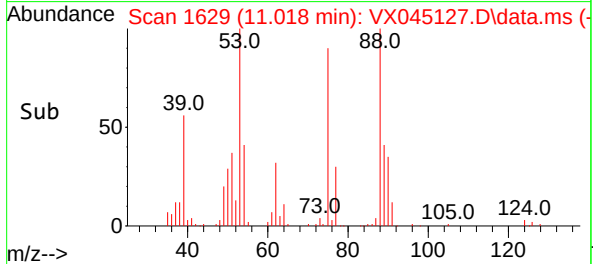
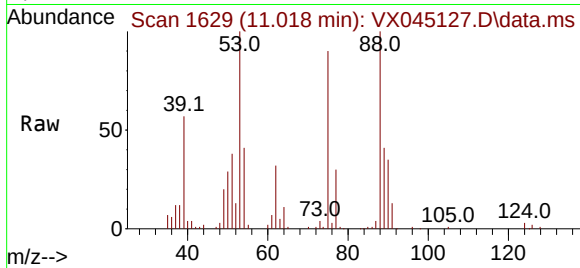
#81
trans-1,4-Dichloro-2-butene
Concen: 51.395 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 26035
Ion Ratio Lower Upper
75 100
53 113.7 88.5 132.7
89 45.5 36.2 54.4

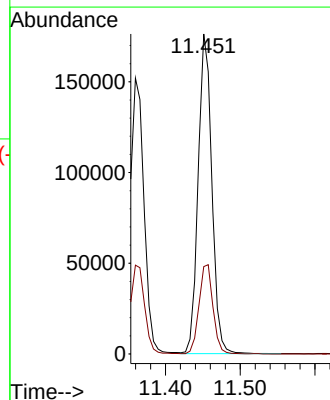
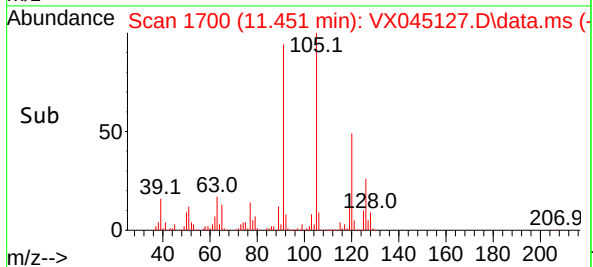
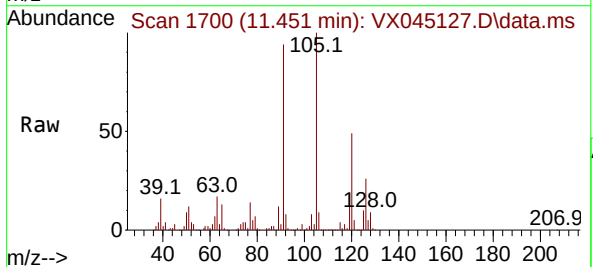
Manual Integrations
APPROVED

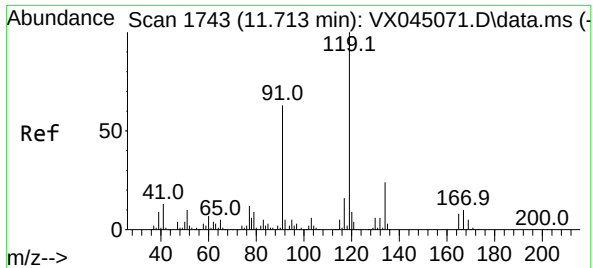
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#82
4-Chlorotoluene
Concen: 49.137 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

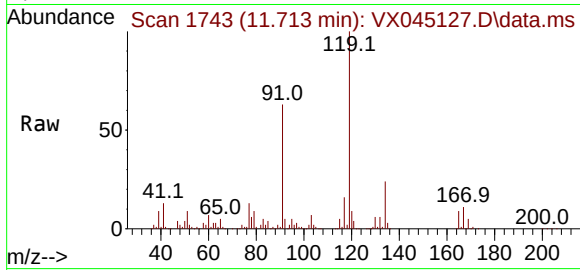
Tgt Ion: 91 Resp: 223976
Ion Ratio Lower Upper
91 100
126 28.4 14.1 42.4





#83
tert-Butylbenzene
Concen: 48.210 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

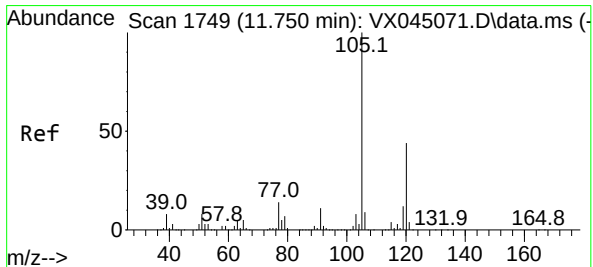
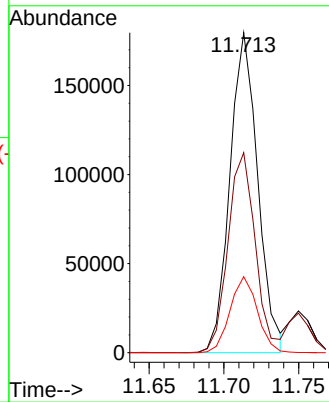
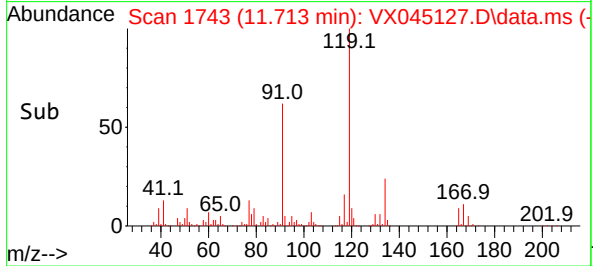
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:119 Resp: 232849
Ion Ratio Lower Upper
119 100
91 61.5 30.7 92.1
134 23.3 11.7 35.0

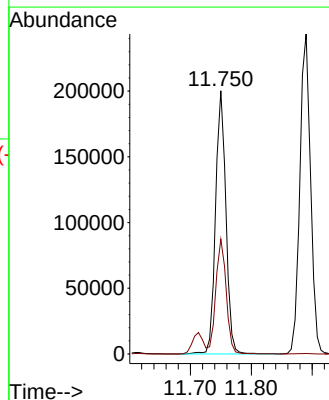
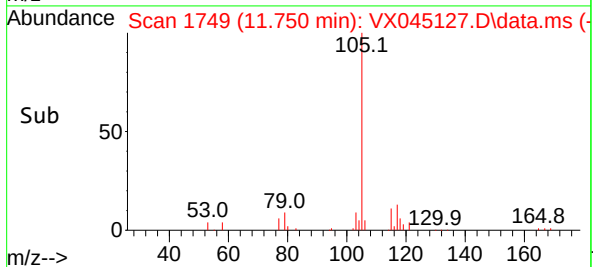
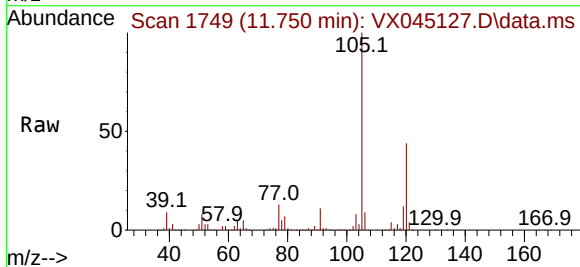
Manual Integrations
APPROVED

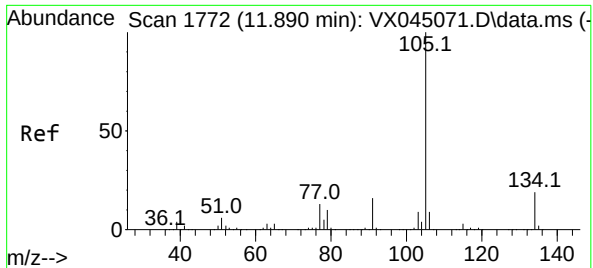
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#84
1,2,4-Trimethylbenzene
Concen: 49.949 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

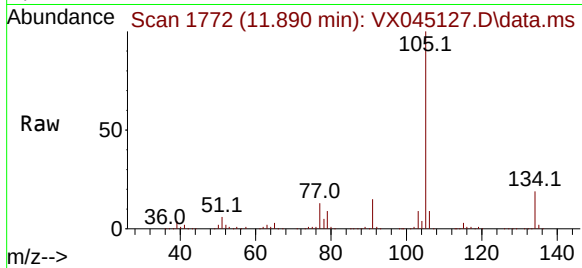
Tgt Ion:105 Resp: 236246
Ion Ratio Lower Upper
105 100
120 44.0 22.1 66.1





#85
 sec-Butylbenzene
 Concen: 51.530 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX045127.D
 Acq: 05 Mar 2025 09:12

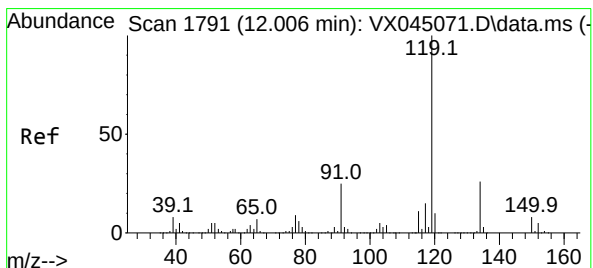
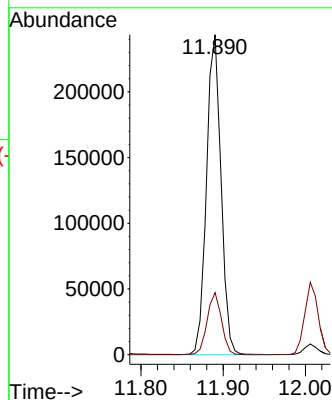
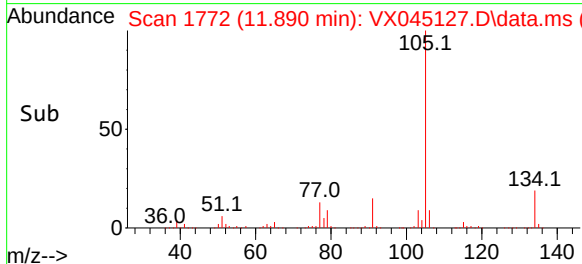
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050



Tgt Ion:105 Resp: 29812
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.8 29.4

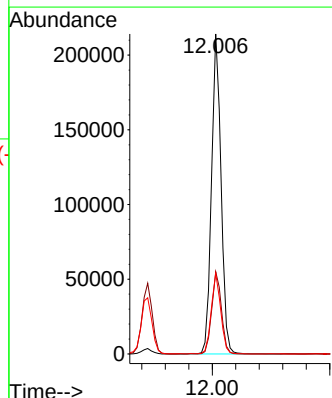
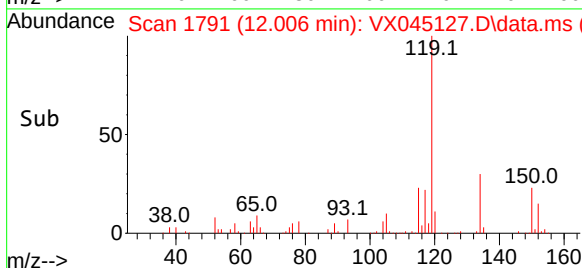
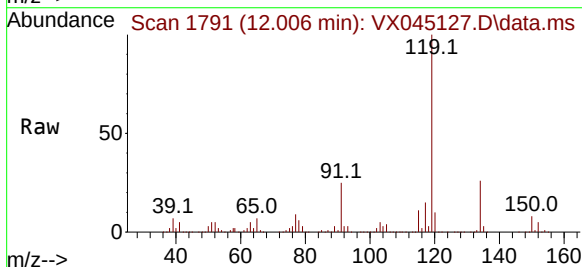
Manual Integrations
 APPROVED

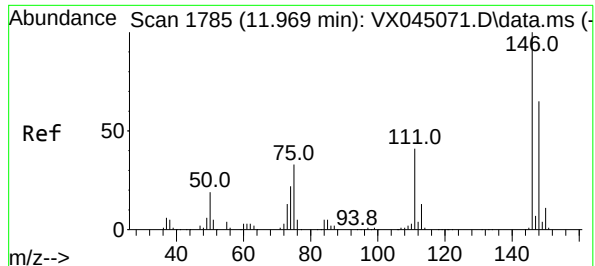
Reviewed By :John Carlone 03/06/2025
 Supervised By :Mahesh Dadoda 03/06/2025



#86
 p-Isopropyltoluene
 Concen: 51.761 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX045127.D
 Acq: 05 Mar 2025 09:12

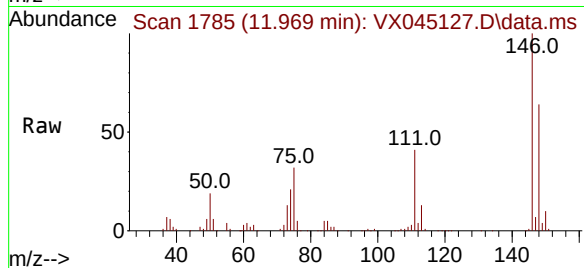
Tgt Ion:119 Resp: 242004
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.9 38.6
 91 25.0 12.7 38.0





#87
1,3-Dichlorobenzene
Concen: 48.641 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

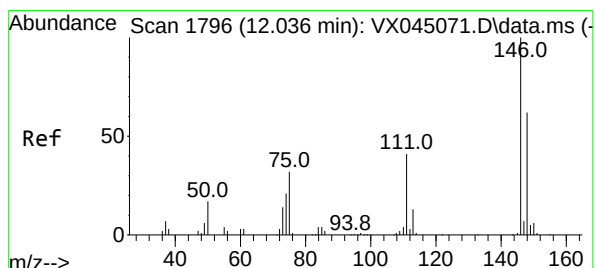
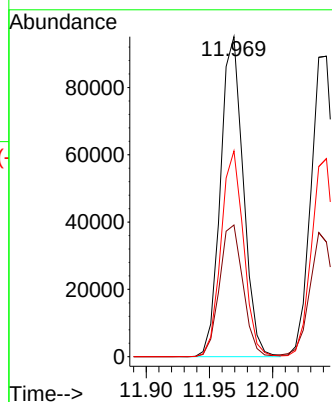
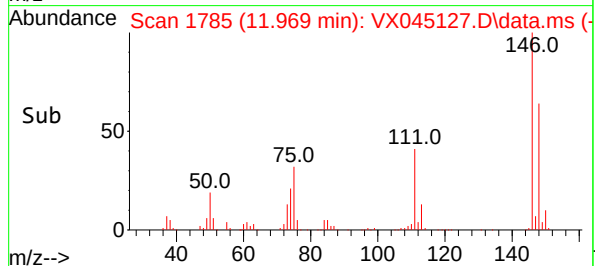
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



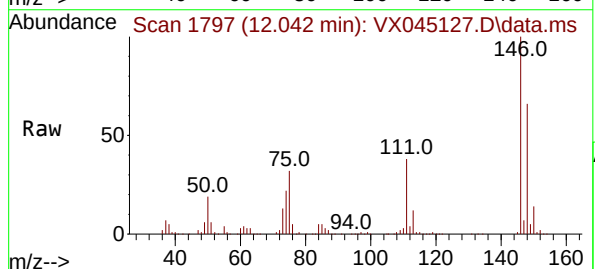
Tgt Ion:146 Resp: 11902
Ion Ratio Lower Upper
146 100
111 42.5 21.1 63.4
148 63.8 31.9 95.7

Manual Integrations
APPROVED

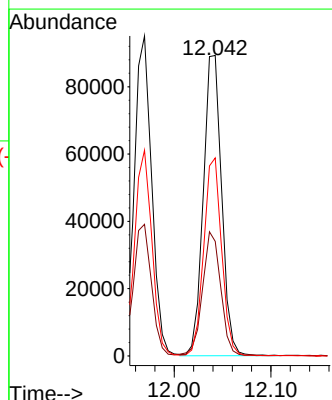
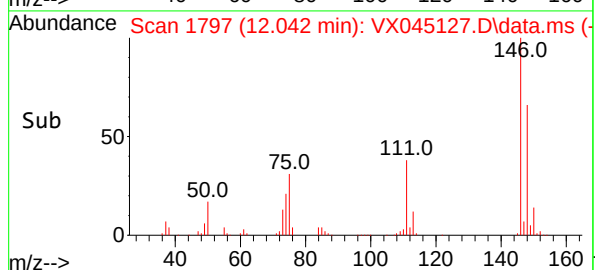
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

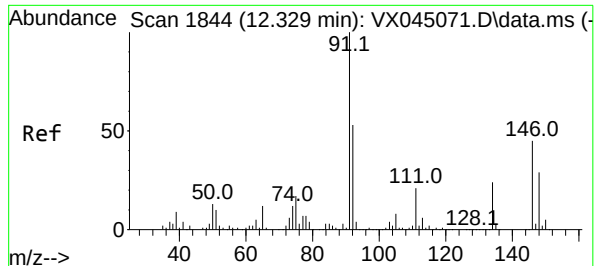


#88
1,4-Dichlorobenzene
Concen: 47.680 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12



Tgt Ion:146 Resp: 118036
Ion Ratio Lower Upper
146 100
111 40.9 20.2 60.5
148 64.7 31.9 95.9





#89

n-Butylbenzene

Concen: 55.132 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX045127.D

Acq: 05 Mar 2025 09:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 222000

Ion Ratio Lower Upper

91 100

92 53.5 26.7 80.0

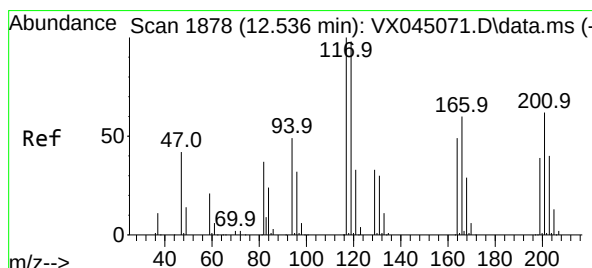
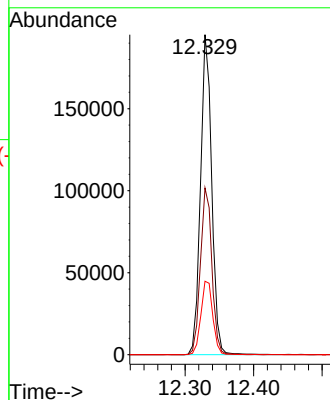
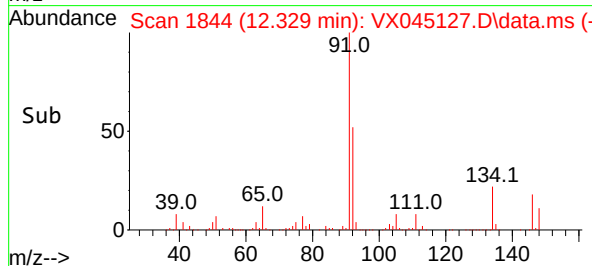
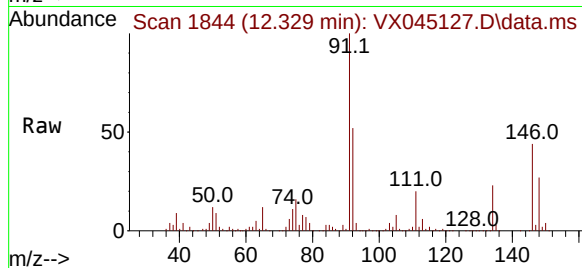
134 24.5 12.2 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#90

Hexachloroethane

Concen: 49.734 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX045127.D

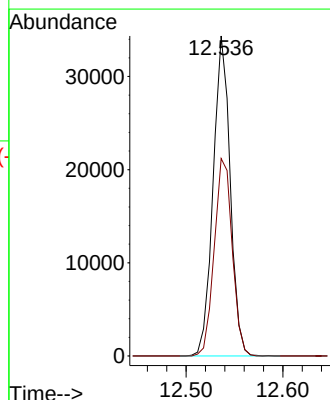
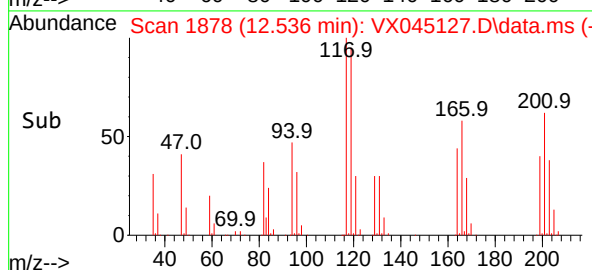
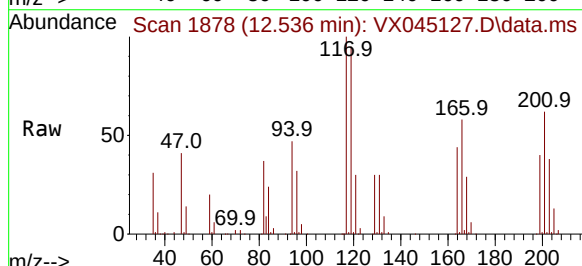
Acq: 05 Mar 2025 09:12

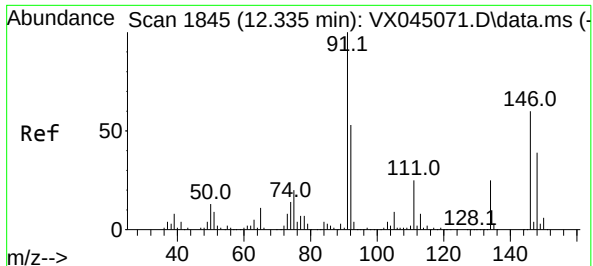
Tgt Ion:117 Resp: 42059

Ion Ratio Lower Upper

117 100

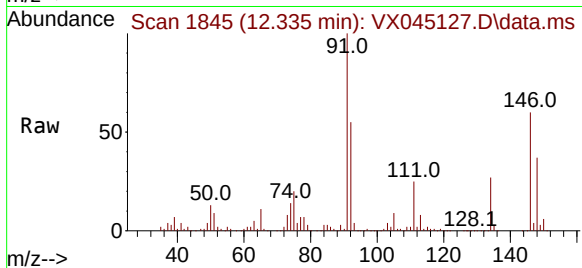
201 65.0 31.9 95.9





#91
1,2-Dichlorobenzene
Concen: 49.543 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

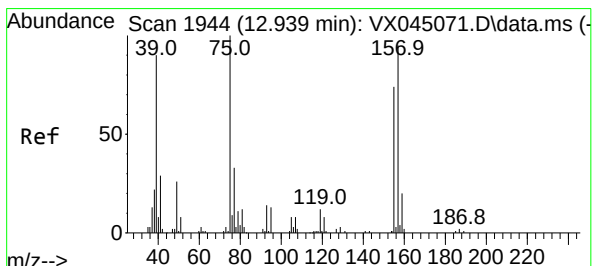
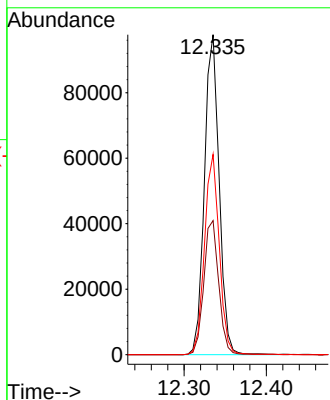
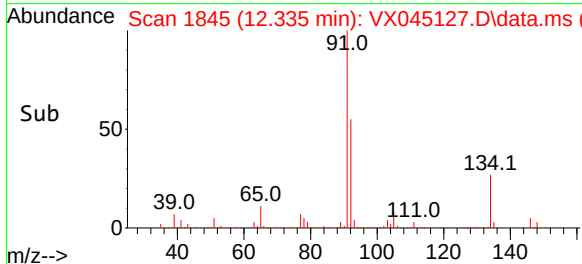
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:146 Resp: 121609
Ion Ratio Lower Upper
146 100
111 42.6 21.6 65.0
148 62.7 31.9 95.9

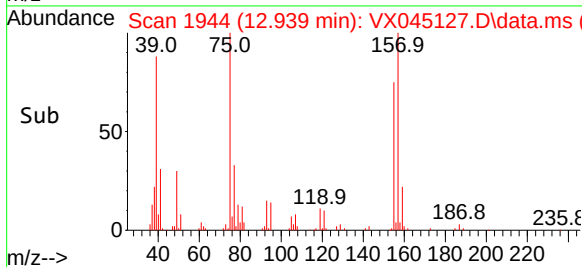
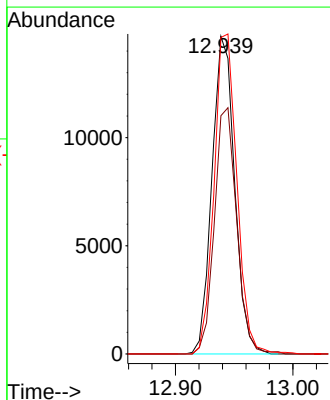
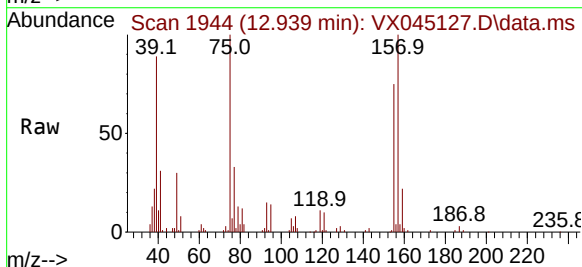
Manual Integrations
APPROVED

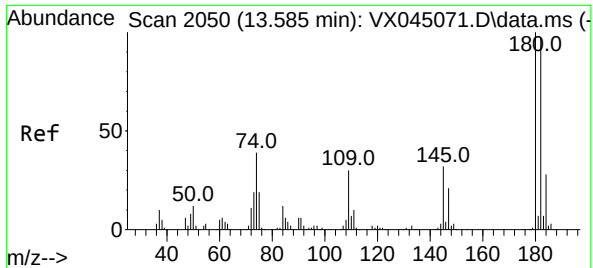
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 47.340 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

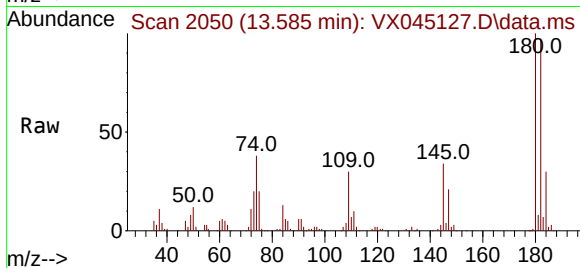
Tgt Ion: 75 Resp: 19675
Ion Ratio Lower Upper
75 100
155 76.3 39.6 118.7
157 101.6 51.1 153.4





#93
1,2,4-Trichlorobenzene
Concen: 52.807 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

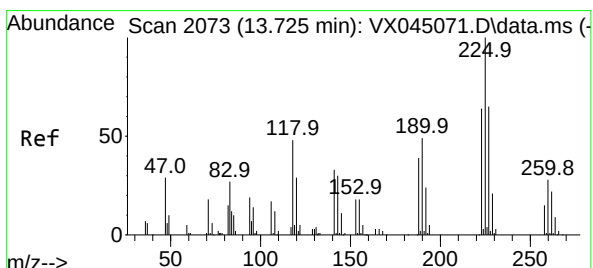
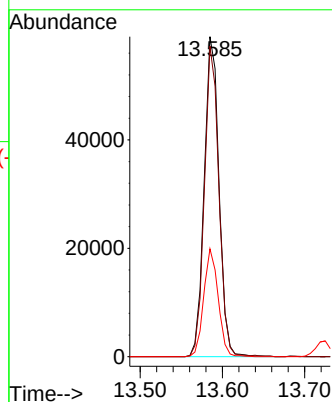
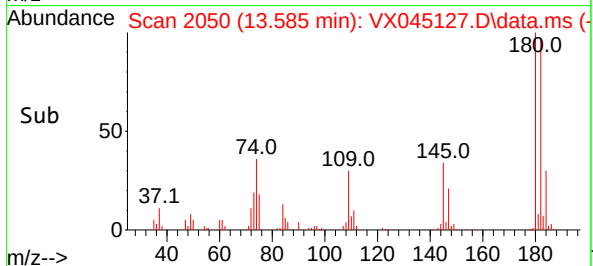
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



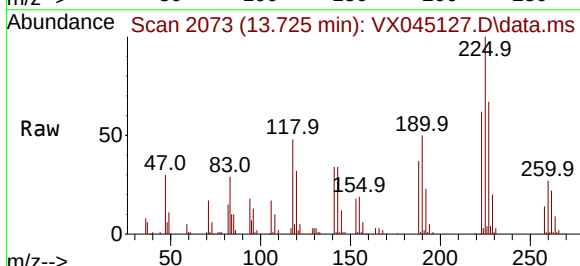
Tgt Ion:180 Resp: 7380
Ion Ratio Lower Upper
180 100
182 94.8 47.3 141.9
145 32.9 16.3 48.9

Manual Integrations
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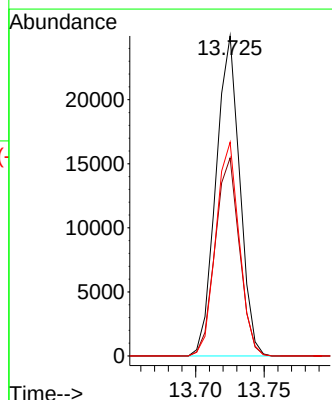
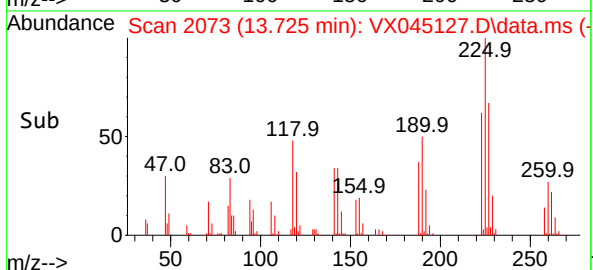
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

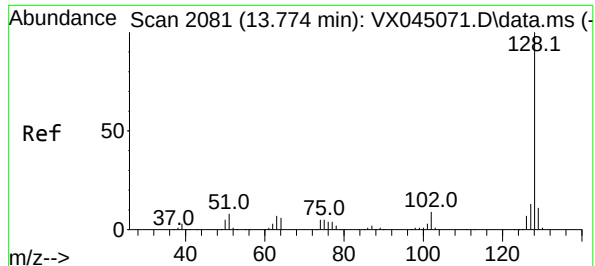


#94
Hexachlorobutadiene
Concen: 52.591 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12



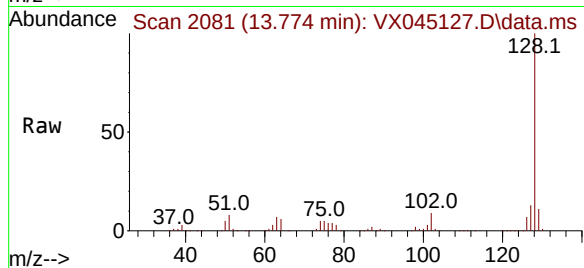
Tgt Ion:225 Resp: 30136
Ion Ratio Lower Upper
225 100
223 62.9 31.9 95.7
227 65.7 31.4 94.0





#95
Naphthalene
Concen: 50.230 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

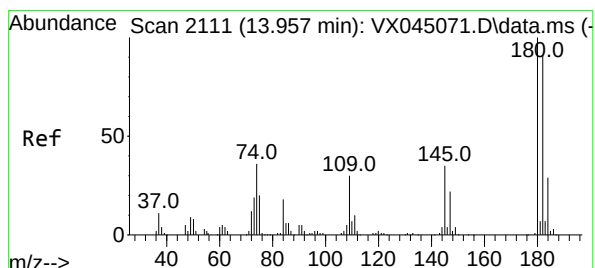
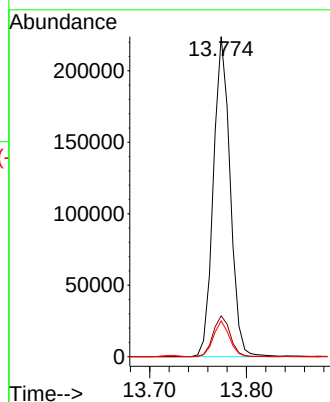
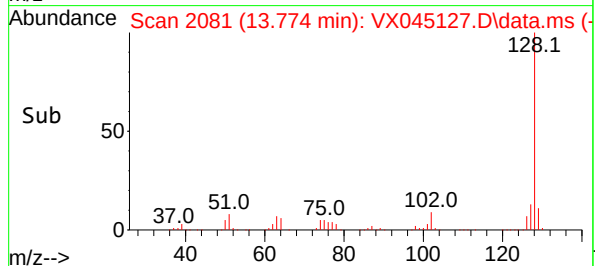
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:128 Resp: 269735
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.8 8.7 13.1

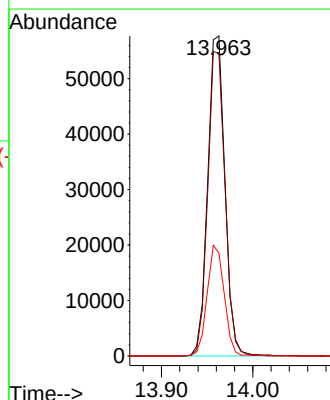
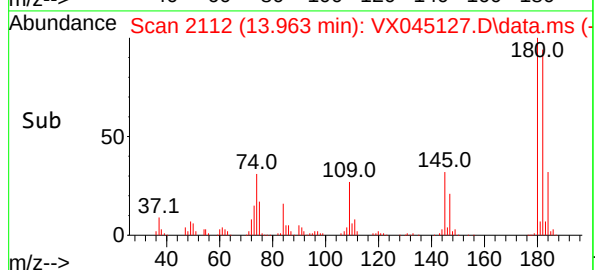
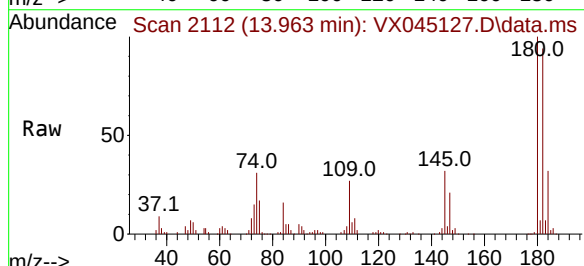
Manual Integrations
APPROVED

Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.306 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045127.D
Acq: 05 Mar 2025 09:12

Tgt Ion:180 Resp: 75650
Ion Ratio Lower Upper
180 100
182 95.5 47.5 142.6
145 34.3 17.0 50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
 Data File : VX045127.D
 Acq On : 05 Mar 2025 09:12
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Mar 06 00:58:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	109	0.00
2 T	Dichlorodifluoromethane	0.629	0.611	2.9	106	0.00
3 P	Chloromethane	0.770	0.671	12.9	97	0.00
4 C	Vinyl Chloride	0.764	0.689	9.8#	99	0.00
5 T	Bromomethane	0.300	0.271	9.7	101	0.00
6 T	Chloroethane	0.352	0.291	17.3	85	0.00
7 T	Trichlorofluoromethane	1.011	0.938	7.2	97	0.00
8 T	Diethyl Ether	0.396	0.348	12.1	98	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.581	0.581	0.0	106	0.00
10 T	Methyl Iodide	0.726	0.698	3.9	99	0.00
11 T	Tert butyl alcohol	0.151	0.108	28.5#	87	0.01
12 CM	1,1-Dichloroethene	0.614	0.553	9.9#	96	0.00
13 T	Acrolein	0.174	0.167	4.0	104	0.00
14 T	Allyl chloride	1.094	1.041	4.8	102	0.00
15 T	Acrylonitrile	0.404	0.349	13.6	93	0.00
16 T	Acetone	0.369	0.301	18.4	93	0.00
17 T	Carbon Disulfide	1.636	1.452	11.2	95	0.00
18 T	Methyl Acetate	0.888	0.810	8.8	102	0.00
19 T	Methyl tert-butyl Ether	2.061	1.855	10.0	97	0.00
20 T	Methylene Chloride	0.731	0.640	12.4	100	0.00
21 T	trans-1,2-Dichloroethene	0.607	0.571	5.9	98	0.00
22 T	Diisopropyl ether	2.224	2.073	6.8	98	0.00
23 T	Vinyl Acetate	1.856	1.760	5.2	97	0.00
24 P	1,1-Dichloroethane	1.247	1.123	9.9	98	0.00
25 T	2-Butanone	0.555	0.488	12.1	92	0.00
26 T	2,2-Dichloropropane	0.585	0.795	-35.9#	145	0.00
27 T	cis-1,2-Dichloroethene	0.749	0.684	8.7	98	0.00
28 T	Bromochloromethane	0.594	0.559	5.9	101	0.00
29 T	Tetrahydrofuran	0.373	0.320	14.2	93	0.00
30 C	Chloroform	1.239	1.123	9.4#	98	0.00
31 T	Cyclohexane	1.082	1.035	4.3	102	0.00
32 T	1,1,1-Trichloroethane	1.000	0.923	7.7	98	0.00
33 S	1,2-Dichloroethane-d4	0.795	0.743	6.5	107	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
35 S	Dibromofluoromethane	0.334	0.344	-3.0	107	-0.01
36 T	1,1-Dichloropropene	0.459	0.452	1.5	99	-0.01
37 T	Ethyl Acetate	0.591	0.554	6.3	93	0.00
38 T	Carbon Tetrachloride	0.465	0.457	1.7	100	0.00
39 T	Methylcyclohexane	0.549	0.609	-10.9	106	0.00
40 TM	Benzene	1.448	1.416	2.2	97	0.00
41 T	Methacrylonitrile	0.319	0.314	1.6	94	0.00
42 TM	1,2-Dichloroethane	0.521	0.506	2.9	98	0.00
43 T	Isopropyl Acetate	0.874	0.847	3.1	93	0.00
44 TM	Trichloroethene	0.340	0.338	0.6	101	0.00
45 C	1,2-Dichloropropane	0.372	0.355	4.6#	98	0.00
46 T	Dibromomethane	0.263	0.255	3.0	97	0.00
47 T	Bromodichloromethane	0.516	0.512	0.8	100	0.00
48 T	Methyl methacrylate	0.438	0.423	3.4	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
 Data File : VX045127.D
 Acq On : 05 Mar 2025 09:12
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Mar 06 00:58:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 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	0.009	0.008	11.1	90	0.00
50 S	Toluene-d8	1.212	1.229	-1.4	104	0.00
51 T	4-Methyl-2-Pentanone	0.587	0.550	6.3	92	0.00
52 CM	Toluene	0.849	0.858	-1.1#	98	0.00
53 T	t-1,3-Dichloropropene	0.431	0.464	-7.7	101	0.00
54 T	cis-1,3-Dichloropropene	0.503	0.541	-7.6	103	0.00
55 T	1,1,2-Trichloroethane	0.350	0.334	4.6	96	0.00
56 T	Ethyl methacrylate	0.532	0.519	2.4	93	0.00
57 T	1,3-Dichloropropane	0.605	0.579	4.3	95	0.00
58 T	2-Chloroethyl Vinyl ether	0.259	0.276	-6.6	100	0.00
59 T	2-Hexanone	0.425	0.404	4.9	92	0.00
60 T	Dibromochloromethane	0.366	0.374	-2.2	100	0.00
61 T	1,2-Dibromoethane	0.349	0.340	2.6	98	0.00
62 S	4-Bromofluorobenzene	0.402	0.412	-2.5	105	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
64 T	Tetrachloroethene	0.320	0.328	-2.5	102	0.00
65 PM	Chlorobenzene	1.058	1.044	1.3	97	0.00
66 T	1,1,1,2-Tetrachloroethane	0.352	0.344	2.3	98	0.00
67 C	Ethyl Benzene	1.843	1.877	-1.8#	97	0.00
68 T	m/p-Xylenes	0.675	0.695	-3.0	97	0.00
69 T	o-Xylene	0.681	0.676	0.7	97	0.00
70 T	Styrene	1.101	1.118	-1.5	96	0.00
71 P	Bromoform	0.266	0.272	-2.3	100	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73 T	Isopropylbenzene	3.903	3.893	0.3	98	0.00
74 T	N-amyl acetate	1.831	1.795	2.0	95	0.00
75 P	1,1,2,2-Tetrachloroethane	1.432	1.304	8.9	96	0.00
76 T	1,2,3-Trichloropropane	1.164	1.040	10.7	95	0.00
77 T	Bromobenzene	0.921	0.885	3.9	99	0.00
78 T	n-propylbenzene	4.409	4.545	-3.1	99	0.00
79 T	2-Chlorotoluene	2.808	2.644	5.8	96	0.00
80 T	1,3,5-Trimethylbenzene	3.156	3.166	-0.3	98	0.00
81 T	trans-1,4-Dichloro-2-butene	0.340	0.350	-2.9	108	0.00
82 T	4-Chlorotoluene	3.060	3.007	1.7	97	0.00
83 T	tert-Butylbenzene	3.242	3.126	3.6	97	0.00
84 T	1,2,4-Trimethylbenzene	3.175	3.172	0.1	98	0.00
85 T	sec-Butylbenzene	3.884	4.003	-3.1	99	0.00
86 T	p-Isopropyltoluene	3.139	3.249	-3.5	99	0.00
87 T	1,3-Dichlorobenzene	1.643	1.598	2.7	100	0.00
88 T	1,4-Dichlorobenzene	1.662	1.585	4.6	98	0.00
89 T	n-Butylbenzene	2.703	2.981	-10.3	103	0.00
90 T	Hexachloroethane	0.568	0.565	0.5	98	0.00
91 T	1,2-Dichlorobenzene	1.648	1.633	0.9	102	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.279	0.264	5.4	95	0.00
93 T	1,2,4-Trichlorobenzene	0.938	0.991	-5.7	103	0.00
94 T	Hexachlorobutadiene	0.385	0.405	-5.2	108	0.00
95 T	Naphthalene	3.605	3.622	-0.5	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045127.D
Acq On : 05 Mar 2025 09:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 06 00:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.990	1.016	-2.6	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
 Data File : VX045127.D
 Acq On : 05 Mar 2025 09:12
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Mar 06 00:58:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	109	0.00
2 T	Dichlorodifluoromethane	50.000	48.548	2.9	106	0.00
3 P	Chloromethane	50.000	43.571	12.9	97	0.00
4 C	Vinyl Chloride	50.000	45.105	9.8#	99	0.00
5 T	Bromomethane	50.000	45.089	9.8	101	0.00
6 T	Chloroethane	50.000	41.292	17.4	85	0.00
7 T	Trichlorofluoromethane	50.000	46.345	7.3	97	0.00
8 T	Diethyl Ether	50.000	44.003	12.0	98	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.955	0.1	106	0.00
10 T	Methyl Iodide	50.000	48.082	3.8	99	0.00
11 T	Tert butyl alcohol	250.000	178.760	28.5#	87	0.01
12 CM	1,1-Dichloroethene	50.000	44.972	10.1#	96	0.00
13 T	Acrolein	250.000	239.177	4.3	104	0.00
14 T	Allyl chloride	50.000	47.573	4.9	102	0.00
15 T	Acrylonitrile	250.000	216.227	13.5	93	0.00
16 T	Acetone	250.000	203.698	18.5	93	0.00
17 T	Carbon Disulfide	50.000	44.364	11.3	95	0.00
18 T	Methyl Acetate	50.000	45.649	8.7	102	0.00
19 T	Methyl tert-butyl Ether	50.000	44.990	10.0	97	0.00
20 T	Methylene Chloride	50.000	43.757	12.5	100	0.00
21 T	trans-1,2-Dichloroethene	50.000	46.997	6.0	98	0.00
22 T	Diisopropyl ether	50.000	46.611	6.8	98	0.00
23 T	Vinyl Acetate	250.000	237.095	5.2	97	0.00
24 P	1,1-Dichloroethane	50.000	45.046	9.9	98	0.00
25 T	2-Butanone	250.000	219.773	12.1	92	0.00
26 T	2,2-Dichloropropane	50.000	67.949	-35.9#	145	0.00
27 T	cis-1,2-Dichloroethene	50.000	45.662	8.7	98	0.00
28 T	Bromochloromethane	50.000	47.005	6.0	101	0.00
29 T	Tetrahydrofuran	250.000	214.470	14.2	93	0.00
30 C	Chloroform	50.000	45.331	9.3#	98	0.00
31 T	Cyclohexane	50.000	47.845	4.3	102	0.00
32 T	1,1,1-Trichloroethane	50.000	46.154	7.7	98	0.00
33 S	1,2-Dichloroethane-d4	50.000	46.738	6.5	107	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	102	0.00
35 S	Dibromofluoromethane	50.000	51.467	-2.9	107	-0.01
36 T	1,1-Dichloropropene	50.000	49.270	1.5	99	-0.01
37 T	Ethyl Acetate	50.000	46.871	6.3	93	0.00
38 T	Carbon Tetrachloride	50.000	49.086	1.8	100	0.00
39 T	Methylcyclohexane	50.000	55.384	-10.8	106	0.00
40 TM	Benzene	50.000	48.900	2.2	97	0.00
41 T	Methacrylonitrile	50.000	49.148	1.7	94	0.00
42 TM	1,2-Dichloroethane	50.000	48.518	3.0	98	0.00
43 T	Isopropyl Acetate	50.000	48.480	3.0	93	0.00
44 TM	Trichloroethene	50.000	49.759	0.5	101	0.00
45 C	1,2-Dichloropropane	50.000	47.629	4.7#	98	0.00
46 T	Dibromomethane	50.000	48.429	3.1	97	0.00
47 T	Bromodichloromethane	50.000	49.627	0.7	100	0.00
48 T	Methyl methacrylate	50.000	48.288	3.4	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
 Data File : VX045127.D
 Acq On : 05 Mar 2025 09:12
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Mar 06 00:58:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 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	897.247	10.3	90	0.00
50 S	Toluene-d8	50.000	50.704	-1.4	104	0.00
51 T	4-Methyl-2-Pentanone	250.000	234.470	6.2	92	0.00
52 CM	Toluene	50.000	50.472	-0.9#	98	0.00
53 T	t-1,3-Dichloropropene	50.000	53.736	-7.5	101	0.00
54 T	cis-1,3-Dichloropropene	50.000	53.733	-7.5	103	0.00
55 T	1,1,2-Trichloroethane	50.000	47.694	4.6	96	0.00
56 T	Ethyl methacrylate	50.000	48.771	2.5	93	0.00
57 T	1,3-Dichloropropane	50.000	47.819	4.4	95	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	266.477	-6.6	100	0.00
59 T	2-Hexanone	250.000	237.763	4.9	92	0.00
60 T	Dibromochloromethane	50.000	51.202	-2.4	100	0.00
61 T	1,2-Dibromoethane	50.000	48.624	2.8	98	0.00
62 S	4-Bromofluorobenzene	50.000	51.246	-2.5	105	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	101	0.00
64 T	Tetrachloroethene	50.000	51.190	-2.4	102	0.00
65 PM	Chlorobenzene	50.000	49.344	1.3	97	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	48.866	2.3	98	0.00
67 C	Ethyl Benzene	50.000	50.920	-1.8#	97	0.00
68 T	m/p-Xylenes	100.000	102.932	-2.9	97	0.00
69 T	o-Xylene	50.000	49.692	0.6	97	0.00
70 T	Styrene	50.000	50.763	-1.5	96	0.00
71 P	Bromoform	50.000	51.176	-2.4	100	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73 T	Isopropylbenzene	50.000	49.882	0.2	98	0.00
74 T	N-amyl acetate	50.000	49.015	2.0	95	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	45.510	9.0	96	0.00
76 T	1,2,3-Trichloropropane	50.000	44.663	10.7	95	0.00
77 T	Bromobenzene	50.000	48.083	3.8	99	0.00
78 T	n-propylbenzene	50.000	51.552	-3.1	99	0.00
79 T	2-Chlorotoluene	50.000	47.083	5.8	96	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.163	-0.3	98	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	51.395	-2.8	108	0.00
82 T	4-Chlorotoluene	50.000	49.137	1.7	97	0.00
83 T	tert-Butylbenzene	50.000	48.210	3.6	97	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.949	0.1	98	0.00
85 T	sec-Butylbenzene	50.000	51.530	-3.1	99	0.00
86 T	p-Isopropyltoluene	50.000	51.761	-3.5	99	0.00
87 T	1,3-Dichlorobenzene	50.000	48.641	2.7	100	0.00
88 T	1,4-Dichlorobenzene	50.000	47.680	4.6	98	0.00
89 T	n-Butylbenzene	50.000	55.132	-10.3	103	0.00
90 T	Hexachloroethane	50.000	49.734	0.5	98	0.00
91 T	1,2-Dichlorobenzene	50.000	49.543	0.9	102	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	47.340	5.3	95	0.00
93 T	1,2,4-Trichlorobenzene	50.000	52.807	-5.6	103	0.00
94 T	Hexachlorobutadiene	50.000	52.591	-5.2	108	0.00
95 T	Naphthalene	50.000	50.230	-0.5	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045127.D
Acq On : 05 Mar 2025 09:12
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 06 00:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.306	-2.6	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



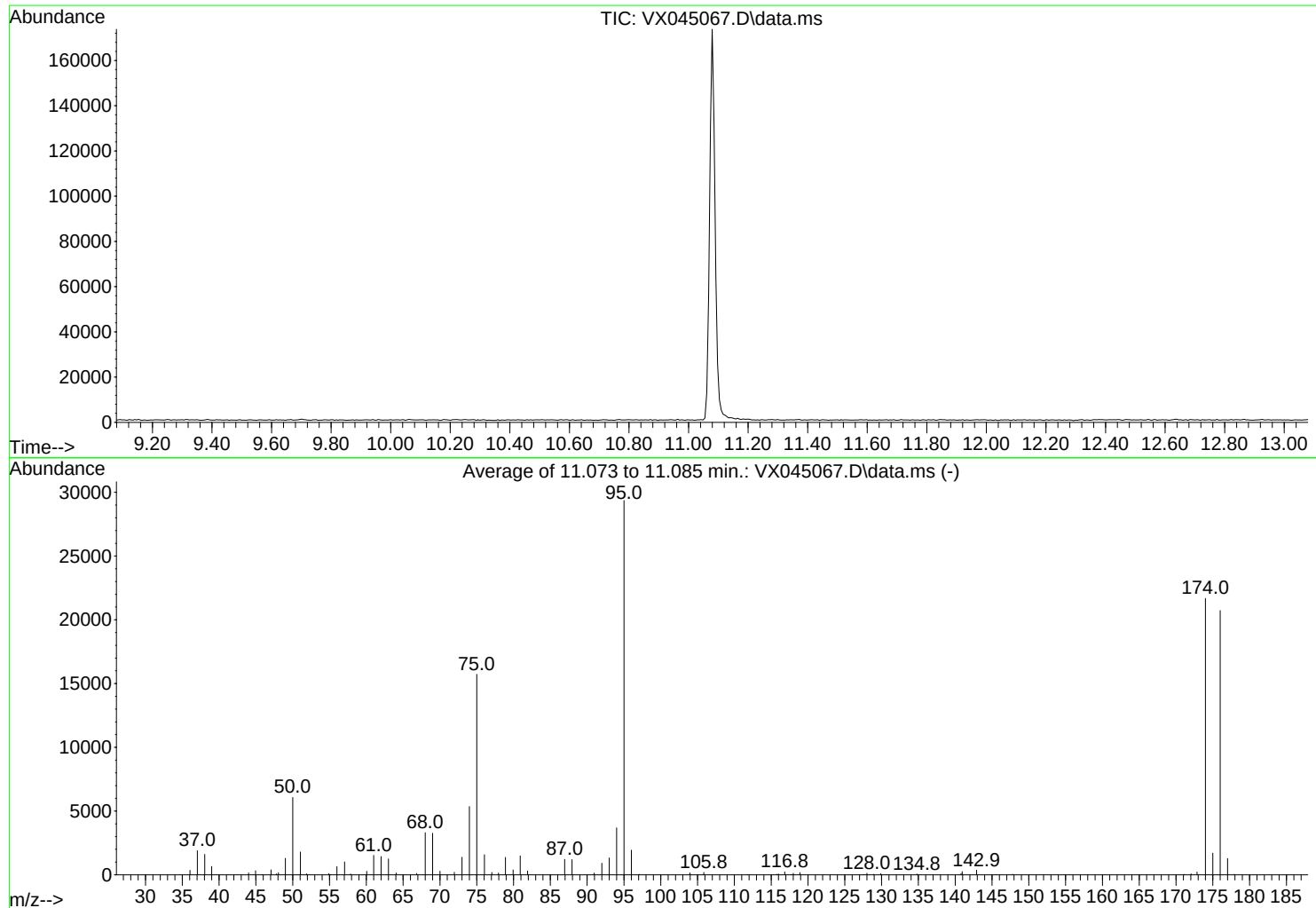
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045067.D
Acq On : 28 Feb 2025 01:03
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Title : SW846 8260
Last Update : Fri Feb 28 06:45:16 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

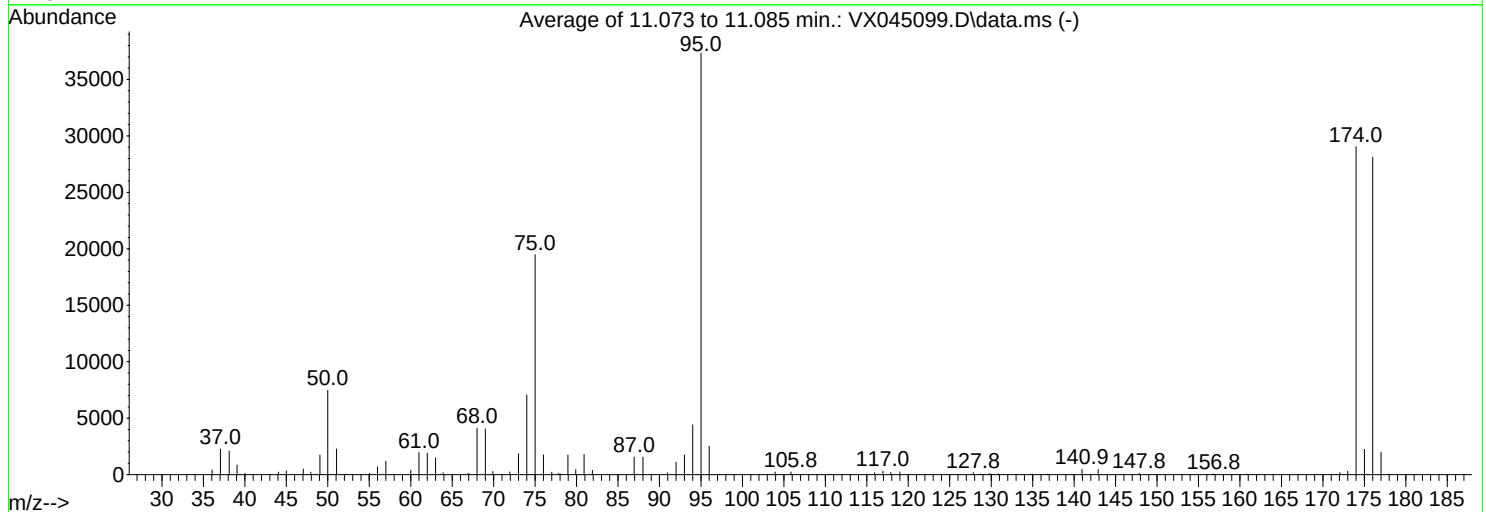
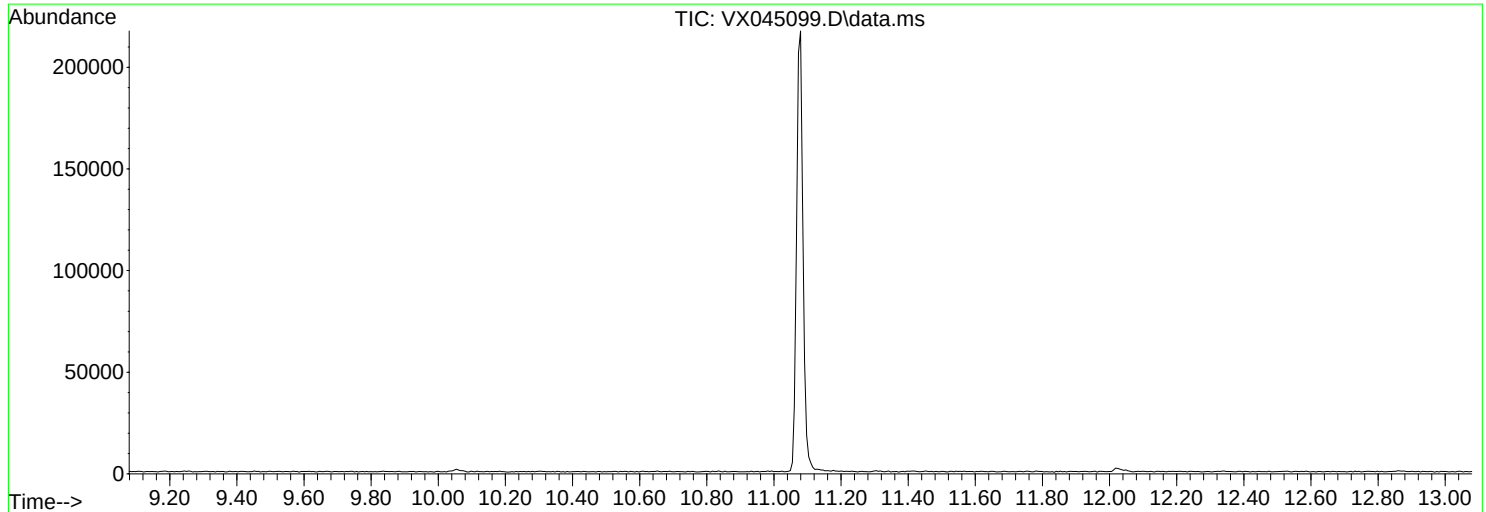
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.7	6072	PASS
75	95	30	60	53.6	15726	PASS
95	95	100	100	100.0	29360	PASS
96	95	5	9	6.6	1942	PASS
173	174	0.00	2	1.0	219	PASS
174	95	50	100	73.8	21677	PASS
175	174	5	9	7.9	1702	PASS
176	174	95	101	95.6	20723	PASS
177	176	5	9	6.2	1277	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
Data File : VX045099.D
Acq On : 03 Mar 2025 08:18
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\82X022825W.M
Title : SW846 8260
Last Update : Fri Feb 28 06:45:16 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

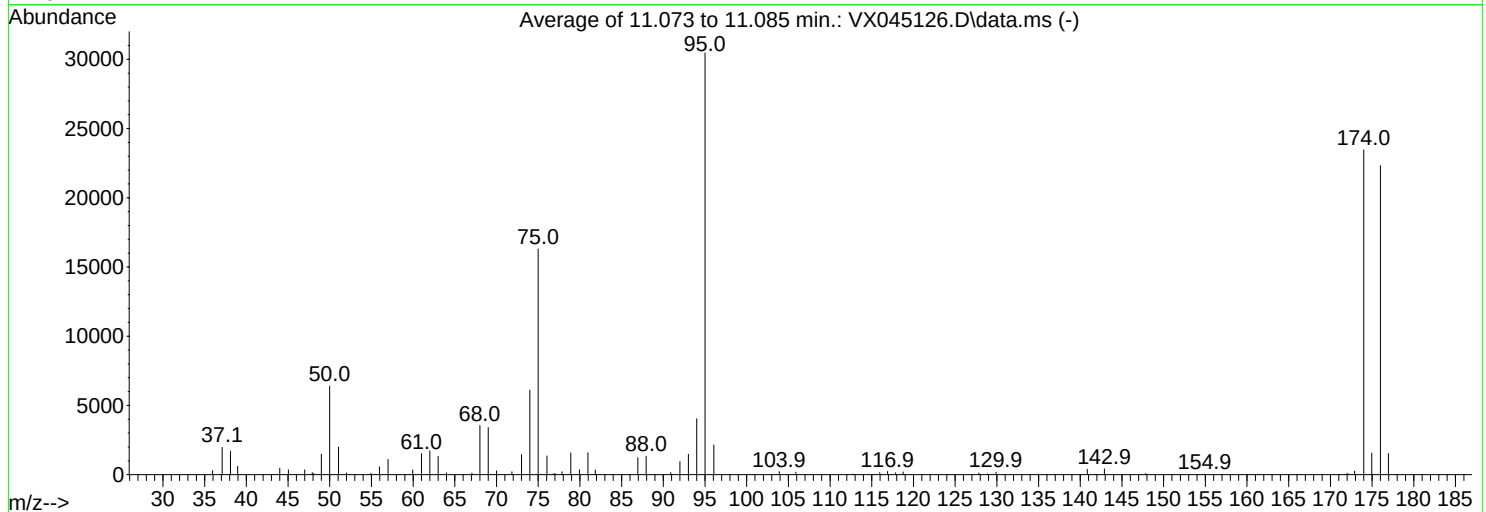
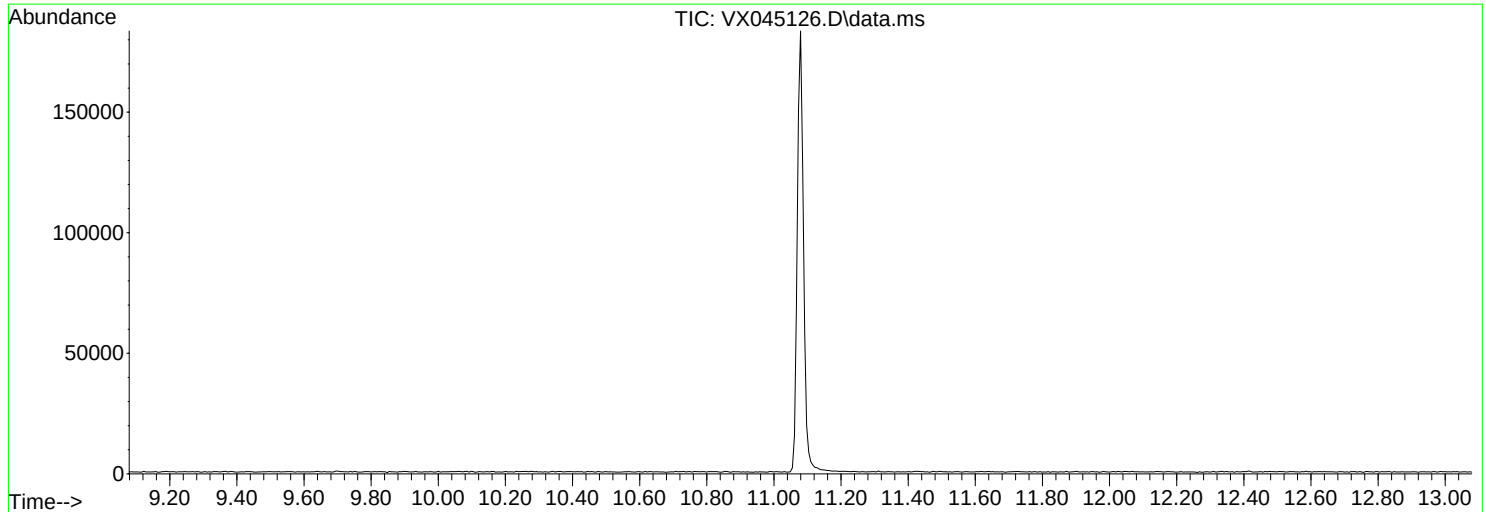
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.0	7470	PASS
75	95	30	60	52.2	19490	PASS
95	95	100	100	100.0	37352	PASS
96	95	5	9	6.7	2511	PASS
173	174	0.00	2	1.0	299	PASS
174	95	50	100	77.8	29043	PASS
175	174	5	9	7.7	2240	PASS
176	174	95	101	96.8	28125	PASS
177	176	5	9	7.1	1985	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045126.D
Acq On : 05 Mar 2025 08:40
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\82X022825W.M
Title : SW846 8260
Last Update : Fri Feb 28 06:45:16 2025



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	21.0	6391	PASS
75	95	30	60	53.5	16301	PASS
95	95	100	100	100.0	30469	PASS
96	95	5	9	7.1	2150	PASS
173	174	0.00	2	1.1	256	PASS
174	95	50	100	77.0	23464	PASS
175	174	5	9	6.7	1563	PASS
176	174	95	101	95.1	22320	PASS
177	176	5	9	6.9	1531	PASS

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	VX0303WBL01	SDG No.:	Q1478
Lab Sample ID:	VX0303WBL01	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
VX045102.D	1		03/03/25 09:39	VX030325

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.		Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221		Date Received:	
Client Sample ID:	VX0303WBL01		SDG No.:	Q1478
Lab Sample ID:	VX0303WBL01		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
VX045102.D	1		03/03/25 09:39	VX030325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.8		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	51.4		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		70 (77) - 130 (121)	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	88700	5.544			
540-36-3	1,4-Difluorobenzene	177000	6.757			
3114-55-4	Chlorobenzene-d5	160000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	71000	12.018			

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	VX0303WBL01	SDG No.:	Q1478
Lab Sample ID:	VX0303WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045102.D	1		03/03/25 09:39	VX030325

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\VX030325\
Data File : VX045102.D
Acq On : 03 Mar 2025 09:39
Operator : JC/MD
Sample : VX0303WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0303WBL01

Quant Time: Mar 04 05:18:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	88708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	176545	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	160387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70988	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	71659	50.785	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.560%
35) Dibromofluoromethane	5.379	113	60357	51.128	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.260%
50) Toluene-d8	8.647	98	219822	51.363	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.720%
62) 4-Bromofluorobenzene	11.079	95	74529	52.552	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.100%

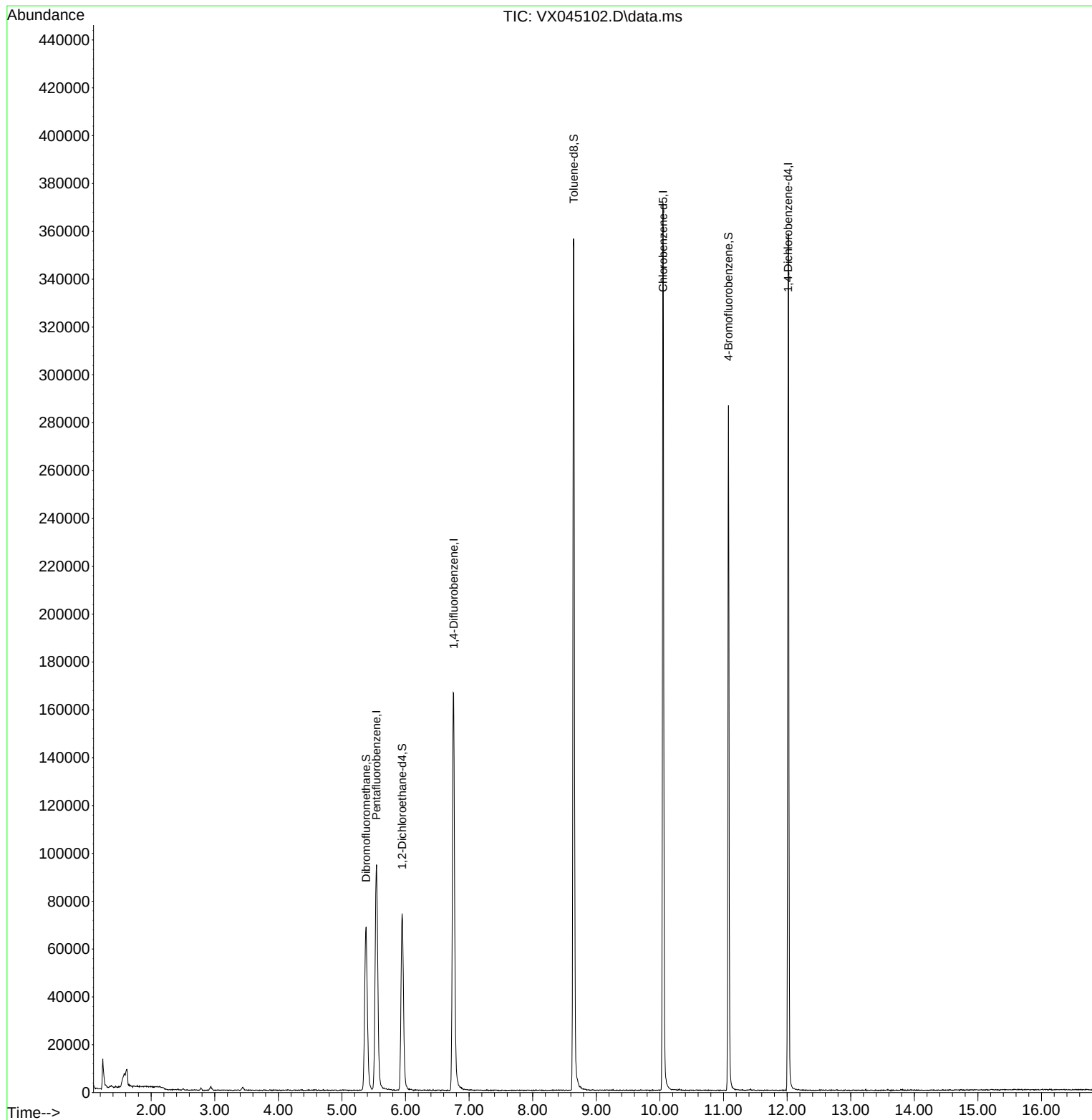
Target Compounds	Qvalue

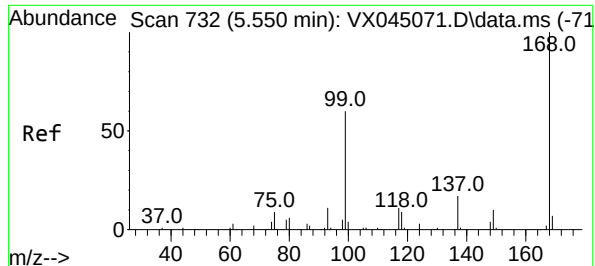
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
Data File : VX045102.D
Acq On : 03 Mar 2025 09:39
Operator : JC/MD
Sample : VX0303WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0303WBL01

Quant Time: Mar 04 05:18:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

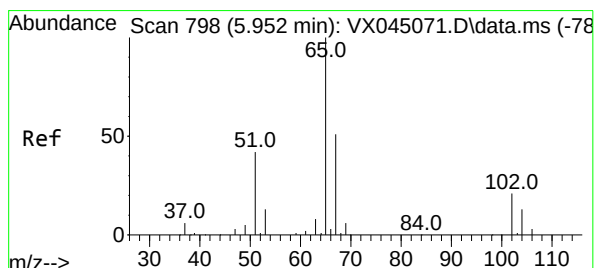
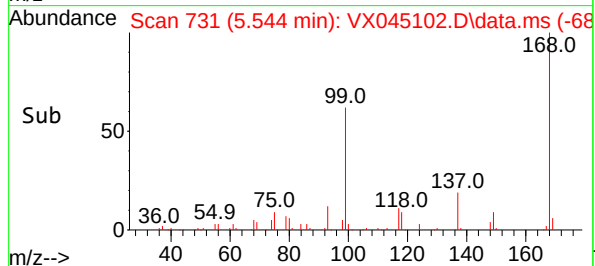
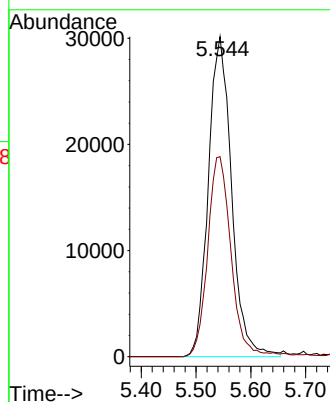
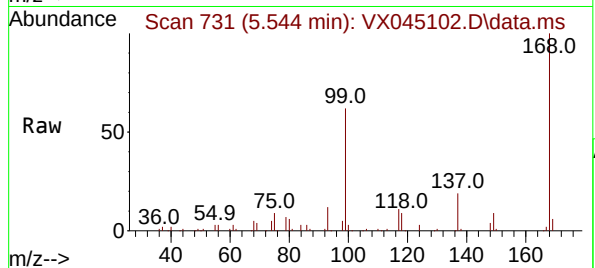




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045102.D
Acq: 03 Mar 2025 09:39

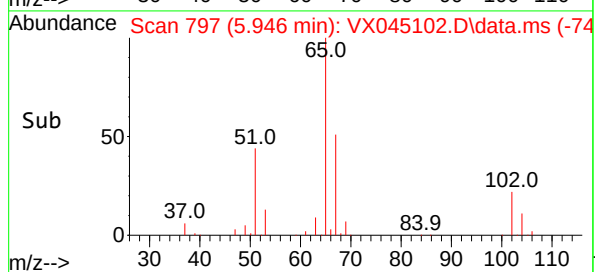
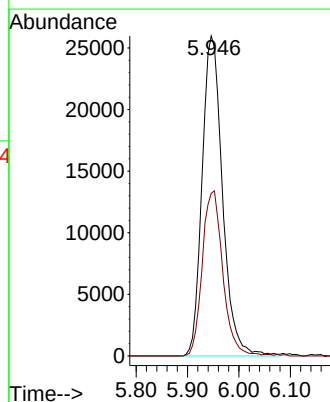
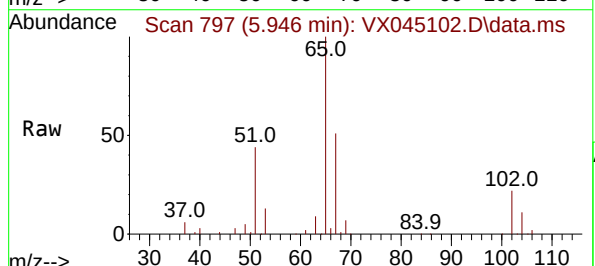
Instrument :
MSVOA_X
ClientSampleId :
VX0303WBL01

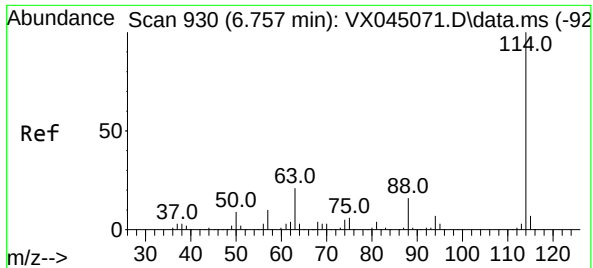
Tgt Ion:168 Resp: 88708
Ion Ratio Lower Upper
168 100
99 62.5 48.2 72.4



#33
1,2-Dichloroethane-d4
Concen: 50.785 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX045102.D
Acq: 03 Mar 2025 09:39

Tgt Ion: 65 Resp: 71659
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.2

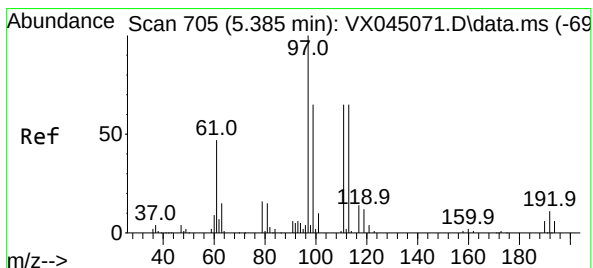
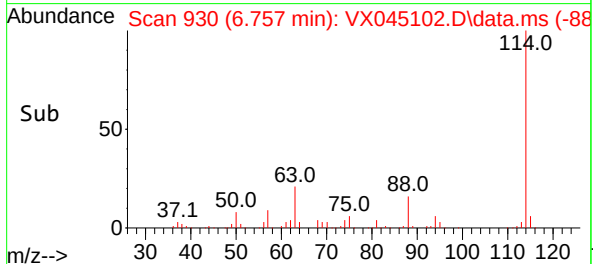
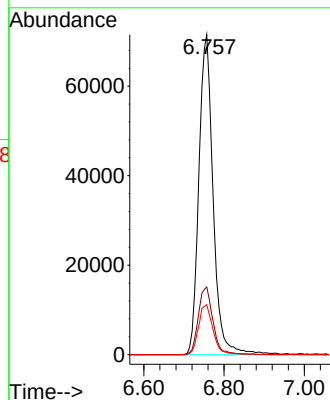
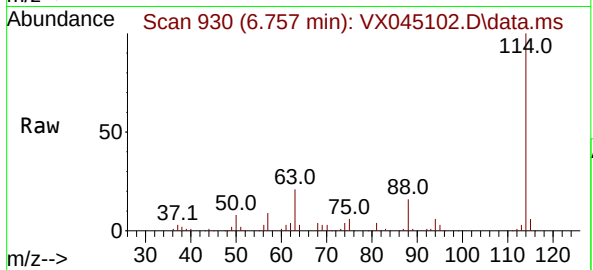




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045102.D
Acq: 03 Mar 2025 09:39

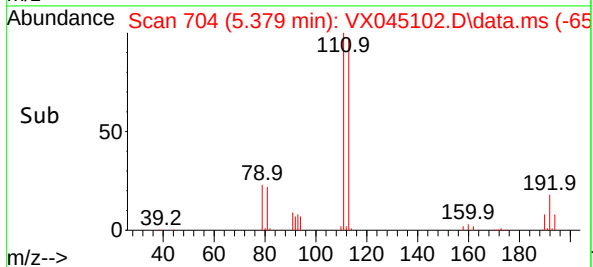
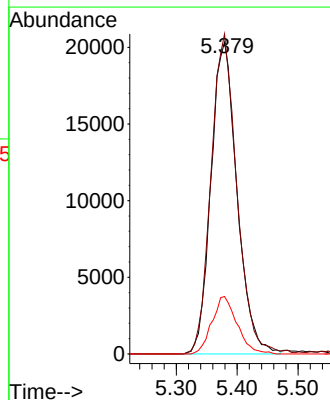
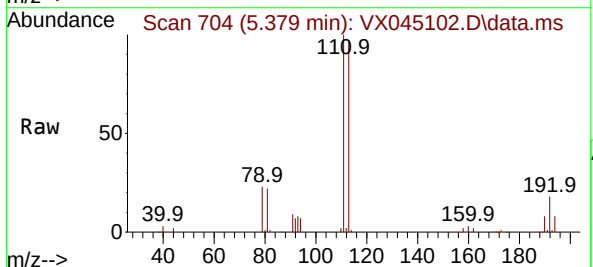
Instrument :
MSVOA_X
ClientSampleId :
VX0303WBL01

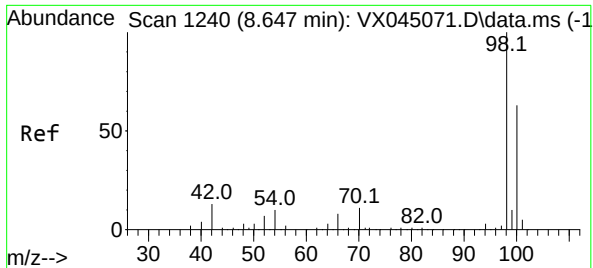
Tgt Ion:114 Resp: 176545
Ion Ratio Lower Upper
114 100
63 21.1 0.0 41.8
88 15.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.128 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045102.D
Acq: 03 Mar 2025 09:39

Tgt Ion:113 Resp: 60357
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.6
192 17.8 14.3 21.5

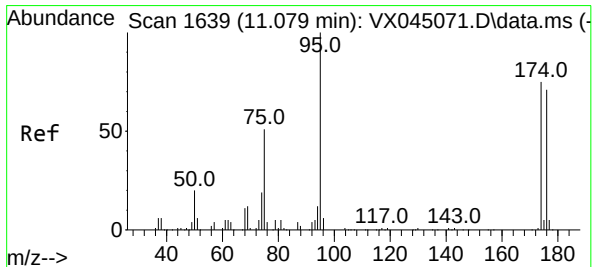
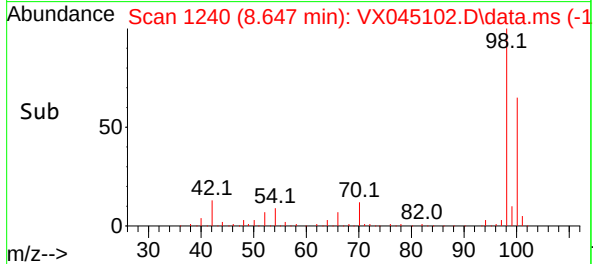
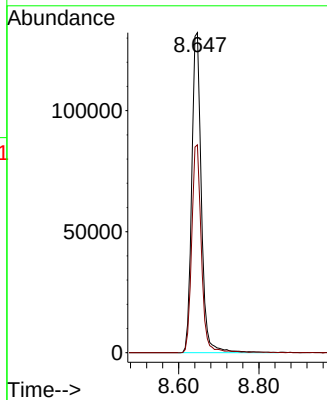
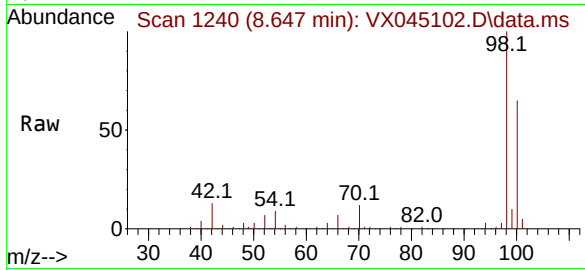




#50
Toluene-d8
Concen: 51.363 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045102.D
Acq: 03 Mar 2025 09:39

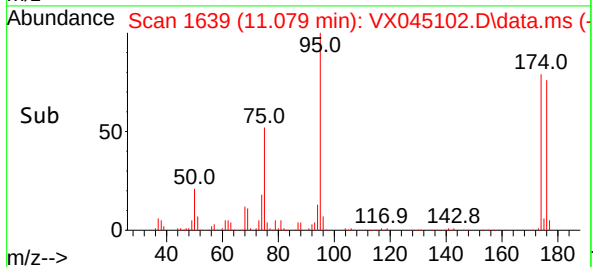
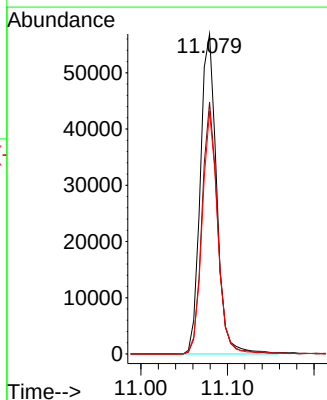
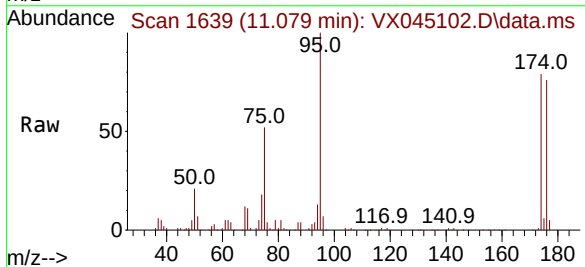
Instrument :
MSVOA_X
ClientSampleId :
VX0303WBL01

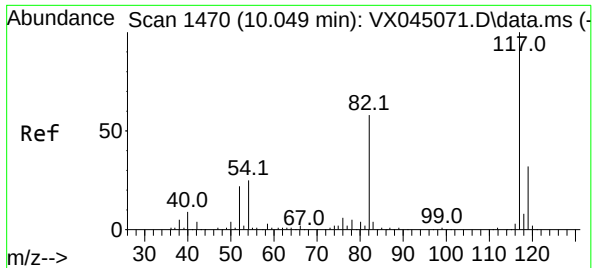
Tgt Ion: 98 Resp: 219822
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 52.552 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045102.D
Acq: 03 Mar 2025 09:39

Tgt Ion: 95 Resp: 74529
Ion Ratio Lower Upper
95 100
174 75.6 0.0 148.2
176 72.7 0.0 141.4

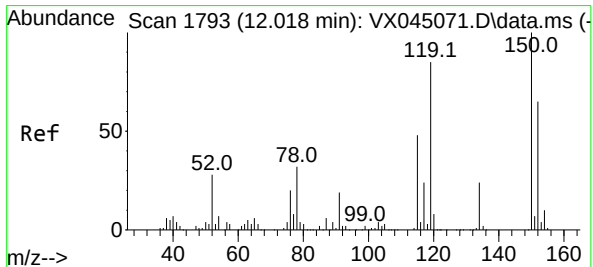
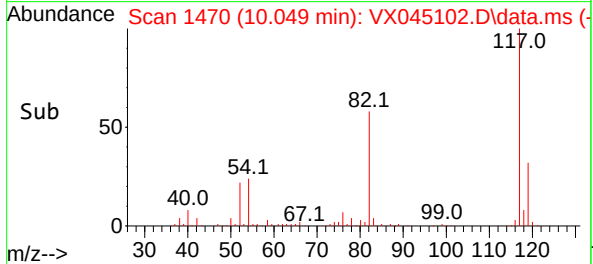
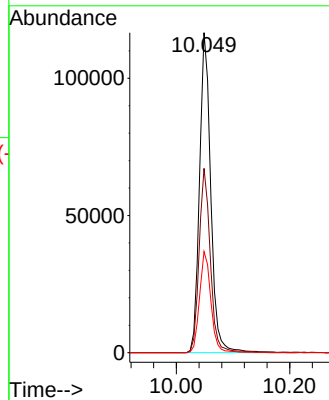
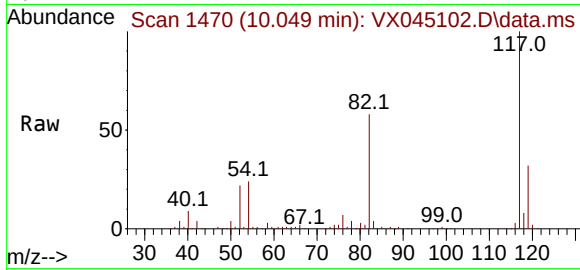




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045102.D
Acq: 03 Mar 2025 09:39

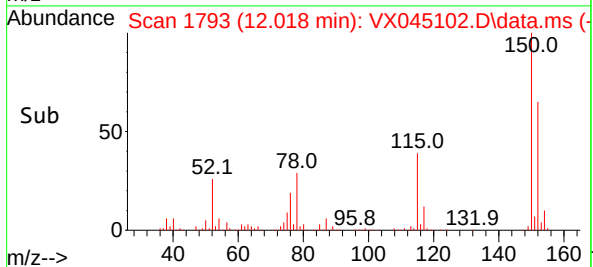
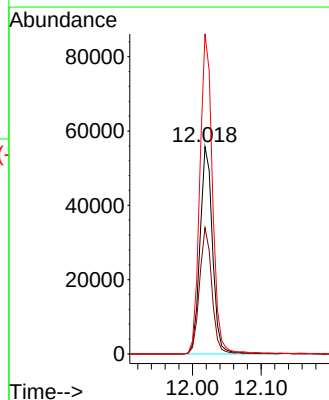
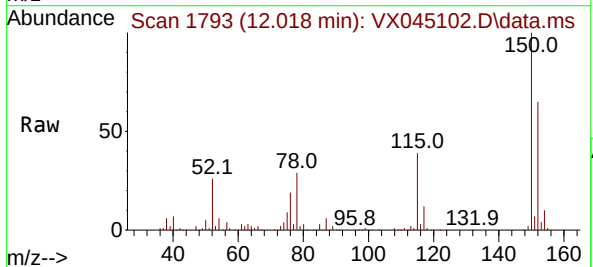
Instrument :
MSVOA_X
ClientSampleId :
VX0303WBL01

Tgt Ion:117 Resp: 160387
Ion Ratio Lower Upper
117 100
82 57.6 46.3 69.5
119 31.6 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045102.D
Acq: 03 Mar 2025 09:39

Tgt Ion:152 Resp: 70988
Ion Ratio Lower Upper
152 100
115 60.4 44.2 132.6
150 155.9 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
Data File : VX045102.D
Acq On : 03 Mar 2025 09:39
Operator : JC/MD
Sample : VX0303WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0303WBL01

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\82X022825W.M

Title : SW846 8260

Signal : TIC: VX045102.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	21	25	31	rBV	12675	20398	3.45%	0.663%
2	1.575	70	80	82	rBV6	5598	14900	2.52%	0.484%
3	1.618	82	87	91	rVB5	6670	14605	2.47%	0.475%
4	5.379	689	704	719	rBV	68305	201913	34.12%	6.563%
5	5.544	719	731	748	rVV	93911	274249	46.34%	8.914%
6	5.946	788	797	814	rBV2	73824	202688	34.25%	6.588%
7	6.751	920	929	946	rBV	166239	416018	70.30%	13.522%
8	8.641	1233	1239	1255	rBV	355892	591773	100.00%	19.235%
9	10.049	1465	1470	1492	rVB	370760	513620	86.79%	16.695%
10	11.079	1633	1639	1656	rBV	286378	371116	62.71%	12.063%
11	12.018	1788	1793	1805	rBV	358235	455249	76.93%	14.797%

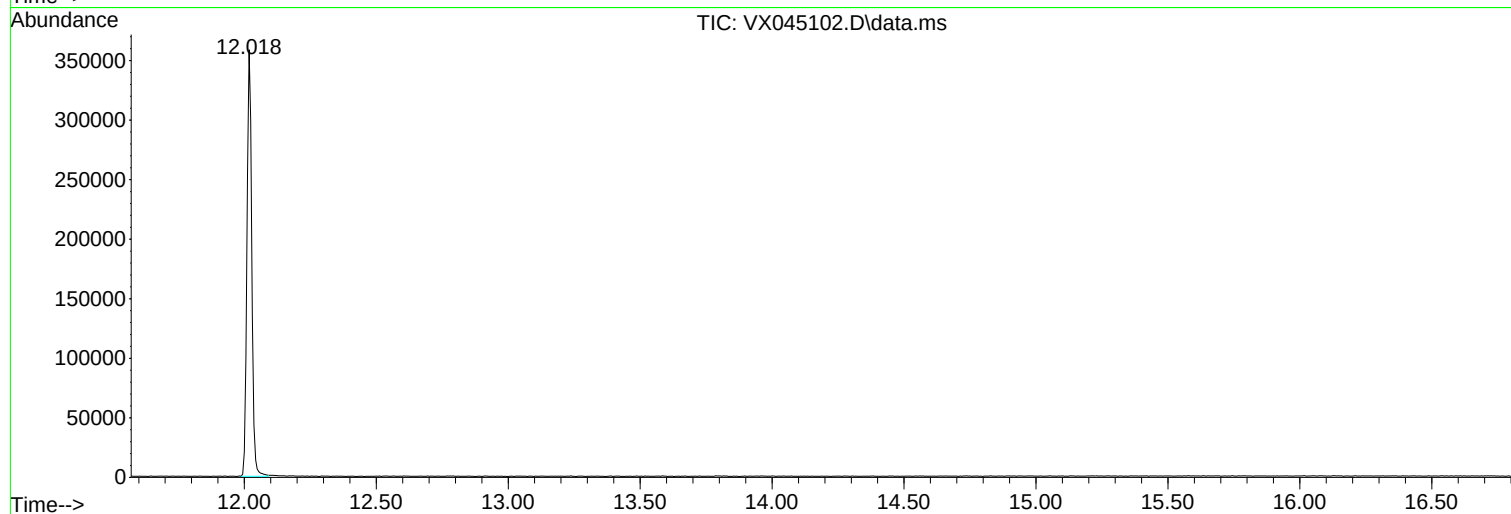
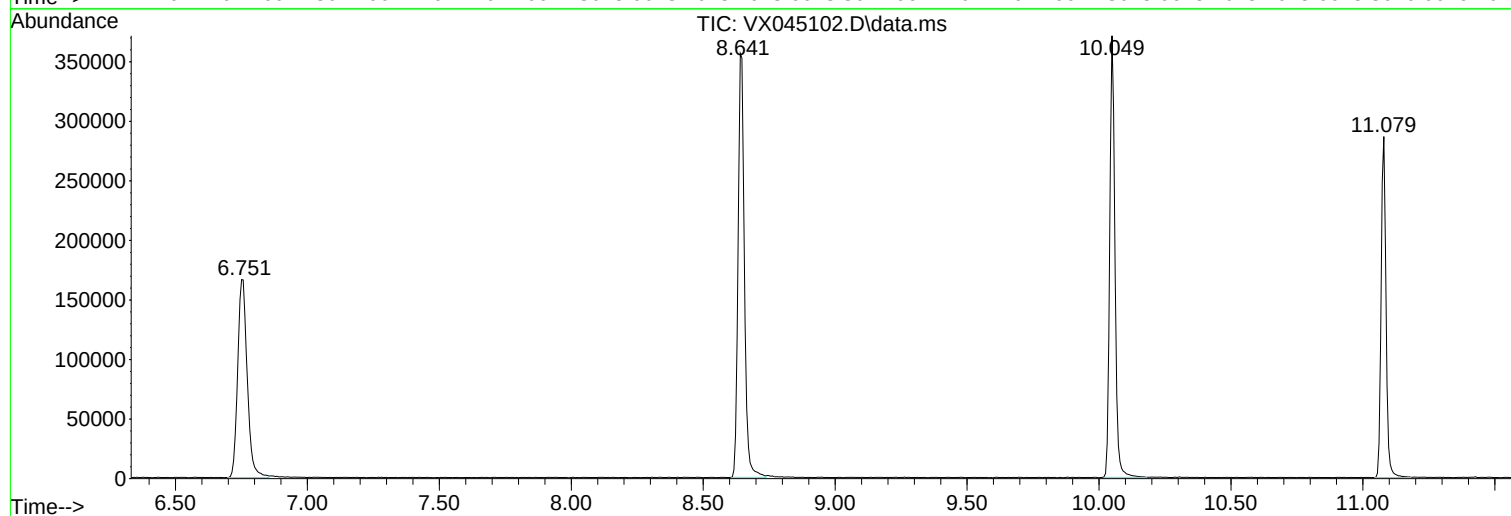
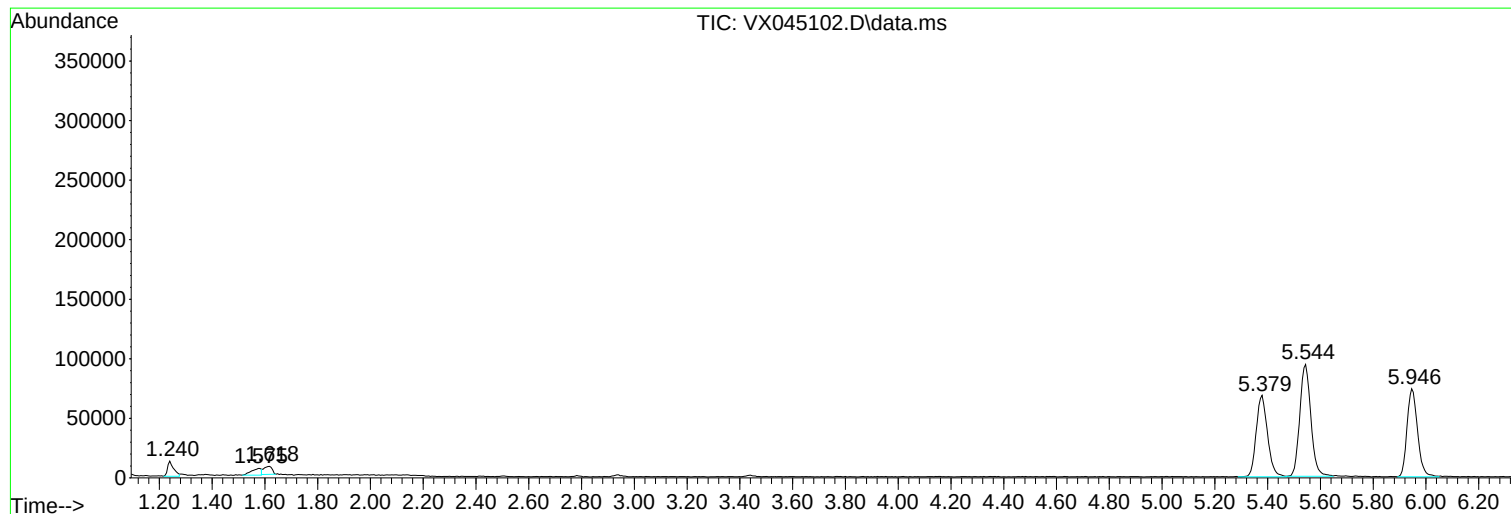
Sum of corrected areas: 3076529

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
Data File : VX045102.D
Acq On : 03 Mar 2025 09:39
Operator : JC/MD
Sample : VX0303WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0303WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
Data File : VX045102.D
Acq On : 03 Mar 2025 09:39
Operator : JC/MD
Sample : VX0303WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0303WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.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\VX030325\
Data File : VX045102.D
Acq On : 03 Mar 2025 09:39
Operator : JC/MD
Sample : VX0303WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0303WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	VX0305WBL01	SDG No.:	Q1478
Lab Sample ID:	VX0305WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045129.D	1		03/05/25 10:03	VX030525

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.		Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221		Date Received:	
Client Sample ID:	VX0305WBL01		SDG No.:	Q1478
Lab Sample ID:	VX0305WBL01		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
VX045129.D	1		03/05/25 10:03	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.7		70 (74) - 130 (125)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	68100	5.544			
540-36-3	1,4-Difluorobenzene	137000	6.757			
3114-55-4	Chlorobenzene-d5	125000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	51000	12.018			

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	VX0305WBL01	SDG No.:	Q1478
Lab Sample ID:	VX0305WBL01	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
VX045129.D	1		03/05/25 10:03	VX030525

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\VX030525\
 Data File : VX045129.D
 Acq On : 05 Mar 2025 10:03
 Operator : JC/MD
 Sample : VX0305WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0305WBL01

Quant Time: Mar 06 00:59:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	68143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	136785	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50961	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57117	52.695	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.400%
35) Dibromofluoromethane	5.385	113	46625	50.976	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.960%
50) Toluene-d8	8.647	98	169234	51.037	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.080%
62) 4-Bromofluorobenzene	11.079	95	56568	51.482	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.960%

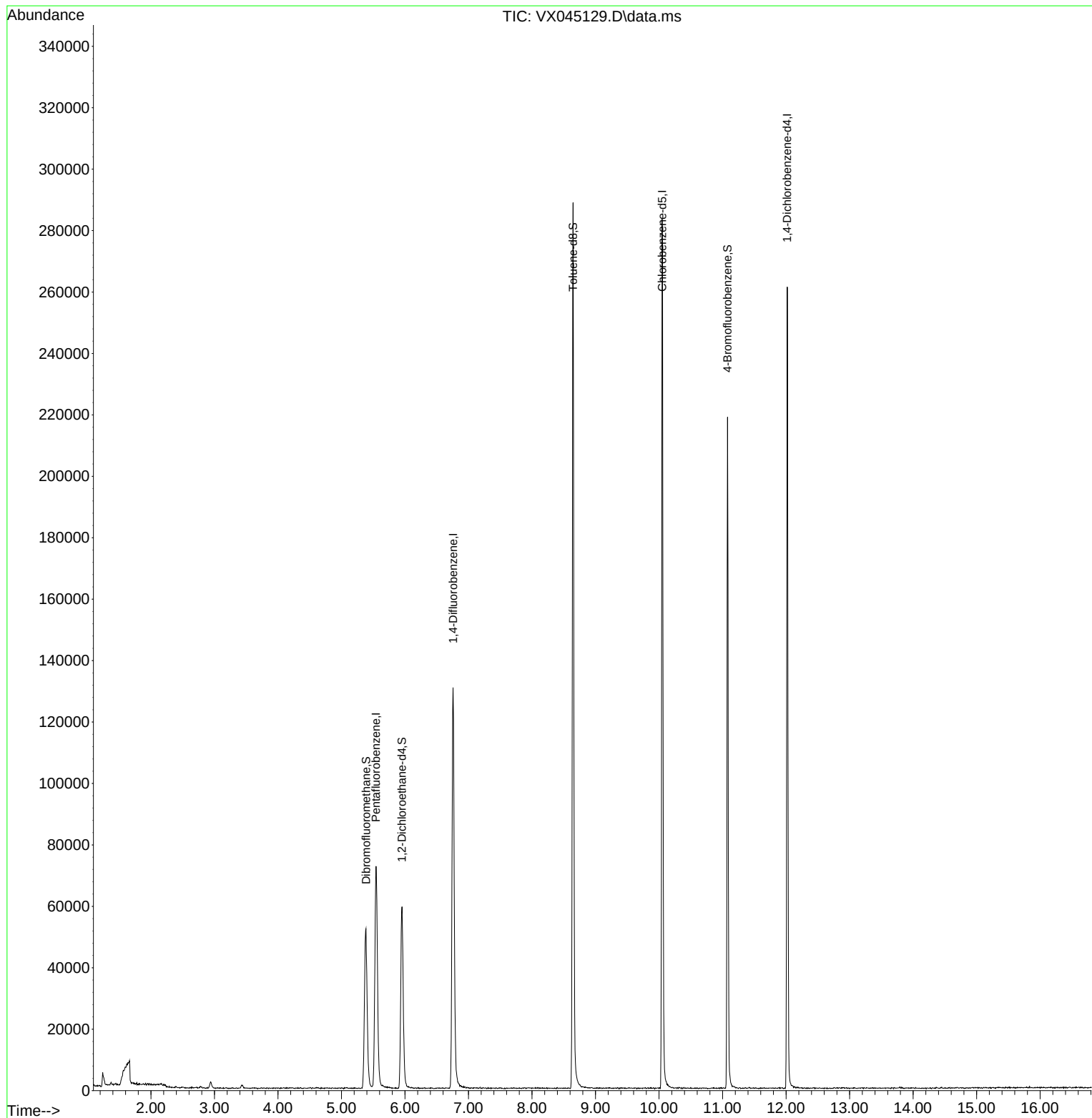
Target Compounds	Qvalue

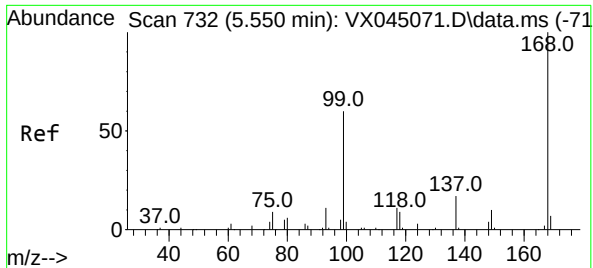
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045129.D
Acq On : 05 Mar 2025 10:03
Operator : JC/MD
Sample : VX0305WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

Quant Time: Mar 06 00:59:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

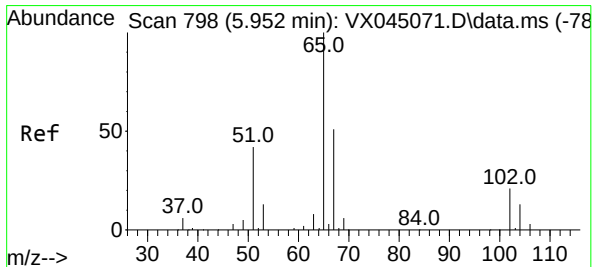
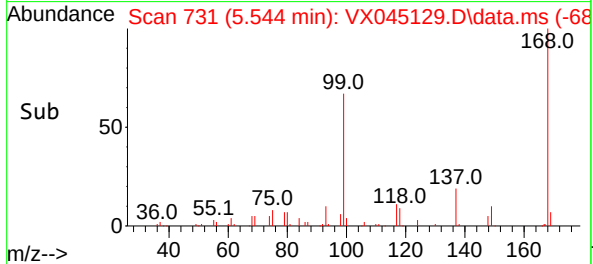
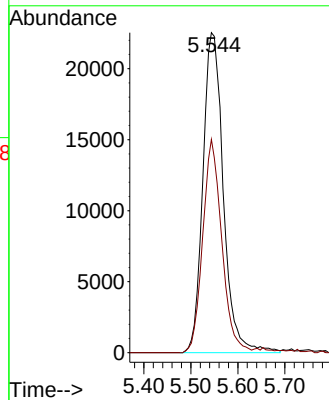
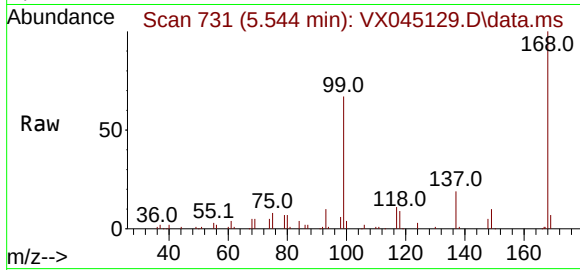




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045129.D
Acq: 05 Mar 2025 10:03

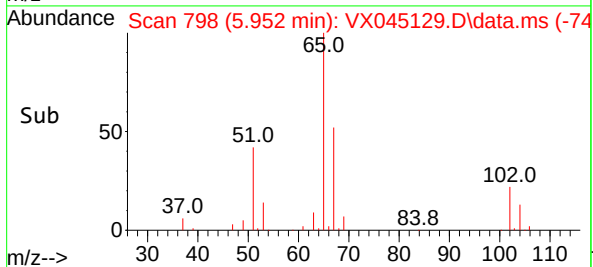
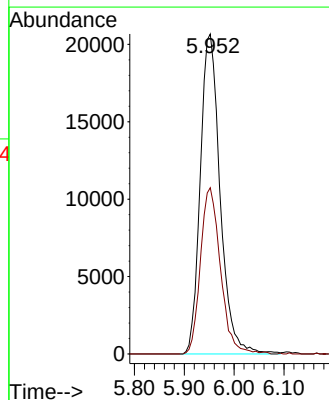
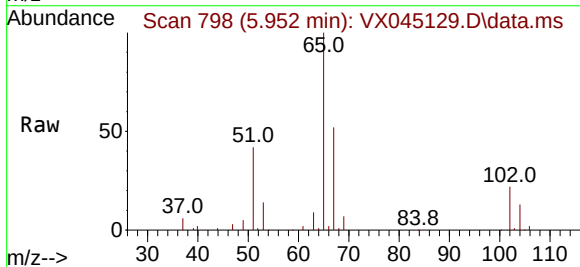
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

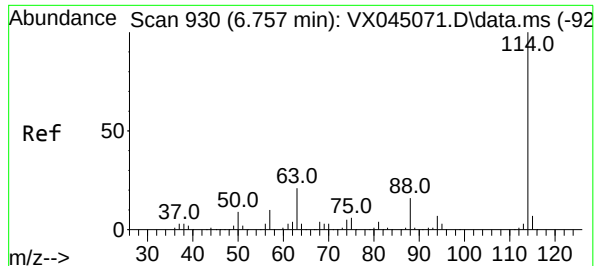
Tgt Ion:168 Resp: 68143
Ion Ratio Lower Upper
168 100
99 66.6 48.2 72.4



#33
1,2-Dichloroethane-d4
Concen: 52.695 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045129.D
Acq: 05 Mar 2025 10:03

Tgt Ion: 65 Resp: 57117
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX045129.D

Acq: 05 Mar 2025 10:03

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBL01

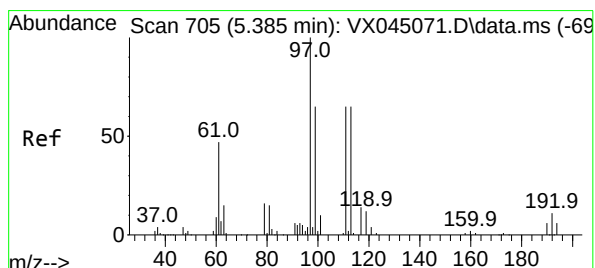
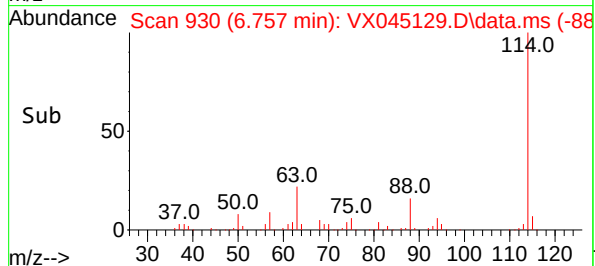
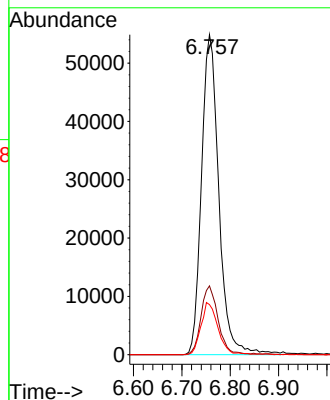
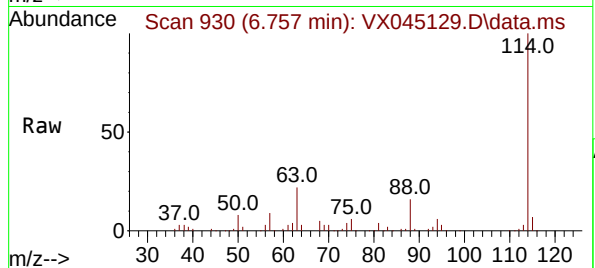
Tgt Ion:114 Resp: 136785

Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.8

88 15.7 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.976 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX045129.D

Acq: 05 Mar 2025 10:03

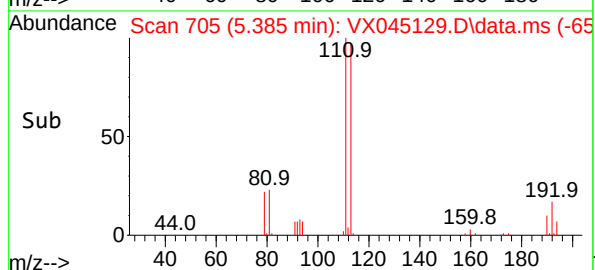
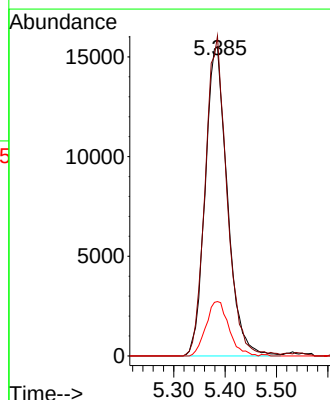
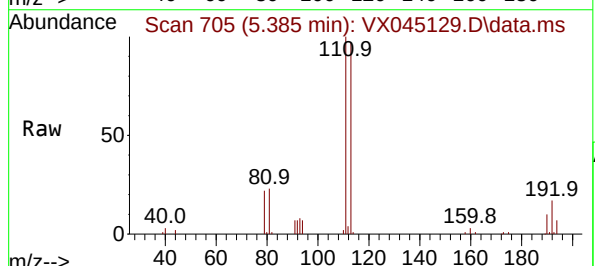
Tgt Ion:113 Resp: 46625

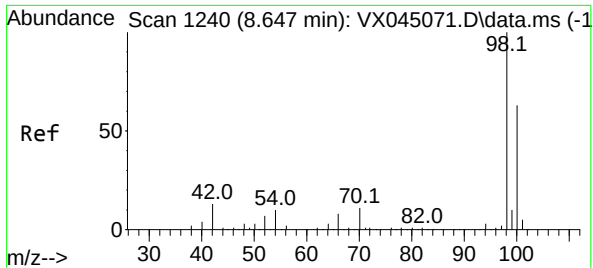
Ion Ratio Lower Upper

113 100

111 100.8 81.8 122.6

192 18.1 14.3 21.5

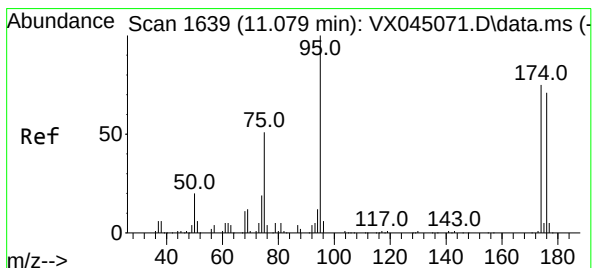
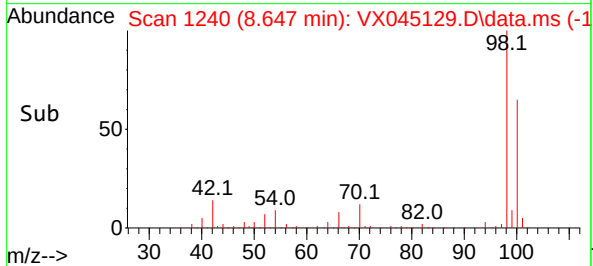
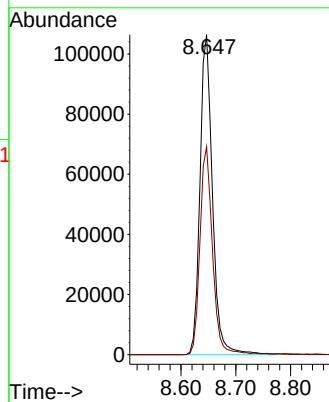
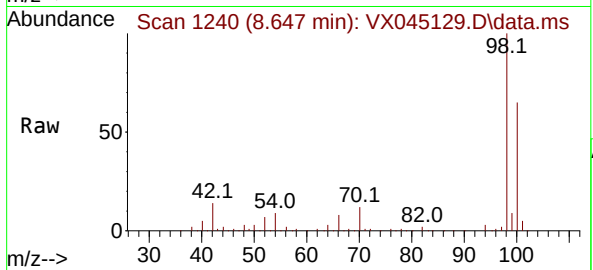




#50
Toluene-d8
Concen: 51.037 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045129.D
Acq: 05 Mar 2025 10:03

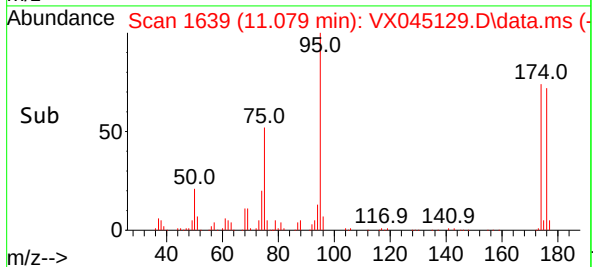
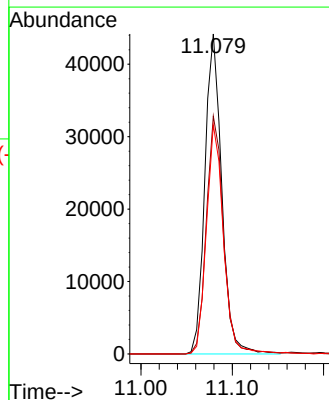
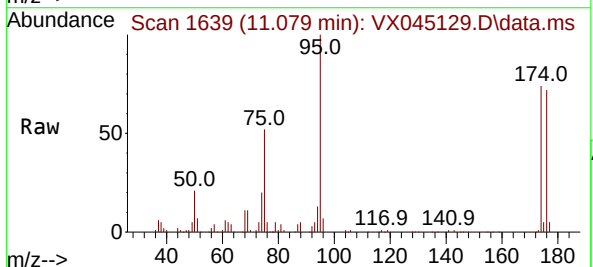
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

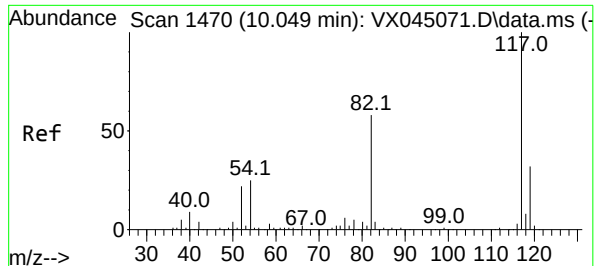
Tgt Ion: 98 Resp: 169234
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 51.482 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045129.D
Acq: 05 Mar 2025 10:03

Tgt Ion: 95 Resp: 56568
Ion Ratio Lower Upper
95 100
174 75.6 0.0 148.2
176 72.4 0.0 141.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX045129.D

Acq: 05 Mar 2025 10:03

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBL01

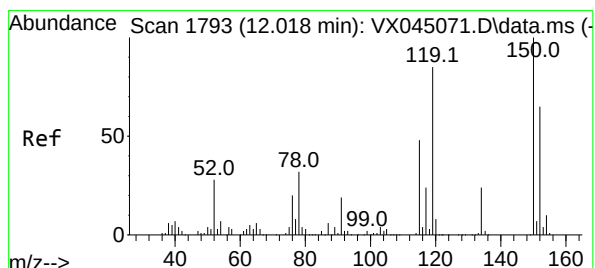
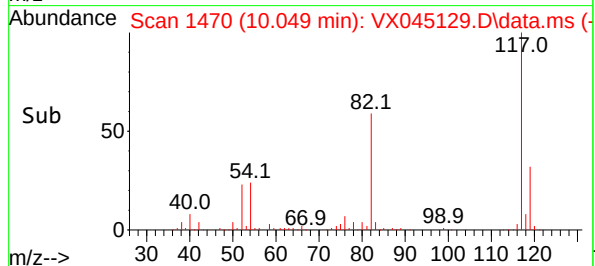
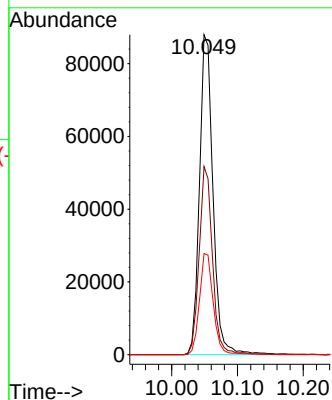
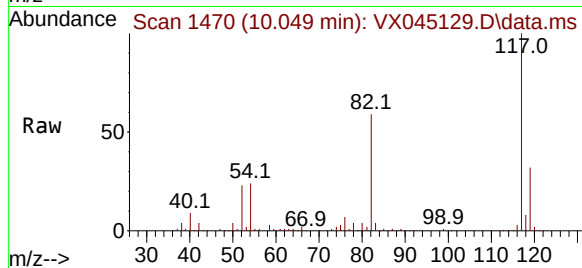
Tgt Ion:117 Resp: 125445

Ion Ratio Lower Upper

117 100

82 58.8 46.3 69.5

119 31.6 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX045129.D

Acq: 05 Mar 2025 10:03

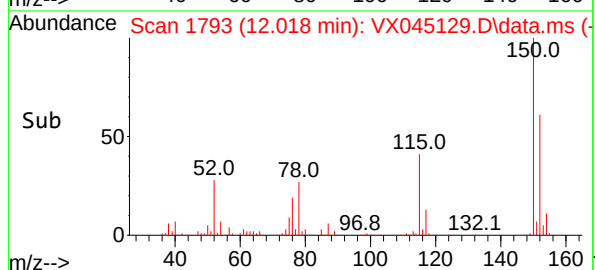
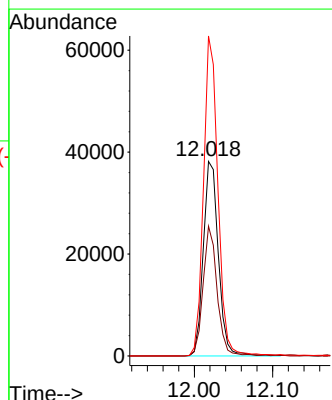
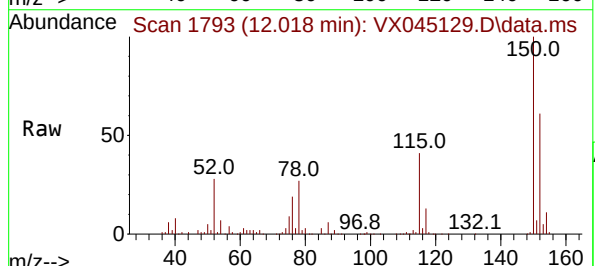
Tgt Ion:152 Resp: 50961

Ion Ratio Lower Upper

152 100

115 62.2 44.2 132.6

150 158.0 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045129.D
Acq On : 05 Mar 2025 10:03
Operator : JC/MD
Sample : VX0305WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

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\82X022825W.M

Title : SW846 8260

Signal : TIC: VX045129.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	21	25	34	rBV2	4585	9025	1.96%	0.386%
2	1.563	69	78	79	rBV4	4725	9424	2.04%	0.403%
3	5.385	695	705	719	rBV	51879	154017	33.38%	6.584%
4	5.544	721	731	746	rVV	71740	205467	44.53%	8.783%
5	5.952	786	798	814	rBV	59212	161982	35.11%	6.924%
6	6.757	921	930	945	rBV	130477	322367	69.87%	13.780%
7	8.647	1233	1240	1257	rBV	288427	461364	100.00%	19.721%
8	10.049	1465	1470	1488	rBV	283057	403560	87.47%	17.251%
9	11.079	1634	1639	1651	rBV	218519	281517	61.02%	12.034%
10	12.018	1788	1793	1804	rBV	260936	330683	71.68%	14.135%

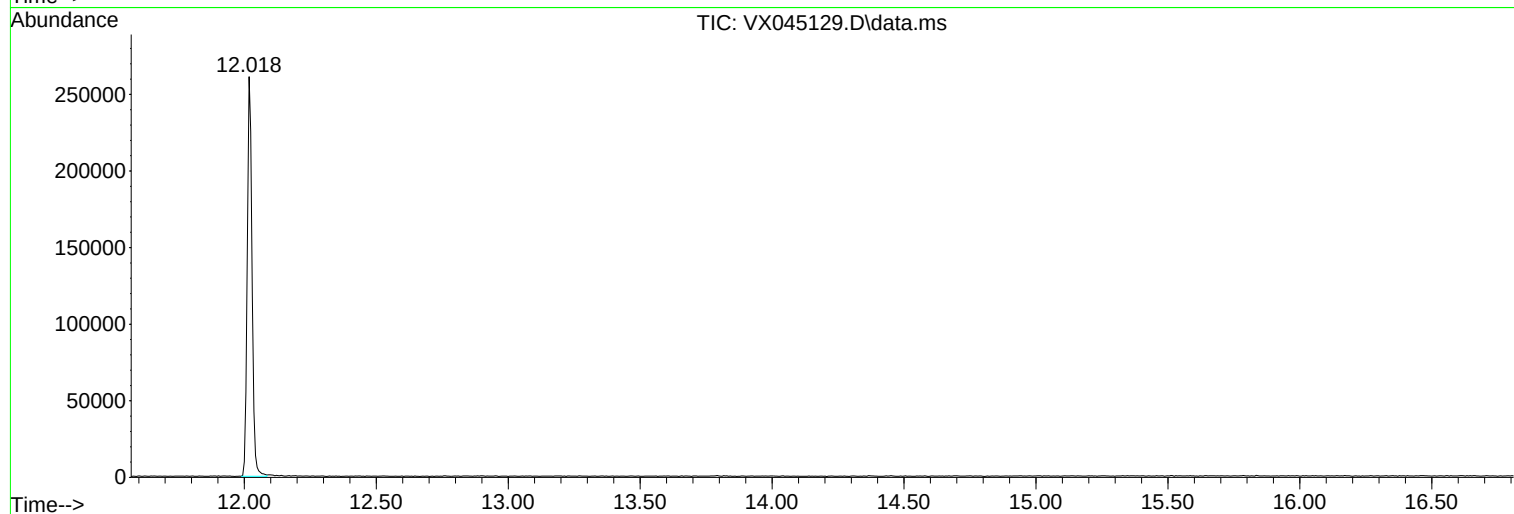
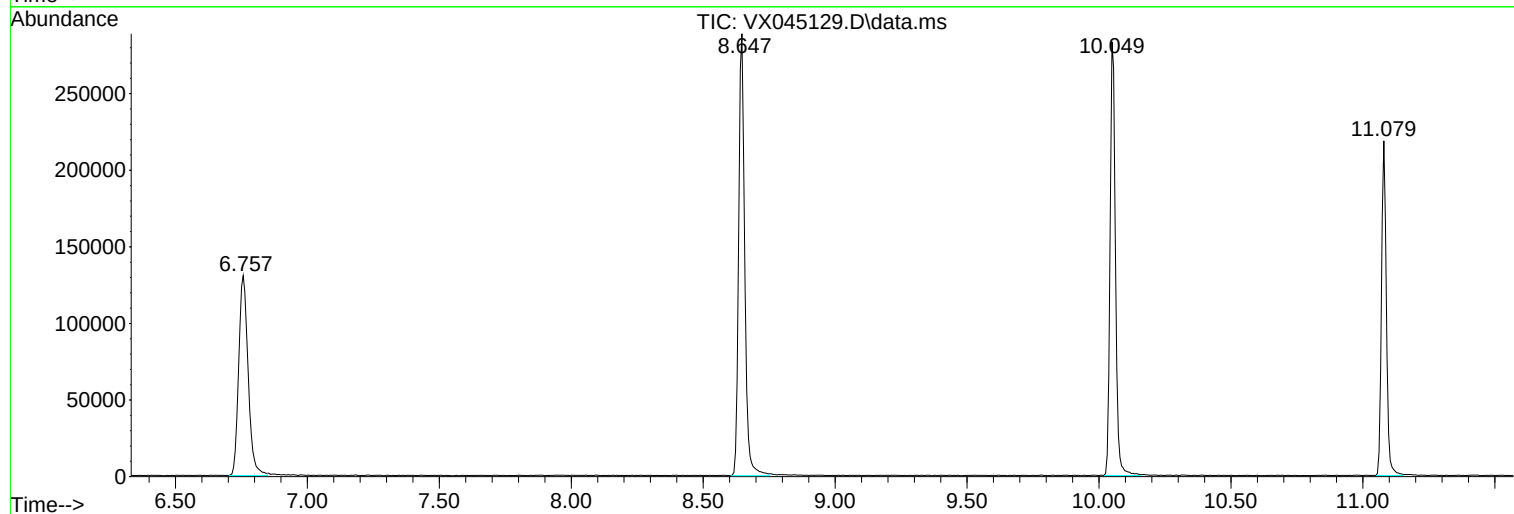
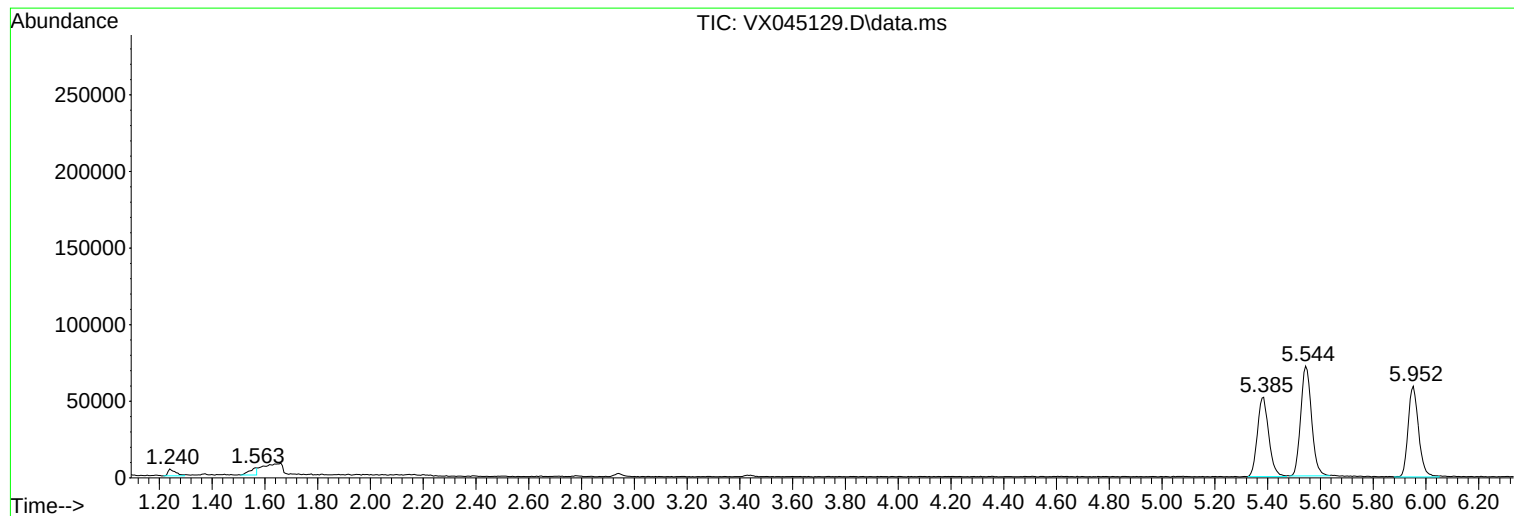
Sum of corrected areas: 2339406

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045129.D
Acq On : 05 Mar 2025 10:03
Operator : JC/MD
Sample : VX0305WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045129.D
Acq On : 05 Mar 2025 10:03
Operator : JC/MD
Sample : VX0305WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.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\VX030525\
Data File : VX045129.D
Acq On : 05 Mar 2025 10:03
Operator : JC/MD
Sample : VX0305WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	VX0303WBS01	SDG No.:	Q1478
Lab Sample ID:	VX0303WBS01	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
VX045103.D	1		03/03/25 10:37	VX030325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.4		0.21	1.00	ug/L
74-87-3	Chloromethane	18.4		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	18.0		0.34	1.00	ug/L
74-83-9	Bromomethane	18.7		1.40	5.00	ug/L
75-00-3	Chloroethane	22.0		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.1		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.9		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.7		0.26	1.00	ug/L
67-64-1	Acetone	89.0		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	18.4		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	16.8		0.16	1.00	ug/L
79-20-9	Methyl Acetate	14.8		0.60	1.00	ug/L
75-09-2	Methylene Chloride	16.9		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.8		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.4		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.7		1.60	5.00	ug/L
78-93-3	2-Butanone	81.6		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.1		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.0		0.25	1.00	ug/L
74-97-5	Bromochloromethane	14.7		0.18	1.00	ug/L
67-66-3	Chloroform	17.4		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.4		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	21.4		0.19	1.00	ug/L
71-43-2	Benzene	18.4		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	17.9		0.24	1.00	ug/L
79-01-6	Trichloroethene	18.7		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	17.2		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	18.0		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	82.0		0.75	5.00	ug/L
108-88-3	Toluene	19.4		0.18	1.00	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	VX0303WBS01	SDG No.:	Q1478
Lab Sample ID:	VX0303WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045103.D	1		03/03/25 10:37	VX030325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.6		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.6		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	17.7		0.21	1.00	ug/L
591-78-6	2-Hexanone	84.8		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	19.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.0		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.8		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.2		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	19.2		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	39.6		0.31	2.00	ug/L
95-47-6	o-Xylene	19.3		0.14	1.00	ug/L
100-42-5	Styrene	19.6		0.16	1.00	ug/L
75-25-2	Bromoform	18.1		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	18.6		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	16.1		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.3		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.9		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.9		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	15.9		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.4		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.9		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.1		70 (74) - 130 (125)	92%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	50.1		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		70 (77) - 130 (121)	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	102000	5.537			
540-36-3	1,4-Difluorobenzene	181000	6.751			
3114-55-4	Chlorobenzene-d5	158000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	74800	12.018			

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	VX0303WBS01	SDG No.:	Q1478
Lab Sample ID:	VX0303WBS01	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
VX045103.D	1		03/03/25 10:37	VX030325

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\VX030325\
 Data File : VX045103.D
 Acq On : 03 Mar 2025 10:37
 Operator : JC/MD
 Sample : VX0303WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0303WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/04/2025
 Supervised By : Mahesh Dadoda 03/04/2025

Quant Time: Mar 04 05:18:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	102460	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.751	114	180548	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	158197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	75179	46.128	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.260%		
35) Dibromofluoromethane	5.373	113	58796	48.701	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.400%		
50) Toluene-d8	8.641	98	219153	50.071	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.140%		
62) 4-Bromofluorobenzene	11.079	95	75163	51.824	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.640%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	25066	19.435	ug/l	94
3) Chloromethane	1.294	50	29094	18.433	ug/l	98
4) Vinyl Chloride	1.374	62	28242	18.037	ug/l	97
5) Bromomethane	1.593	94	11495	18.675	ug/l	93
6) Chloroethane	1.666	64	15886	21.996	ug/l	95
7) Trichlorofluoromethane	1.873	101	39682	19.144	ug/l	98
8) Diethyl Ether	2.130	74	14270	17.601	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	23700	19.902	ug/l	98
10) Methyl Iodide	2.440	142	26131	17.559	ug/l	99
11) Tert butyl alcohol	2.971	59	21071	68.256	ug/l	100
12) 1,1-Dichloroethene	2.312	96	22268	17.687	ug/l	98
13) Acrolein	2.233	56	31799	89.109	ug/l	99
14) Allyl chloride	2.654	41	41551	18.540	ug/l	98
15) Acrylonitrile	3.056	53	62957	76.093	ug/l	99
16) Acetone	2.373	43	67305	89.008	ug/l	100
17) Carbon Disulfide	2.501	76	61674	18.392	ug/l	98
18) Methyl Acetate	2.697	43	26896	14.785	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	71057	16.822	ug/l	99
20) Methylene Chloride	2.782	84	25326	16.908	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	23364	18.784	ug/l	98
22) Diisopropyl ether	3.751	45	81015	17.775	ug/l	89
23) Vinyl Acetate	3.709	43	330053	86.774	ug/l	99
24) 1,1-Dichloroethane	3.599	63	44488	17.416	ug/l	99
25) 2-Butanone	4.544	43	92889	81.609	ug/l	98
26) 2,2-Dichloropropane	4.464	77	32775	27.355	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	27613	17.984	ug/l	97
28) Bromochloromethane	4.879	49	17861	14.670	ug/l	99
29) Tetrahydrofuran	4.995	42	55217	72.239	ug/l	99
30) Chloroform	5.080	83	44165	17.401	ug/l	95
31) Cyclohexane	5.458	56	41419	18.680	ug/l	93
32) 1,1,1-Trichloroethane	5.361	97	37654	18.369	ug/l	99
36) 1,1-Dichloropropene	5.684	75	30245	18.268	ug/l	99
37) Ethyl Acetate	4.702	43	32745	15.349	ug/l	99
38) Carbon Tetrachloride	5.665	117	32188	19.149	ug/l	97
39) Methylcyclohexane	7.366	83	42382	21.363	ug/l	100
40) Benzene	6.025	78	96177	18.396	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
 Data File : VX045103.D
 Acq On : 03 Mar 2025 10:37
 Operator : JC/MD
 Sample : VX0303WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0303WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/04/2025
 Supervised By : Mahesh Dadoda 03/04/2025

Quant Time: Mar 04 05:18:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	18283	15.849	ug/l	97
42) 1,2-Dichloroethane	6.074	62	33679	17.889	ug/l	99
43) Isopropyl Acetate	6.330	43	51906	16.453	ug/l	99
44) Trichloroethene	7.116	130	22974	18.714	ug/l	98
45) 1,2-Dichloropropane	7.421	63	23098	17.183	ug/l	97
46) Dibromomethane	7.574	93	17534	18.455	ug/l	97
47) Bromodichloromethane	7.811	83	33516	17.984	ug/l	98
48) Methyl methacrylate	7.690	41	25776	16.286	ug/l	98
49) 1,4-Dioxane	7.659	88	10856	325.173	ug/l	97
51) 4-Methyl-2-Pentanone	8.567	43	173684	81.995	ug/l	100
52) Toluene	8.714	92	59364	19.353	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	30489	19.569	ug/l	95
54) cis-1,3-Dichloropropene	8.360	75	35606	19.598	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	22414	17.749	ug/l	98
56) Ethyl methacrylate	9.110	69	32981	17.182	ug/l	97
57) 1,3-Dichloropropane	9.305	76	40191	18.391	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.232	63	64078	68.432	ug/l	99
59) 2-Hexanone	9.427	43	130199	84.835	ug/l	100
60) Dibromochloromethane	9.512	129	25034	18.960	ug/l	100
61) 1,2-Dibromoethane	9.604	107	22726	18.027	ug/l	98
64) Tetrachloroethene	9.268	164	20077	19.816	ug/l	96
65) Chlorobenzene	10.073	112	64145	19.163	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	20407	18.306	ug/l	98
67) Ethyl Benzene	10.189	91	111695	19.150	ug/l	98
68) m/p-Xylenes	10.299	106	84625	39.633	ug/l	99
69) o-Xylene	10.640	106	41466	19.255	ug/l	99
70) Styrene	10.652	104	68447	19.643	ug/l	99
71) Bromoform	10.799	173	15201	18.083	ug/l #	100
73) Isopropylbenzene	10.957	105	108287	18.555	ug/l	98
74) N-amyl acetate	10.841	43	45473	16.605	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	34485	16.102	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	28826m	16.564	ug/l	
77) Bromobenzene	11.195	156	25018	18.169	ug/l	98
78) n-propylbenzene	11.299	91	125099	18.976	ug/l	100
79) 2-Chlorotoluene	11.360	91	76201	18.149	ug/l	99
80) 1,3,5-Trimethylbenzene	11.445	105	90205	19.116	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	8298	16.317	ug/l	94
82) 4-Chlorotoluene	11.451	91	87488	19.119	ug/l	99
83) tert-Butylbenzene	11.713	119	90963	18.761	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	90800	19.123	ug/l	100
85) sec-Butylbenzene	11.890	105	114262	19.673	ug/l	99
86) p-Isopropyltoluene	12.006	119	94107	20.050	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	47471	19.325	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	46996	18.910	ug/l	97
89) n-Butylbenzene	12.329	91	83532	20.663	ug/l	99
90) Hexachloroethane	12.536	117	15374	18.109	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	46628	18.922	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6641	15.917	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	27198	19.384	ug/l	98
94) Hexachlorobutadiene	13.719	225	11655	20.261	ug/l	98
95) Naphthalene	13.774	128	93249	17.297	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	27931	18.870	ug/l	97

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Data File : VX045103.D
Acq On : 03 Mar 2025 10:37
Operator : JC/MD
Sample : VX0303WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0303WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025

Quant Time: Mar 04 05:18:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

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

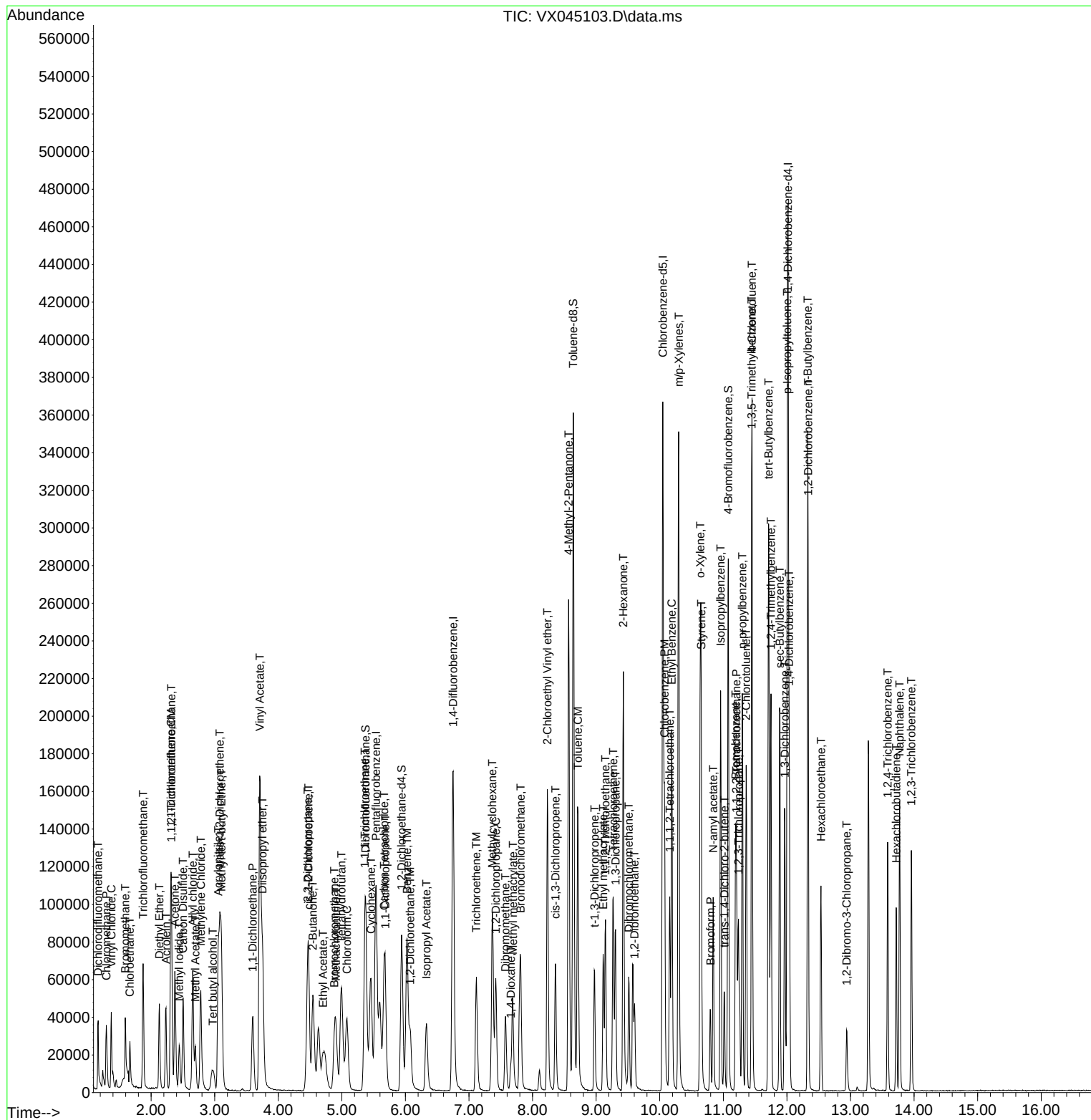
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Sample : VX0303WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

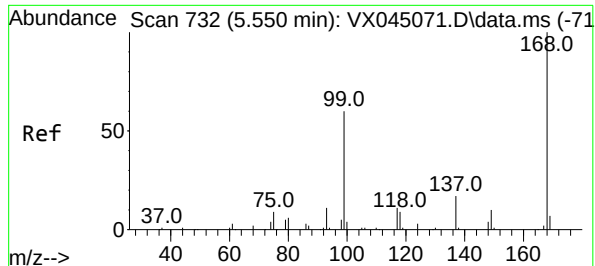
Instrument :
MSVOA_X
ClientSampleId :
VX0303WBS01

Manual Integrations

Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025

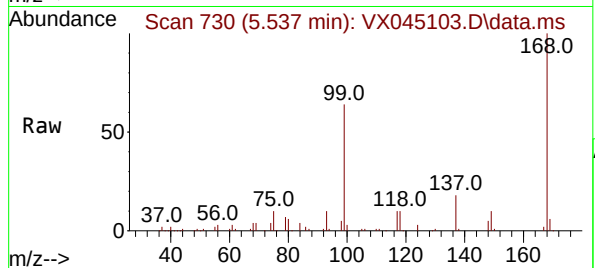
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.013 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

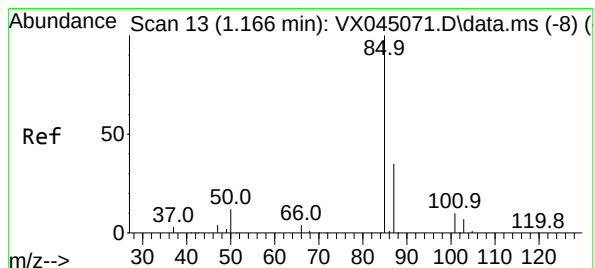
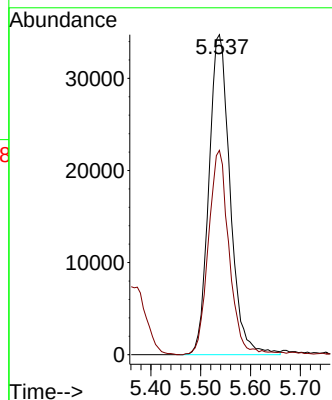
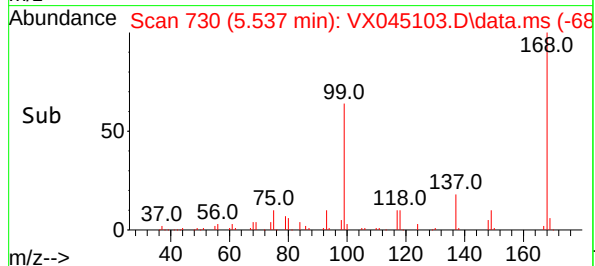
Instrument :
MSVOA_X
ClientSampleId :
VX0303WBS01



Tgt Ion:168 Resp: 102460
Ion Ratio Lower Upper
168 100
99 63.9 48.2 72.4

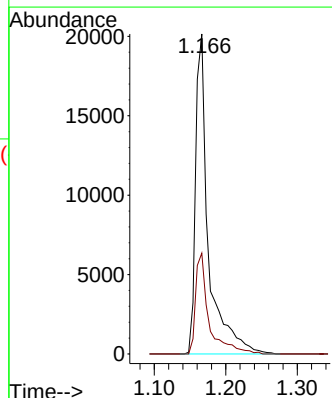
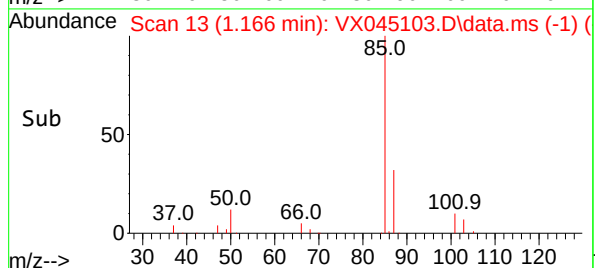
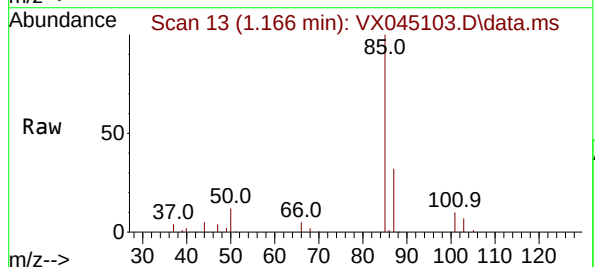
Manual Integrations
APPROVED

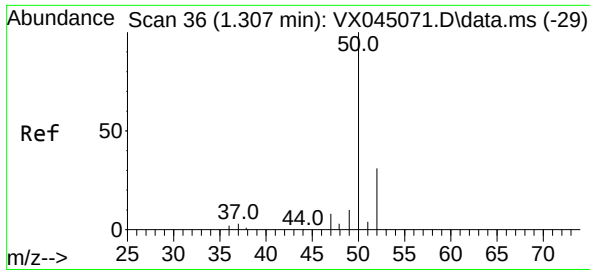
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#2
Dichlorodifluoromethane
Concen: 19.435 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

Tgt Ion: 85 Resp: 25066
Ion Ratio Lower Upper
85 100
87 31.5 17.4 52.3





#3

Chloromethane

Concen: 18.433 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.012 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VX0303WBS01

Tgt Ion: 50 Resp: 29094

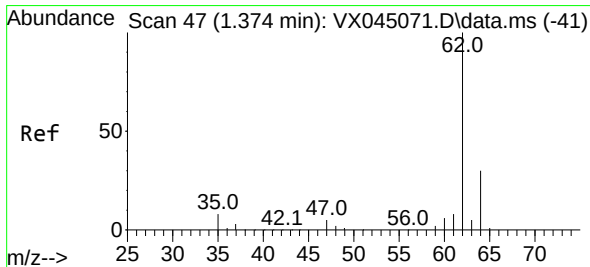
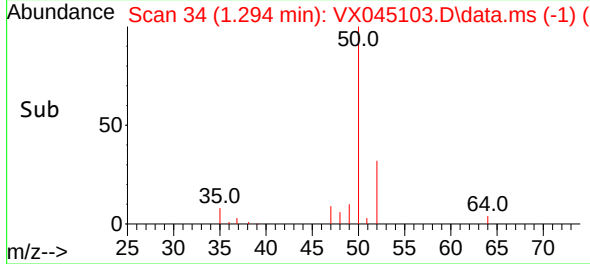
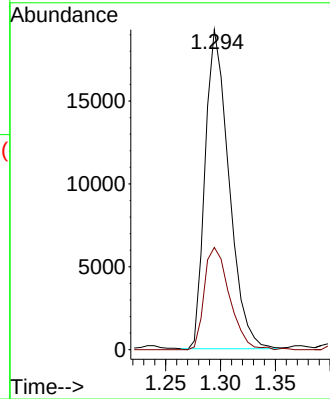
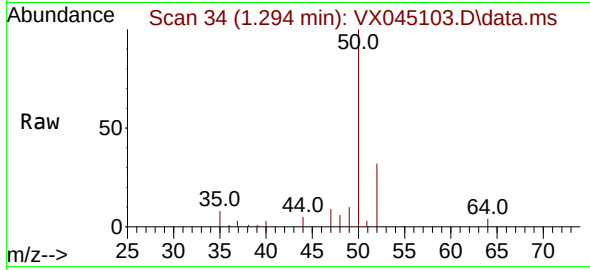
Ion	Ratio	Lower	Upper
50	100		
52	32.1	25.0	37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#4

Vinyl Chloride

Concen: 18.037 ug/l

RT: 1.374 min Scan# 47

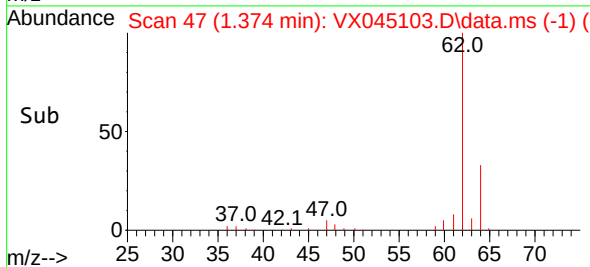
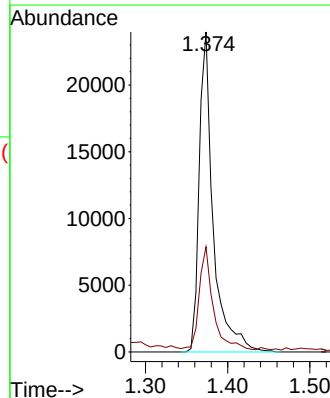
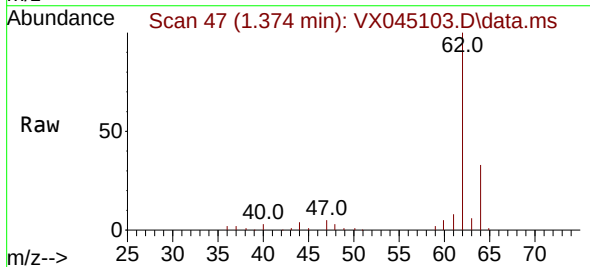
Delta R.T. -0.000 min

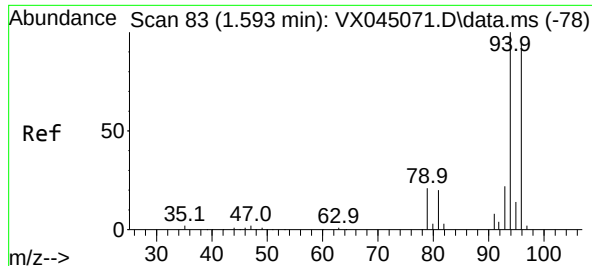
Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Tgt Ion: 62 Resp: 28242

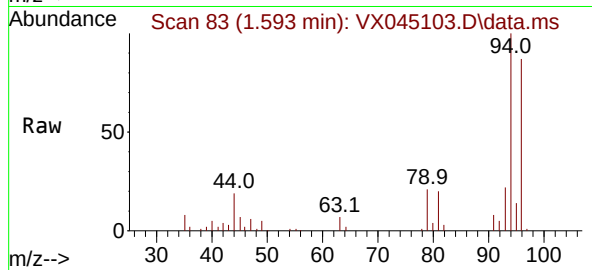
Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.3	36.5





#5
Bromomethane
Concen: 18.675 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

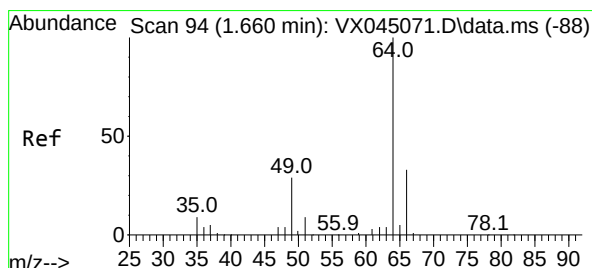
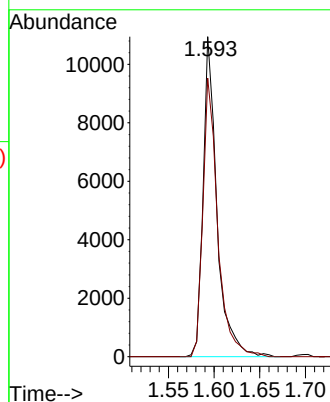
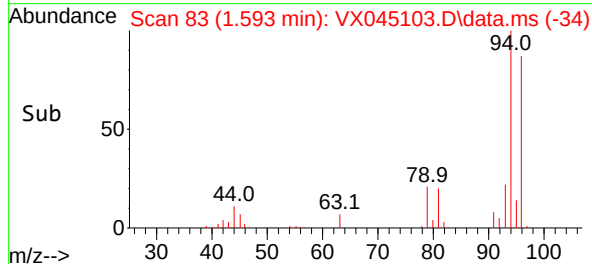
Instrument :
MSVOA_X
ClientSampleId :
VX0303WBS01



Tgt Ion: 94 Resp: 11495
Ion Ratio Lower Upper
94 100
96 87.1 75.0 112.4

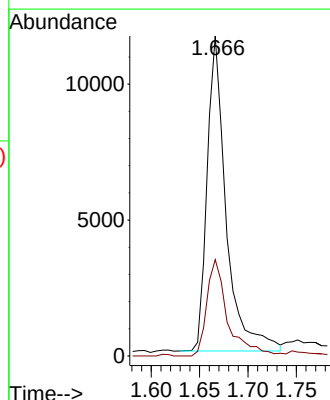
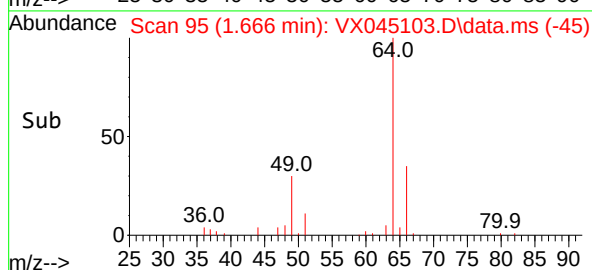
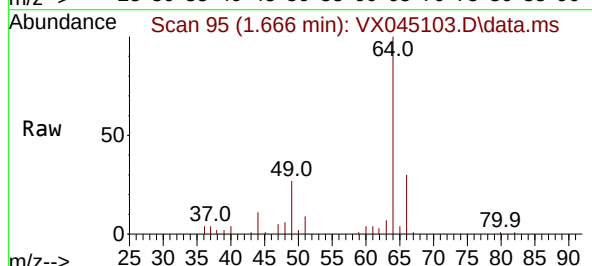
Manual Integrations
APPROVED

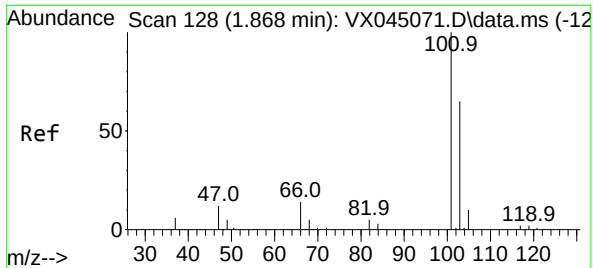
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#6
Chloroethane
Concen: 21.996 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

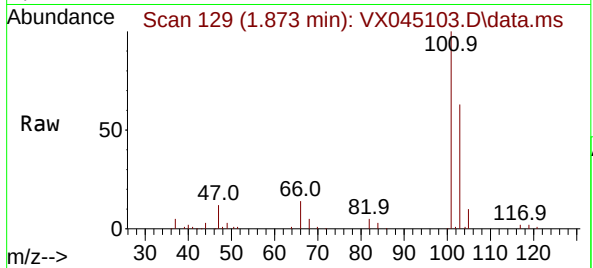
Tgt Ion: 64 Resp: 15886
Ion Ratio Lower Upper
64 100
66 30.6 26.7 40.1





#7
Trichlorofluoromethane
Concen: 19.144 ug/l
RT: 1.873 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

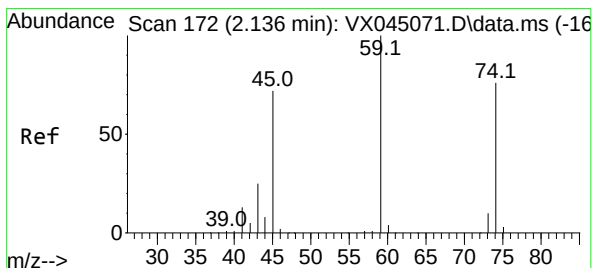
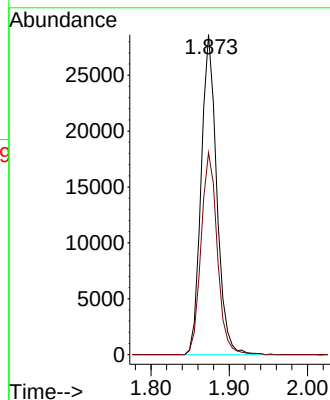
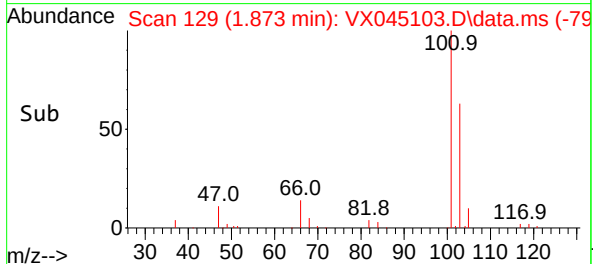
Instrument :
MSVOA_X
ClientSampleId :
VX0303WBS01



Tgt Ion:101 Resp: 3968
Ion Ratio Lower Upper
101 100
103 63.1 52.1 78.1

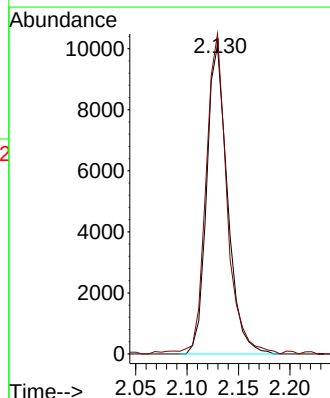
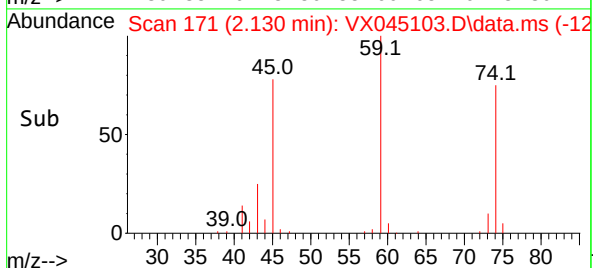
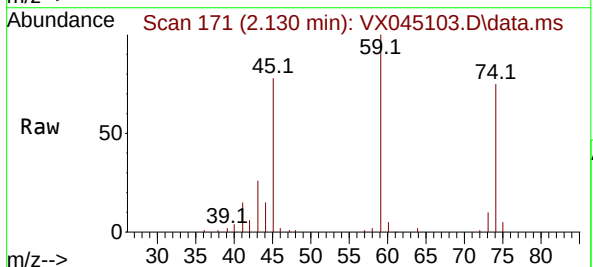
Manual Integrations
APPROVED

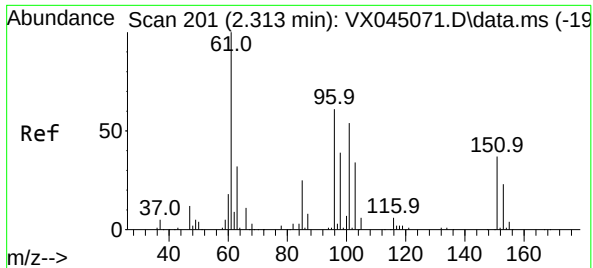
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#8
Diethyl Ether
Concen: 17.601 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

Tgt Ion: 74 Resp: 14270
Ion Ratio Lower Upper
74 100
45 104.9 51.5 154.5





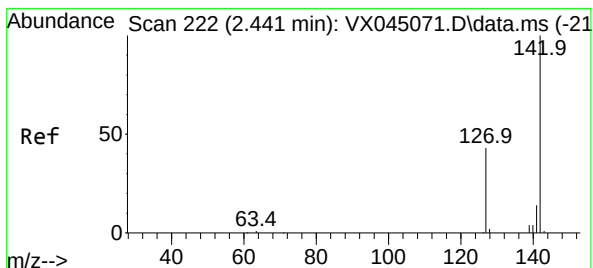
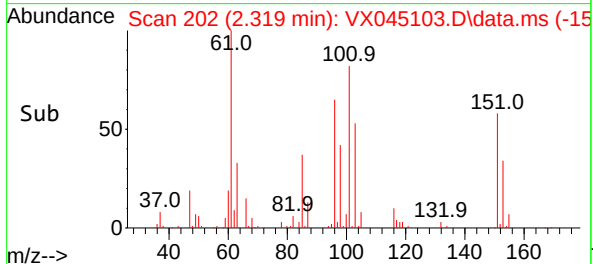
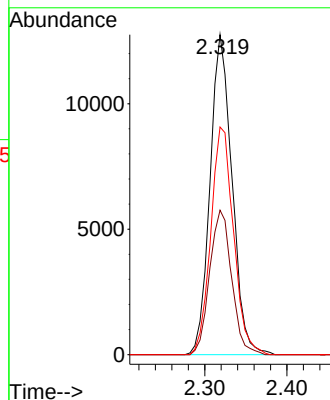
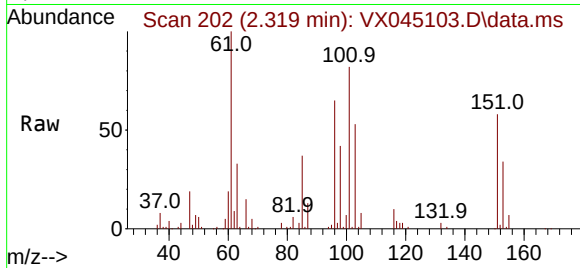
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.902 ug/l
RT: 2.319 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VX0303WBS01

Tgt Ion:101 Resp: 23700
Ion Ratio Lower Upper
101 100
85 45.2 36.2 54.4
151 73.7 56.4 84.6

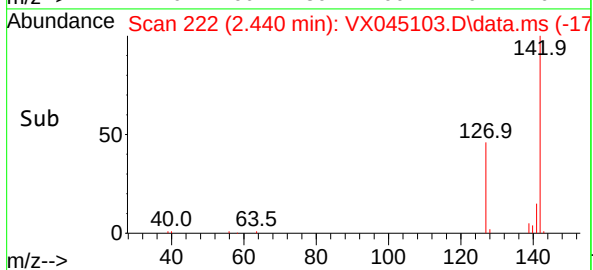
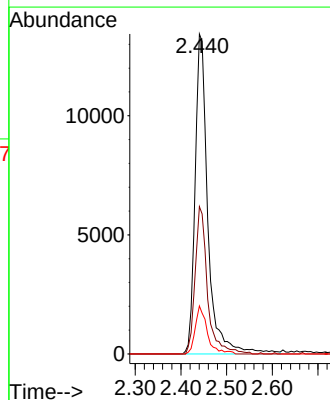
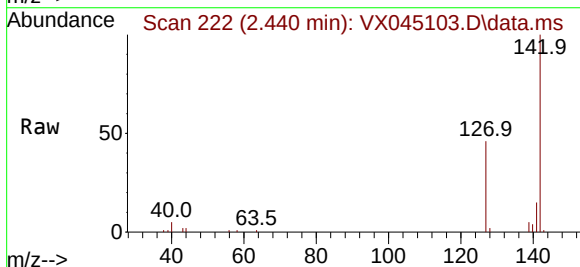
Manual Integrations
APPROVED

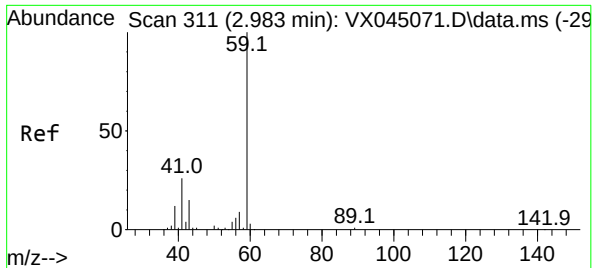
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#10
Methyl Iodide
Concen: 17.559 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

Tgt Ion:142 Resp: 26131
Ion Ratio Lower Upper
142 100
127 44.7 35.4 53.2
141 14.1 11.6 17.4





#11

Tert butyl alcohol

Concen: 68.256 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.012 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VX0303WBS01

Tgt Ion: 59 Resp: 2107

Ion Ratio Lower Upper

59 100

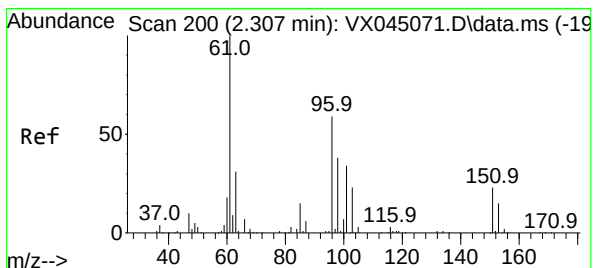
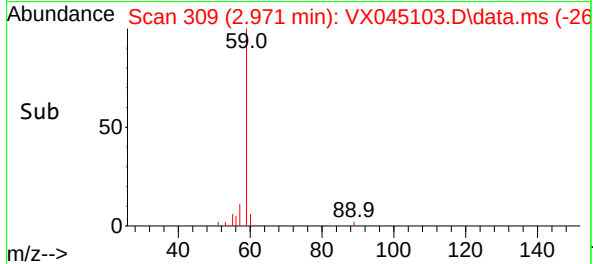
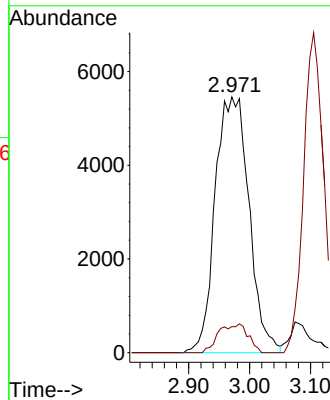
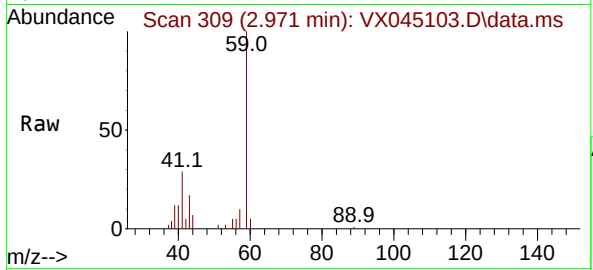
57 9.8 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#12

1,1-Dichloroethene

Concen: 17.687 ug/l

RT: 2.312 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

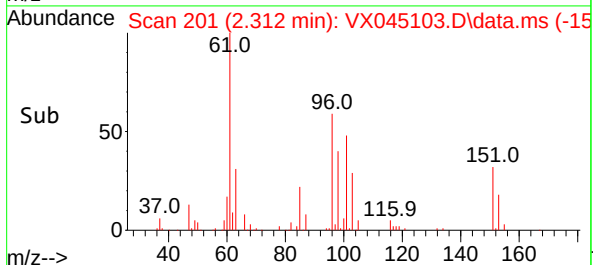
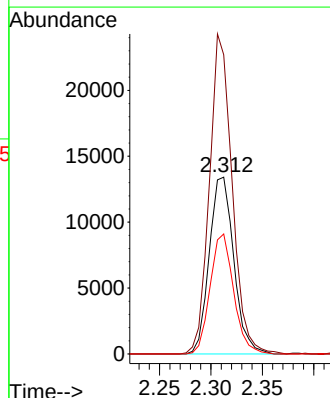
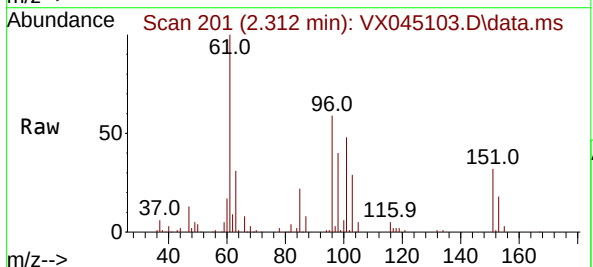
Tgt Ion: 96 Resp: 22268

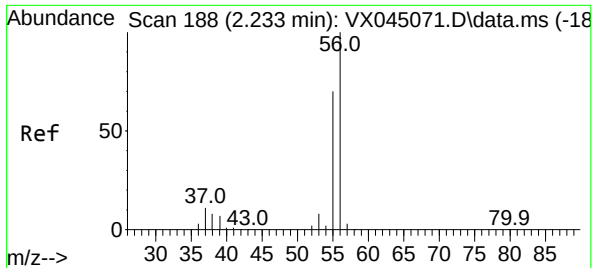
Ion Ratio Lower Upper

96 100

61 169.2 134.6 202.0

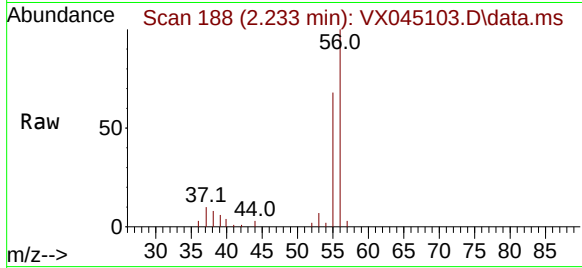
98 67.9 51.0 76.6





#13
Acrolein
Concen: 89.109 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

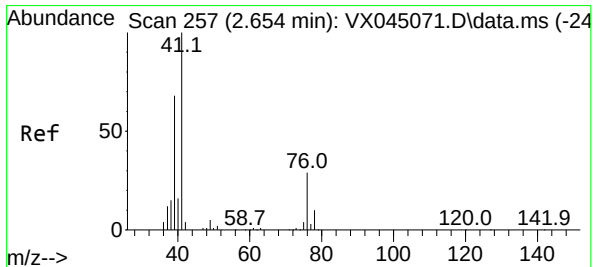
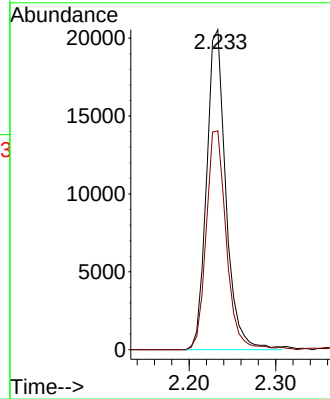
Instrument :
MSVOA_X
ClientSampleId :
VX0303WBS01



Tgt Ion: 56 Resp: 31799
Ion Ratio Lower Upper
56 100
55 71.4 56.2 84.4

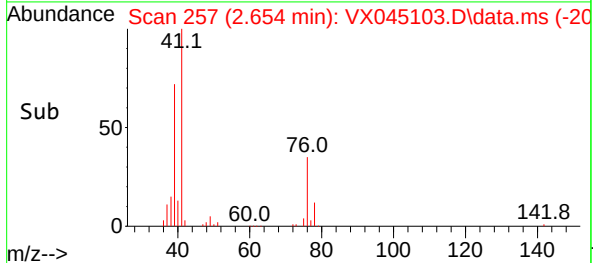
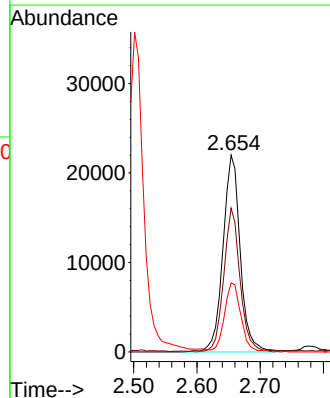
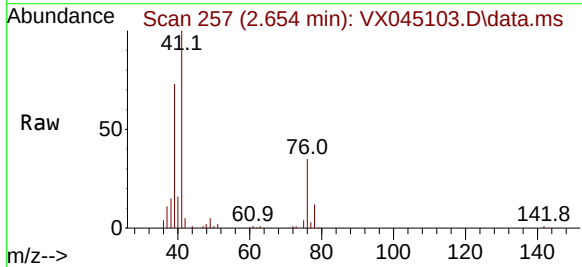
Manual Integrations
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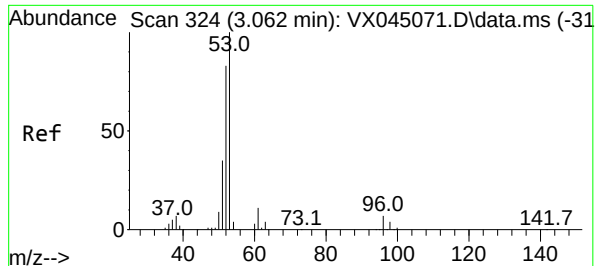
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#14
Allyl chloride
Concen: 18.540 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

Tgt Ion: 41 Resp: 41551
Ion Ratio Lower Upper
41 100
39 68.1 53.8 80.8
76 33.5 25.2 37.8





#15

Acrylonitrile

Concen: 76.093 ug/l

RT: 3.056 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VX0303WBS01

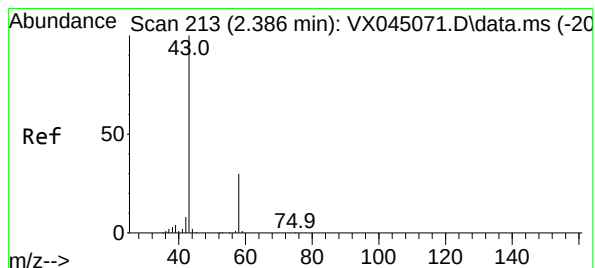
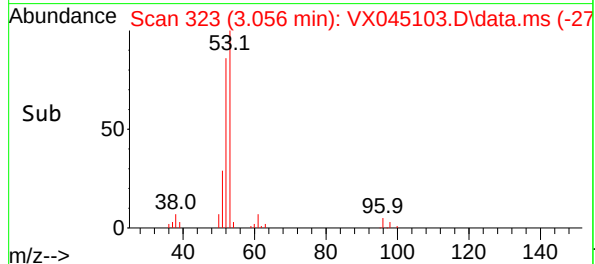
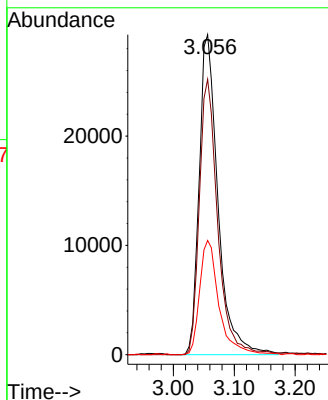
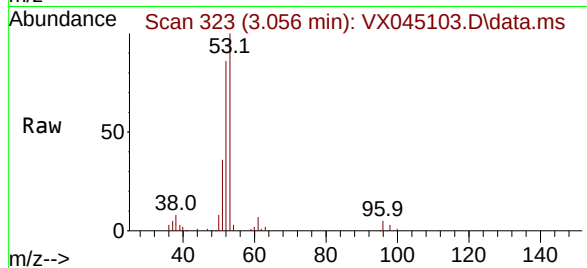
Tgt Ion: 53	Resp: 6295
Ion Ratio	Lower Upper
53 100	
52 83.9	66.2 99.2
51 36.6	29.0 43.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#16

Acetone

Concen: 89.008 ug/l

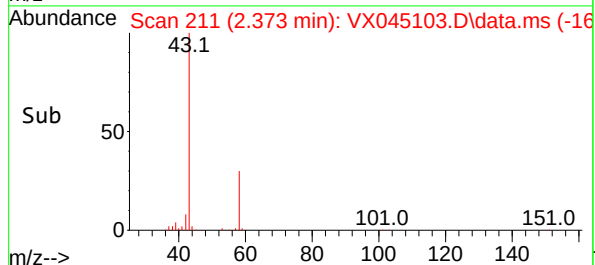
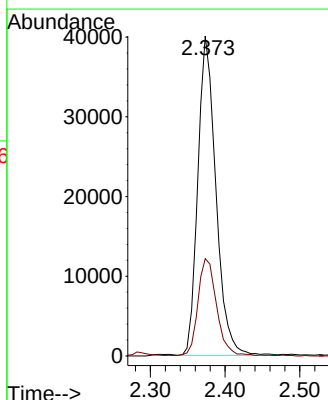
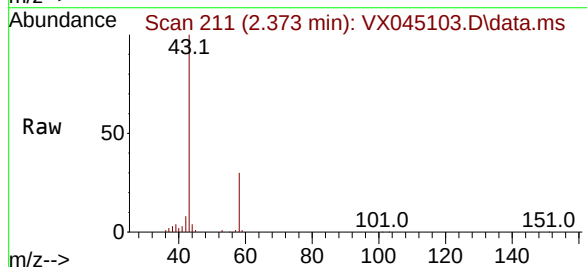
RT: 2.373 min Scan# 211

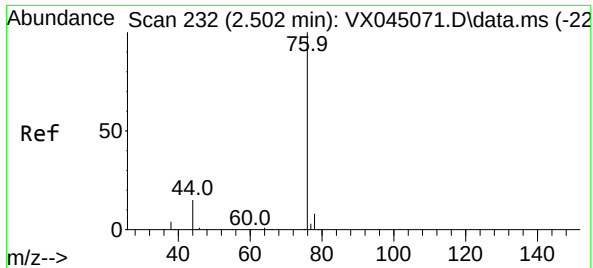
Delta R.T. -0.012 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Tgt Ion: 43	Resp: 67305
Ion Ratio	Lower Upper
43 100	
58 30.3	24.2 36.4





#17

Carbon Disulfide

Concen: 18.392 ug/l

RT: 2.501 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VX0303WBS01

Tgt Ion: 76 Resp: 61674

Ion Ratio Lower Upper

76 100

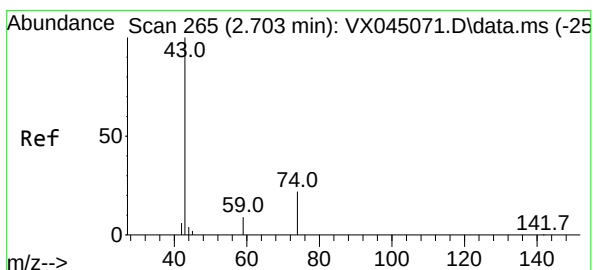
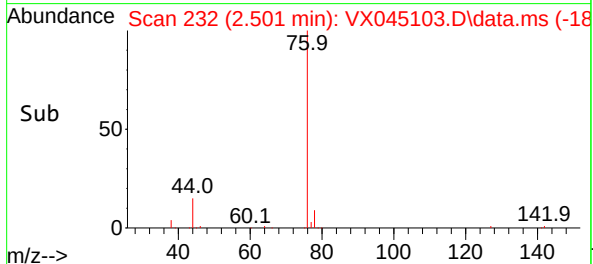
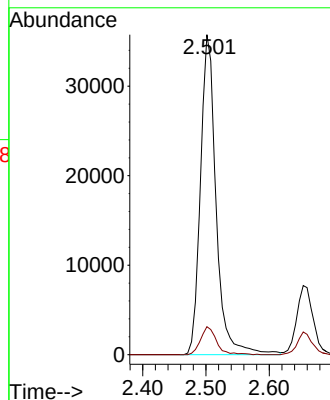
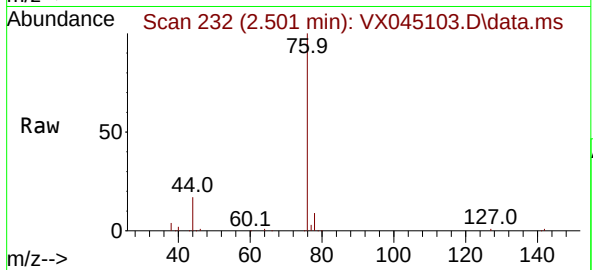
78 8.7 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#18

Methyl Acetate

Concen: 14.785 ug/l

RT: 2.697 min Scan# 264

Delta R.T. -0.006 min

Lab File: VX045103.D

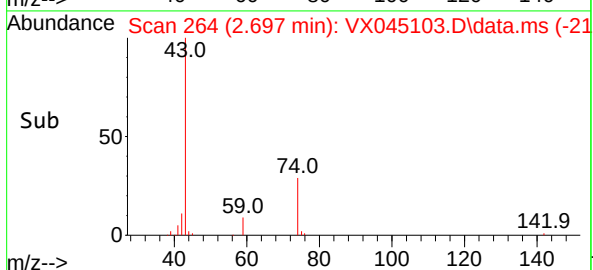
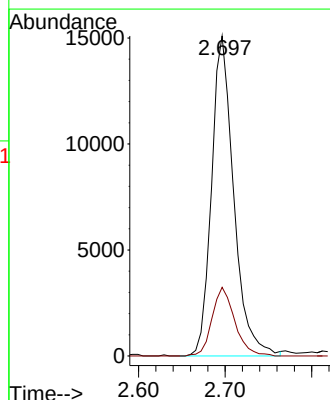
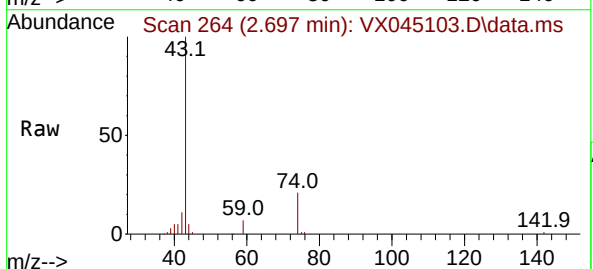
Acq: 03 Mar 2025 10:37

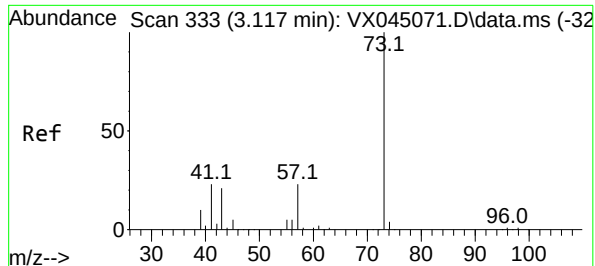
Tgt Ion: 43 Resp: 26896

Ion Ratio Lower Upper

43 100

74 21.9 17.4 26.2





#19

Methyl tert-butyl Ether

Concen: 16.822 ug/l

RT: 3.105 min Scan# 31

Delta R.T. -0.012 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VX0303WBS01

Tgt Ion: 73 Resp: 7105

Ion Ratio Lower Upper

73 100

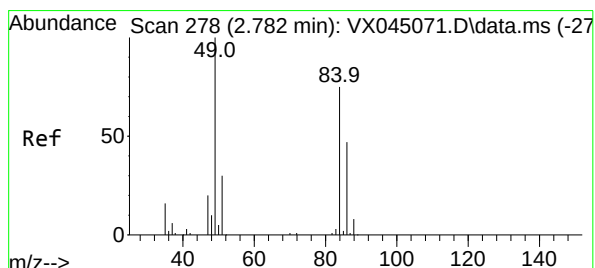
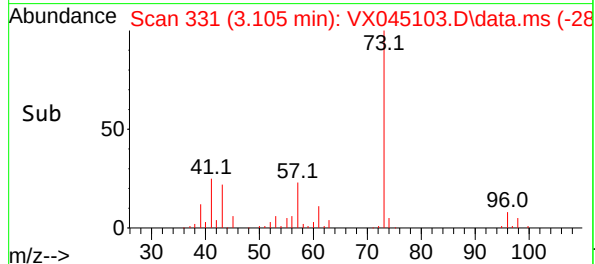
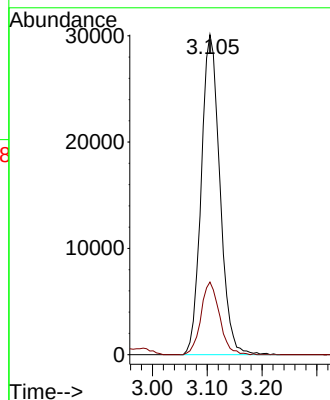
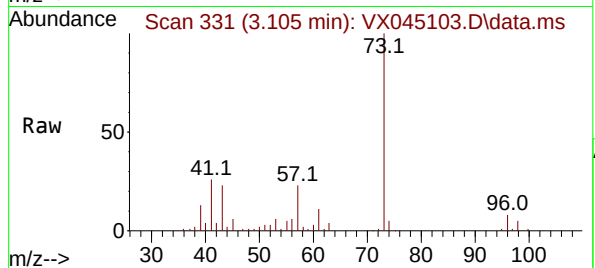
57 22.7 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#20

Methylene Chloride

Concen: 16.908 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Tgt Ion: 84 Resp: 25326

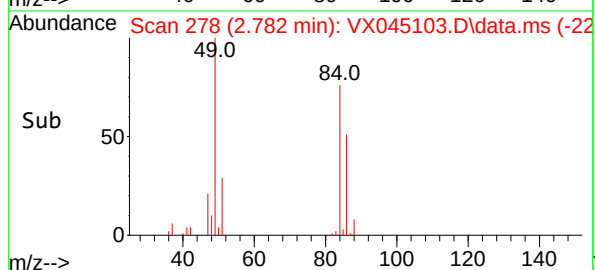
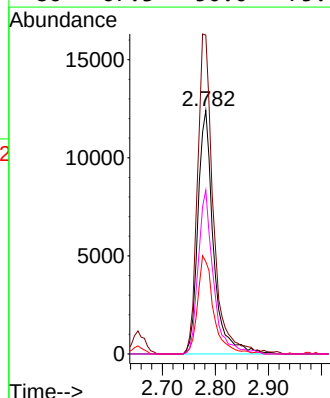
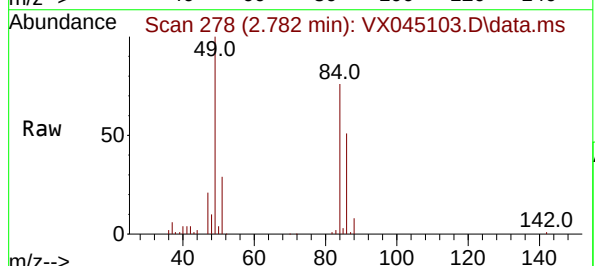
Ion Ratio Lower Upper

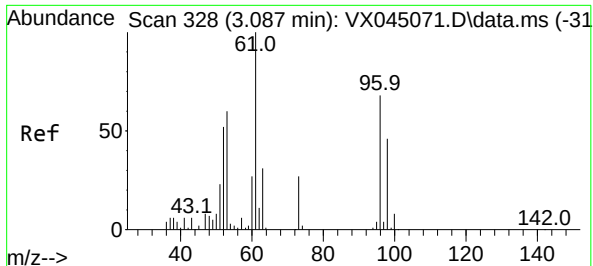
84 100

49 131.0 106.5 159.7

51 38.0 32.1 48.1

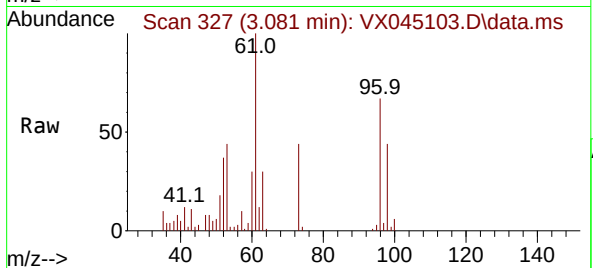
86 67.3 50.0 75.0





#21
trans-1,2-Dichloroethene
Concen: 18.784 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

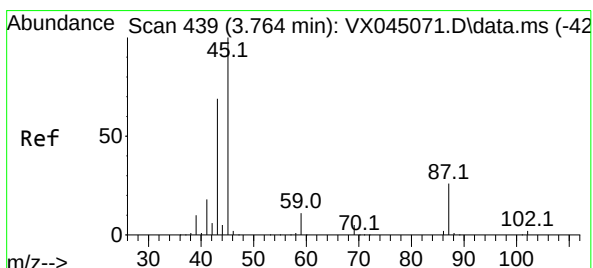
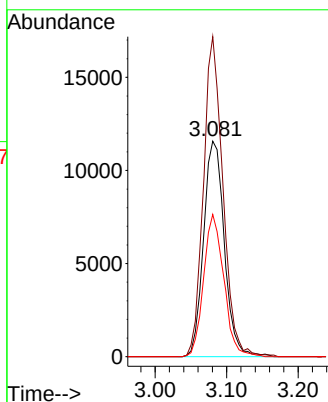
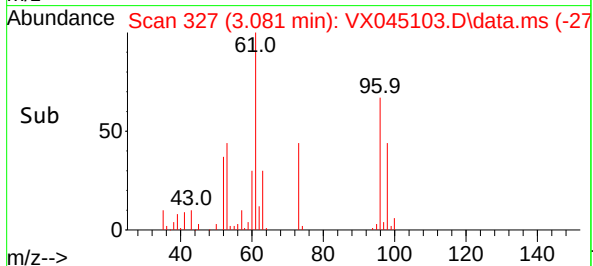
Instrument :
MSVOA_X
ClientSampleId :
VX0303WBS01



Tgt Ion: 96 Resp: 23364
Ion Ratio Lower Upper
96 100
61 148.5 117.0 175.4
98 66.0 53.4 80.2

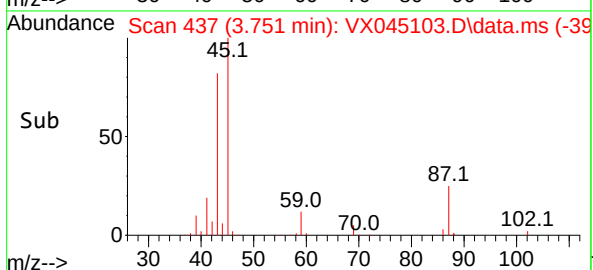
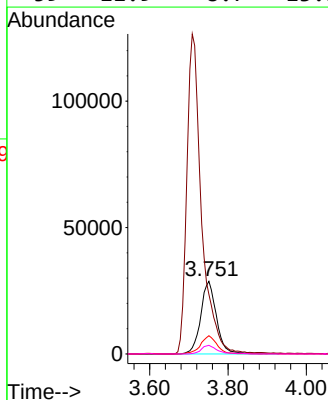
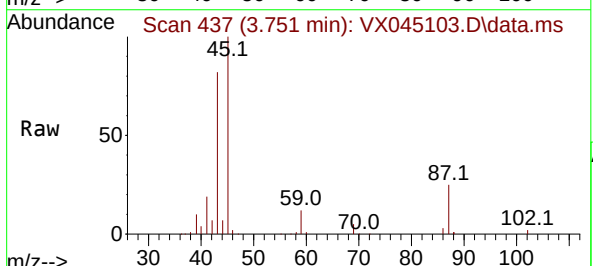
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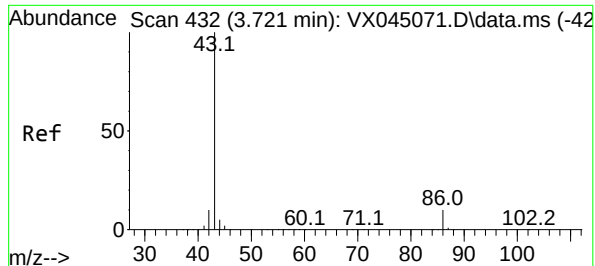
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#22
Diisopropyl ether
Concen: 17.775 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.012 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

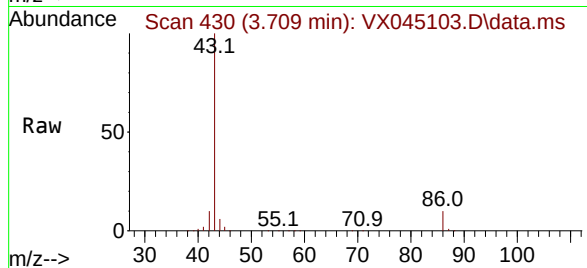
Tgt Ion: 45 Resp: 81015
Ion Ratio Lower Upper
45 100
43 80.8 54.9 82.3
87 25.1 21.0 31.4
59 11.9 8.7 13.1





#23
 Vinyl Acetate
 Concen: 86.774 ug/l
 RT: 3.709 min Scan# 41
 Delta R.T. -0.012 min
 Lab File: VX045103.D
 Acq: 03 Mar 2025 10:37

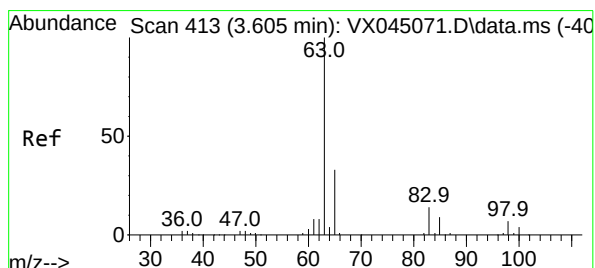
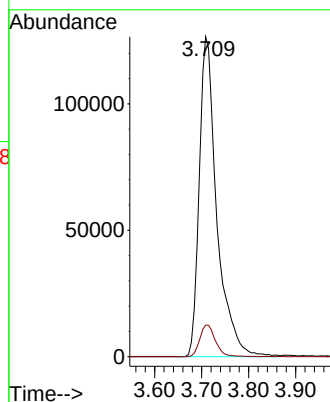
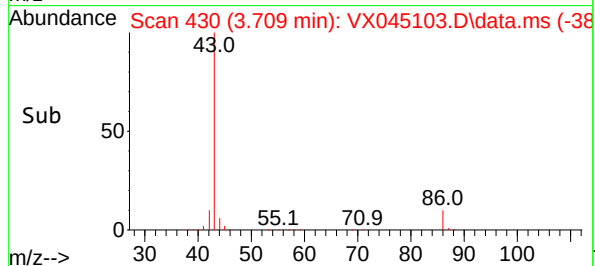
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0303WBS01



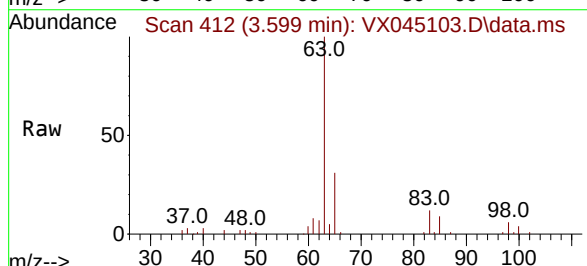
Tgt Ion: 43 Resp: 33005
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.1 12.1

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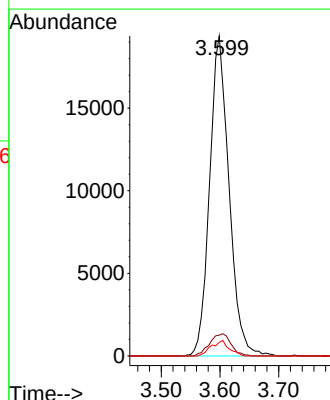
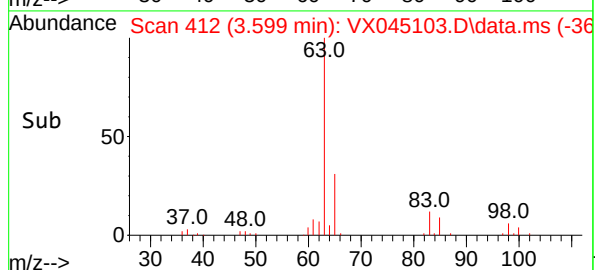
Reviewed By :John Carlone 03/04/2025
 Supervised By :Mahesh Dadoda 03/04/2025

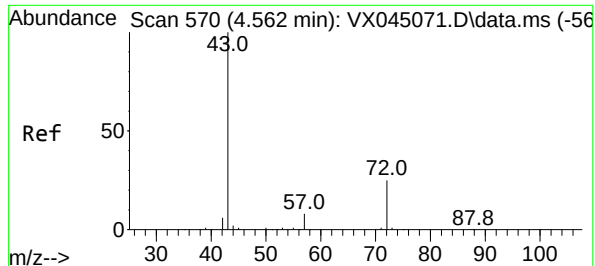


#24
 1,1-Dichloroethane
 Concen: 17.416 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. -0.006 min
 Lab File: VX045103.D
 Acq: 03 Mar 2025 10:37



Tgt Ion: 63 Resp: 44488
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.4 10.2
 100 4.2 2.1 6.5





#25

2-Butanone

Concen: 81.609 ug/l

RT: 4.544 min Scan# 50

Delta R.T. -0.018 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VX0303WBS01

Tgt Ion: 43 Resp: 92889

Ion Ratio Lower Upper

43 100

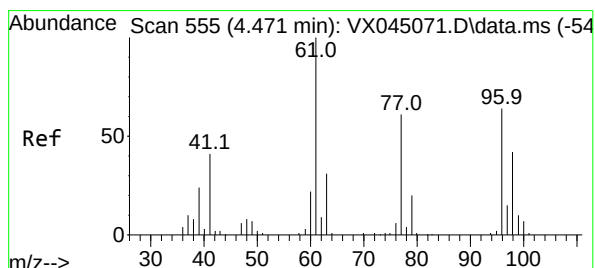
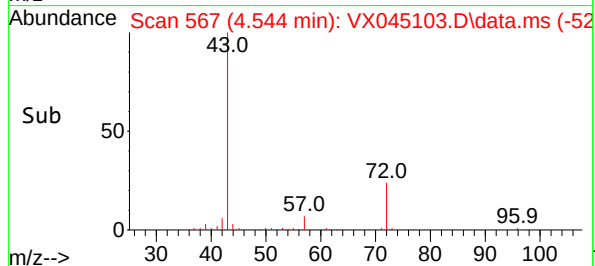
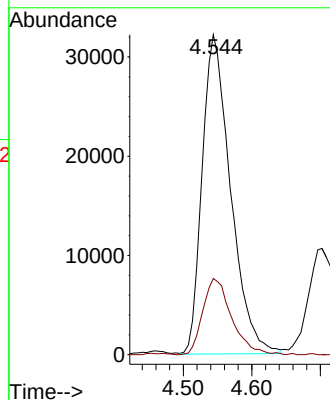
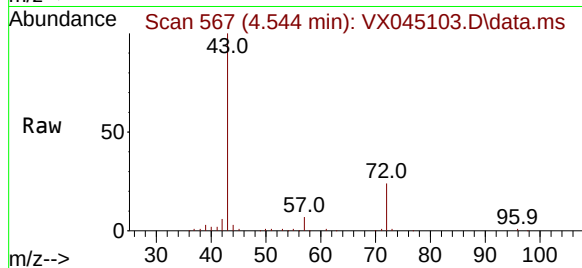
72 23.9 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#26

2,2-Dichloropropane

Concen: 27.355 ug/l

RT: 4.464 min Scan# 554

Delta R.T. -0.006 min

Lab File: VX045103.D

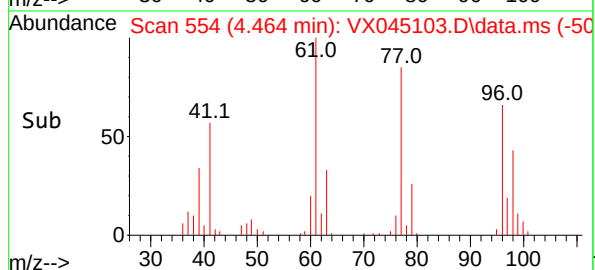
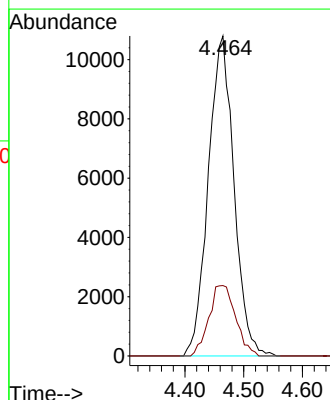
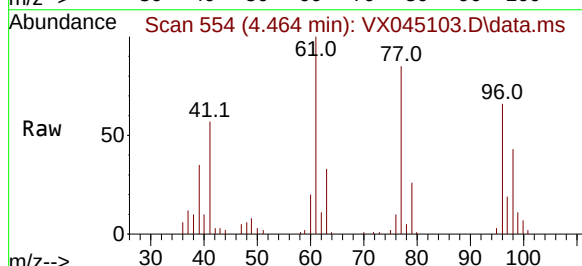
Acq: 03 Mar 2025 10:37

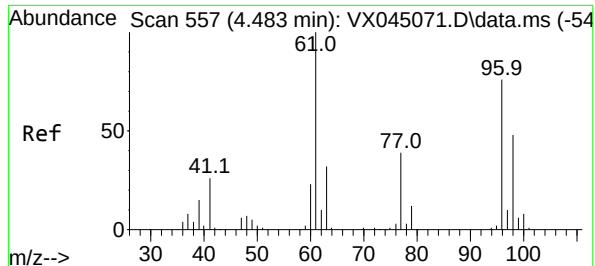
Tgt Ion: 77 Resp: 32775

Ion Ratio Lower Upper

77 100

97 22.9 12.4 37.0





#27

cis-1,2-Dichloroethene

Concen: 17.984 ug/l

RT: 4.477 min Scan# 557

Delta R.T. -0.006 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VX0303WBS01

Tgt Ion: 96 Resp: 2761

Ion Ratio Lower Upper

96 100

61 147.0 0.0 283.2

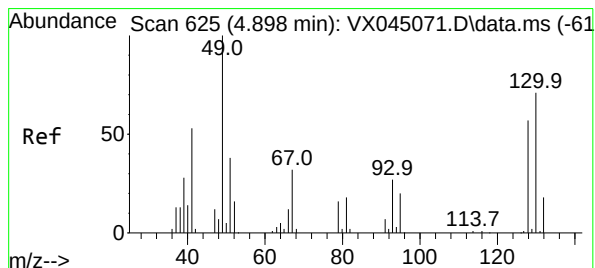
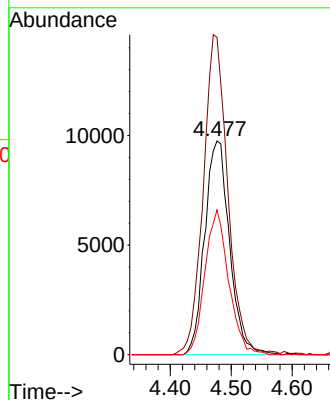
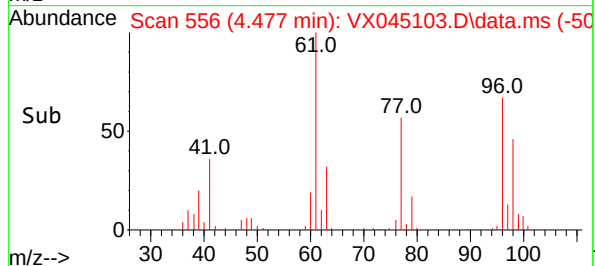
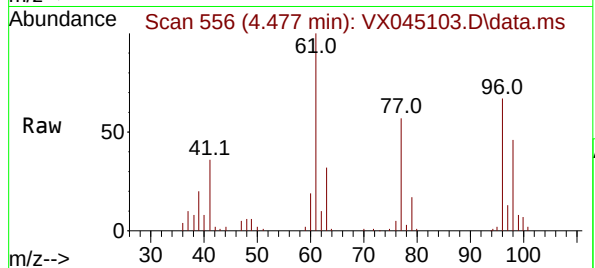
98 64.7 0.0 128.0

Manual Integrations

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Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#28

Bromochloromethane

Concen: 14.670 ug/l

RT: 4.879 min Scan# 622

Delta R.T. -0.018 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

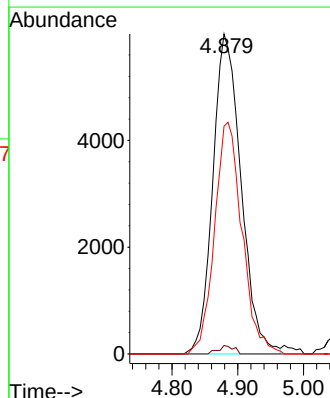
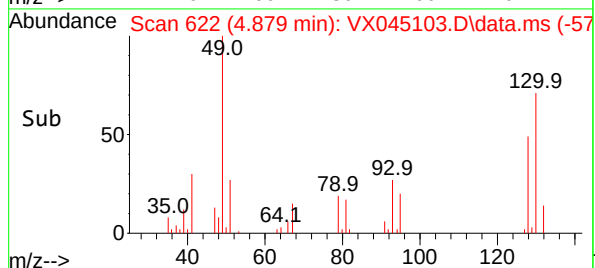
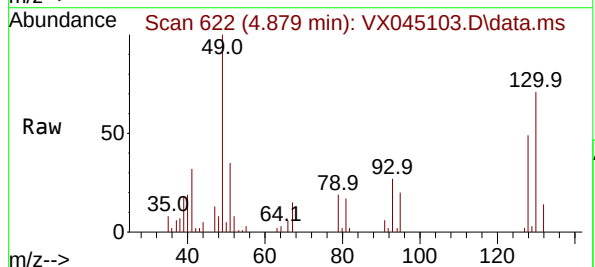
Tgt Ion: 49 Resp: 17861

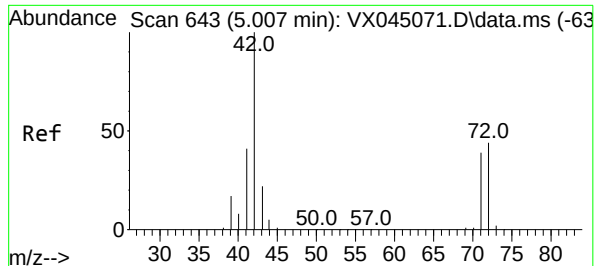
Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.4

130 70.7 56.1 84.1





#29

Tetrahydrofuran

Concen: 72.239 ug/l

RT: 4.995 min Scan# 641

Delta R.T. -0.012 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VX0303WBS01

Tgt Ion: 42 Resp: 5521

Ion Ratio Lower Upper

42 100

72 43.5 34.1 51.1

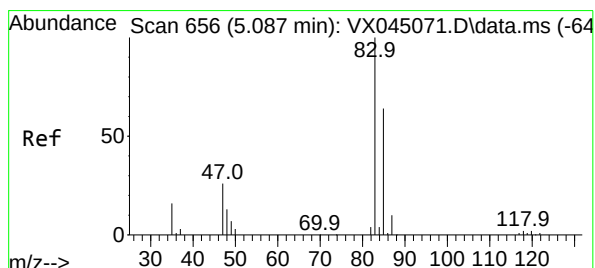
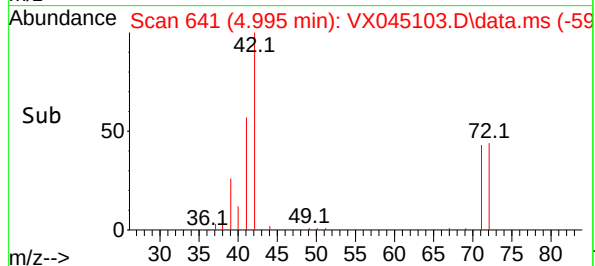
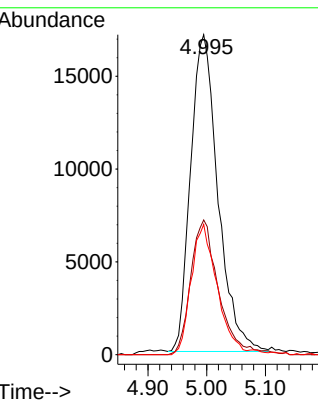
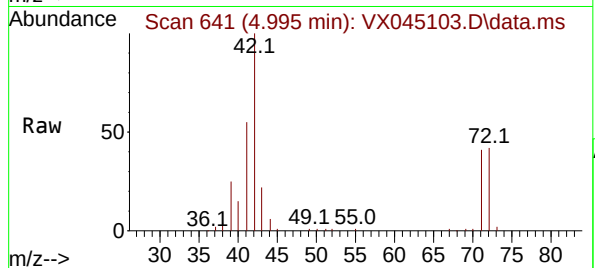
71 38.9 31.4 47.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#30

Chloroform

Concen: 17.401 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.006 min

Lab File: VX045103.D

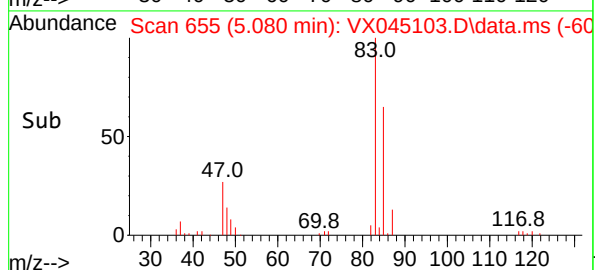
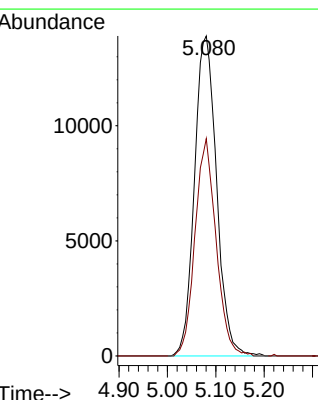
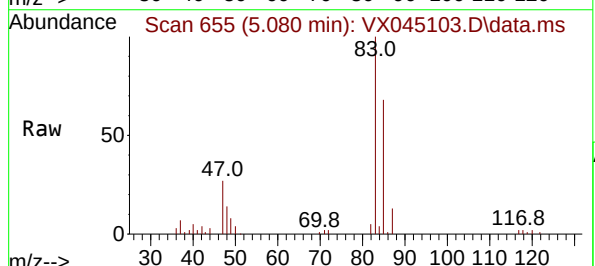
Acq: 03 Mar 2025 10:37

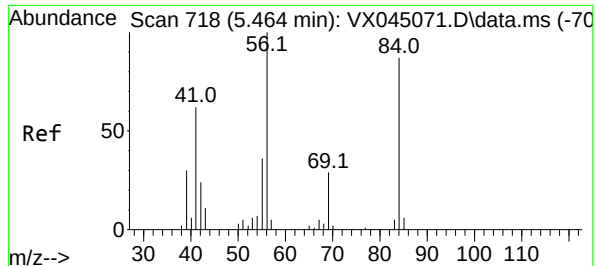
Tgt Ion: 83 Resp: 44165

Ion Ratio Lower Upper

83 100

85 67.9 51.4 77.2





#31

Cyclohexane

Concen: 18.680 ug/l

RT: 5.458 min Scan# 701

Delta R.T. -0.006 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VX0303WBS01

Tgt Ion: 56 Resp: 41419

Ion Ratio Lower Upper

56 100

69 29.9 23.4 35.2

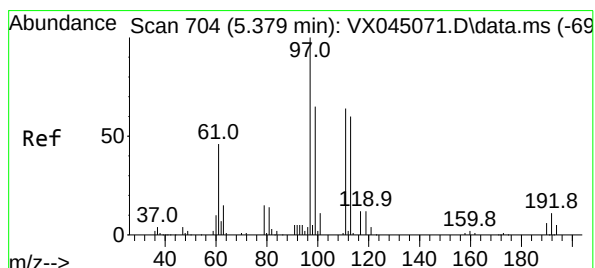
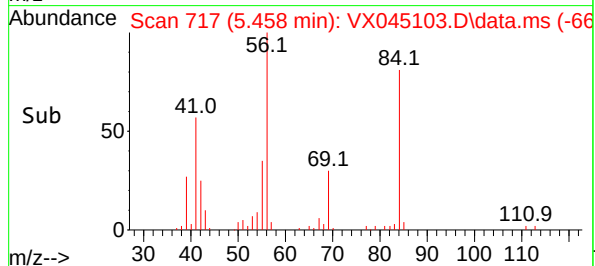
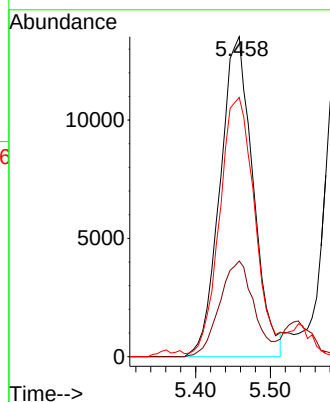
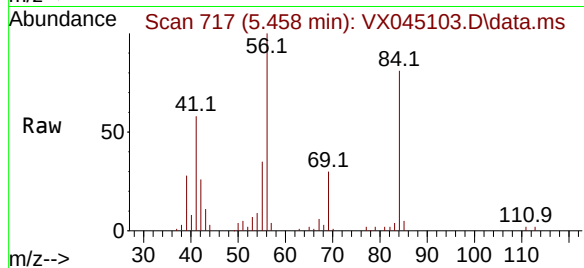
84 79.1 69.4 104.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#32

1,1,1-Trichloroethane

Concen: 18.369 ug/l

RT: 5.361 min Scan# 701

Delta R.T. -0.018 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

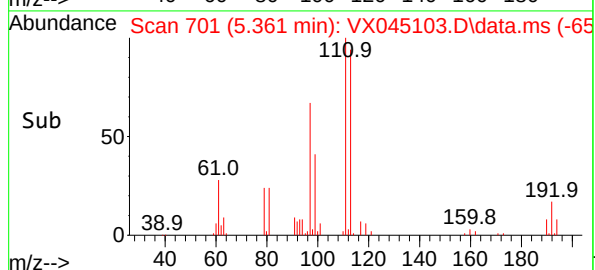
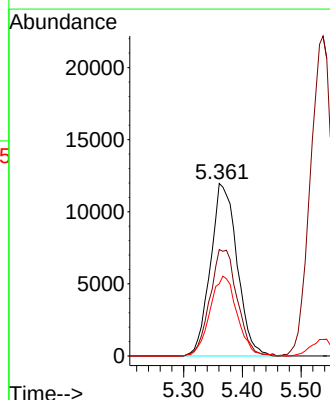
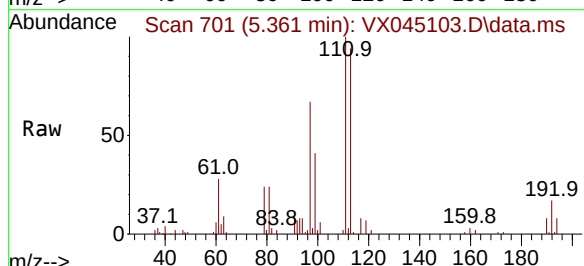
Tgt Ion: 97 Resp: 37654

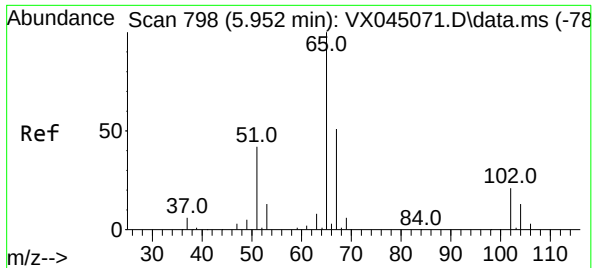
Ion Ratio Lower Upper

97 100

99 63.1 51.6 77.4

61 47.2 38.4 57.6





#33

1,2-Dichloroethane-d4

Concen: 46.128 ug/l

RT: 5.940 min Scan# 798

Delta R.T. -0.012 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VX0303WBS01

Tgt Ion: 65 Resp: 75179

Ion Ratio Lower Upper

65 100

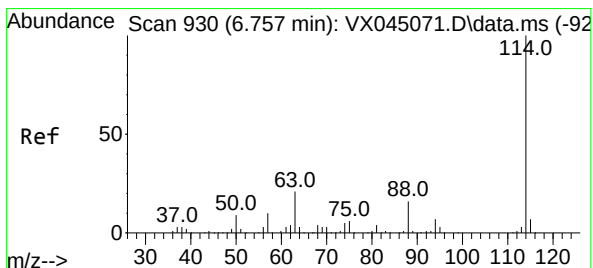
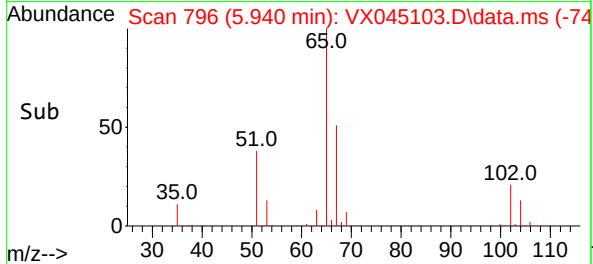
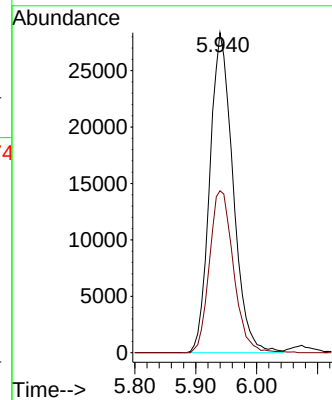
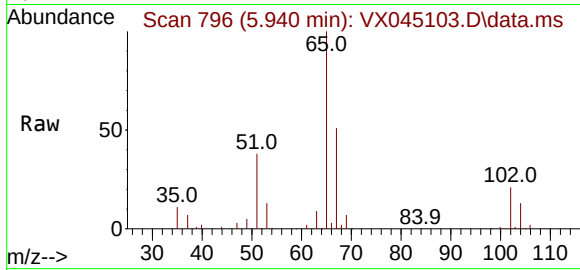
67 52.4 0.0 106.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

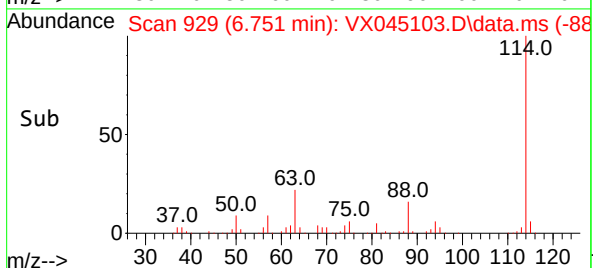
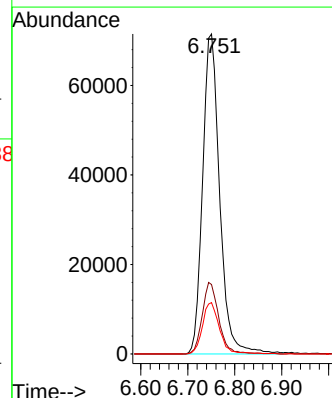
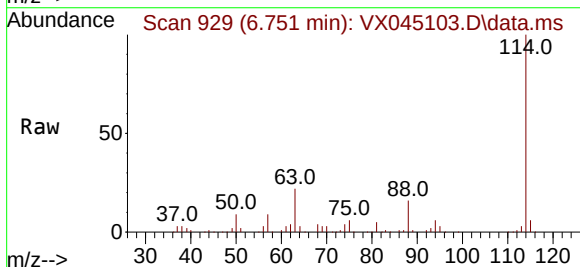
Tgt Ion:114 Resp: 180548

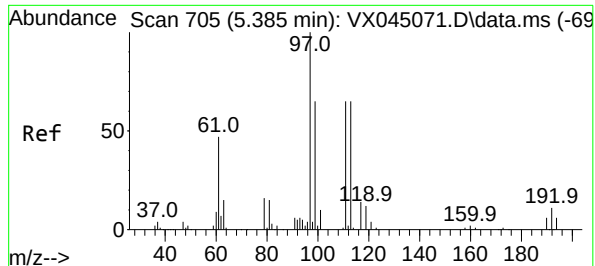
Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.8

88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.701 ug/l

RT: 5.373 min Scan# 705

Delta R.T. -0.012 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VX0303WBS01

Tgt Ion:113 Resp: 58790

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.6

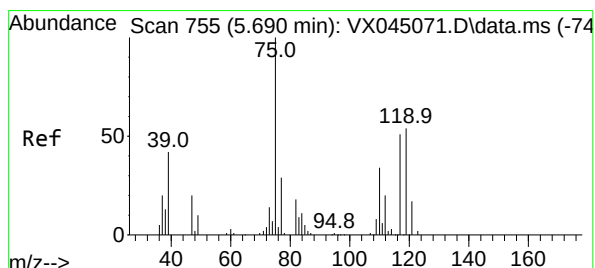
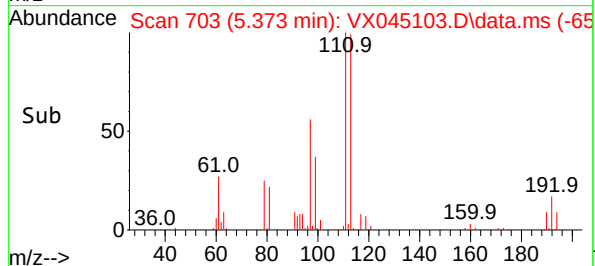
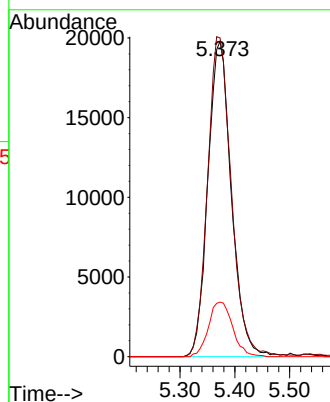
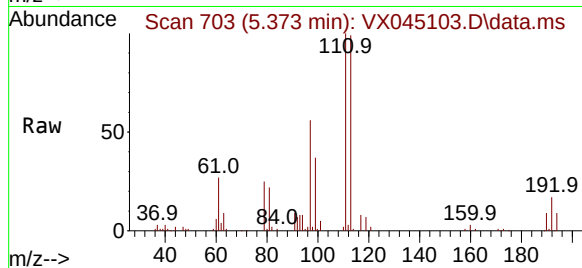
192 17.9 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#36

1,1-Dichloropropene

Concen: 18.268 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

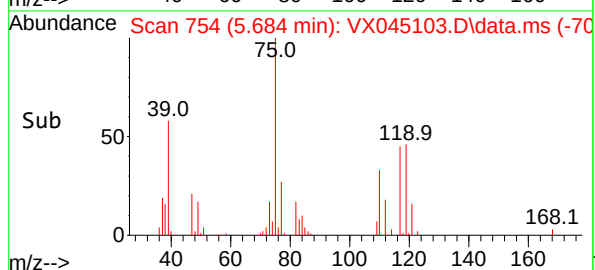
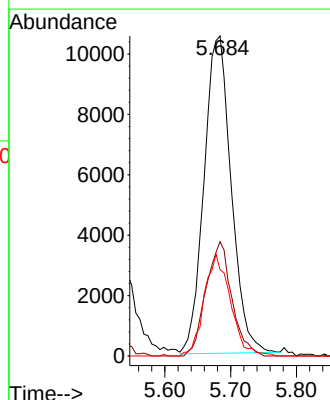
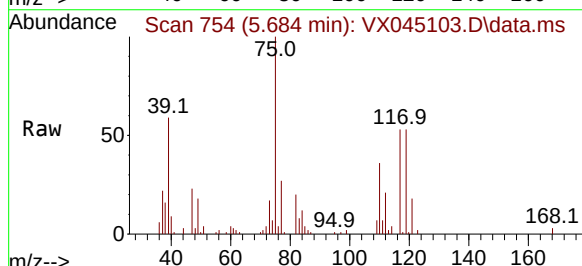
Tgt Ion: 75 Resp: 30245

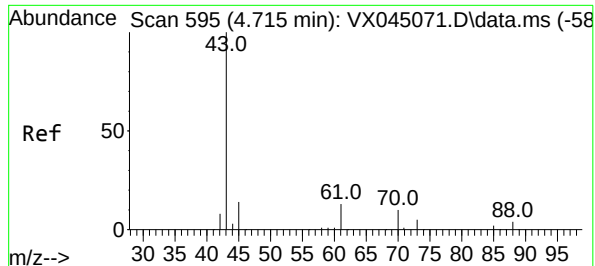
Ion Ratio Lower Upper

75 100

110 34.2 16.9 50.6

77 30.9 24.5 36.7





#37

Ethyl Acetate

Concen: 15.349 ug/l

RT: 4.702 min Scan# 593

Delta R.T. -0.012 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VX0303WBS01

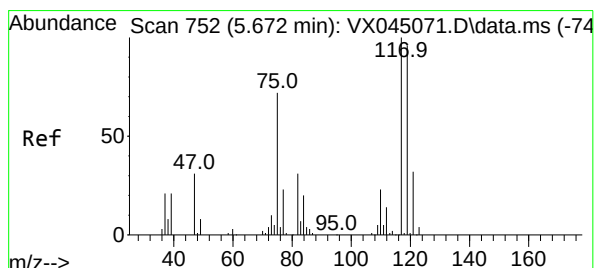
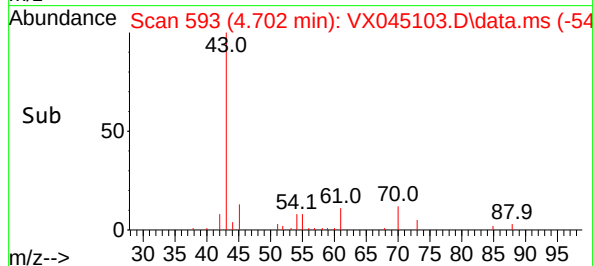
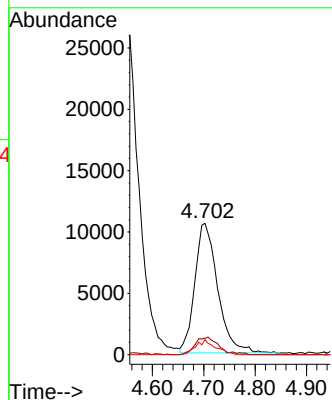
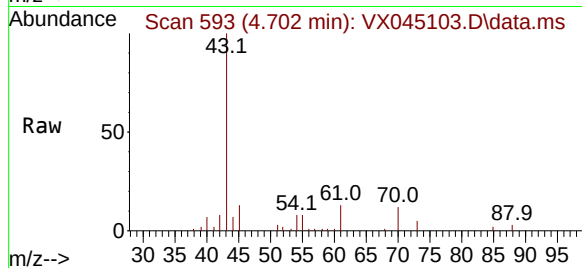
Tgt Ion:	43	Resp:	3274
Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.8	16.2
70	9.7	7.7	11.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#38

Carbon Tetrachloride

Concen: 19.149 ug/l

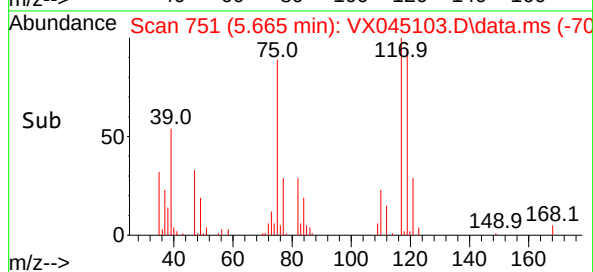
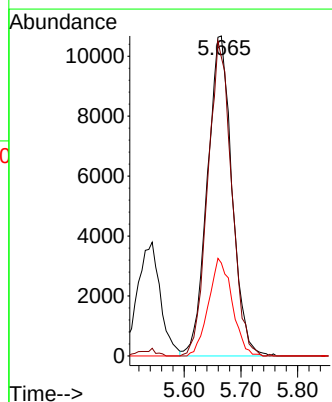
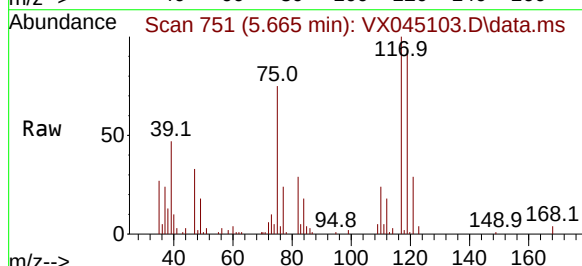
RT: 5.665 min Scan# 751

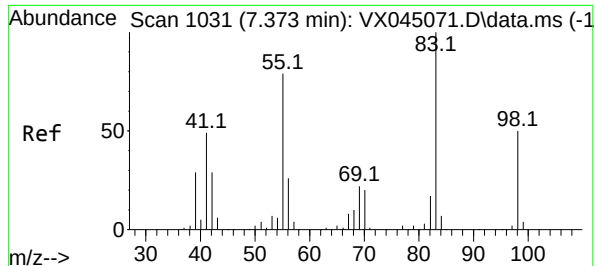
Delta R.T. -0.006 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Tgt Ion:	117	Resp:	32188
Ion	Ratio	Lower	Upper
117	100		
119	93.4	76.7	115.1
121	29.0	25.5	38.3





#39

Methylcyclohexane

Concen: 21.363 ug/l

RT: 7.366 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VX0303WBS01

Tgt Ion: 83 Resp: 4238

Ion Ratio Lower Upper

83 100

55 78.9 63.0 94.4

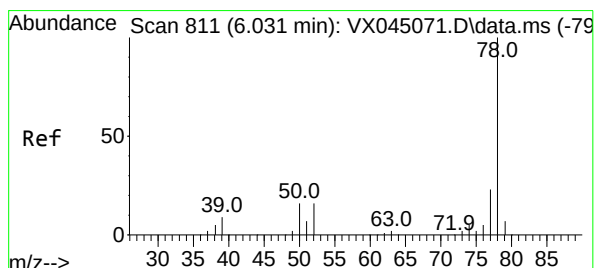
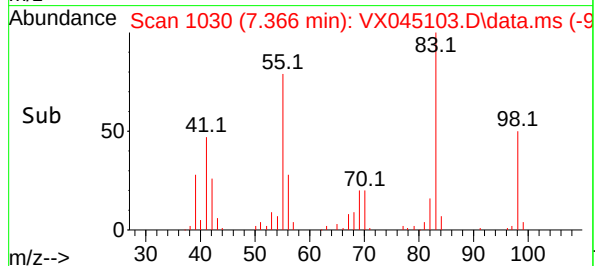
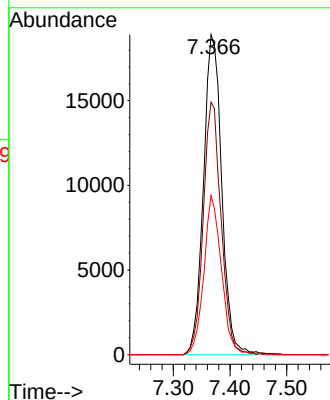
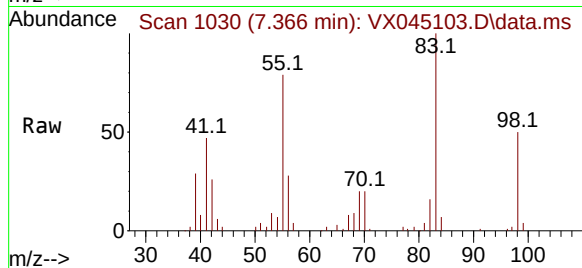
98 49.8 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#40

Benzene

Concen: 18.396 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX045103.D

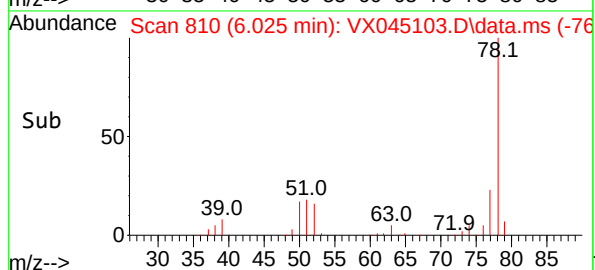
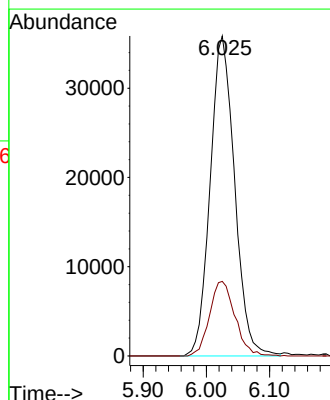
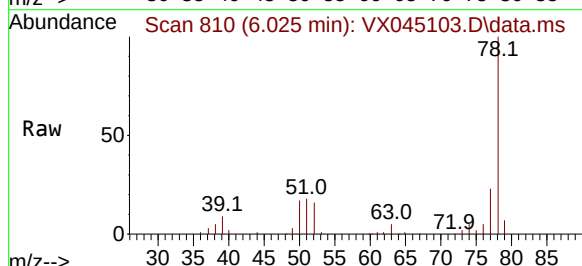
Acq: 03 Mar 2025 10:37

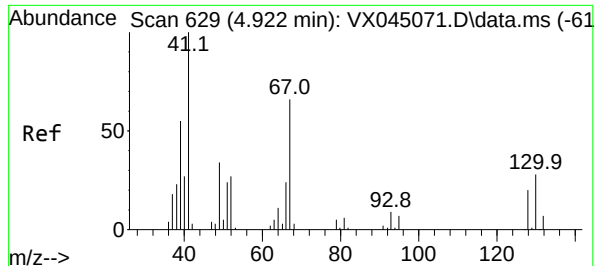
Tgt Ion: 78 Resp: 96177

Ion Ratio Lower Upper

78 100

77 23.3 18.8 28.2





#41

Methacrylonitrile

Concen: 15.849 ug/l

RT: 4.910 min Scan# 61

Delta R.T. -0.012 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VX0303WBS01

Tgt Ion: 41 Resp: 1828

Ion Ratio Lower Upper

41 100

39 55.1 44.6 67.0

67 70.0 53.9 80.9

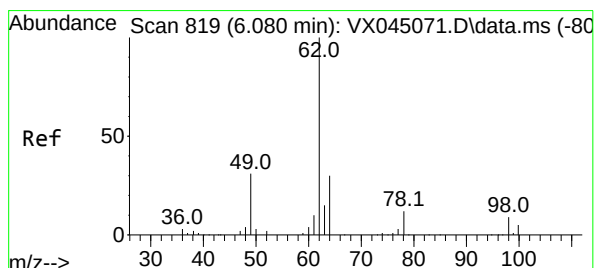
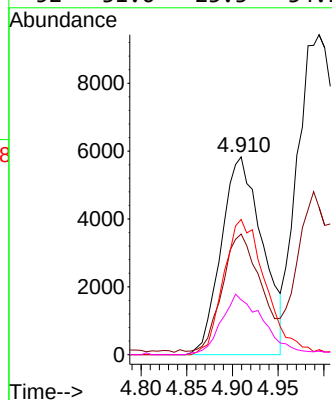
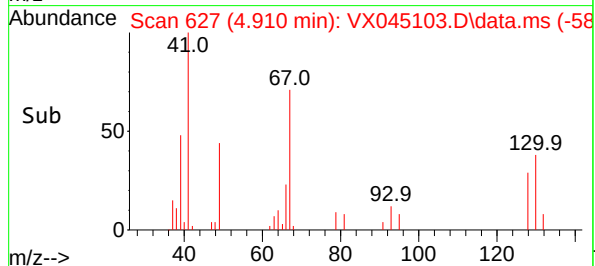
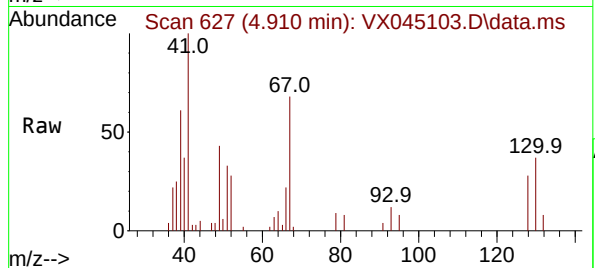
52 31.6 23.3 34.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#42

1,2-Dichloroethane

Concen: 17.889 ug/l

RT: 6.074 min Scan# 818

Delta R.T. -0.006 min

Lab File: VX045103.D

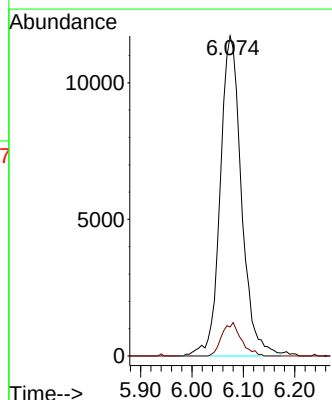
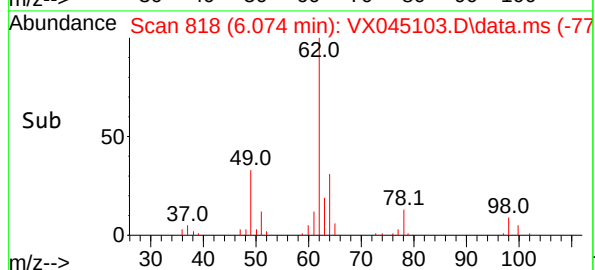
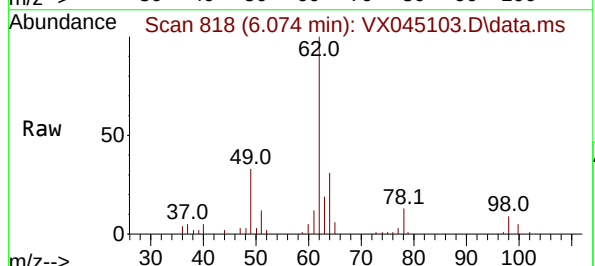
Acq: 03 Mar 2025 10:37

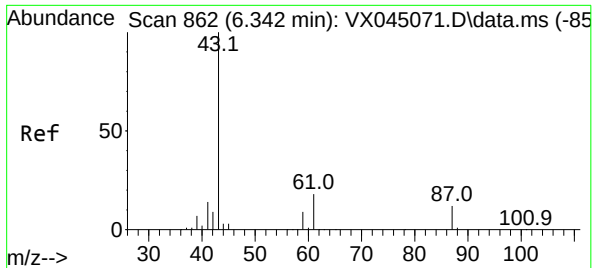
Tgt Ion: 62 Resp: 33679

Ion Ratio Lower Upper

62 100

98 9.5 0.0 18.2





#43

Isopropyl Acetate

Concen: 16.453 ug/l

RT: 6.330 min Scan# 860

Delta R.T. -0.012 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VX0303WBS01

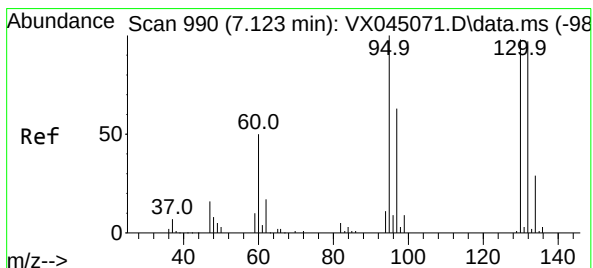
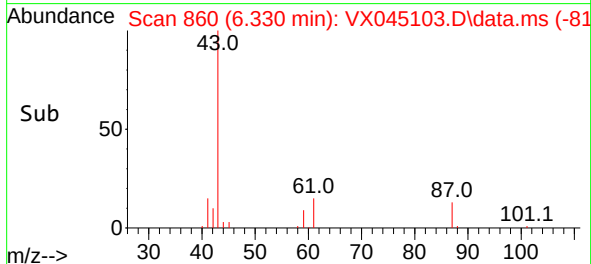
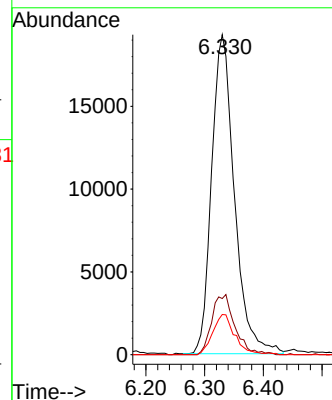
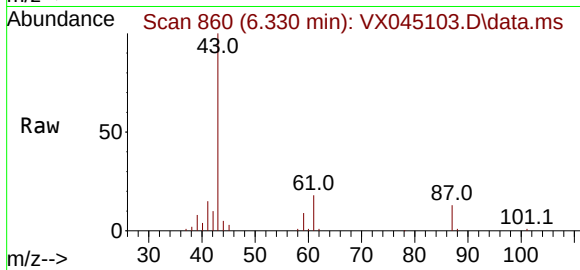
Tgt Ion: 43	Resp: 51900
Ion Ratio	Lower Upper
43 100	
61 19.0	14.9 22.3
87 12.1	9.4 14.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#44

Trichloroethene

Concen: 18.714 ug/l

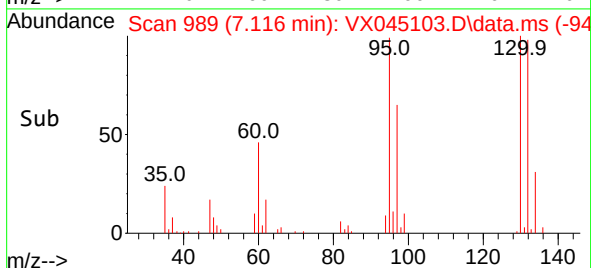
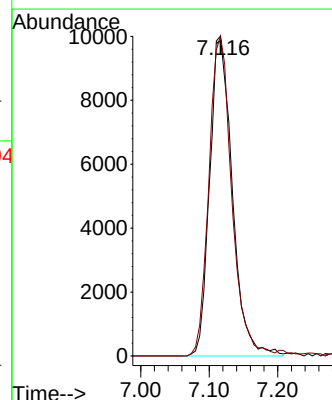
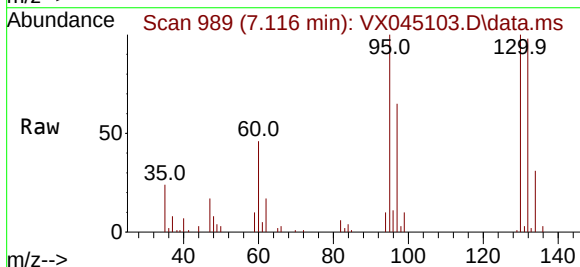
RT: 7.116 min Scan# 989

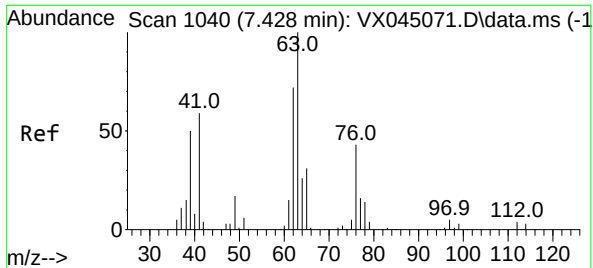
Delta R.T. -0.006 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Tgt Ion:130	Resp: 22974
Ion Ratio	Lower Upper
130 100	
95 100.0	0.0 205.0





#45

1,2-Dichloropropane

Concen: 17.183 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VX0303WBS01

Tgt Ion: 63 Resp: 23098

Ion Ratio Lower Upper

63 100

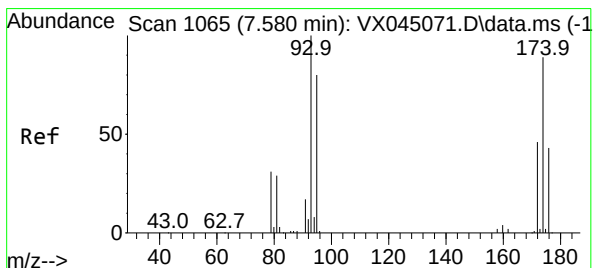
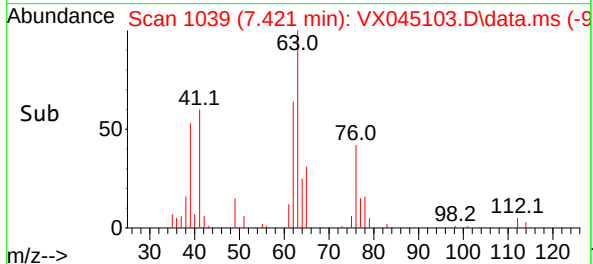
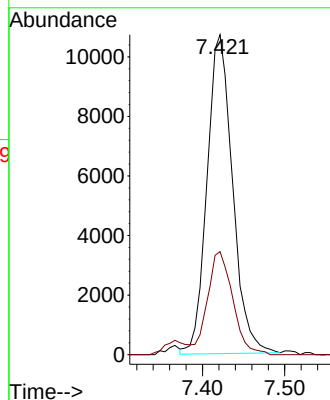
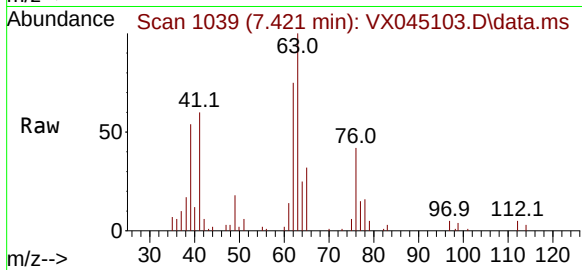
65 32.4 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#46

Dibromomethane

Concen: 18.455 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.006 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

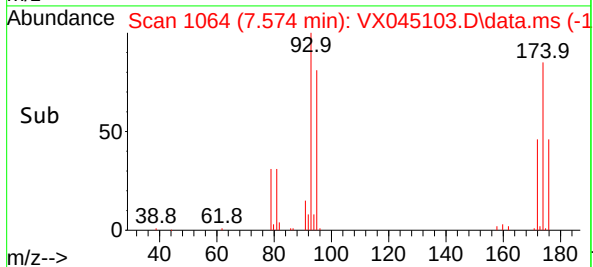
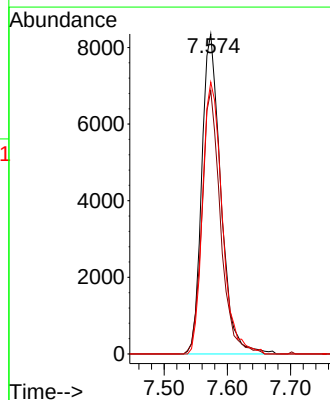
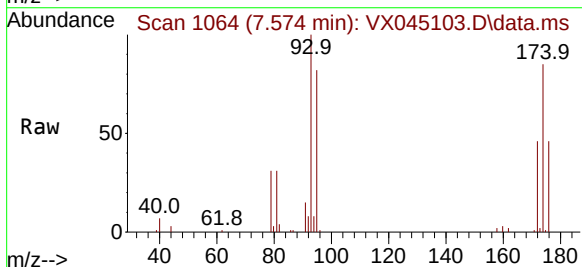
Tgt Ion: 93 Resp: 17534

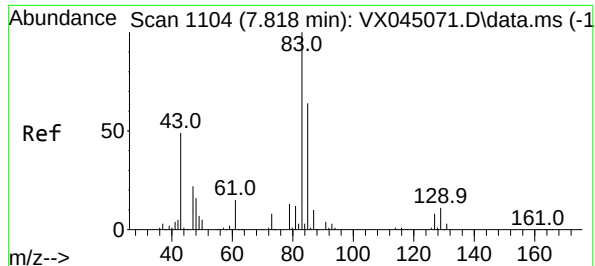
Ion Ratio Lower Upper

93 100

95 79.8 65.8 98.8

174 87.6 72.2 108.2





#47

Bromodichloromethane

Concen: 17.984 ug/l

RT: 7.811 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VX0303WBS01

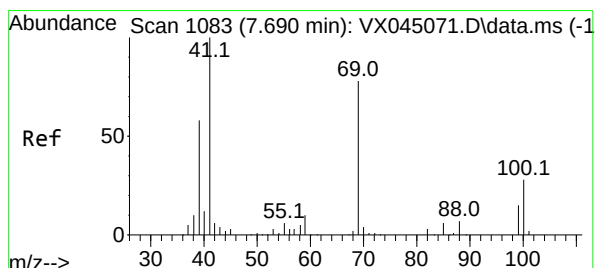
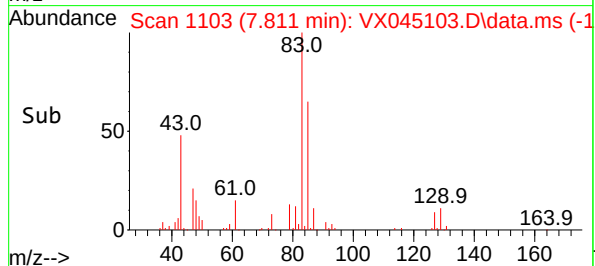
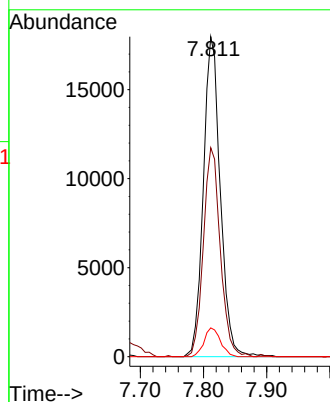
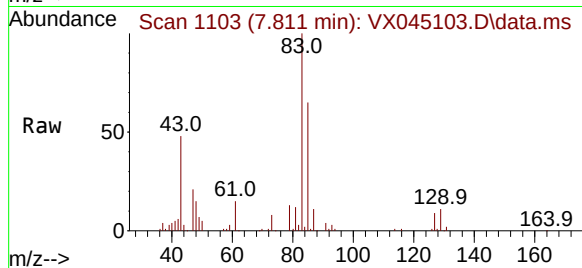
Tgt Ion: 83	Resp: 33510
Ion Ratio	Lower Upper
83 100	
85 65.3	51.1 76.7
127 9.0	6.4 9.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#48

Methyl methacrylate

Concen: 16.286 ug/l

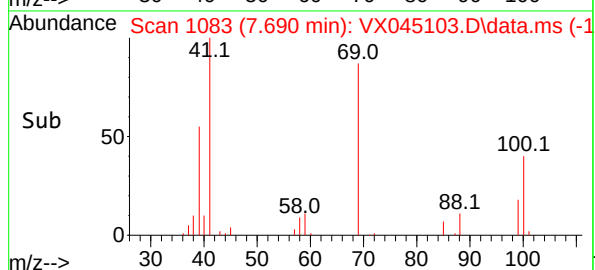
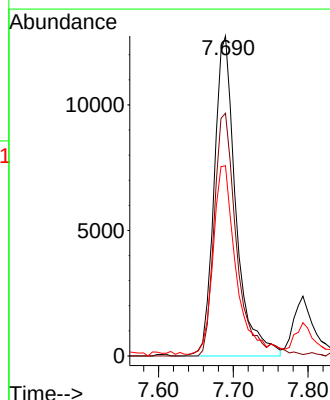
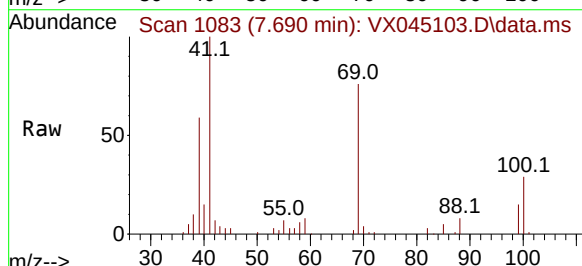
RT: 7.690 min Scan# 1083

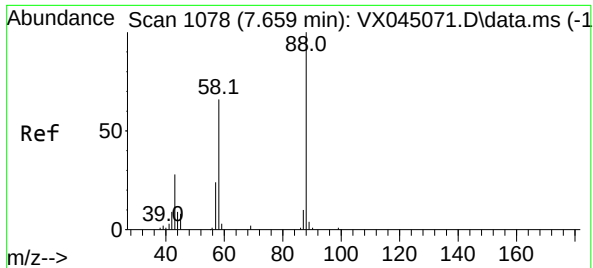
Delta R.T. -0.000 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Tgt Ion: 41	Resp: 25776
Ion Ratio	Lower Upper
41 100	
69 78.5	63.0 94.6
39 62.3	47.5 71.3





#49

1,4-Dioxane

Concen: 325.173 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VX0303WBS01

Tgt Ion: 88 Resp: 10850

Ion Ratio Lower Upper

88 100

43 36.6 28.7 43.1

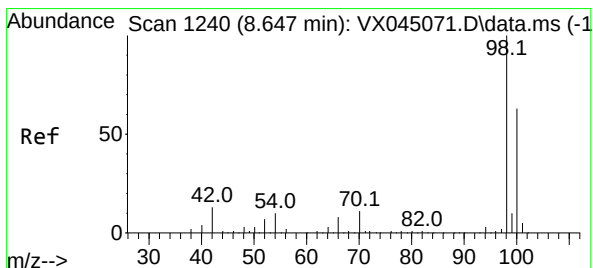
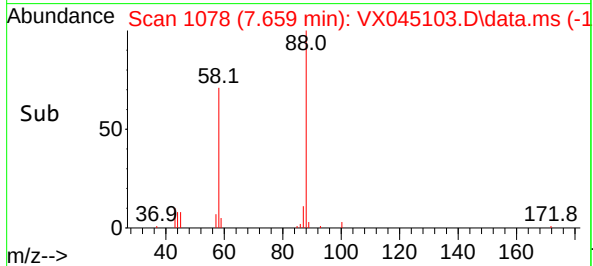
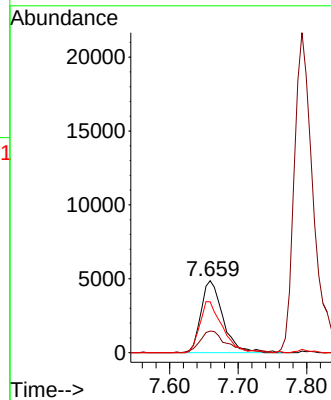
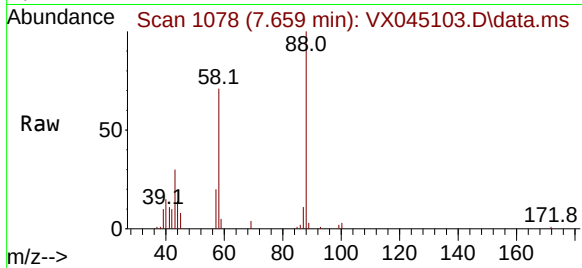
58 73.0 55.8 83.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#50

Toluene-d8

Concen: 50.071 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. -0.006 min

Lab File: VX045103.D

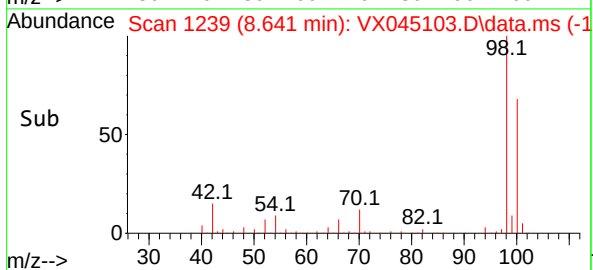
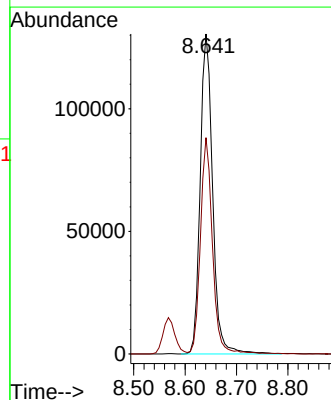
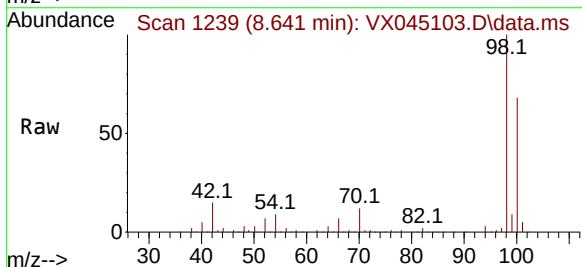
Acq: 03 Mar 2025 10:37

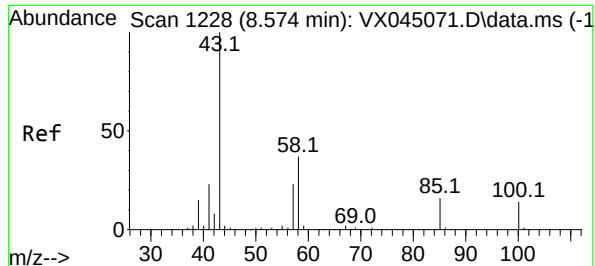
Tgt Ion: 98 Resp: 219153

Ion Ratio Lower Upper

98 100

100 65.6 52.0 78.0





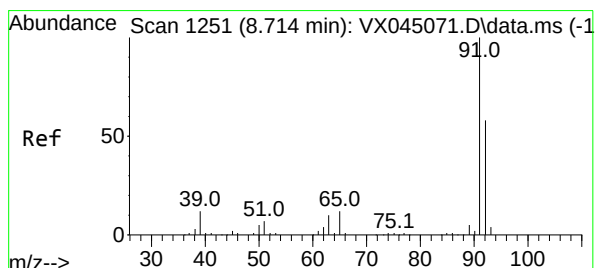
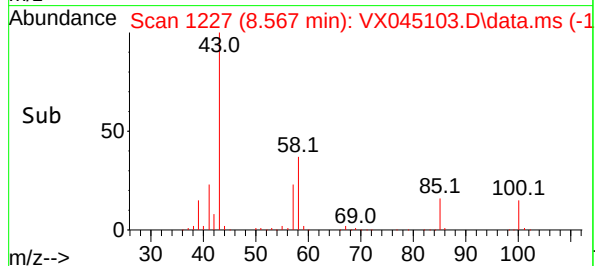
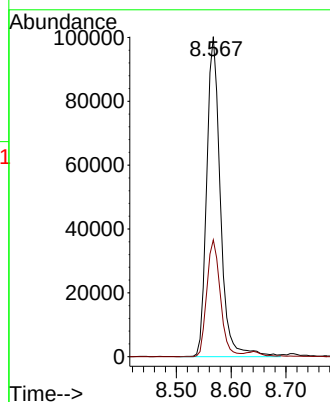
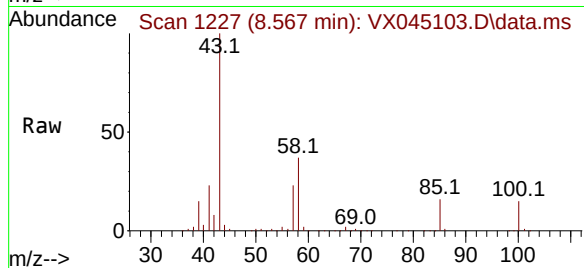
#51
4-Methyl-2-Pentanone
Concen: 81.995 ug/l
RT: 8.567 min Scan# 1227
Delta R.T. -0.006 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VX0303WBS01

Tgt Ion: 43 Resp: 173684
Ion Ratio Lower Upper
43 100
58 36.3 29.2 43.8

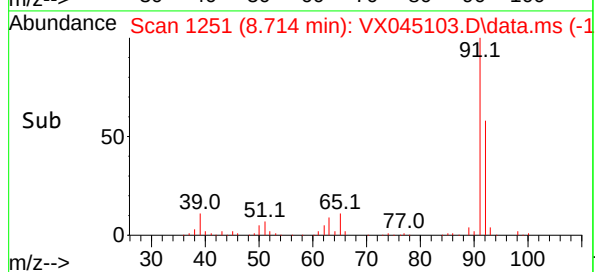
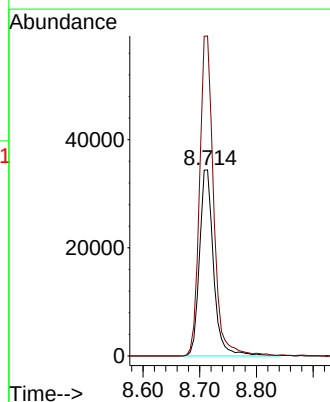
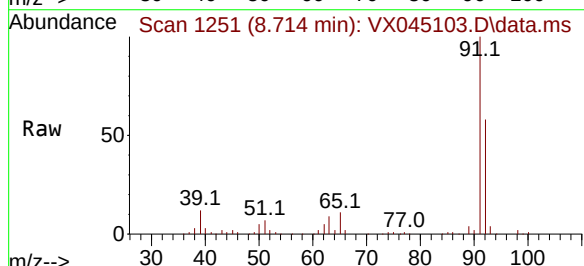
Manual Integrations
APPROVED

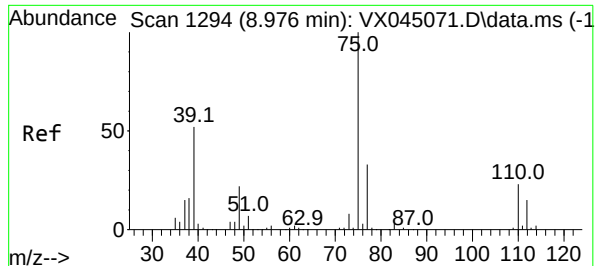
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#52
Toluene
Concen: 19.353 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

Tgt Ion: 92 Resp: 59364
Ion Ratio Lower Upper
92 100
91 172.0 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 19.569 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VX0303WBS01

Tgt Ion: 75 Resp: 30489

Ion Ratio Lower Upper

75 100

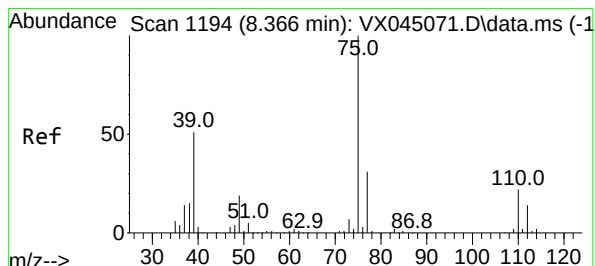
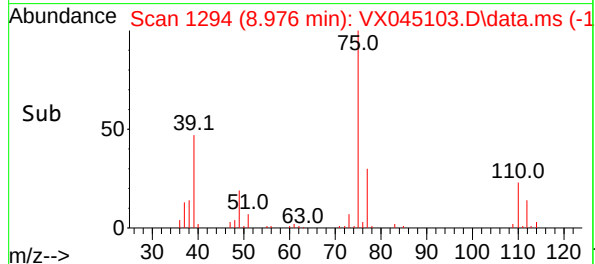
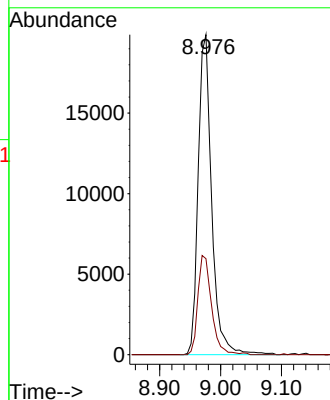
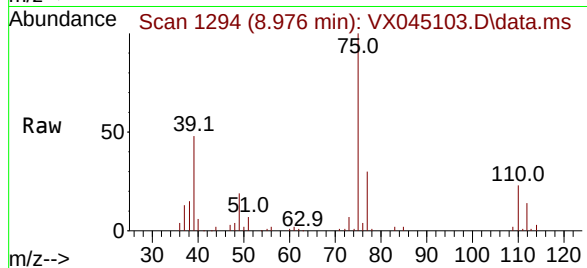
77 30.0 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#54

cis-1,3-Dichloropropene

Concen: 19.598 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.006 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

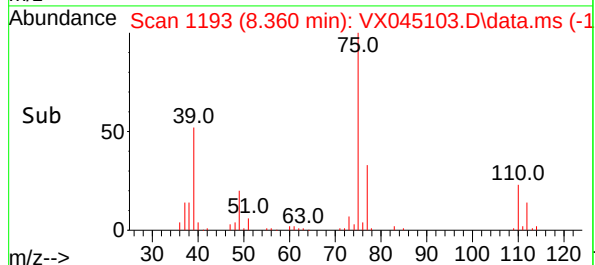
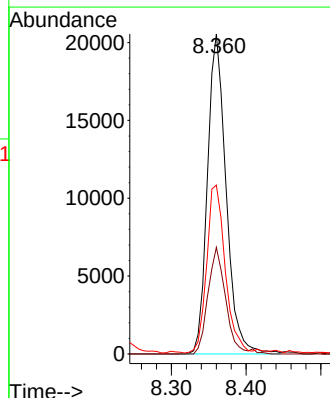
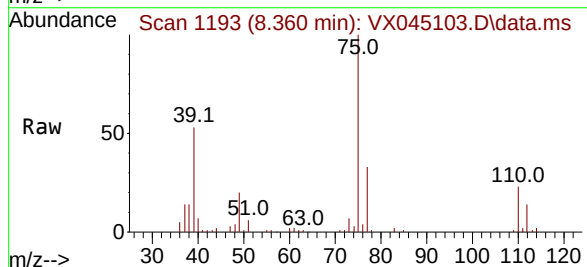
Tgt Ion: 75 Resp: 35606

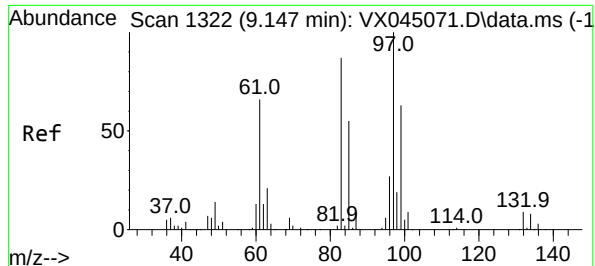
Ion Ratio Lower Upper

75 100

77 33.3 24.7 37.1

39 52.2 40.7 61.1





#55

1,1,2-Trichloroethane

Concen: 17.749 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VX0303WBS01

Tgt Ion: 97 Resp: 22414

Ion Ratio Lower Upper

97 100

83 84.1 69.4 104.2

85 55.4 44.1 66.1

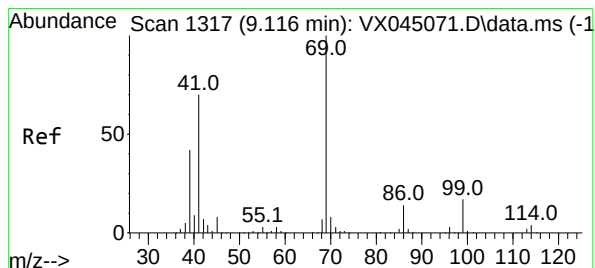
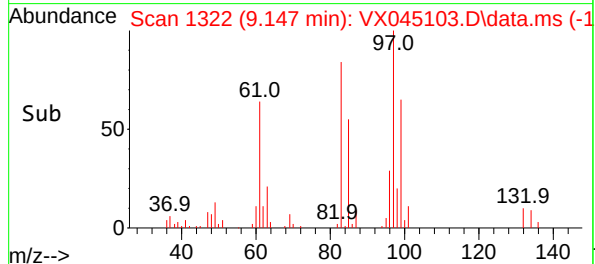
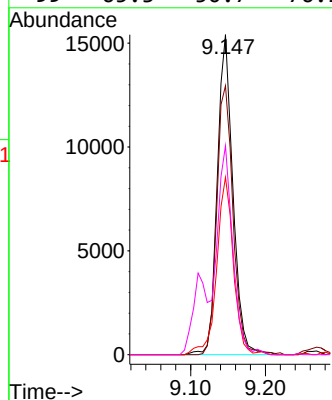
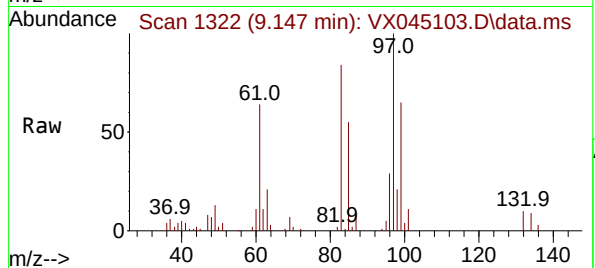
99 65.3 50.7 76.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#56

Ethyl methacrylate

Concen: 17.182 ug/l

RT: 9.110 min Scan# 1316

Delta R.T. -0.006 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

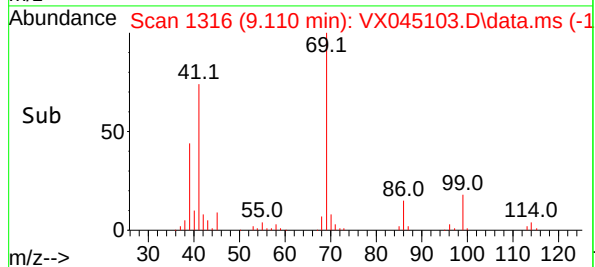
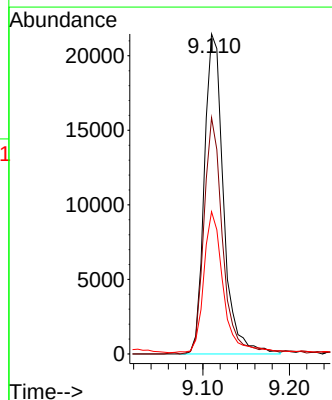
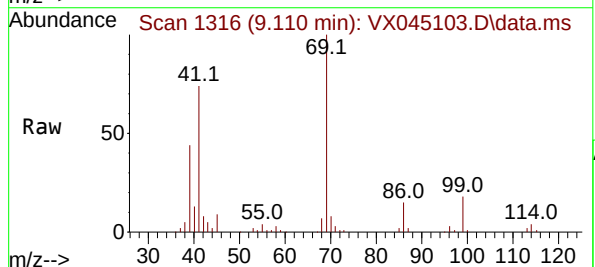
Tgt Ion: 69 Resp: 32981

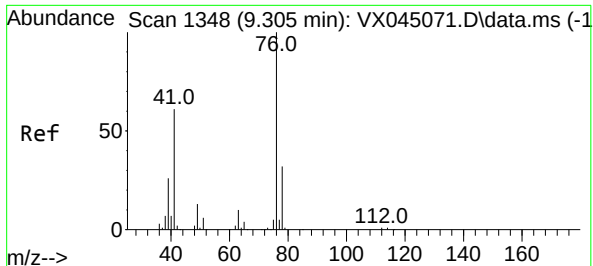
Ion Ratio Lower Upper

69 100

41 73.4 57.0 85.4

39 44.8 34.2 51.4





#57

1,3-Dichloropropane

Concen: 18.391 ug/l

RT: 9.305 min Scan# 1119

Delta R.T. -0.000 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VX0303WBS01

Tgt Ion: 76 Resp: 4019

Ion Ratio Lower Upper

76 100

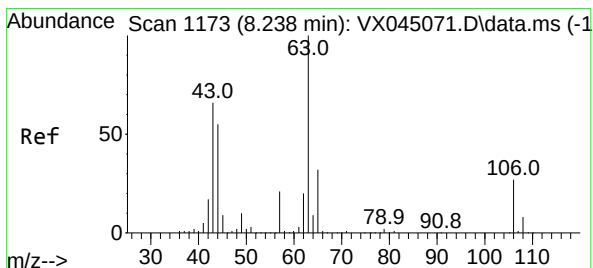
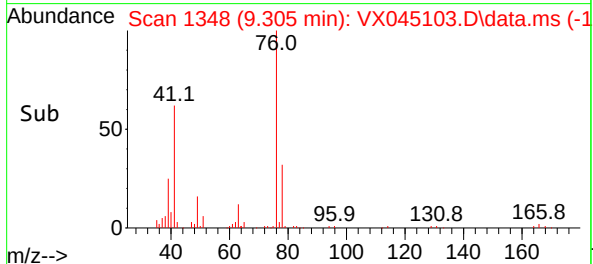
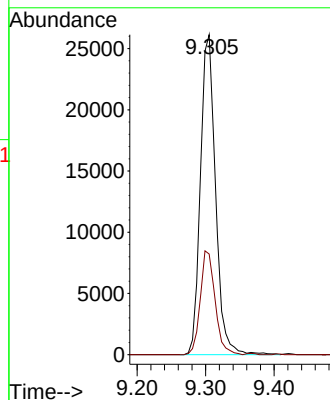
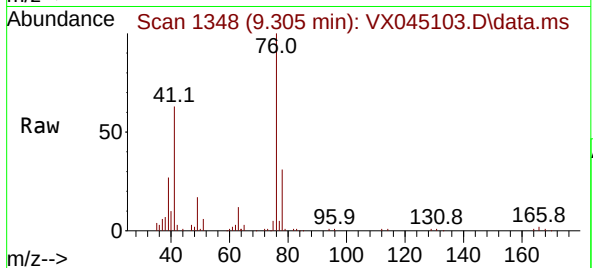
78 31.8 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#58

2-Chloroethyl Vinyl ether

Concen: 68.432 ug/l

RT: 8.232 min Scan# 1172

Delta R.T. -0.006 min

Lab File: VX045103.D

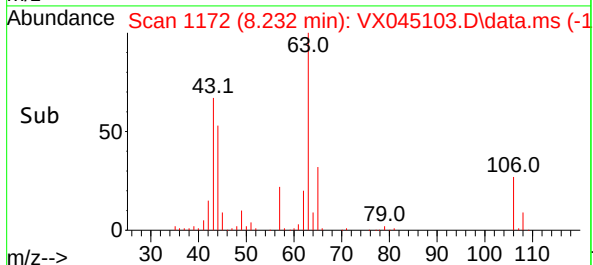
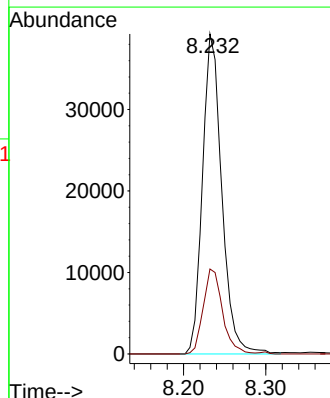
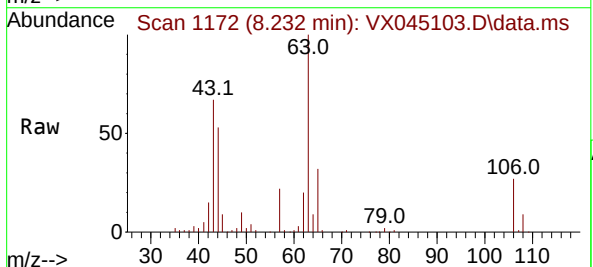
Acq: 03 Mar 2025 10:37

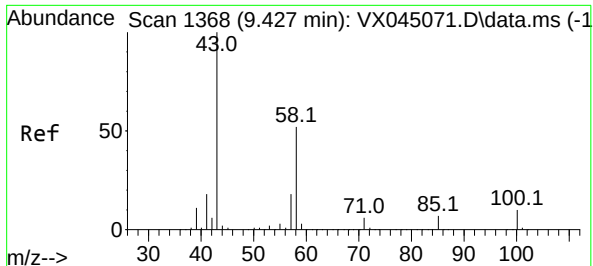
Tgt Ion: 63 Resp: 64078

Ion Ratio Lower Upper

63 100

106 26.4 21.5 32.3





#59

2-Hexanone

Concen: 84.835 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.000 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VX0303WBS01

Tgt Ion: 43 Resp: 130199

Ion Ratio Lower Upper

43 100

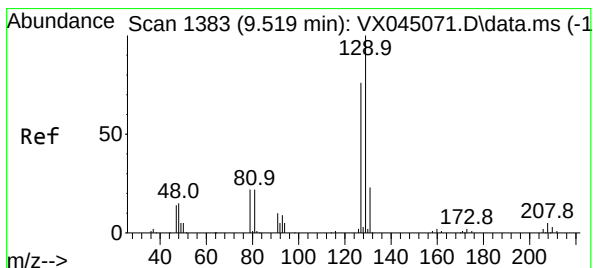
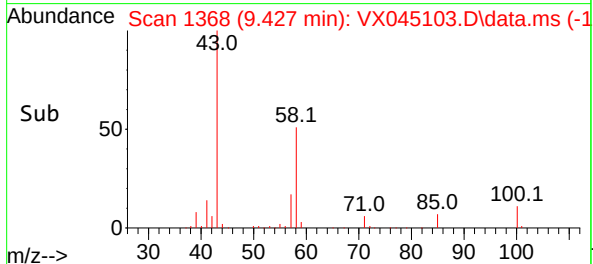
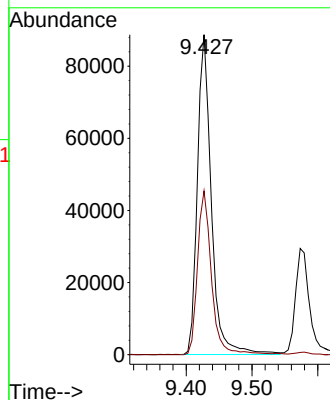
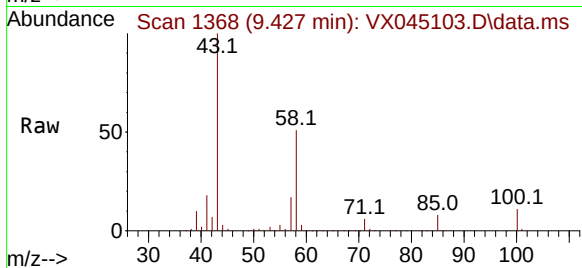
58 51.4 25.9 77.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#60

Dibromochloromethane

Concen: 18.960 ug/l

RT: 9.512 min Scan# 1382

Delta R.T. -0.006 min

Lab File: VX045103.D

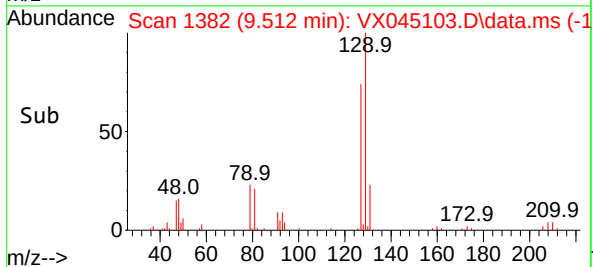
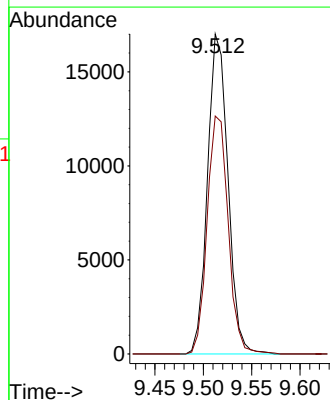
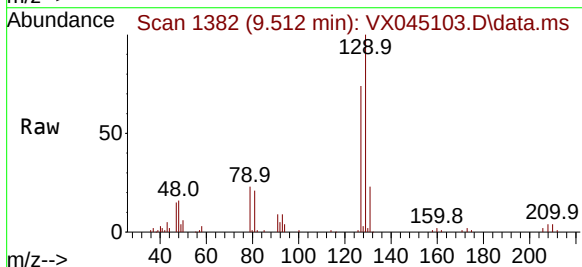
Acq: 03 Mar 2025 10:37

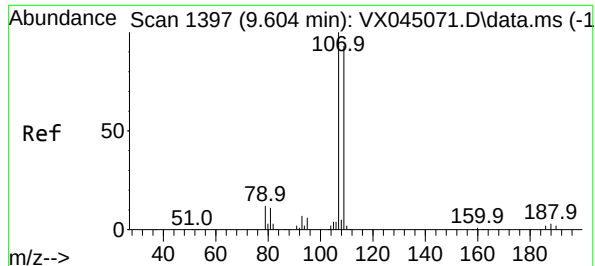
Tgt Ion:129 Resp: 25034

Ion Ratio Lower Upper

129 100

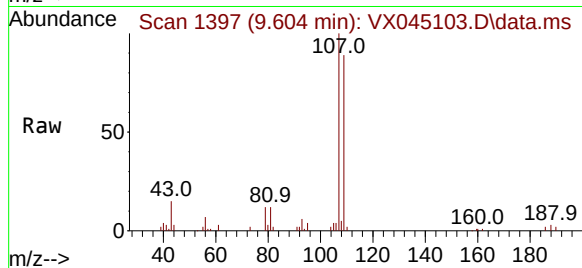
127 76.7 38.5 115.5





#61
1,2-Dibromoethane
Concen: 18.027 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

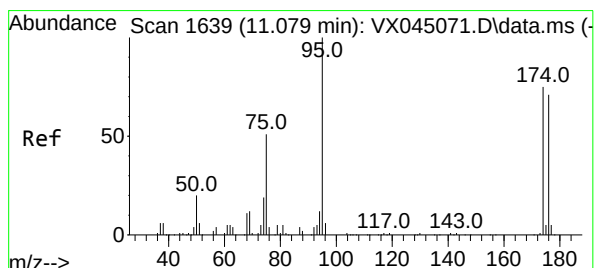
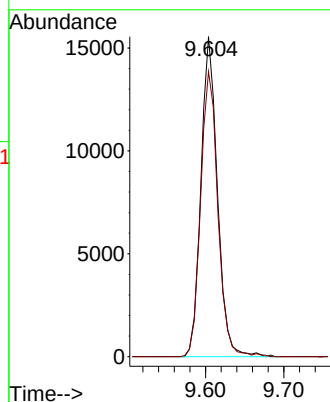
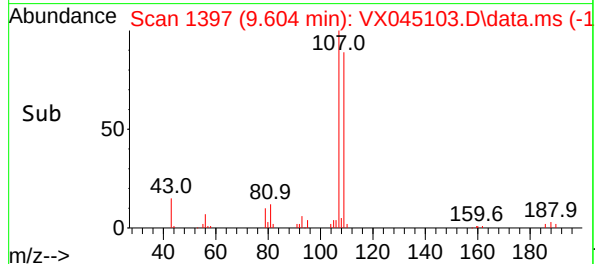
Instrument :
MSVOA_X
ClientSampleId :
VX0303WBS01



Tgt Ion:107 Resp: 22720
Ion Ratio Lower Upper
107 100
109 93.2 76.1 114.1

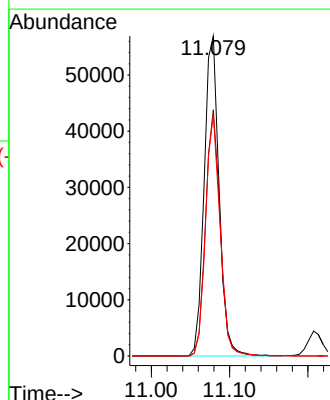
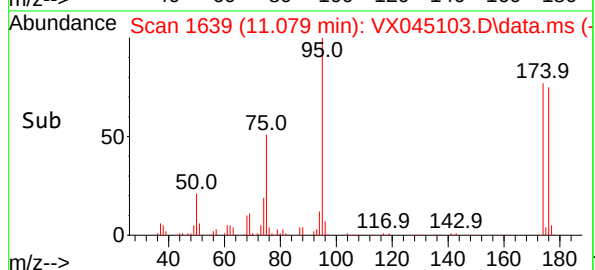
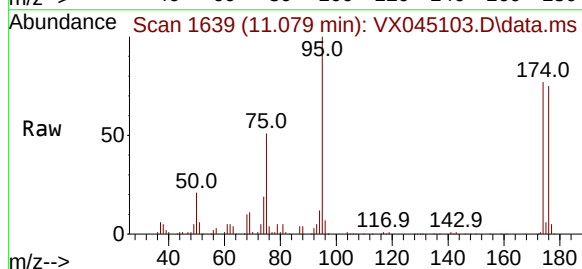
Manual Integrations
APPROVED

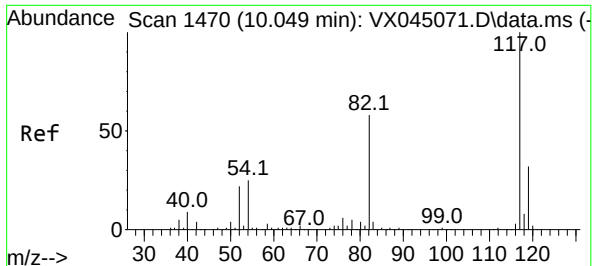
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#62
4-Bromofluorobenzene
Concen: 51.824 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

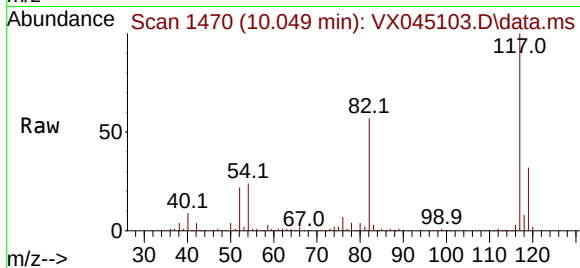
Tgt Ion: 95 Resp: 75163
Ion Ratio Lower Upper
95 100
174 75.3 0.0 148.2
176 73.1 0.0 141.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

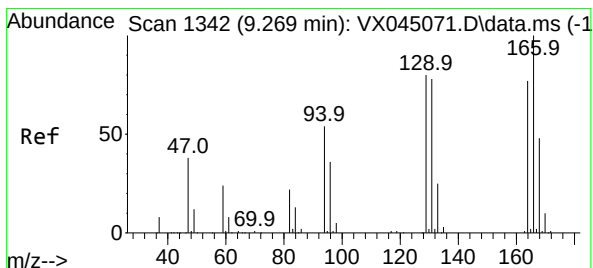
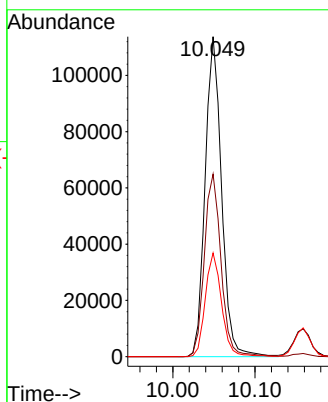
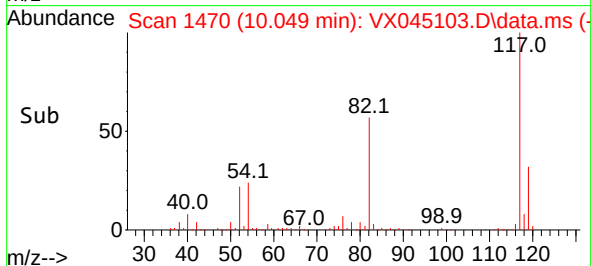
Instrument :
MSVOA_X
ClientSampleId :
VX0303WBS01



Tgt Ion:117 Resp: 15819
Ion Ratio Lower Upper
117 100
82 57.1 46.3 69.5
119 32.4 25.7 38.5

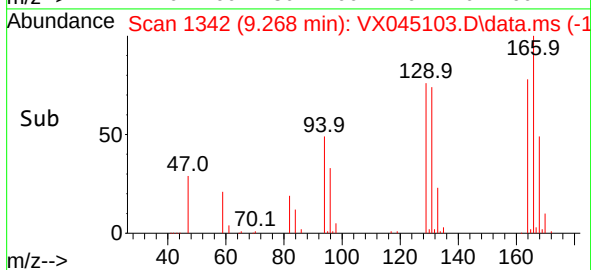
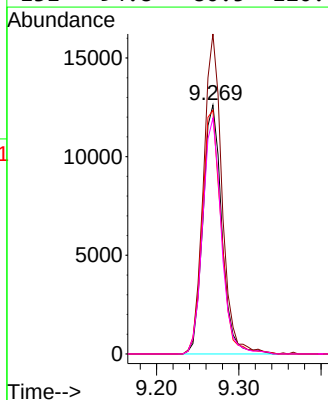
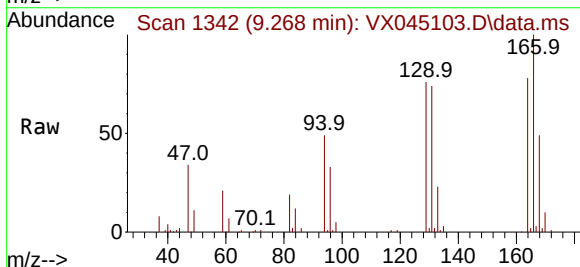
Manual Integrations
APPROVED

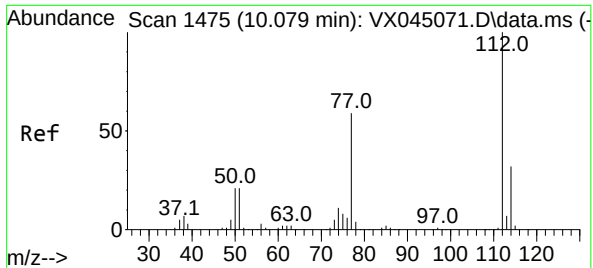
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#64
Tetrachloroethene
Concen: 19.816 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

Tgt Ion:164 Resp: 20077
Ion Ratio Lower Upper
164 100
166 128.6 103.6 155.4
129 97.9 82.7 124.1
131 94.8 80.5 120.7





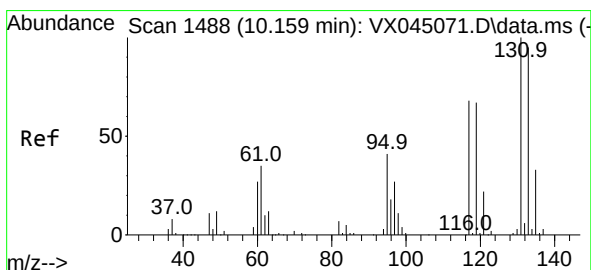
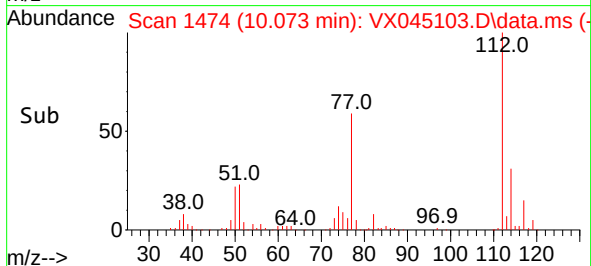
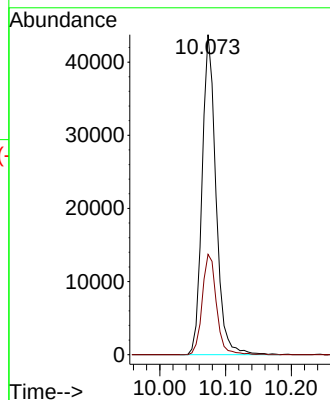
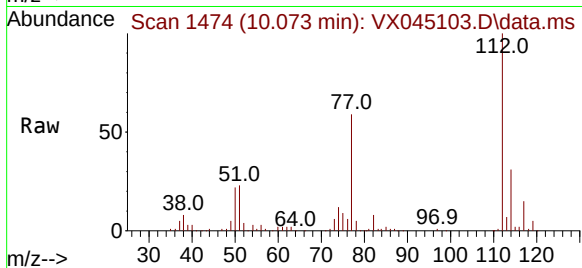
#65
Chlorobenzene
Concen: 19.163 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VX0303WBS01

Tgt Ion:112 Resp: 6414
Ion Ratio Lower Upper
112 100
114 31.3 26.0 39.0

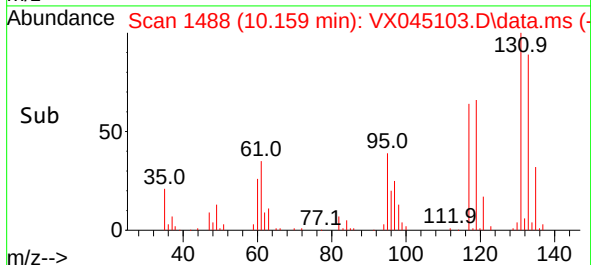
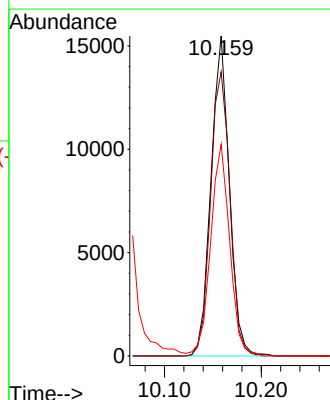
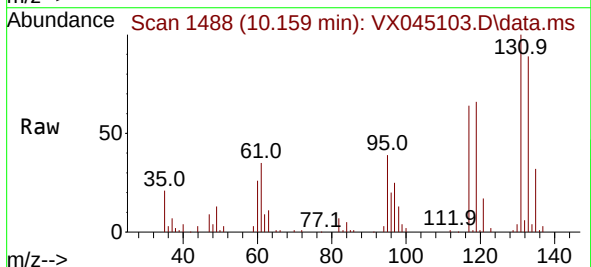
Manual Integrations
APPROVED

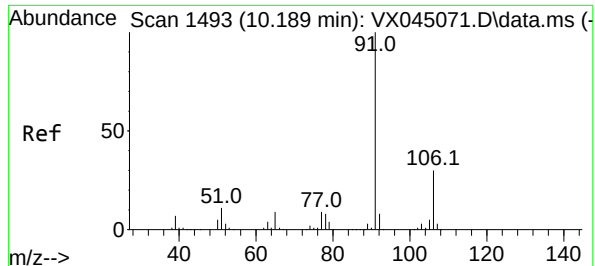
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 18.306 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

Tgt Ion:131 Resp: 20407
Ion Ratio Lower Upper
131 100
133 94.3 48.6 145.9
119 68.6 33.9 101.7





#67

Ethyl Benzene

Concen: 19.150 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VX0303WBS01

Tgt Ion: 91 Resp: 11169

Ion Ratio Lower Upper

91 100

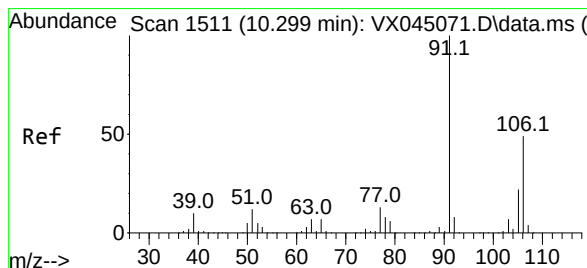
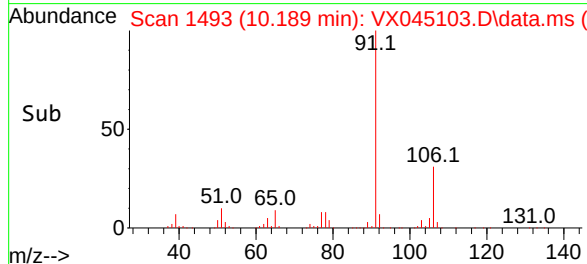
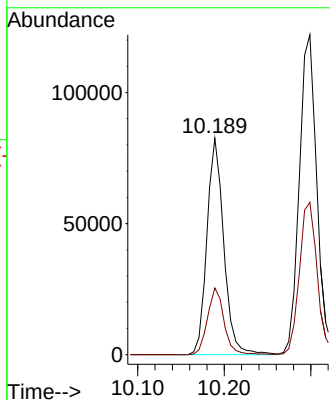
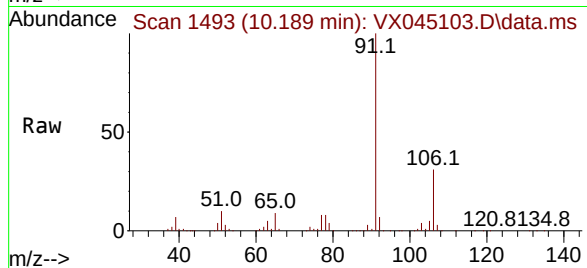
106 30.8 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#68

m/p-Xylenes

Concen: 39.633 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX045103.D

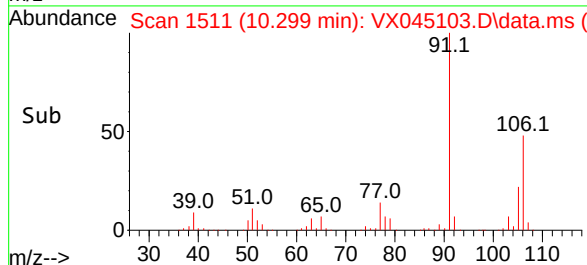
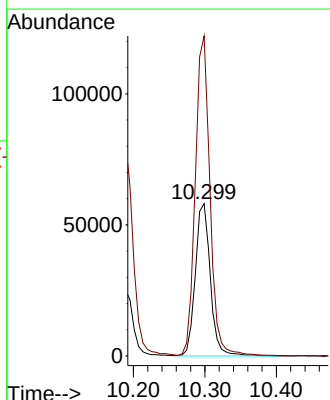
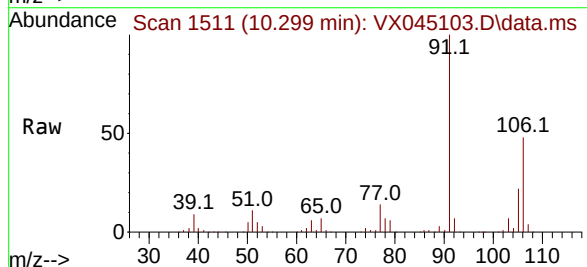
Acq: 03 Mar 2025 10:37

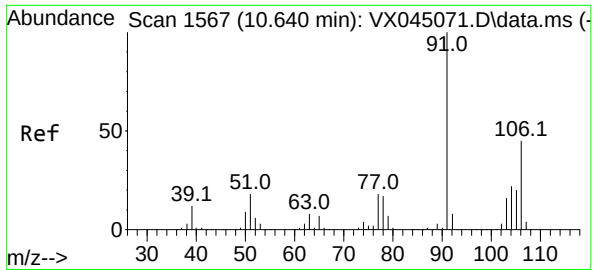
Tgt Ion:106 Resp: 84625

Ion Ratio Lower Upper

106 100

91 205.8 165.4 248.0





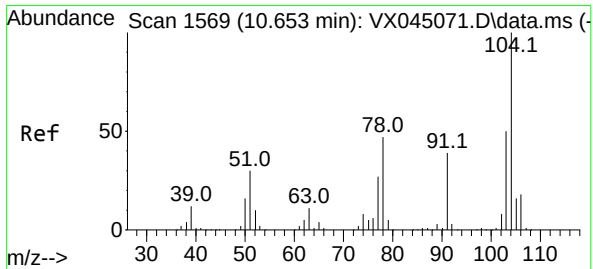
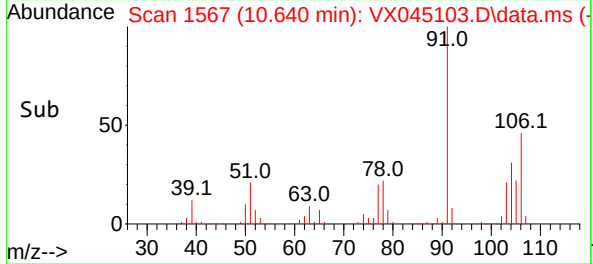
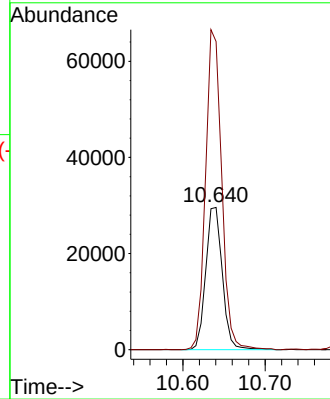
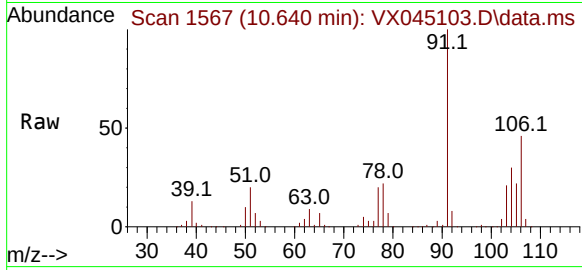
#69
o-Xylene
Concen: 19.255 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VX0303WBS01

Tgt Ion:106 Resp: 41460
Ion Ratio Lower Upper
106 100
91 218.8 109.9 329.6

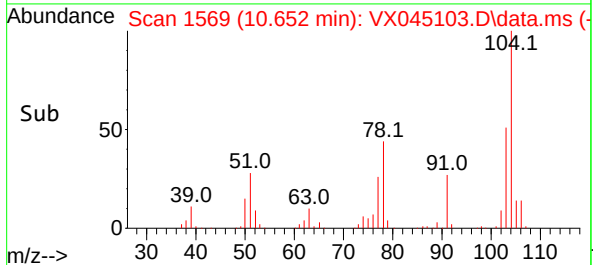
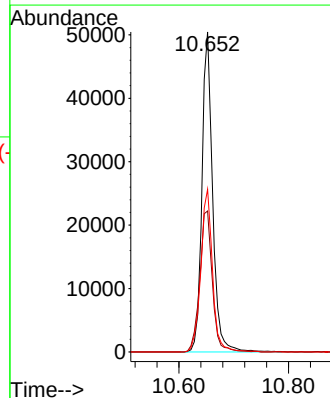
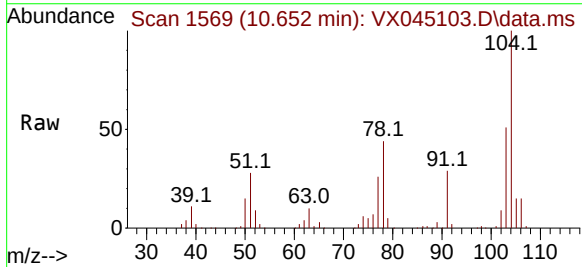
Manual Integrations
APPROVED

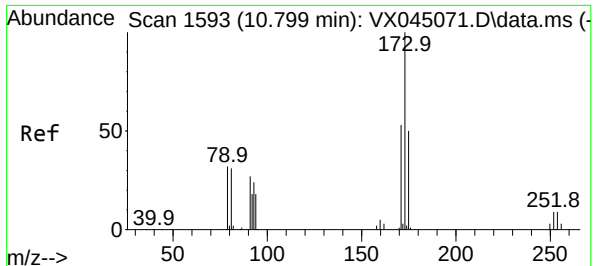
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#70
Styrene
Concen: 19.643 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

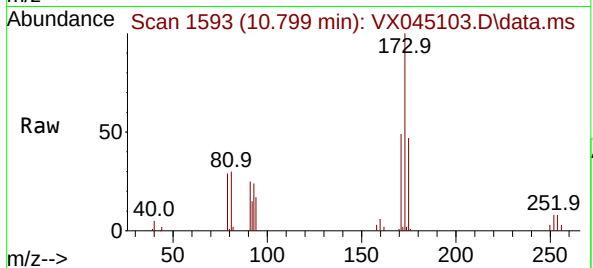
Tgt Ion:104 Resp: 68447
Ion Ratio Lower Upper
104 100
78 51.8 42.2 63.4
103 55.6 43.8 65.8





#71
Bromoform
Concen: 18.083 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

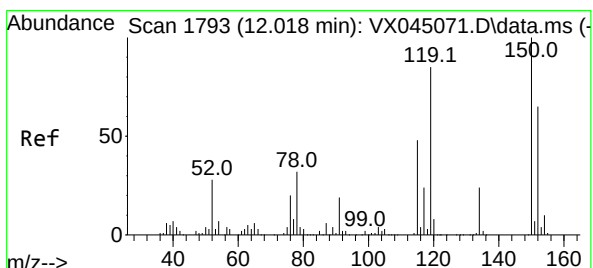
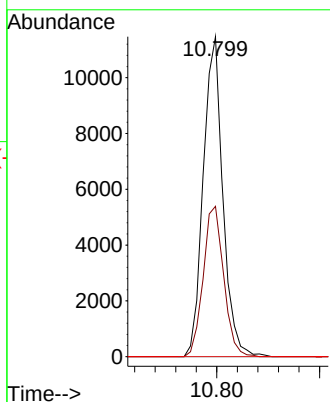
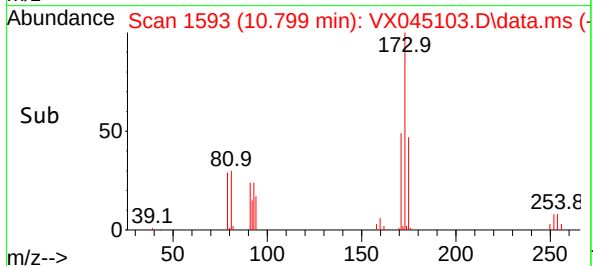
Instrument :
MSVOA_X
ClientSampleId :
VX0303WBS01



Tgt Ion:173 Resp: 1520
Ion Ratio Lower Upper
173 100
175 49.2 24.6 73.6
254 0.0 0.0 0.0

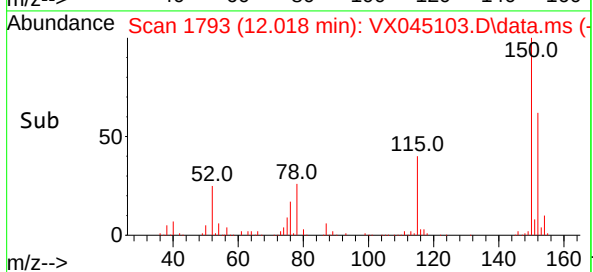
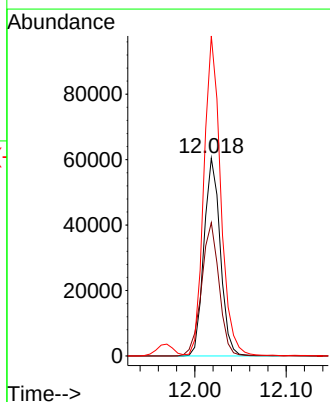
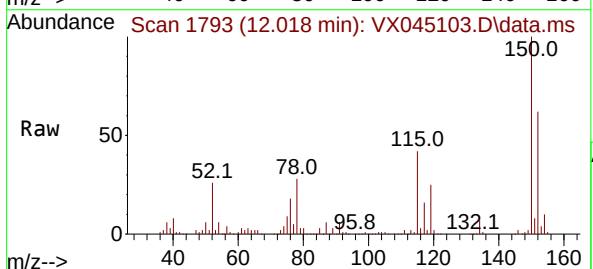
Manual Integrations
APPROVED

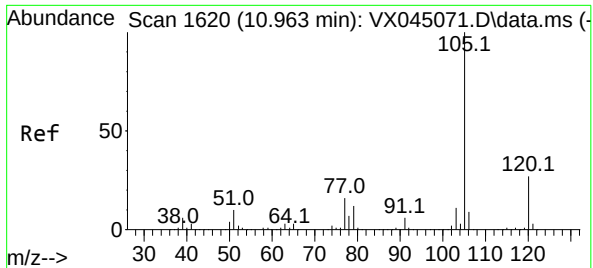
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

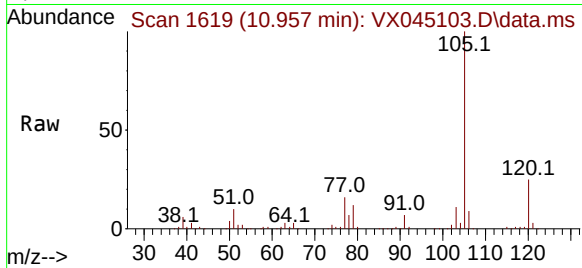
Tgt Ion:152 Resp: 74771
Ion Ratio Lower Upper
152 100
115 72.4 44.2 132.6
150 166.3 0.0 349.0





#73
Isopropylbenzene
Concen: 18.555 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

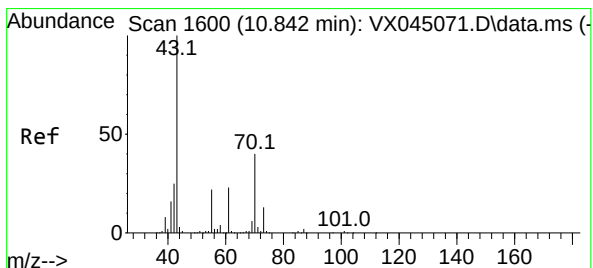
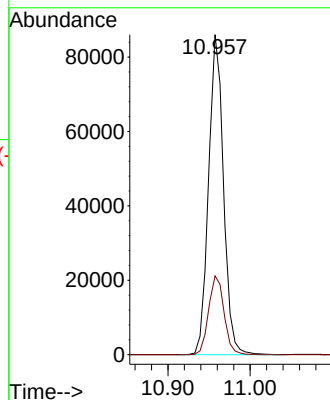
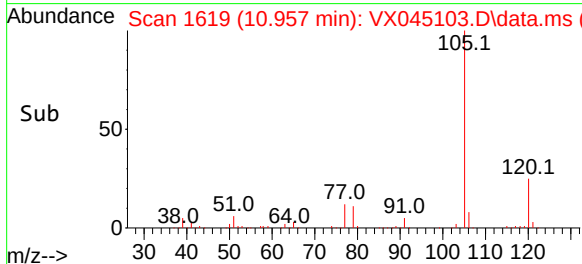
Instrument :
MSVOA_X
ClientSampleId :
VX0303WBS01



Tgt Ion:105 Resp: 10828
Ion Ratio Lower Upper
105 100
120 25.5 13.2 39.5

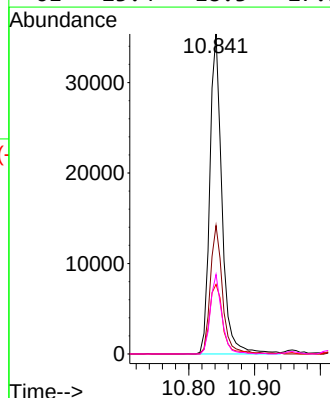
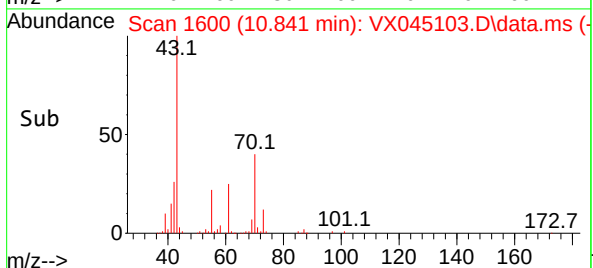
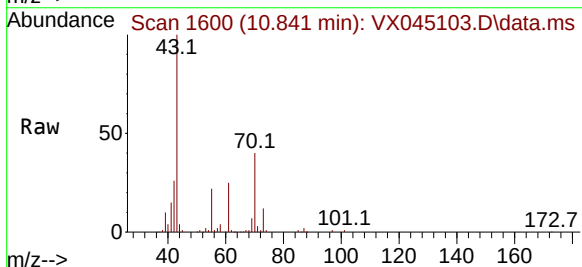
Manual Integrations
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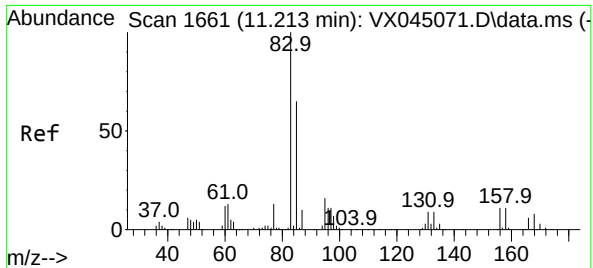
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#74
N-ethyl acetate
Concen: 16.605 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

Tgt Ion: 43 Resp: 45473
Ion Ratio Lower Upper
43 100
70 40.1 31.8 47.6
55 23.9 18.3 27.5
61 23.4 18.3 27.5





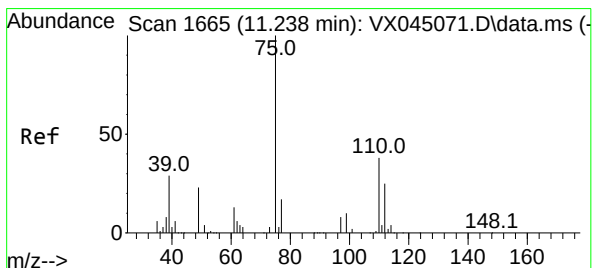
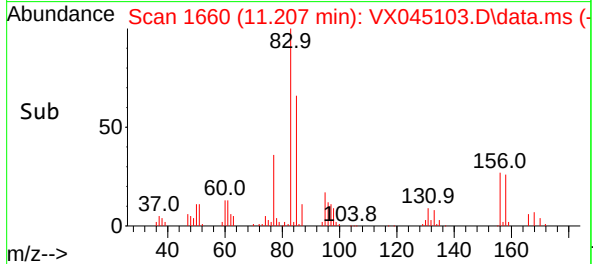
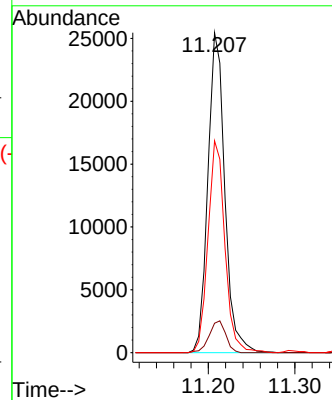
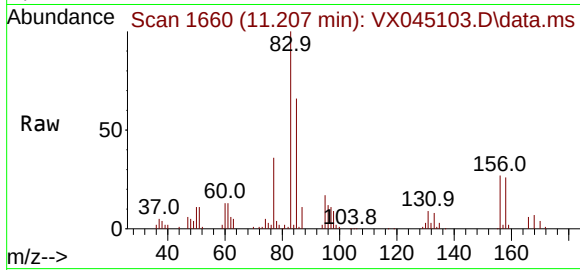
#75
1,1,2,2-Tetrachloroethane
Concen: 16.102 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.006 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VX0303WBS01

Tgt Ion: 83 Resp: 3448
Ion Ratio Lower Upper
83 100
131 9.8 4.5 13.4
85 66.0 31.7 95.1

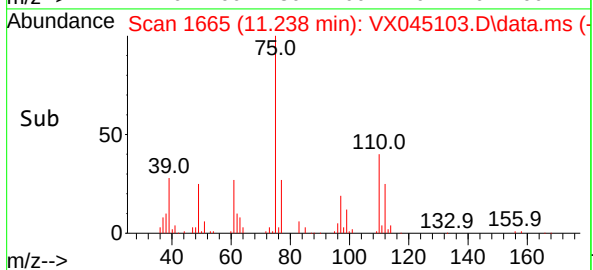
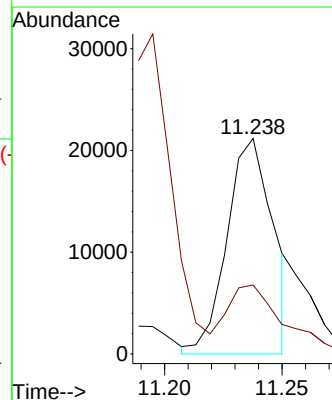
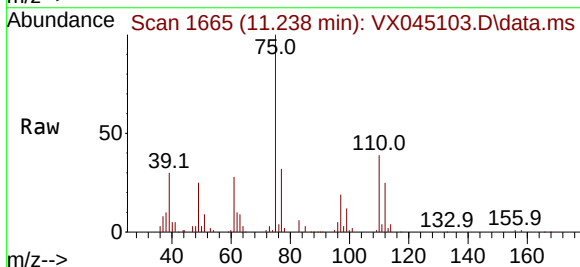
Manual Integrations
APPROVED

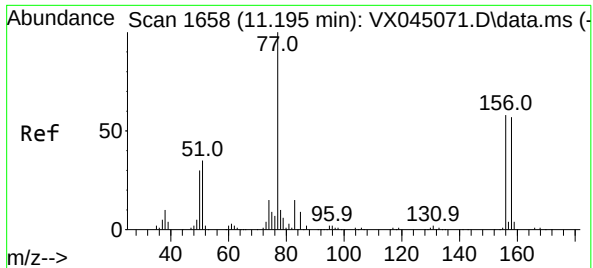
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#76
1,2,3-Trichloropropane
Concen: 16.564 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

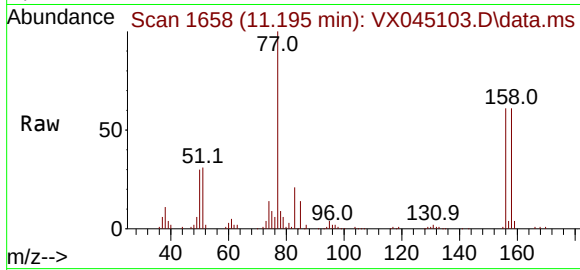
Tgt Ion: 75 Resp: 28826
Ion Ratio Lower Upper
75 100
77 39.5 20.7 62.1





#77
Bromobenzene
Concen: 18.169 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

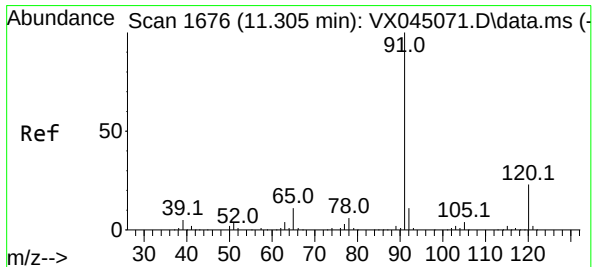
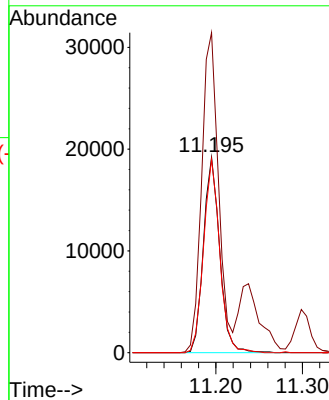
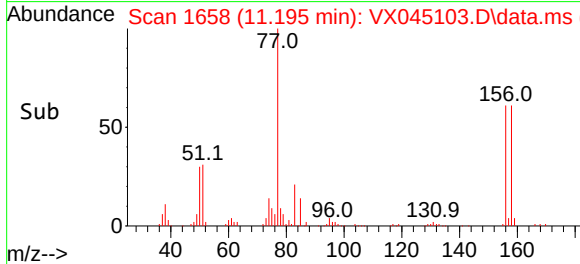
Instrument :
MSVOA_X
ClientSampleId :
VX0303WBS01



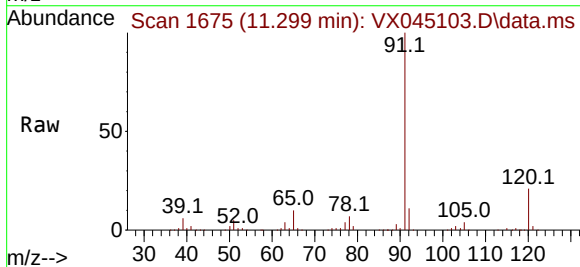
Tgt Ion:156 Resp: 25018
Ion Ratio Lower Upper
156 100
77 169.4 85.8 257.4
158 98.7 48.4 145.2

Manual Integrations
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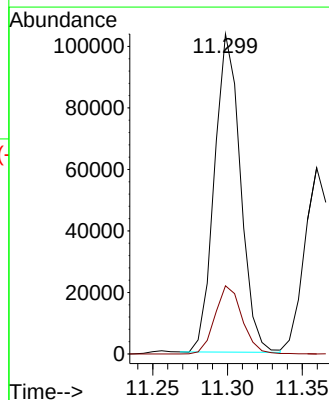
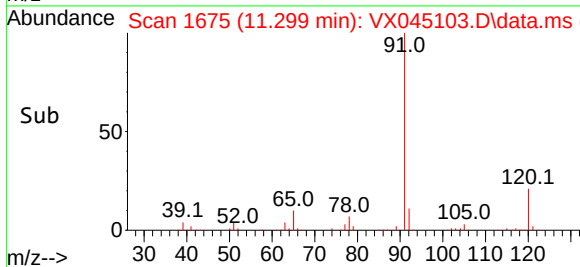
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025

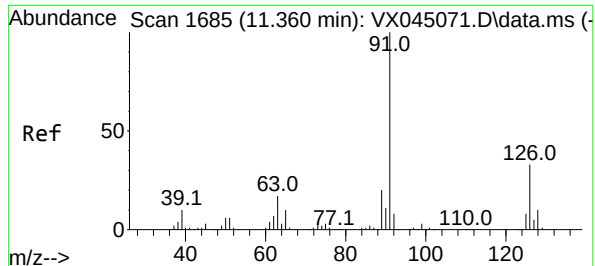


#78
n-propylbenzene
Concen: 18.976 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37



Tgt Ion: 91 Resp: 125099
Ion Ratio Lower Upper
91 100
120 22.4 11.2 33.6





#79

2-Chlorotoluene

Concen: 18.149 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VX0303WBS01

Tgt Ion: 91 Resp: 7620

Ion Ratio Lower Upper

91 100

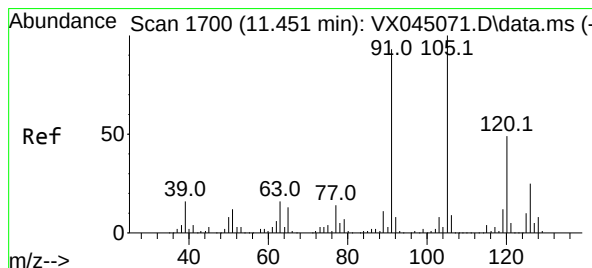
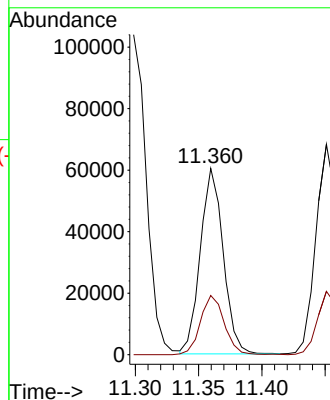
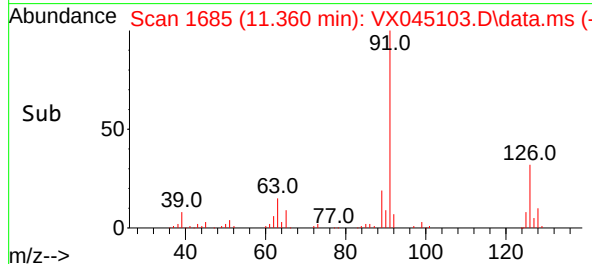
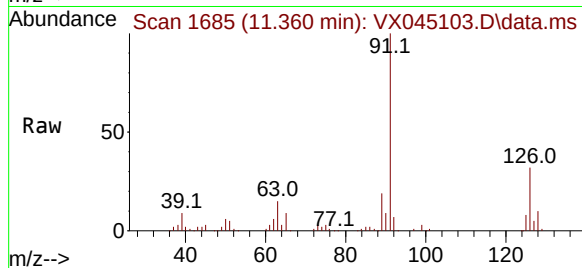
126 33.2 16.4 49.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#80

1,3,5-Trimethylbenzene

Concen: 19.116 ug/l

RT: 11.445 min Scan# 1699

Delta R.T. -0.006 min

Lab File: VX045103.D

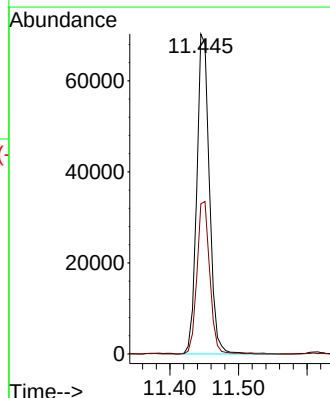
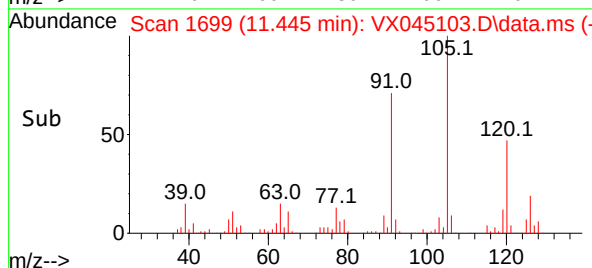
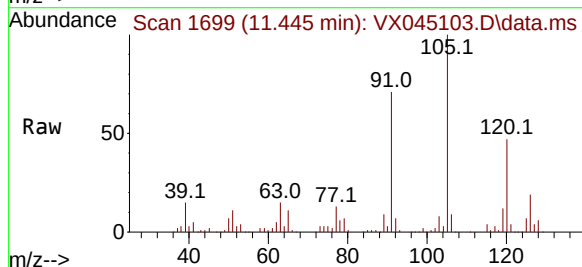
Acq: 03 Mar 2025 10:37

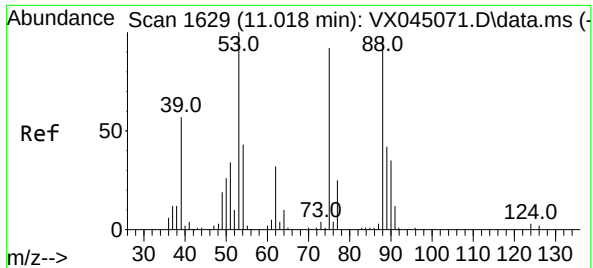
Tgt Ion:105 Resp: 90205

Ion Ratio Lower Upper

105 100

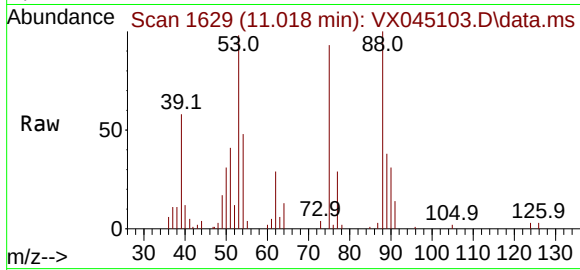
120 48.2 24.1 72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 16.317 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

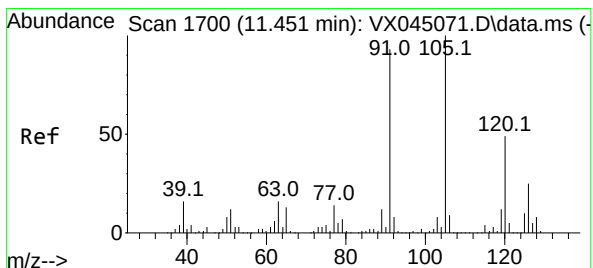
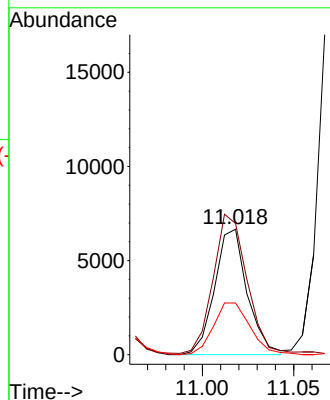
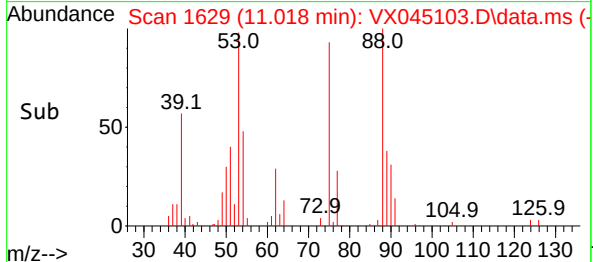
Instrument :
MSVOA_X
ClientSampleId :
VX0303WBS01



Tgt Ion: 75 Resp: 8298
Ion Ratio Lower Upper
75 100
53 118.1 88.5 132.7
89 46.4 36.2 54.4

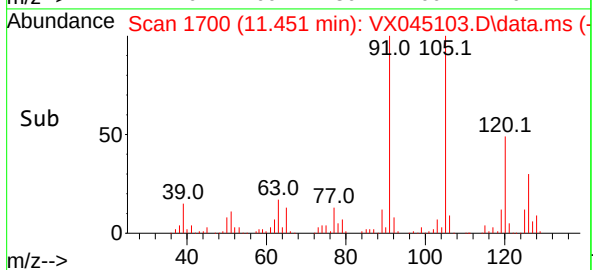
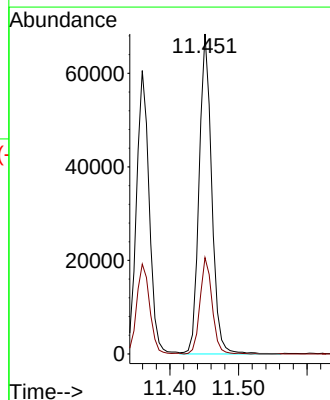
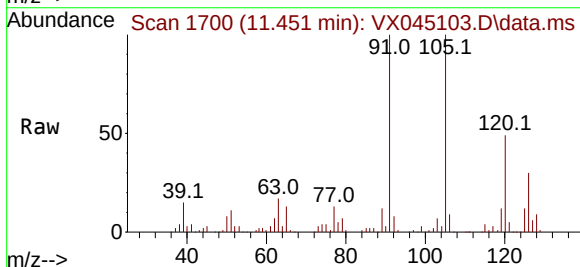
Manual Integrations
APPROVED

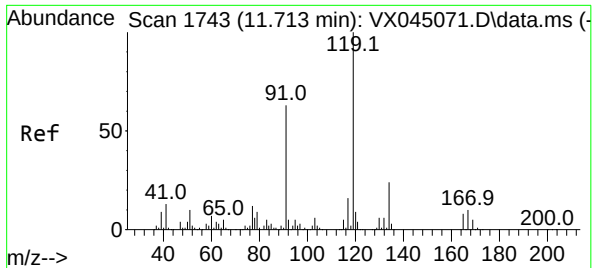
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#82
4-Chlorotoluene
Concen: 19.119 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

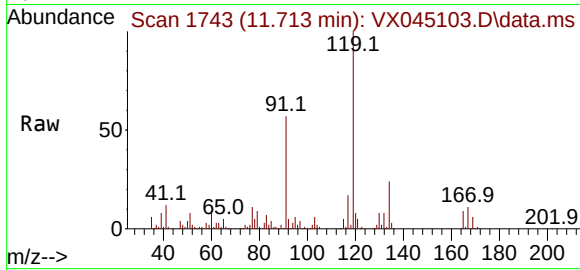
Tgt Ion: 91 Resp: 87488
Ion Ratio Lower Upper
91 100
126 28.9 14.1 42.4





#83
tert-Butylbenzene
Concen: 18.761 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

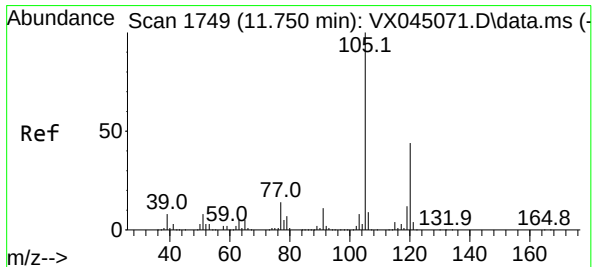
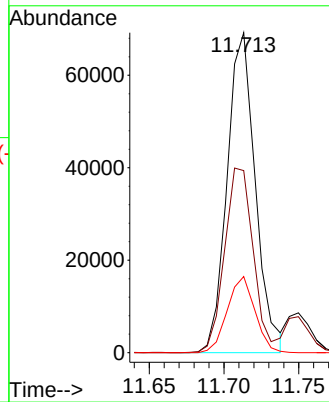
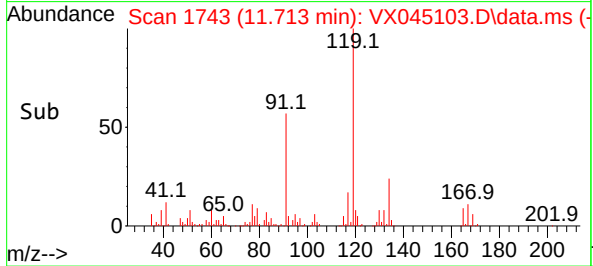
Instrument :
MSVOA_X
ClientSampleId :
VX0303WBS01



Tgt Ion:119 Resp: 90963
Ion Ratio Lower Upper
119 100
91 58.3 30.7 92.1
134 23.3 11.7 35.0

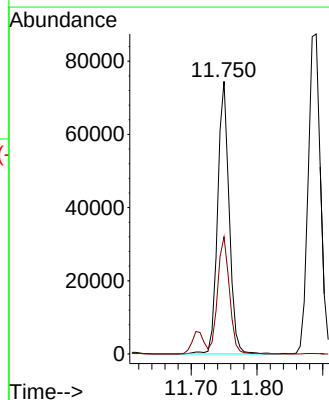
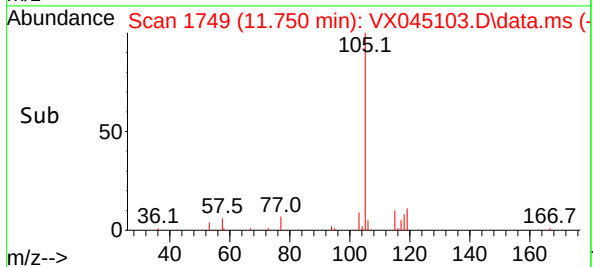
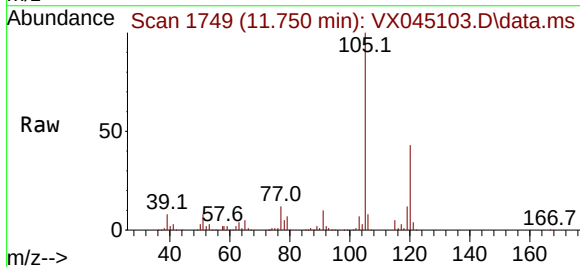
Manual Integrations
APPROVED

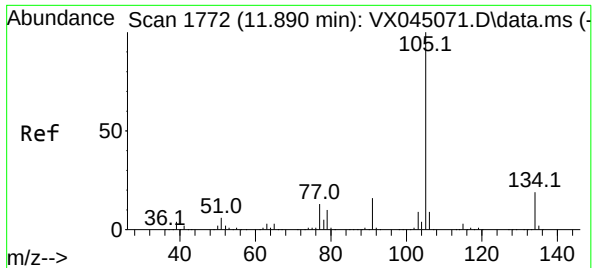
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#84
1,2,4-Trimethylbenzene
Concen: 19.123 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

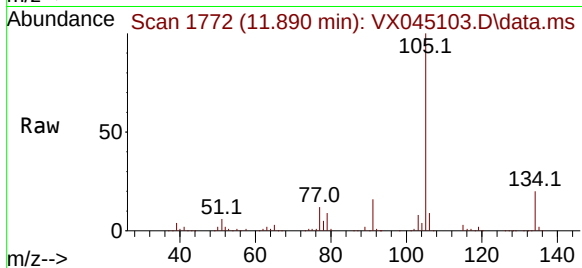
Tgt Ion:105 Resp: 90800
Ion Ratio Lower Upper
105 100
120 44.1 22.1 66.1





#85
 sec-Butylbenzene
 Concen: 19.673 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX045103.D
 Acq: 03 Mar 2025 10:37

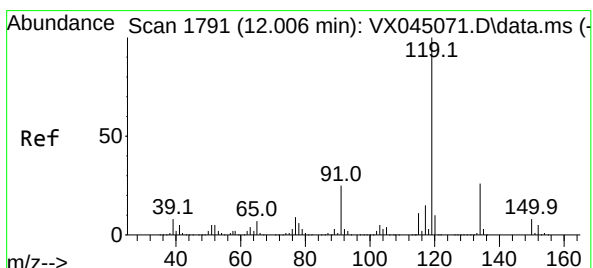
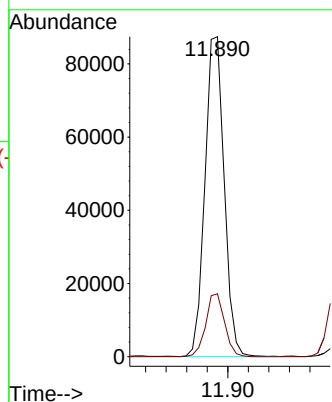
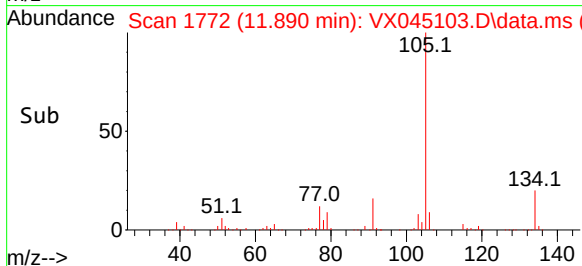
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0303WBS01



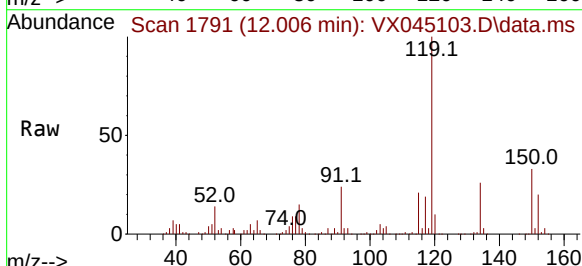
Tgt Ion:105 Resp: 114262
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.8 29.4

Manual Integrations
 APPROVED

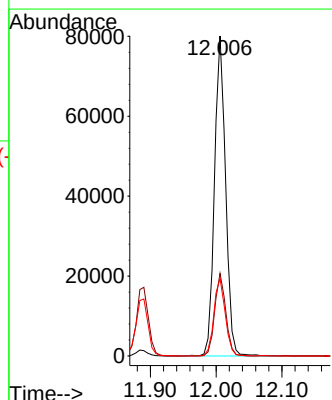
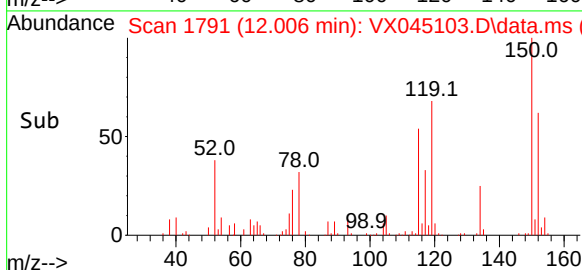
Reviewed By :John Carlone 03/04/2025
 Supervised By :Mahesh Dadoda 03/04/2025

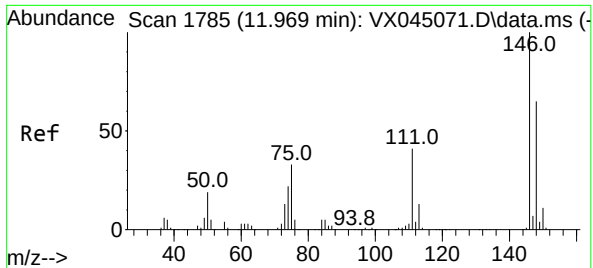


#86
 p-Isopropyltoluene
 Concen: 20.050 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX045103.D
 Acq: 03 Mar 2025 10:37



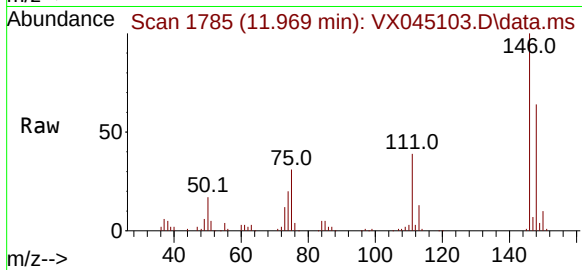
Tgt Ion:119 Resp: 94107
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.9 38.6
 91 24.7 12.7 38.0





#87
1,3-Dichlorobenzene
Concen: 19.325 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

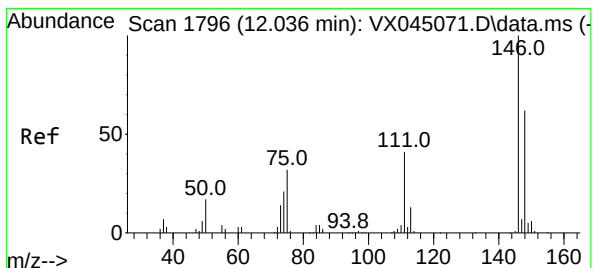
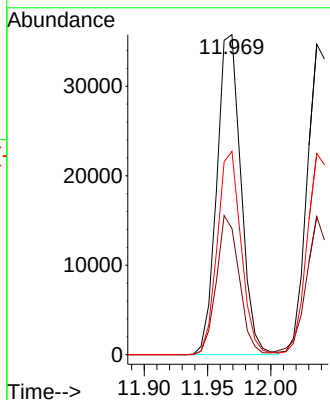
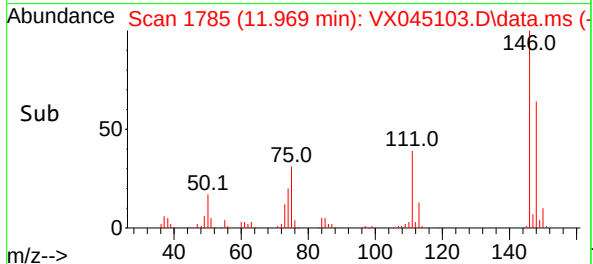
Instrument :
MSVOA_X
ClientSampleId :
VX0303WBS01



Tgt Ion:146 Resp: 4747
Ion Ratio Lower Upper
146 100
111 41.2 21.1 63.4
148 62.9 31.9 95.7

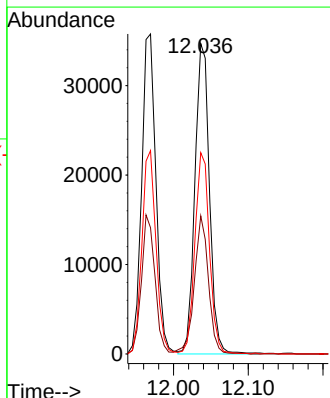
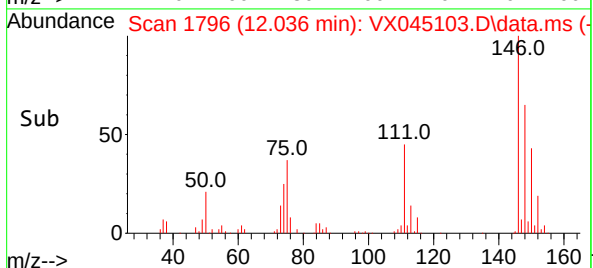
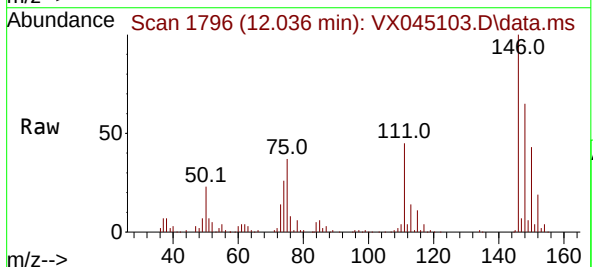
Manual Integrations
APPROVED

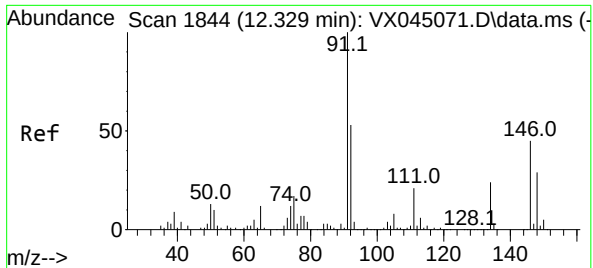
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#88
1,4-Dichlorobenzene
Concen: 18.910 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

Tgt Ion:146 Resp: 46996
Ion Ratio Lower Upper
146 100
111 43.2 20.2 60.5
148 64.9 31.9 95.9





#89

n-Butylbenzene

Concen: 20.663 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX045103.D

Acq: 03 Mar 2025 10:37

Instrument :

MSVOA_X

ClientSampleId :

VX0303WBS01

Tgt Ion: 91 Resp: 8353

Ion Ratio Lower Upper

91 100

92 53.8 26.7 80.0

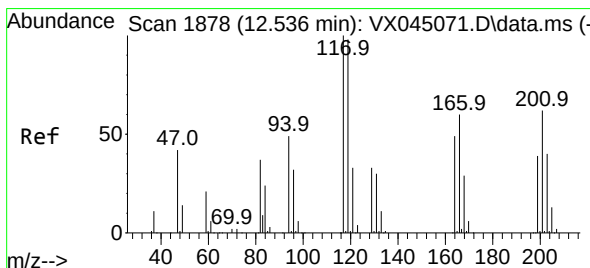
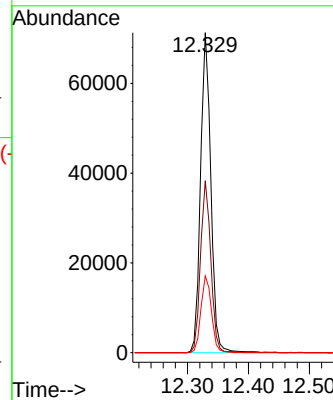
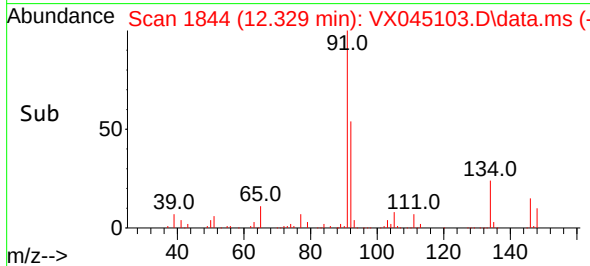
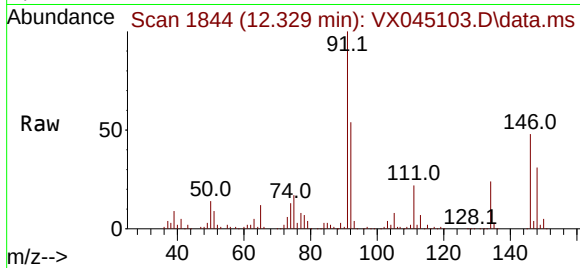
134 24.5 12.2 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/04/2025

Supervised By :Mahesh Dadoda 03/04/2025



#90

Hexachloroethane

Concen: 18.109 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX045103.D

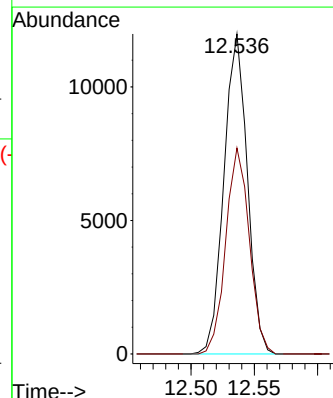
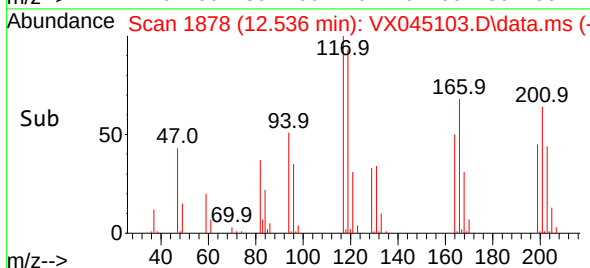
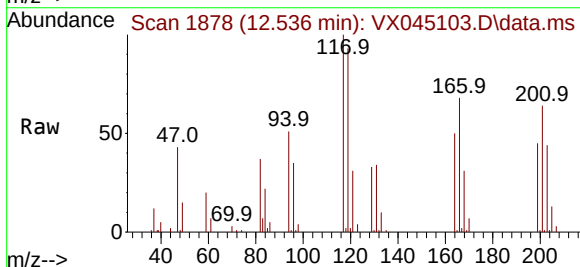
Acq: 03 Mar 2025 10:37

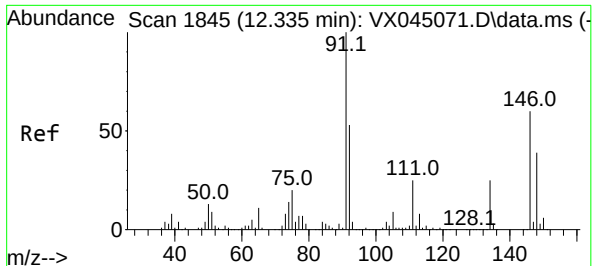
Tgt Ion:117 Resp: 15374

Ion Ratio Lower Upper

117 100

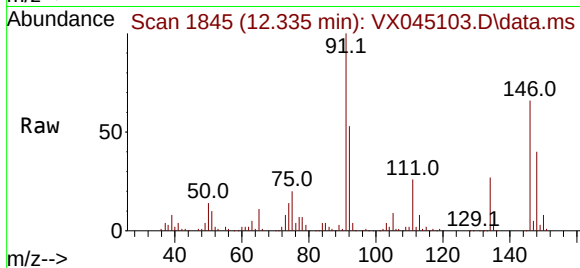
201 64.9 31.9 95.9





#91
1,2-Dichlorobenzene
Concen: 18.922 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

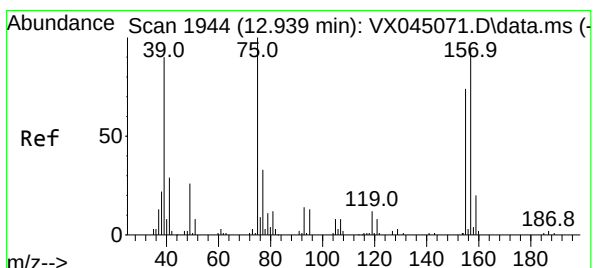
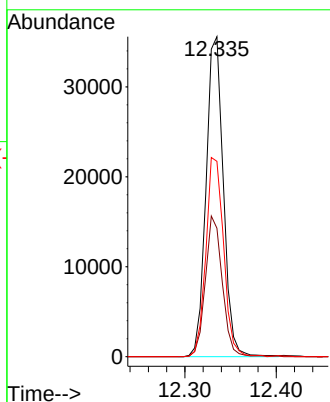
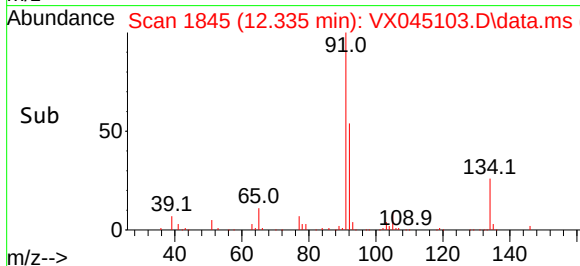
Instrument :
MSVOA_X
ClientSampleId :
VX0303WBS01



Tgt Ion:146 Resp: 46628
Ion Ratio Lower Upper
146 100
111 43.1 21.6 65.0
148 63.8 31.9 95.9

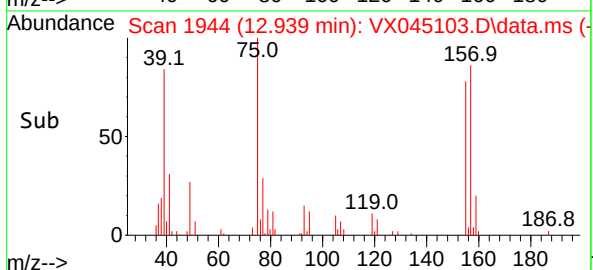
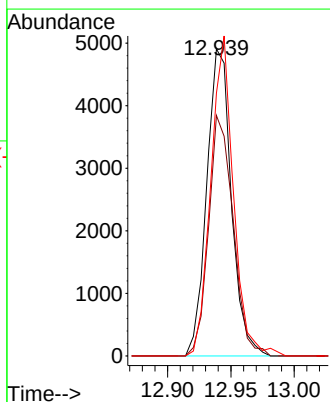
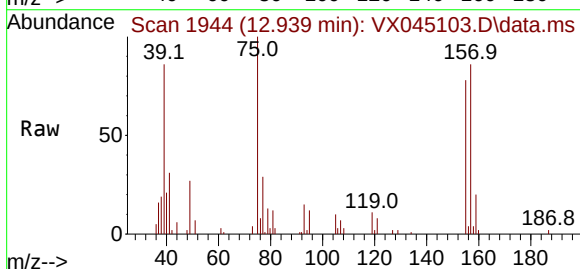
Manual Integrations
APPROVED

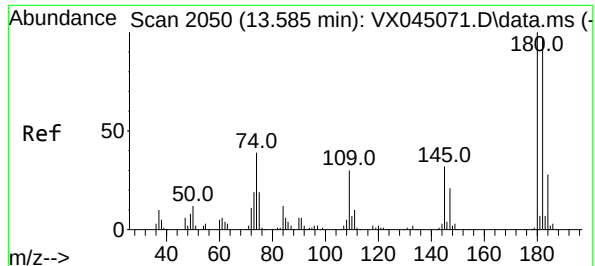
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 15.917 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

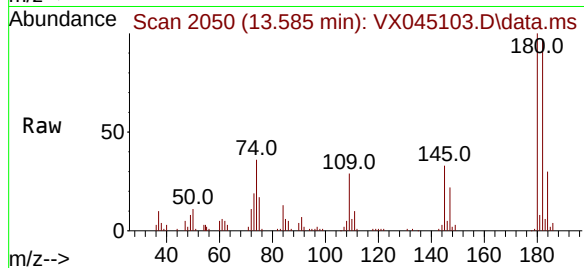
Tgt Ion: 75 Resp: 6641
Ion Ratio Lower Upper
75 100
155 78.1 39.6 118.7
157 95.8 51.1 153.4





#93
1,2,4-Trichlorobenzene
Concen: 19.384 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

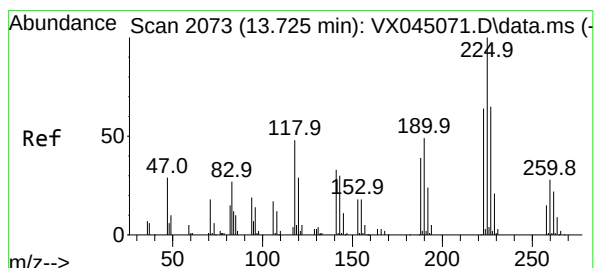
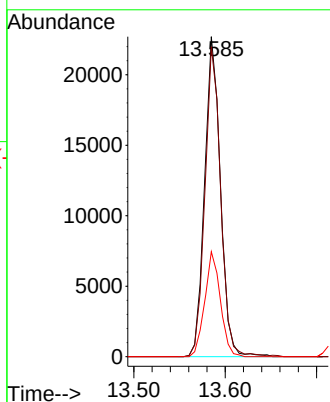
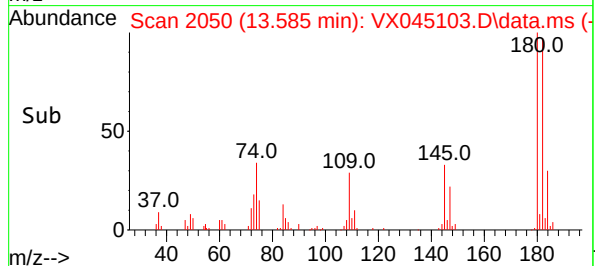
Instrument :
MSVOA_X
ClientSampleId :
VX0303WBS01



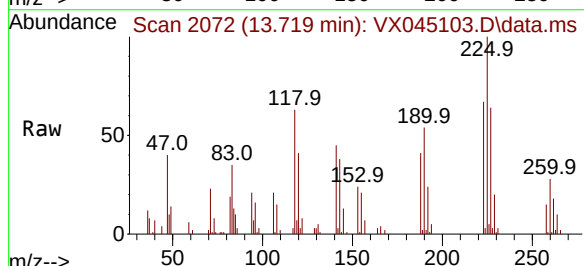
Tgt Ion:180 Resp: 27198
Ion Ratio Lower Upper
180 100
182 96.5 47.3 141.9
145 32.4 16.3 48.9

Manual Integrations
APPROVED

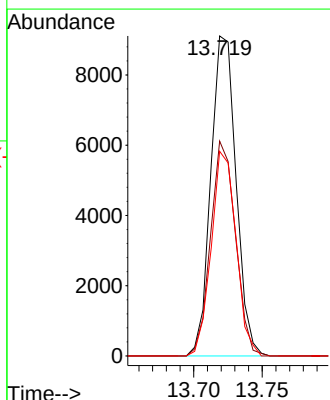
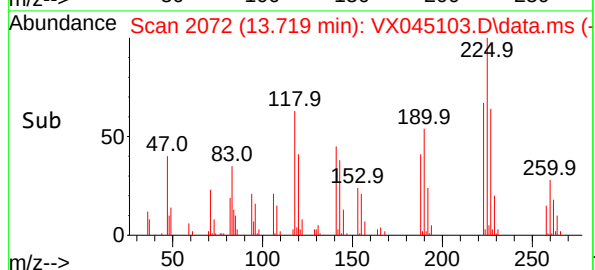
Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025

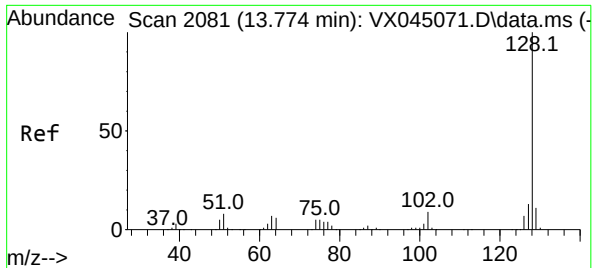


#94
Hexachlorobutadiene
Concen: 20.261 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37



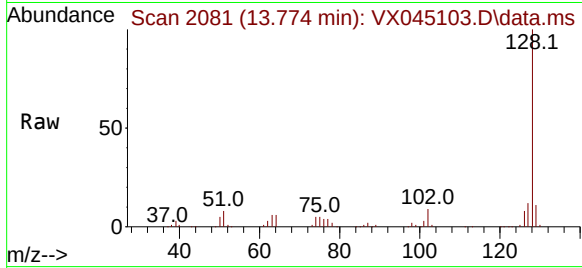
Tgt Ion:225 Resp: 11655
Ion Ratio Lower Upper
225 100
223 66.1 31.9 95.7
227 62.8 31.4 94.0





#95
Naphthalene
Concen: 17.297 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

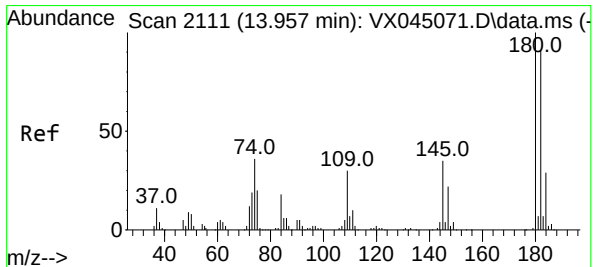
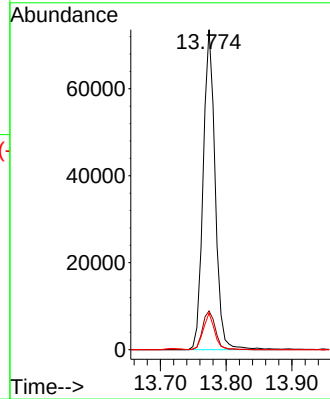
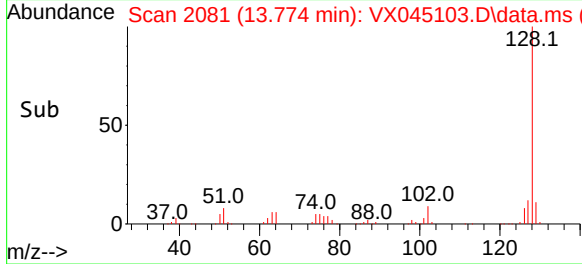
Instrument :
MSVOA_X
ClientSampleId :
VX0303WBS01



Tgt Ion:128 Resp: 93249
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.8 8.7 13.1

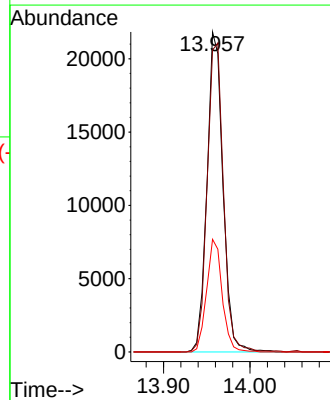
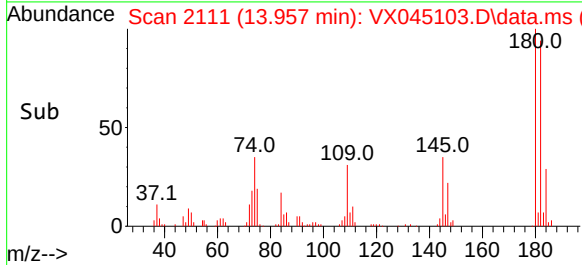
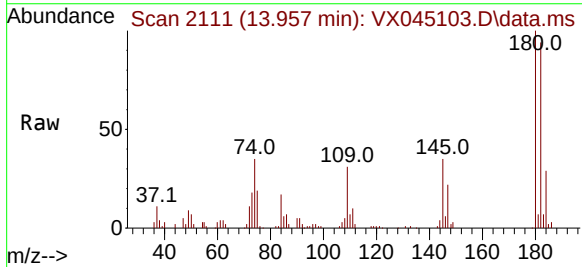
Manual Integrations
APPROVED

Reviewed By :John Carlone 03/04/2025
Supervised By :Mahesh Dadoda 03/04/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.870 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045103.D
Acq: 03 Mar 2025 10:37

Tgt Ion:180 Resp: 27931
Ion Ratio Lower Upper
180 100
182 98.4 47.5 142.6
145 34.5 17.0 50.9



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	VX0305WBS01	SDG No.:	Q1478
Lab Sample ID:	VX0305WBS01	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
VX045130.D	1		03/05/25 10:26	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.3		0.21	1.00	ug/L
74-87-3	Chloromethane	17.2		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	16.6		0.34	1.00	ug/L
74-83-9	Bromomethane	17.0		1.40	5.00	ug/L
75-00-3	Chloroethane	15.5		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.1		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.1		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.5		0.26	1.00	ug/L
67-64-1	Acetone	83.6		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	16.0		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.2		0.16	1.00	ug/L
79-20-9	Methyl Acetate	18.4		0.60	1.00	ug/L
75-09-2	Methylene Chloride	17.2		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.2		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.5		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.5		1.60	5.00	ug/L
78-93-3	2-Butanone	88.4		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.0		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.7		0.25	1.00	ug/L
74-97-5	Bromochloromethane	21.1		0.18	1.00	ug/L
67-66-3	Chloroform	17.6		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.8		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	19.1		0.19	1.00	ug/L
71-43-2	Benzene	18.2		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	17.8		0.24	1.00	ug/L
79-01-6	Trichloroethene	17.5		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	17.5		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	17.8		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	89.5		0.75	5.00	ug/L
108-88-3	Toluene	18.4		0.18	1.00	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.		Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221		Date Received:	
Client Sample ID:	VX0305WBS01		SDG No.:	Q1478
Lab Sample ID:	VX0305WBS01		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
VX045130.D	1		03/05/25 10:26	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	17.8		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.3		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	17.8		0.21	1.00	ug/L
591-78-6	2-Hexanone	89.1		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	17.1		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	17.9		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	18.5		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.5		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	18.5		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	38.3		0.31	2.00	ug/L
95-47-6	o-Xylene	18.5		0.14	1.00	ug/L
100-42-5	Styrene	18.4		0.16	1.00	ug/L
75-25-2	Bromoform	17.5		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	18.5		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.5		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.4		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.2		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.2		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.8		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.0		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.7		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		70 (74) - 130 (125)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	98800	5.544			
540-36-3	1,4-Difluorobenzene	178000	6.757			
3114-55-4	Chlorobenzene-d5	153000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	68700	12.018			

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	VX0305WBS01	SDG No.:	Q1478
Lab Sample ID:	VX0305WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045130.D	1		03/05/25 10:26	VX030525

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\VX030525\
 Data File : VX045130.D
 Acq On : 05 Mar 2025 10:26
 Operator : JC/MD
 Sample : VX0305WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0305WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/06/2025
 Supervised By : Mahesh Dadoda 03/06/2025

Quant Time: Mar 06 01:00:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	98769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	177910	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	153160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75979	48.361	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.720%		
35) Dibromofluoromethane	5.379	113	58696	49.339	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.680%		
50) Toluene-d8	8.647	98	215565	49.982	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.960%		
62) 4-Bromofluorobenzene	11.079	95	70764	49.515	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.020%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	21481	17.278	ug/l	96
3) Chloromethane	1.307	50	26225	17.236	ug/l	99
4) Vinyl Chloride	1.374	62	25102	16.631	ug/l	94
5) Bromomethane	1.593	94	10069	16.970	ug/l	99
6) Chloroethane	1.660	64	10788	15.496	ug/l	100
7) Trichlorofluoromethane	1.867	101	36124	18.079	ug/l	97
8) Diethyl Ether	2.136	74	12688	16.235	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.312	101	21877	19.058	ug/l	98
10) Methyl Iodide	2.441	142	25051	17.462	ug/l	99
11) Tert butyl alcohol	2.995	59	20837	70.020	ug/l	97
12) 1,1-Dichloroethene	2.306	96	21299	17.549	ug/l	98
13) Acrolein	2.239	56	32376	94.116	ug/l	99
14) Allyl chloride	2.654	41	38481	17.812	ug/l	97
15) Acrylonitrile	3.068	53	69973	87.734	ug/l	100
16) Acetone	2.386	43	60954	83.622	ug/l	97
17) Carbon Disulfide	2.495	76	51693	15.991	ug/l	98
18) Methyl Acetate	2.709	43	32206	18.366	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	69964	17.182	ug/l	97
20) Methylene Chloride	2.782	84	24882	17.232	ug/l	93
21) trans-1,2-Dichloroethene	3.081	96	21772	18.158	ug/l	93
22) Diisopropyl ether	3.763	45	78201	17.799	ug/l	95
23) Vinyl Acetate	3.721	43	321815	87.770	ug/l	99
24) 1,1-Dichloroethane	3.605	63	43208	17.547	ug/l	98
25) 2-Butanone	4.562	43	97011	88.416	ug/l	95
26) 2,2-Dichloropropane	4.471	77	29281	25.352	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	26173	17.683	ug/l	97
28) Bromochloromethane	4.891	49	24801	21.131	ug/l	98
29) Tetrahydrofuran	5.007	42	63896	86.717	ug/l	100
30) Chloroform	5.086	83	43030	17.587	ug/l	99
31) Cyclohexane	5.458	56	39502	18.481	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	35212	17.819	ug/l	99
36) 1,1-Dichloropropene	5.684	75	28601	17.531	ug/l	98
37) Ethyl Acetate	4.721	43	35651	16.958	ug/l	99
38) Carbon Tetrachloride	5.672	117	29823	18.005	ug/l	94
39) Methylcyclohexane	7.379	83	37321	19.091	ug/l	97
40) Benzene	6.031	78	93693	18.186	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
 Data File : VX045130.D
 Acq On : 05 Mar 2025 10:26
 Operator : JC/MD
 Sample : VX0305WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0305WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/06/2025
 Supervised By : Mahesh Dadoda 03/06/2025

Quant Time: Mar 06 01:00:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	19884	17.492	ug/l	99
42) 1,2-Dichloroethane	6.080	62	33034	17.806	ug/l	100
43) Isopropyl Acetate	6.342	43	53751	17.291	ug/l	99
44) Trichloroethene	7.123	130	21228	17.548	ug/l	98
45) 1,2-Dichloropropane	7.427	63	23229	17.537	ug/l	100
46) Dibromomethane	7.580	93	16830	17.976	ug/l	100
47) Bromodichloromethane	7.818	83	32751	17.834	ug/l	100
48) Methyl methacrylate	7.696	41	27005	17.316	ug/l	100
49) 1,4-Dioxane	7.671	88	11794	358.508	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	186745	89.468	ug/l	99
52) Toluene	8.714	92	55728	18.437	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	27299	17.782	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	32740	18.288	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	22188	17.831	ug/l	99
56) Ethyl methacrylate	9.116	69	31725	16.772	ug/l	97
57) 1,3-Dichloropropane	9.305	76	38444	17.852	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	91212	98.854	ug/l	99
59) 2-Hexanone	9.433	43	134690	89.062	ug/l	100
60) Dibromochloromethane	9.519	129	22271	17.117	ug/l	98
61) 1,2-Dibromoethane	9.610	107	22232	17.897	ug/l	98
64) Tetrachloroethene	9.269	164	18169	18.522	ug/l	94
65) Chlorobenzene	10.079	112	60057	18.531	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	18881	17.494	ug/l	98
67) Ethyl Benzene	10.195	91	104623	18.527	ug/l	98
68) m/p-Xylenes	10.299	106	79227	38.326	ug/l	98
69) o-Xylene	10.640	106	38603	18.515	ug/l	98
70) Styrene	10.652	104	62119	18.414	ug/l	100
71) Bromoform	10.799	173	14223	17.476	ug/l #	99
73) Isopropylbenzene	10.963	105	99357	18.537	ug/l	99
74) N-amyl acetate	10.841	43	43022	17.106	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	34410	17.495	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	31073m	19.442	ug/l	
77) Bromobenzene	11.201	156	22526	17.813	ug/l	98
78) n-propylbenzene	11.305	91	111961	18.492	ug/l	99
79) 2-Chlorotoluene	11.366	91	67983	17.631	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	81071	18.707	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	7585	16.241	ug/l	87
82) 4-Chlorotoluene	11.451	91	75650	18.001	ug/l	99
83) tert-Butylbenzene	11.713	119	80170	18.004	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	80507	18.462	ug/l	98
85) sec-Butylbenzene	11.890	105	100051	18.757	ug/l	100
86) p-Isopropyltoluene	12.006	119	81717	18.957	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	41421	18.360	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	41624	18.237	ug/l	98
89) n-Butylbenzene	12.329	91	68722	18.510	ug/l	99
90) Hexachloroethane	12.536	117	13358	17.133	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	41178	18.196	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6446	16.822	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	23221	18.020	ug/l	100
94) Hexachlorobutadiene	13.725	225	9699	18.359	ug/l	98
95) Naphthalene	13.774	128	89255	18.028	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	25405	18.688	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045130.D
Acq On : 05 Mar 2025 10:26
Operator : JC/MD
Sample : VX0305WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

Quant Time: Mar 06 01:00:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

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

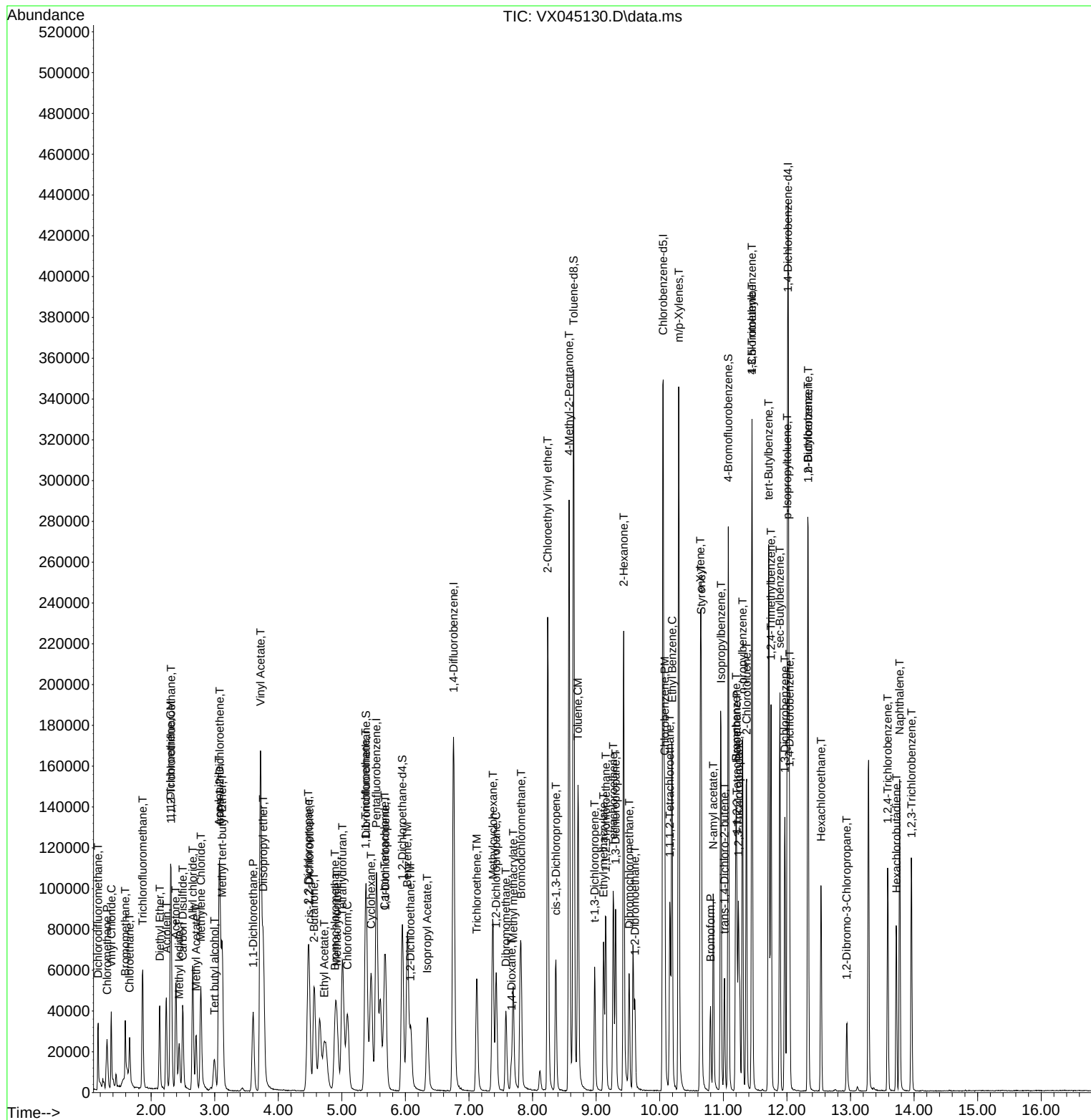
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Data File : VX045130.D
Acq On : 05 Mar 2025 10:26
Operator : JC/MD
Sample : VX0305WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

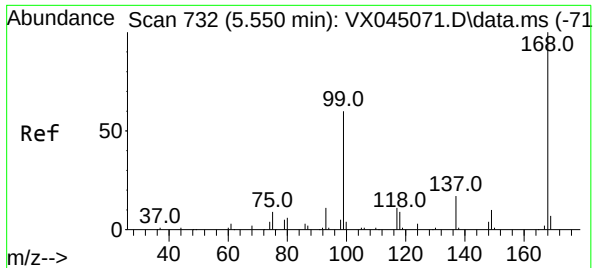
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

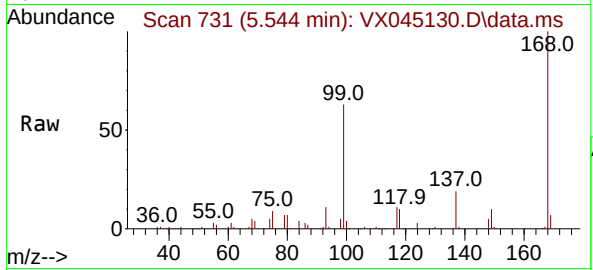
Quant Time: Mar 06 01:00:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

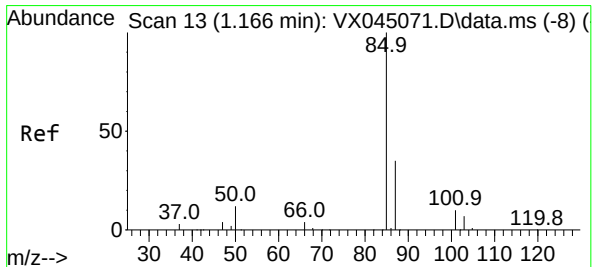
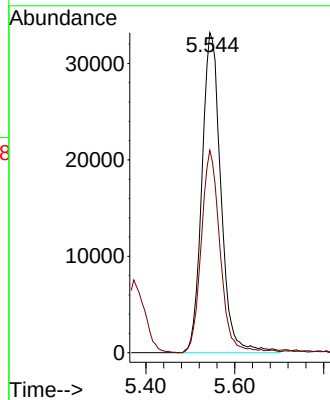
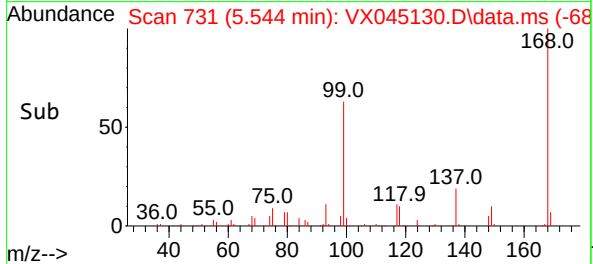
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01



Tgt Ion:168 Resp: 98769
Ion Ratio Lower Upper
168 100
99 63.2 48.2 72.4

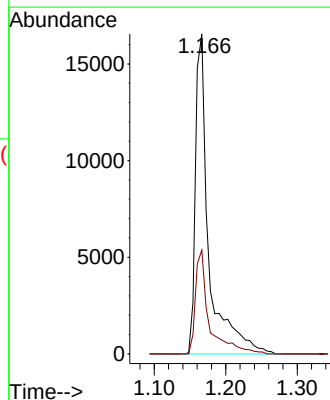
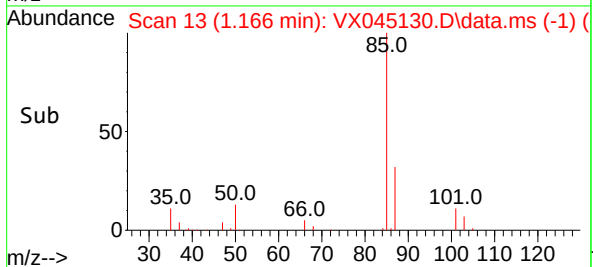
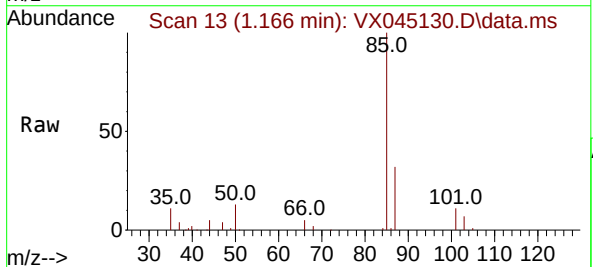
Manual Integrations
APPROVED

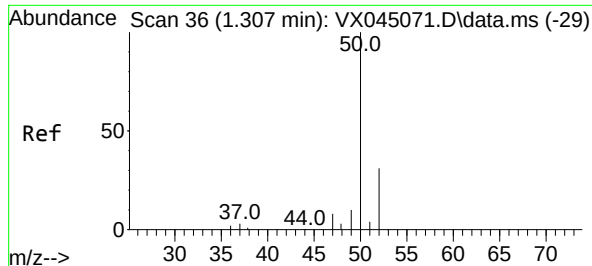
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#2
Dichlorodifluoromethane
Concen: 17.278 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 85 Resp: 21481
Ion Ratio Lower Upper
85 100
87 32.5 17.4 52.3





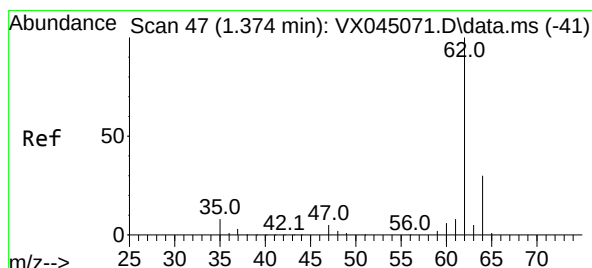
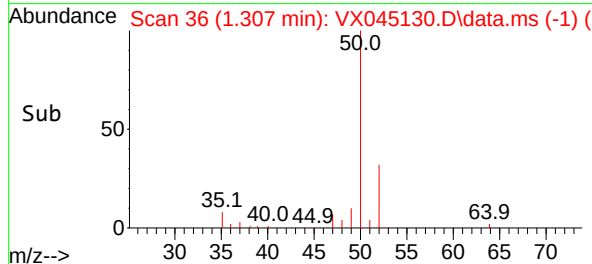
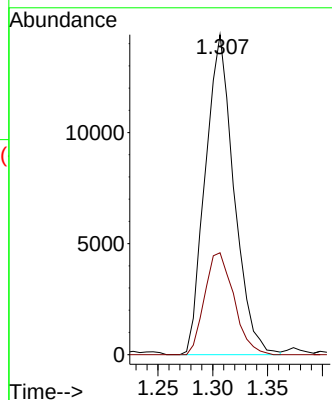
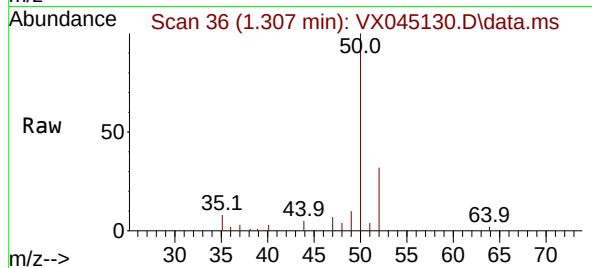
#3
Chloromethane
Concen: 17.236 ug/l
RT: 1.307 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Tgt Ion: 50 Resp: 26225
Ion Ratio Lower Upper
50 100
52 31.8 25.0 37.4

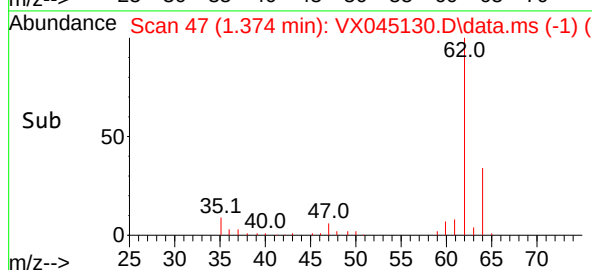
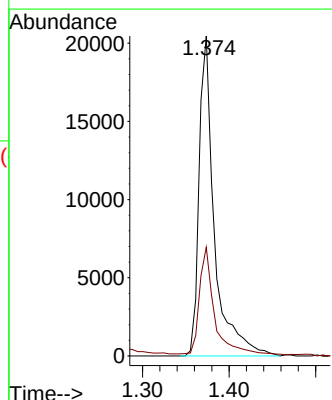
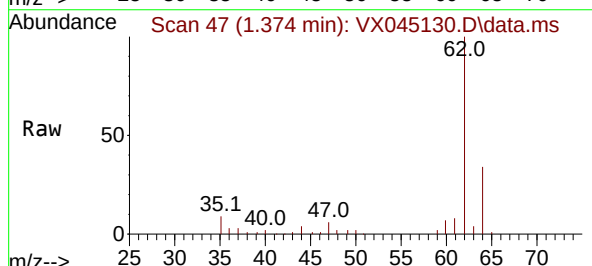
Manual Integrations
APPROVED

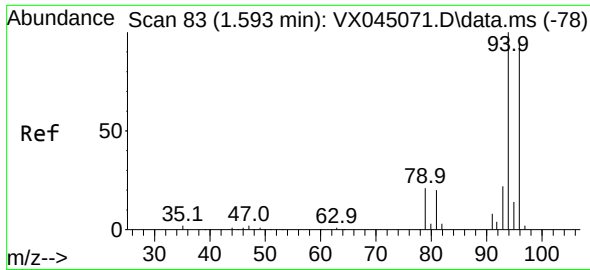
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#4
Vinyl Chloride
Concen: 16.631 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

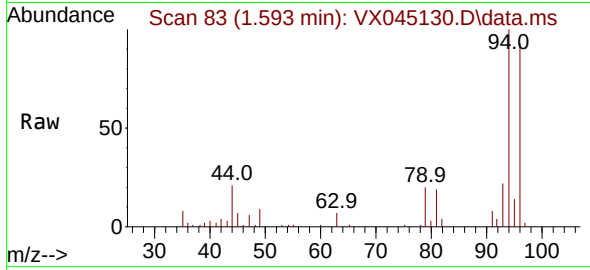
Tgt Ion: 62 Resp: 25102
Ion Ratio Lower Upper
62 100
64 33.5 24.3 36.5





#5
Bromomethane
Concen: 16.970 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

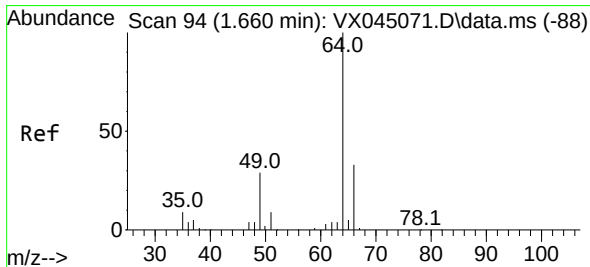
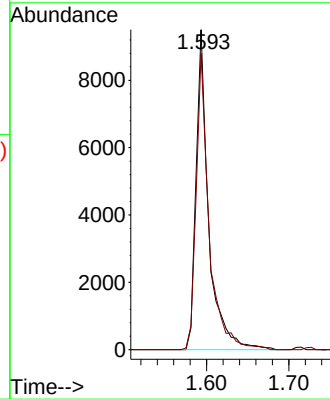
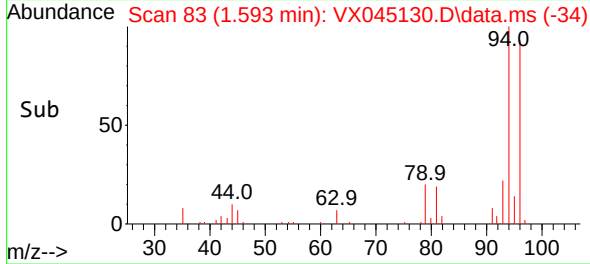
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01



Tgt Ion: 94 Resp: 10069
Ion Ratio Lower Upper
94 100
96 92.6 75.0 112.4

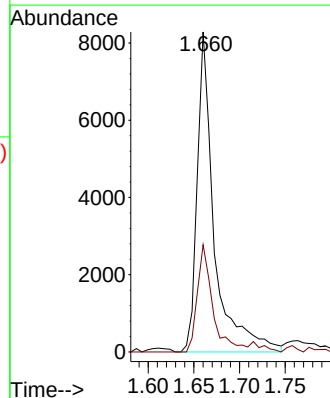
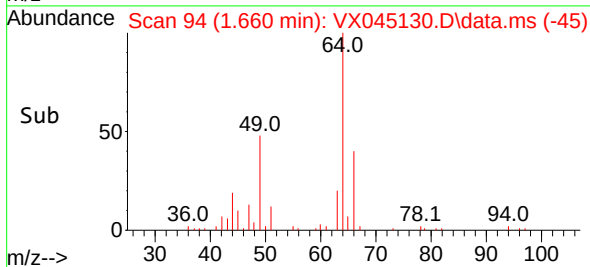
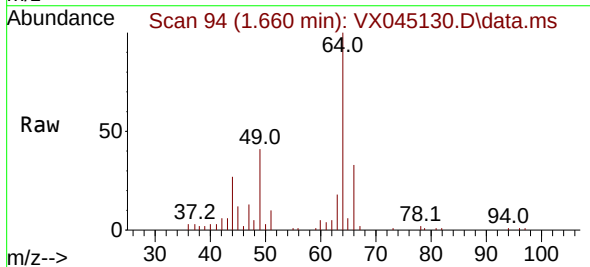
Manual Integrations
APPROVED

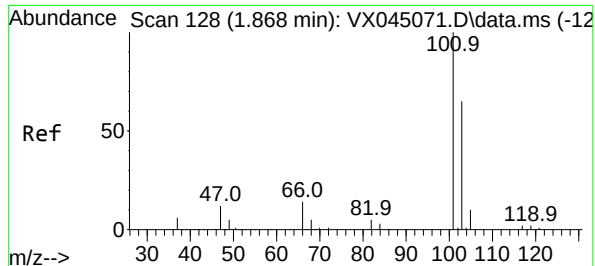
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#6
Chloroethane
Concen: 15.496 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

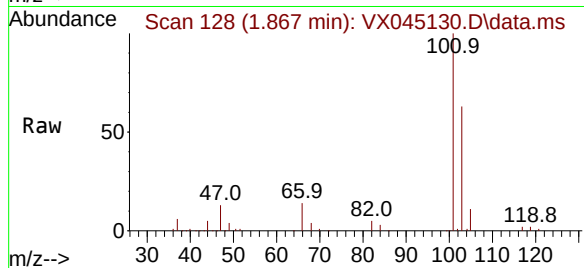
Tgt Ion: 64 Resp: 10788
Ion Ratio Lower Upper
64 100
66 33.5 26.7 40.1





#7
Trichlorofluoromethane
Concen: 18.079 ug/l
RT: 1.867 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

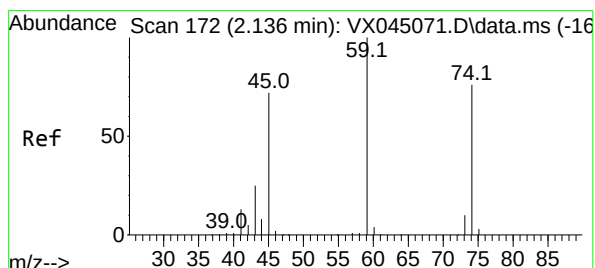
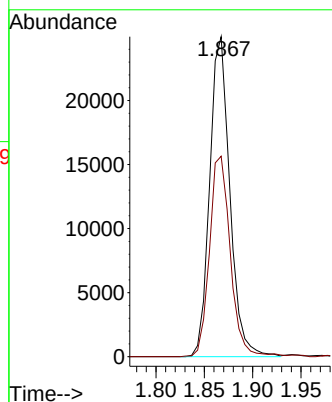
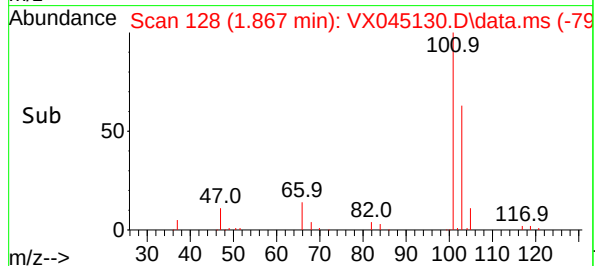
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01



Tgt Ion:101 Resp: 36124
Ion Ratio Lower Upper
101 100
103 62.7 52.1 78.1

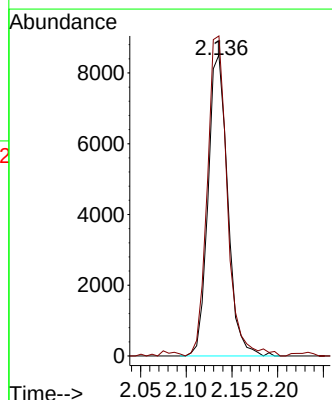
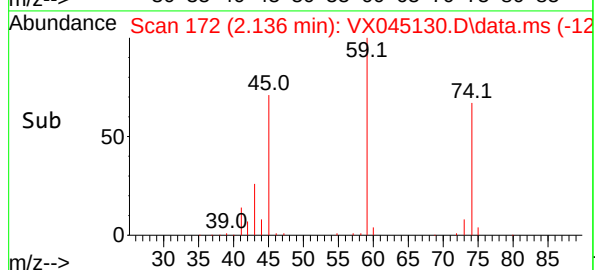
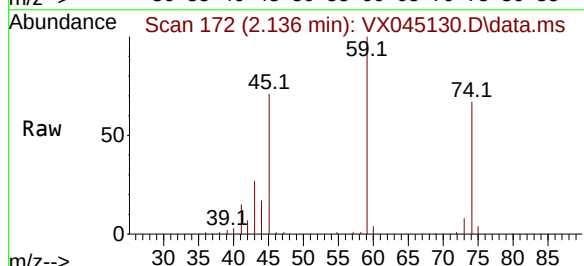
Manual Integrations
APPROVED

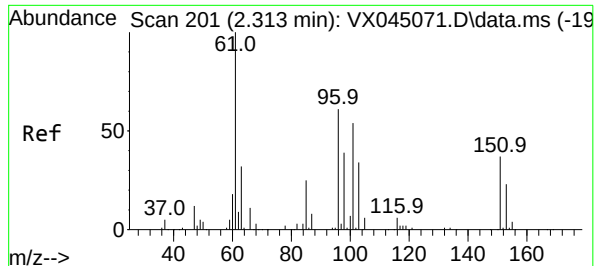
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#8
Diethyl Ether
Concen: 16.235 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 74 Resp: 12688
Ion Ratio Lower Upper
74 100
45 108.3 51.5 154.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.058 ug/l

RT: 2.312 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBS01

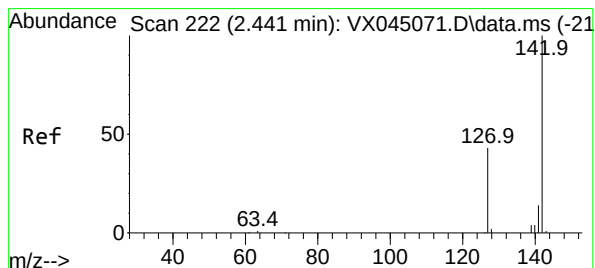
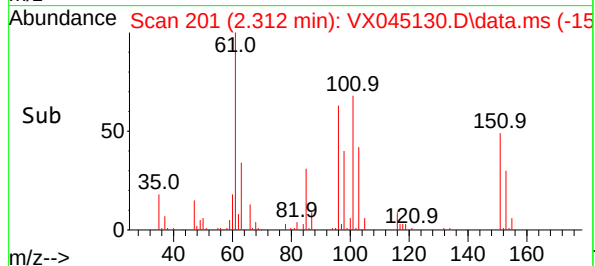
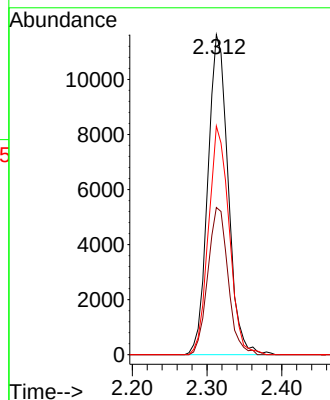
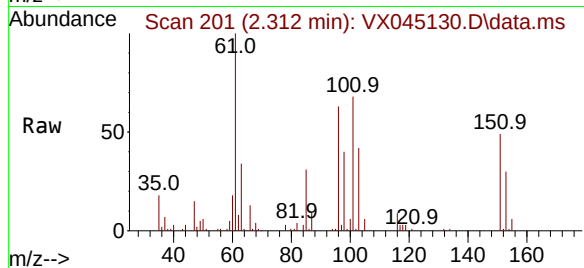
Tgt Ion:	101	Resp:	2187
Ion	Ratio	Lower	Upper
101	100		
85	46.0	36.2	54.4
151	72.6	56.4	84.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#10

Methyl Iodide

Concen: 17.462 ug/l

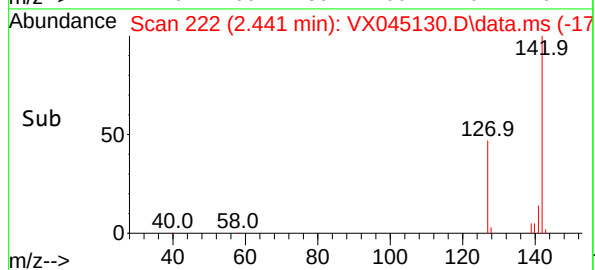
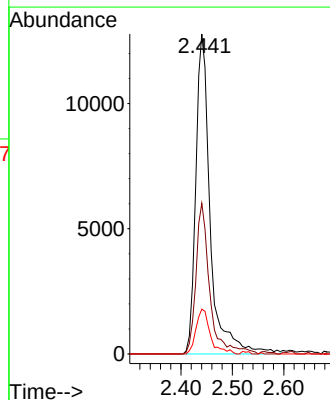
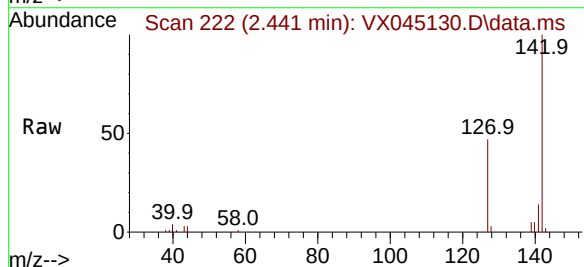
RT: 2.441 min Scan# 222

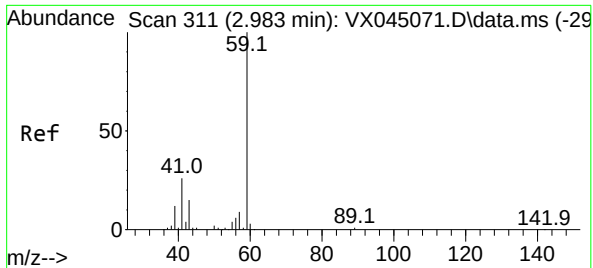
Delta R.T. -0.000 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

Tgt Ion:	142	Resp:	25051
Ion	Ratio	Lower	Upper
142	100		
127	44.8	35.4	53.2
141	13.8	11.6	17.4





#11

Tert butyl alcohol

Concen: 70.020 ug/l

RT: 2.995 min Scan# 311

Delta R.T. 0.012 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBS01

Tgt Ion: 59 Resp: 2083

Ion Ratio Lower Upper

59 100

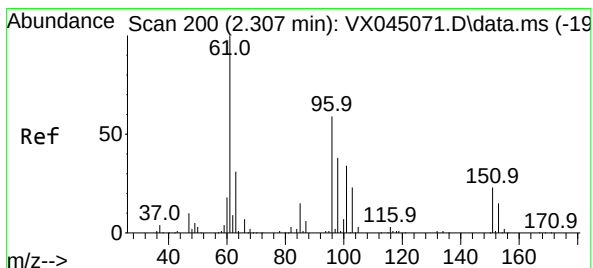
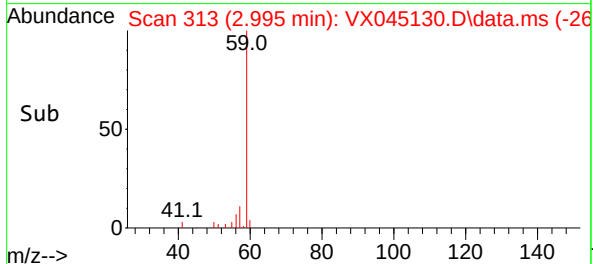
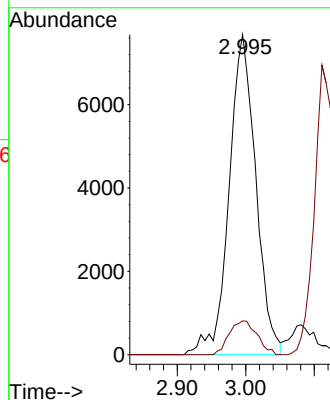
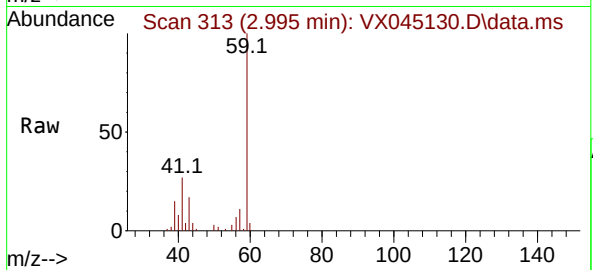
57 11.0 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#12

1,1-Dichloroethene

Concen: 17.549 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

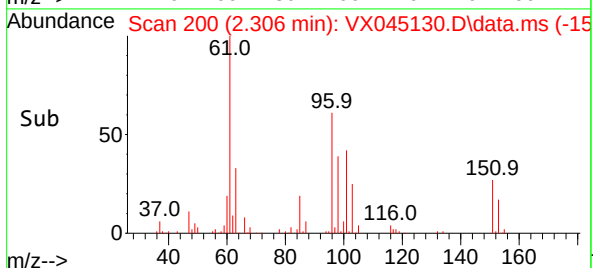
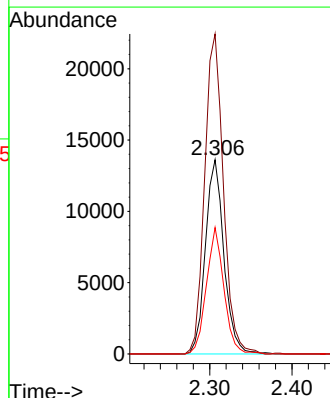
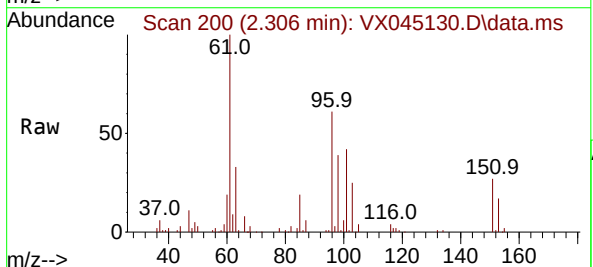
Tgt Ion: 96 Resp: 21299

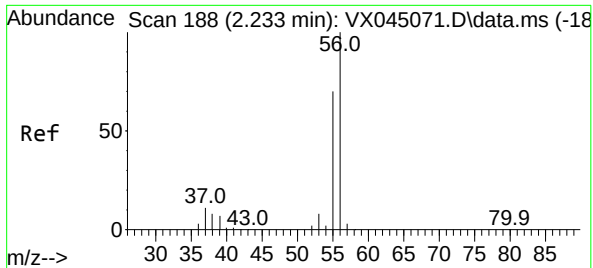
Ion Ratio Lower Upper

96 100

61 164.7 134.6 202.0

98 65.0 51.0 76.6





#13

Acrolein

Concen: 94.116 ug/l

RT: 2.239 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBS01

Tgt Ion: 56 Resp: 32370

Ion Ratio Lower Upper

56 100

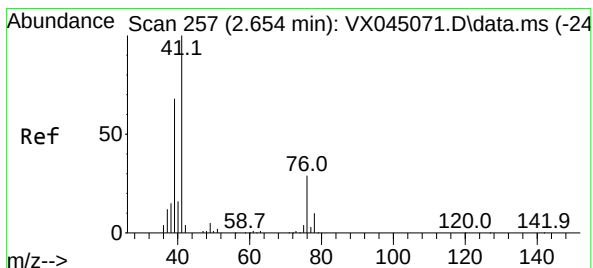
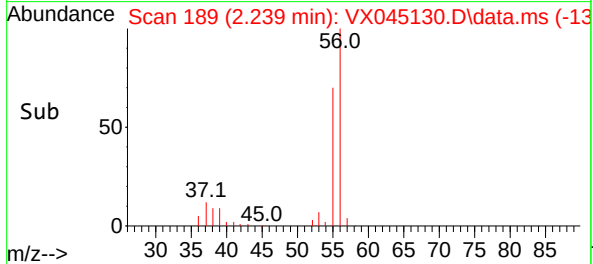
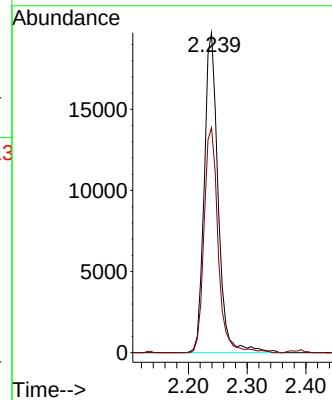
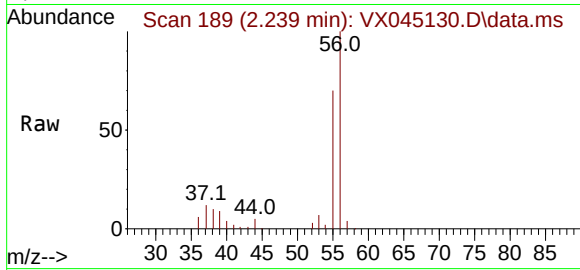
55 71.2 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#14

Allyl chloride

Concen: 17.812 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

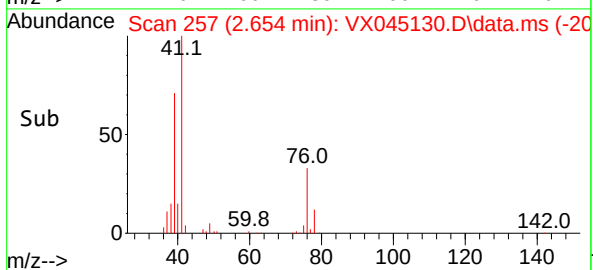
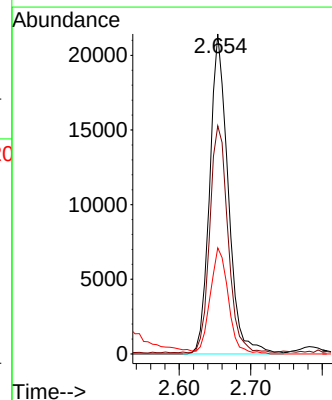
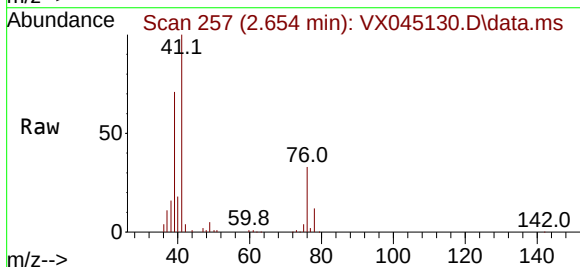
Tgt Ion: 41 Resp: 38481

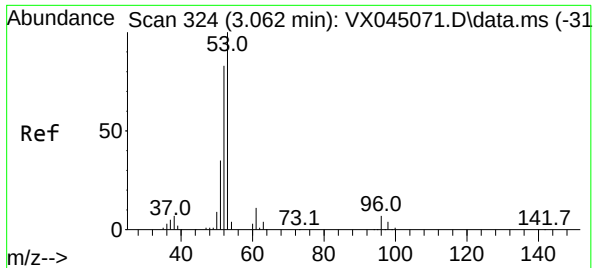
Ion Ratio Lower Upper

41 100

39 69.7 53.8 80.8

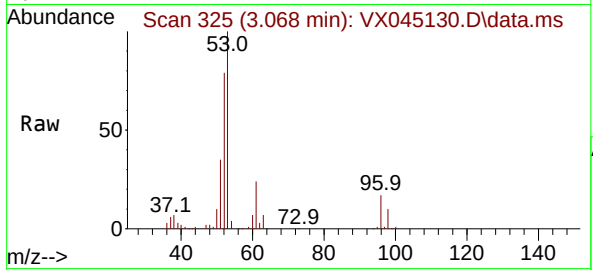
76 32.4 25.2 37.8





#15
Acrylonitrile
Concen: 87.734 ug/l
RT: 3.068 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

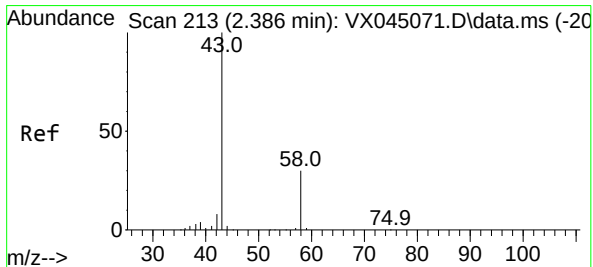
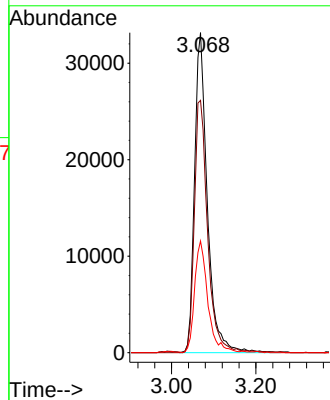
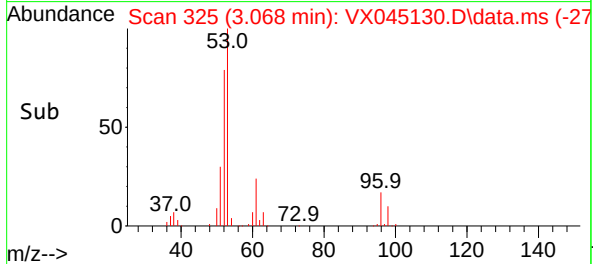
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01



Tgt Ion: 53 Resp: 6997
Ion Ratio Lower Upper
53 100
52 82.3 66.2 99.2
51 36.2 29.0 43.4

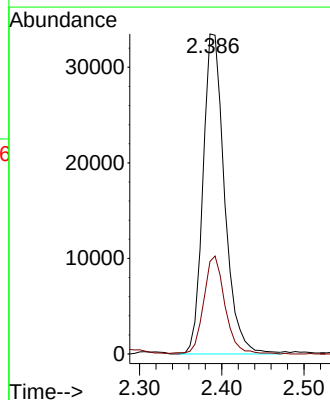
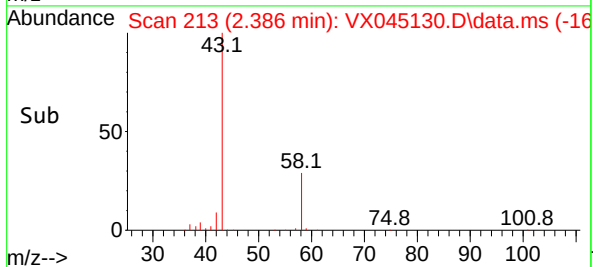
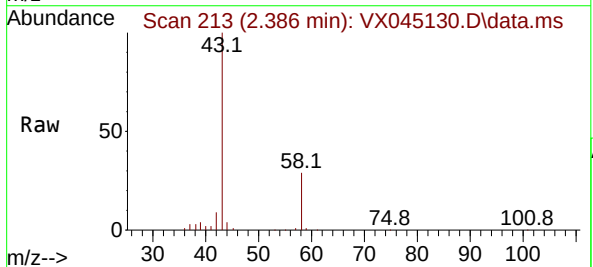
Manual Integrations
APPROVED

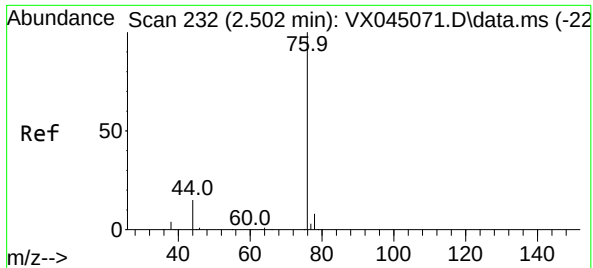
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#16
Acetone
Concen: 83.622 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 43 Resp: 60954
Ion Ratio Lower Upper
43 100
58 28.9 24.2 36.4





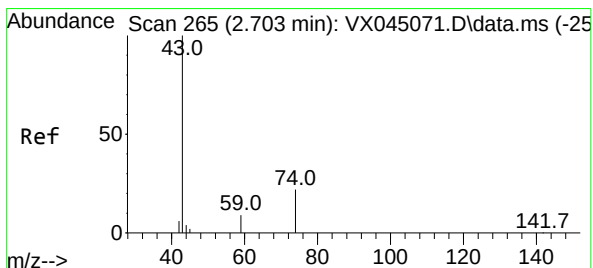
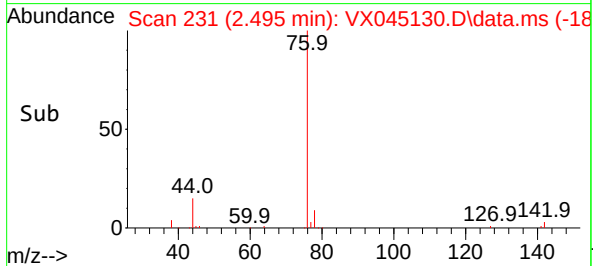
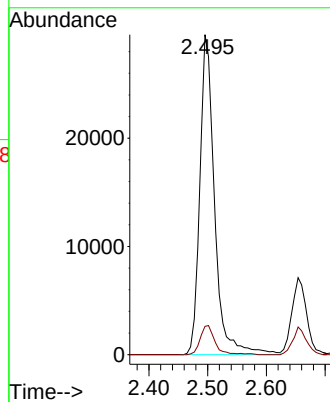
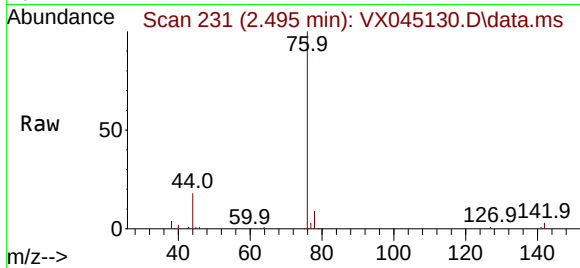
#17
Carbon Disulfide
Concen: 15.991 ug/l
RT: 2.495 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Tgt Ion: 76 Resp: 5169
Ion Ratio Lower Upper
76 100
78 8.9 6.6 9.8

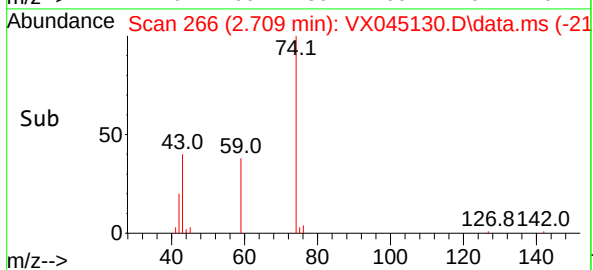
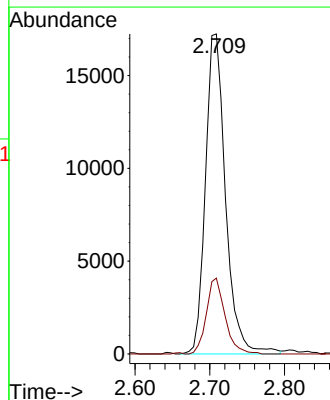
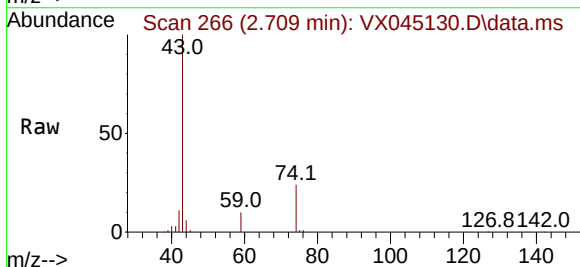
Manual Integrations
APPROVED

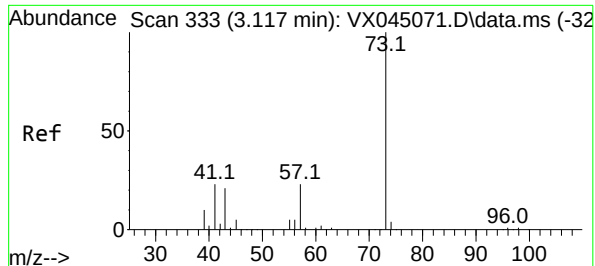
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#18
Methyl Acetate
Concen: 18.366 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 43 Resp: 32206
Ion Ratio Lower Upper
43 100
74 22.0 17.4 26.2





#19

Methyl tert-butyl Ether

Concen: 17.182 ug/l

RT: 3.117 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBS01

Tgt Ion: 73 Resp: 69964

Ion Ratio Lower Upper

73 100

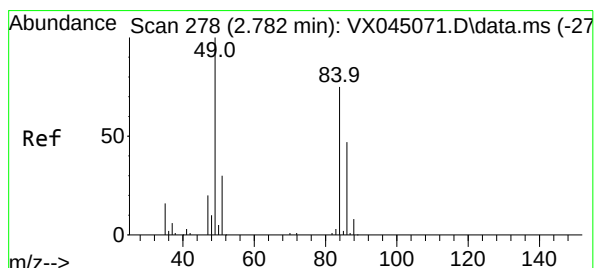
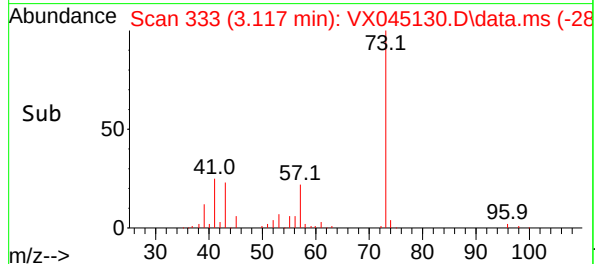
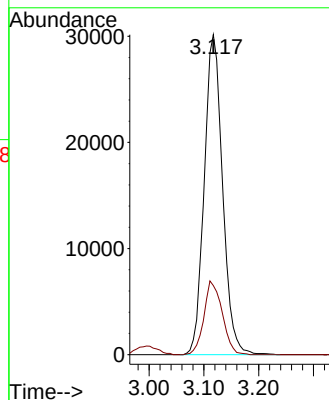
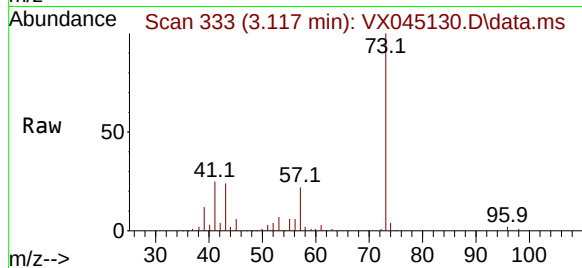
57 21.6 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#20

Methylene Chloride

Concen: 17.232 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

Tgt Ion: 84 Resp: 24882

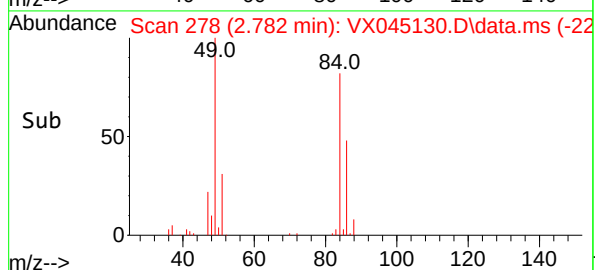
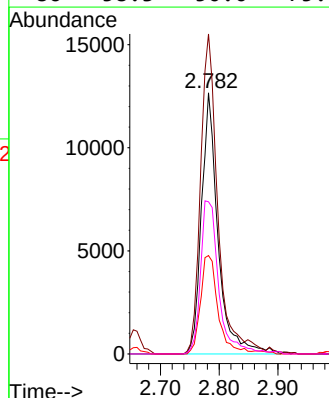
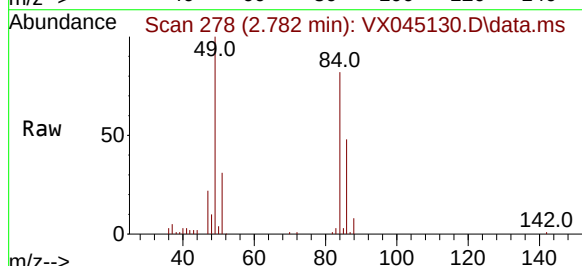
Ion Ratio Lower Upper

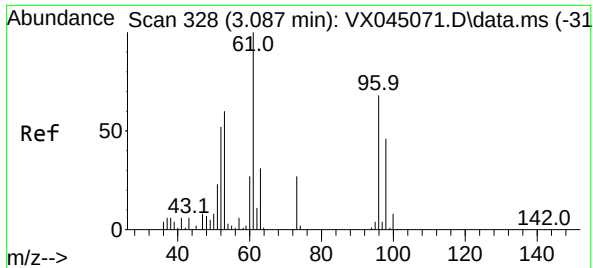
84 100

49 122.6 106.5 159.7

51 37.7 32.1 48.1

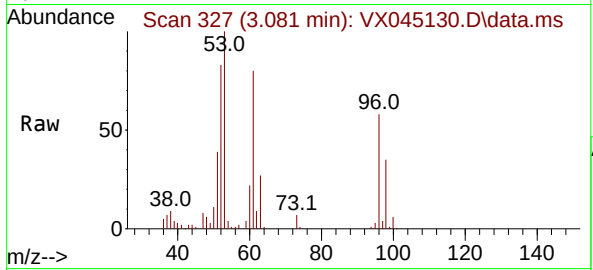
86 58.3 50.0 75.0





#21
trans-1,2-Dichloroethene
Concen: 18.158 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

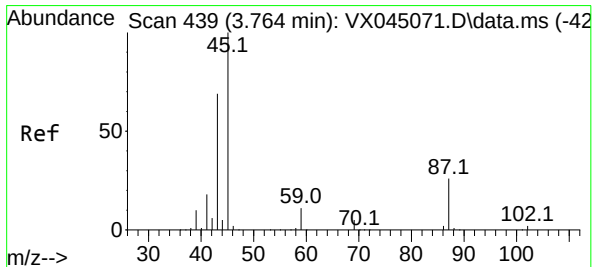
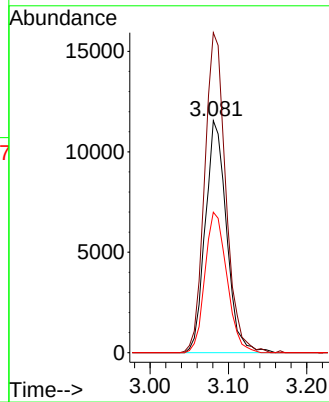
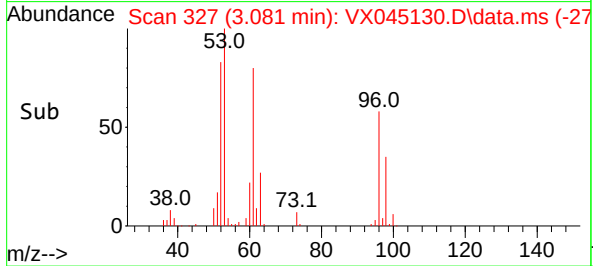
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01



Tgt Ion: 96 Resp: 21772
Ion Ratio Lower Upper
96 100
61 137.9 117.0 175.4
98 60.5 53.4 80.2

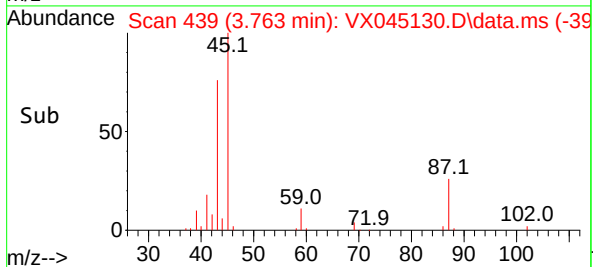
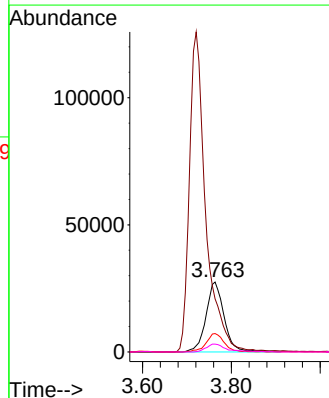
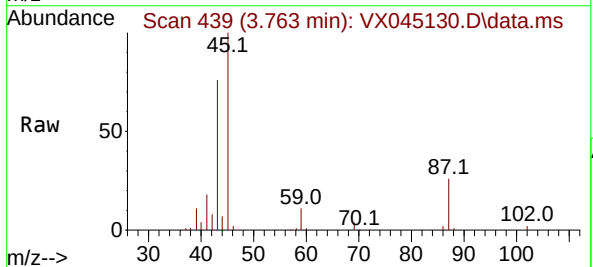
Manual Integrations
APPROVED

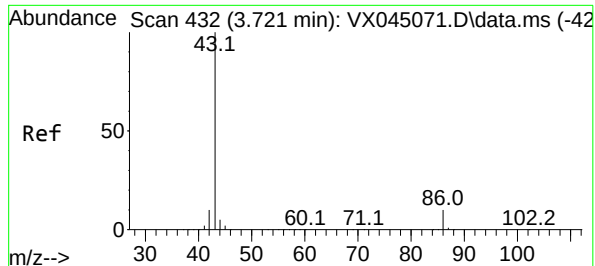
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#22
Diisopropyl ether
Concen: 17.799 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 45 Resp: 78201
Ion Ratio Lower Upper
45 100
43 74.5 54.9 82.3
87 26.3 21.0 31.4
59 11.2 8.7 13.1





#23

Vinyl Acetate

Concen: 87.770 ug/l

RT: 3.721 min Scan# 413

Delta R.T. -0.000 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBS01

Tgt Ion: 43 Resp: 32181

Ion Ratio Lower Upper

43 100

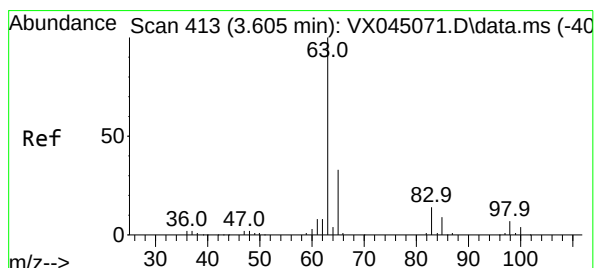
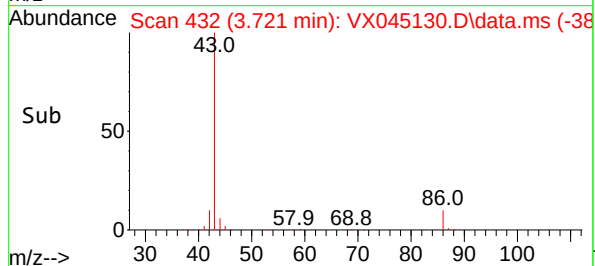
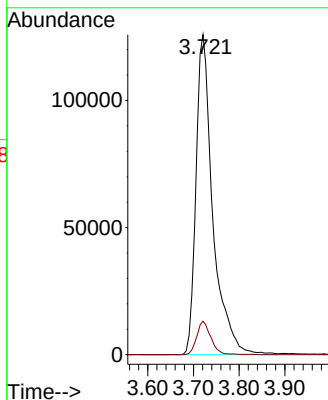
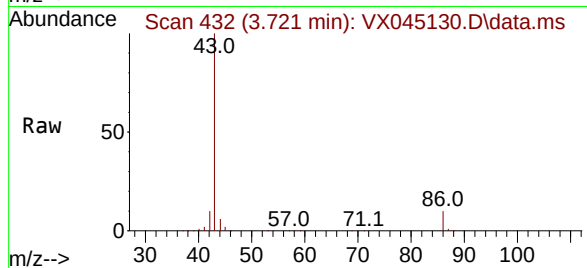
86 10.5 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#24

1,1-Dichloroethane

Concen: 17.547 ug/l

RT: 3.605 min Scan# 413

Delta R.T. -0.000 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

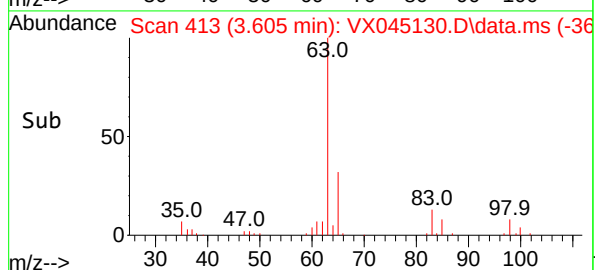
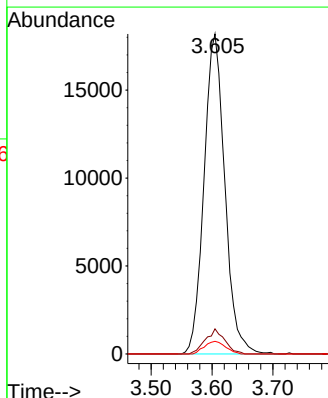
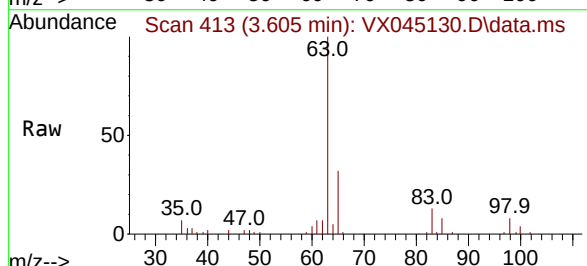
Tgt Ion: 63 Resp: 43208

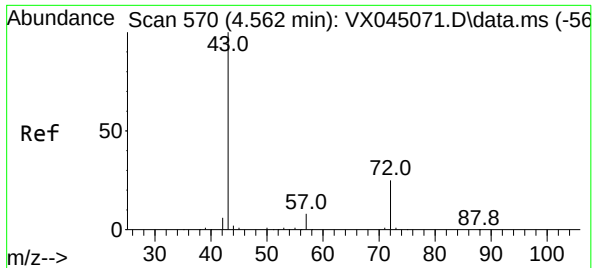
Ion Ratio Lower Upper

63 100

98 7.8 3.4 10.2

100 4.0 2.1 6.5





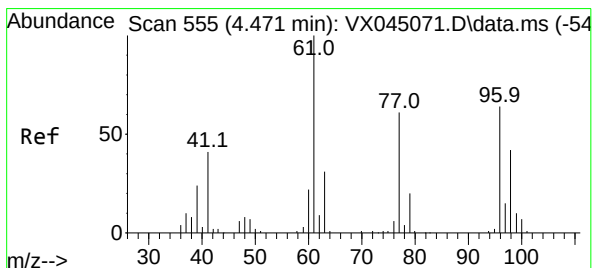
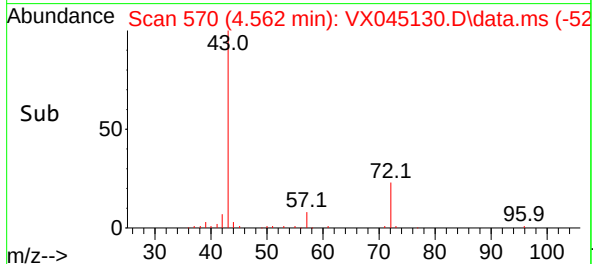
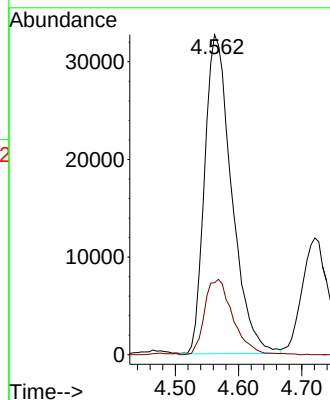
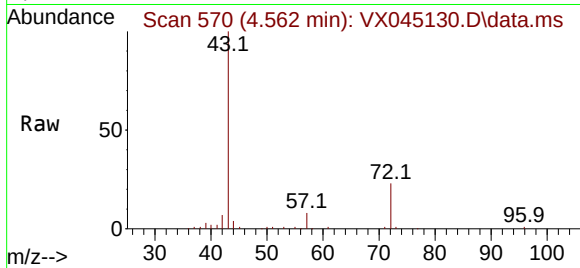
#25
2-Butanone
Concen: 88.416 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Tgt Ion: 43 Resp: 9701
Ion Ratio Lower Upper
43 100
72 22.6 20.0 30.0

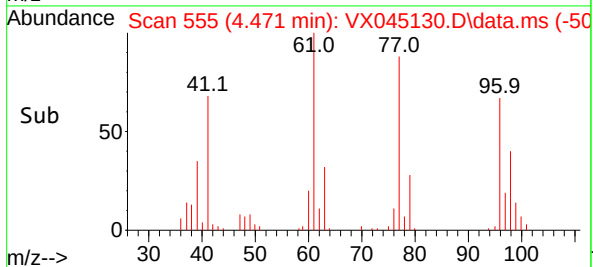
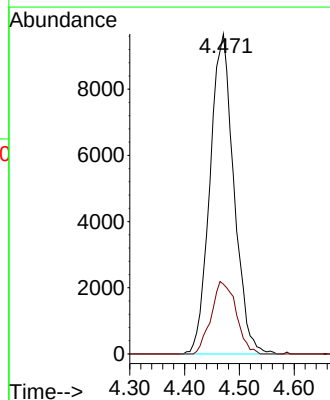
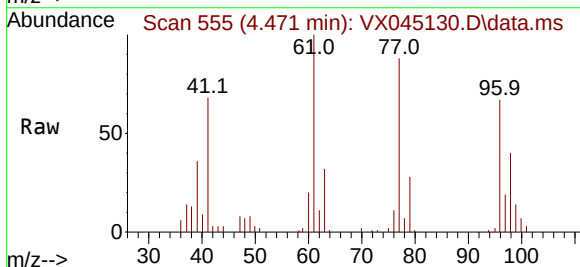
Manual Integrations
APPROVED

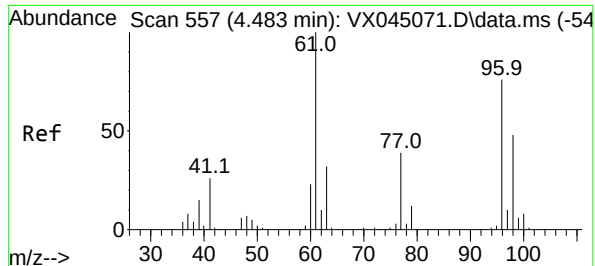
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#26
2,2-Dichloropropane
Concen: 25.352 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 77 Resp: 29281
Ion Ratio Lower Upper
77 100
97 23.6 12.4 37.0





#27

cis-1,2-Dichloroethene

Concen: 17.683 ug/l

RT: 4.489 min Scan# 557

Delta R.T. 0.006 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBS01

Tgt Ion: 96 Resp: 2617

Ion Ratio Lower Upper

96 100

61 147.5 0.0 283.2

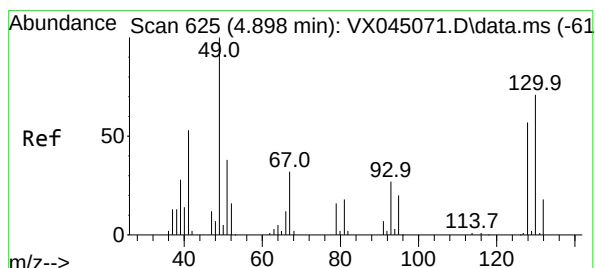
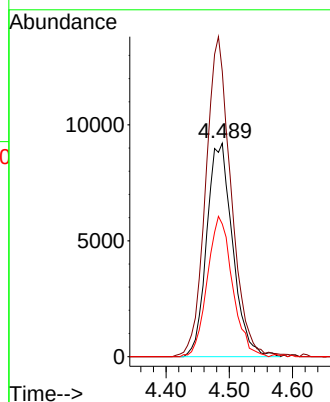
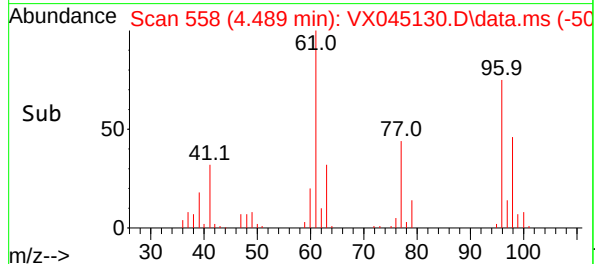
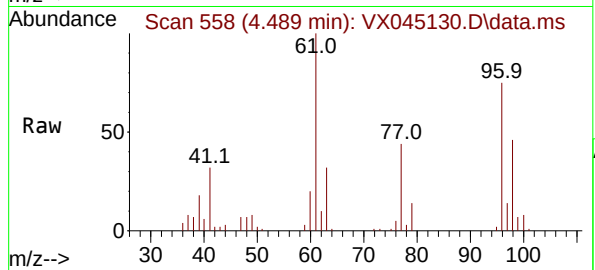
98 63.8 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#28

Bromochloromethane

Concen: 21.131 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.006 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

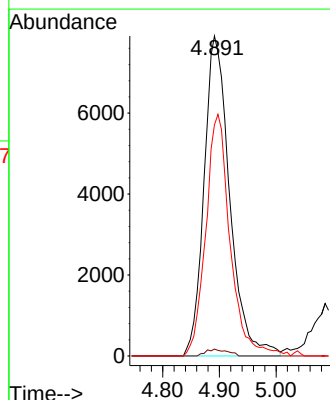
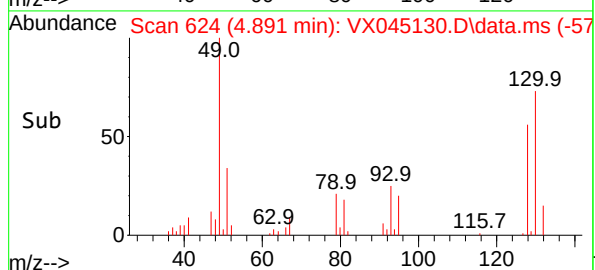
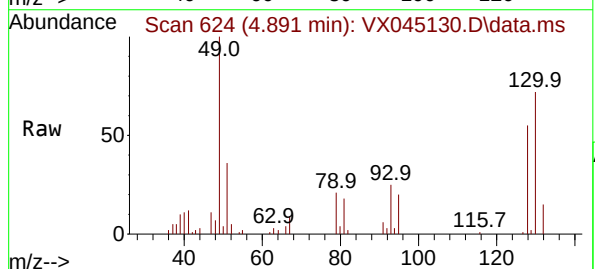
Tgt Ion: 49 Resp: 24801

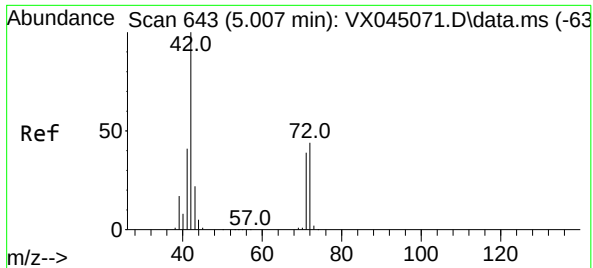
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.4

130 71.6 56.1 84.1





#29

Tetrahydrofuran

Concen: 86.717 ug/l

RT: 5.007 min Scan# 643

Delta R.T. -0.000 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBS01

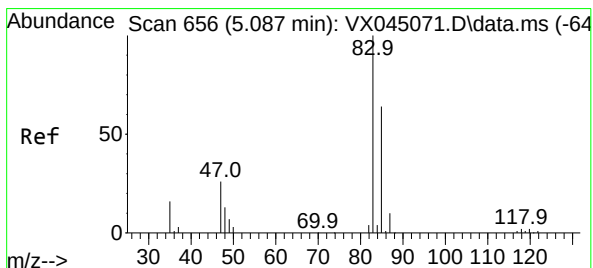
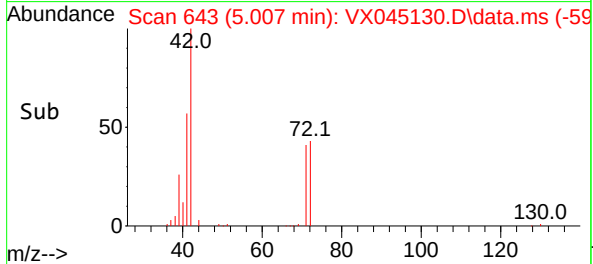
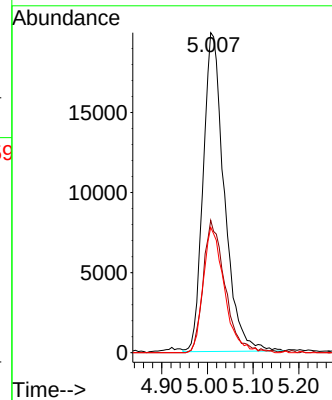
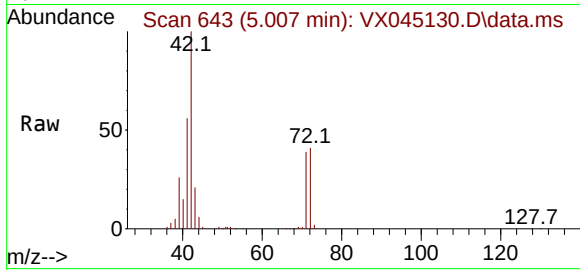
Tgt Ion:	42	Resp:	63890
Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.1	51.1
71	39.5	31.4	47.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#30

Chloroform

Concen: 17.587 ug/l

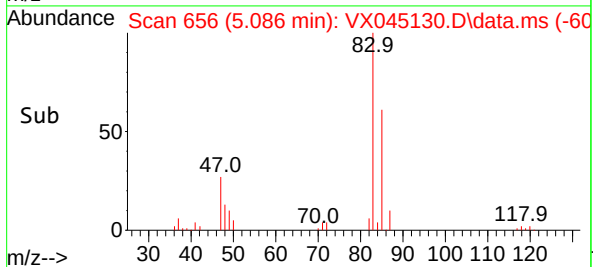
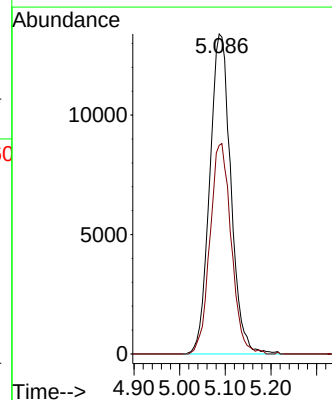
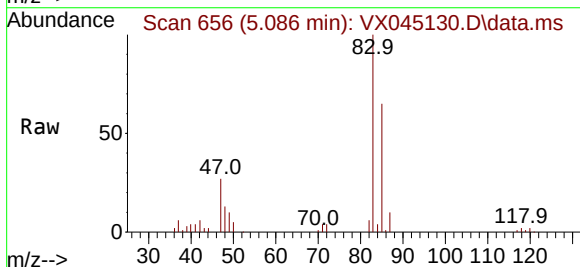
RT: 5.086 min Scan# 656

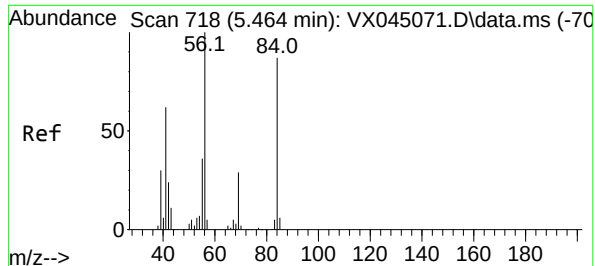
Delta R.T. -0.000 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

Tgt Ion:	83	Resp:	43030
Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.4	77.2





#31

Cyclohexane

Concen: 18.481 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.006 min

Lab File: VX045130.D

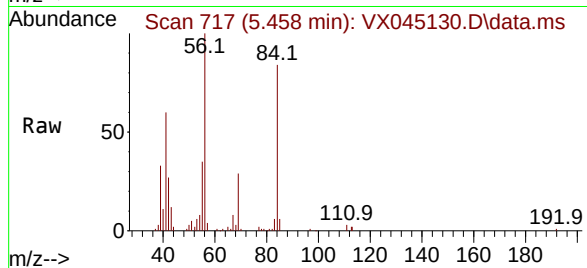
Acq: 05 Mar 2025 10:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBS01



Tgt Ion: 56 Resp: 3950

Ion Ratio Lower Upper

56 100

69 28.9 23.4 35.2

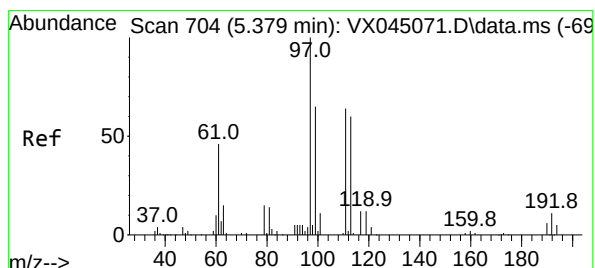
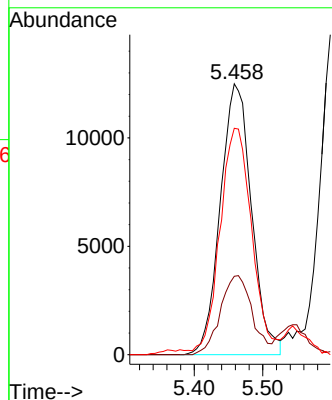
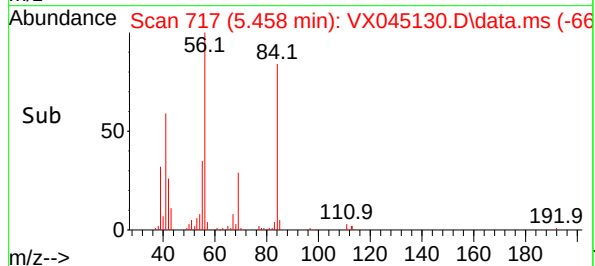
84 81.7 69.4 104.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#32

1,1,1-Trichloroethane

Concen: 17.819 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.006 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

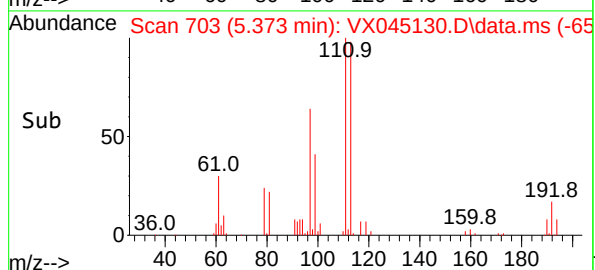
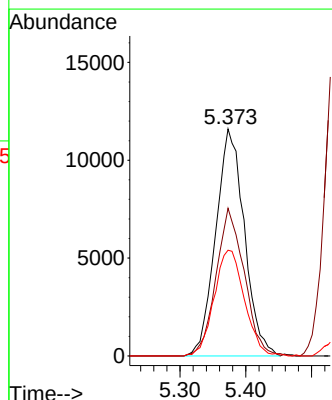
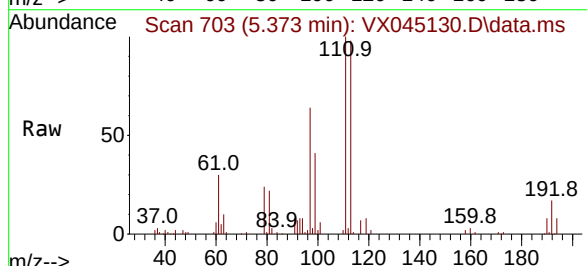
Tgt Ion: 97 Resp: 35212

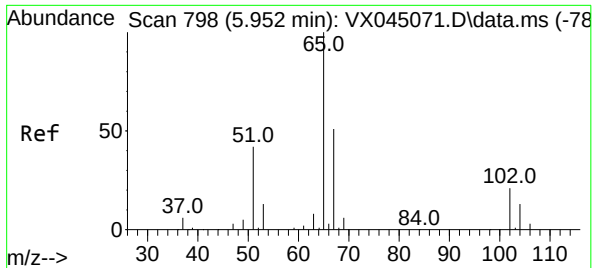
Ion Ratio Lower Upper

97 100

99 63.8 51.6 77.4

61 49.2 38.4 57.6





#33

1,2-Dichloroethane-d4

Concen: 48.361 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBS01

Tgt Ion: 65 Resp: 75979

Ion Ratio Lower Upper

65 100

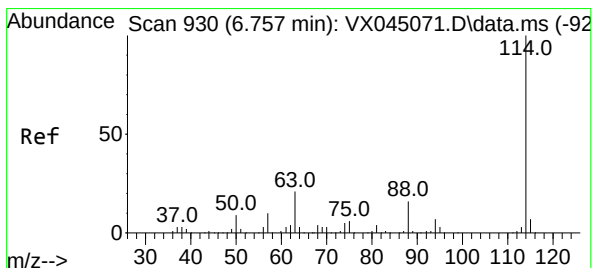
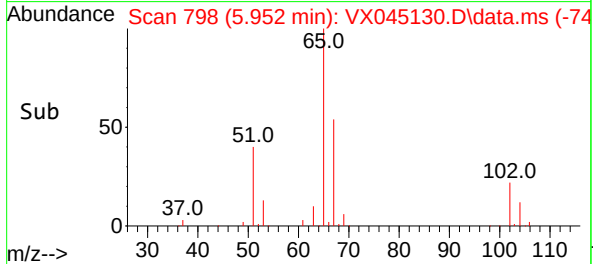
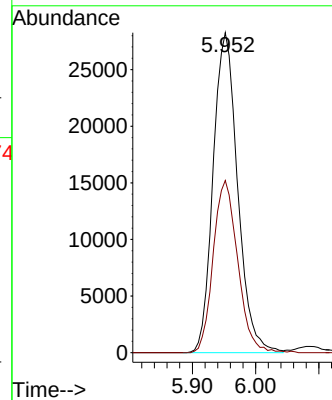
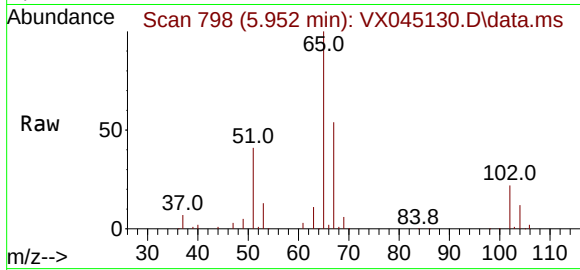
67 53.8 0.0 106.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

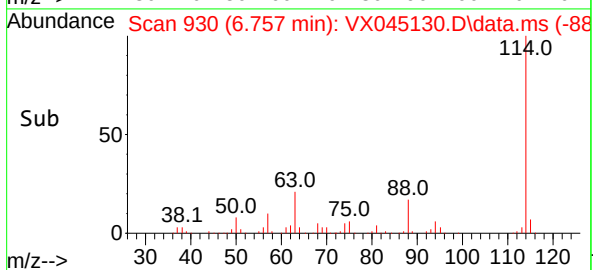
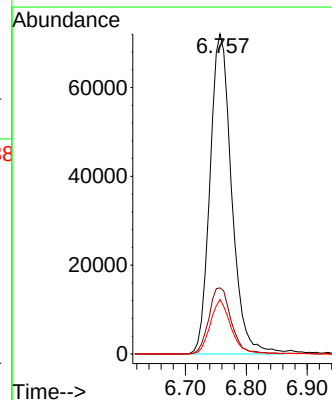
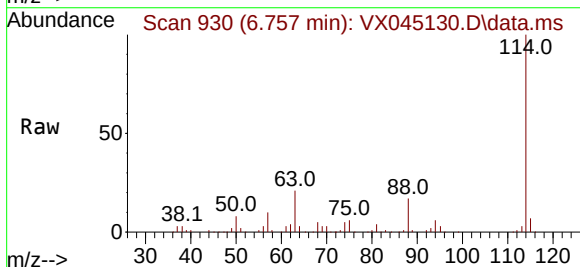
Tgt Ion:114 Resp: 177910

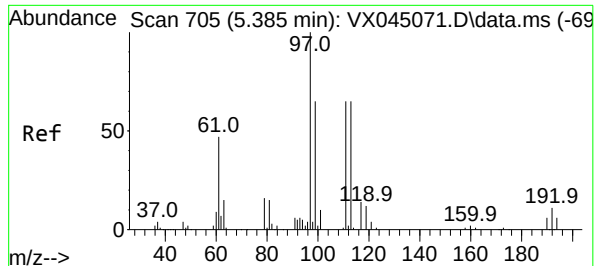
Ion Ratio Lower Upper

114 100

63 20.7 0.0 41.8

88 17.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.339 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX045130.D

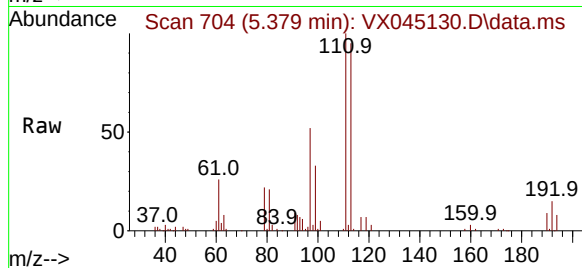
Acq: 05 Mar 2025 10:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBS01



Tgt Ion:113 Resp: 58690

Ion Ratio Lower Upper

113 100

111 103.1 81.8 122.6

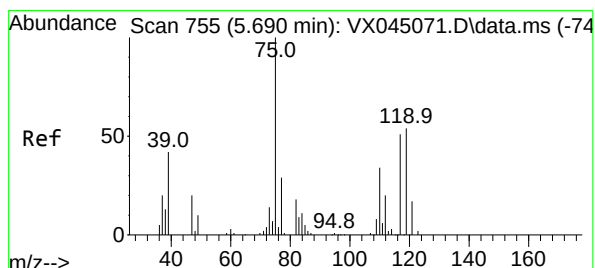
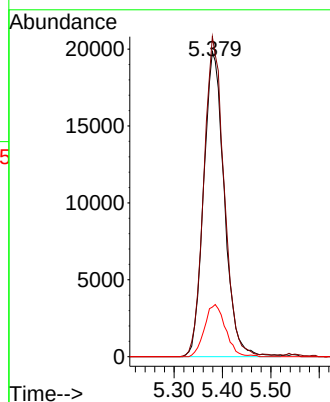
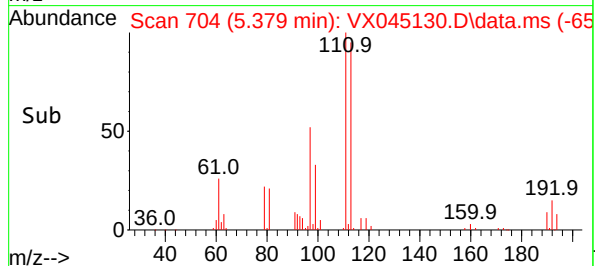
192 17.3 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#36

1,1-Dichloropropene

Concen: 17.531 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

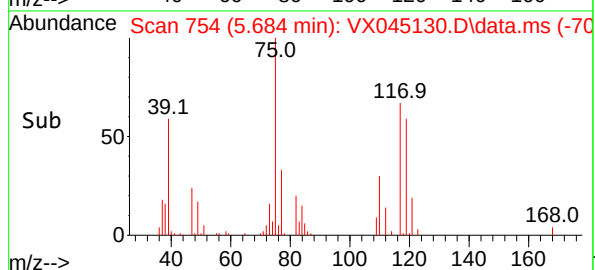
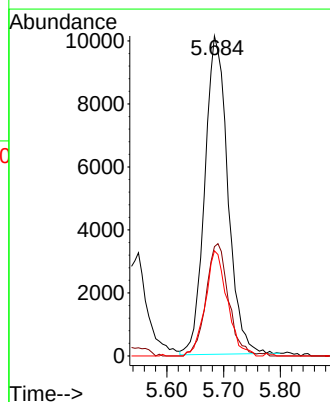
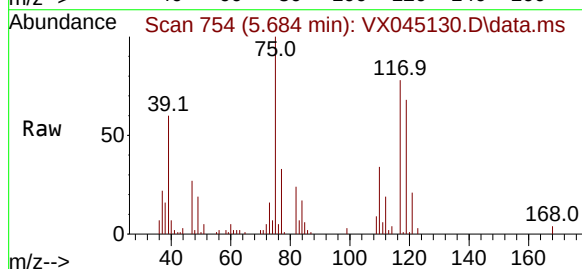
Tgt Ion: 75 Resp: 28601

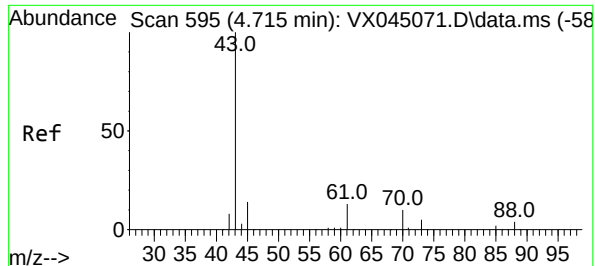
Ion Ratio Lower Upper

75 100

110 34.7 16.9 50.6

77 31.4 24.5 36.7





#37

Ethyl Acetate

Concen: 16.958 ug/l

RT: 4.721 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

Instrument :

MSVOA_X

ClientSampleId :

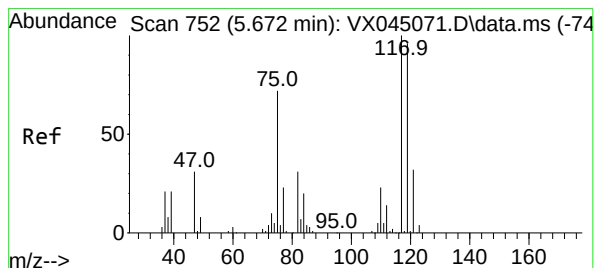
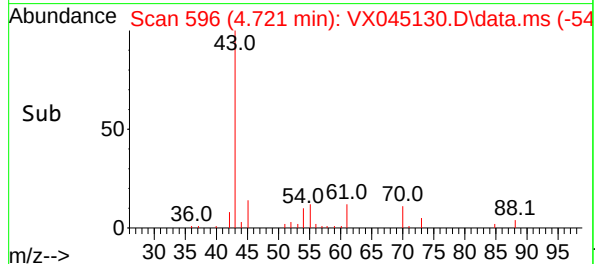
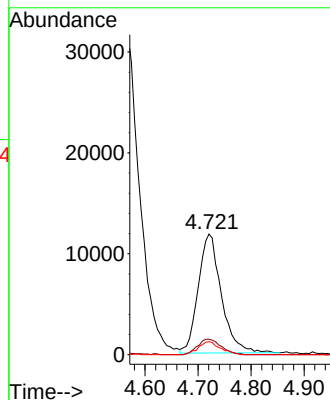
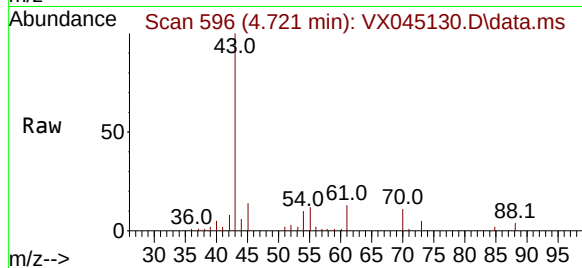
VX0305WBS01

Tgt Ion:	43	Resp:	3565
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.8	16.2
70	10.3	7.7	11.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#38

Carbon Tetrachloride

Concen: 18.005 ug/l

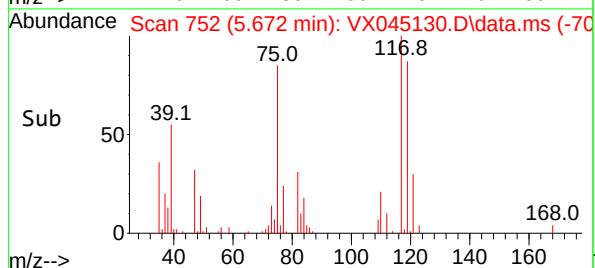
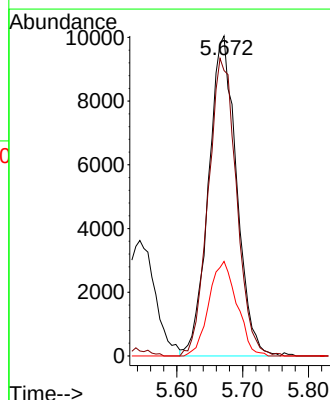
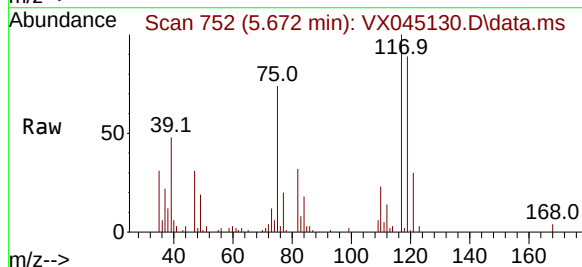
RT: 5.672 min Scan# 752

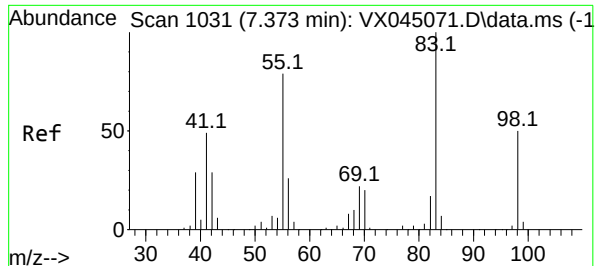
Delta R.T. -0.000 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

Tgt Ion:	117	Resp:	29823
Ion	Ratio	Lower	Upper
117	100		
119	89.2	76.7	115.1
121	29.6	25.5	38.3





#39

Methylcyclohexane

Concen: 19.091 ug/l

RT: 7.379 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBS01

Tgt Ion: 83 Resp: 3732

Ion Ratio Lower Upper

83 100

55 78.0 63.0 94.4

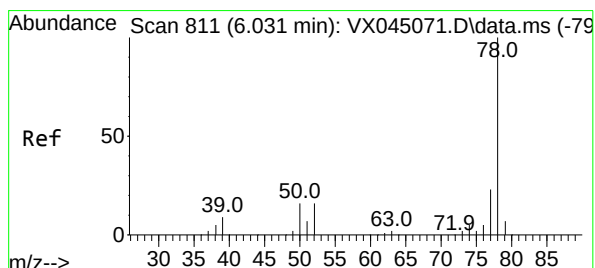
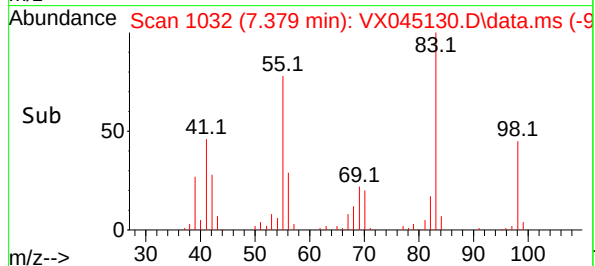
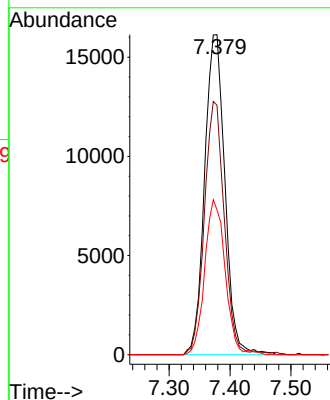
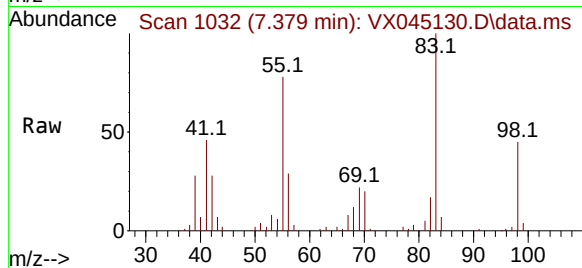
98 45.3 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#40

Benzene

Concen: 18.186 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX045130.D

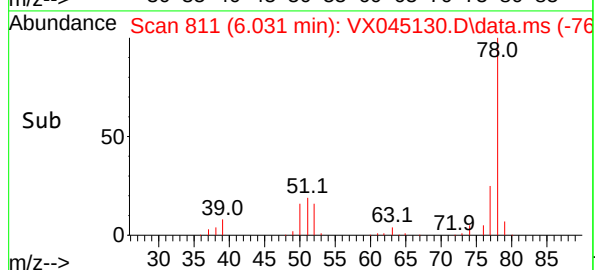
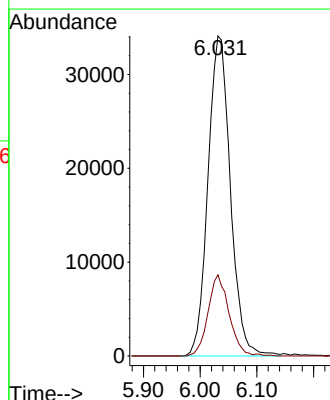
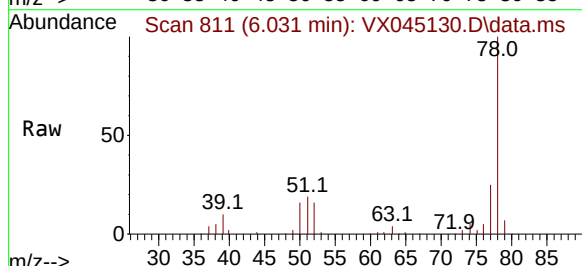
Acq: 05 Mar 2025 10:26

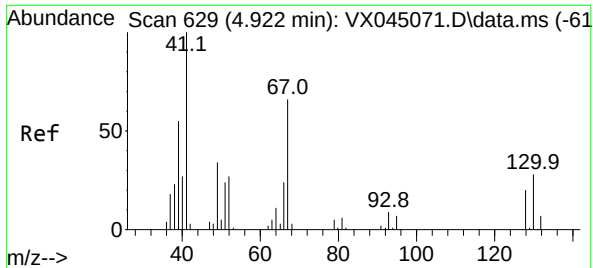
Tgt Ion: 78 Resp: 93693

Ion Ratio Lower Upper

78 100

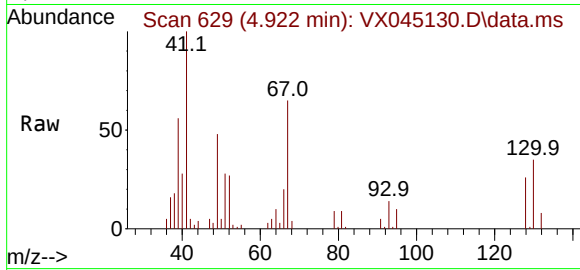
77 25.4 18.8 28.2





#41
Methacrylonitrile
Concen: 17.492 ug/l
RT: 4.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

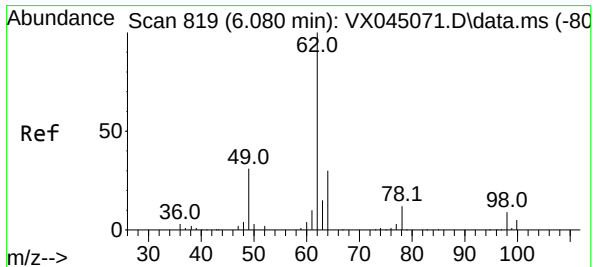
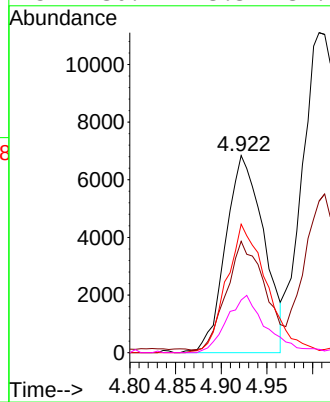
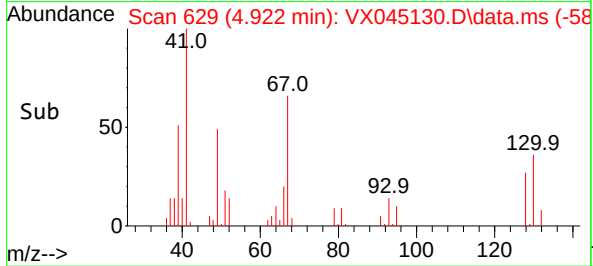
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01



Tgt Ion: 41 Resp: 19884
Ion Ratio Lower Upper
41 100
39 55.5 44.6 67.0
67 68.8 53.9 80.9
52 30.2 23.3 34.9

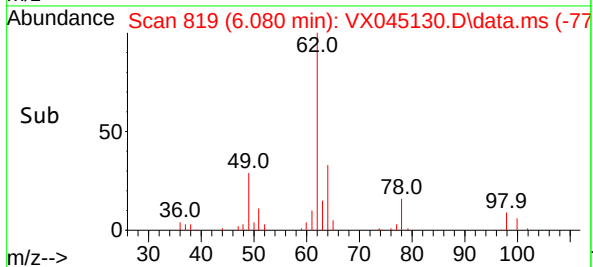
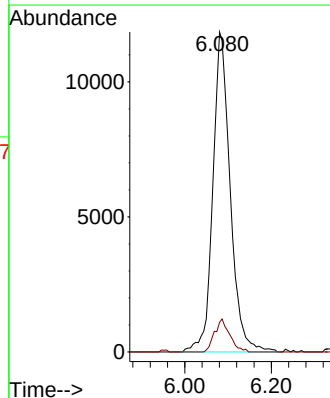
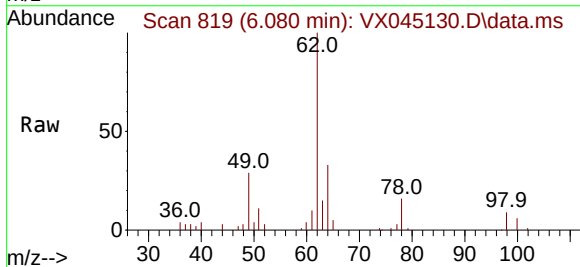
Manual Integrations
APPROVED

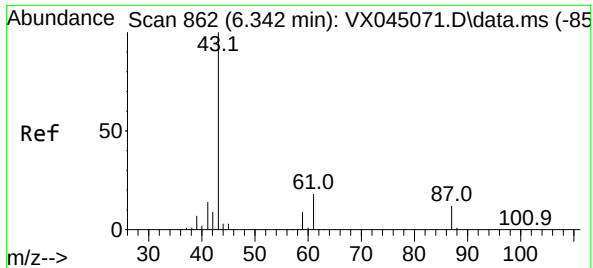
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#42
1,2-Dichloroethane
Concen: 17.806 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 62 Resp: 33034
Ion Ratio Lower Upper
62 100
98 9.0 0.0 18.2





#43

Isopropyl Acetate

Concen: 17.291 ug/l

RT: 6.342 min Scan# 862

Delta R.T. -0.000 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBS01

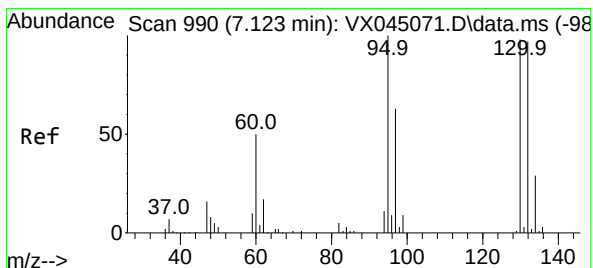
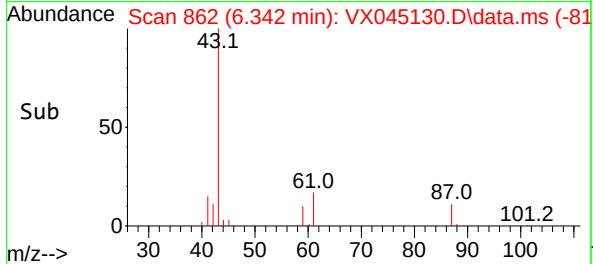
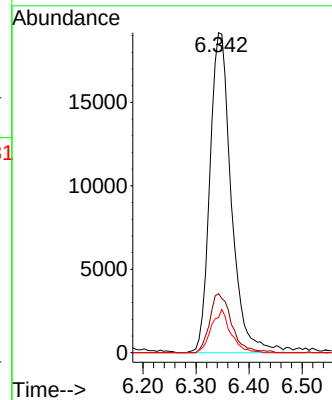
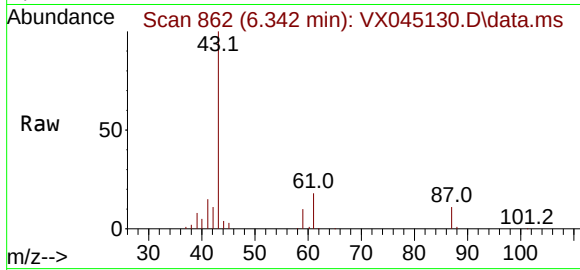
Tgt Ion: 43	Resp: 5375
Ion Ratio	Lower Upper
43	100
61	18.9 14.9 22.3
87	12.1 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#44

Trichloroethene

Concen: 17.548 ug/l

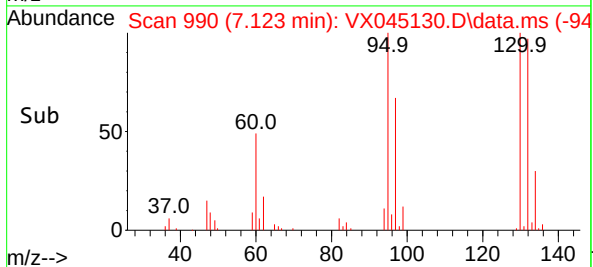
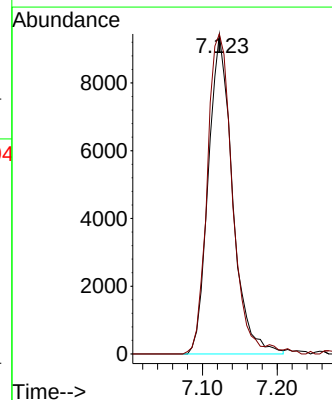
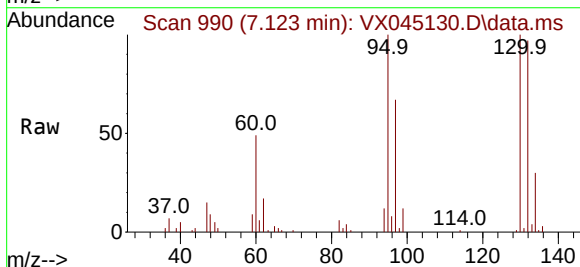
RT: 7.123 min Scan# 990

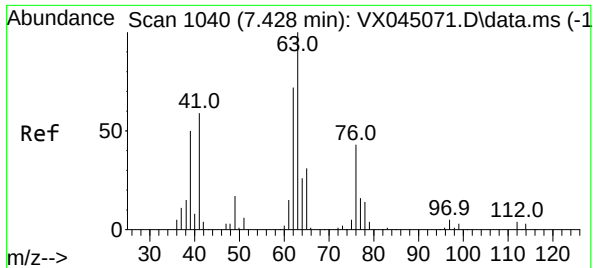
Delta R.T. -0.000 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

Tgt Ion:130	Resp: 21228
Ion Ratio	Lower Upper
130	100
95	100.1 0.0 205.0





#45

1,2-Dichloropropane

Concen: 17.537 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBS01

Tgt Ion: 63 Resp: 23229

Ion Ratio Lower Upper

63 100

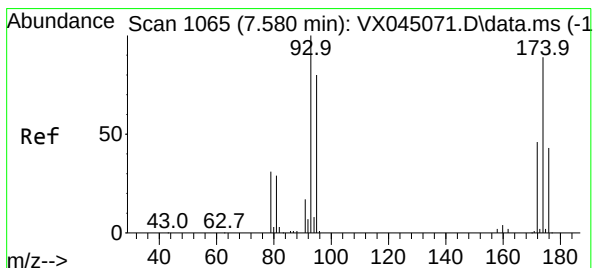
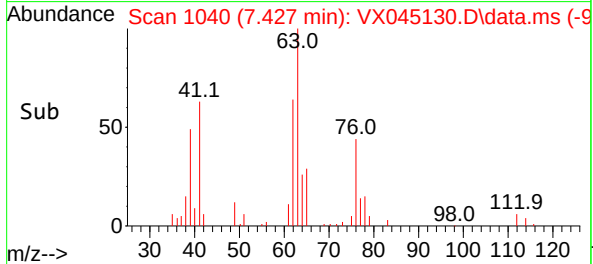
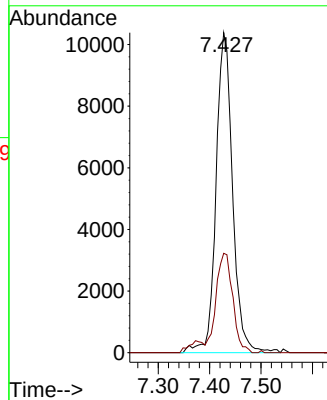
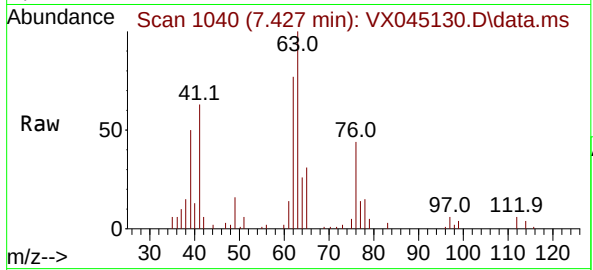
65 31.0 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#46

Dibromomethane

Concen: 17.976 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

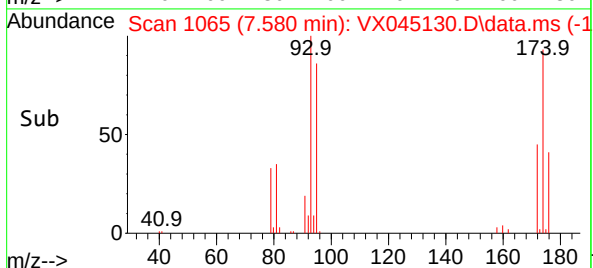
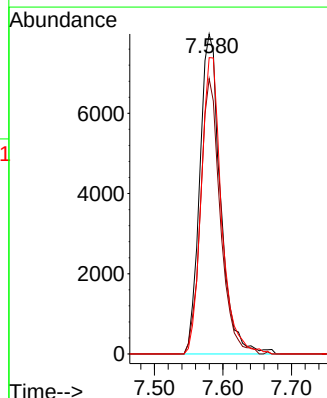
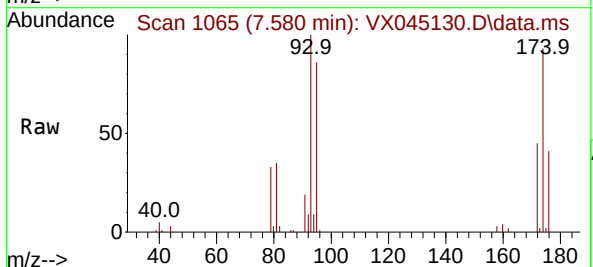
Tgt Ion: 93 Resp: 16830

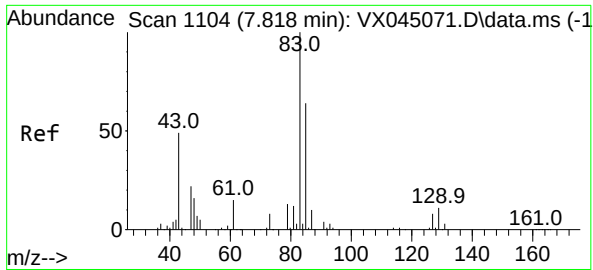
Ion Ratio Lower Upper

93 100

95 81.9 65.8 98.8

174 90.5 72.2 108.2





#47

Bromodichloromethane

Concen: 17.834 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBS01

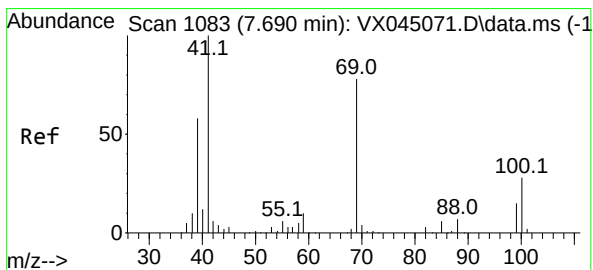
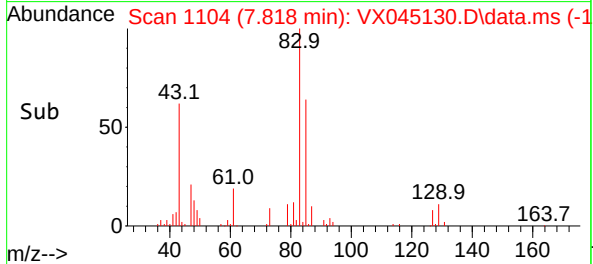
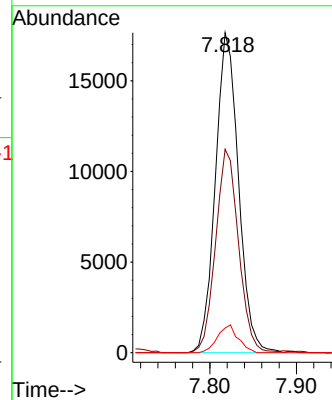
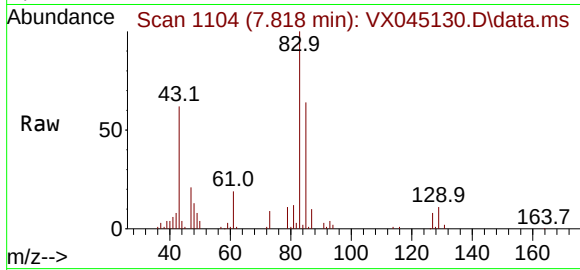
Tgt Ion:	83	Resp:	3275
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.1	76.7
127	7.7	6.4	9.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#48

Methyl methacrylate

Concen: 17.316 ug/l

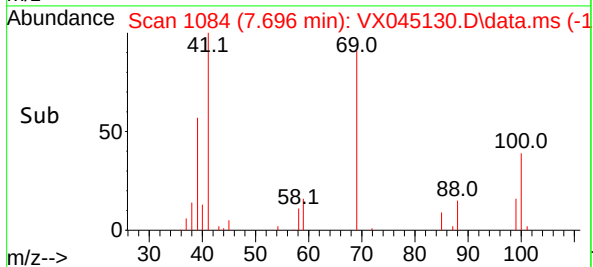
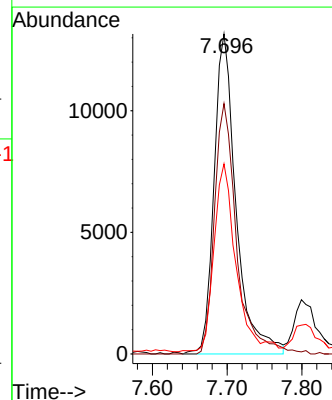
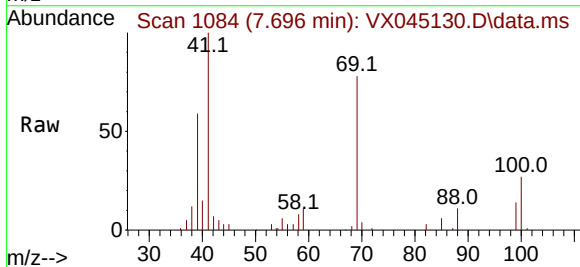
RT: 7.696 min Scan# 1084

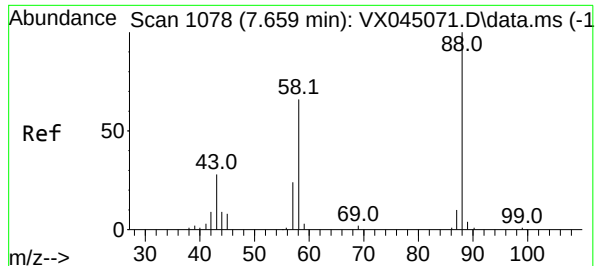
Delta R.T. 0.006 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

Tgt Ion:	41	Resp:	27005
Ion	Ratio	Lower	Upper
41	100		
69	78.7	63.0	94.6
39	58.7	47.5	71.3





#49

1,4-Dioxane

Concen: 358.508 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. 0.012 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBS01

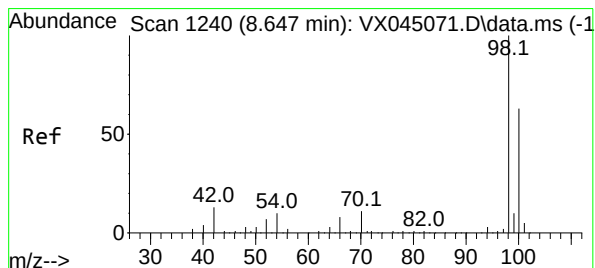
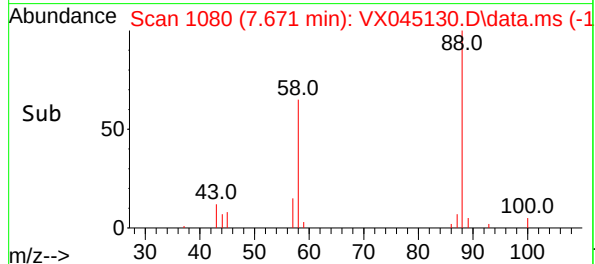
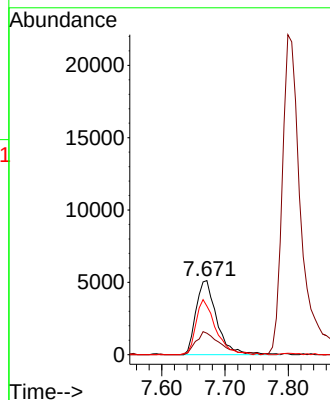
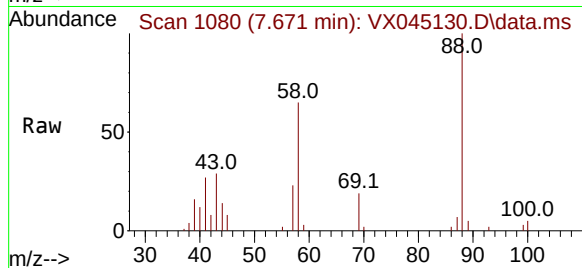
Tgt Ion:	88	Resp:	11794
Ion	Ratio	Lower	Upper
88	100		
43	34.7	28.7	43.1
58	69.3	55.8	83.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#50

Toluene-d8

Concen: 49.982 ug/l

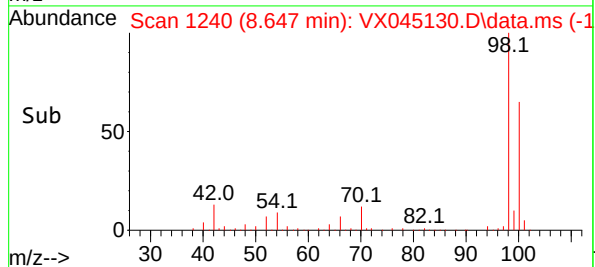
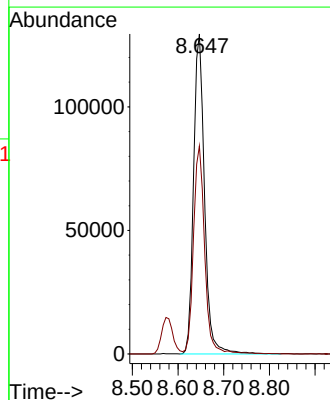
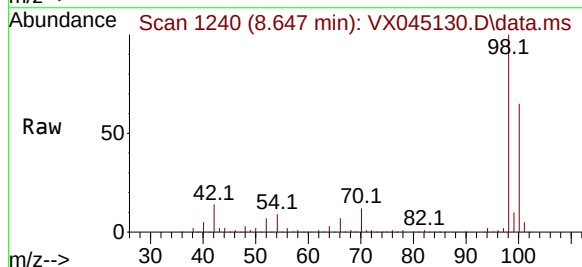
RT: 8.647 min Scan# 1240

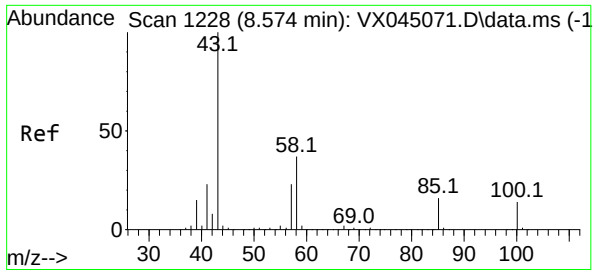
Delta R.T. -0.000 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

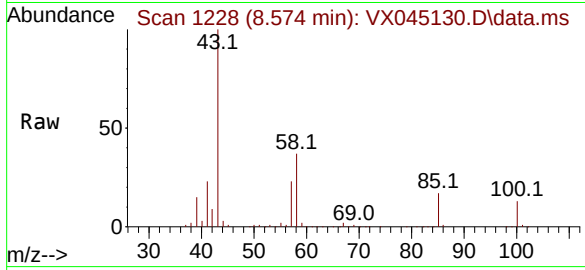
Tgt Ion:	98	Resp:	215565
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.0	78.0





#51
4-Methyl-2-Pentanone
Concen: 89.468 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

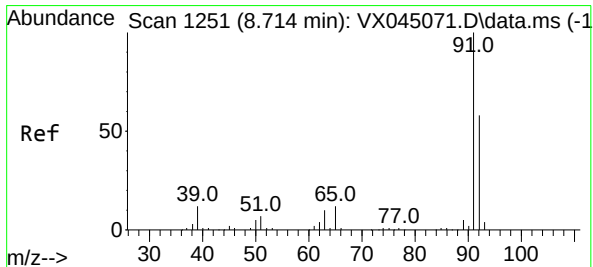
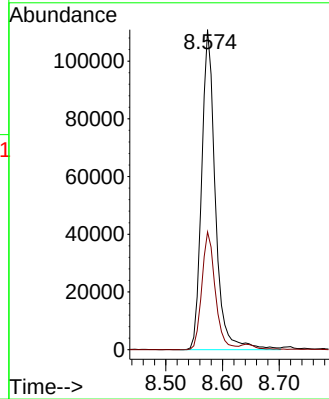
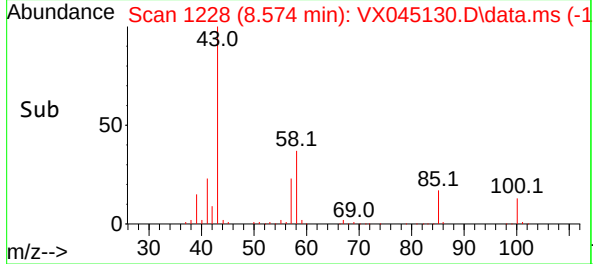
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01



Tgt Ion: 43 Resp: 186749
Ion Ratio Lower Upper
43 100
58 36.1 29.2 43.8

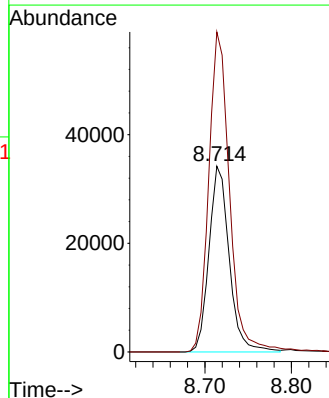
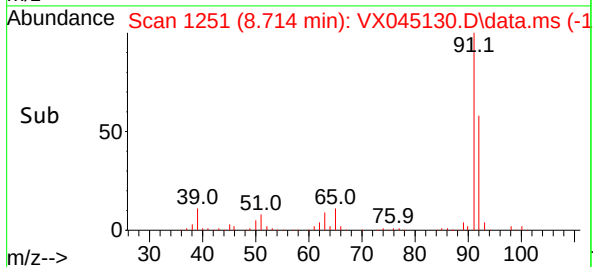
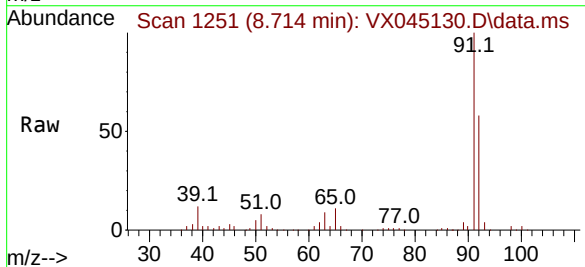
Manual Integrations
APPROVED

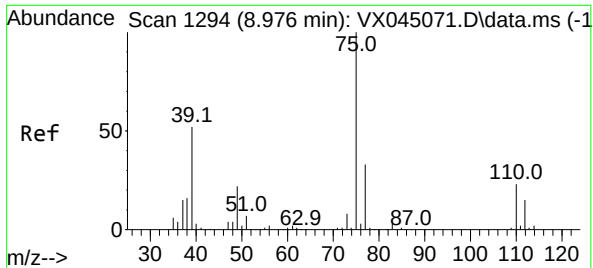
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#52
Toluene
Concen: 18.437 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

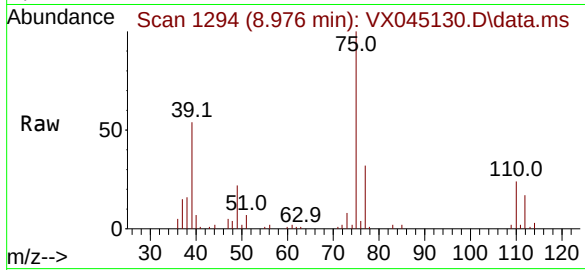
Tgt Ion: 92 Resp: 55728
Ion Ratio Lower Upper
92 100
91 177.0 138.9 208.3





#53
t-1,3-Dichloropropene
Concen: 17.782 ug/l
RT: 8.976 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

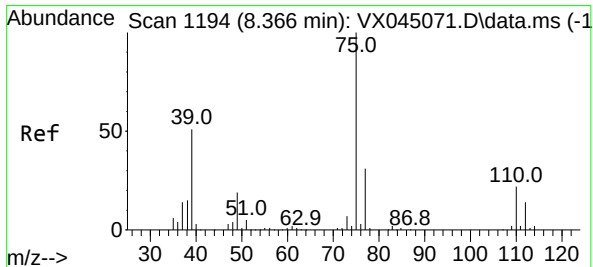
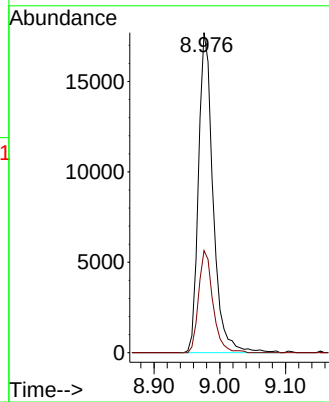
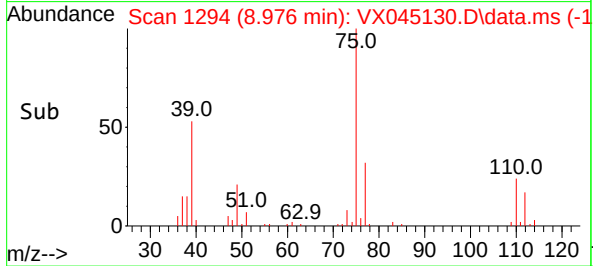
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01



Tgt Ion: 75 Resp: 27299
Ion Ratio Lower Upper
75 100
77 31.9 26.5 39.7

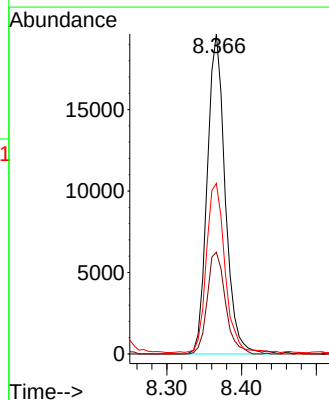
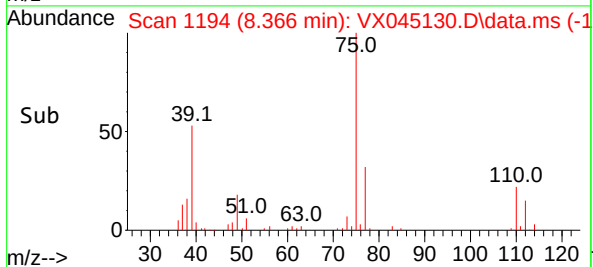
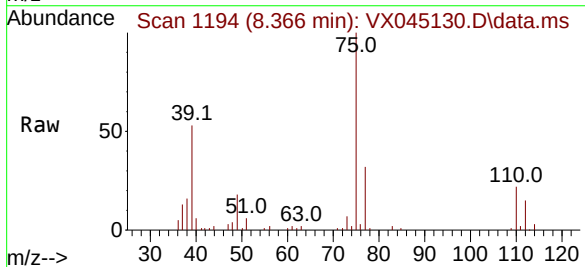
Manual Integrations
APPROVED

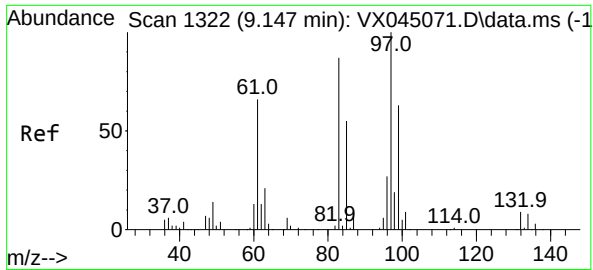
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#54
cis-1,3-Dichloropropene
Concen: 18.288 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 75 Resp: 32740
Ion Ratio Lower Upper
75 100
77 31.8 24.7 37.1
39 52.8 40.7 61.1





#55

1,1,2-Trichloroethane

Concen: 17.831 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.006 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBS01

Tgt Ion: 97 Resp: 2218

Ion Ratio Lower Upper

97 100

83 86.5 69.4 104.2

85 54.5 44.1 66.1

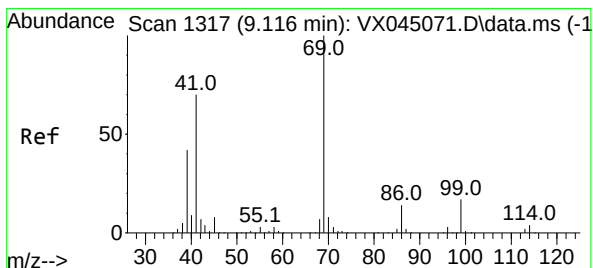
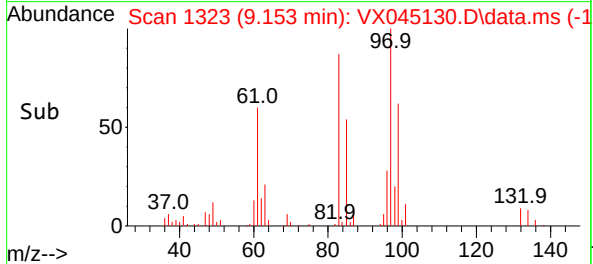
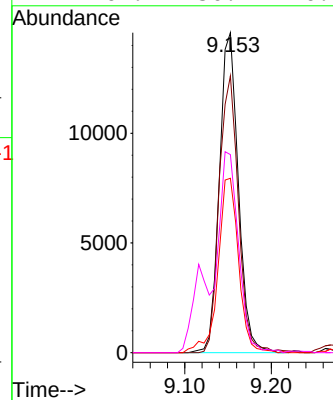
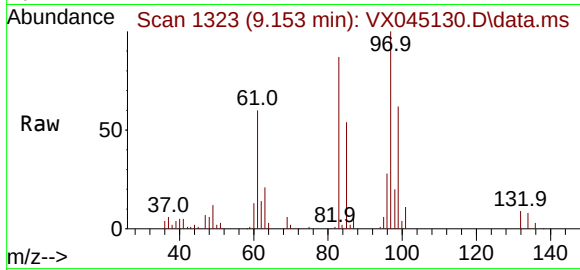
99 61.9 50.7 76.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#56

Ethyl methacrylate

Concen: 16.772 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

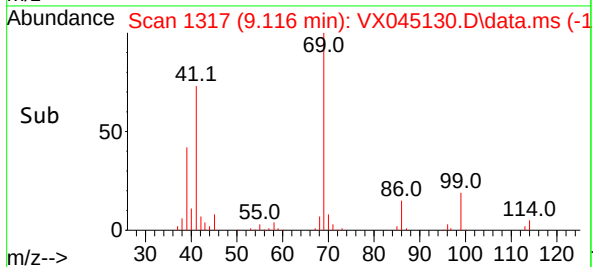
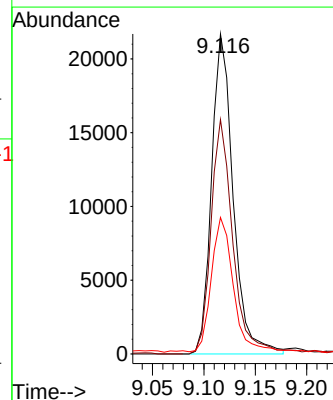
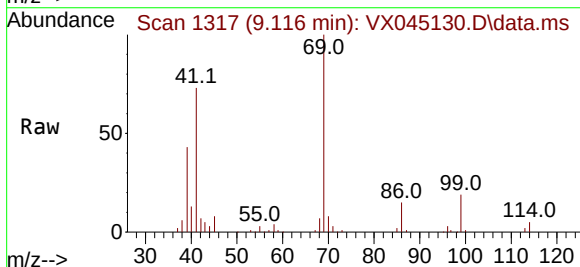
Tgt Ion: 69 Resp: 31725

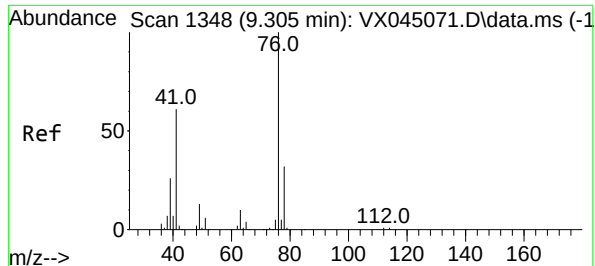
Ion Ratio Lower Upper

69 100

41 74.5 57.0 85.4

39 43.9 34.2 51.4





#57

1,3-Dichloropropane

Concen: 17.852 ug/l

RT: 9.305 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBS01

Tgt Ion: 76 Resp: 3844

Ion Ratio Lower Upper

76 100

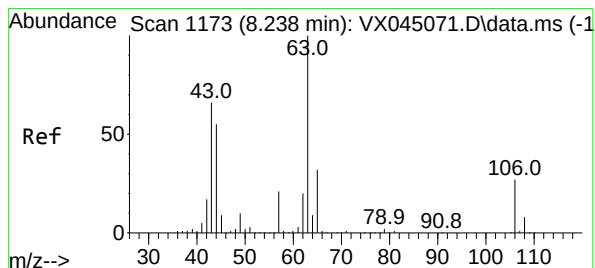
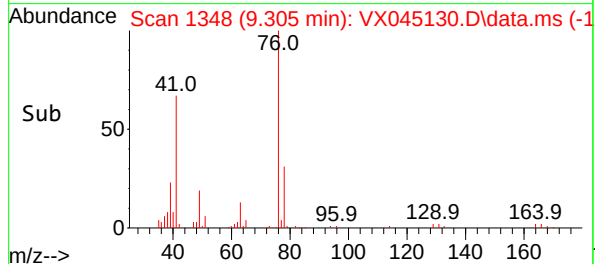
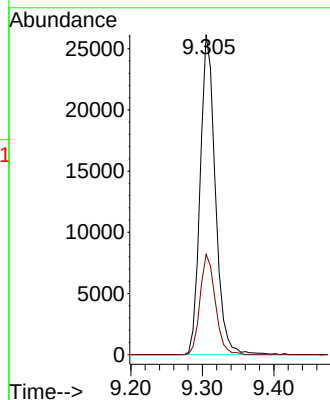
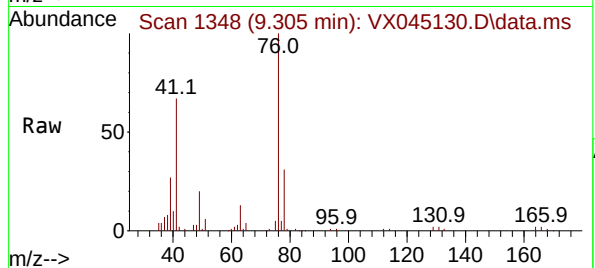
78 31.5 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#58

2-Chloroethyl Vinyl ether

Concen: 98.854 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX045130.D

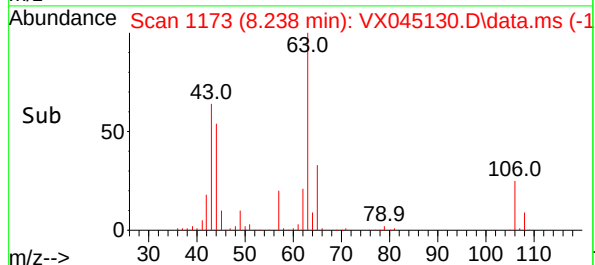
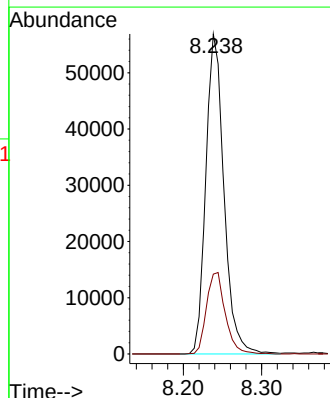
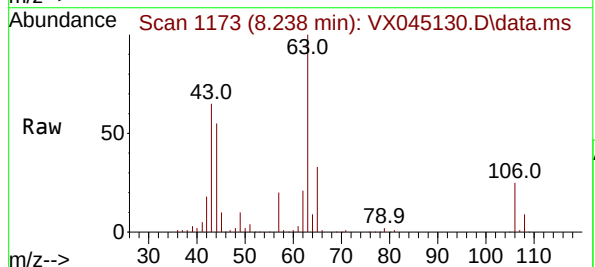
Acq: 05 Mar 2025 10:26

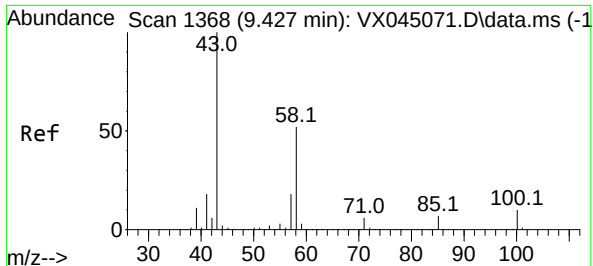
Tgt Ion: 63 Resp: 91212

Ion Ratio Lower Upper

63 100

106 26.4 21.5 32.3





#59

2-Hexanone

Concen: 89.062 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBS01

Tgt Ion: 43 Resp: 134690

Ion Ratio Lower Upper

43 100

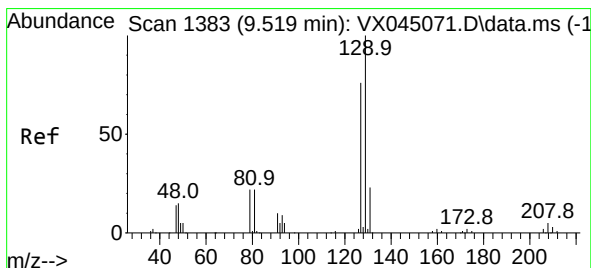
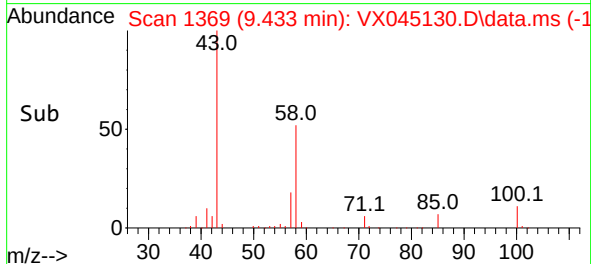
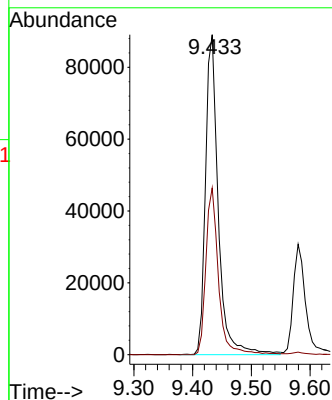
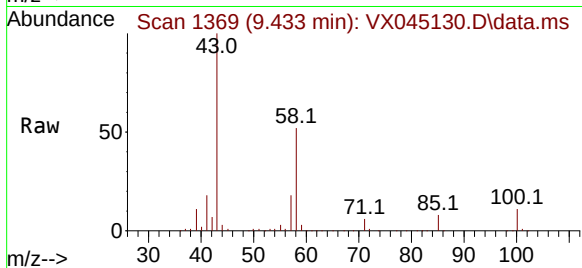
58 51.6 25.9 77.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#60

Dibromochloromethane

Concen: 17.117 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX045130.D

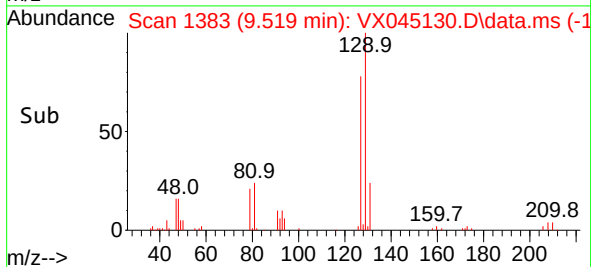
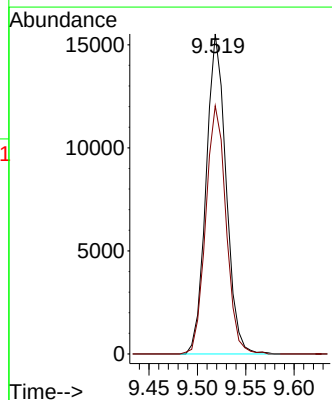
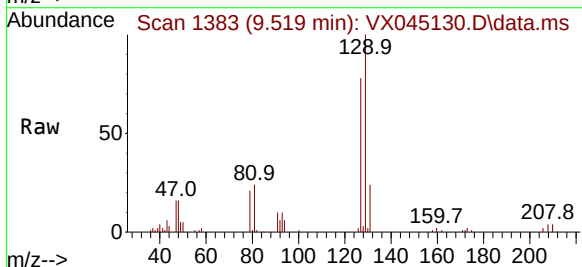
Acq: 05 Mar 2025 10:26

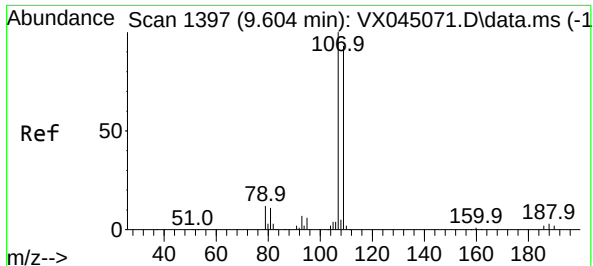
Tgt Ion:129 Resp: 22271

Ion Ratio Lower Upper

129 100

127 79.0 38.5 115.5





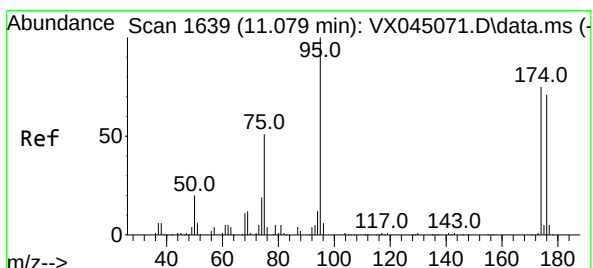
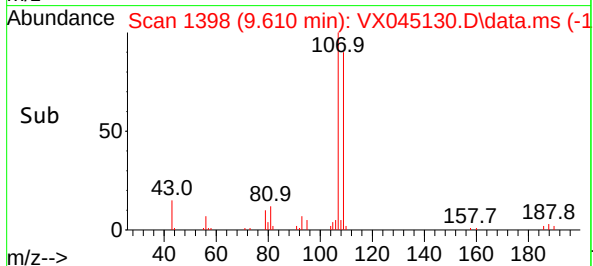
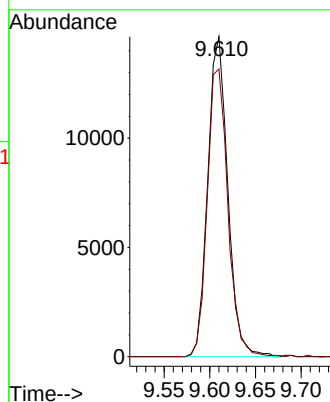
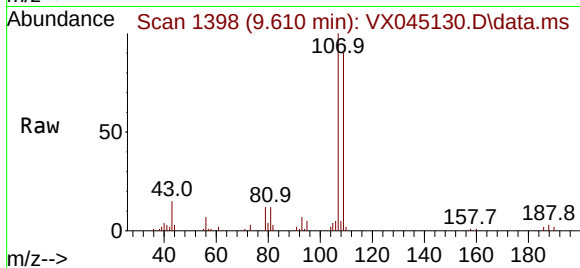
#61
1,2-Dibromoethane
Concen: 17.897 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Tgt Ion:107 Resp: 2223
Ion Ratio Lower Upper
107 100
109 92.8 76.1 114.1

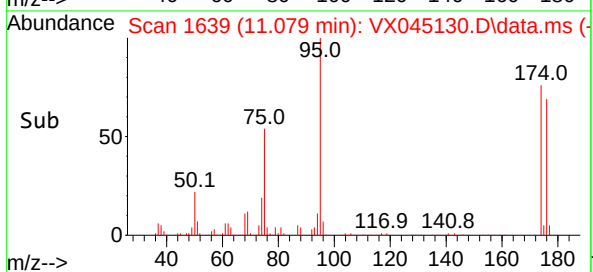
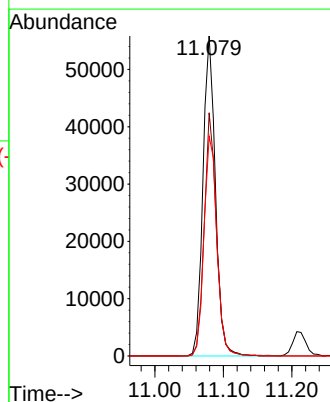
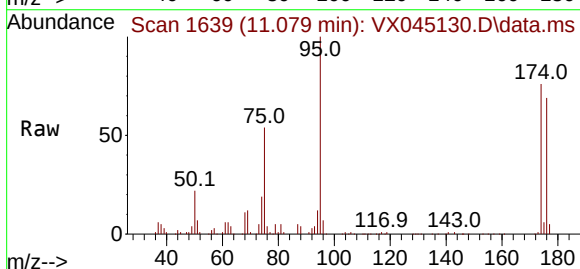
Manual Integrations
APPROVED

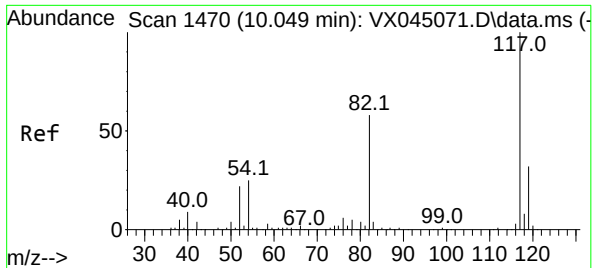
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#62
4-Bromofluorobenzene
Concen: 49.515 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

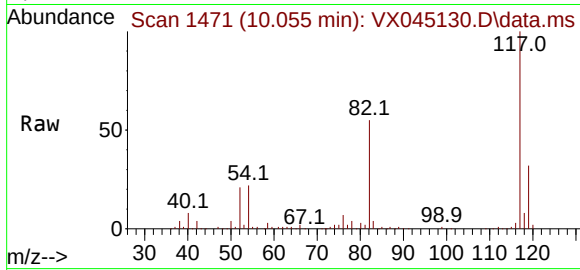
Tgt Ion: 95 Resp: 70764
Ion Ratio Lower Upper
95 100
174 74.2 0.0 148.2
176 71.1 0.0 141.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

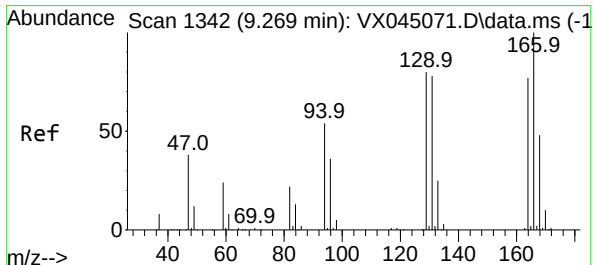
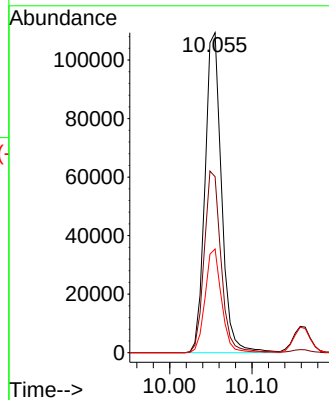
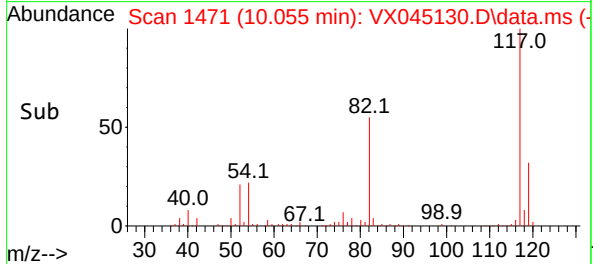
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01



Tgt Ion:117 Resp: 153160
Ion Ratio Lower Upper
117 100
82 55.0 46.3 69.5
119 32.4 25.7 38.5

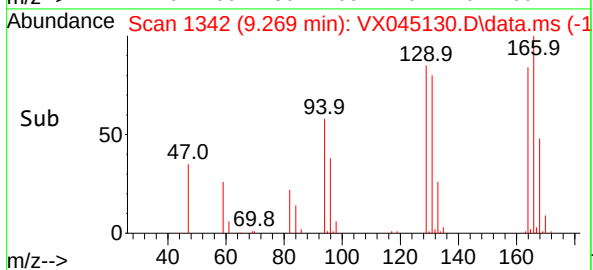
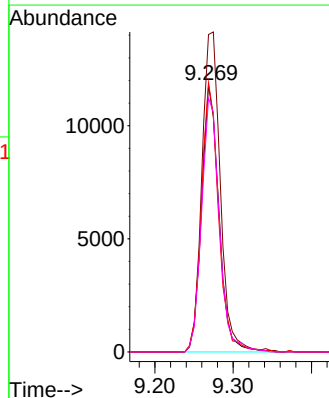
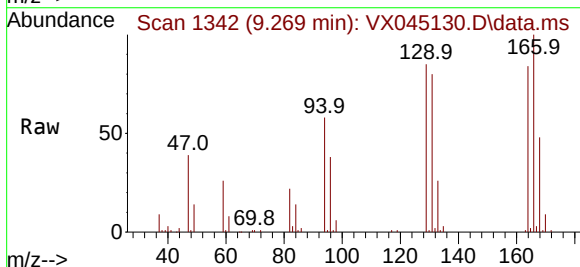
Manual Integrations
APPROVED

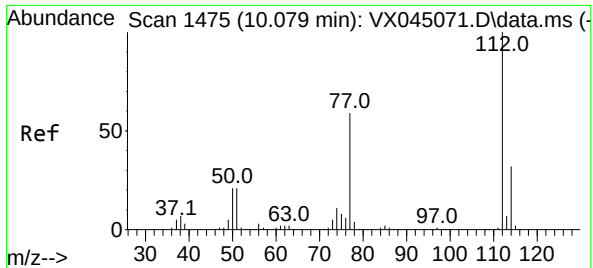
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#64
Tetrachloroethene
Concen: 18.522 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:164 Resp: 18169
Ion Ratio Lower Upper
164 100
166 119.1 103.6 155.4
129 101.1 82.7 124.1
131 95.2 80.5 120.7





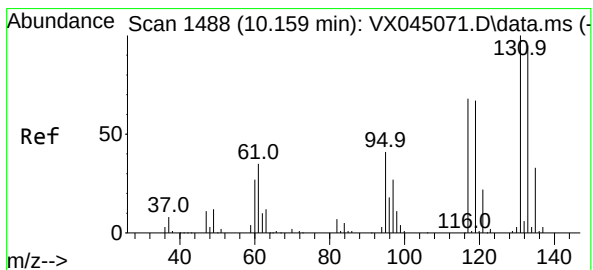
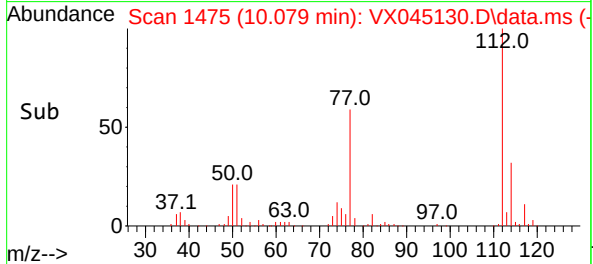
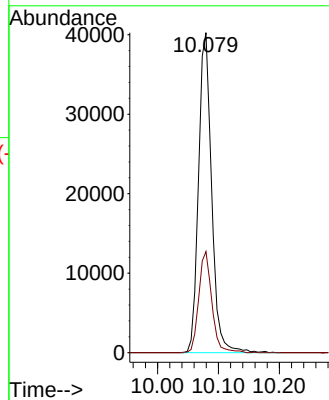
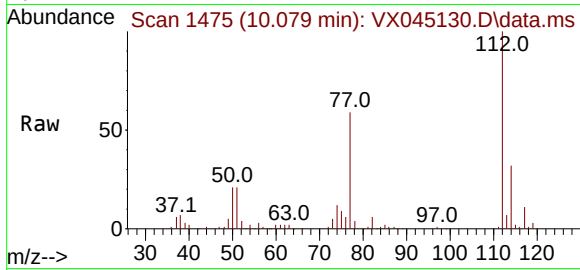
#65
Chlorobenzene
Concen: 18.531 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Tgt Ion:112 Resp: 6005
Ion Ratio Lower Upper
112 100
114 31.6 26.0 39.0

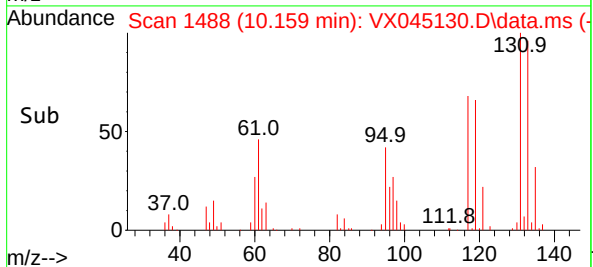
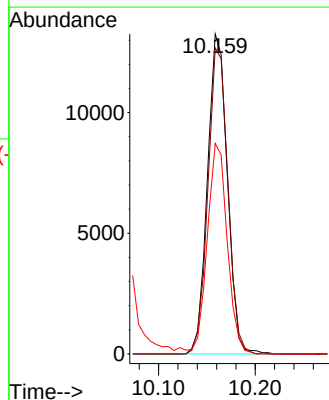
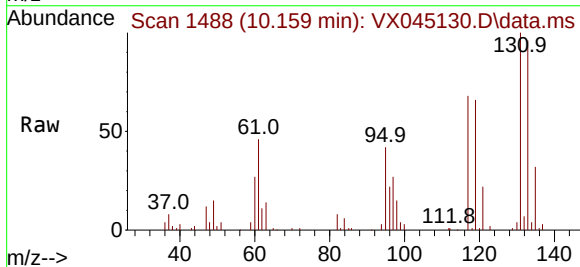
Manual Integrations
APPROVED

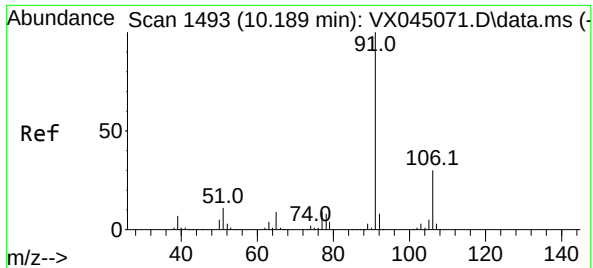
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 17.494 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

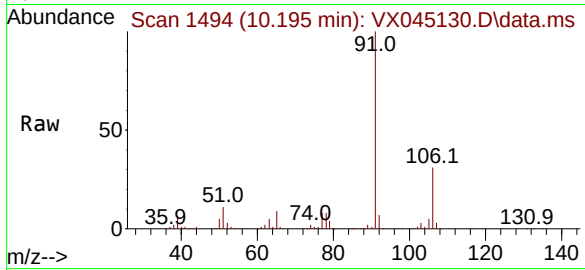
Tgt Ion:131 Resp: 18881
Ion Ratio Lower Upper
131 100
133 96.3 48.6 145.9
119 66.0 33.9 101.7





#67
Ethyl Benzene
Concen: 18.527 ug/l
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

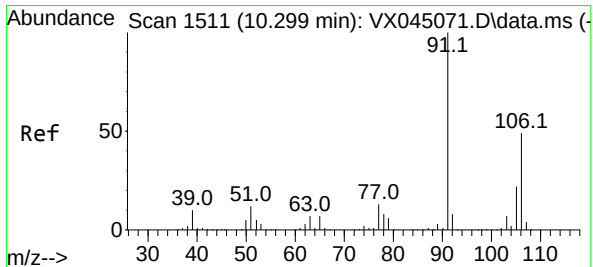
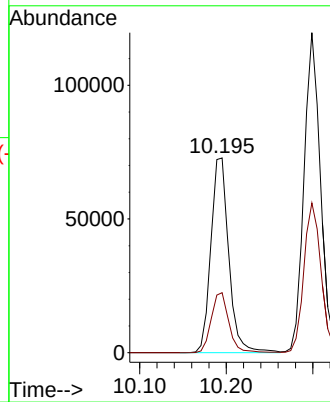
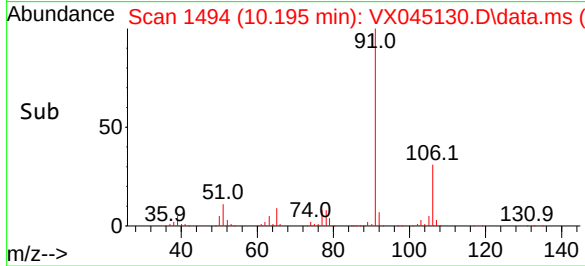
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01



Tgt Ion: 91 Resp: 104623
Ion Ratio Lower Upper
91 100
106 30.8 23.9 35.9

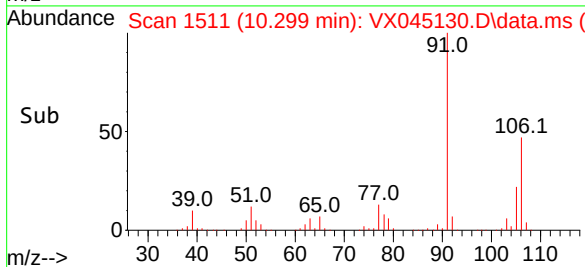
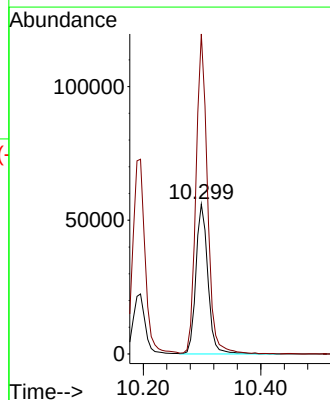
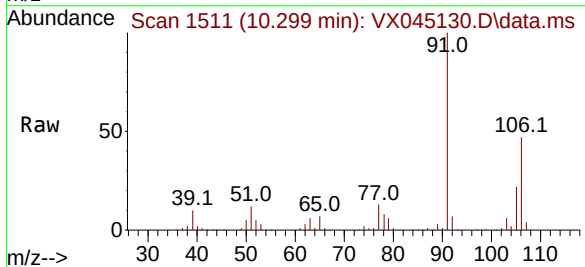
Manual Integrations
APPROVED

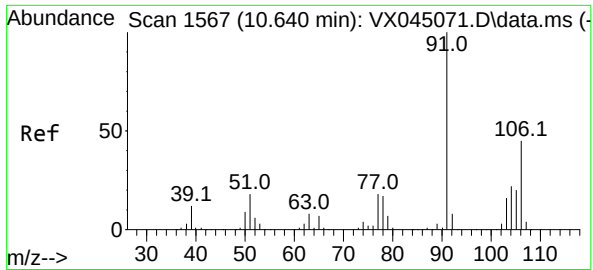
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#68
m/p-Xylenes
Concen: 38.326 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:106 Resp: 79227
Ion Ratio Lower Upper
106 100
91 203.5 165.4 248.0





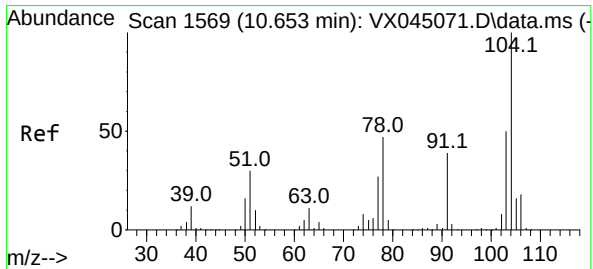
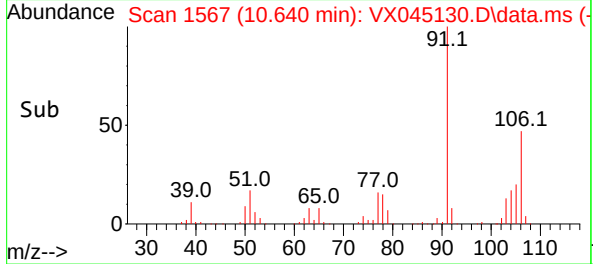
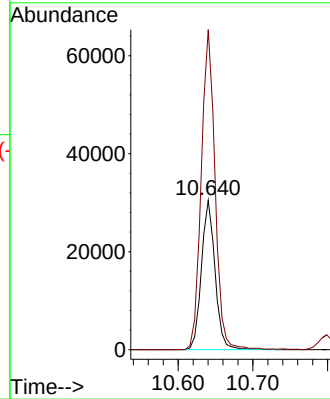
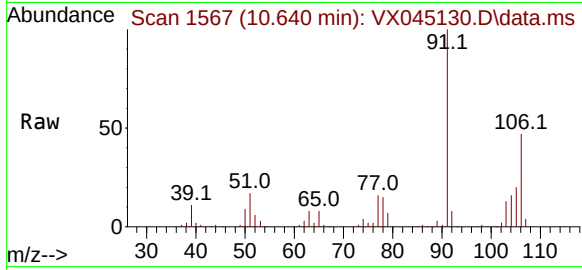
#69
o-Xylene
Concen: 18.515 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Tgt Ion:106 Resp: 3860
Ion Ratio Lower Upper
106 100
91 216.5 109.9 329.6

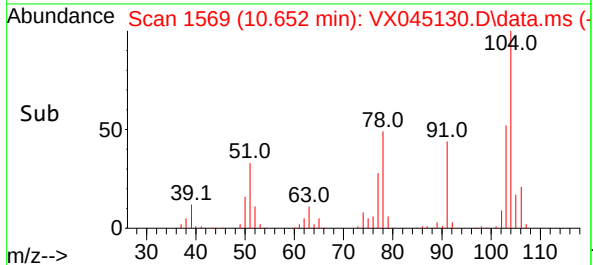
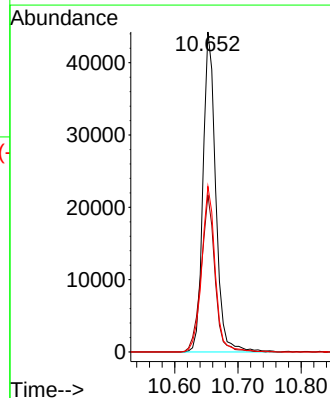
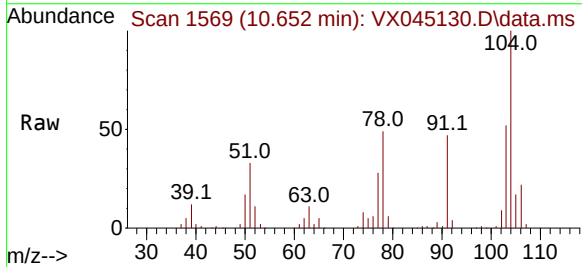
Manual Integrations
APPROVED

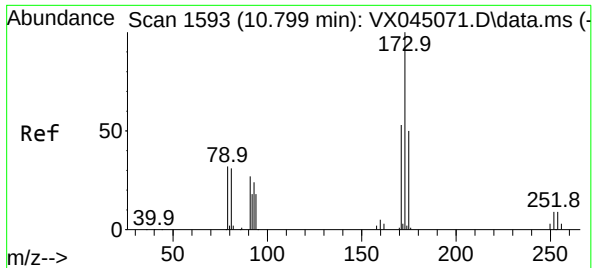
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#70
Styrene
Concen: 18.414 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

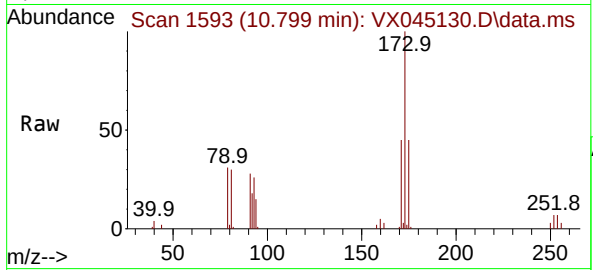
Tgt Ion:104 Resp: 62119
Ion Ratio Lower Upper
104 100
78 52.9 42.2 63.4
103 55.1 43.8 65.8





#71
Bromoform
Concen: 17.476 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

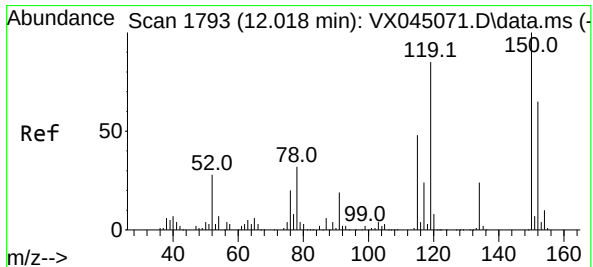
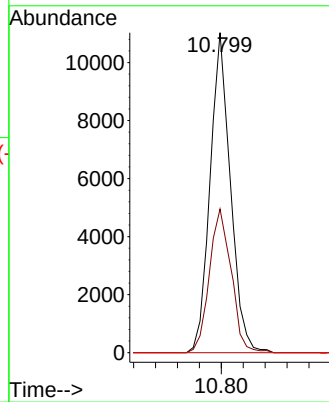
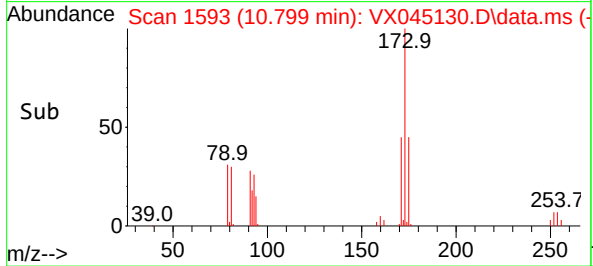
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01



Tgt Ion:173 Resp: 1422
Ion Ratio Lower Upper
173 100
175 48.2 24.6 73.6
254 0.0 0.0 0.0

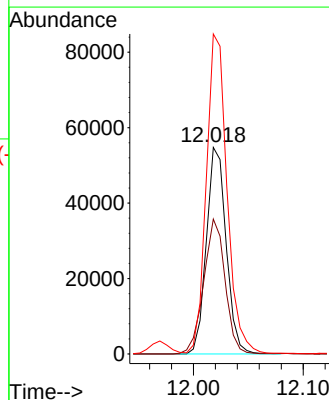
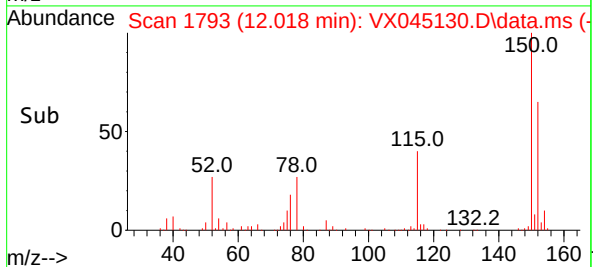
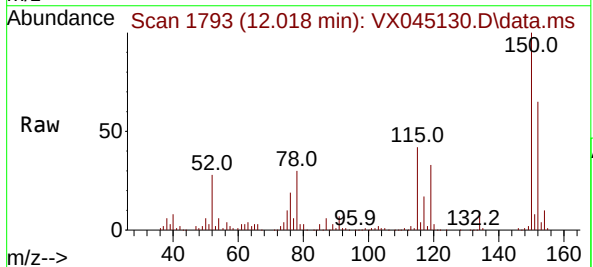
Manual Integrations
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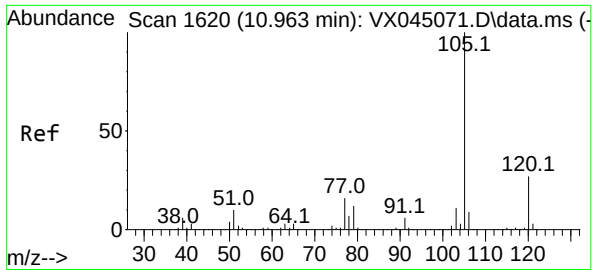
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:152 Resp: 68669
Ion Ratio Lower Upper
152 100
115 70.5 44.2 132.6
150 162.2 0.0 349.0





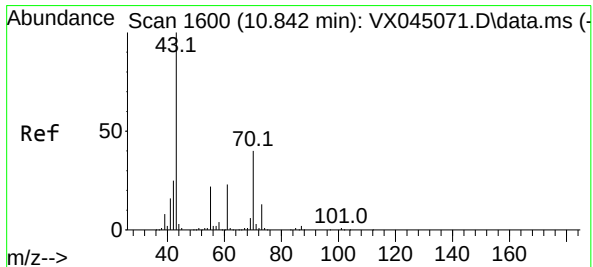
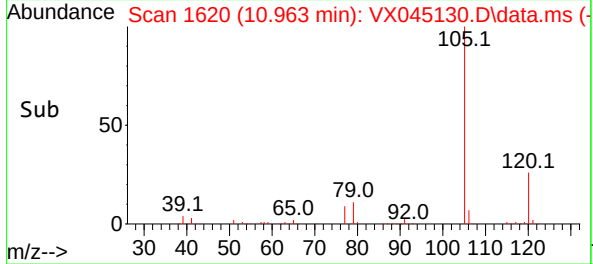
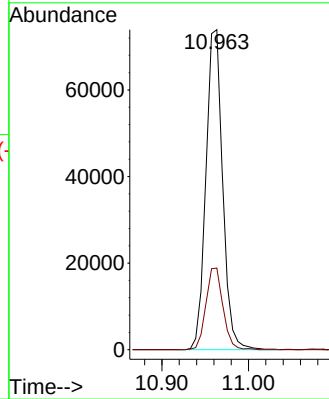
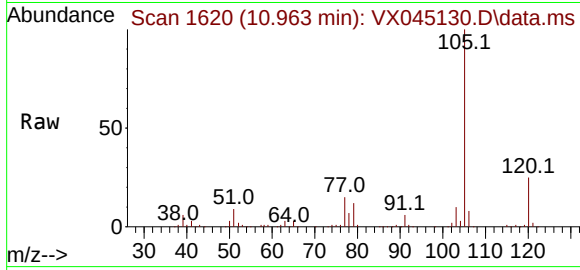
#73
Isopropylbenzene
Concen: 18.537 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Tgt Ion:105 Resp: 9935
Ion Ratio Lower Upper
105 100
120 26.0 13.2 39.5

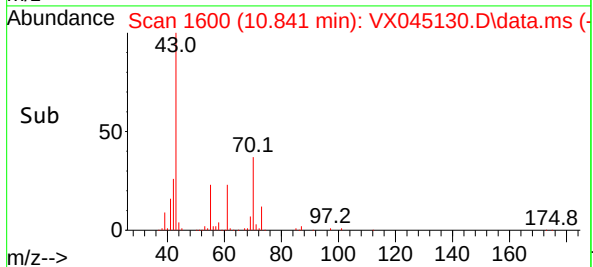
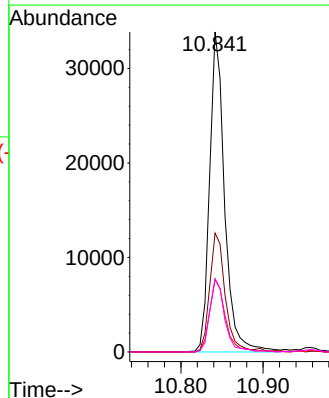
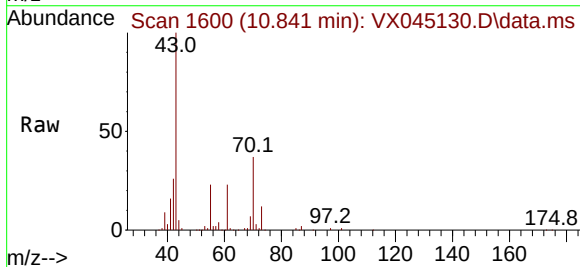
Manual Integrations
APPROVED

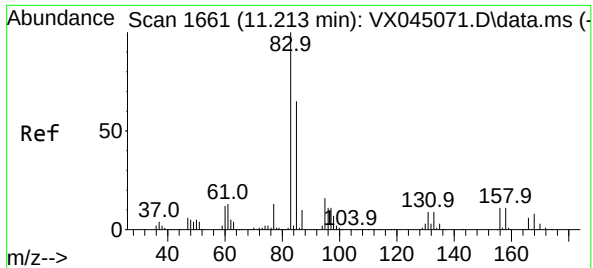
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#74
N-ethyl acetate
Concen: 17.106 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 43 Resp: 43022
Ion Ratio Lower Upper
43 100
70 38.9 31.8 47.6
55 23.9 18.3 27.5
61 22.8 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 17.495 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBS01

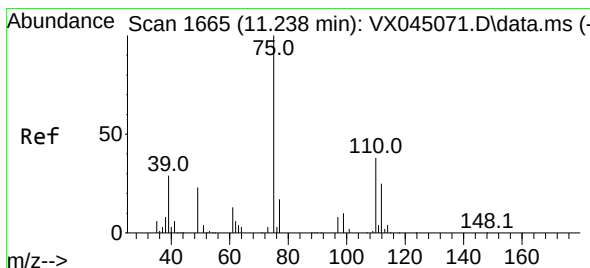
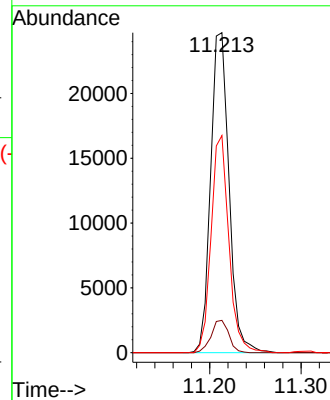
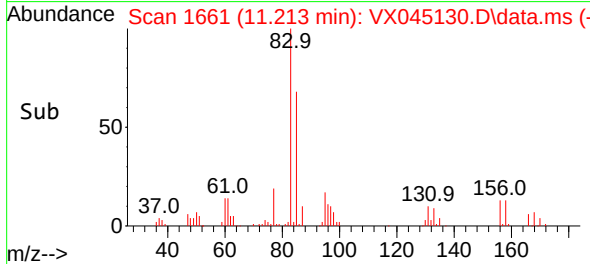
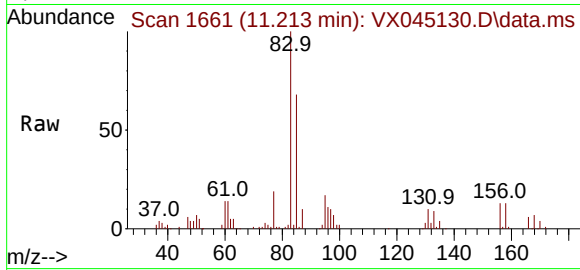
Tgt Ion:	83	Resp:	34410
Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.5	13.4
85	65.6	31.7	95.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#76

1,2,3-Trichloropropane

Concen: 19.442 ug/l m

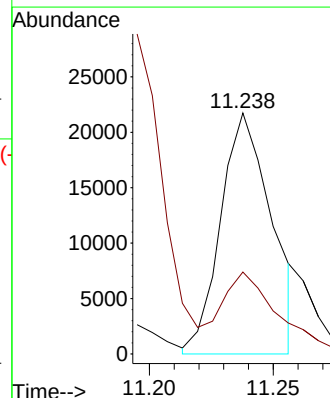
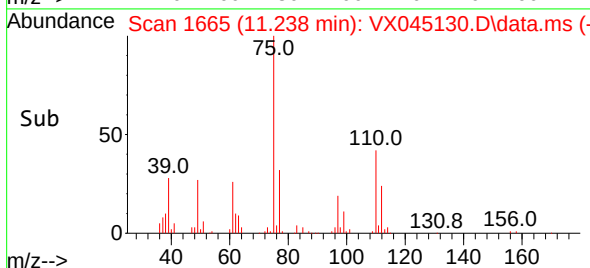
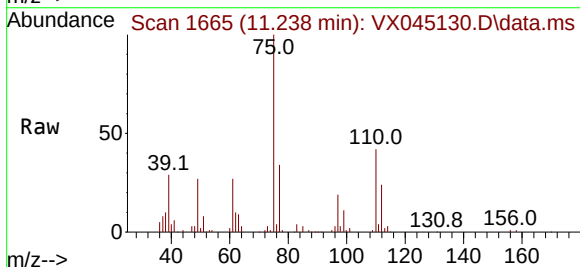
RT: 11.238 min Scan# 1665

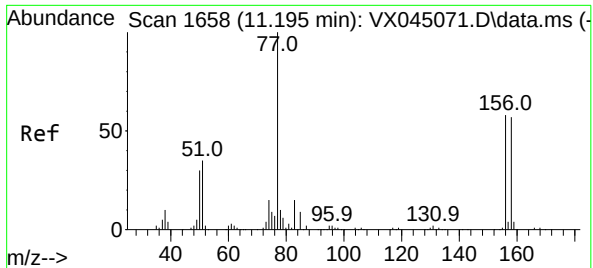
Delta R.T. -0.000 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

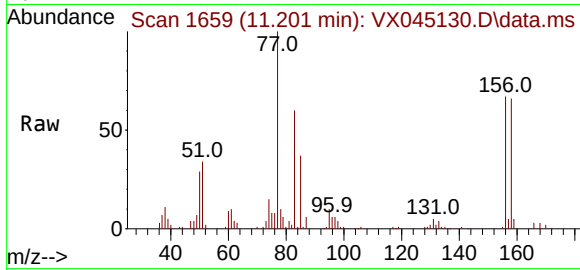
Tgt Ion:	75	Resp:	31073
Ion	Ratio	Lower	Upper
75	100		
77	38.3	20.7	62.1





#77
Bromobenzene
Concen: 17.813 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

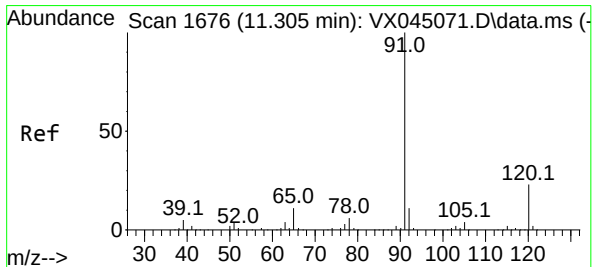
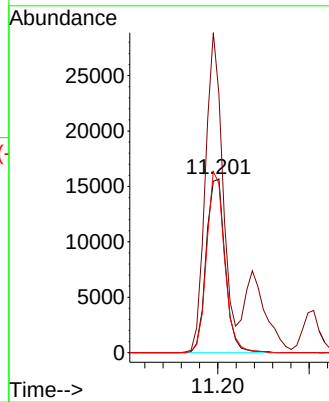
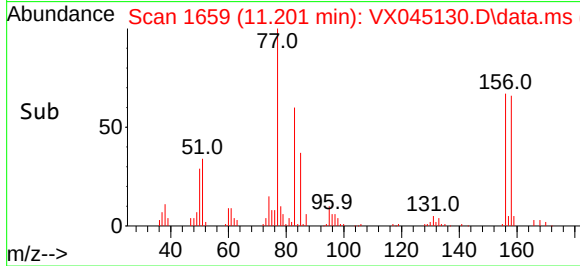
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01



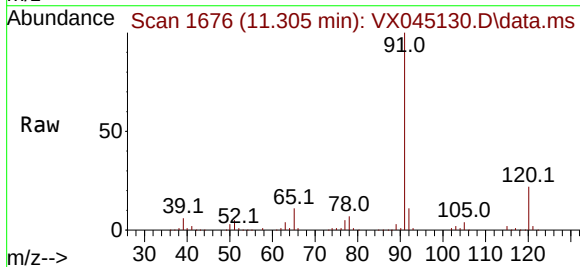
Tgt Ion:156 Resp: 22520
Ion Ratio Lower Upper
156 100
77 169.5 85.8 257.4
158 98.8 48.4 145.2

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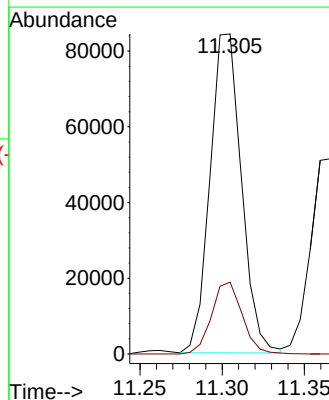
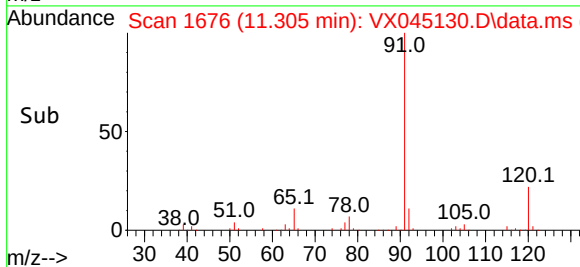
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

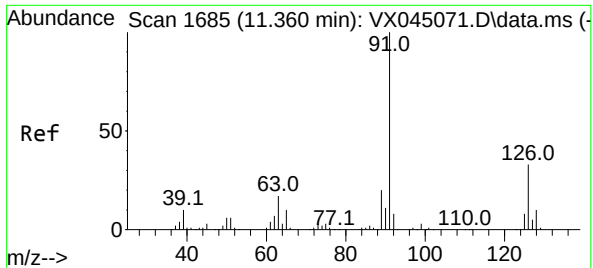


#78
n-propylbenzene
Concen: 18.492 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26



Tgt Ion: 91 Resp: 111961
Ion Ratio Lower Upper
91 100
120 21.9 11.2 33.6





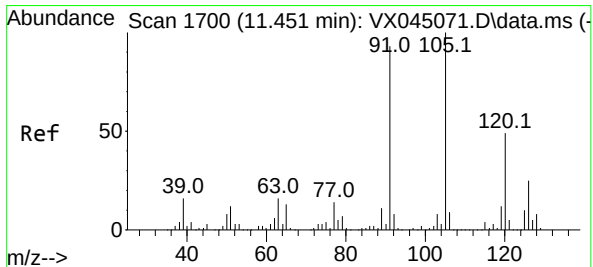
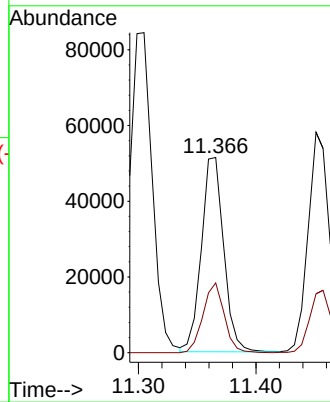
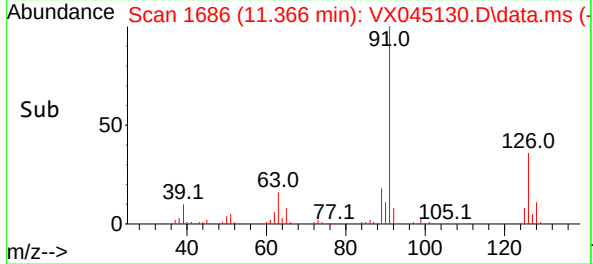
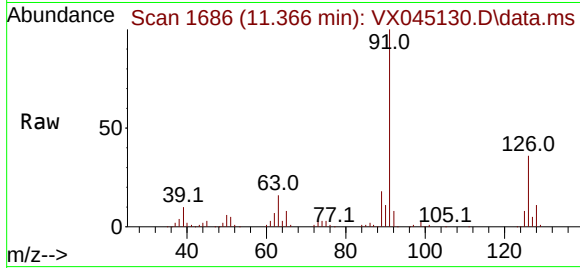
#79
2-Chlorotoluene
Concen: 17.631 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Tgt Ion: 91 Resp: 6798
Ion Ratio Lower Upper
91 100
126 34.0 16.4 49.4

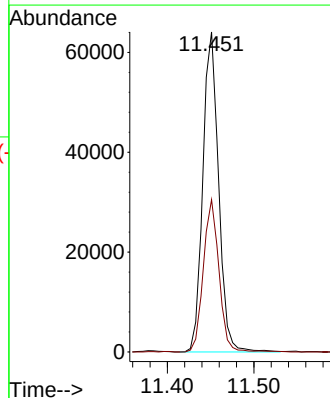
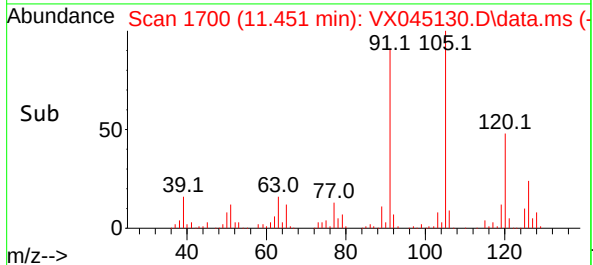
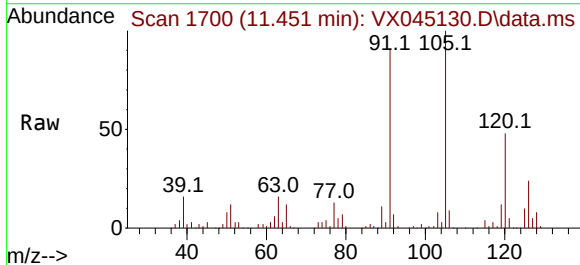
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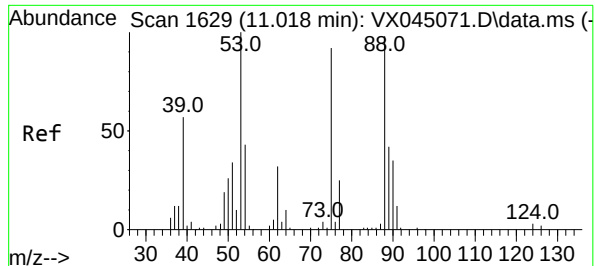
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#80
1,3,5-Trimethylbenzene
Concen: 18.707 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

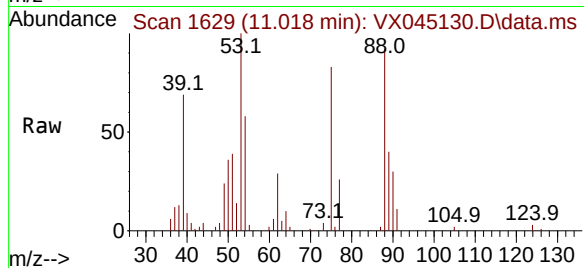
Tgt Ion:105 Resp: 81071
Ion Ratio Lower Upper
105 100
120 47.2 24.1 72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 16.241 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

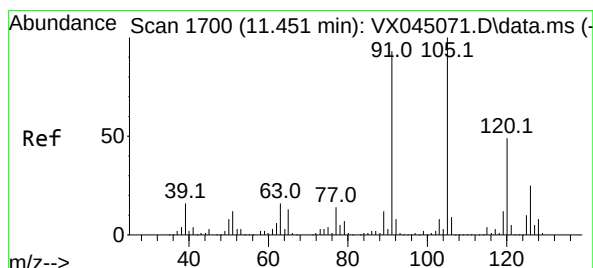
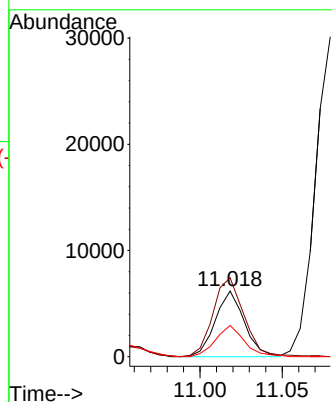
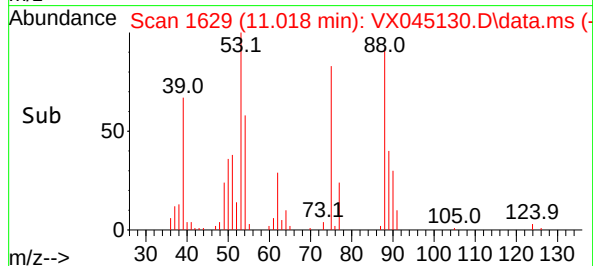
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01



Tgt Ion: 75 Resp: 7589
Ion Ratio Lower Upper
75 100
53 129.1 88.5 132.7
89 47.1 36.2 54.4

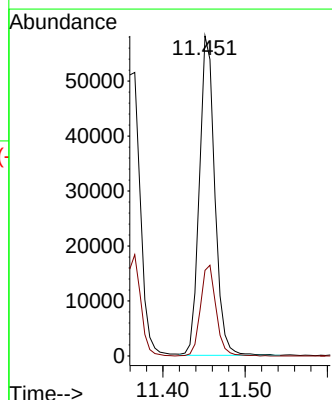
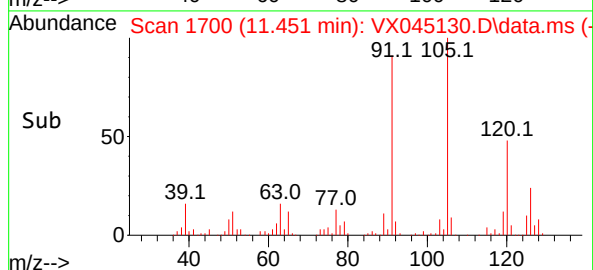
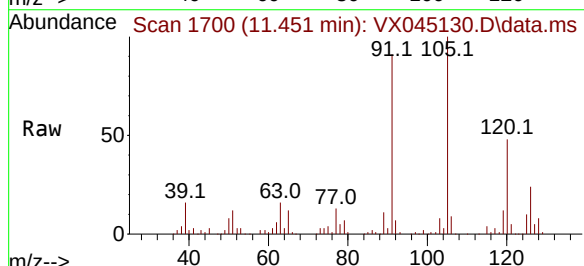
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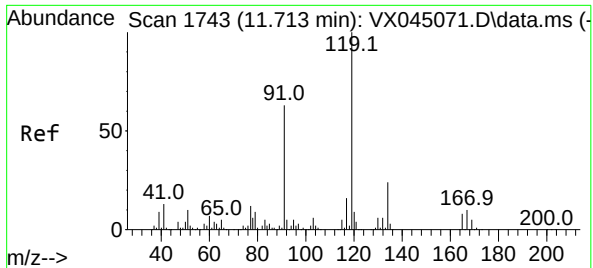
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#82
4-Chlorotoluene
Concen: 18.001 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion: 91 Resp: 75650
Ion Ratio Lower Upper
91 100
126 28.8 14.1 42.4





#83

tert-Butylbenzene

Concen: 18.004 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBS01

Tgt Ion:119 Resp: 80170

Ion Ratio Lower Upper

119 100

91 61.0 30.7 92.1

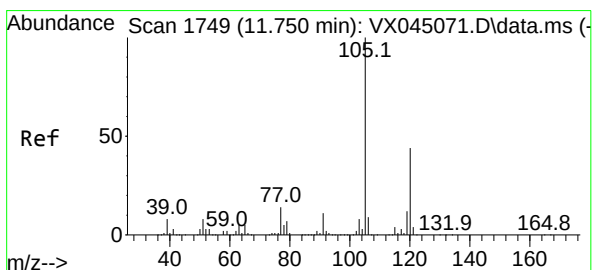
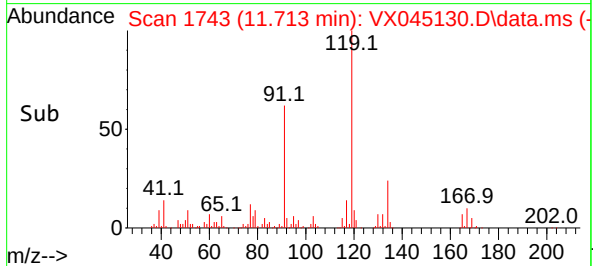
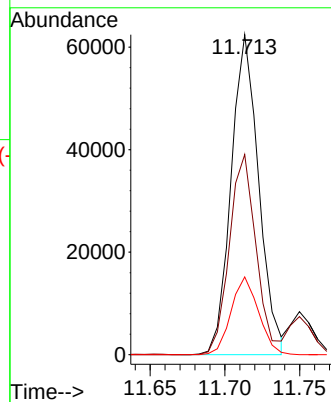
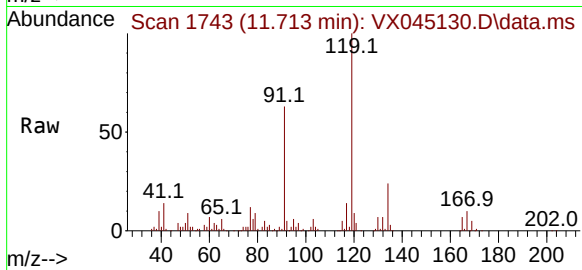
134 24.2 11.7 35.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#84

1,2,4-Trimethylbenzene

Concen: 18.462 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX045130.D

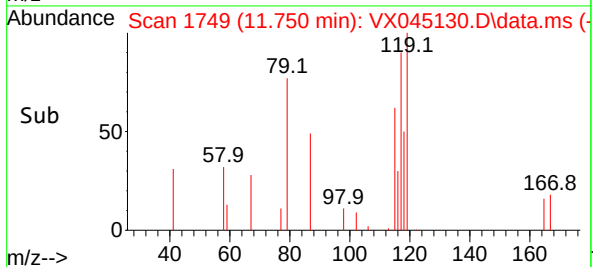
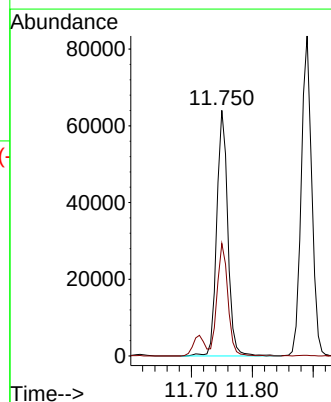
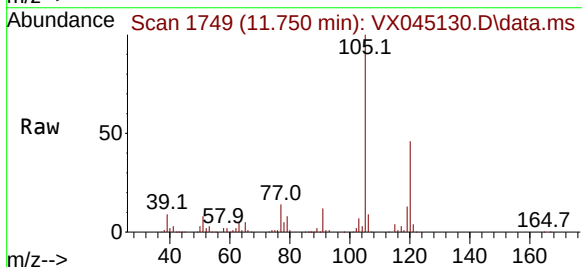
Acq: 05 Mar 2025 10:26

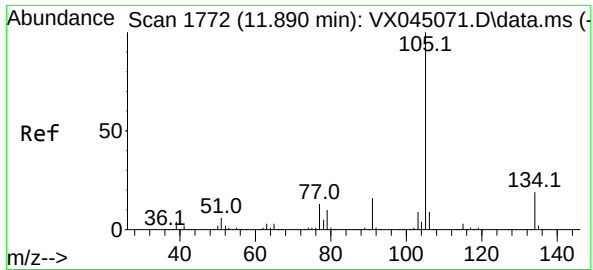
Tgt Ion:105 Resp: 80507

Ion Ratio Lower Upper

105 100

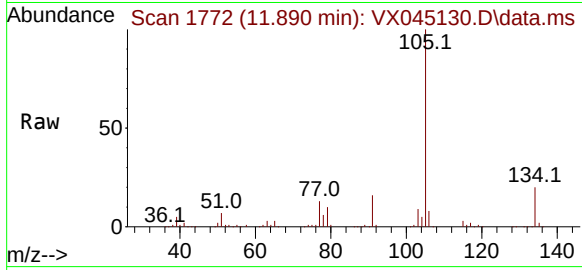
120 45.2 22.1 66.1





#85
sec-Butylbenzene
Concen: 18.757 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

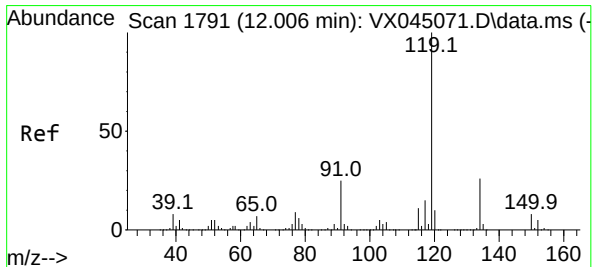
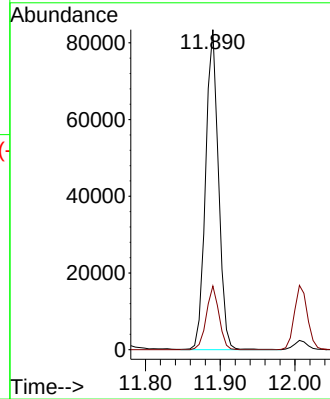
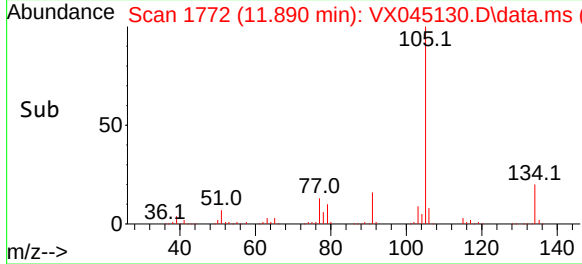
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01



Tgt Ion:105 Resp: 10005
Ion Ratio Lower Upper
105 100
134 19.4 9.8 29.4

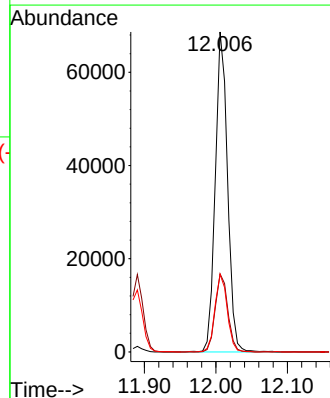
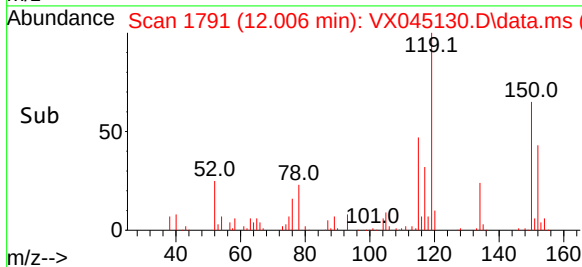
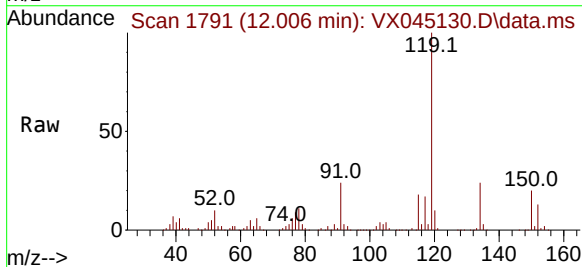
Manual Integrations
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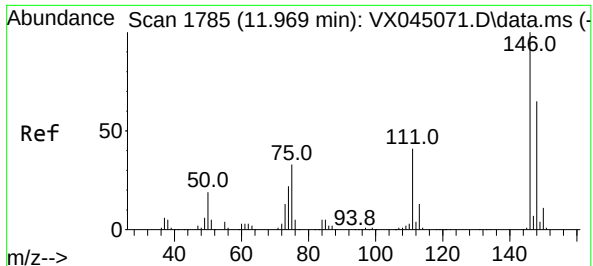
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#86
p-Isopropyltoluene
Concen: 18.957 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:119 Resp: 81717
Ion Ratio Lower Upper
119 100
134 25.1 12.9 38.6
91 24.5 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 18.360 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBS01

Tgt Ion:146 Resp: 4142

Ion Ratio Lower Upper

146 100

111 41.9 21.1 63.4

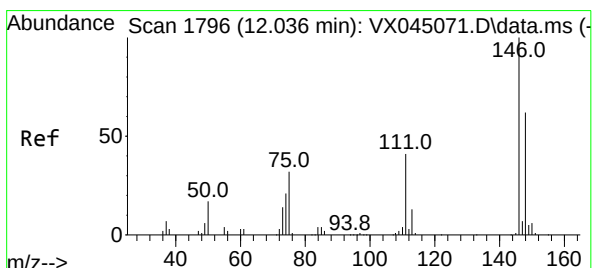
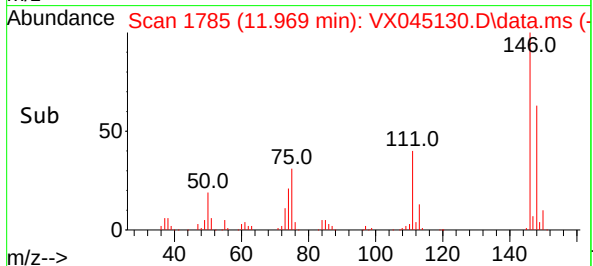
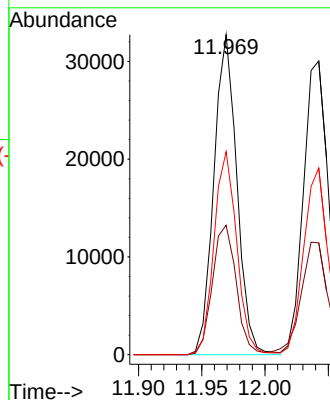
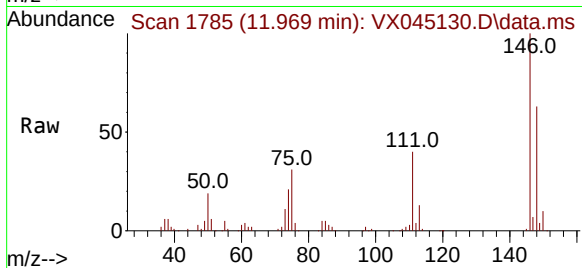
148 62.9 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#88

1,4-Dichlorobenzene

Concen: 18.237 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

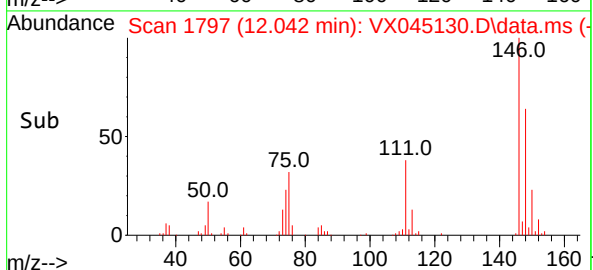
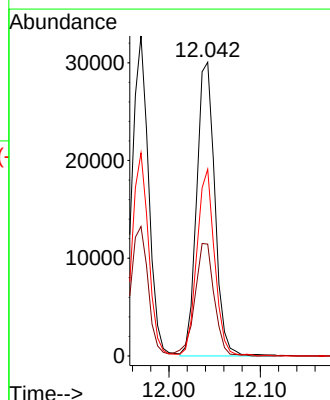
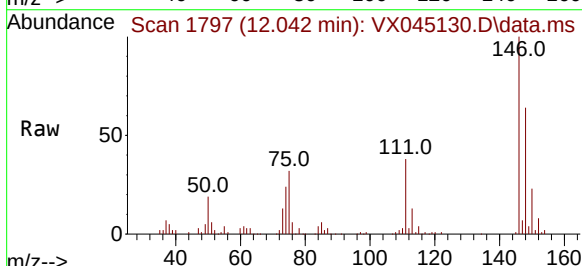
Tgt Ion:146 Resp: 41624

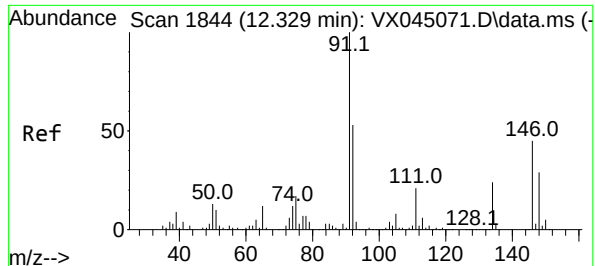
Ion Ratio Lower Upper

146 100

111 40.9 20.2 60.5

148 61.9 31.9 95.9





#89

n-Butylbenzene

Concen: 18.510 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX045130.D

Acq: 05 Mar 2025 10:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBS01

Tgt Ion: 91 Resp: 6872

Ion Ratio Lower Upper

91 100

92 53.9 26.7 80.0

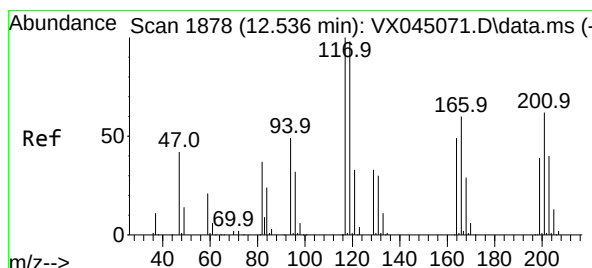
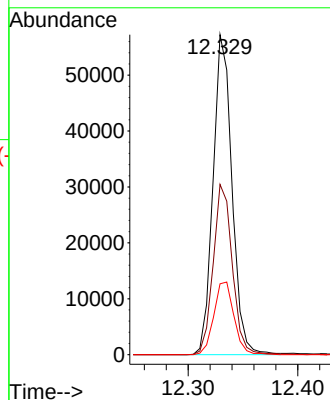
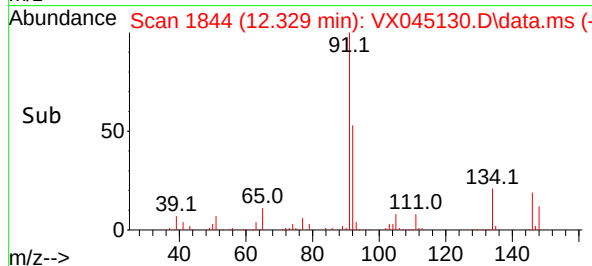
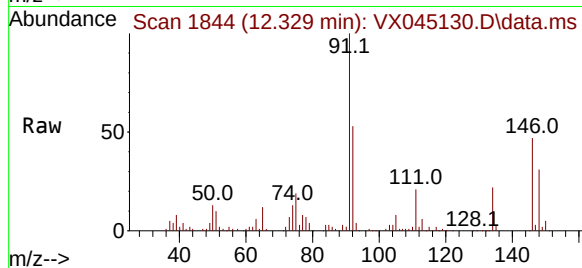
134 24.2 12.2 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#90

Hexachloroethane

Concen: 17.133 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX045130.D

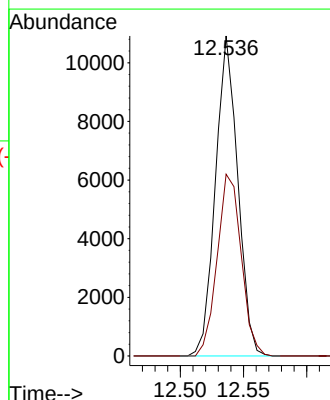
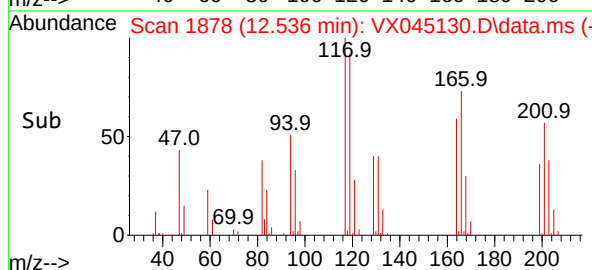
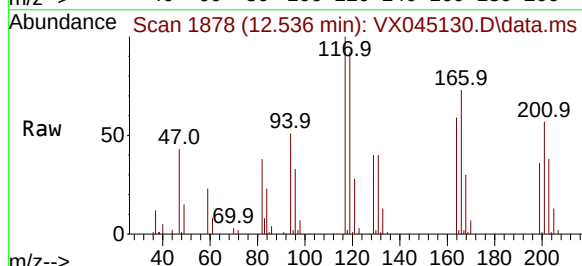
Acq: 05 Mar 2025 10:26

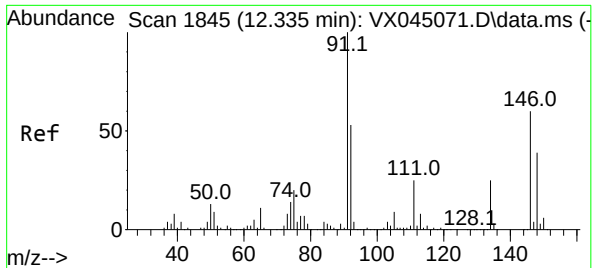
Tgt Ion:117 Resp: 13358

Ion Ratio Lower Upper

117 100

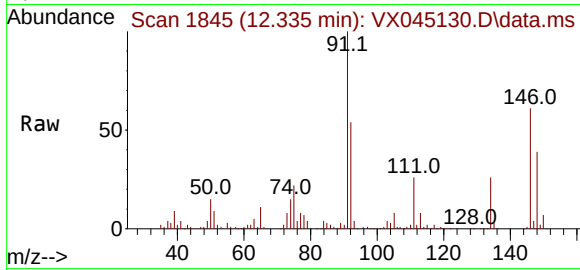
201 61.3 31.9 95.9





#91
1,2-Dichlorobenzene
Concen: 18.196 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

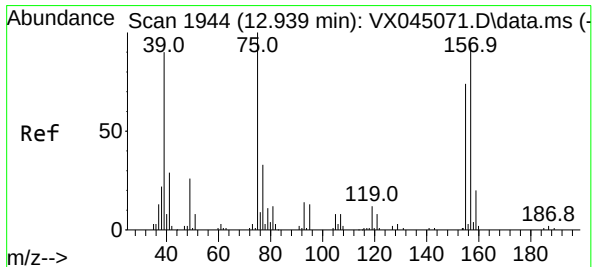
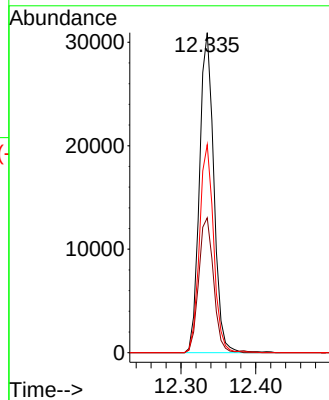
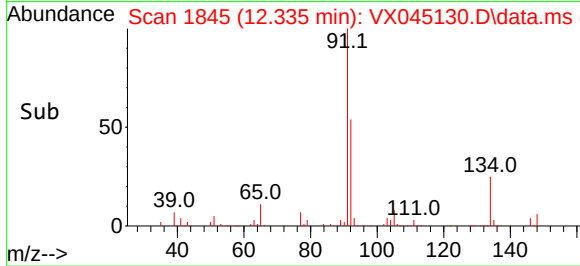
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01



Tgt Ion:146 Resp: 41178
Ion Ratio Lower Upper
146 100
111 43.4 21.6 65.0
148 64.3 31.9 95.9

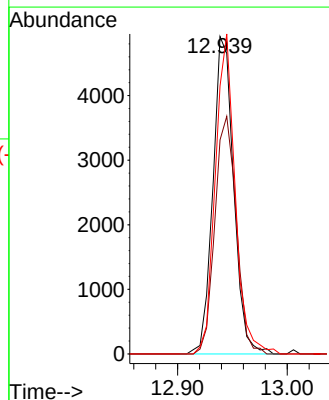
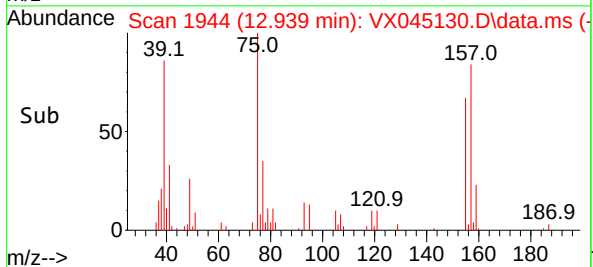
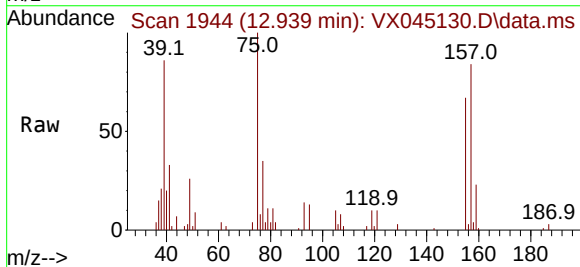
Manual Integrations
APPROVED

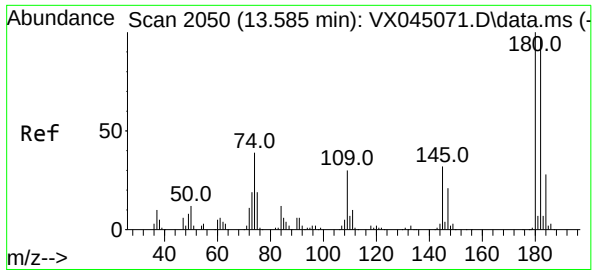
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 16.822 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

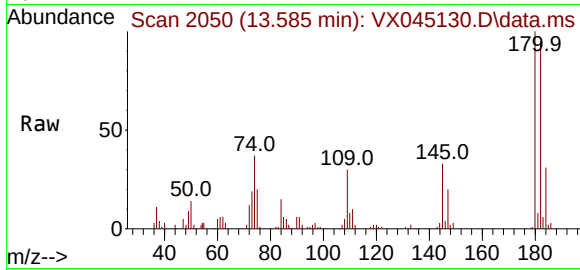
Tgt Ion: 75 Resp: 6446
Ion Ratio Lower Upper
75 100
155 77.6 39.6 118.7
157 96.4 51.1 153.4





#93
1,2,4-Trichlorobenzene
Concen: 18.020 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

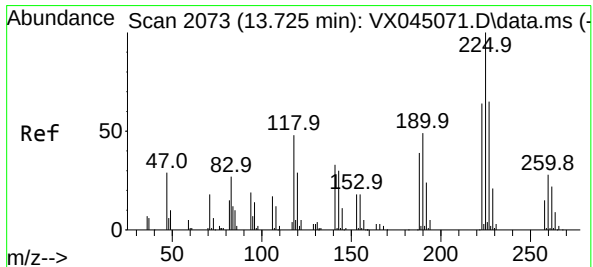
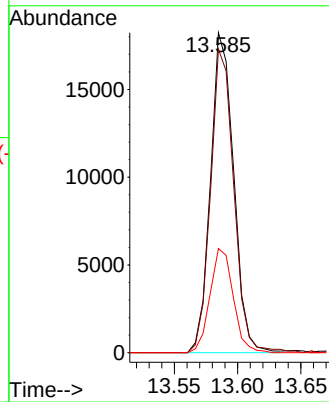
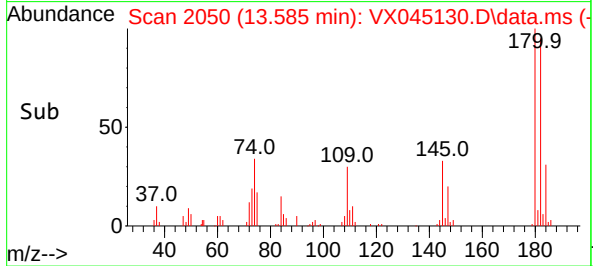
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01



Tgt Ion:180 Resp: 2322
Ion Ratio Lower Upper
180 100
182 95.2 47.3 141.9
145 32.6 16.3 48.9

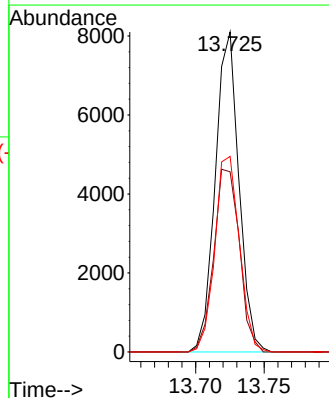
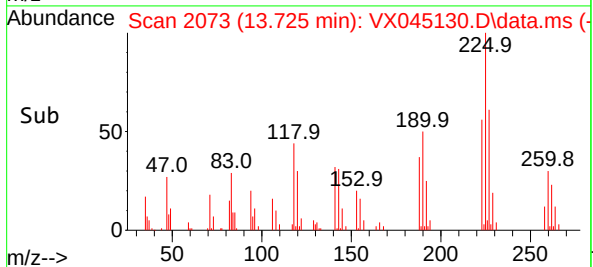
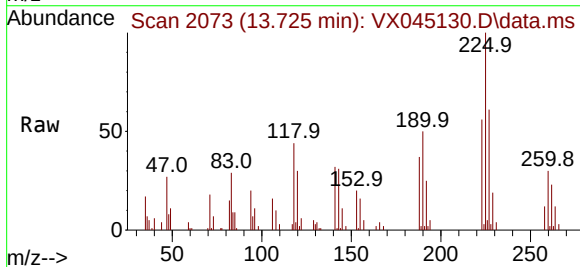
Manual Integrations
APPROVED

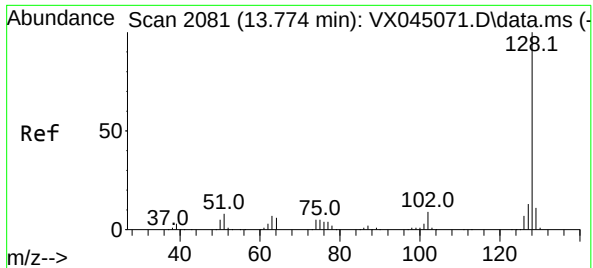
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#94
Hexachlorobutadiene
Concen: 18.359 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

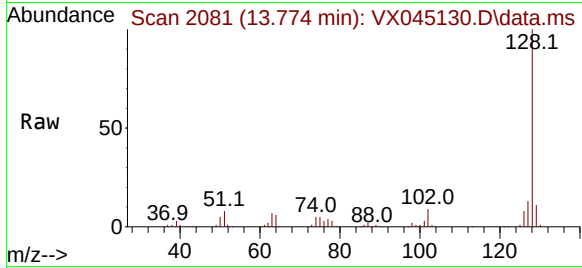
Tgt Ion:225 Resp: 9699
Ion Ratio Lower Upper
225 100
223 62.0 31.9 95.7
227 63.7 31.4 94.0





#95
Naphthalene
Concen: 18.028 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

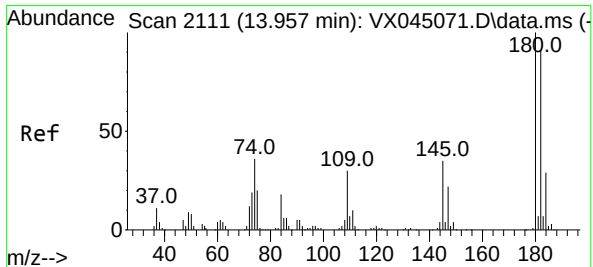
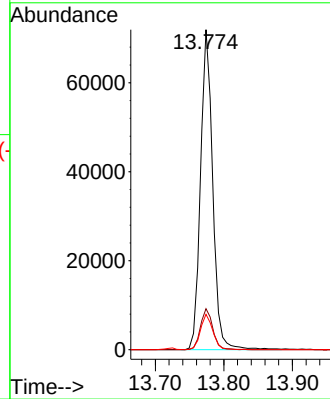
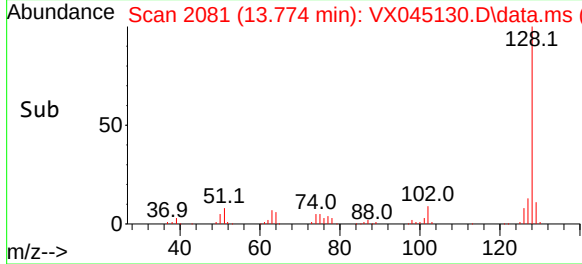
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01



Tgt Ion:128 Resp: 8925
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.2 8.7 13.1

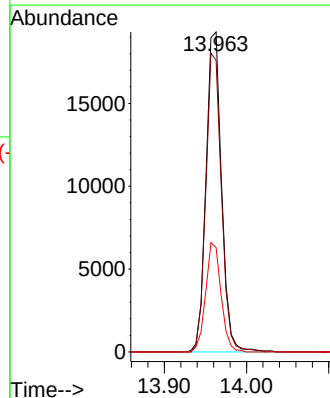
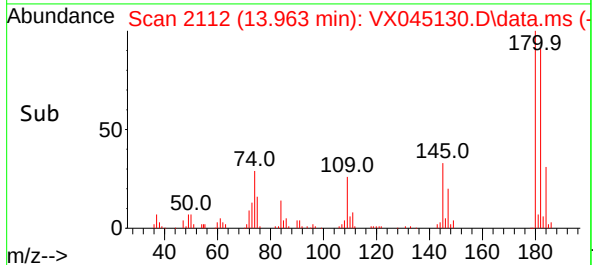
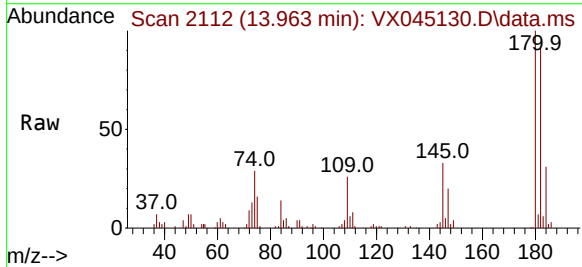
Manual Integrations
APPROVED

Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.688 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045130.D
Acq: 05 Mar 2025 10:26

Tgt Ion:180 Resp: 25405
Ion Ratio Lower Upper
180 100
182 93.8 47.5 142.6
145 33.8 17.0 50.9



Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	VX0305WBSD01	SDG No.:	Q1478
Lab Sample ID:	VX0305WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045135.D	1		03/05/25 12:26	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.4		0.21	1.00	ug/L
74-87-3	Chloromethane	19.1		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	18.1		0.34	1.00	ug/L
74-83-9	Bromomethane	17.8		1.40	5.00	ug/L
75-00-3	Chloroethane	16.0		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.6		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.3		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.1		0.26	1.00	ug/L
67-64-1	Acetone	92.8		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	15.9		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.3		0.16	1.00	ug/L
79-20-9	Methyl Acetate	20.6		0.60	1.00	ug/L
75-09-2	Methylene Chloride	19.1		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.9		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.6		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.9		1.60	5.00	ug/L
78-93-3	2-Butanone	100		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.1		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.7		0.25	1.00	ug/L
74-97-5	Bromochloromethane	22.2		0.18	1.00	ug/L
67-66-3	Chloroform	19.3		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.0		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	21.1		0.19	1.00	ug/L
71-43-2	Benzene	19.8		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.6		0.24	1.00	ug/L
79-01-6	Trichloroethene	18.5		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.4		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	18.6		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	5.00	ug/L
108-88-3	Toluene	20.7		0.18	1.00	ug/L

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	VX0305WBSD01	SDG No.:	Q1478
Lab Sample ID:	VX0305WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045135.D	1		03/05/25 12:26	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.9		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.6		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.9		0.21	1.00	ug/L
591-78-6	2-Hexanone	100		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	18.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.0		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.8		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.5		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	20.0		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	41.6		0.31	2.00	ug/L
95-47-6	o-Xylene	19.9		0.14	1.00	ug/L
100-42-5	Styrene	20.1		0.16	1.00	ug/L
75-25-2	Bromoform	17.2		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	20.2		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.5		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.3		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.7		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.2		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.4		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.1		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	51.1		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	104000	5.55			
540-36-3	1,4-Difluorobenzene	189000	6.757			
3114-55-4	Chlorobenzene-d5	168000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	73600	12.018			

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site # D3868221	Date Received:	
Client Sample ID:	VX0305WBSD01	SDG No.:	Q1478
Lab Sample ID:	VX0305WBSD01	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
VX045135.D	1		03/05/25 12:26	VX030525

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\VX030525\
 Data File : VX045135.D
 Acq On : 05 Mar 2025 12:26
 Operator : JC/MD
 Sample : VX0305WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0305WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/06/2025
 Supervised By : Mahesh Dadoda 03/06/2025

Quant Time: Mar 06 01:03:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	104383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	188951	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	167692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	73577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81831	49.285	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.560%		
35) Dibromofluoromethane	5.379	113	63872	50.553	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.100%		
50) Toluene-d8	8.647	98	233974	51.080	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.160%		
62) 4-Bromofluorobenzene	11.079	95	77651	51.159	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	102.320%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	25554	19.448	ug/l	97
3) Chloromethane	1.307	50	30784	19.145	ug/l	97
4) Vinyl Chloride	1.374	62	28793	18.050	ug/l	98
5) Bromomethane	1.593	94	11190	17.845	ug/l	99
6) Chloroethane	1.660	64	11751	15.971	ug/l	94
7) Trichlorofluoromethane	1.867	101	39358	18.638	ug/l	97
8) Diethyl Ether	2.136	74	14681	17.775	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	24600	20.277	ug/l	97
10) Methyl Iodide	2.441	142	29395	19.388	ug/l	99
11) Tert butyl alcohol	2.995	59	25231	80.226	ug/l	99
12) 1,1-Dichloroethene	2.306	96	24479	19.085	ug/l	99
13) Acrolein	2.239	56	35220	96.877	ug/l	98
14) Allyl chloride	2.654	41	44437	19.463	ug/l	100
15) Acrylonitrile	3.068	53	83639	99.228	ug/l	100
16) Acetone	2.392	43	71451	92.750	ug/l	98
17) Carbon Disulfide	2.502	76	54326	15.902	ug/l	99
18) Methyl Acetate	2.703	43	38148	20.585	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	83186	19.331	ug/l	100
20) Methylene Chloride	2.782	84	29184	19.125	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	25202	19.888	ug/l	95
22) Diisopropyl ether	3.763	45	92306	19.879	ug/l	94
23) Vinyl Acetate	3.721	43	369150	95.265	ug/l	99
24) 1,1-Dichloroethane	3.605	63	50888	19.555	ug/l	99
25) 2-Butanone	4.568	43	116702	100.642	ug/l	99
26) 2,2-Dichloropropane	4.471	77	31179	25.544	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	30742	19.653	ug/l	98
28) Bromochloromethane	4.897	49	27571	22.228	ug/l	100
29) Tetrahydrofuran	5.013	42	77400	99.394	ug/l	99
30) Chloroform	5.086	83	49949	19.317	ug/l	96
31) Cyclohexane	5.458	56	44911	19.881	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	39605	18.965	ug/l	100
36) 1,1-Dichloropropene	5.690	75	32570	18.797	ug/l	99
37) Ethyl Acetate	4.715	43	43509	19.487	ug/l	97
38) Carbon Tetrachloride	5.666	117	31758	18.053	ug/l	96
39) Methylcyclohexane	7.373	83	43836	21.114	ug/l	97
40) Benzene	6.031	78	108204	19.776	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
 Data File : VX045135.D
 Acq On : 05 Mar 2025 12:26
 Operator : JC/MD
 Sample : VX0305WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0305WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/06/2025
 Supervised By : Mahesh Dadoda 03/06/2025

Quant Time: Mar 06 01:03:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	23219	19.233	ug/l	94
42) 1,2-Dichloroethane	6.086	62	38564	19.573	ug/l	98
43) Isopropyl Acetate	6.342	43	63481	19.228	ug/l	100
44) Trichloroethene	7.123	130	23788	18.515	ug/l	98
45) 1,2-Dichloropropane	7.427	63	27303	19.408	ug/l	100
46) Dibromomethane	7.580	93	19632	19.744	ug/l	99
47) Bromodichloromethane	7.818	83	36222	18.572	ug/l	100
48) Methyl methacrylate	7.696	41	31784	19.189	ug/l	98
49) 1,4-Dioxane	7.671	88	14405	412.289	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	223880	100.992	ug/l	100
52) Toluene	8.714	92	66524	20.722	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	30810	18.896	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	37343	19.640	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	26275	19.881	ug/l	99
56) Ethyl methacrylate	9.116	69	38988	19.408	ug/l	99
57) 1,3-Dichloropropane	9.305	76	45852	20.048	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	93444	95.356	ug/l	97
59) 2-Hexanone	9.433	43	163225	101.624	ug/l	100
60) Dibromochloromethane	9.519	129	25594	18.522	ug/l	100
61) 1,2-Dibromoethane	9.610	107	25105	19.029	ug/l	99
64) Tetrachloroethene	9.269	164	21212	19.750	ug/l	91
65) Chlorobenzene	10.079	112	69220	19.508	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	21254	17.986	ug/l	99
67) Ethyl Benzene	10.195	91	123682	20.004	ug/l	99
68) m/p-Xylenes	10.299	106	94216	41.627	ug/l	98
69) o-Xylene	10.640	106	45390	19.884	ug/l	100
70) Styrene	10.652	104	74263	20.106	ug/l	99
71) Bromoform	10.799	173	15338	17.213	ug/l #	98
73) Isopropylbenzene	10.963	105	116043	20.206	ug/l	100
74) N-amyl acetate	10.841	43	50887	18.884	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	41049	19.478	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	35831m	20.923	ug/l	
77) Bromobenzene	11.195	156	27194	20.069	ug/l	97
78) n-propylbenzene	11.305	91	132188	20.376	ug/l	100
79) 2-Chlorotoluene	11.366	91	81676	19.769	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	96161	20.708	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	8063	16.113	ug/l #	82
82) 4-Chlorotoluene	11.451	91	90278	20.049	ug/l	99
83) tert-Butylbenzene	11.713	119	93664	19.631	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	95237	20.383	ug/l	99
85) sec-Butylbenzene	11.890	105	117932	20.635	ug/l	99
86) p-Isopropyltoluene	12.006	119	96010	20.787	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	48977	20.262	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	48188	19.705	ug/l	97
89) n-Butylbenzene	12.329	91	82412	20.717	ug/l	100
90) Hexachloroethane	12.536	117	13810	16.531	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	49011	20.212	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7544	18.375	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	27569	19.967	ug/l	99
94) Hexachlorobutadiene	13.725	225	11329	20.014	ug/l	96
95) Naphthalene	13.774	128	108208	20.398	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	29345	20.147	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045135.D
Acq On : 05 Mar 2025 12:26
Operator : JC/MD
Sample : VX0305WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

Quant Time: Mar 06 01:03:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

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

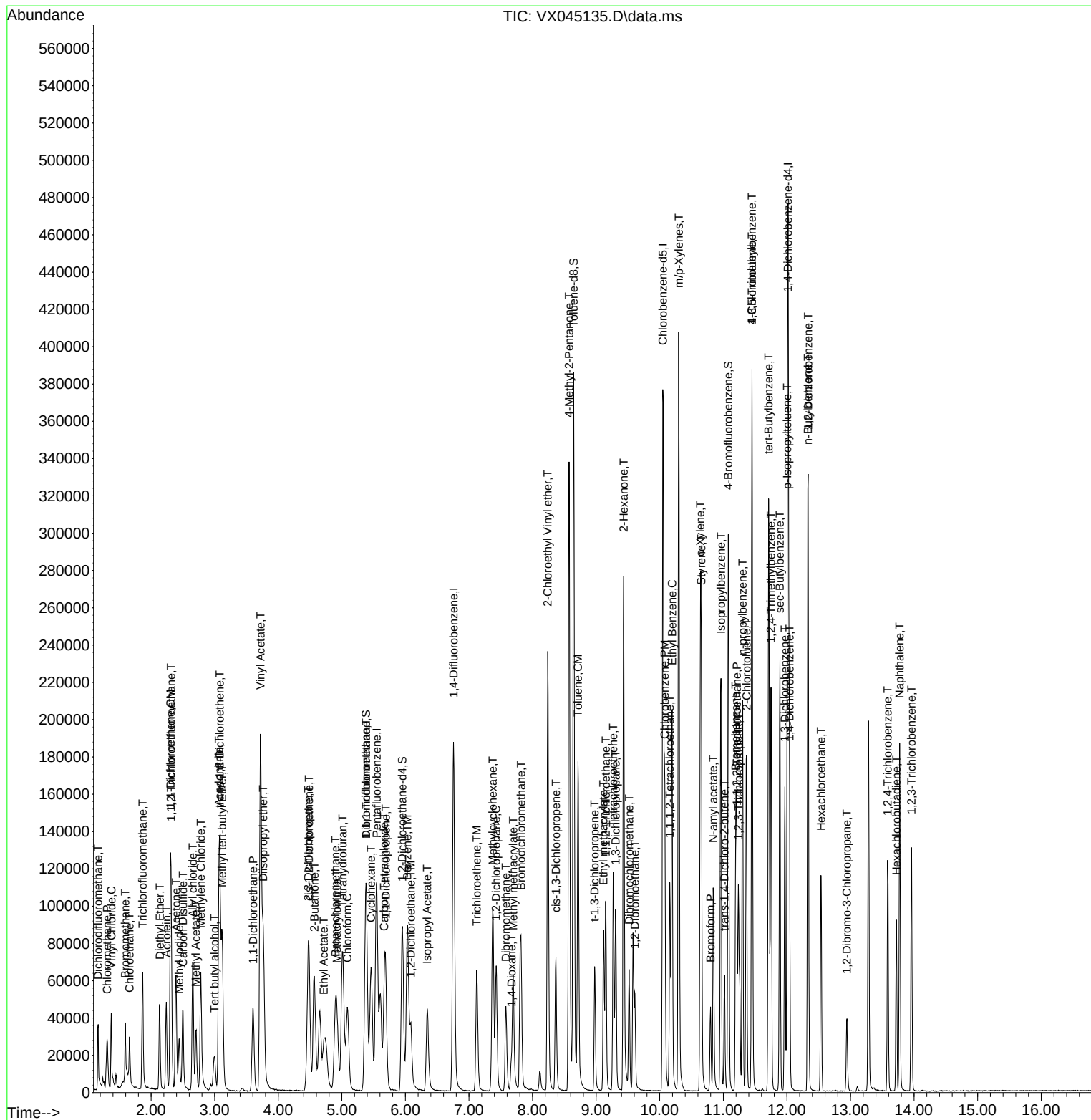
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Acq On    : 05 Mar 2025 12:26
Operator  : JC/MD
Sample    : VX0305WBSD01
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 10 Sample Multiplier: 1
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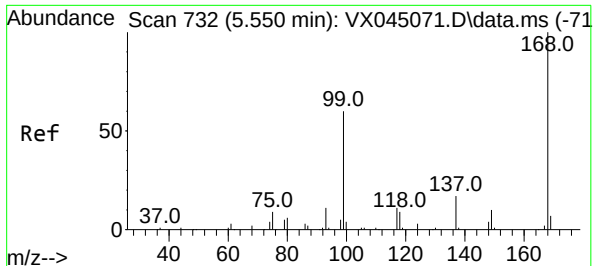
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

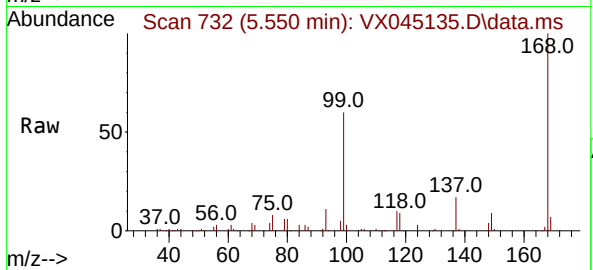
Quant Time: Mar 06 01:03:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

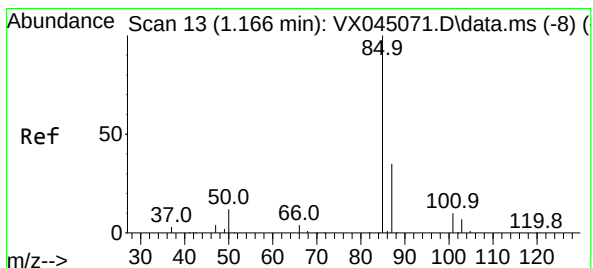
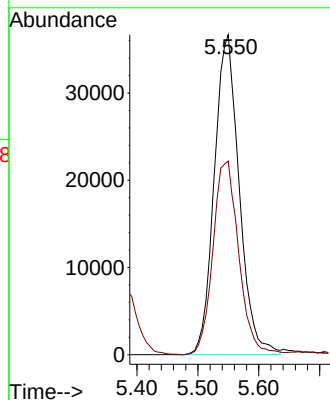
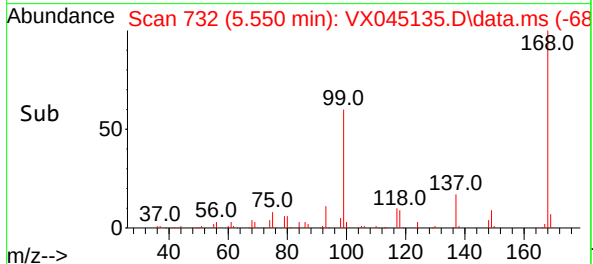
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01



Tgt Ion:168 Resp: 10438
Ion Ratio Lower Upper
168 100
99 60.5 48.2 72.4

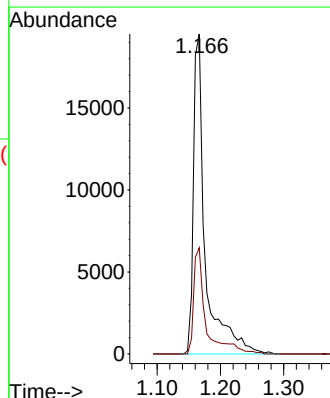
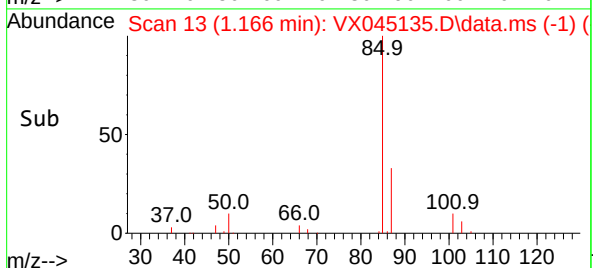
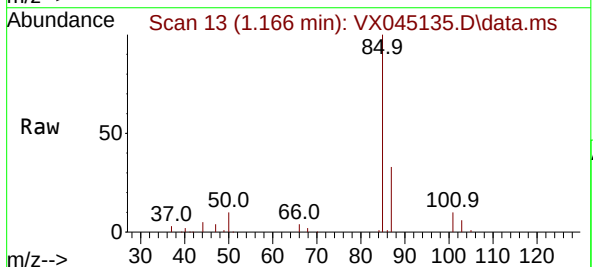
Manual Integrations
APPROVED

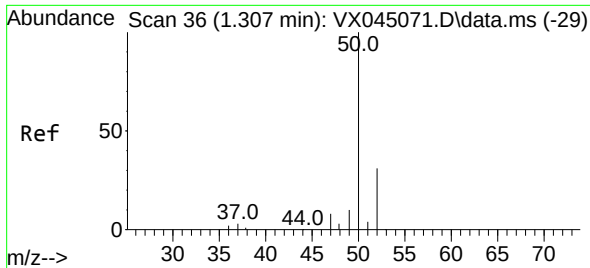
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#2
Dichlorodifluoromethane
Concen: 19.448 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 85 Resp: 25554
Ion Ratio Lower Upper
85 100
87 33.2 17.4 52.3





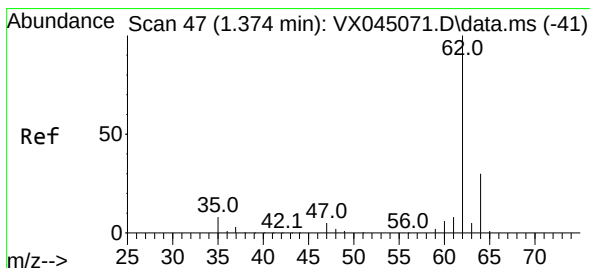
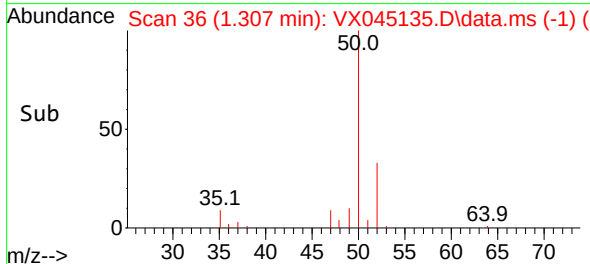
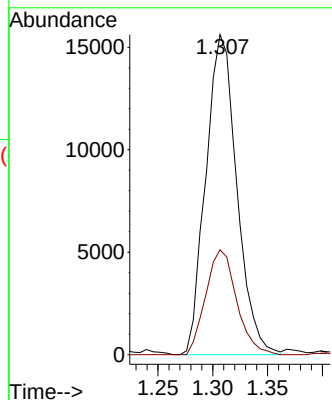
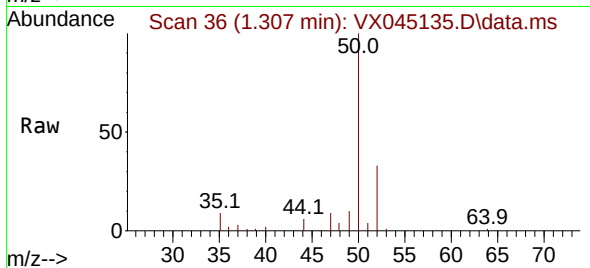
#3
Chloromethane
Concen: 19.145 ug/l
RT: 1.307 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Tgt Ion: 50 Resp: 30784
Ion Ratio Lower Upper
50 100
52 32.8 25.0 37.4

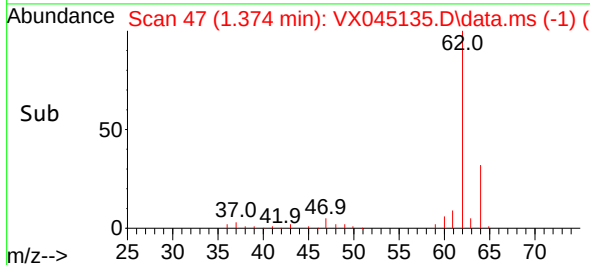
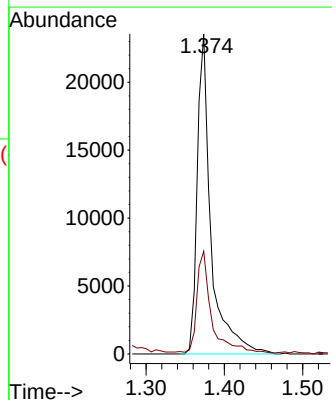
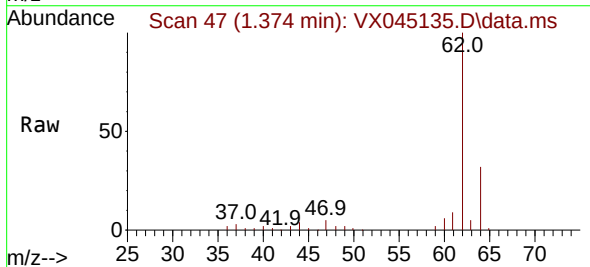
Manual Integrations
APPROVED

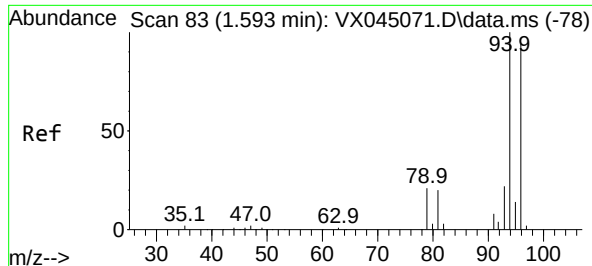
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#4
Vinyl Chloride
Concen: 18.050 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

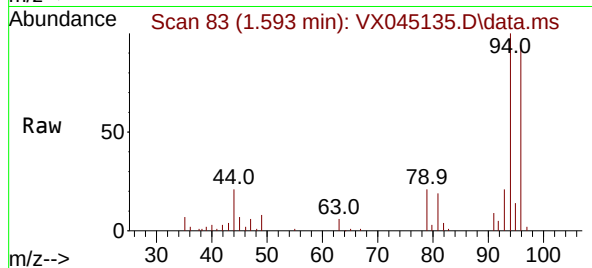
Tgt Ion: 62 Resp: 28793
Ion Ratio Lower Upper
62 100
64 31.6 24.3 36.5





#5
Bromomethane
Concen: 17.845 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

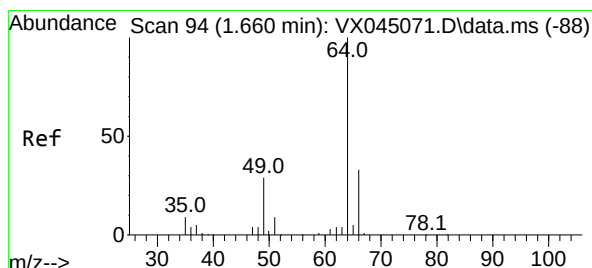
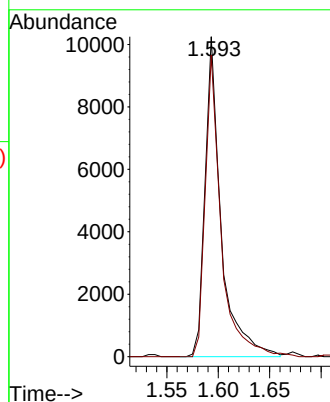
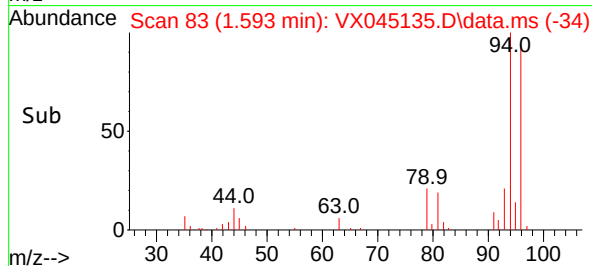
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01



Tgt Ion: 94 Resp: 11190
Ion Ratio Lower Upper
94 100
96 94.3 75.0 112.4

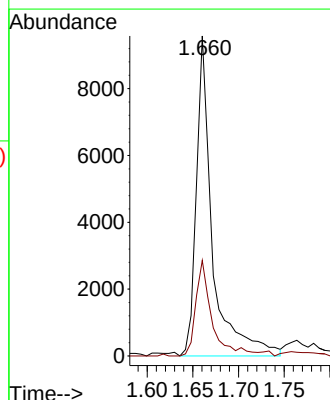
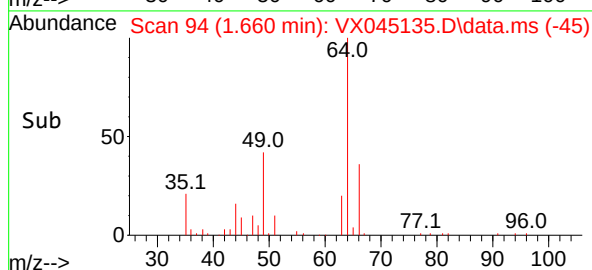
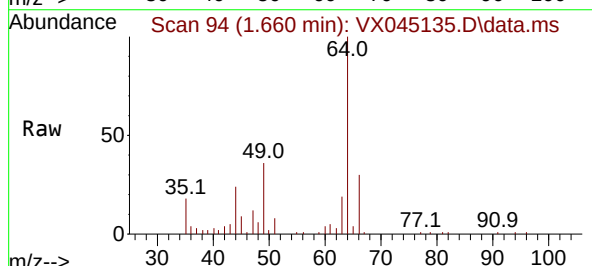
Manual Integrations
APPROVED

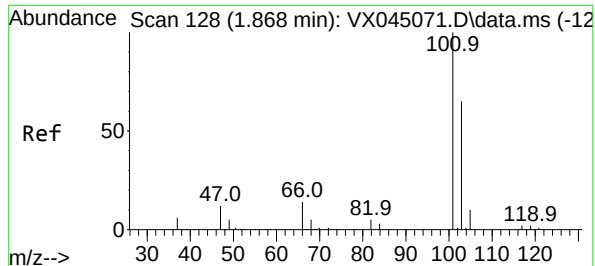
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#6
Chloroethane
Concen: 15.971 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

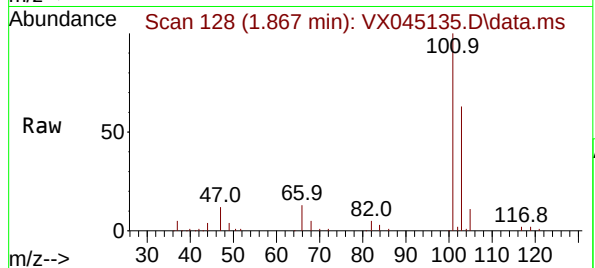
Tgt Ion: 64 Resp: 11751
Ion Ratio Lower Upper
64 100
66 29.9 26.7 40.1





#7
 Trichlorofluoromethane
 Concen: 18.638 ug/l
 RT: 1.867 min Scan# 101
 Delta R.T. -0.000 min
 Lab File: VX045135.D
 Acq: 05 Mar 2025 12:26

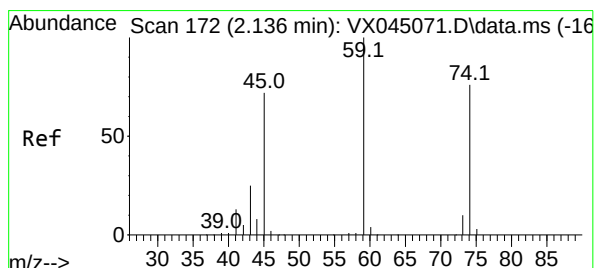
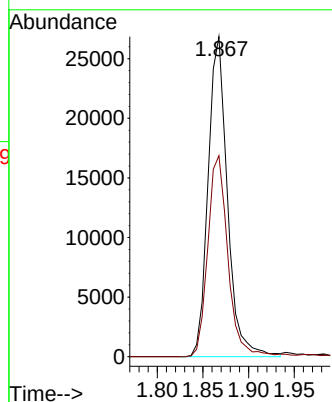
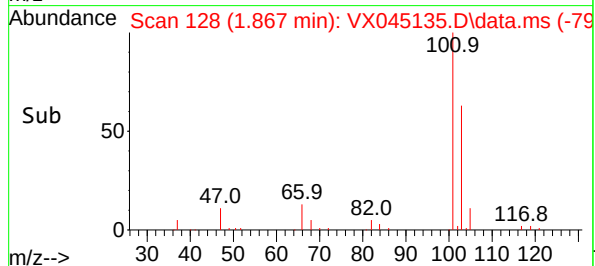
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0305WBSD01



Tgt Ion:101 Resp: 39358
 Ion Ratio Lower Upper
 101 100
 103 62.8 52.1 78.1

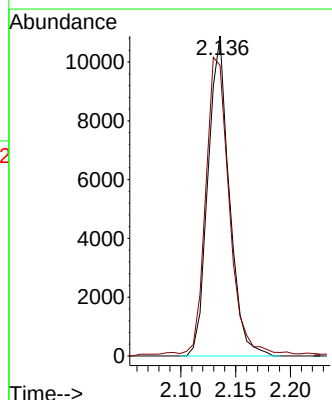
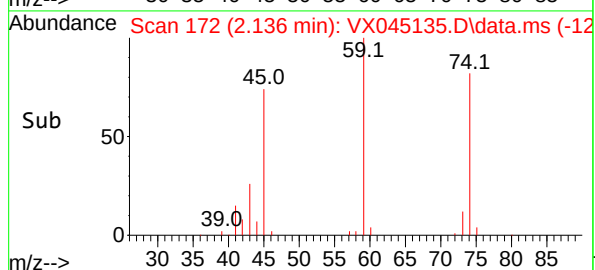
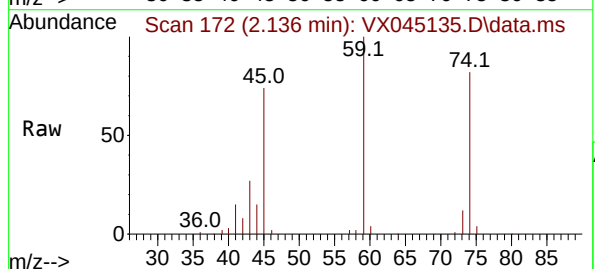
Manual Integrations
 APPROVED

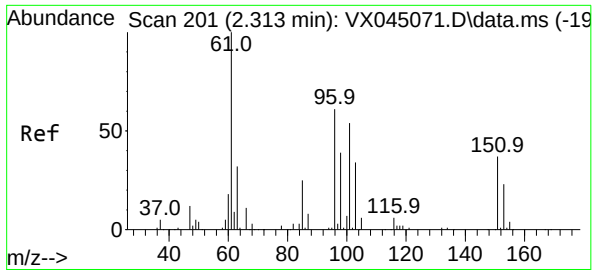
Reviewed By :John Carlone 03/06/2025
 Supervised By :Mahesh Dadoda 03/06/2025



#8
 Diethyl Ether
 Concen: 17.775 ug/l
 RT: 2.136 min Scan# 172
 Delta R.T. -0.000 min
 Lab File: VX045135.D
 Acq: 05 Mar 2025 12:26

Tgt Ion: 74 Resp: 14681
 Ion Ratio Lower Upper
 74 100
 45 105.9 51.5 154.5





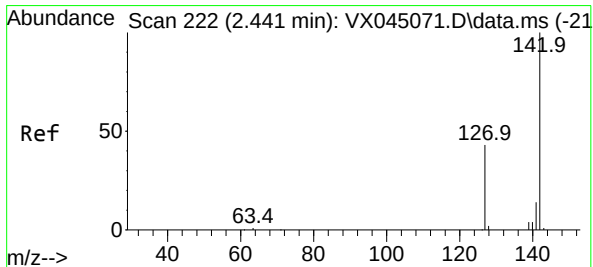
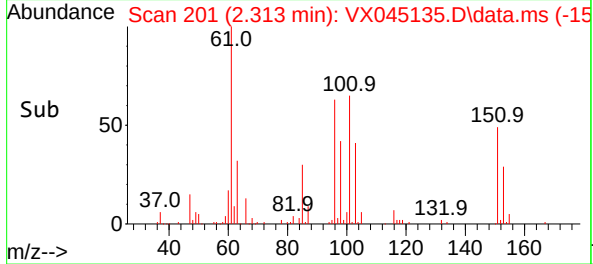
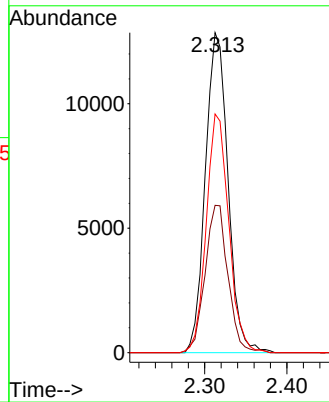
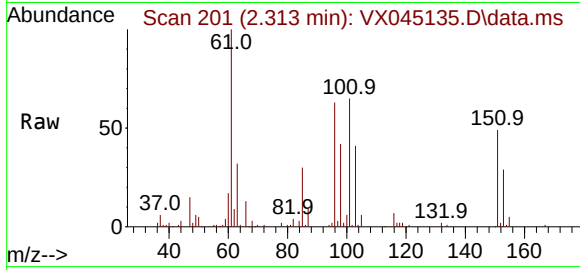
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.277 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Tgt Ion:101 Resp: 24600
Ion Ratio Lower Upper
101 100
85 46.6 36.2 54.4
151 74.1 56.4 84.6

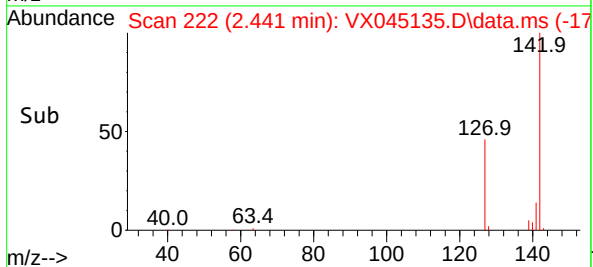
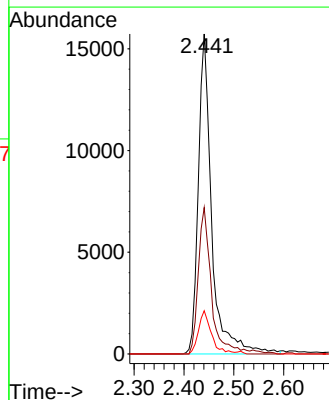
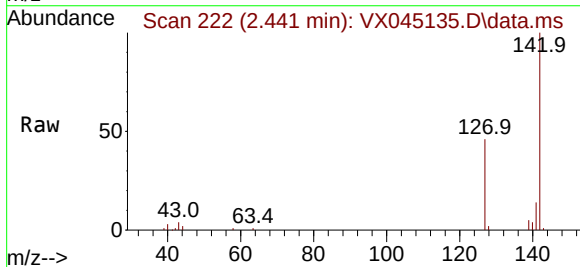
Manual Integrations
APPROVED

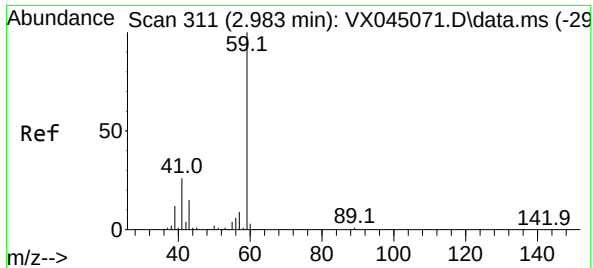
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#10
Methyl Iodide
Concen: 19.388 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:142 Resp: 29395
Ion Ratio Lower Upper
142 100
127 44.5 35.4 53.2
141 13.0 11.6 17.4





#11

Tert butyl alcohol

Concen: 80.226 ug/l

RT: 2.995 min Scan# 311

Delta R.T. 0.012 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBSD01

Tgt Ion: 59 Resp: 2523

Ion Ratio Lower Upper

59 100

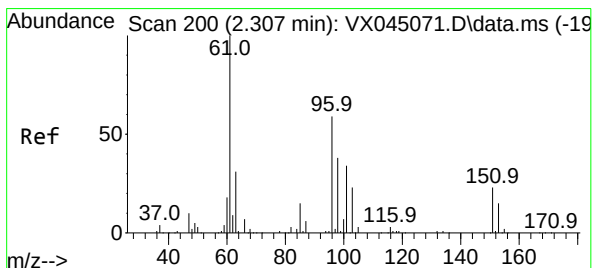
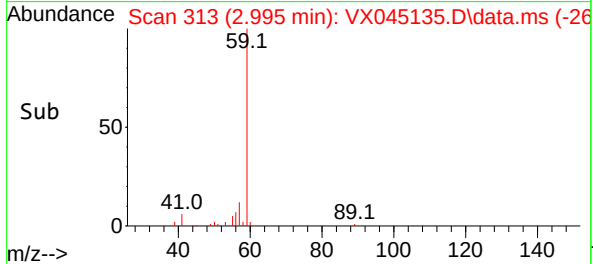
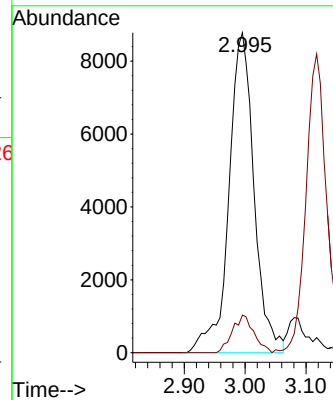
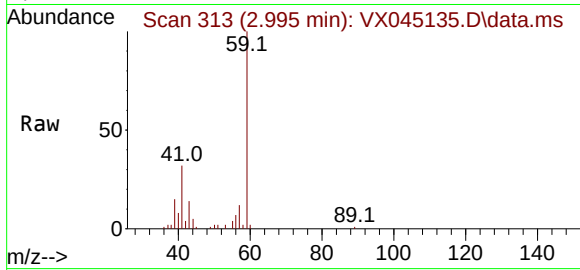
57 10.0 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#12

1,1-Dichloroethene

Concen: 19.085 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

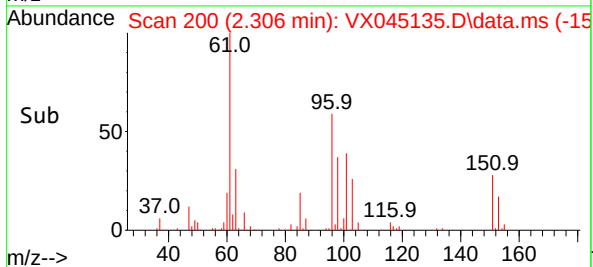
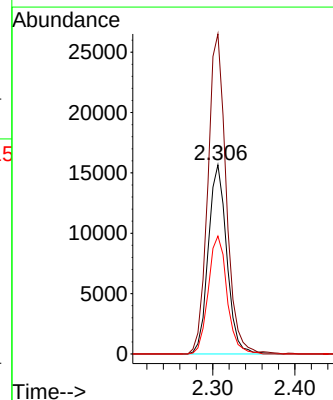
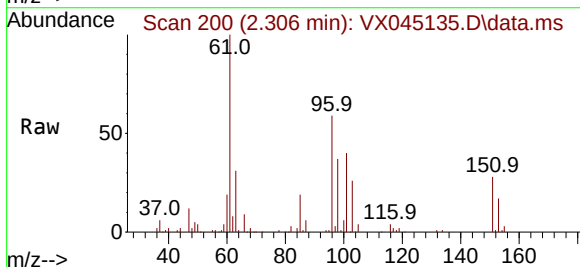
Tgt Ion: 96 Resp: 24479

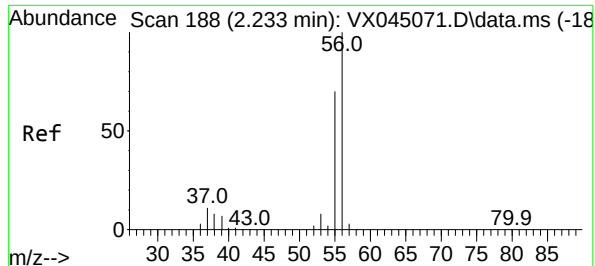
Ion Ratio Lower Upper

96 100

61 169.2 134.6 202.0

98 62.4 51.0 76.6





#13

Acrolein

Concen: 96.877 ug/l

RT: 2.239 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBSD01

Tgt Ion: 56 Resp: 35220

Ion Ratio Lower Upper

56 100

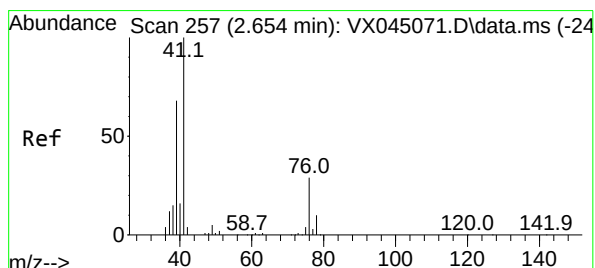
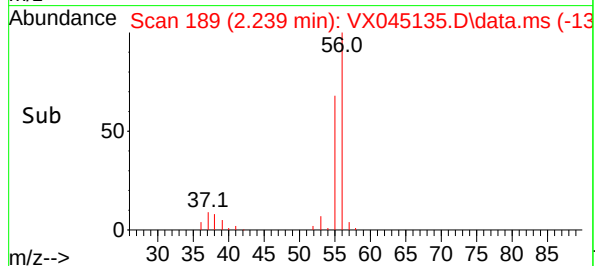
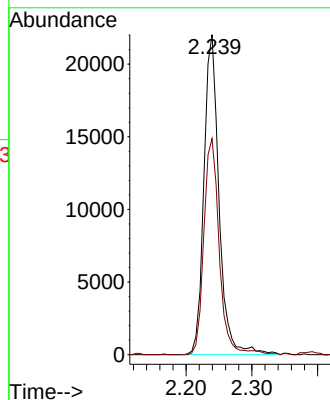
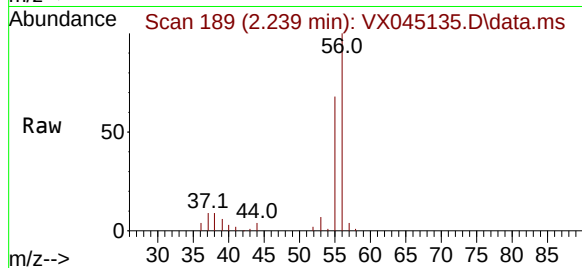
55 68.8 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#14

Allyl chloride

Concen: 19.463 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

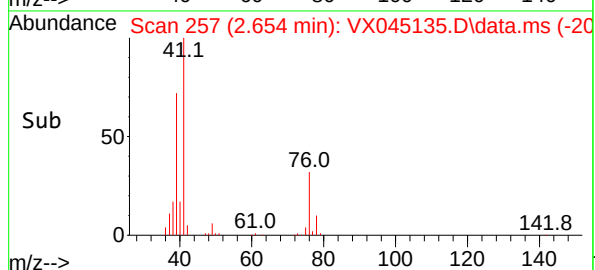
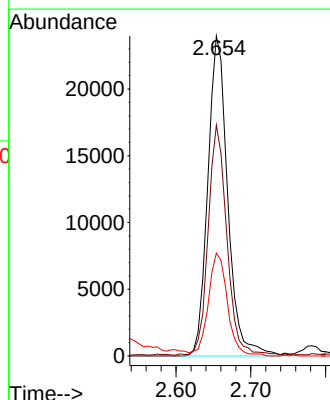
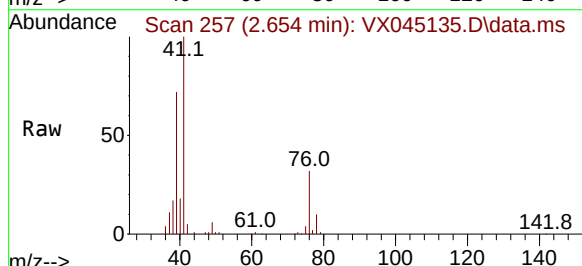
Tgt Ion: 41 Resp: 44437

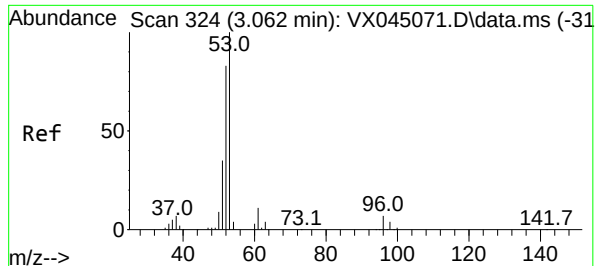
Ion Ratio Lower Upper

41 100

39 67.3 53.8 80.8

76 30.9 25.2 37.8





#15

Acrylonitrile

Concen: 99.228 ug/l

RT: 3.068 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBSD01

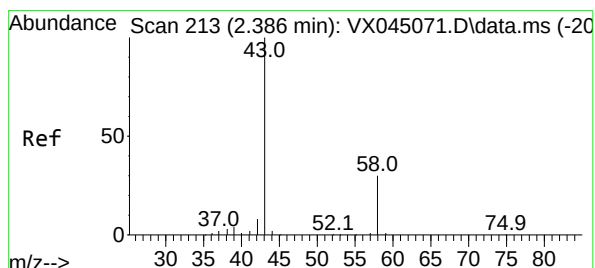
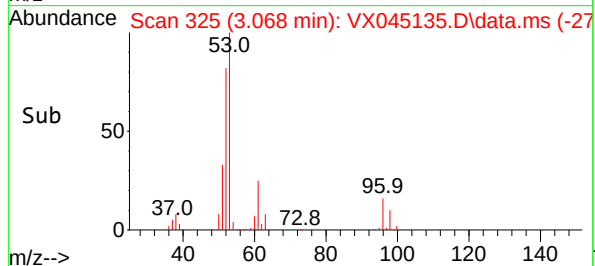
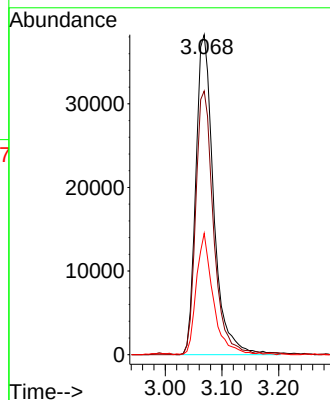
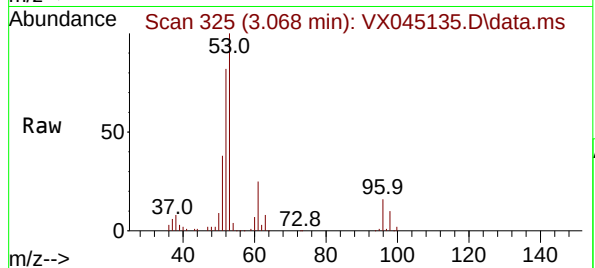
Tgt Ion:	53	Resp:	83639
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.2
51	36.2	29.0	43.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#16

Acetone

Concen: 92.750 ug/l

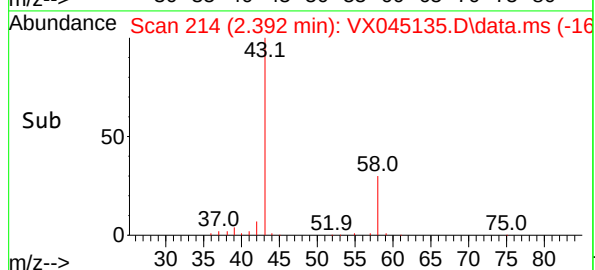
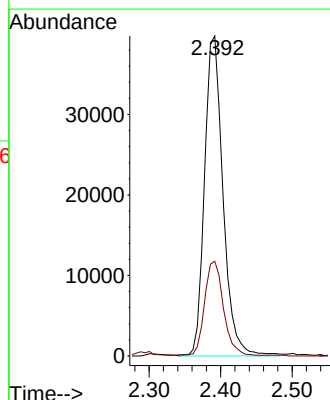
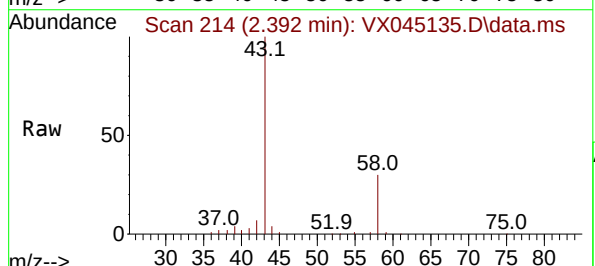
RT: 2.392 min Scan# 214

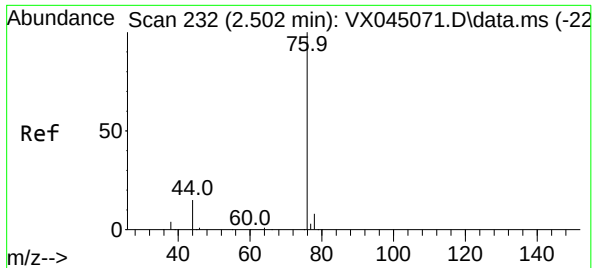
Delta R.T. 0.006 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

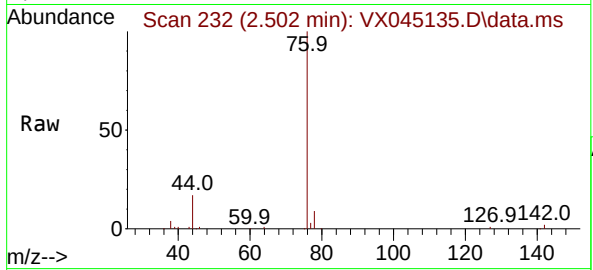
Tgt Ion:	43	Resp:	71451
Ion	Ratio	Lower	Upper
43	100		
58	29.3	24.2	36.4





#17
Carbon Disulfide
Concen: 15.902 ug/l
RT: 2.502 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

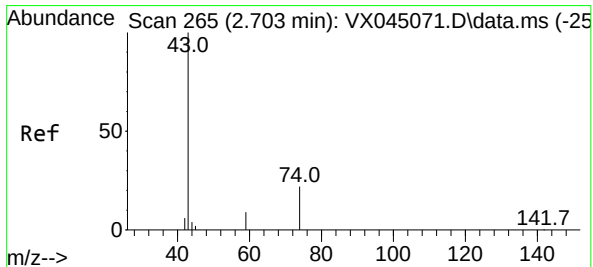
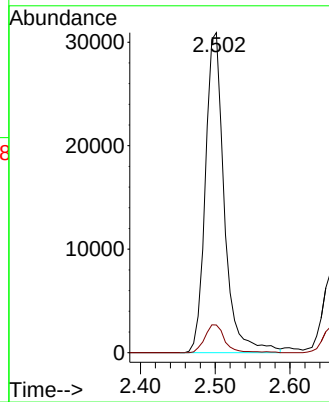
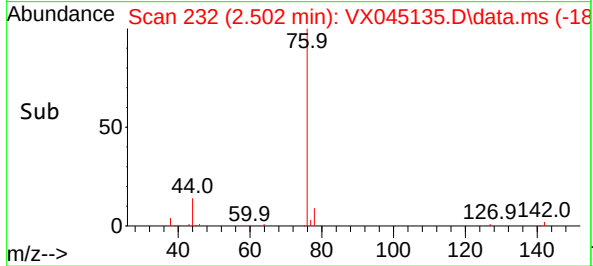
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01



Tgt Ion: 76 Resp: 54320
Ion Ratio Lower Upper
76 100
78 8.6 6.6 9.8

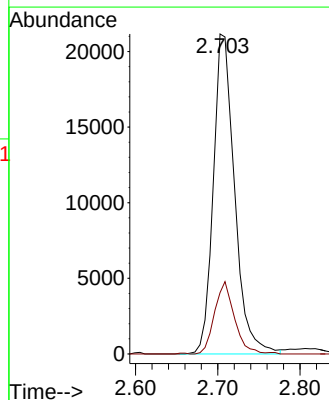
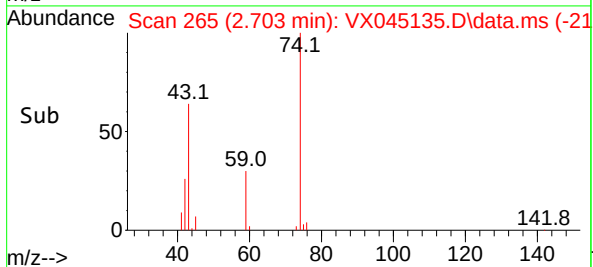
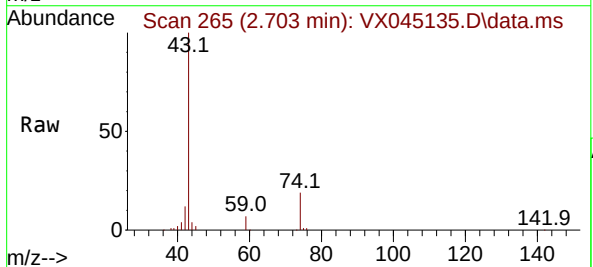
Manual Integrations
APPROVED

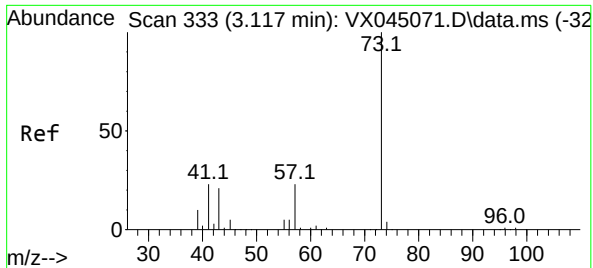
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#18
Methyl Acetate
Concen: 20.585 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 43 Resp: 38148
Ion Ratio Lower Upper
43 100
74 21.2 17.4 26.2





#19

Methyl tert-butyl Ether

Concen: 19.331 ug/l

RT: 3.117 min Scan# 333

Delta R.T. -0.000 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBSD01

Tgt Ion: 73 Resp: 8318

Ion Ratio Lower Upper

73 100

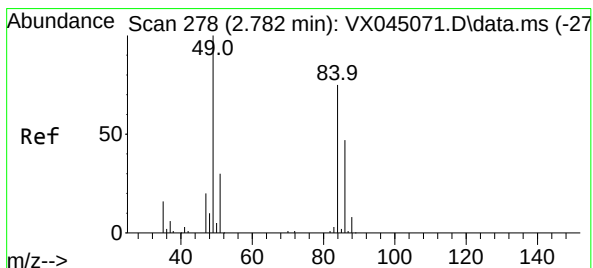
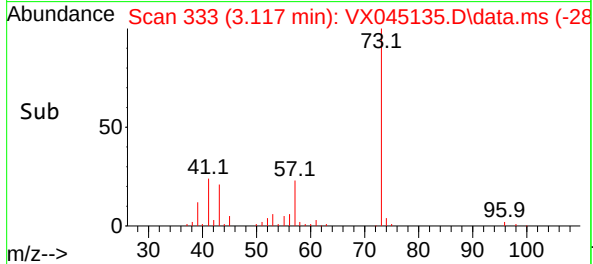
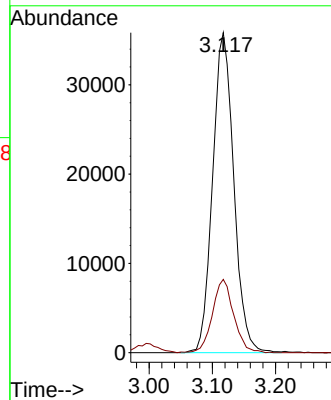
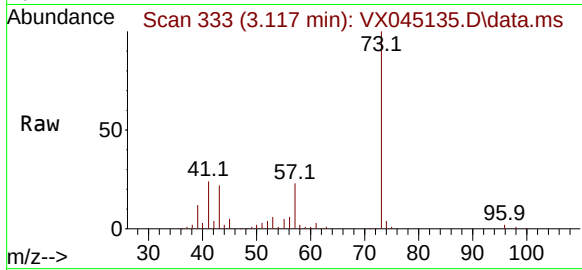
57 22.9 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#20

Methylene Chloride

Concen: 19.125 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Tgt Ion: 84 Resp: 29184

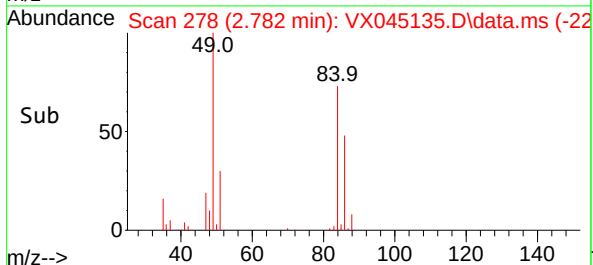
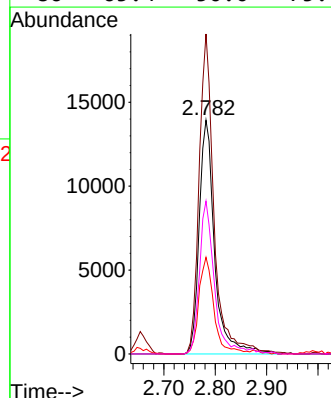
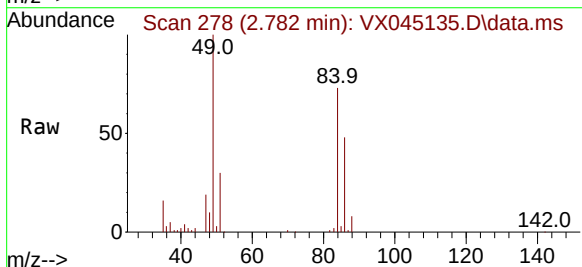
Ion Ratio Lower Upper

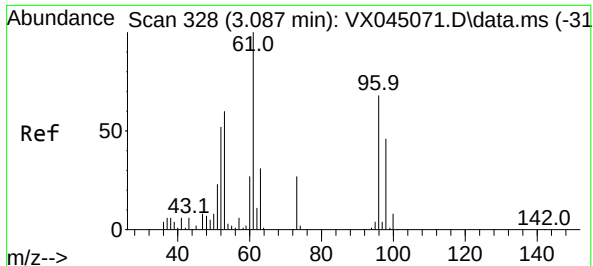
84 100

49 136.9 106.5 159.7

51 41.4 32.1 48.1

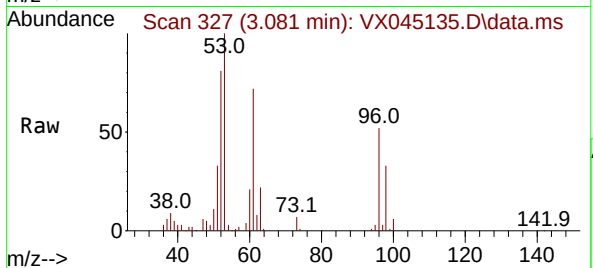
86 65.4 50.0 75.0





#21
trans-1,2-Dichloroethene
Concen: 19.888 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

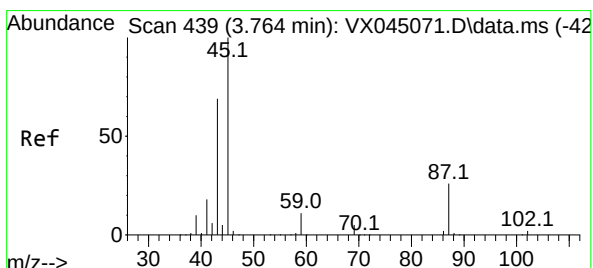
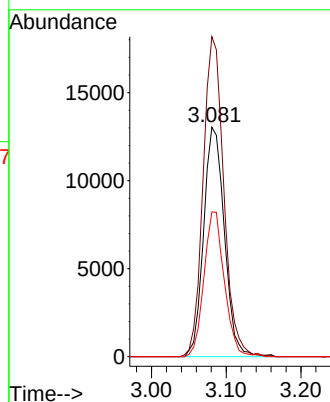
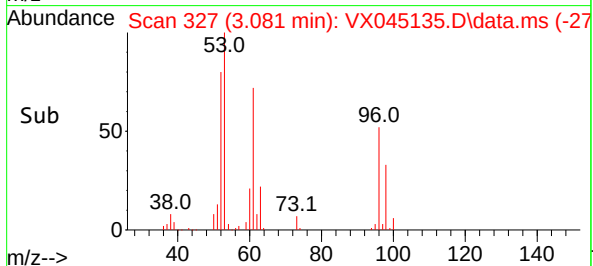
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01



Tgt Ion: 96 Resp: 2520
Ion Ratio Lower Upper
96 100
61 139.5 117.0 175.4
98 63.1 53.4 80.2

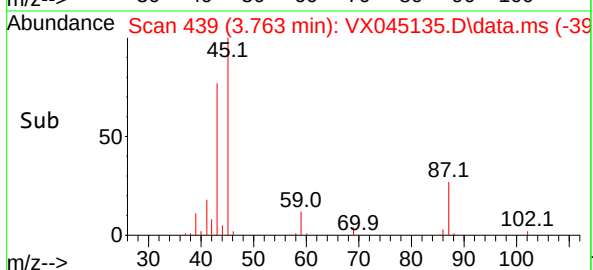
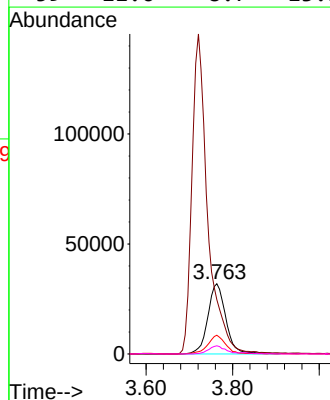
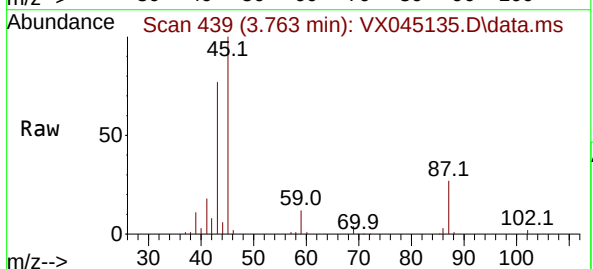
Manual Integrations
APPROVED

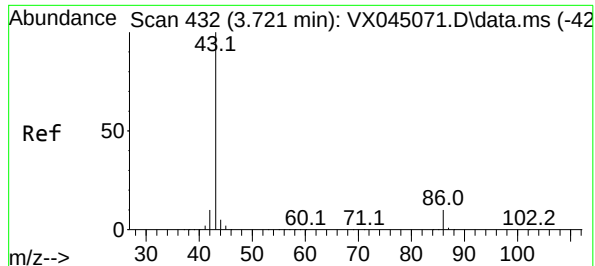
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#22
Diisopropyl ether
Concen: 19.879 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 45 Resp: 92306
Ion Ratio Lower Upper
45 100
43 76.2 54.9 82.3
87 26.6 21.0 31.4
59 11.6 8.7 13.1





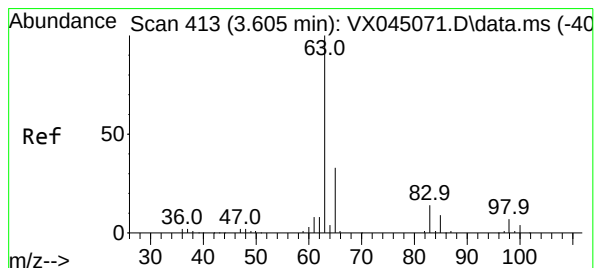
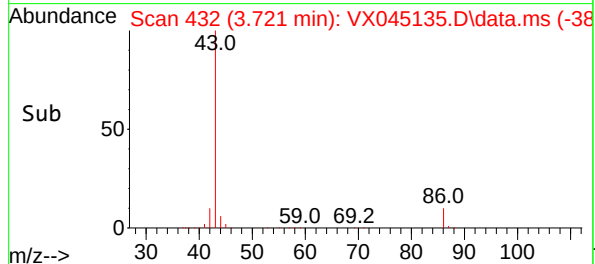
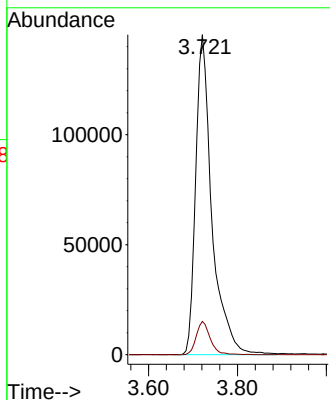
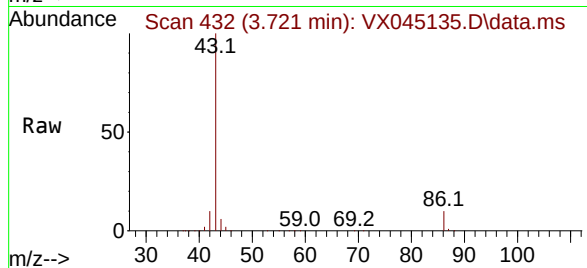
#23
Vinyl Acetate
Concen: 95.265 ug/l
RT: 3.721 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Tgt Ion: 43 Resp: 369150
Ion Ratio Lower Upper
43 100
86 10.4 8.1 12.1

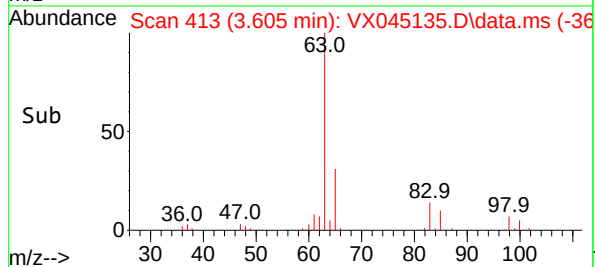
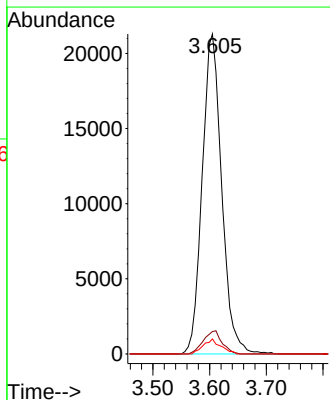
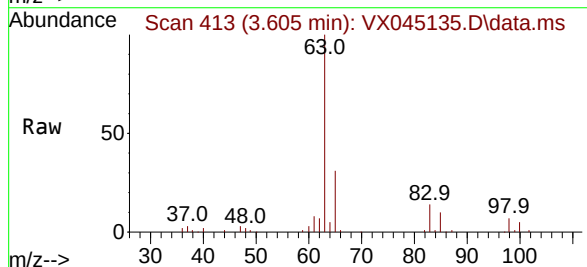
Manual Integrations
APPROVED

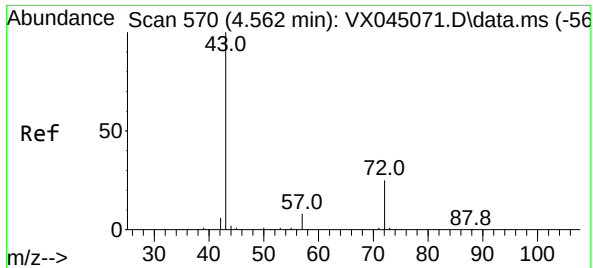
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#24
1,1-Dichloroethane
Concen: 19.555 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 63 Resp: 50888
Ion Ratio Lower Upper
63 100
98 7.0 3.4 10.2
100 4.7 2.1 6.5





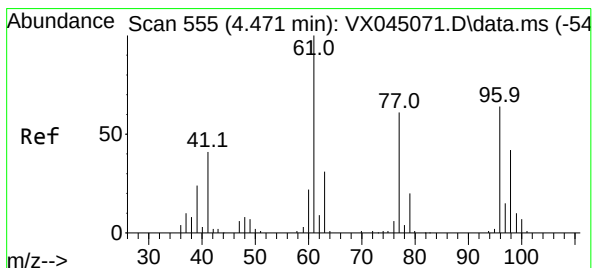
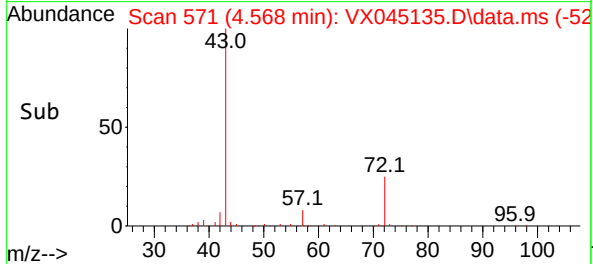
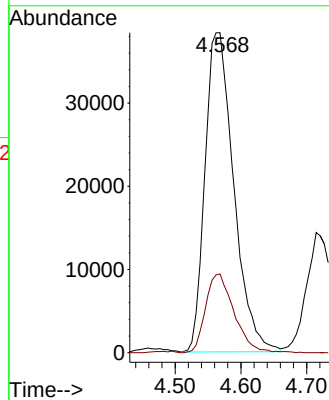
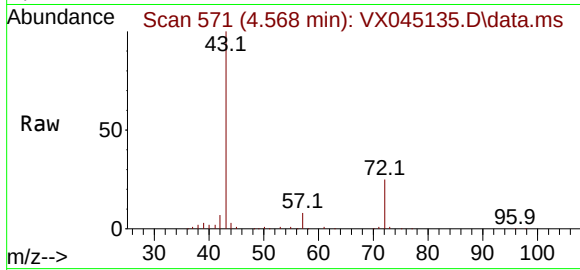
#25
2-Butanone
Concen: 100.642 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Tgt Ion: 43 Resp: 11670
Ion Ratio Lower Upper
43 100
72 24.7 20.0 30.0

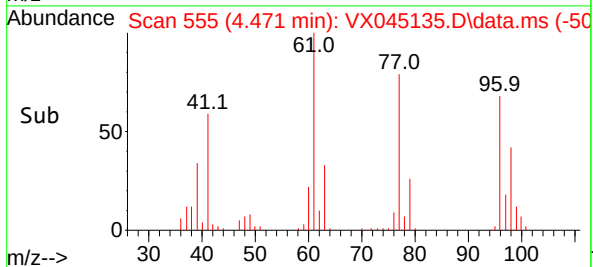
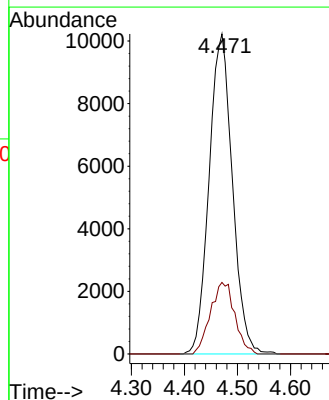
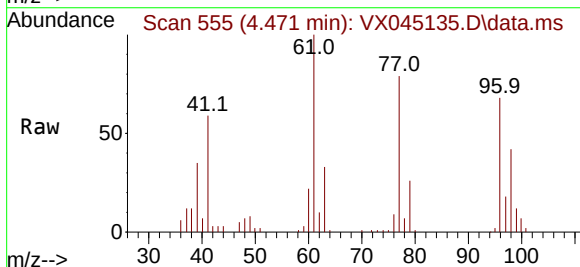
Manual Integrations
APPROVED

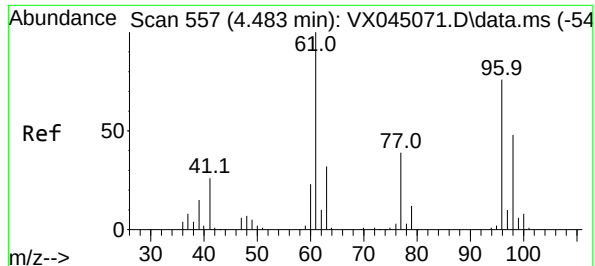
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#26
2,2-Dichloropropane
Concen: 25.544 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 77 Resp: 31179
Ion Ratio Lower Upper
77 100
97 23.4 12.4 37.0





#27

cis-1,2-Dichloroethene

Concen: 19.653 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.000 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBSD01

Tgt Ion: 96 Resp: 3074

Ion Ratio Lower Upper

96 100

61 145.2 0.0 283.2

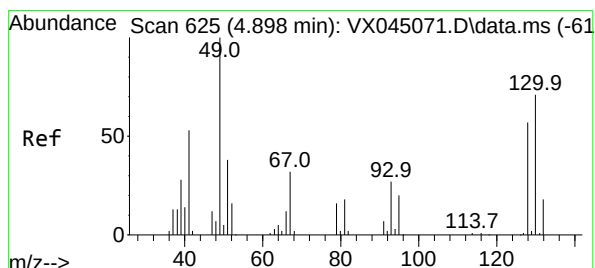
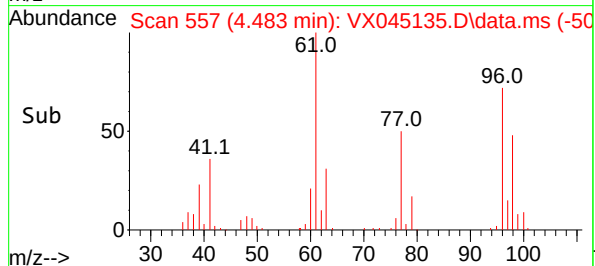
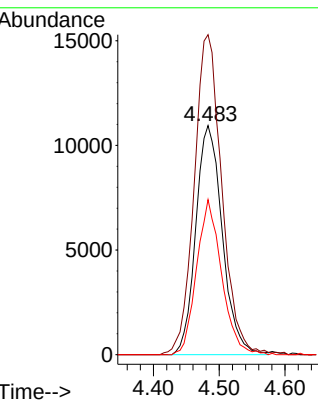
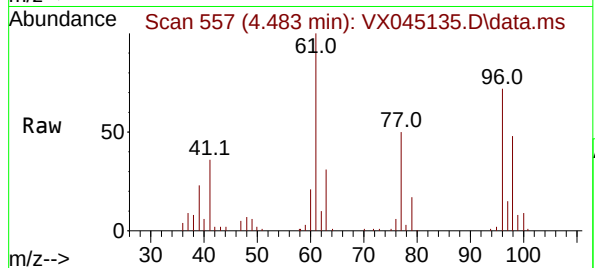
98 63.8 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#28

Bromochloromethane

Concen: 22.228 ug/l

RT: 4.897 min Scan# 625

Delta R.T. -0.000 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

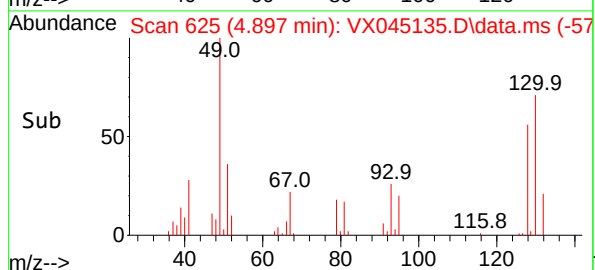
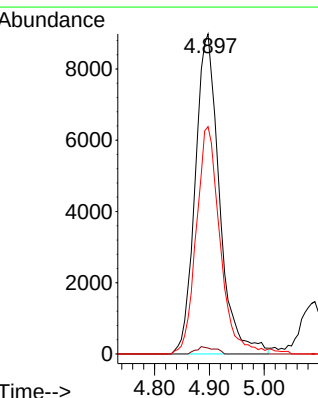
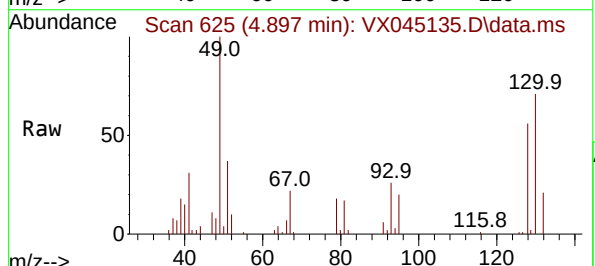
Tgt Ion: 49 Resp: 27571

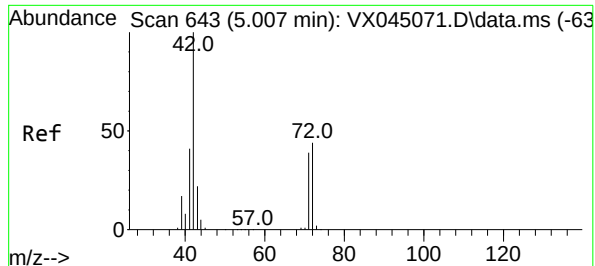
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.4

130 70.2 56.1 84.1





#29

Tetrahydrofuran

Concen: 99.394 ug/l

RT: 5.013 min Scan# 643

Delta R.T. 0.006 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBSD01

Tgt Ion: 42 Resp: 77400

Ion Ratio Lower Upper

42 100

72 42.1 34.1 51.1

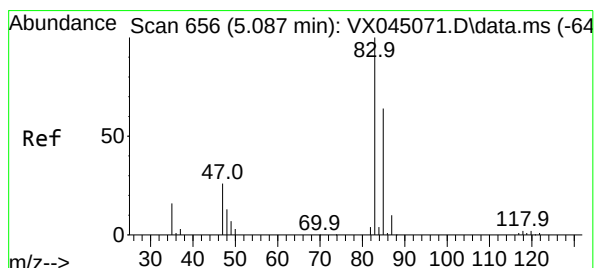
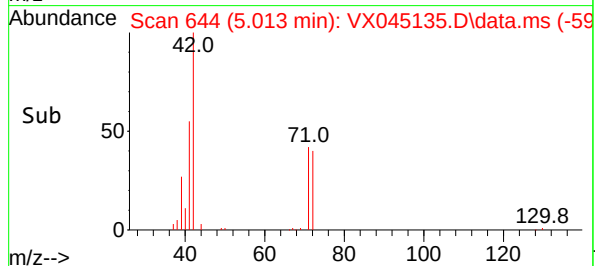
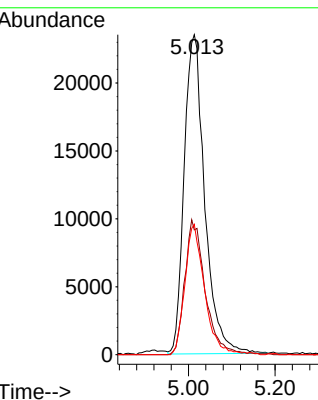
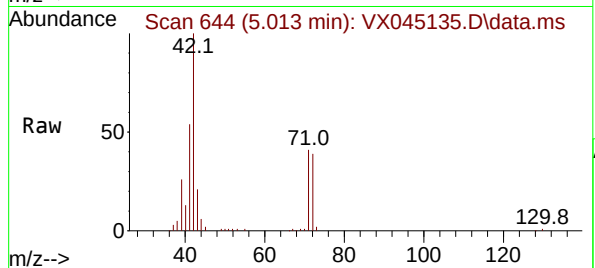
71 38.8 31.4 47.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#30

Chloroform

Concen: 19.317 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.000 min

Lab File: VX045135.D

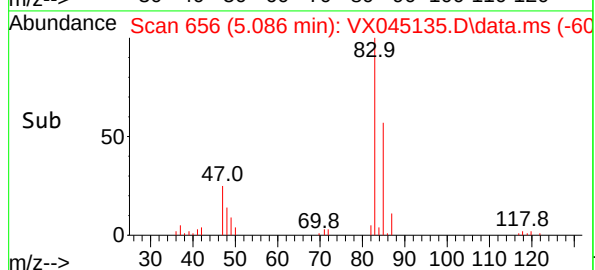
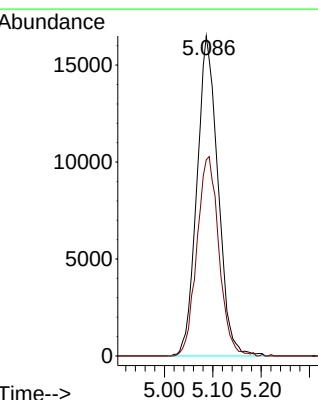
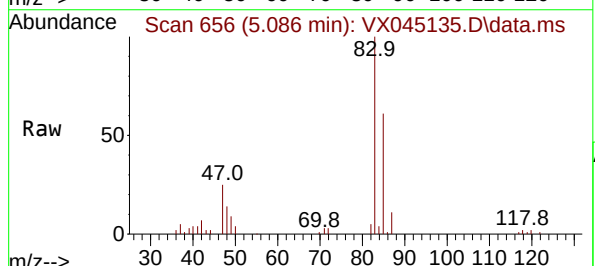
Acq: 05 Mar 2025 12:26

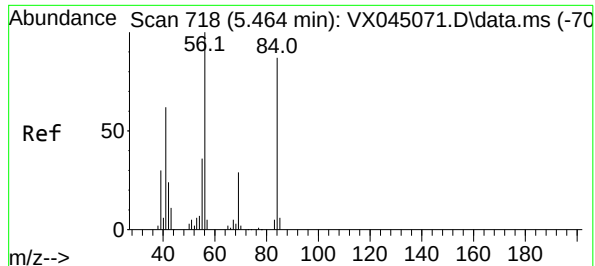
Tgt Ion: 83 Resp: 49949

Ion Ratio Lower Upper

83 100

85 61.3 51.4 77.2





#31

Cyclohexane

Concen: 19.881 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.006 min

Lab File: VX045135.D

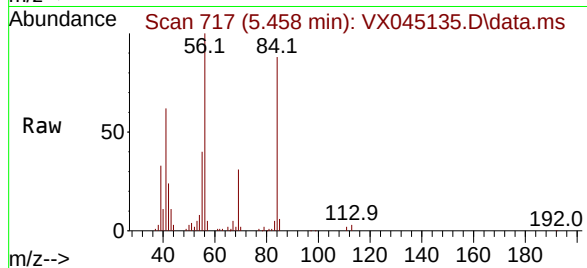
Acq: 05 Mar 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBSD01



Tgt Ion: 56 Resp: 4491

Ion Ratio Lower Upper

56 100

69 30.6 23.4 35.2

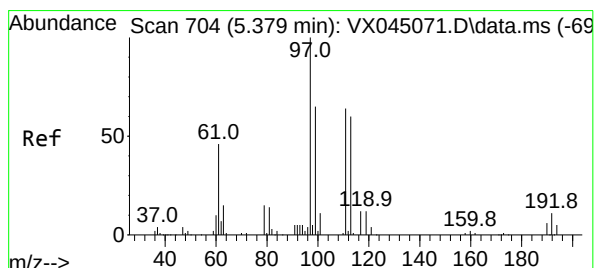
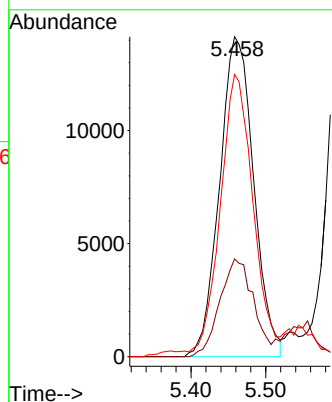
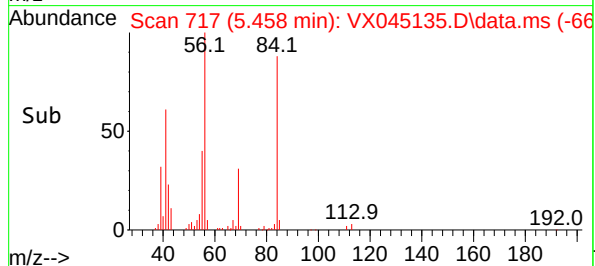
84 86.6 69.4 104.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#32

1,1,1-Trichloroethane

Concen: 18.965 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

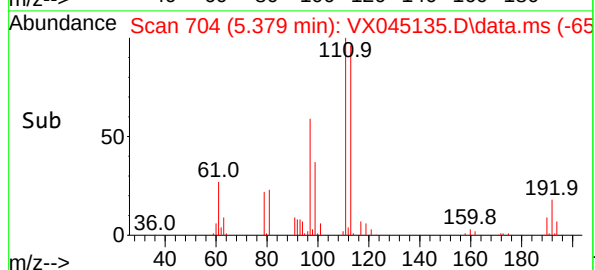
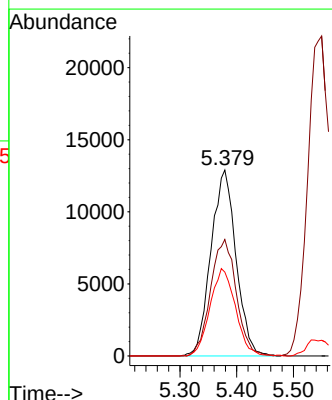
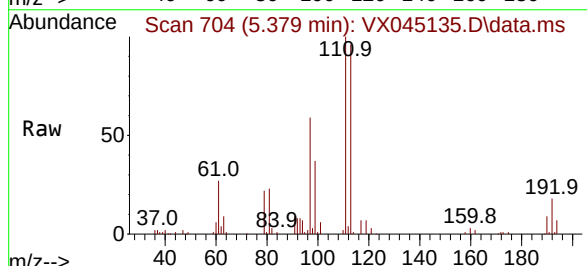
Tgt Ion: 97 Resp: 39605

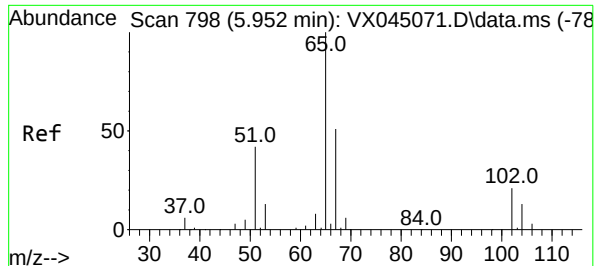
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 47.6 38.4 57.6





#33

1,2-Dichloroethane-d4

Concen: 49.285 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBSD01

Tgt Ion: 65 Resp: 8183

Ion Ratio Lower Upper

65 100

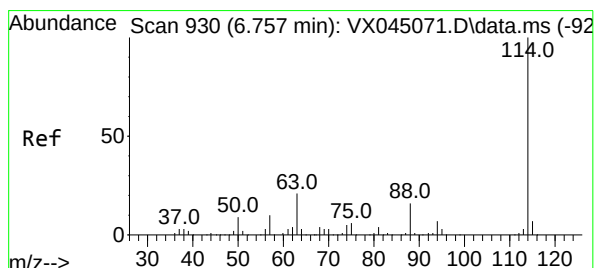
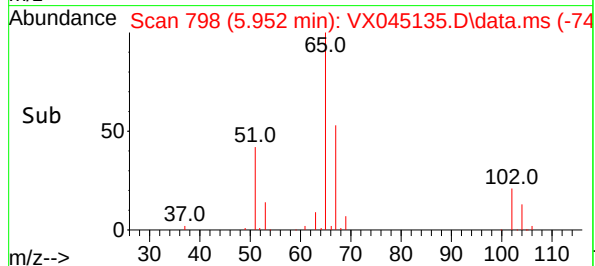
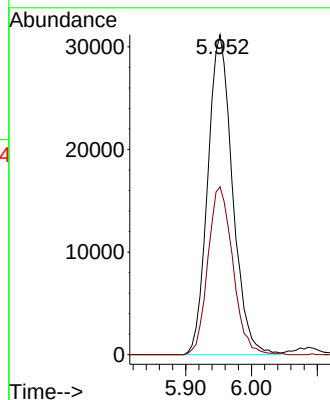
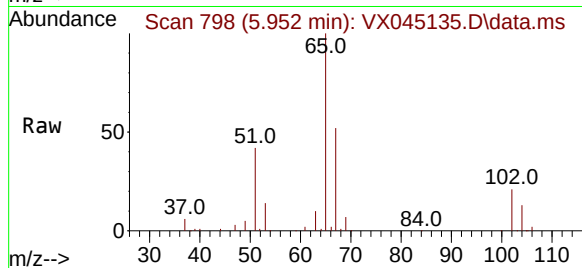
67 52.8 0.0 106.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

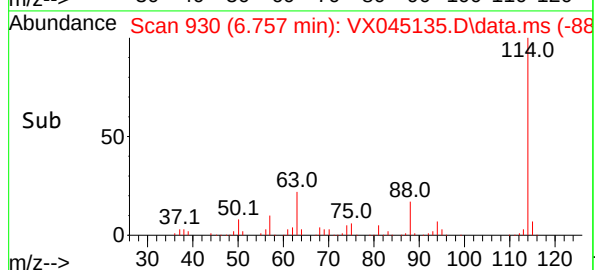
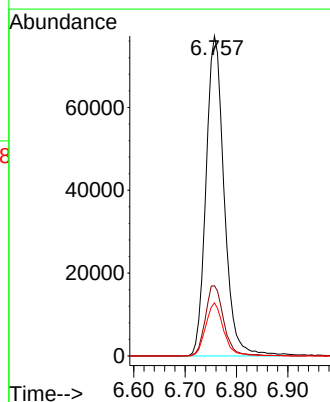
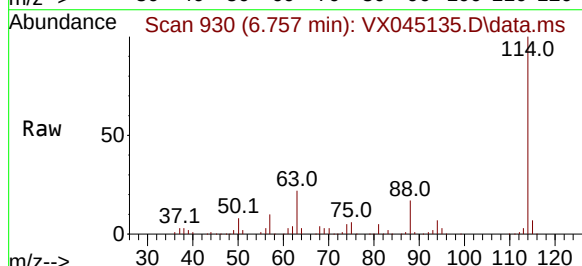
Tgt Ion:114 Resp: 188951

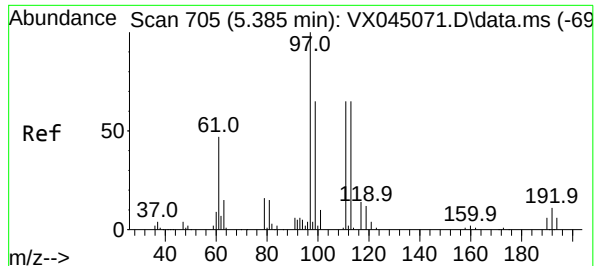
Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.8

88 16.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.553 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBSD01

Tgt Ion:113 Resp: 63872

Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.6

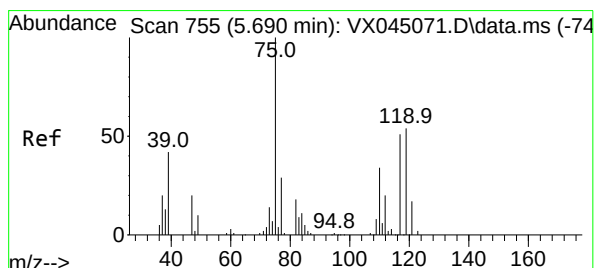
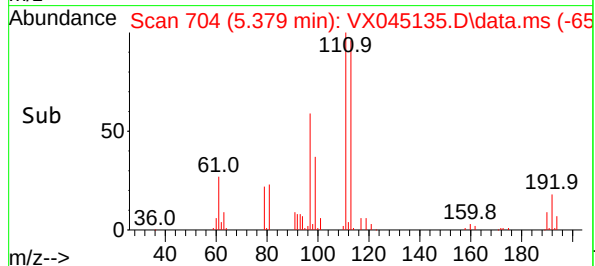
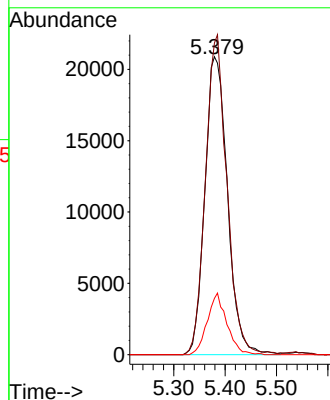
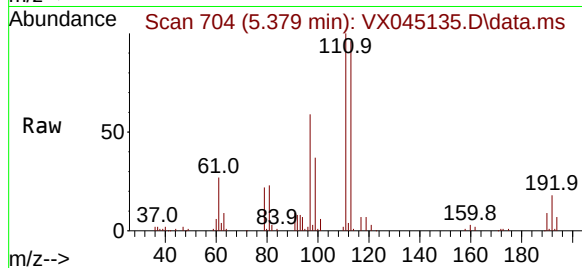
192 17.9 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#36

1,1-Dichloropropene

Concen: 18.797 ug/l

RT: 5.690 min Scan# 755

Delta R.T. -0.000 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

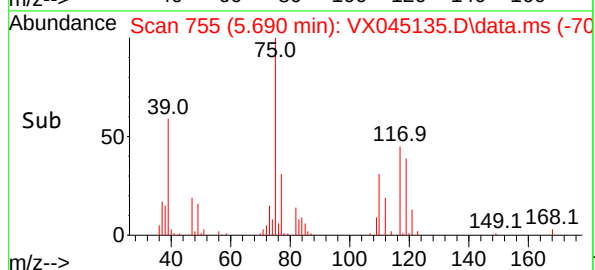
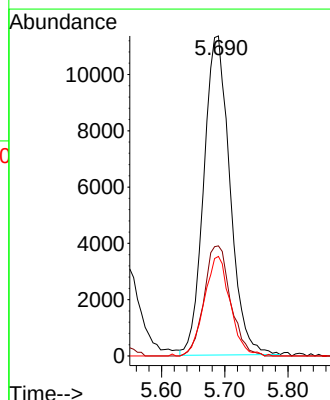
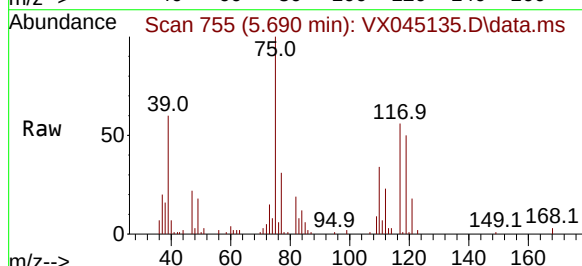
Tgt Ion: 75 Resp: 32570

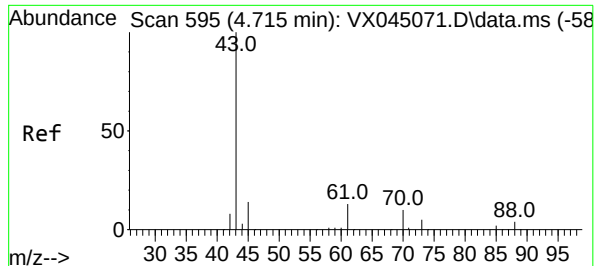
Ion Ratio Lower Upper

75 100

110 35.0 16.9 50.6

77 31.0 24.5 36.7





#37

Ethyl Acetate

Concen: 19.487 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBSD01

Tgt Ion: 43 Resp: 43509

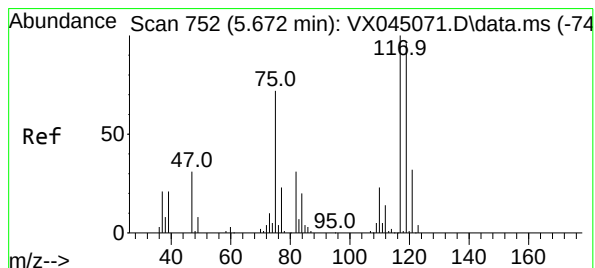
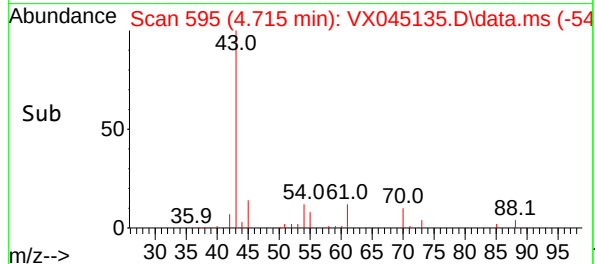
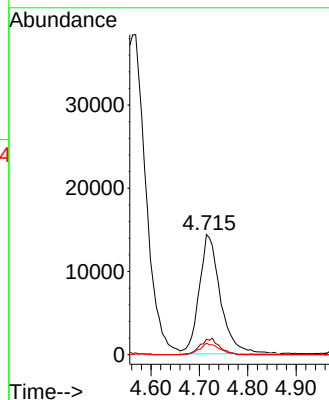
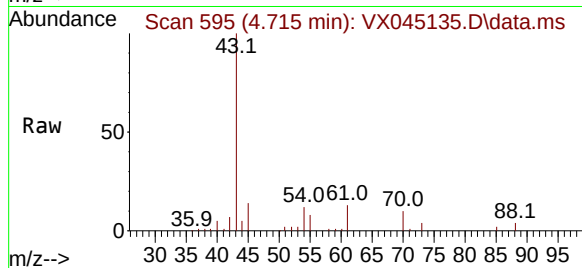
Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.8	16.2
70	8.7	7.7	11.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#38

Carbon Tetrachloride

Concen: 18.053 ug/l

RT: 5.666 min Scan# 751

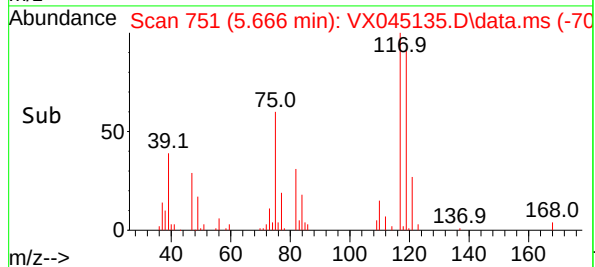
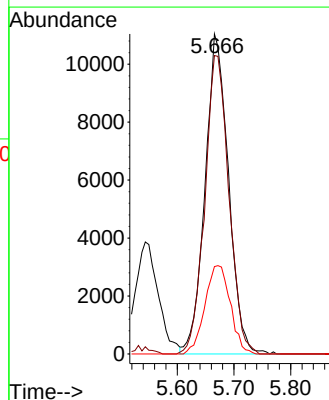
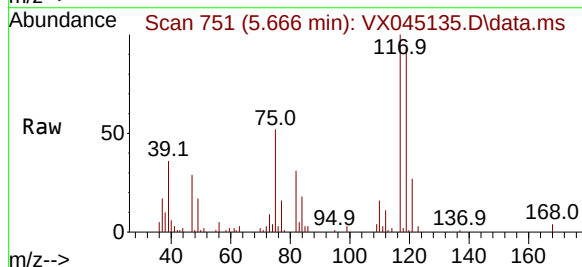
Delta R.T. -0.006 min

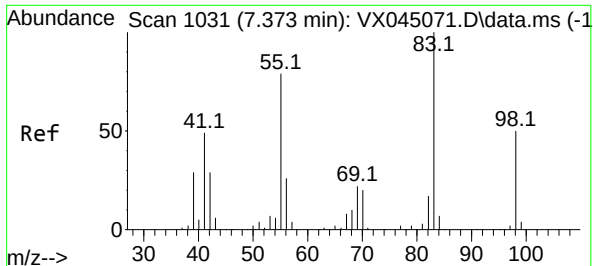
Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Tgt Ion: 117 Resp: 31758

Ion	Ratio	Lower	Upper
117	100		
119	93.2	76.7	115.1
121	27.3	25.5	38.3





#39

Methylcyclohexane

Concen: 21.114 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBSD01

Tgt Ion: 83 Resp: 43830

Ion Ratio Lower Upper

83 100

55 77.4 63.0 94.4

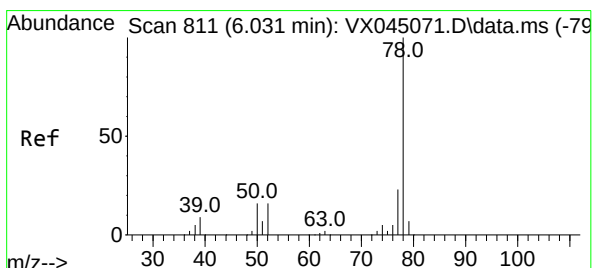
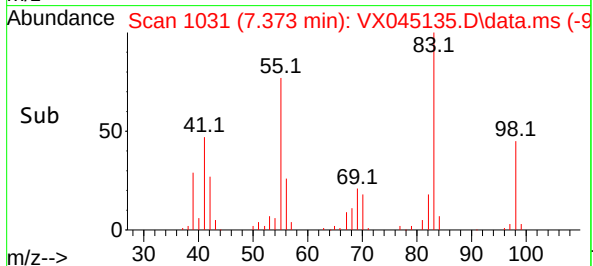
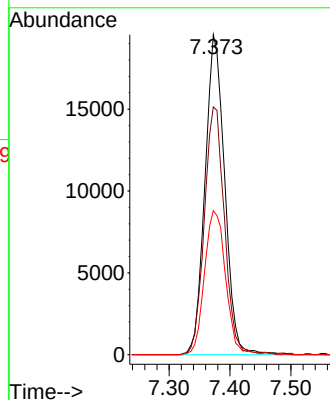
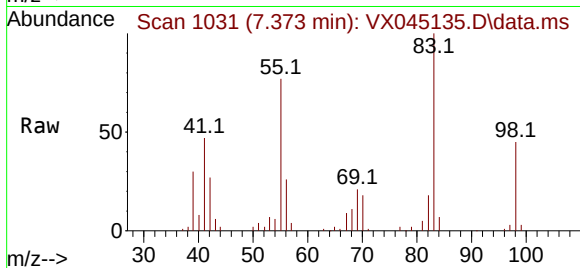
98 45.0 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#40

Benzene

Concen: 19.776 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX045135.D

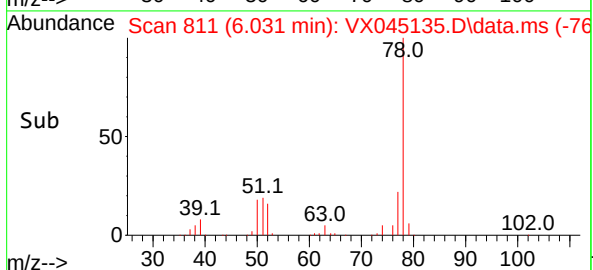
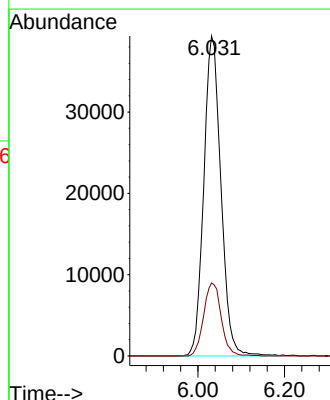
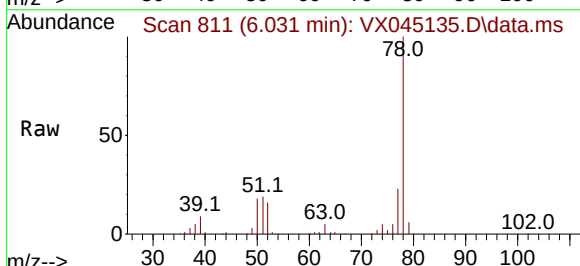
Acq: 05 Mar 2025 12:26

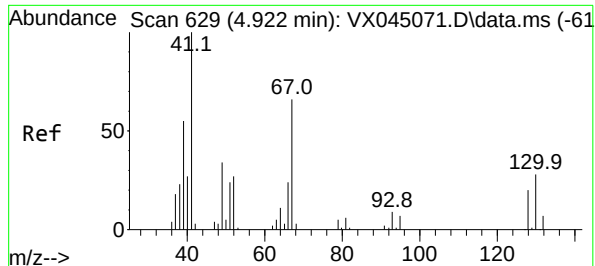
Tgt Ion: 78 Resp: 108204

Ion Ratio Lower Upper

78 100

77 22.8 18.8 28.2





#41

Methacrylonitrile

Concen: 19.233 ug/l

RT: 4.922 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBSD01

Tgt Ion: 41 Resp: 23219

Ion Ratio Lower Upper

41 100

39 58.0 44.6 67.0

67 73.4 53.9 80.9

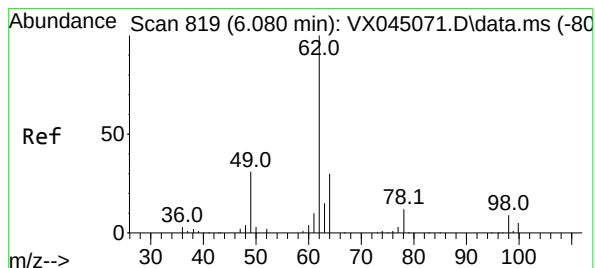
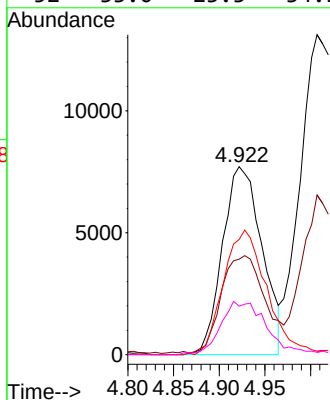
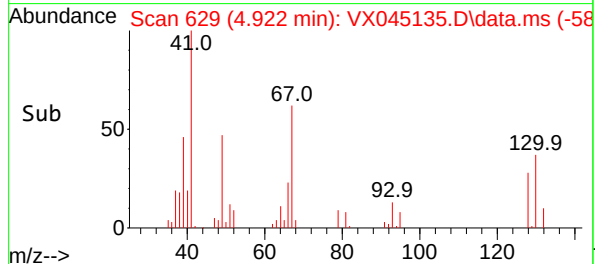
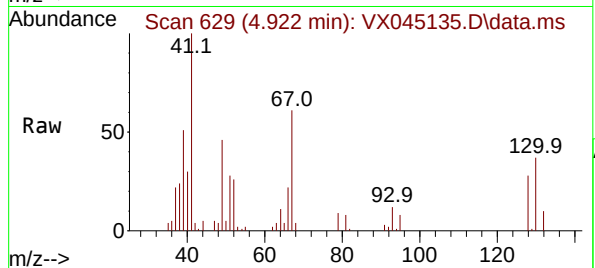
52 33.0 23.3 34.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#42

1,2-Dichloroethane

Concen: 19.573 ug/l

RT: 6.086 min Scan# 820

Delta R.T. 0.006 min

Lab File: VX045135.D

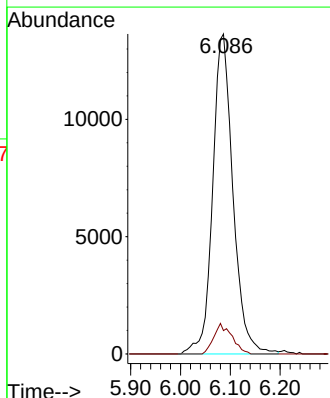
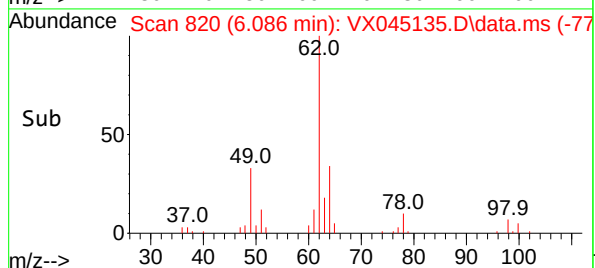
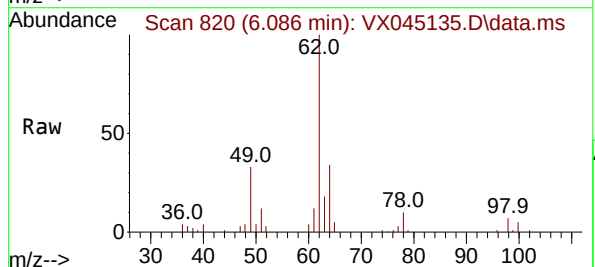
Acq: 05 Mar 2025 12:26

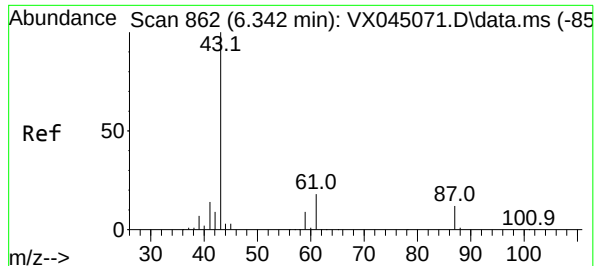
Tgt Ion: 62 Resp: 38564

Ion Ratio Lower Upper

62 100

98 8.5 0.0 18.2





#43

Isopropyl Acetate

Concen: 19.228 ug/l

RT: 6.342 min Scan# 862

Delta R.T. -0.000 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBSD01

Tgt Ion: 43 Resp: 6348

Ion Ratio Lower Upper

43

100

61

18.8

87

11.7

14.9

9.4

22.3

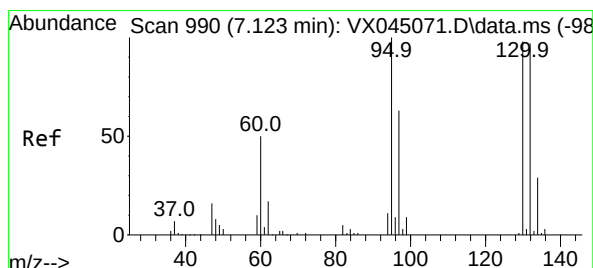
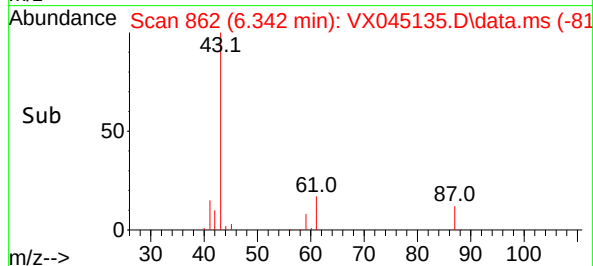
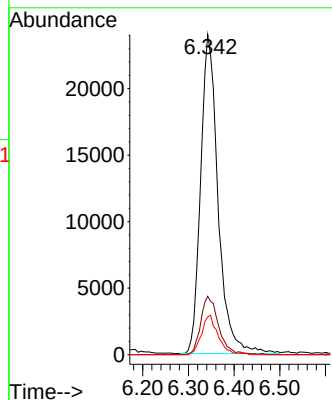
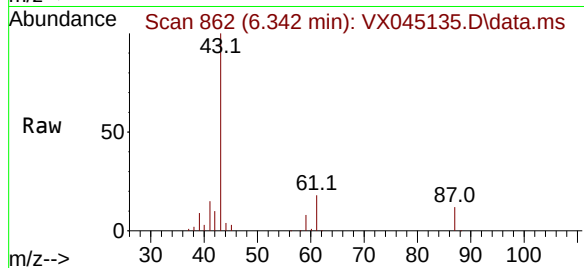
14.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#44

Trichloroethene

Concen: 18.515 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Tgt Ion:130 Resp: 23788

Ion Ratio Lower Upper

130

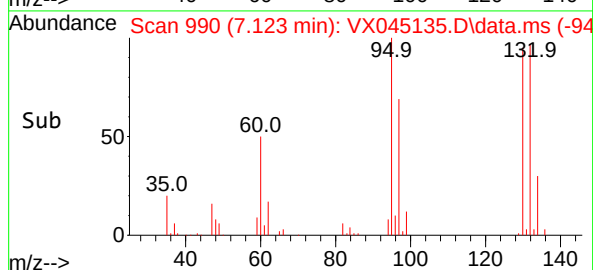
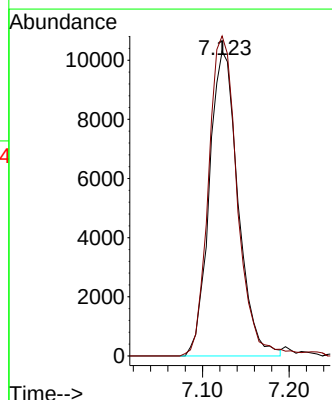
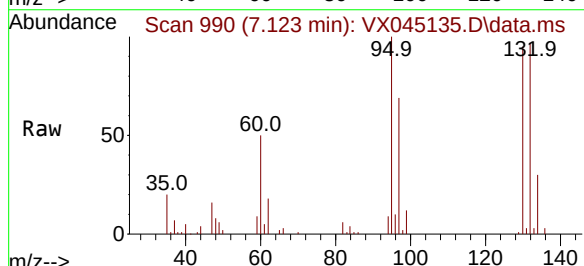
100

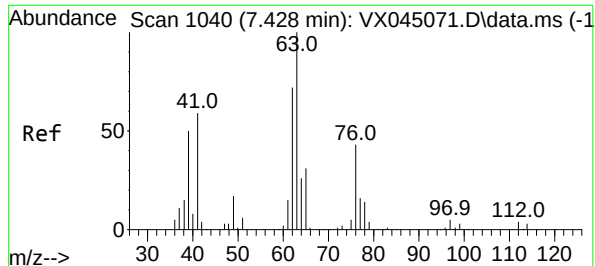
95

105.0

0.0

205.0





#45

1,2-Dichloropropane

Concen: 19.408 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBSD01

Tgt Ion: 63 Resp: 2730

Ion Ratio Lower Upper

63 100

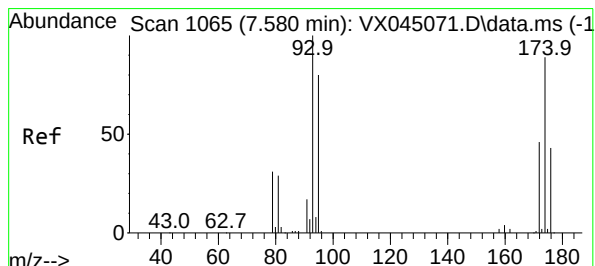
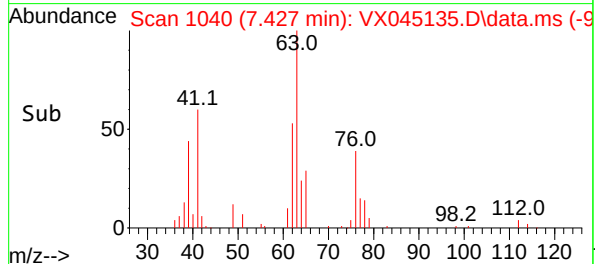
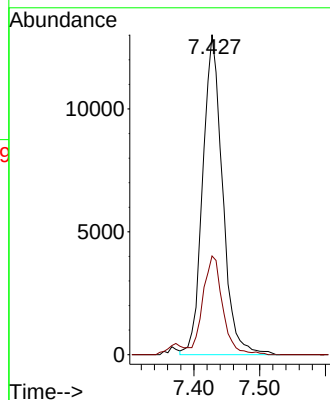
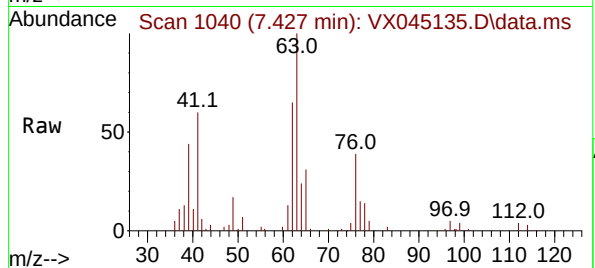
65 30.9 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#46

Dibromomethane

Concen: 19.744 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

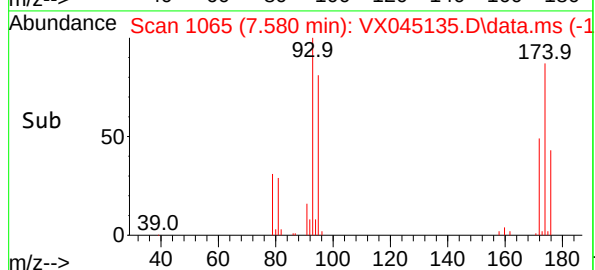
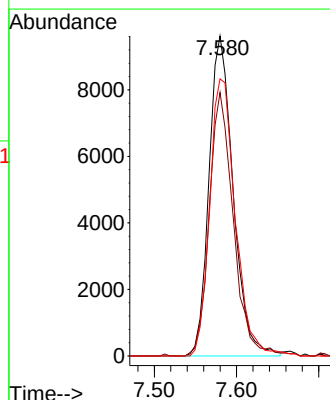
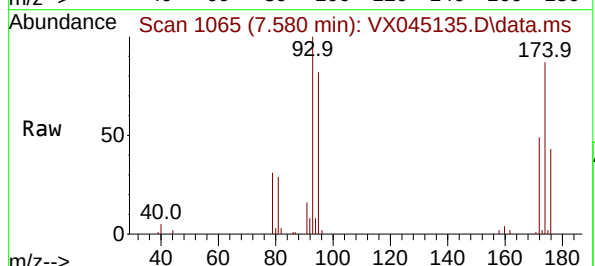
Tgt Ion: 93 Resp: 19632

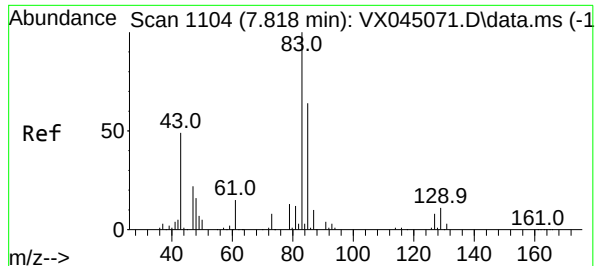
Ion Ratio Lower Upper

93 100

95 81.8 65.8 98.8

174 91.5 72.2 108.2





#47

Bromodichloromethane

Concen: 18.572 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBSD01

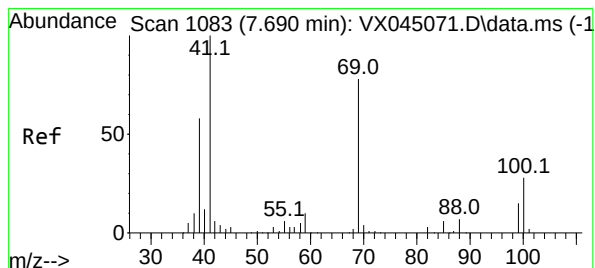
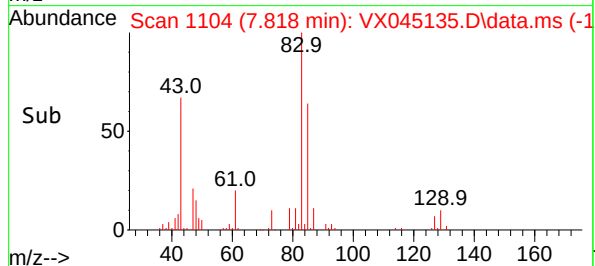
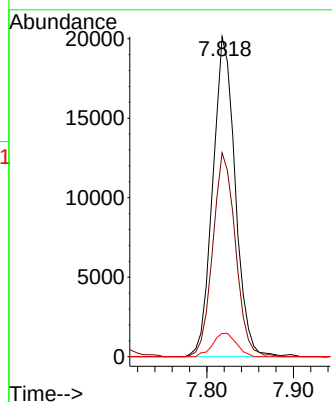
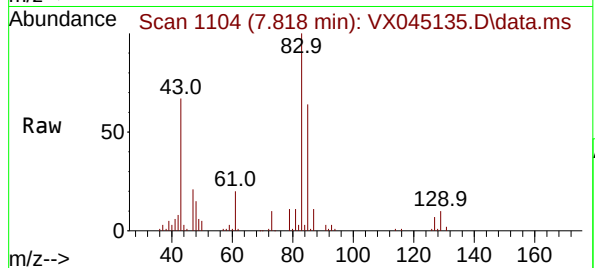
Tgt Ion:	83	Resp:	3622
Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.1	76.7
127	7.2	6.4	9.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#48

Methyl methacrylate

Concen: 19.189 ug/l

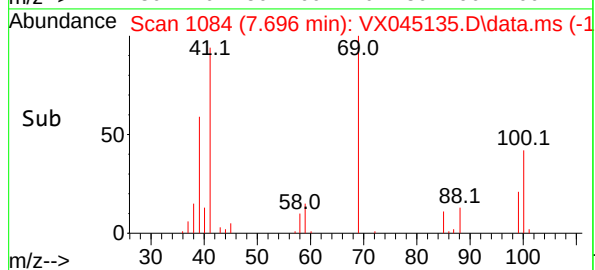
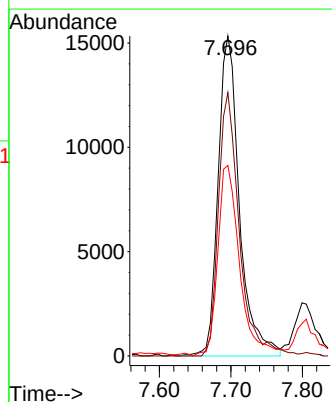
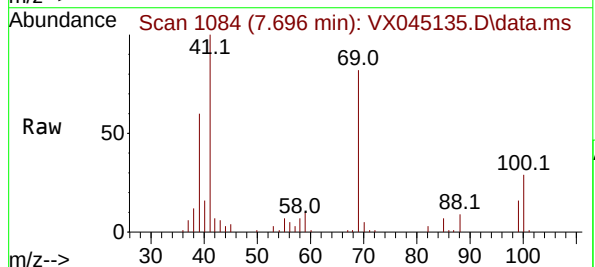
RT: 7.696 min Scan# 1084

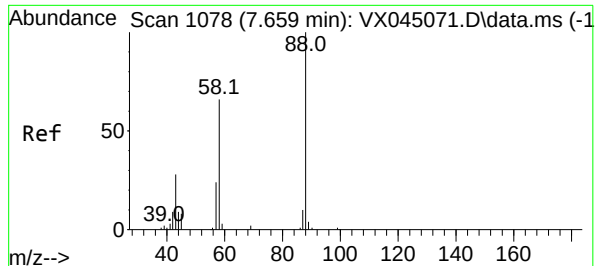
Delta R.T. 0.006 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Tgt Ion:	41	Resp:	31784
Ion	Ratio	Lower	Upper
41	100		
69	80.4	63.0	94.6
39	61.3	47.5	71.3





#49

1,4-Dioxane

Concen: 412.289 ug/l

RT: 7.671 min Scan# 1078

Delta R.T. 0.012 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBSD01

Tgt Ion: 88 Resp: 1440

Ion Ratio Lower Upper

88 100

43 35.3 28.7 43.1

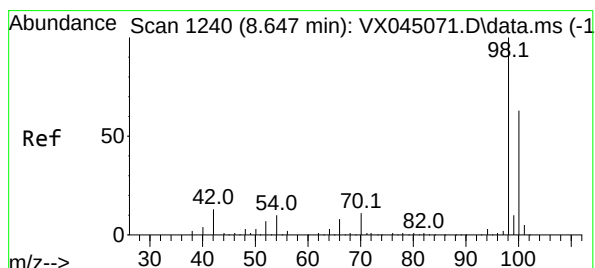
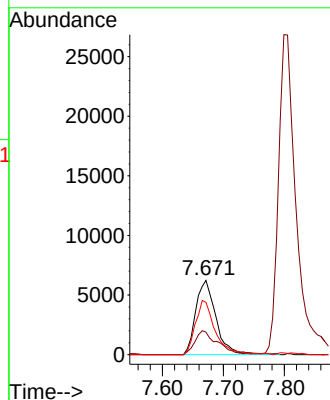
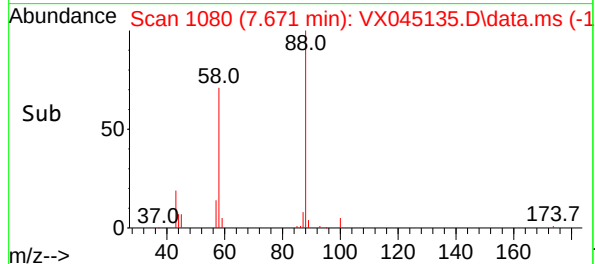
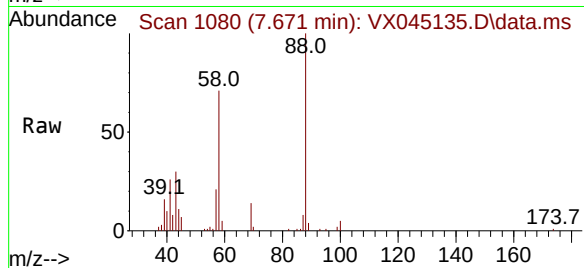
58 70.4 55.8 83.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#50

Toluene-d8

Concen: 51.080 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045135.D

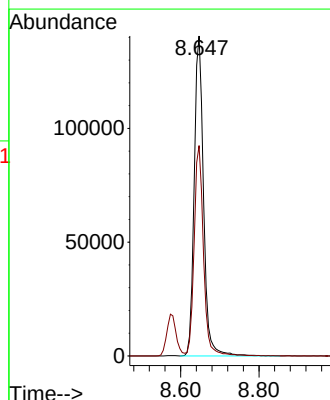
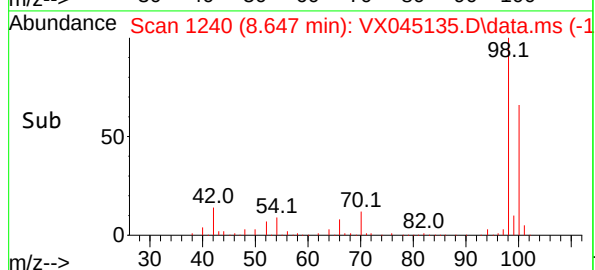
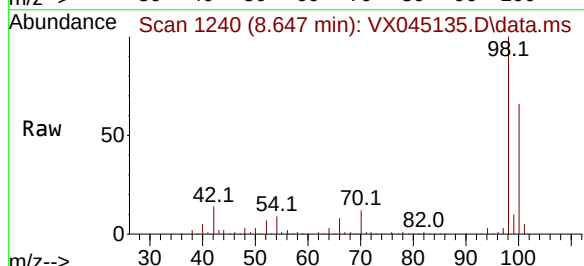
Acq: 05 Mar 2025 12:26

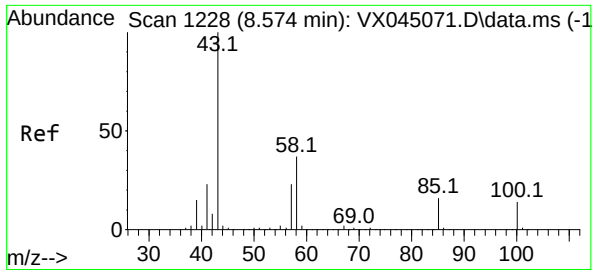
Tgt Ion: 98 Resp: 233974

Ion Ratio Lower Upper

98 100

100 65.3 52.0 78.0





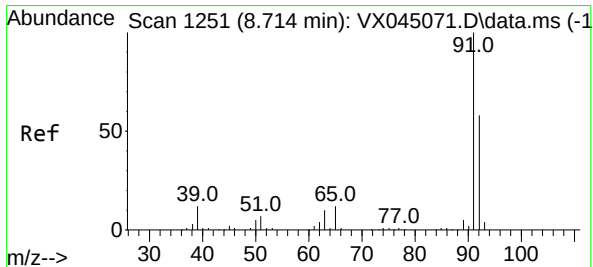
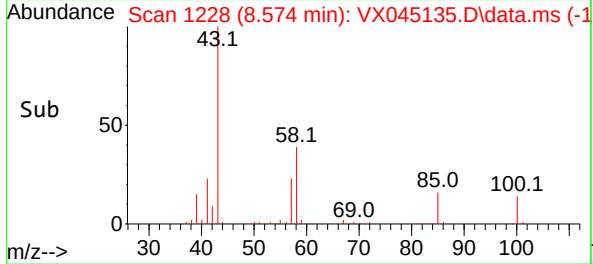
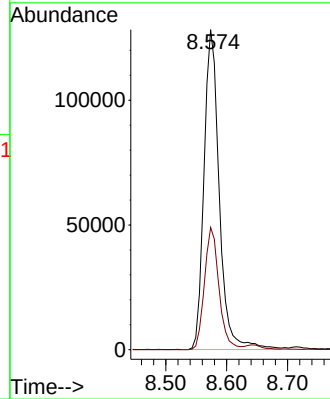
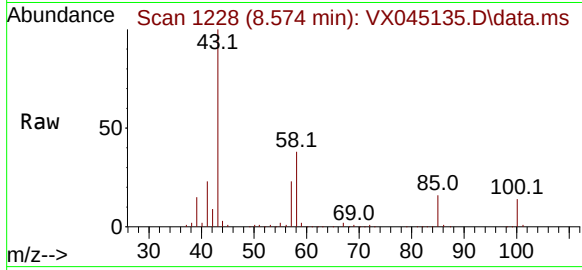
#51
4-Methyl-2-Pentanone
Concen: 100.992 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Tgt Ion: 43 Resp: 223880
Ion Ratio Lower Upper
43 100
58 36.3 29.2 43.8

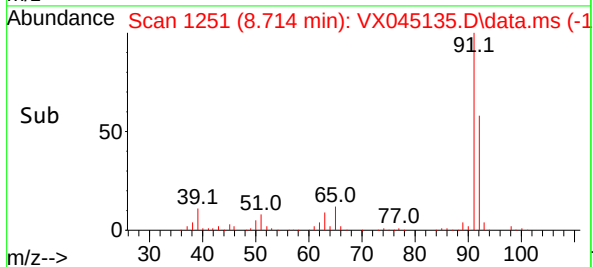
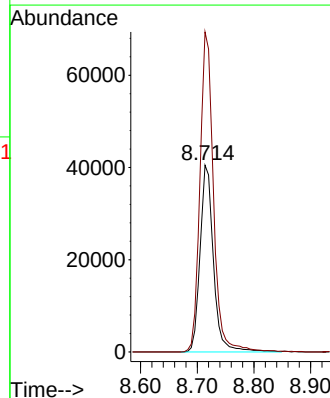
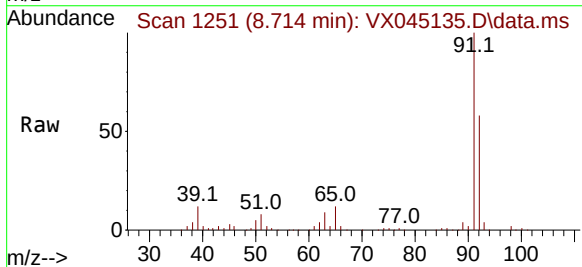
Manual Integrations
APPROVED

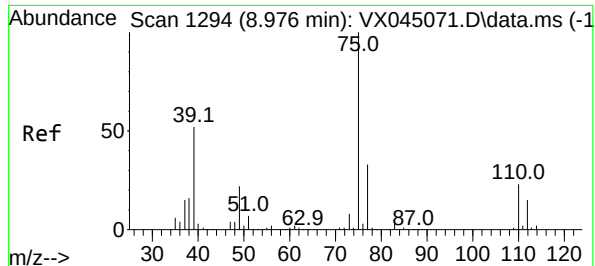
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#52
Toluene
Concen: 20.722 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 92 Resp: 66524
Ion Ratio Lower Upper
92 100
91 173.4 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 18.896 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBSD01

Tgt Ion: 75 Resp: 30810

Ion Ratio Lower Upper

75 100

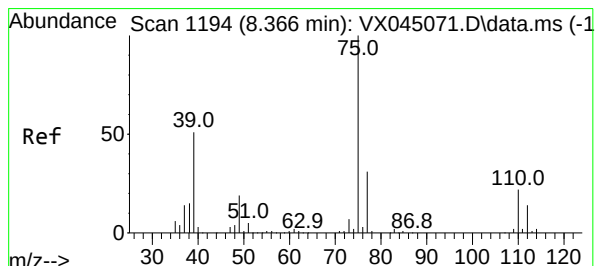
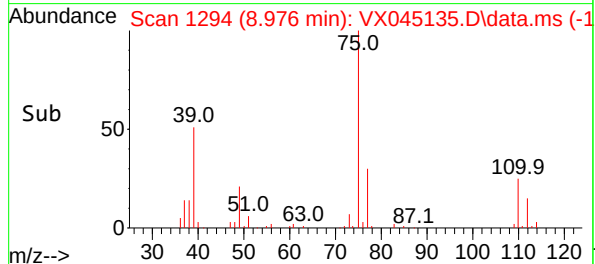
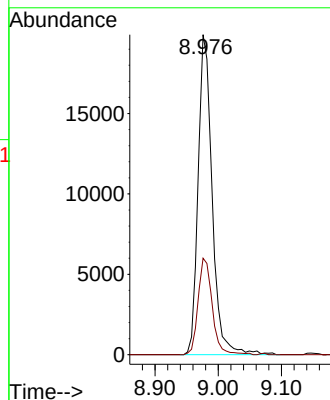
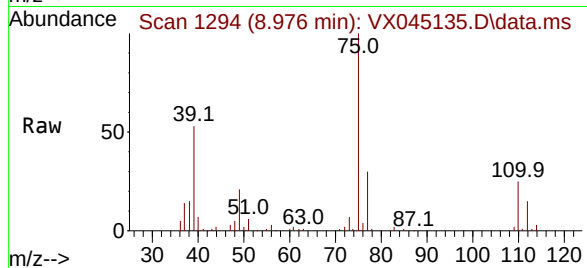
77 30.2 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#54

cis-1,3-Dichloropropene

Concen: 19.640 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

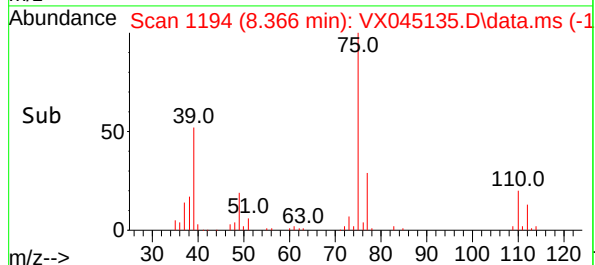
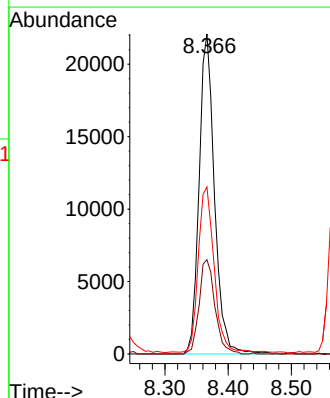
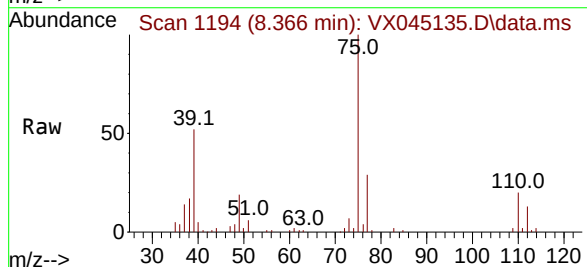
Tgt Ion: 75 Resp: 37343

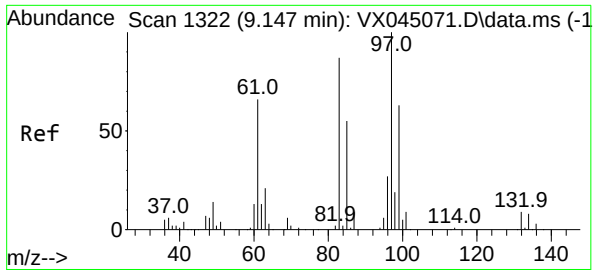
Ion Ratio Lower Upper

75 100

77 29.5 24.7 37.1

39 51.7 40.7 61.1





#55

1,1,2-Trichloroethane

Concen: 19.881 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.006 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBSD01

Tgt Ion: 97 Resp: 2627

Ion Ratio Lower Upper

97 100

83 88.4 69.4 104.2

85 54.9 44.1 66.1

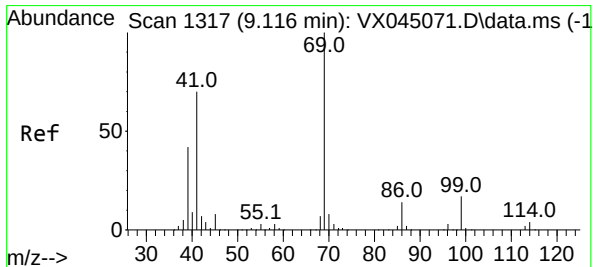
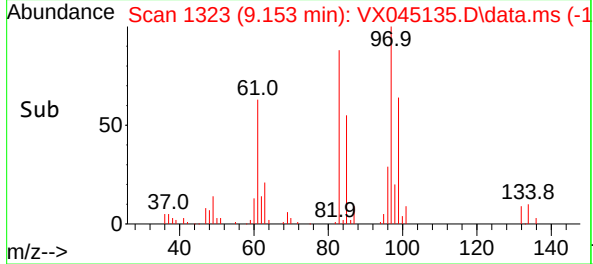
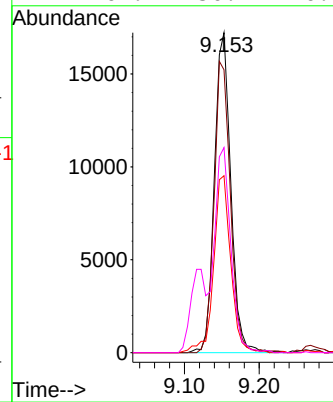
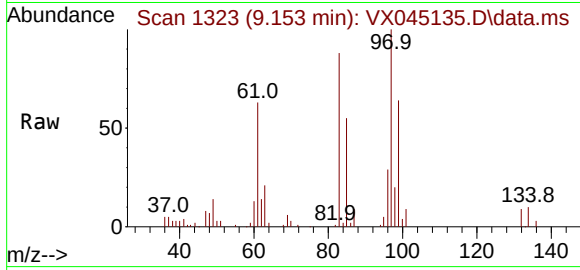
99 64.1 50.7 76.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#56

Ethyl methacrylate

Concen: 19.408 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

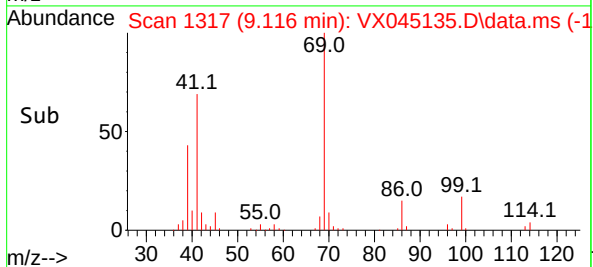
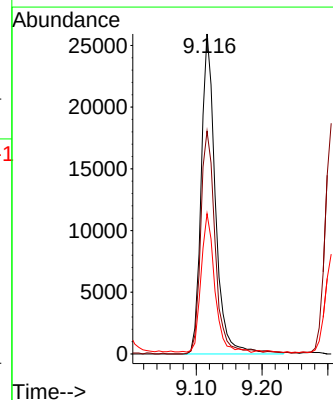
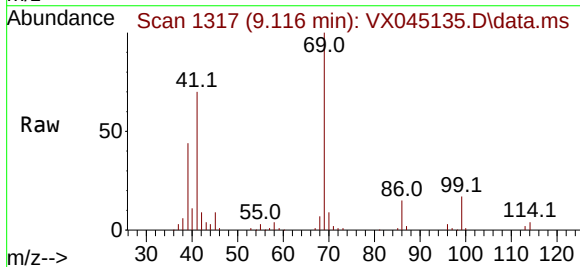
Tgt Ion: 69 Resp: 38988

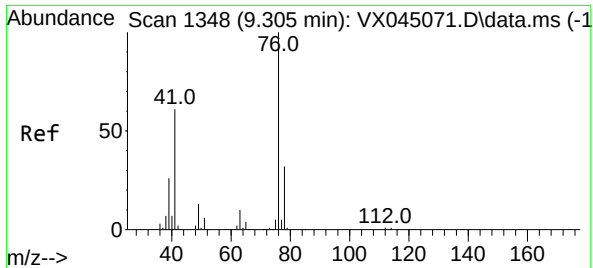
Ion Ratio Lower Upper

69 100

41 71.4 57.0 85.4

39 41.7 34.2 51.4





#57

1,3-Dichloropropane

Concen: 20.048 ug/l

RT: 9.305 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBSD01

Tgt Ion: 76 Resp: 45852

Ion Ratio Lower Upper

76 100

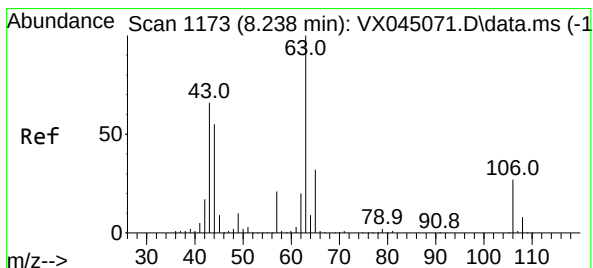
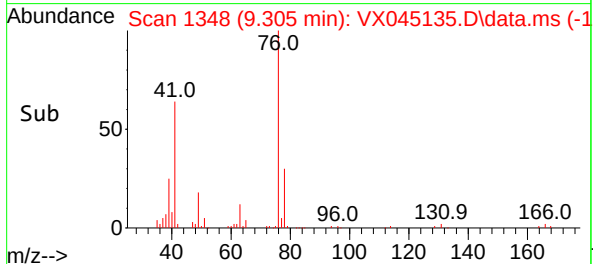
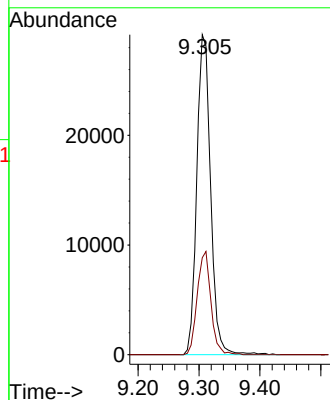
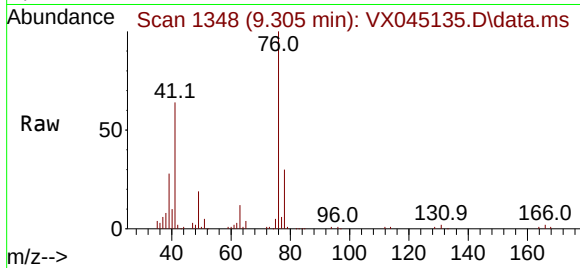
78 32.0 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#58

2-Chloroethyl Vinyl ether

Concen: 95.356 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX045135.D

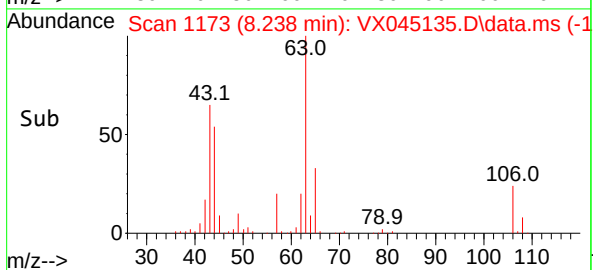
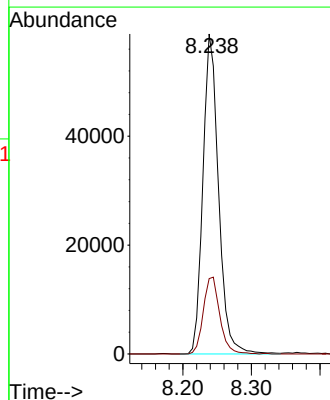
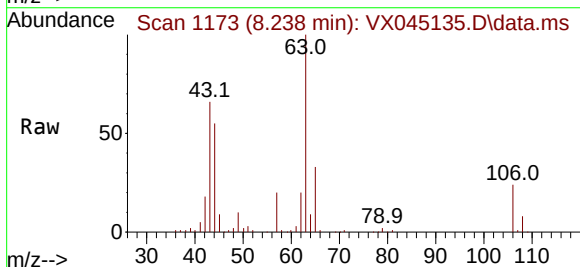
Acq: 05 Mar 2025 12:26

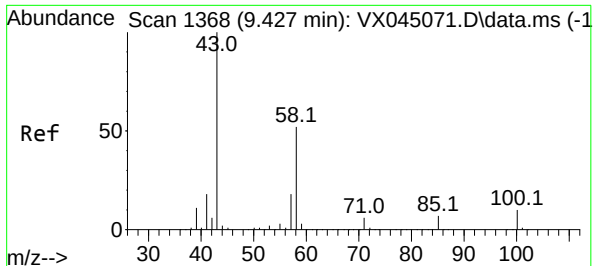
Tgt Ion: 63 Resp: 93444

Ion Ratio Lower Upper

63 100

106 25.3 21.5 32.3





#59

2-Hexanone

Concen: 101.624 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBSD01

Tgt Ion: 43 Resp: 163225

Ion Ratio Lower Upper

43 100

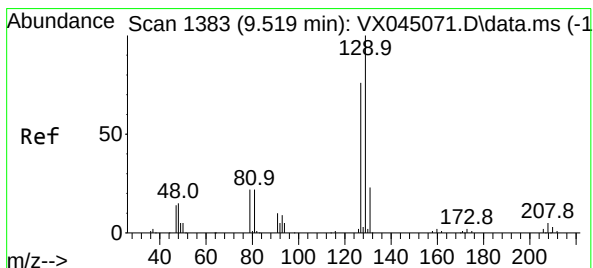
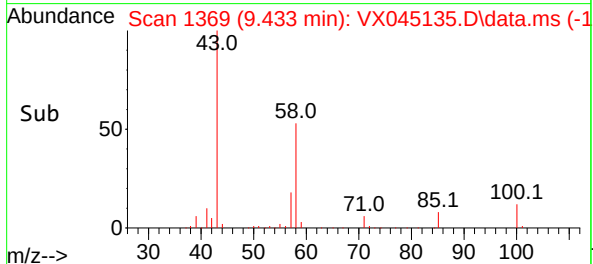
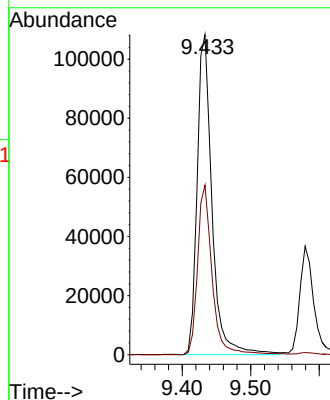
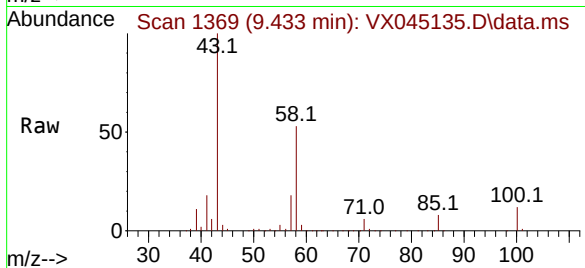
58 51.9 25.9 77.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#60

Dibromochloromethane

Concen: 18.522 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX045135.D

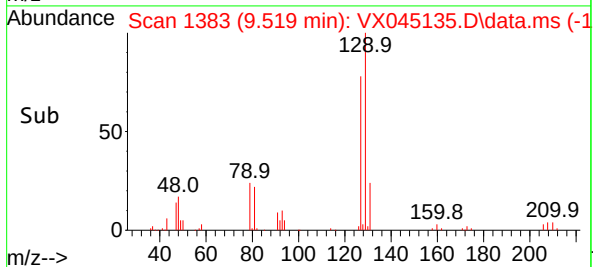
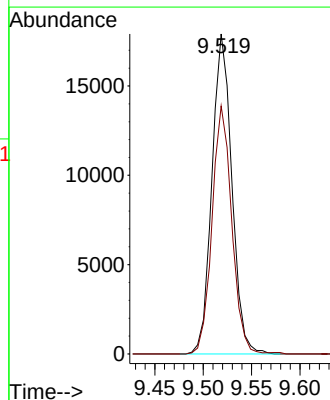
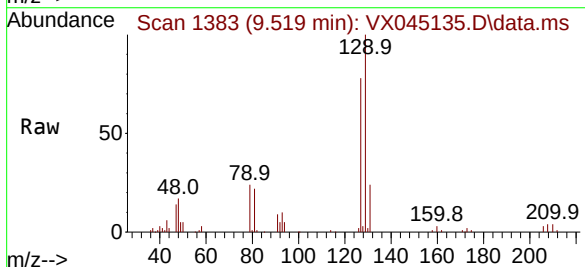
Acq: 05 Mar 2025 12:26

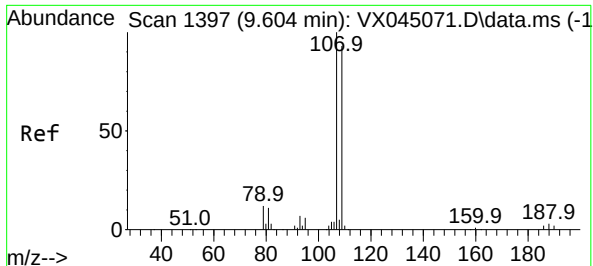
Tgt Ion:129 Resp: 25594

Ion Ratio Lower Upper

129 100

127 76.9 38.5 115.5





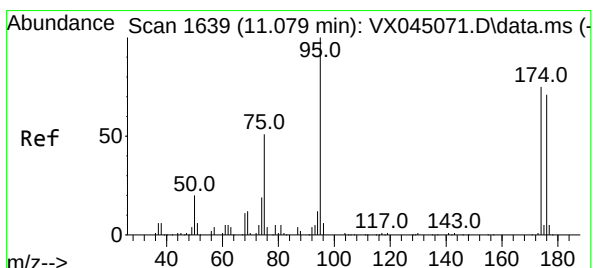
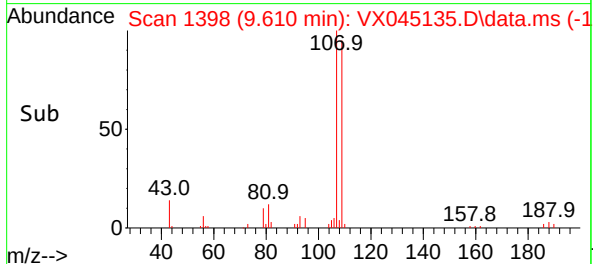
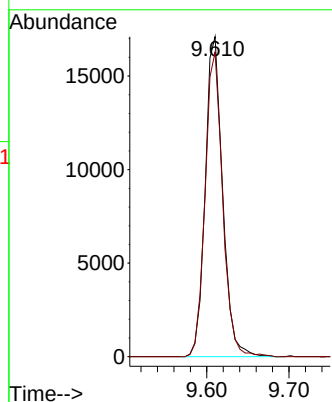
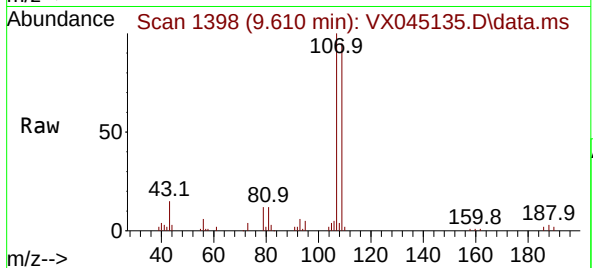
#61
1,2-Dibromoethane
Concen: 19.029 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Tgt Ion:107 Resp: 2510
Ion Ratio Lower Upper
107 100
109 96.1 76.1 114.1

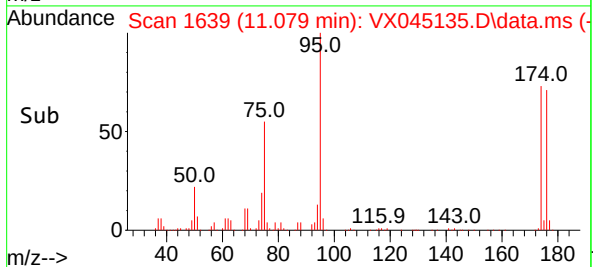
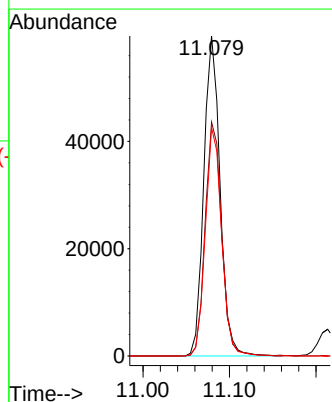
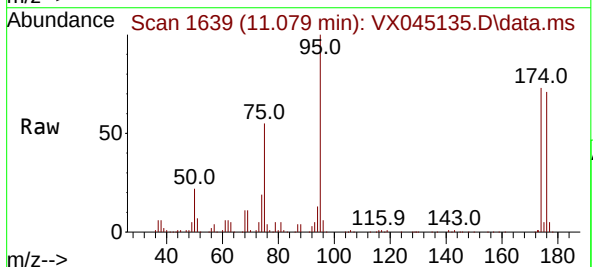
Manual Integrations
APPROVED

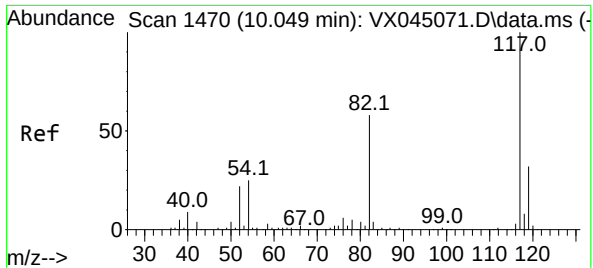
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#62
4-Bromofluorobenzene
Concen: 51.159 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

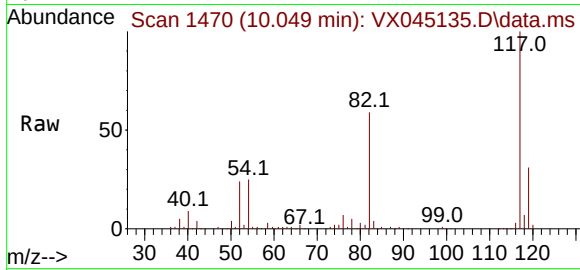
Tgt Ion: 95 Resp: 77651
Ion Ratio Lower Upper
95 100
174 74.4 0.0 148.2
176 71.5 0.0 141.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

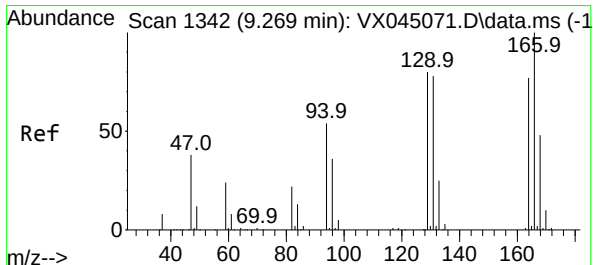
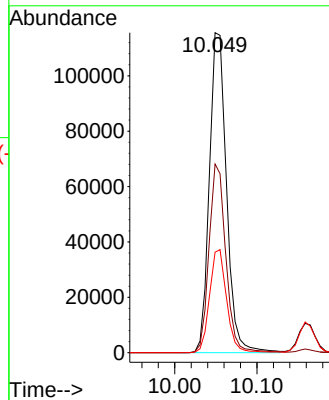
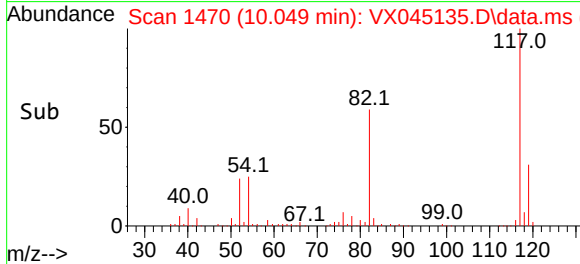
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01



Tgt Ion:117 Resp: 167692
Ion Ratio Lower Upper
117 100
82 58.9 46.3 69.5
119 31.4 25.7 38.5

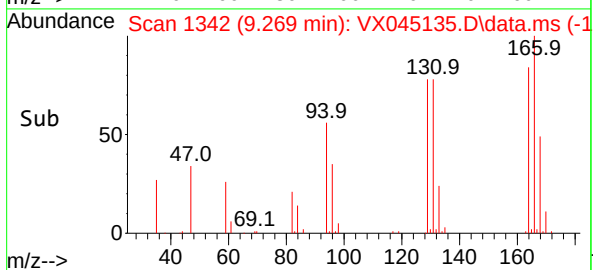
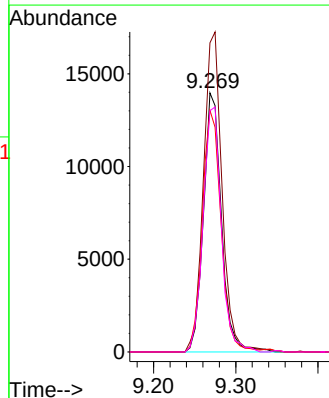
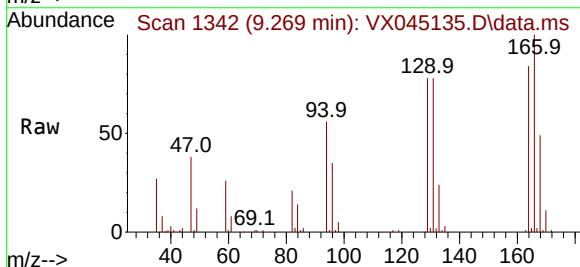
Manual Integrations
APPROVED

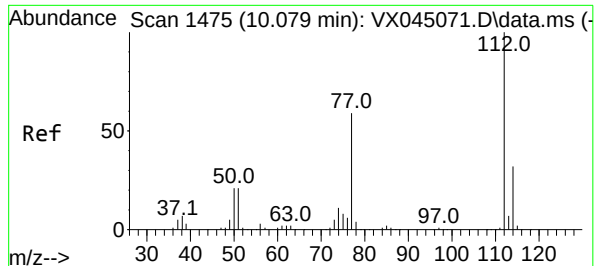
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#64
Tetrachloroethene
Concen: 19.750 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:164 Resp: 21212
Ion Ratio Lower Upper
164 100
166 119.3 103.6 155.4
129 93.3 82.7 124.1
131 93.1 80.5 120.7





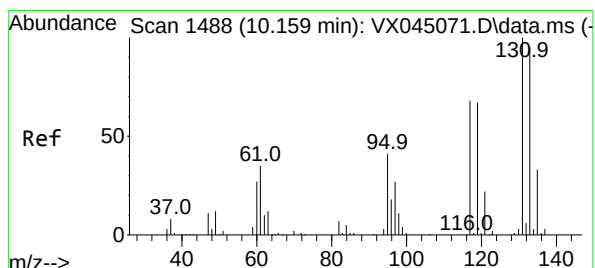
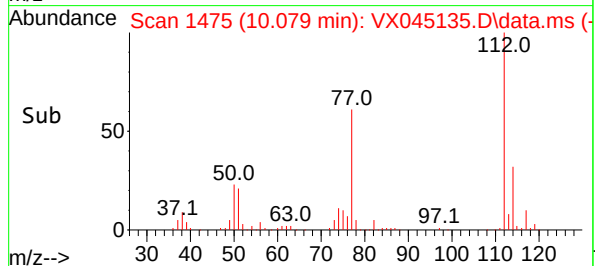
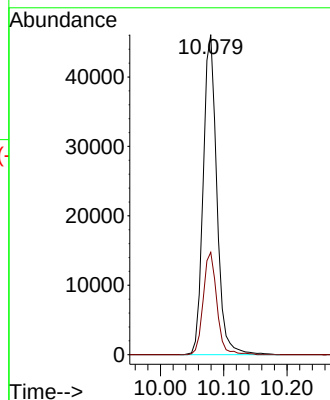
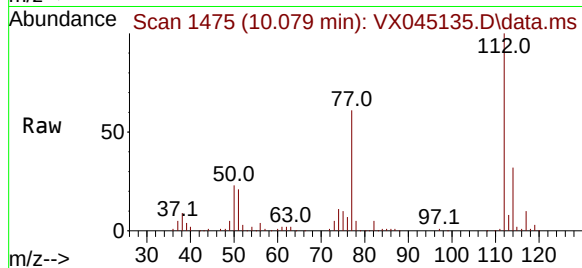
#65
Chlorobenzene
Concen: 19.508 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Tgt Ion:112 Resp: 69220
Ion Ratio Lower Upper
112 100
114 32.0 26.0 39.0

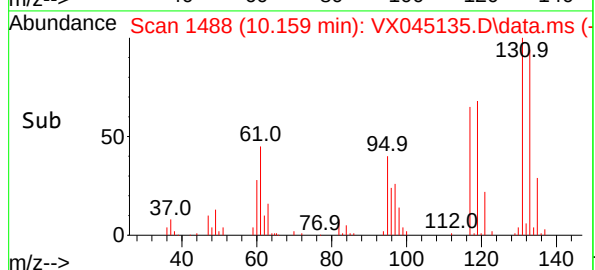
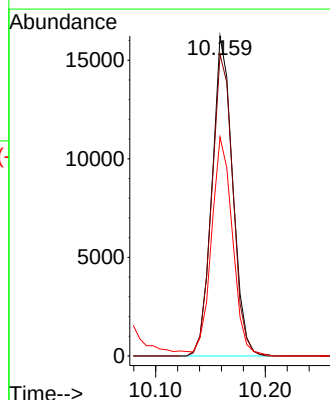
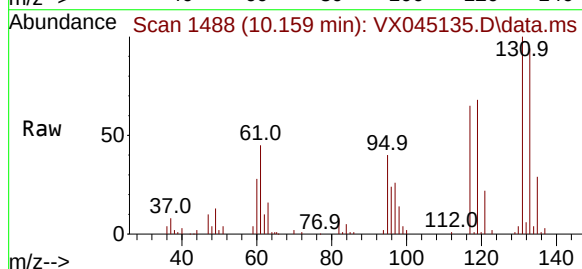
Manual Integrations
APPROVED

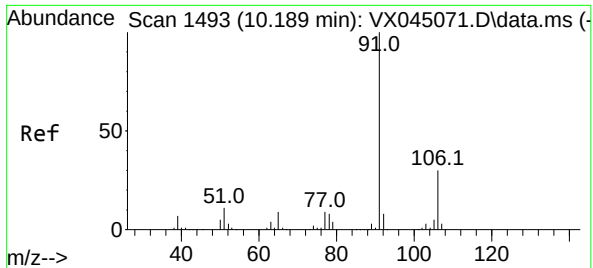
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 17.986 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:131 Resp: 21254
Ion Ratio Lower Upper
131 100
133 96.6 48.6 145.9
119 69.7 33.9 101.7





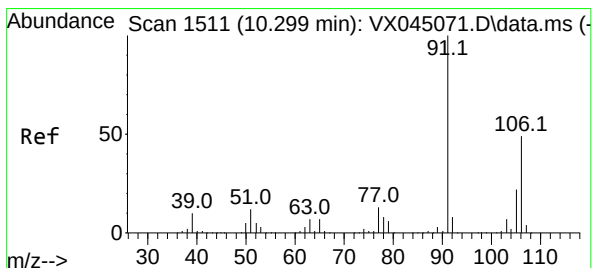
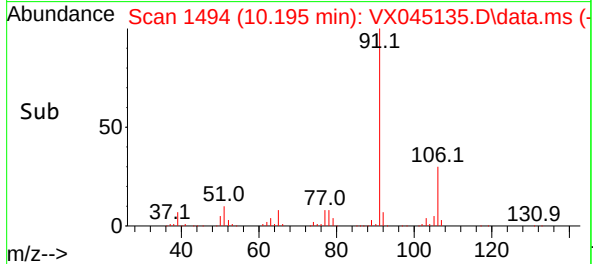
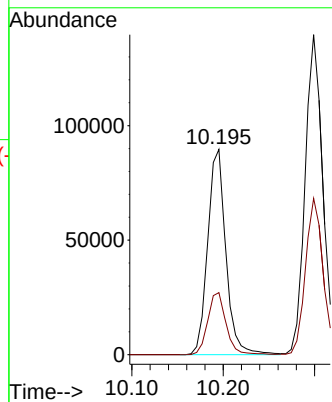
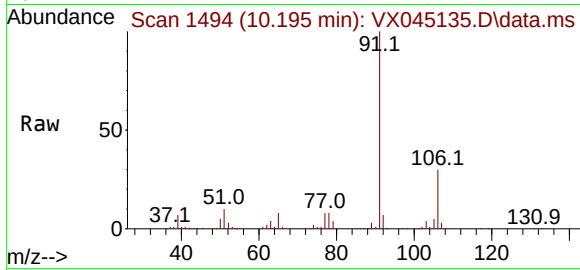
#67
Ethyl Benzene
Concen: 20.004 ug/l
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Tgt Ion: 91 Resp: 123682
Ion Ratio Lower Upper
91 100
106 30.2 23.9 35.9

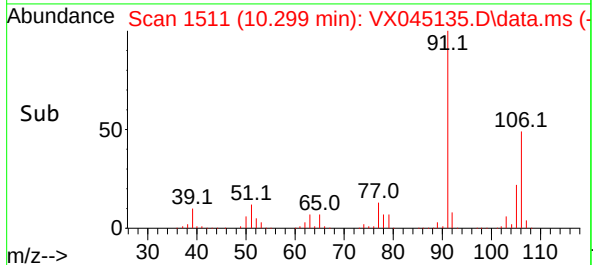
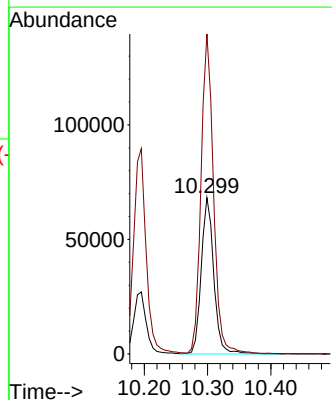
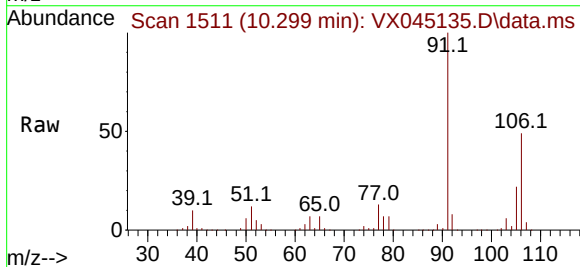
Manual Integrations
APPROVED

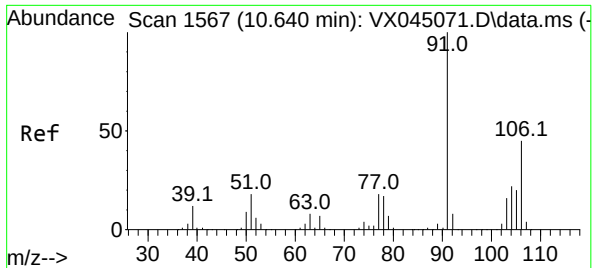
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#68
m/p-Xylenes
Concen: 41.627 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:106 Resp: 94216
Ion Ratio Lower Upper
106 100
91 203.9 165.4 248.0





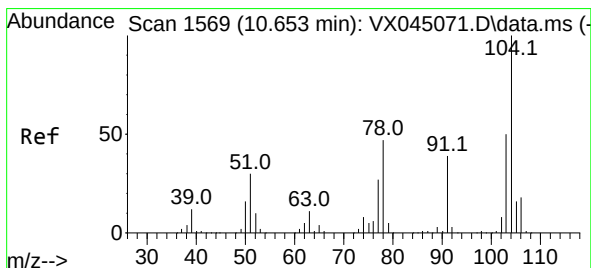
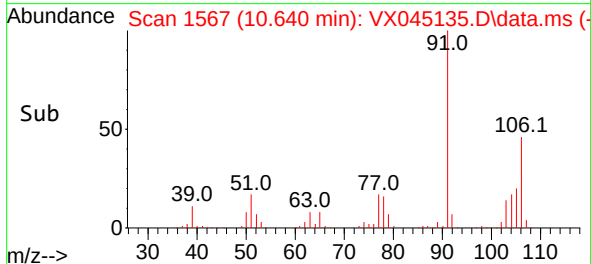
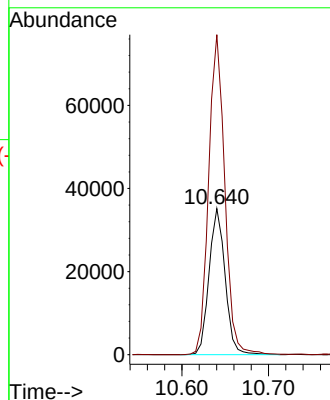
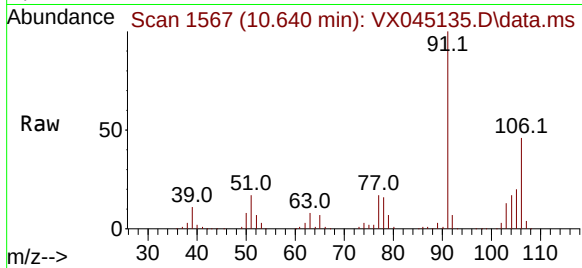
#69
o-Xylene
Concen: 19.884 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Tgt Ion:106 Resp: 45390
Ion Ratio Lower Upper
106 100
91 219.3 109.9 329.6

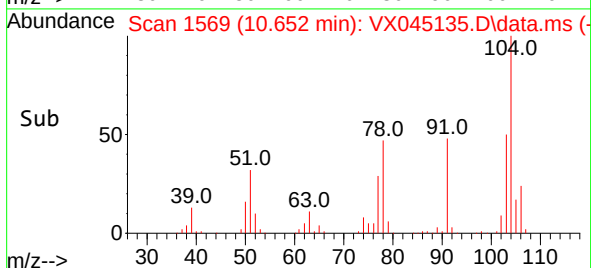
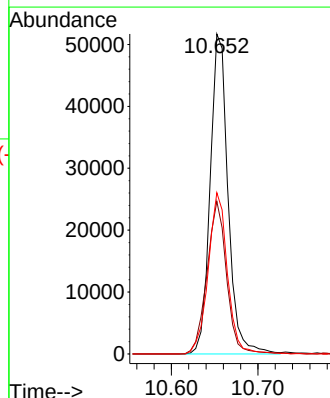
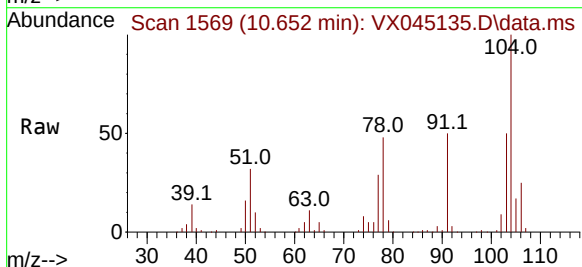
Manual Integrations
APPROVED

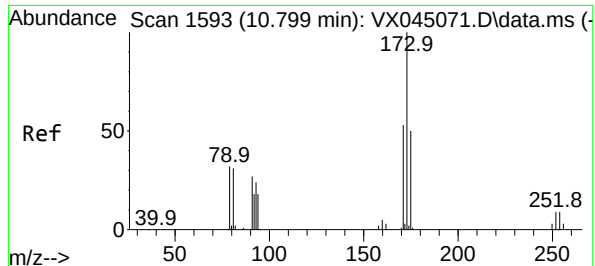
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#70
Styrene
Concen: 20.106 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

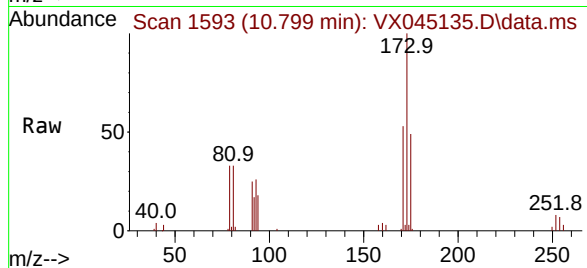
Tgt Ion:104 Resp: 74263
Ion Ratio Lower Upper
104 100
78 52.4 42.2 63.4
103 54.3 43.8 65.8





#71
Bromoform
Concen: 17.213 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

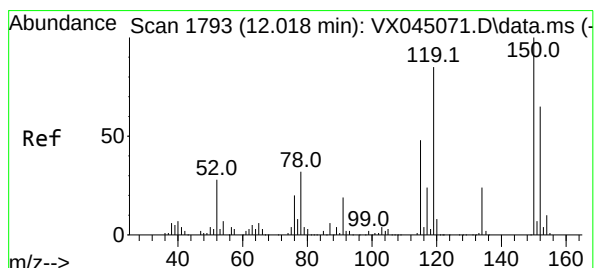
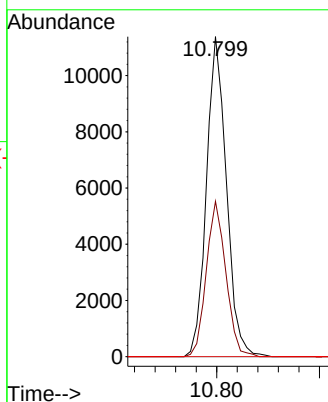
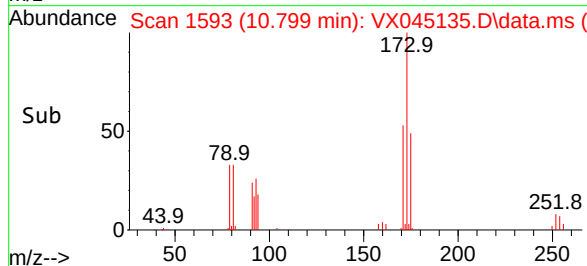
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01



Tgt Ion:173 Resp: 15338
Ion Ratio Lower Upper
173 100
175 47.6 24.6 73.6
254 0.0 0.0 0.0

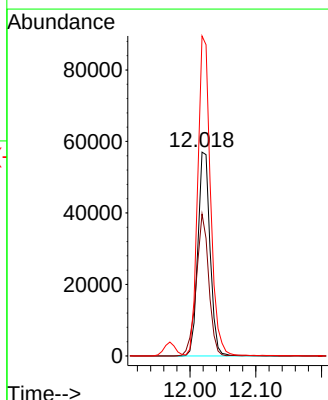
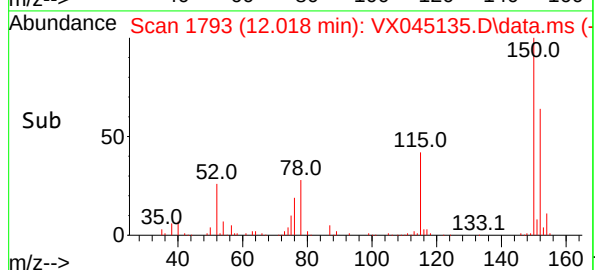
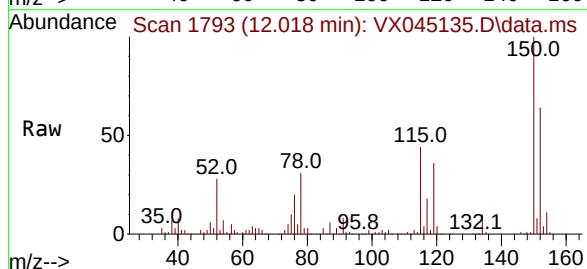
Manual Integrations
APPROVED

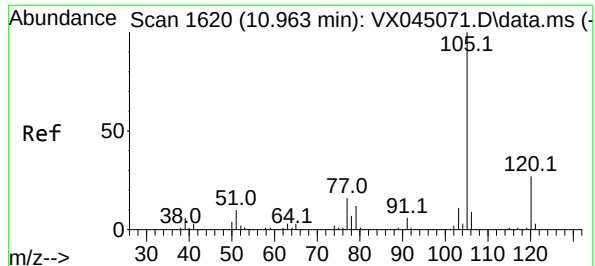
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:152 Resp: 73577
Ion Ratio Lower Upper
152 100
115 71.2 44.2 132.6
150 163.1 0.0 349.0





#73

Isopropylbenzene

Concen: 20.206 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBSD01

Tgt Ion:105 Resp: 11604

Ion Ratio Lower Upper

105 100

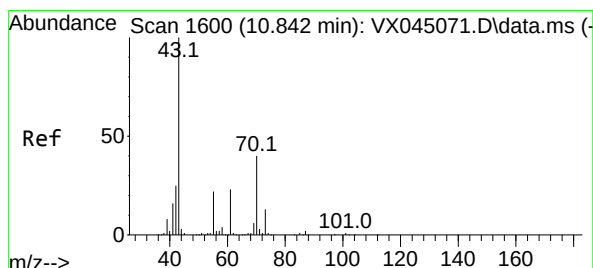
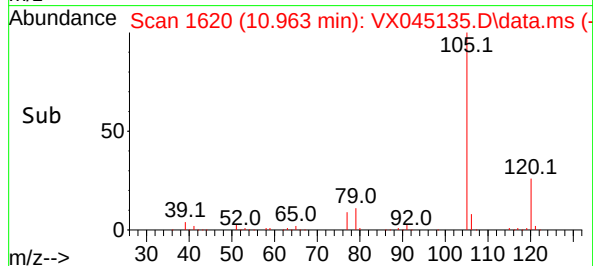
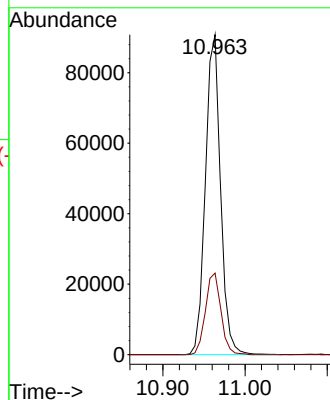
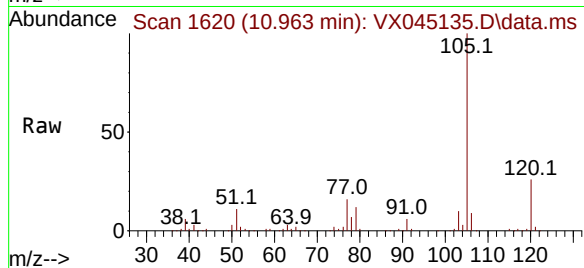
120 26.1 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#74

N-ethyl acetate

Concen: 18.884 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Tgt Ion: 43 Resp: 50887

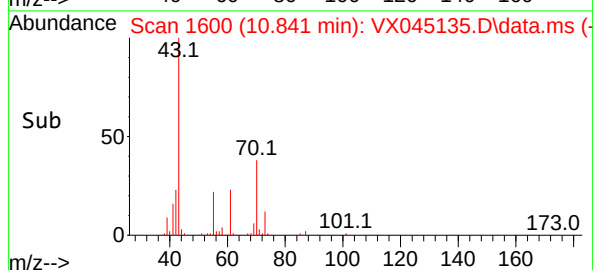
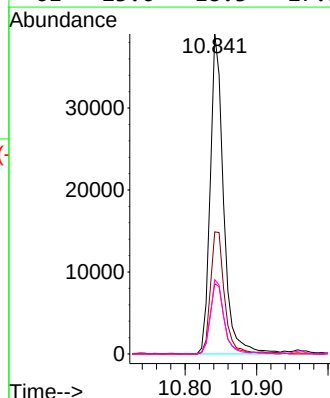
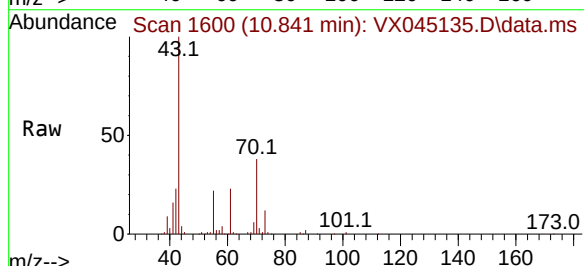
Ion Ratio Lower Upper

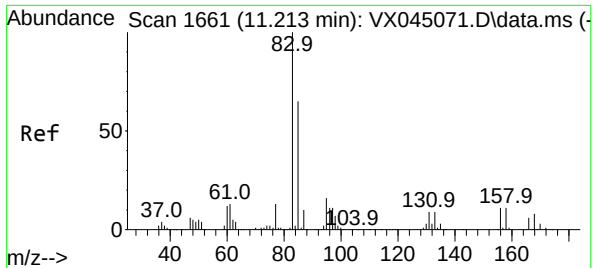
43 100

70 40.2 31.8 47.6

55 23.8 18.3 27.5

61 23.6 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.478 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBSD01

Tgt Ion: 83 Resp: 41049

Ion Ratio Lower Upper

83 100

131 9.1 4.5 13.4

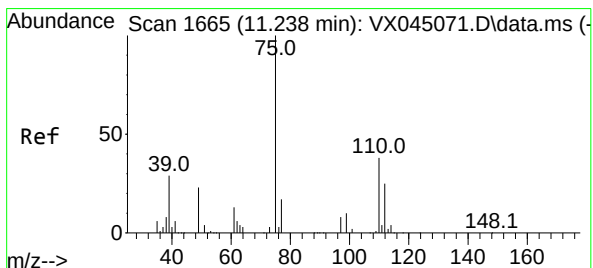
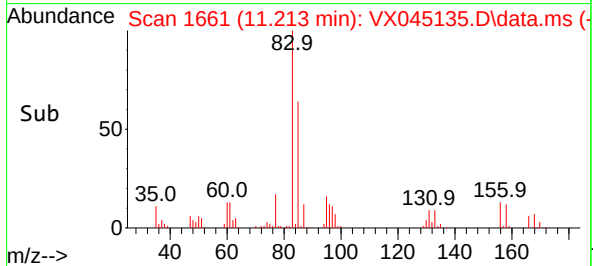
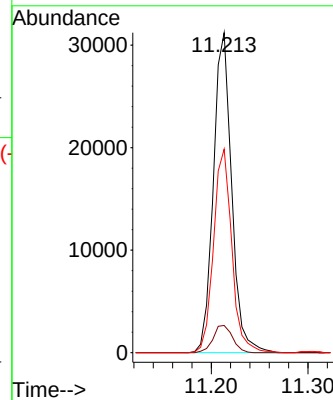
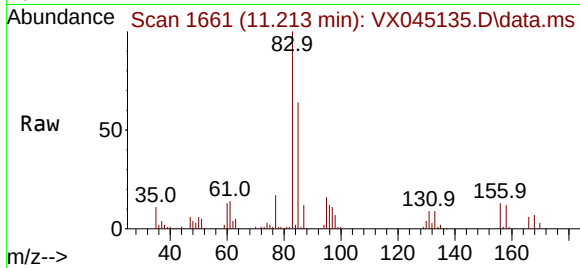
85 63.5 31.7 95.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#76

1,2,3-Trichloropropane

Concen: 20.923 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX045135.D

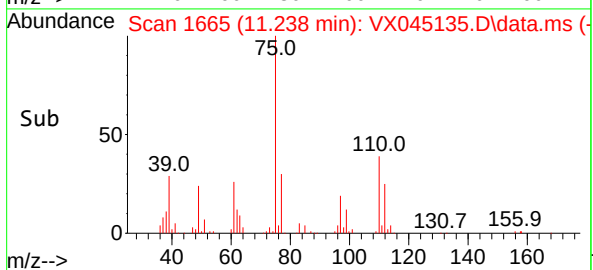
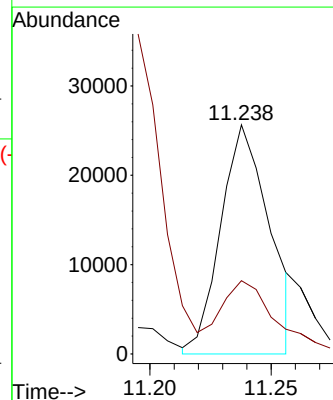
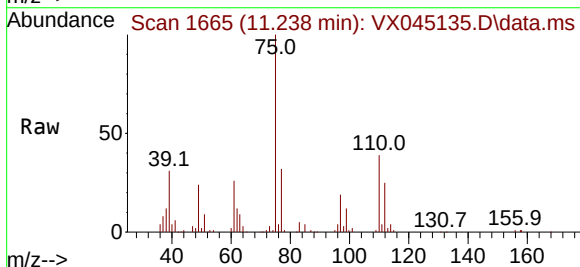
Acq: 05 Mar 2025 12:26

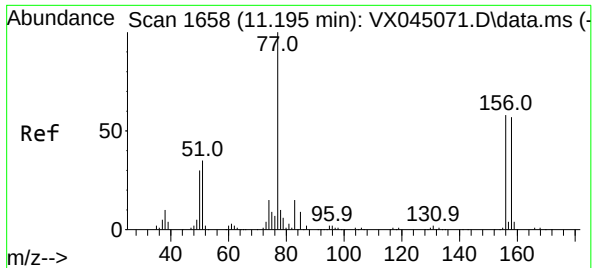
Tgt Ion: 75 Resp: 35831

Ion Ratio Lower Upper

75 100

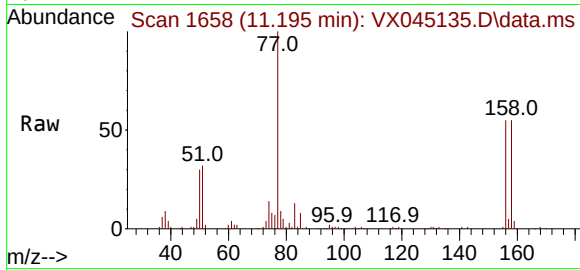
77 37.0 20.7 62.1





#77
Bromobenzene
Concen: 20.069 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

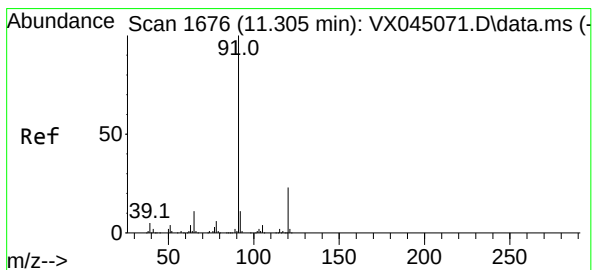
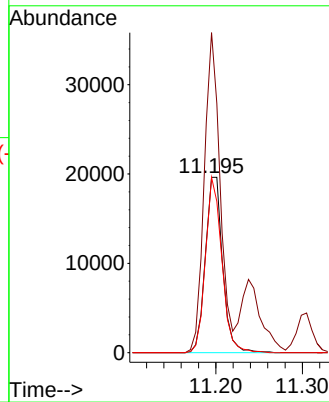
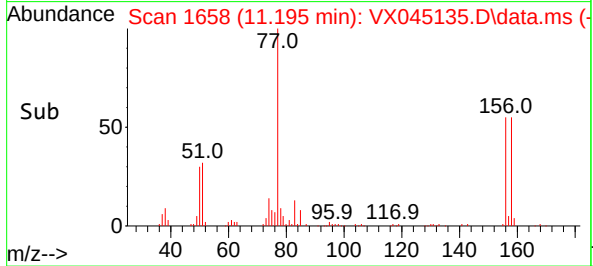
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01



Tgt Ion:156 Resp: 27194
Ion Ratio Lower Upper
156 100
77 166.6 85.8 257.4
158 95.0 48.4 145.2

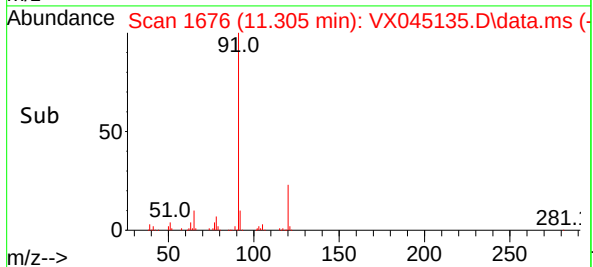
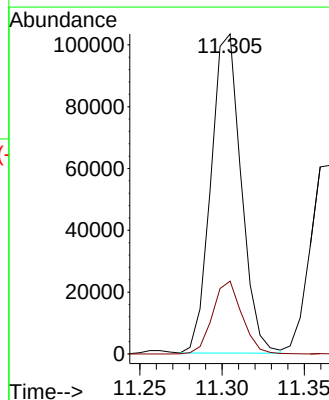
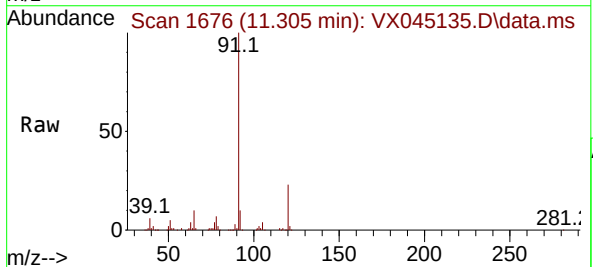
Manual Integrations
APPROVED

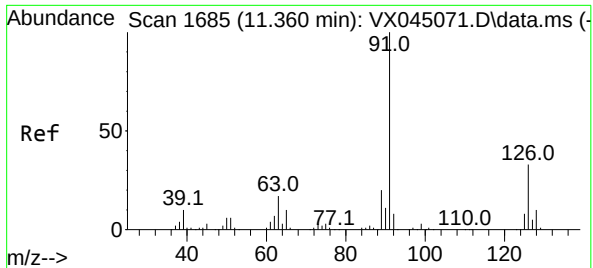
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#78
n-propylbenzene
Concen: 20.376 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 91 Resp: 132188
Ion Ratio Lower Upper
91 100
120 22.2 11.2 33.6





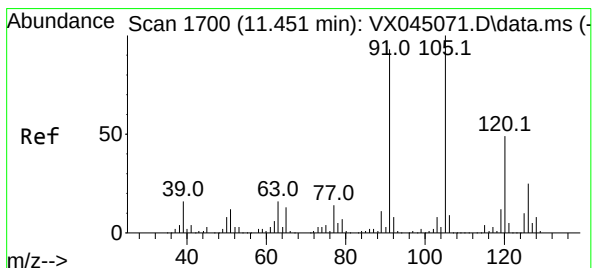
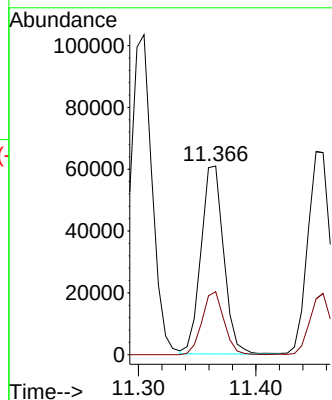
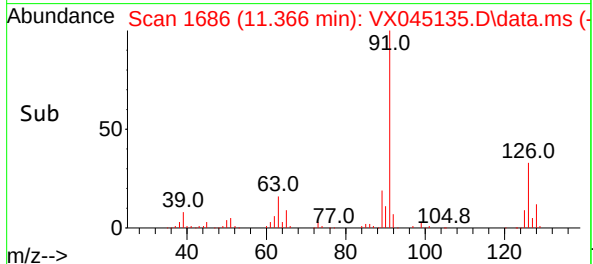
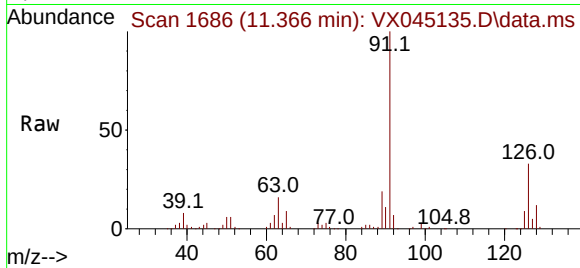
#79
2-Chlorotoluene
Concen: 19.769 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Tgt Ion: 91 Resp: 81670
Ion Ratio Lower Upper
91 100
126 32.3 16.4 49.4

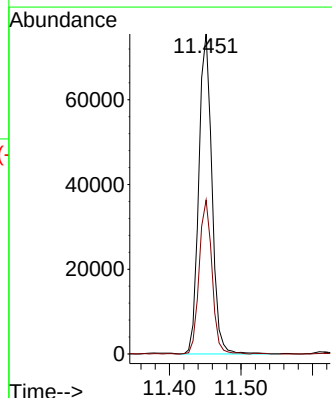
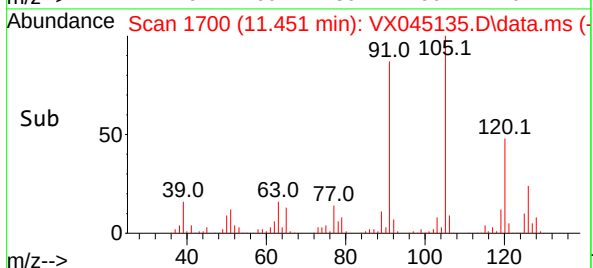
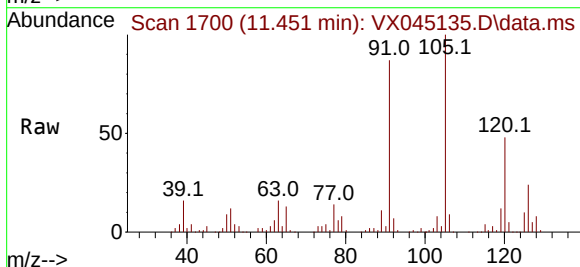
Manual Integrations
APPROVED

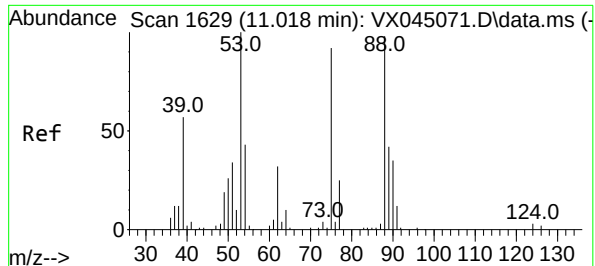
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#80
1,3,5-Trimethylbenzene
Concen: 20.708 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

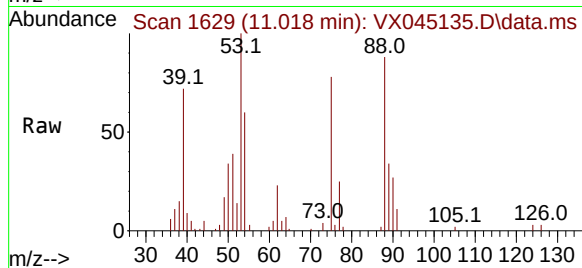
Tgt Ion:105 Resp: 96161
Ion Ratio Lower Upper
105 100
120 46.9 24.1 72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 16.113 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

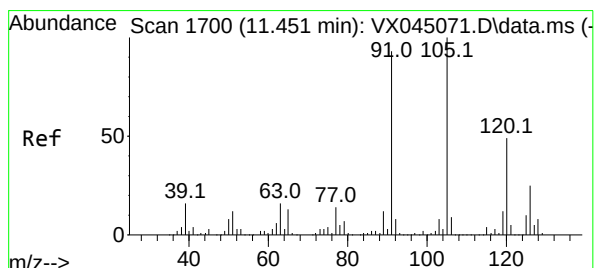
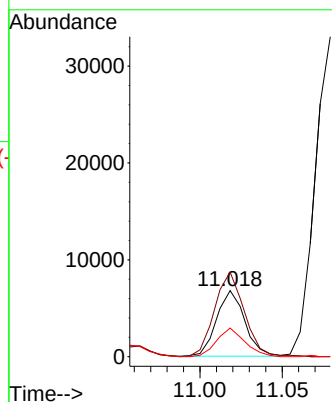
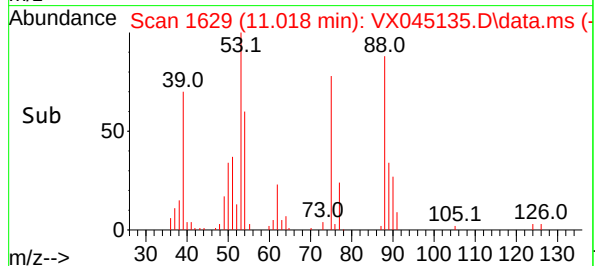
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01



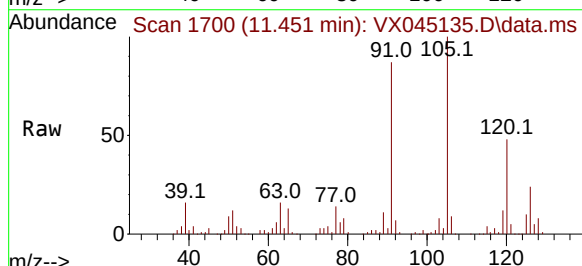
Tgt Ion: 75 Resp: 806
Ion Ratio Lower Upper
75 100
53 136.6 88.5 132.7
89 43.7 36.2 54.4

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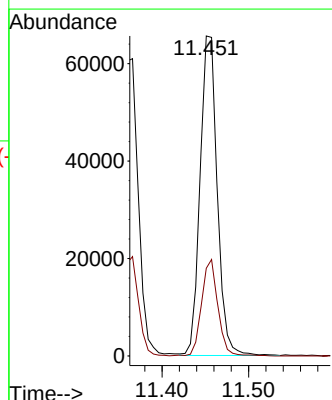
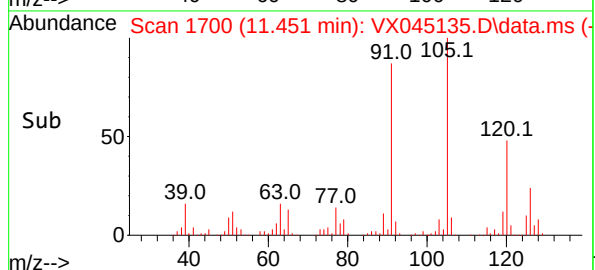
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

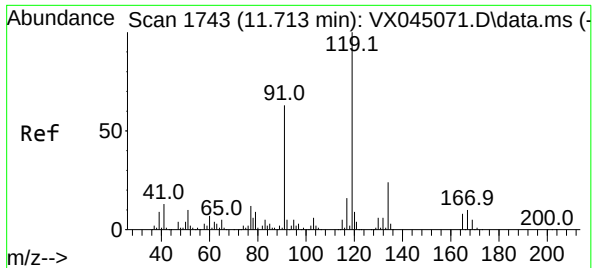


#82
4-Chlorotoluene
Concen: 20.049 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26



Tgt Ion: 91 Resp: 90278
Ion Ratio Lower Upper
91 100
126 28.7 14.1 42.4





#83

tert-Butylbenzene

Concen: 19.631 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBSD01

Tgt Ion:119 Resp: 93664

Ion Ratio Lower Upper

119 100

91 62.1 30.7 92.1

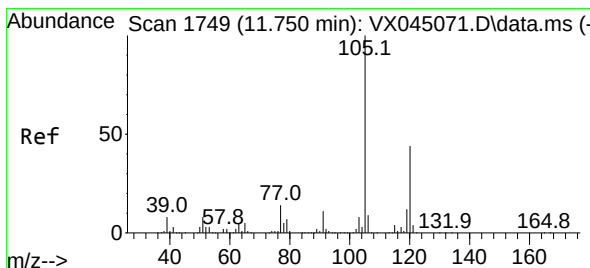
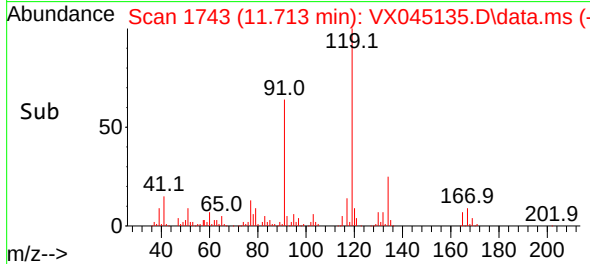
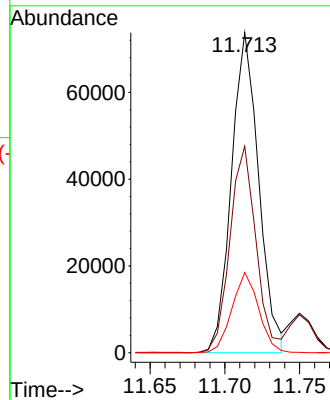
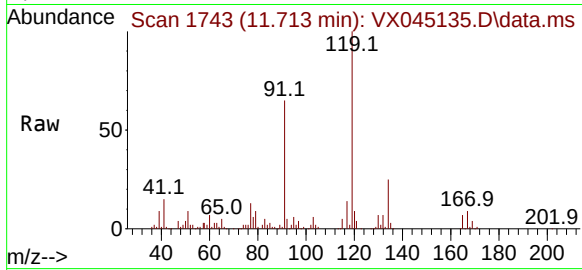
134 24.5 11.7 35.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#84

1,2,4-Trimethylbenzene

Concen: 20.383 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX045135.D

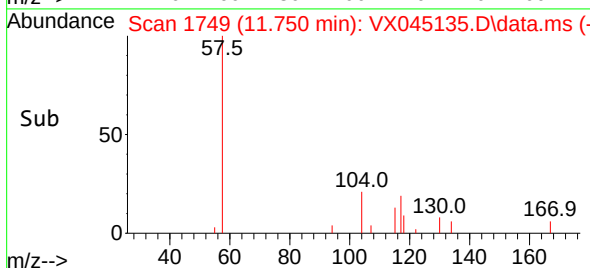
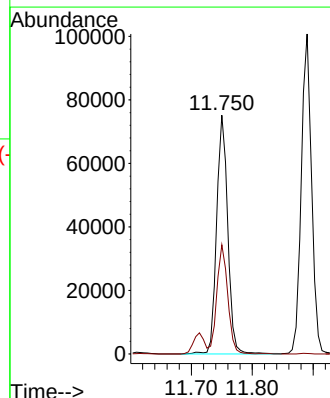
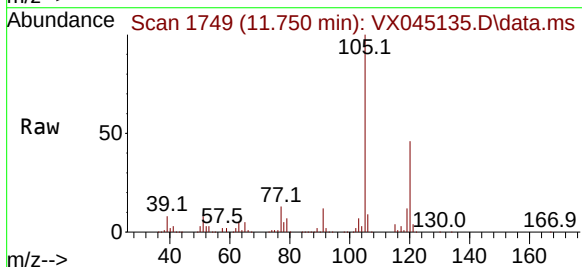
Acq: 05 Mar 2025 12:26

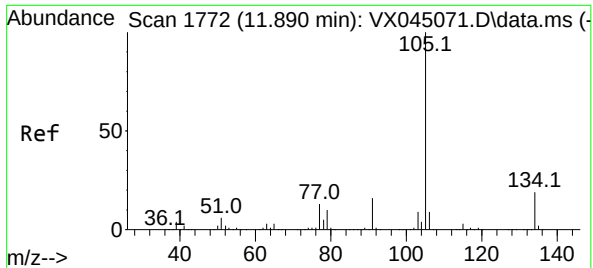
Tgt Ion:105 Resp: 95237

Ion Ratio Lower Upper

105 100

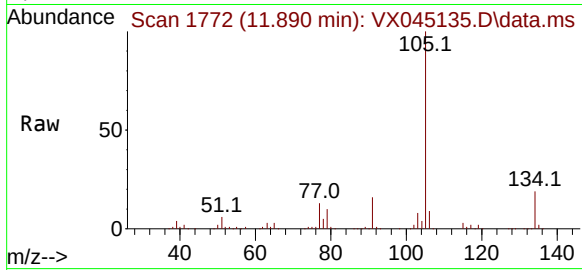
120 44.8 22.1 66.1





#85
 sec-Butylbenzene
 Concen: 20.635 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX045135.D
 Acq: 05 Mar 2025 12:26

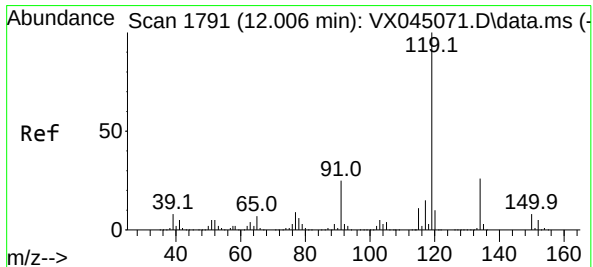
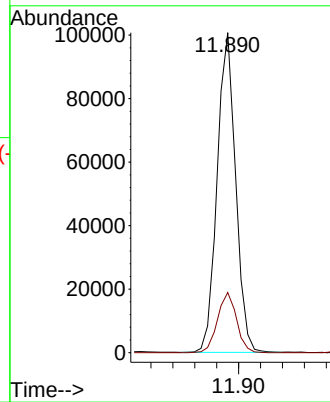
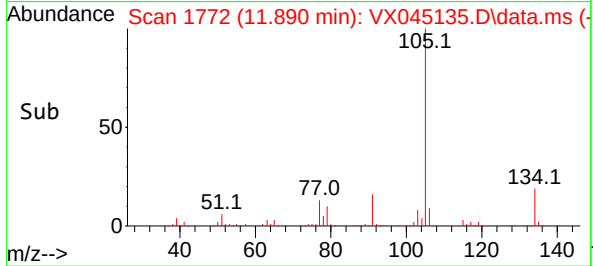
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0305WBSD01



Tgt Ion:105 Resp: 11793
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.4

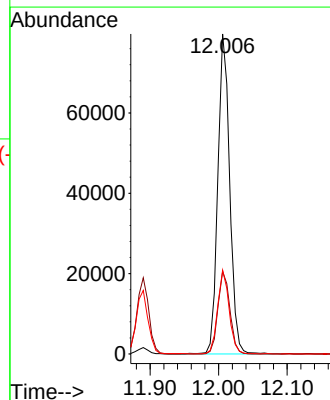
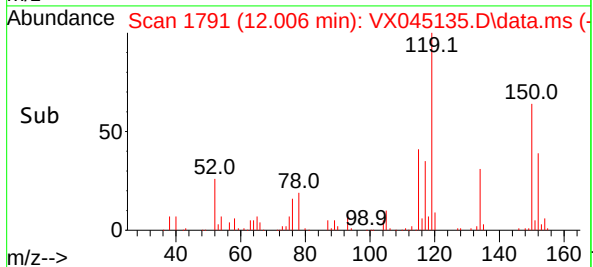
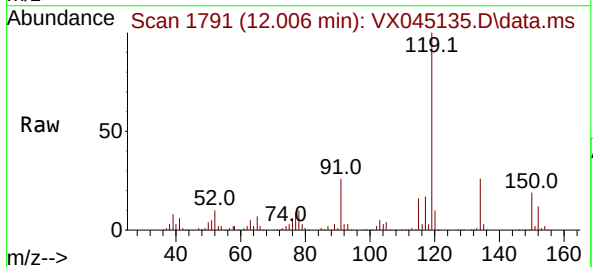
Manual Integrations
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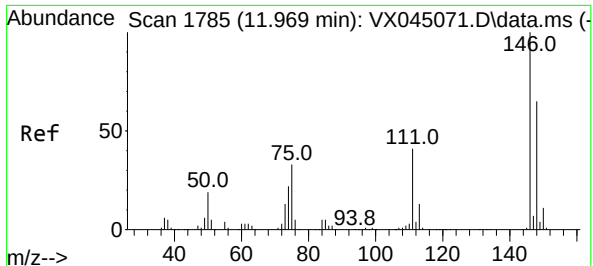
Reviewed By :John Carlone 03/06/2025
 Supervised By :Mahesh Dadoda 03/06/2025



#86
 p-Isopropyltoluene
 Concen: 20.787 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX045135.D
 Acq: 05 Mar 2025 12:26

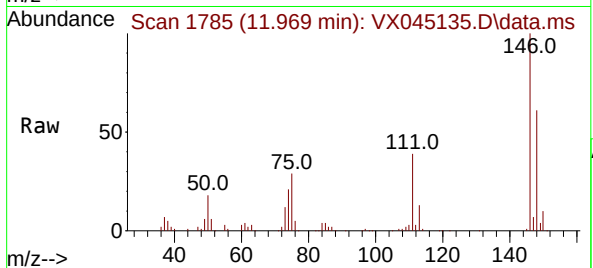
Tgt Ion:119 Resp: 96010
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.9 38.6
 91 25.6 12.7 38.0





#87
1,3-Dichlorobenzene
Concen: 20.262 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

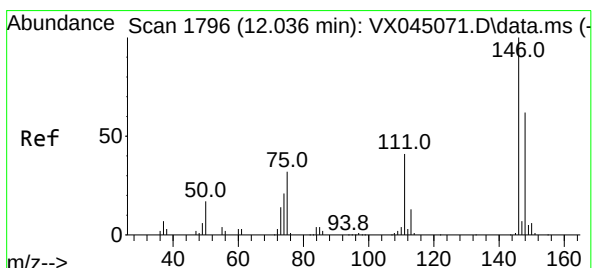
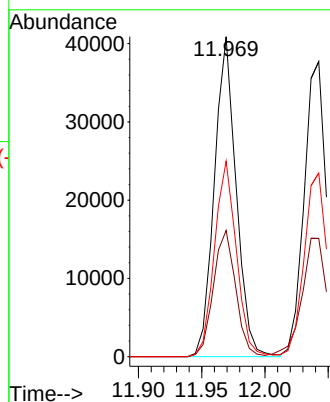
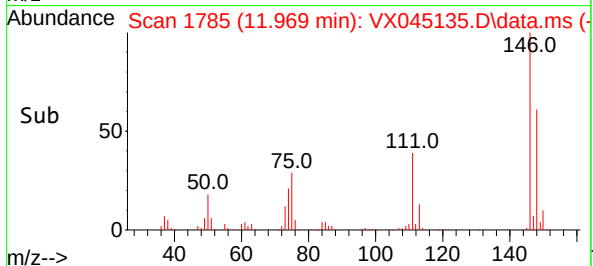
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01



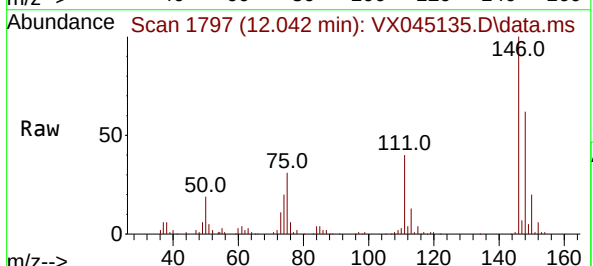
Tgt Ion:146 Resp: 4897
Ion Ratio Lower Upper
146 100
111 40.3 21.1 63.4
148 61.5 31.9 95.7

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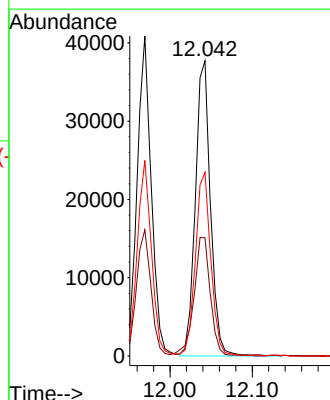
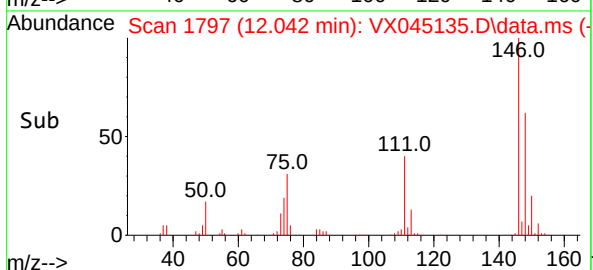
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025

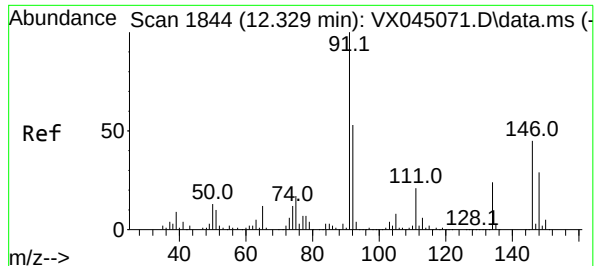


#88
1,4-Dichlorobenzene
Concen: 19.705 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26



Tgt Ion:146 Resp: 48188
Ion Ratio Lower Upper
146 100
111 43.8 20.2 60.5
148 63.3 31.9 95.9





#89

n-Butylbenzene

Concen: 20.717 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX045135.D

Acq: 05 Mar 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBSD01

Tgt Ion: 91 Resp: 8241

Ion Ratio Lower Upper

91 100

92 53.5 26.7 80.0

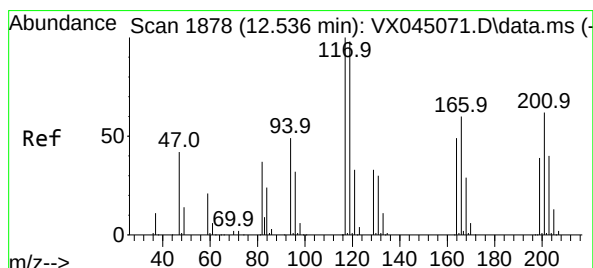
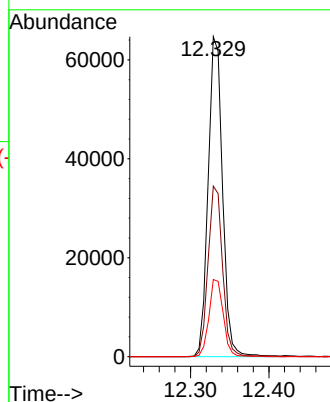
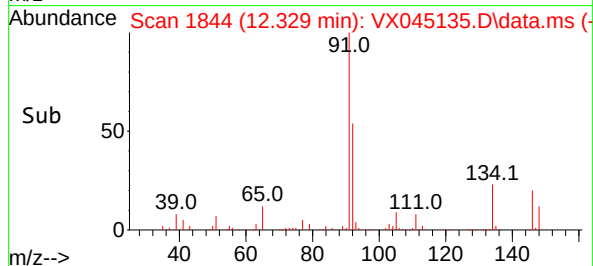
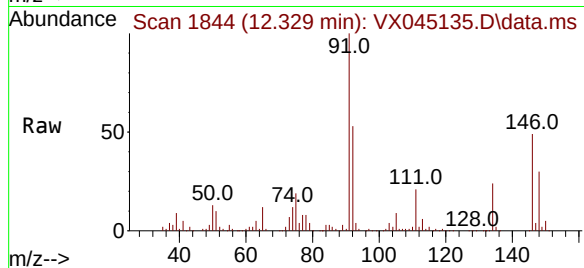
134 23.9 12.2 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/06/2025

Supervised By :Mahesh Dadoda 03/06/2025



#90

Hexachloroethane

Concen: 16.531 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX045135.D

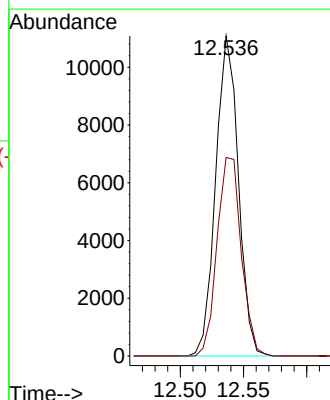
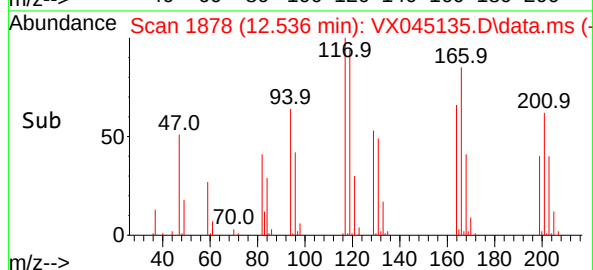
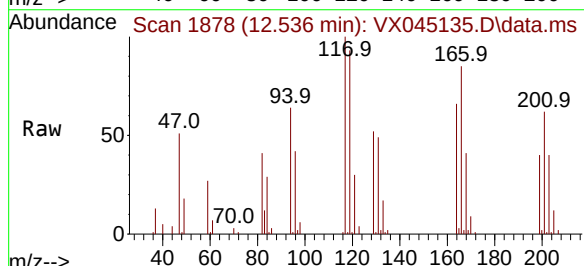
Acq: 05 Mar 2025 12:26

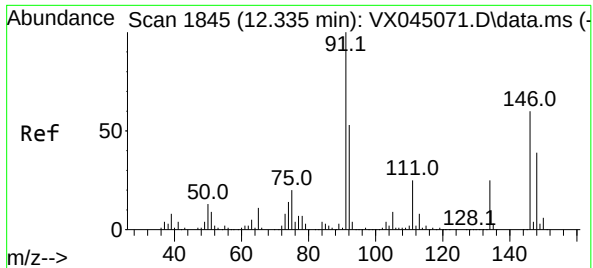
Tgt Ion:117 Resp: 13810

Ion Ratio Lower Upper

117 100

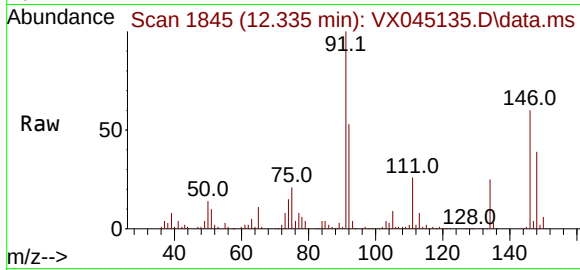
201 66.4 31.9 95.9





#91
1,2-Dichlorobenzene
Concen: 20.212 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

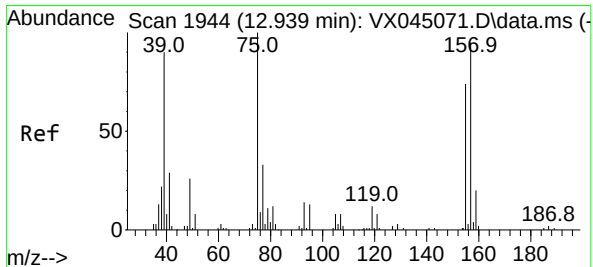
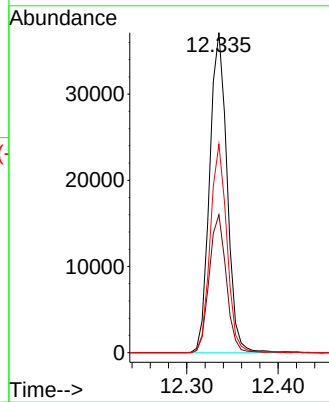
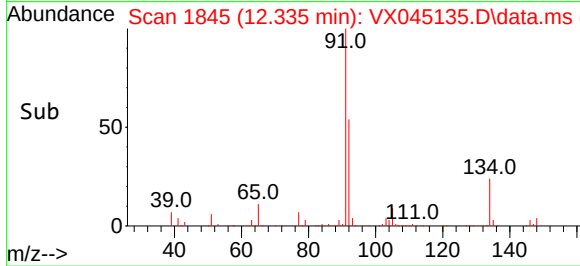
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01



Tgt Ion:146 Resp: 4901
Ion Ratio Lower Upper
146 100
111 42.4 21.6 65.0
148 62.2 31.9 95.9

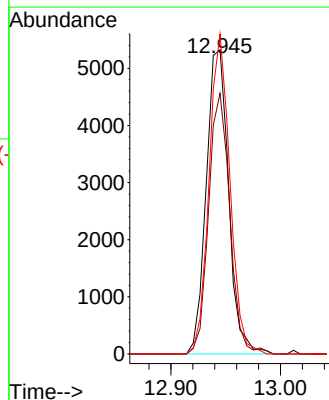
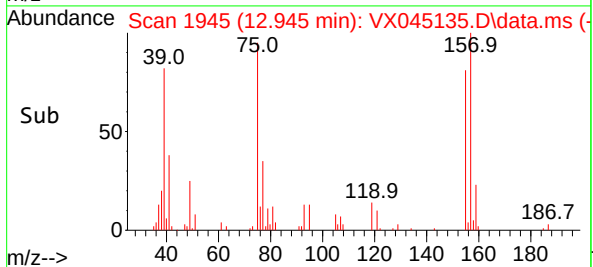
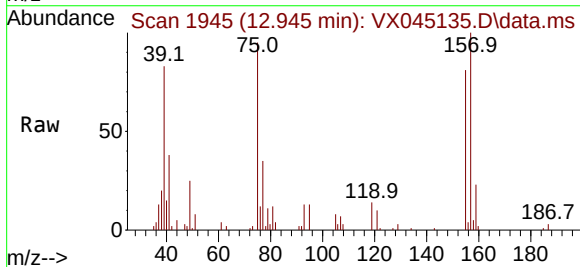
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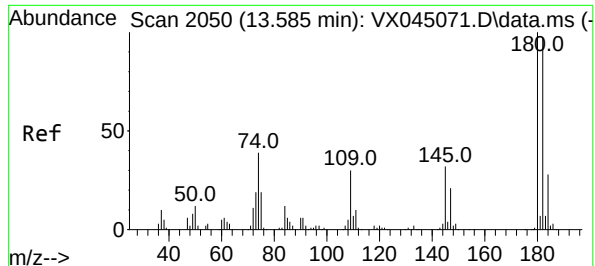
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.375 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion: 75 Resp: 7544
Ion Ratio Lower Upper
75 100
155 81.3 39.6 118.7
157 98.0 51.1 153.4





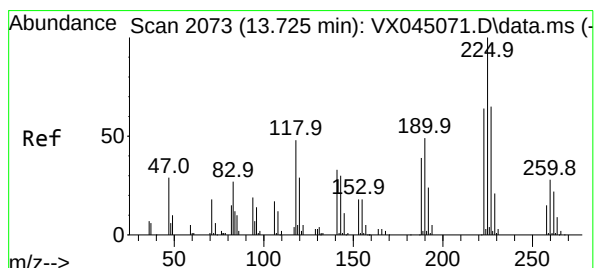
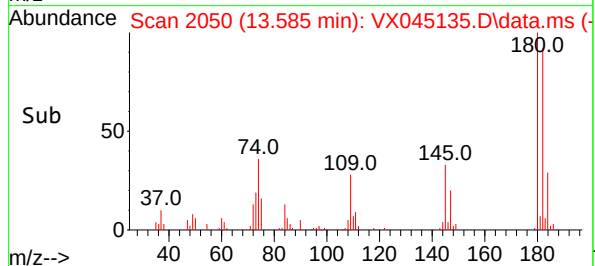
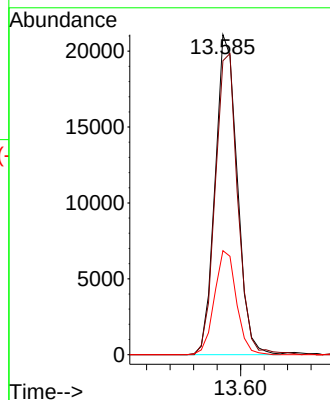
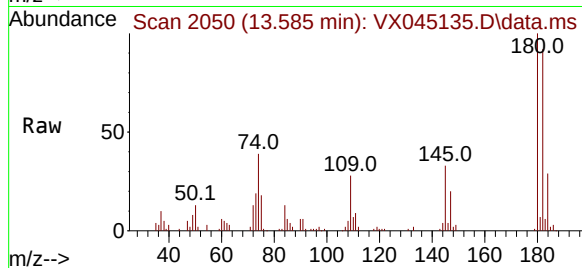
#93
1,2,4-Trichlorobenzene
Concen: 19.967 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Tgt Ion:180 Resp: 27569
Ion Ratio Lower Upper
180 100
182 95.6 47.3 141.9
145 32.3 16.3 48.9

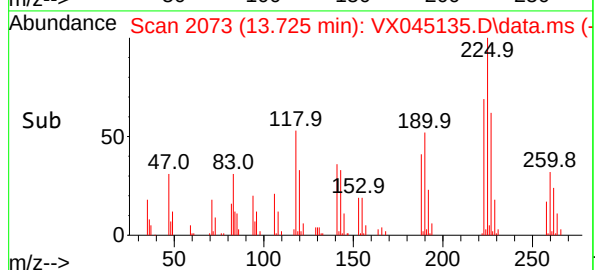
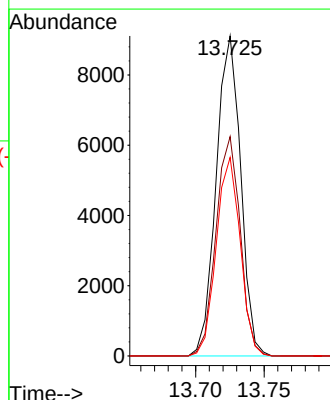
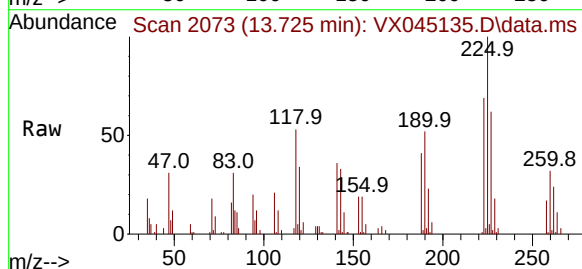
Manual Integrations
APPROVED

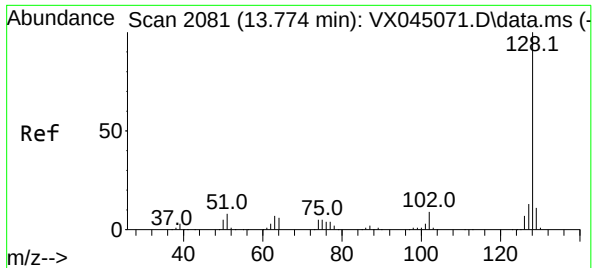
Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#94
Hexachlorobutadiene
Concen: 20.014 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

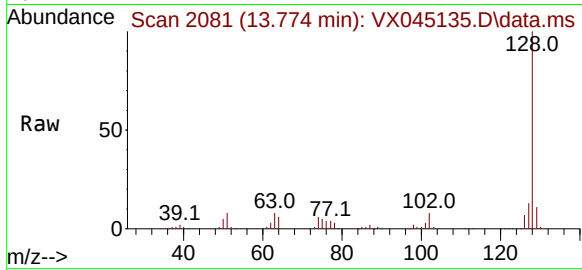
Tgt Ion:225 Resp: 11329
Ion Ratio Lower Upper
225 100
223 67.8 31.9 95.7
227 60.8 31.4 94.0





#95
Naphthalene
Concen: 20.398 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

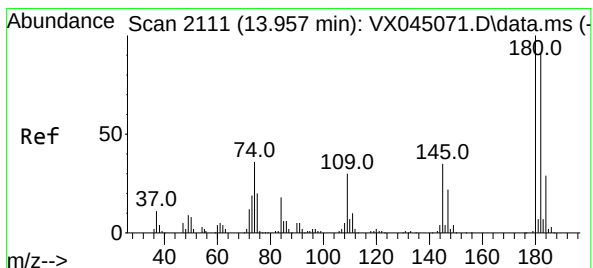
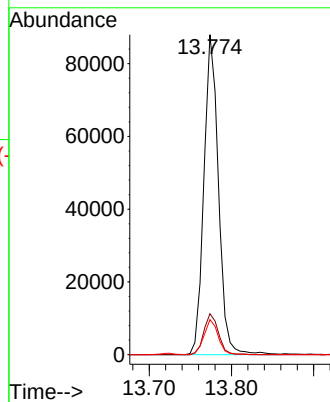
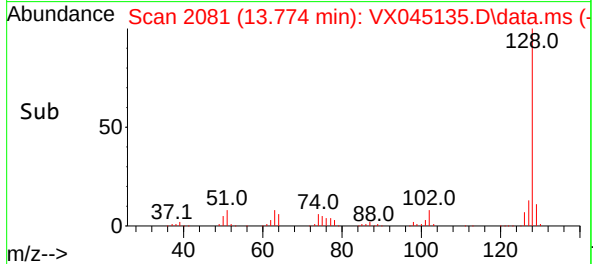
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01



Tgt Ion:128 Resp: 108208
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.7 8.7 13.1

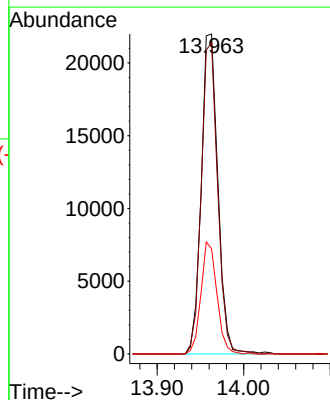
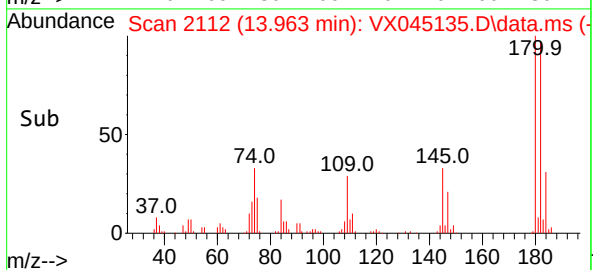
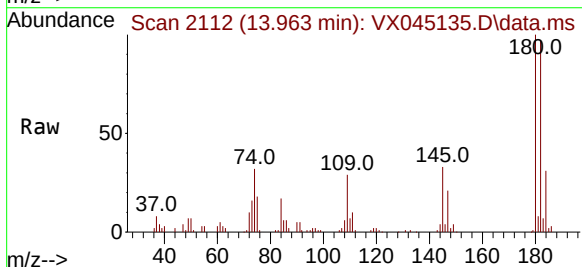
Manual Integrations
APPROVED

Reviewed By :John Carlone 03/06/2025
Supervised By :Mahesh Dadoda 03/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.147 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045135.D
Acq: 05 Mar 2025 12:26

Tgt Ion:180 Resp: 29345
Ion Ratio Lower Upper
180 100
182 95.7 47.5 142.6
145 33.5 17.0 50.9



Manual Integration Report

Sequence:

VX022825

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX045068.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	1,4-Dichlorobenzene	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Carbon Tetrachloride	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Chloroethane	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Ethyl Acetate	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Methacrylonitrile	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Methyl methacrylate	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC005	VX045069.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:14 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC005	VX045069.D	Tert butyl alcohol	JOHN	2/28/2025 10:05:14 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC020	VX045070.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:21 AM	MMDadoda	2/28/2025 11:09:33 AM	Peak Integrated by Software
VSTDICCC050	VX045071.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:25 AM	MMDadoda	2/28/2025 11:09:35 AM	Peak Integrated by Software
VSTDICC100	VX045072.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:30 AM	MMDadoda	2/28/2025 11:09:37 AM	Peak Integrated by Software
VSTDICC150	VX045073.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:33 AM	MMDadoda	2/28/2025 11:09:42 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

VX022825

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VX045075.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:38 AM	MMDadoda	2/28/2025 11:09:44 AM	Peak Integrated by Software
VSTDCCC050	VX045077.D	1,2,3-Trichloropropane	JOHN	3/3/2025 8:20:45 AM	MMDadoda	3/3/2025 1:49:43 PM	Peak Integrated by Software
VSTDCCC050	VX045077.D	Tert butyl alcohol	JOHN	3/3/2025 8:20:45 AM	MMDadoda	3/3/2025 1:49:43 PM	Peak Integrated by Software
VSTDCCC050	VX045098.D	1,2,3-Trichloropropane	JOHN	3/3/2025 8:20:59 AM	MMDadoda	3/3/2025 1:49:50 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VX030325

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX045100.D	1,2,3-Trichloropropane	JOHN	3/4/2025 8:27:05 AM	MMDadoda	3/4/2025 12:51:10 PM	Peak Integrated by Software
VX0303WBS01	VX045103.D	1,2,3-Trichloropropane	JOHN	3/4/2025 8:27:09 AM	MMDadoda	3/4/2025 12:51:11 PM	Peak Integrated by Software
VSTDCCC050	VX045117.D	1,2,3-Trichloropropane	JOHN	3/4/2025 8:27:31 AM	MMDadoda	3/4/2025 12:51:14 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VX030525

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX045127.D	1,2,3-Trichloropropane	JOHN	3/6/2025 8:19:47 AM	MMDadoda	3/6/2025 2:56:18 PM	Peak Integrated by Software
VX0305WBS01	VX045130.D	1,2,3-Trichloropropane	JOHN	3/6/2025 8:19:51 AM	MMDadoda	3/6/2025 2:56:16 PM	Peak Integrated by Software
VX0305WBSD01	VX045135.D	1,2,3-Trichloropropane	JOHN	3/6/2025 8:20:00 AM	MMDadoda	3/6/2025 2:56:17 PM	Peak Integrated by Software
VSTDCCC050	VX045153.D	1,2,3-Trichloropropane	JOHN	3/6/2025 8:21:33 AM	MMDadoda	3/6/2025 2:56:19 PM	Peak Integrated by Software

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX022825

Review By	Mahesh Dadoda	Review On	2/28/2025 11:09:50 AM
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM
SubDirectory	VX022825	HP Acquire Method	HP Processing Method 82X022825W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP133187,VP133189		
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199		
CCC	VP133188,VP133190		
Internal Standard/PEM			
ICV/I.BLK	VP133200		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045067.D	28 Feb 2025 01:03	JC/MD	Ok
2	VSTDICC001	VX045068.D	28 Feb 2025 01:27	JC/MD	Ok,M
3	VSTDICC005	VX045069.D	28 Feb 2025 02:13	JC/MD	Ok,M
4	VSTDICC020	VX045070.D	28 Feb 2025 02:37	JC/MD	Ok,M
5	VSTDICCC050	VX045071.D	28 Feb 2025 03:00	JC/MD	Ok,M
6	VSTDICC100	VX045072.D	28 Feb 2025 03:23	JC/MD	Ok,M
7	VSTDICC150	VX045073.D	28 Feb 2025 03:47	JC/MD	Ok,M
8	IBLK	VX045074.D	28 Feb 2025 04:10	JC/MD	Ok
9	VSTDICV050	VX045075.D	28 Feb 2025 04:33	JC/MD	Ok,M
10	BFB	VX045076.D	28 Feb 2025 10:03	JC/MD	Ok
11	VSTDCCC050	VX045077.D	28 Feb 2025 10:32	JC/MD	Ok,M
12	VX0228MBL01	VX045078.D	28 Feb 2025 11:00	JC/MD	Ok
13	VX0228WBL01	VX045079.D	28 Feb 2025 11:23	JC/MD	Ok
14	VX0228WBS01	VX045080.D	28 Feb 2025 11:46	JC/MD	Ok,M
15	VX0228WBSD01	VX045081.D	28 Feb 2025 12:13	JC/MD	Ok,M
16	Q1401-03	VX045082.D	28 Feb 2025 12:37	JC/MD	Ok
17	Q1401-06	VX045083.D	28 Feb 2025 13:00	JC/MD	Ok
18	Q1423-01	VX045084.D	28 Feb 2025 13:23	JC/MD	Ok
19	Q1423-03	VX045085.D	28 Feb 2025 13:47	JC/MD	Ok
20	Q1403-01	VX045086.D	28 Feb 2025 14:10	JC/MD	Ok
21	Q1403-02	VX045087.D	28 Feb 2025 14:33	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX022825

Review By	Maresh Dadoda	Review On	2/28/2025 11:09:50 AM
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM
SubDirectory	VX022825	HP Acquire Method	HP Processing Method 82X022825W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP133187,VP133189		
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199		
CCC	VP133188,VP133190		
Internal Standard/PEM			
ICV/I.BLK	VP133200		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1435-01	VX045088.D	28 Feb 2025 14:57	JC/MD	Ok
23	Q1403-04	VX045089.D	28 Feb 2025 15:20	JC/MD	Ok
24	Q1462-02	VX045090.D	28 Feb 2025 15:44	JC/MD	Ok
25	Q1469-01	VX045091.D	28 Feb 2025 16:07	JC/MD	Ok
26	Q1469-02	VX045092.D	28 Feb 2025 16:31	JC/MD	Ok
27	Q1469-03	VX045093.D	28 Feb 2025 16:54	JC/MD	Ok
28	Q1469-04	VX045094.D	28 Feb 2025 17:17	JC/MD	Ok
29	Q1403-03	VX045095.D	28 Feb 2025 17:41	JC/MD	Ok
30	Q1462-01	VX045096.D	28 Feb 2025 18:04	JC/MD	Ok,M
31	IBLK	VX045097.D	28 Feb 2025 18:27	JC/MD	Ok
32	VSTDCCC050	VX045098.D	28 Feb 2025 18:50	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX030325

Review By	John Carlone	Review On	3/4/2025 8:28:55 AM
Supervise By	Maresh Dadoda	Supervise On	3/4/2025 12:51:19 PM
SubDirectory	VX030325	HP Acquire Method	HP Processing Method 82X022825W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133201		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133202,VP133203		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045099.D	03 Mar 2025 08:18	JC/MD	Ok
2	VSTDCCC050	VX045100.D	03 Mar 2025 08:47	JC/MD	Ok,M
3	VX0303MBL01	VX045101.D	03 Mar 2025 09:16	JC/MD	Ok
4	VX0303WBL01	VX045102.D	03 Mar 2025 09:39	JC/MD	Ok
5	VX0303WBS01	VX045103.D	03 Mar 2025 10:37	JC/MD	Ok,M
6	VX0303WBSD01	VX045104.D	03 Mar 2025 11:07	JC/MD	Ok,M
7	PB166928TB	VX045105.D	03 Mar 2025 11:30	JC/MD	Ok
8	PB166928ZHE#01	VX045106.D	03 Mar 2025 11:53	JC/MD	Ok
9	Q1458-03	VX045107.D	03 Mar 2025 12:16	JC/MD	Ok
10	IBLK	VX045108.D	03 Mar 2025 13:23	JC/MD	Ok
11	Q1478-02	VX045109.D	03 Mar 2025 13:46	JC/MD	Dilution
12	Q1478-04	VX045110.D	03 Mar 2025 14:09	JC/MD	Dilution
13	Q1478-06	VX045111.D	03 Mar 2025 14:31	JC/MD	Dilution
14	IBLK	VX045112.D	03 Mar 2025 14:54	JC/MD	Ok
15	IBLK	VX045113.D	03 Mar 2025 15:17	JC/MD	Ok
16	IBLK	VX045114.D	03 Mar 2025 15:40	JC/MD	Ok
17	IBLK	VX045115.D	03 Mar 2025 16:03	JC/MD	Ok
18	Q1480-33	VX045116.D	03 Mar 2025 16:35	JC/MD	Ok
19	VSTDCCC050	VX045117.D	03 Mar 2025 16:58	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX030525

Review By	John Carlone	Review On	3/6/2025 8:28:41 AM
Supervise By	Maresh Dadoda	Supervise On	3/6/2025 2:56:36 PM
SubDirectory	VX030525	HP Acquire Method	HP Processing Method 82X022825W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133217		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133218,VP133219		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045126.D	05 Mar 2025 08:40	JC/MD	Ok
2	VSTDCCC050	VX045127.D	05 Mar 2025 09:12	JC/MD	Ok,M
3	VX0305MBL01	VX045128.D	05 Mar 2025 09:39	JC/MD	Ok
4	VX0305WBL01	VX045129.D	05 Mar 2025 10:03	JC/MD	Ok
5	VX0305WBS01	VX045130.D	05 Mar 2025 10:26	JC/MD	Ok,M
6	VX0305MBS01	VX045131.D	05 Mar 2025 10:53	JC/MD	Ok,M
7	Q1480-17	VX045132.D	05 Mar 2025 11:16	JC/MD	Ok
8	Q1448-04ME	VX045133.D	05 Mar 2025 11:40	JC/MD	Ok
9	IBLK	VX045134.D	05 Mar 2025 12:03	JC/MD	Ok
10	VX0305WBSD01	VX045135.D	05 Mar 2025 12:26	JC/MD	Ok,M
11	Q1478-04DL	VX045136.D	05 Mar 2025 12:50	JC/MD	Ok
12	Q1478-06DL	VX045137.D	05 Mar 2025 13:13	JC/MD	Ok
13	Q1478-02DL	VX045138.D	05 Mar 2025 13:36	JC/MD	Not Ok
14	Q1478-08	VX045139.D	05 Mar 2025 13:59	JC/MD	Not Ok
15	VX0305MBSD01	VX045140.D	05 Mar 2025 14:23	JC/MD	Ok,M
16	Q1448-04MEDL	VX045141.D	05 Mar 2025 14:46	JC/MD	Not Ok
17	IBLK	VX045142.D	05 Mar 2025 15:09	JC/MD	Ok
18	Q1478-08	VX045143.D	05 Mar 2025 15:32	JC/MD	Not Ok
19	Q1478-02DL	VX045144.D	05 Mar 2025 15:56	JC/MD	Ok
20	Q1478-08	VX045145.D	05 Mar 2025 16:19	JC/MD	Ok
21	Q1501-03	VX045146.D	05 Mar 2025 16:42	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QCBatch ID # VX030525

Review By	John Carlone	Review On	3/6/2025 8:28:41 AM
Supervise By	Maresh Dadoda	Supervise On	3/6/2025 2:56:36 PM
SubDirectory	VX030525	HP Acquire Method	HP Processing Method 82X022825W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133217		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133218,VP133219		

22	Q1501-07	VX045147.D	05 Mar 2025 17:05	JC/MD	Ok
23	Q1501-04	VX045148.D	05 Mar 2025 17:28	JC/MD	Not Ok
24	Q1488-15	VX045149.D	05 Mar 2025 17:52	JC/MD	Ok
25	Q1488-13	VX045150.D	05 Mar 2025 18:15	JC/MD	Ok
26	Q1488-14	VX045151.D	05 Mar 2025 18:38	JC/MD	Dilution
27	Q1494-01	VX045152.D	05 Mar 2025 19:01	JC/MD	ReRun
28	VSTDCCC050	VX045153.D	05 Mar 2025 19:24	JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX022825

Review By	Mahesh Dadoda	Review On	2/28/2025 11:09:50 AM
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM
SubDirectory	VX022825	HP Acquire Method	HP Processing Method 82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133187,VP133189
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199
CCC	VP133188,VP133190
Internal Standard/PEM	
ICV/I.BLK	VP133200
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX045067.D	28 Feb 2025 01:03		JC/MD	Ok
2	VSTDIC001	VSTDIC001	VX045068.D	28 Feb 2025 01:27		JC/MD	Ok,M
3	VSTDIC005	VSTDIC005	VX045069.D	28 Feb 2025 02:13		JC/MD	Ok,M
4	VSTDIC020	VSTDIC020	VX045070.D	28 Feb 2025 02:37		JC/MD	Ok,M
5	VSTDIC050	VSTDIC050	VX045071.D	28 Feb 2025 03:00		JC/MD	Ok,M
6	VSTDIC100	VSTDIC100	VX045072.D	28 Feb 2025 03:23		JC/MD	Ok,M
7	VSTDIC150	VSTDIC150	VX045073.D	28 Feb 2025 03:47		JC/MD	Ok,M
8	IBLK	IBLK	VX045074.D	28 Feb 2025 04:10		JC/MD	Ok
9	VSTDICV050	ICVVX022825	VX045075.D	28 Feb 2025 04:33		JC/MD	Ok,M
10	BFB	BFB	VX045076.D	28 Feb 2025 10:03		JC/MD	Ok
11	VSTDCCC050	VSTDCCC050	VX045077.D	28 Feb 2025 10:32	V12668	JC/MD	Ok,M
12	VX0228MBL01	VX0228MBL01	VX045078.D	28 Feb 2025 11:00		JC/MD	Ok
13	VX0228WBL01	VX0228WBL01	VX045079.D	28 Feb 2025 11:23		JC/MD	Ok
14	VX0228WBS01	VX0228WBS01	VX045080.D	28 Feb 2025 11:46		JC/MD	Ok,M
15	VX0228WBSD01	VX0228WBSD01	VX045081.D	28 Feb 2025 12:13		JC/MD	Ok,M
16	Q1401-03	BP-VPB-192-GW-840-8	VX045082.D	28 Feb 2025 12:37	vial B pH<2	JC/MD	Ok
17	Q1401-06	BP-VPB-192-GW-900-9	VX045083.D	28 Feb 2025 13:00	vial B pH<2	JC/MD	Ok
18	Q1423-01	BP-VPB-192-TB-20250	VX045084.D	28 Feb 2025 13:23	vial B pH<2 TB	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX022825

Review By	Maresh Dadoda	Review On	2/28/2025 11:09:50 AM
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM
SubDirectory	VX022825	HP Acquire Method	HP Processing Method 82X022825W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP133187,VP133189		
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199		
CCC	VP133188,VP133190		
Internal Standard/PEM			
ICV/I.BLK	VP133200		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q1423-03	BP-VPB-192-EB-20250	VX045085.D	28 Feb 2025 13:47	vial B pH<2 EB	JC/MD	Ok
20	Q1403-01	Storage-Blank-SOIL-RE	VX045086.D	28 Feb 2025 14:10	vial B pH<2	JC/MD	Ok
21	Q1403-02	Storage-Blank-WATER-	VX045087.D	28 Feb 2025 14:33	vial B pH<2	JC/MD	Ok
22	Q1435-01	286107	VX045088.D	28 Feb 2025 14:57	vial A pH<2	JC/MD	Ok
23	Q1403-04	Storage-Blank-SAMPLE	VX045089.D	28 Feb 2025 15:20	vial B pH<2	JC/MD	Ok
24	Q1462-02	FB	VX045090.D	28 Feb 2025 15:44	vial A pH<2 FB	JC/MD	Ok
25	Q1469-01	Storage-Blank-SOIL-RE	VX045091.D	28 Feb 2025 16:07	vial A pH<2	JC/MD	Ok
26	Q1469-02	Storage-Blank-WATER-	VX045092.D	28 Feb 2025 16:31	vial A pH<2	JC/MD	Ok
27	Q1469-03	Storage-Blank-WATER-	VX045093.D	28 Feb 2025 16:54	vial A pH<2	JC/MD	Ok
28	Q1469-04	Storage-Blank-SAMPLE	VX045094.D	28 Feb 2025 17:17	vial A pH<2	JC/MD	Ok
29	Q1403-03	Storage-Blank-WATER-	VX045095.D	28 Feb 2025 17:41	vial B pH<2	JC/MD	Ok
30	Q1462-01	MW2	VX045096.D	28 Feb 2025 18:04	vial A pH<2	JC/MD	Ok,M
31	IBLK	IBLK	VX045097.D	28 Feb 2025 18:27		JC/MD	Ok
32	VSTDCCC050	VSTDCCC050EC	VX045098.D	28 Feb 2025 18:50		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX030325

Review By	John Carlone	Review On	3/4/2025 8:28:55 AM
Supervise By	Maresh Dadoda	Supervise On	3/4/2025 12:51:19 PM
SubDirectory	VX030325	HP Acquire Method	HP Processing Method 82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133201
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133202,VP133203

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX045099.D	03 Mar 2025 08:18		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX045100.D	03 Mar 2025 08:47	V12668	JC/MD	Ok,M
3	VX0303MBL01	VX0303MBL01	VX045101.D	03 Mar 2025 09:16		JC/MD	Ok
4	VX0303WBL01	VX0303WBL01	VX045102.D	03 Mar 2025 09:39		JC/MD	Ok
5	VX0303WBS01	VX0303WBS01	VX045103.D	03 Mar 2025 10:37		JC/MD	Ok,M
6	VX0303WBSD01	VX0303WBSD01	VX045104.D	03 Mar 2025 11:07		JC/MD	Ok,M
7	PB166928TB	PB166928TB	VX045105.D	03 Mar 2025 11:30		JC/MD	Ok
8	PB166928ZHE#01	PB166928ZHE#01	VX045106.D	03 Mar 2025 11:53		JC/MD	Ok
9	Q1458-03	SP-SOIL	VX045107.D	03 Mar 2025 12:16	vial A pH#5.0	JC/MD	Ok
10	IBLK	IBLK	VX045108.D	03 Mar 2025 13:23		JC/MD	Ok
11	Q1478-02	IDW-AQ-DRUM-610-02	VX045109.D	03 Mar 2025 13:46	vial A pH<2 Need 500X	JC/MD	Dilution
12	Q1478-04	IDW-AQ-DRUM-616-02	VX045110.D	03 Mar 2025 14:09	vial A pH<2 Need 4X	JC/MD	Dilution
13	Q1478-06	IDW-AQ-DRUM-614-02	VX045111.D	03 Mar 2025 14:31	vial A pH<2 Need 10X	JC/MD	Dilution
14	IBLK	IBLK	VX045112.D	03 Mar 2025 14:54		JC/MD	Ok
15	IBLK	IBLK	VX045113.D	03 Mar 2025 15:17		JC/MD	Ok
16	IBLK	IBLK	VX045114.D	03 Mar 2025 15:40		JC/MD	Ok
17	IBLK	IBLK	VX045115.D	03 Mar 2025 16:03		JC/MD	Ok
18	Q1480-33	TP-3-WATER-SAMPLE	VX045116.D	03 Mar 2025 16:35	vial A pH<2	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX030325

Review By	John Carlone	Review On	3/4/2025 8:28:55 AM				
Supervise By	Mahesh Dadoda	Supervise On	3/4/2025 12:51:19 PM				
SubDirectory	VX030325	HP Acquire Method	HP Processing Method		82X022825W.M		
STD. NAME		STD REF.#					
Tune/Reschk Initial Calibration Stds		VP133201					
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard		VP133202,VP133203					
19	VSTDCCC050	VSTDCCC050EC	VX045117.D	03 Mar 2025 16:58		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX030525

Review By	John Carlone	Review On	3/6/2025 8:28:41 AM
Supervise By	Maresh Dadoda	Supervise On	3/6/2025 2:56:36 PM
SubDirectory	VX030525	HP Acquire Method	HP Processing Method 82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133217
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133218,VP133219

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX045126.D	05 Mar 2025 08:40		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX045127.D	05 Mar 2025 09:12	pH#Lot#V12668	JC/MD	Ok,M
3	VX0305MBL01	VX0305MBL01	VX045128.D	05 Mar 2025 09:39		JC/MD	Ok
4	VX0305WBL01	VX0305WBL01	VX045129.D	05 Mar 2025 10:03		JC/MD	Ok
5	VX0305WBS01	VX0305WBS01	VX045130.D	05 Mar 2025 10:26		JC/MD	Ok,M
6	VX0305MBS01	VX0305MBS01	VX045131.D	05 Mar 2025 10:53		JC/MD	Ok,M
7	Q1480-17	TP-3	VX045132.D	05 Mar 2025 11:16		JC/MD	Ok
8	Q1448-04ME	P3ME	VX045133.D	05 Mar 2025 11:40		JC/MD	Ok
9	IBLK	IBLK	VX045134.D	05 Mar 2025 12:03		JC/MD	Ok
10	VX0305WBSD01	VX0305WBSD01	VX045135.D	05 Mar 2025 12:26		JC/MD	Ok,M
11	Q1478-04DL	IDW-AQ-DRUM-616-02	VX045136.D	05 Mar 2025 12:50	vial B pH<2	JC/MD	Ok
12	Q1478-06DL	IDW-AQ-DRUM-614-02	VX045137.D	05 Mar 2025 13:13	vial B pH<2	JC/MD	Ok
13	Q1478-02DL	IDW-AQ-DRUM-610-02	VX045138.D	05 Mar 2025 13:36	Not req.	JC/MD	Not Ok
14	Q1478-08	IDW-AQ-DRUM-612-02	VX045139.D	05 Mar 2025 13:59	Need lower dilution	JC/MD	Not Ok
15	VX0305MBSD01	VX0305MBSD01	VX045140.D	05 Mar 2025 14:23		JC/MD	Ok,M
16	Q1448-04MEDL	P3MEDL	VX045141.D	05 Mar 2025 14:46	Not req.	JC/MD	Not Ok
17	IBLK	IBLK	VX045142.D	05 Mar 2025 15:09		JC/MD	Ok
18	Q1478-08	IDW-AQ-DRUM-612-02	VX045143.D	05 Mar 2025 15:32	Need lower dilution	JC/MD	Not Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX030525

Review By	John Carlone	Review On	3/6/2025 8:28:41 AM
Supervise By	Maresh Dadoda	Supervise On	3/6/2025 2:56:36 PM
SubDirectory	VX030525	HP Acquire Method	HP Processing Method 82X022825W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133217		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133218,VP133219		

19	Q1478-02DL	IDW-AQ-DRUM-610-02	VX045144.D	05 Mar 2025 15:56	vial B pH<2	JC/MD	Ok
20	Q1478-08	IDW-AQ-DRUM-612-02	VX045145.D	05 Mar 2025 16:19	vial A pH<2	JC/MD	Ok
21	Q1501-03	EB01-030525	VX045146.D	05 Mar 2025 16:42	vial A pH<2 EB	JC/MD	Ok
22	Q1501-07	TB01-030525	VX045147.D	05 Mar 2025 17:05	vial A pH<2 TB	JC/MD	Ok
23	Q1501-04	BR-05-465-030525	VX045148.D	05 Mar 2025 17:28	Need Straight Run	JC/MD	Not Ok
24	Q1488-15	TB03042025	VX045149.D	05 Mar 2025 17:52	vial A pH<2 TB	JC/MD	Ok
25	Q1488-13	ENV-102-GW01	VX045150.D	05 Mar 2025 18:15	vial A pH<2	JC/MD	Ok
26	Q1488-14	ENV-104-GW01	VX045151.D	05 Mar 2025 18:38	vial A pH<2 Need 4X	JC/MD	Dilution
27	Q1494-01	PURGE-WATER	VX045152.D	05 Mar 2025 19:01	vial A pH<2 E flag in previous sample	JC/MD	ReRun
28	VSTDCCC050	VSTDCCC050EC	VX045153.D	05 Mar 2025 19:24		JC/MD	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 3/4/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 03/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:05
Out Date: 03/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134870

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q1472-01	40308	1	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1474-01	BU-03-02282025	2	1.15	8.63	9.78	9.2	93.3	
Q1474-02	BU-03-02282025	3	1.15	8.45	9.6	8.7	89.3	
Q1475-01	TR-04-02282025	4	1.12	8.67	9.79	9.06	91.6	
Q1475-02	TR-04-02282025-E2	5	1.16	8.72	9.88	9.44	95.0	
Q1476-02	TRE-25-0016	6	1.18	8.57	9.75	9.18	93.3	
Q1476-03	TRE-25-0017	7	1.00	1.00	2.00	2.00	100.0	debris
Q1478-14	IDW-SO-COMP-022825	8	1.15	8.82	9.97	8.59	84.4	
Q1478-15	IDW-SO-DRUM-585-022825	9	1.18	8.68	9.86	8.56	85.0	
Q1478-16	IDW-SO-DRUM-585-022825	10	1.18	8.45	9.63	8.23	83.4	
Q1479-01	P5	11	1.14	8.64	9.78	8.89	89.7	
Q1479-02	DSP2	12	1.15	8.75	9.9	9.1	90.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

131870

WorkList Name : %1-030325

WorkList ID : 187978

Department : Wet-Chemistry

Date : 03-03-2025 07:39:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1472-01	40308	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/28/2025	Chemtech -SO
Q1474-01	BU-03-02282025	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/28/2025	Chemtech -SO
Q1474-02	BU-03-02282025	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/28/2025	Chemtech -SO
Q1475-01	TR-04-02282025	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/28/2025	Chemtech -SO
Q1475-02	TR-04-02282025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/28/2025	Chemtech -SO
Q1476-02	TRE-25-0016	Solid	Percent Solids	Cool 4 deg C	PSEG05	H31	02/28/2025	Chemtech -SO
Q1476-03	TRE-25-0017	Solid	Percent Solids	Cool 4 deg C	PSEG03	H31	02/28/2025	Chemtech -SO
Q1478-14	IDW-SO-COMP-022825	Solid	Percent Solids	Cool 4 deg C	JACO05	H31	02/28/2025	Chemtech -SO
Q1478-15	IDW-SO-DRUM-585-022825	Solid	Percent Solids	Cool 4 deg C	JACO05	H31	02/28/2025	Chemtech -SO
Q1478-16	IDW-SO-DRUM-585-022825	Solid	Percent Solids	Cool 4 deg C	JACO05	H31	02/28/2025	Chemtech -SO
Q1479-01	P5	Solid	Percent Solids	Cool 4 deg C	GENV01	H31	03/03/2025	Chemtech -SO
Q1479-02	DSP2	Solid	Percent Solids	Cool 4 deg C	GENV01	H31	03/03/2025	Chemtech -SO

Date/Time 03/03/25 15:30

Raw Sample Received by: SP WCI

Raw Sample Relinquished by: CP SM

Date/Time 03/03/25 17:10

Raw Sample Received by: CP SM

Raw Sample Relinquished by: SP WCI

Prep Standard - Chemical Standard Summary

Order ID : Q1478

Test : VOC-TCLVOA-10

Prepbatch ID :

Sequence ID/Qc Batch ID: VX030325,VX030525,

Standard ID :

VP131746,VP131767,VP132035,VP132096,VP133036,VP133174,VP133178,VP133201,VP133202,VP133203,VP133217,VP133218,VP133219,

Chemical ID :

V13391,V13457,V13460,V13465,V13466,V13706,V14154,V14175,V14176,V14289,V14433,V14439,V14521,V14522,V14613,V14614,V14624,V14630,V14631,V14632,V14633,V14722,V14723,V14724,V14744,V14754,V14809,V14814,V14842,V14872,V14873,V14874,V14875,W3112,

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
247	8260 Internal Standard, 250PPM	VP131746	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								11/23/2024

FROM 0.50000ml of V14289 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
218	BFB, 25PPM	VP131767	11/22/2024	05/18/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								11/27/2024

FROM 0.50000ml of V13391 + 49.50000ml of V14154 = 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>
1810	8260 Working Std(2-CVE)-800ppm	VP132035	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = 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>
719	8260 Working STD (BCM)-First source, 400PPM	VP132096	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 1.00000ml of V13465 + 1.00000ml of V13466 + 1.50000ml of V13457 + 1.50000ml of V13460 + 20.00000ml of V14614 = Final
Quantity: 25.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
51	8260 Working STD (Acrolein) -first source, 800PPM	VP133036	02/14/2025	03/13/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								02/18/2025

FROM 1.00000ml of V14872 + 1.00000ml of V14873 + 1.00000ml of V14874 + 1.00000ml of V14875 + 21.00000ml of V14624 = 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>
617	8260 Surrogate, 400PPM	VP133174	02/27/2025	08/27/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								03/04/2025

FROM 0.40000ml of V13706 + 24.60000ml of V14613 = Final Quantity: 25.000 ml



VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
257	8260 Calibration Working STD Mix-First source, 160PPM	VP133178	02/27/2025	03/31/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025
<u>FROM</u>	0.40000ml of V14842 + 1.00000ml of V14175 + 1.00000ml of V14176 + 1.00000ml of V14433 + 1.00000ml of V14439 + 1.00000ml of V14521 + 1.00000ml of V14522 + 1.00000ml of V14724 + 1.00000ml of V14744 + 1.00000ml of V14754 + 1.00000ml of V14809 + 1.00000ml of V14814 + 1.50000ml of V14722 + 1.50000ml of V14723 + 10.60000ml of V14613 = 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	VP133201	03/03/2025	03/04/2025	John Carlone	None	None	Mahesh Dadoda 03/07/2025
<u>FROM</u> 39.98400ml of W3112 + 0.01600ml of VP131767 = 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	VP133202	03/03/2025	03/04/2025	John Carlone	None	None	Mahesh Dadoda 03/07/2025
<u>FROM</u>	39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133036 + 0.01250ml of VP133178 = 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	VP133203	03/03/2025	03/04/2025	John Carlone	None	None	Mahesh Dadoda 03/07/2025
<u>FROM</u> 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133036 + 0.01250ml of VP133178 = Final Quantity: 40.000 ml								

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
589	BFB TUNE CHECK	VP133217	03/05/2025	03/06/2025	John Carlone	None	None	Maresh Dadoda
								03/07/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = 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	VP133218	03/05/2025	03/06/2025	John Carlone	None	None	Maresh Dadoda
								03/07/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133036 + 0.01250ml of VP133178 = 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	VP133219	03/05/2025	03/06/2025	John Carlone	None	None	Mahesh Dadoda 03/07/2025
<u>FROM</u>	39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133036 + 0.01250ml of VP133178 = 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 tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13457

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13460

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13465

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13466

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	02/27/2026	02/27/2025 / SAM	04/12/2023 / SAM	V13706

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	05/18/2025	11/18/2024 / pedro	02/06/2024 / SAM	V14154

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14175

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14176

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	11/22/2025	11/22/2024 / SAM	04/15/2024 / SAM	V14289

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	A0209618	07/10/2025	01/10/2025 / SAM	08/15/2024 / SAM	V14433

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	A0209618	07/10/2025	01/10/2025 / SAM	08/15/2024 / SAM	V14439

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	07/10/2025	01/10/2025 / SAM	09/18/2024 / SAM	V14521

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)	091724	07/10/2025	01/10/2025 / SAM	09/18/2024 / SAM	V14522

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	08/27/2025	02/27/2025 / SAM	11/26/2024 / SAM	V14613

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	06/10/2025	12/10/2024 / SAM	11/26/2024 / SAM	V14614

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)	23I0762004	07/13/2025	01/13/2025 / SAM	11/26/2024 / SAM	V14624

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14630

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14631

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14632

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14633

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	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14722

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	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14723

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	A02110618	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14724

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	A0216826	08/27/2025	02/27/2025 / SAM	12/17/2024 / SAM	V14744

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	A0216826	05/31/2031	01/10/2025 / SAM	12/17/2024 / SAM	V14754

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	A0220471	07/10/2025	01/10/2025 / SAM	01/08/2025 / SAM	V14809

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	A0220471	07/10/2025	01/10/2025 / SAM	01/08/2025 / SAM	V14814

LOTS

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	A0217535	08/27/2025	02/27/2025 / SAM	01/21/2025 / SAM	V14842

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14872

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)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14873

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 23I0762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

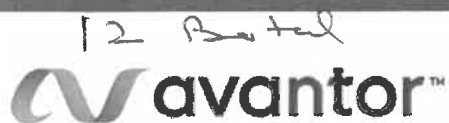
Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	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

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

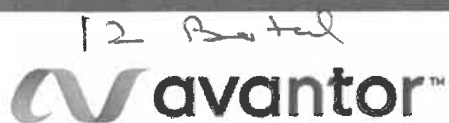
Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



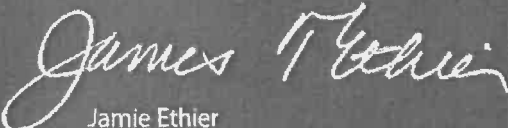
Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality



Certified Reference Material CRM

5 114

Dec 02/14/25



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Solvent(s): Lot#
Water 072324Q

✓ 14872 to
✓ 14876

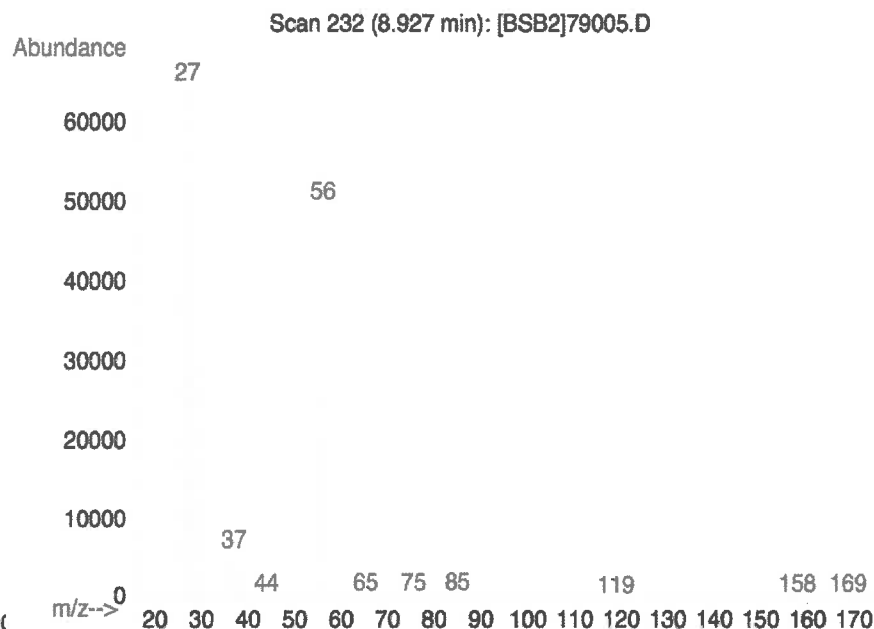
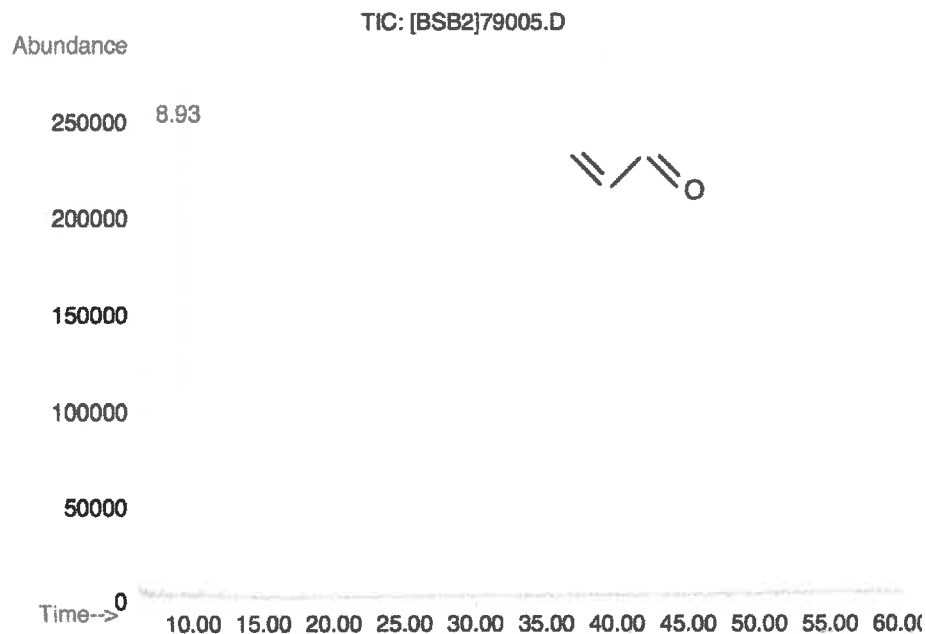
Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 10.0 5E-05 Balance Uncertainty 0.001 Flask Uncertainty

		021325
Formulated By:	Anthony Mahoney	DATE
		021325
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. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.)
Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately
Long term storage is not recommended. Please contact our technical department if further information is required.



- 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).

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	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	Use in ventilated area	H315	Causes skin and eye irritation.
P302,332	If on skin, wash with soap and water	P280	Use gloves, eye protection/face shield
		P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#: 7732-18-5	% (optional)
Water		> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	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	

Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	0°C
Solubility in Water	Completely miscible	NA	NA
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)	IATA
Not dangerous goods	Not dangerous goods
Proper shipping name: Water	Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM

5 114

Dec 02/14/25



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Solvent(s): Lot#
Water 072324Q

✓ 14872 to
✓ 14876

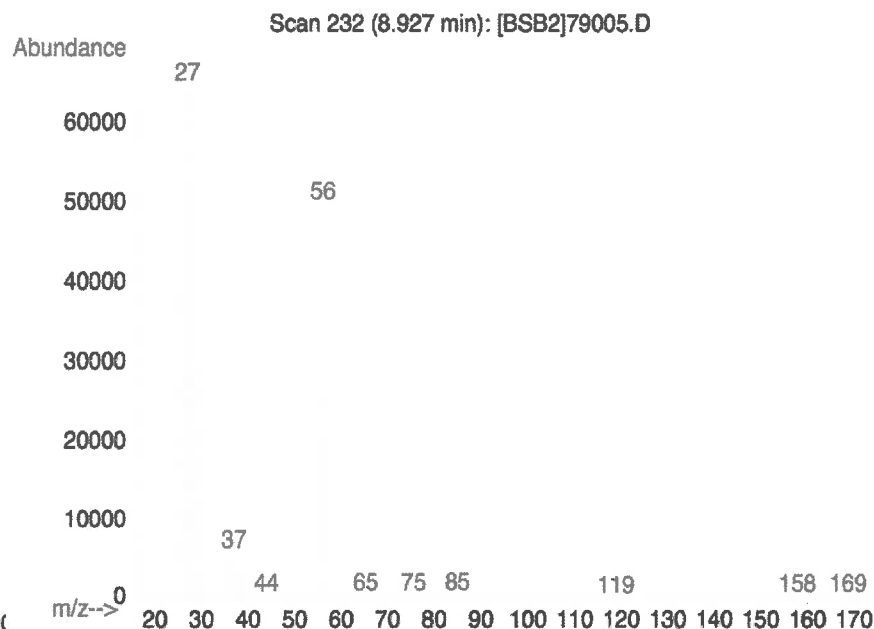
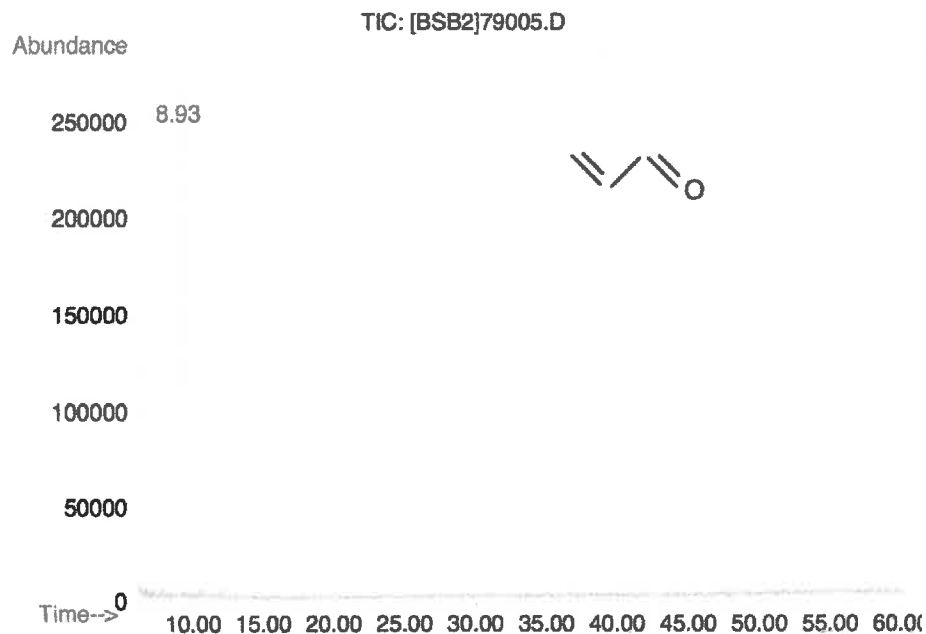
Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 10.0 5E-05 Balance Uncertainty 0.001 Flask Uncertainty

		021325
Formulated By:	Anthony Mahoney	DATE
		021325
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. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.)
Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately
Long term storage is not recommended. Please contact our technical department if further information is required.



- 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).

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	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	Use in ventilated area	H315	Causes skin and eye irritation.
P302,332	If on skin, wash with soap and water	P280	Use gloves, eye protection/face shield
		P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#: 7732-18-5	% (optional)
Water		> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	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	

Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	0°C
Solubility in Water	Completely miscible	NA	NA
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)	IATA
Not dangerous goods	Not dangerous goods
Proper shipping name: Water	Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM

5 114

Dec 02/14/25



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Solvent(s): Lot#
Water 072324Q

✓ 14872 to
✓ 14876

		021325
Formulated By:	Anthony Mahoney	DATE
		021325
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: 031325

Recommended Storage: Refrigerate (4 °C)

Nominal Concentration (µg/mL): 5000

NIST Test ID#: 6UTB

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0

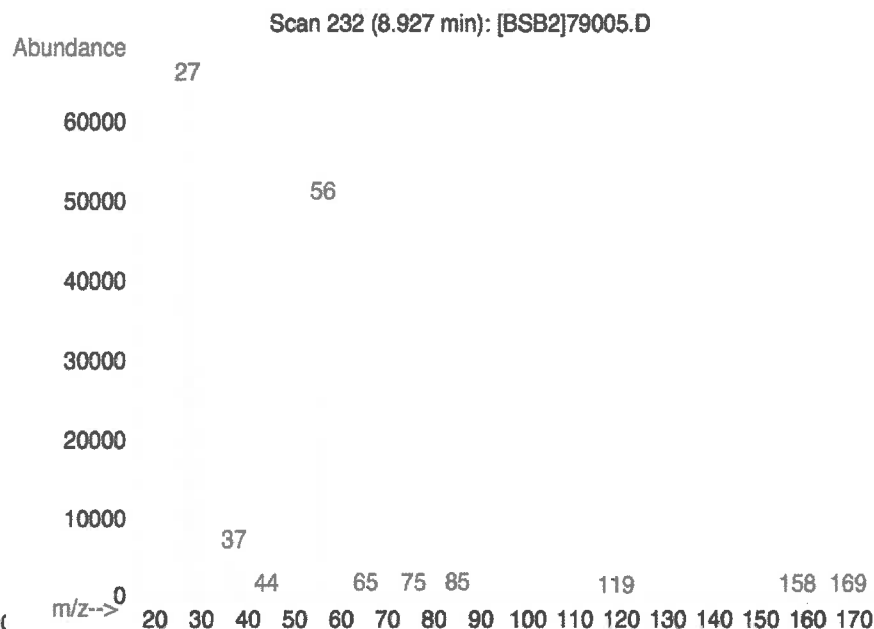
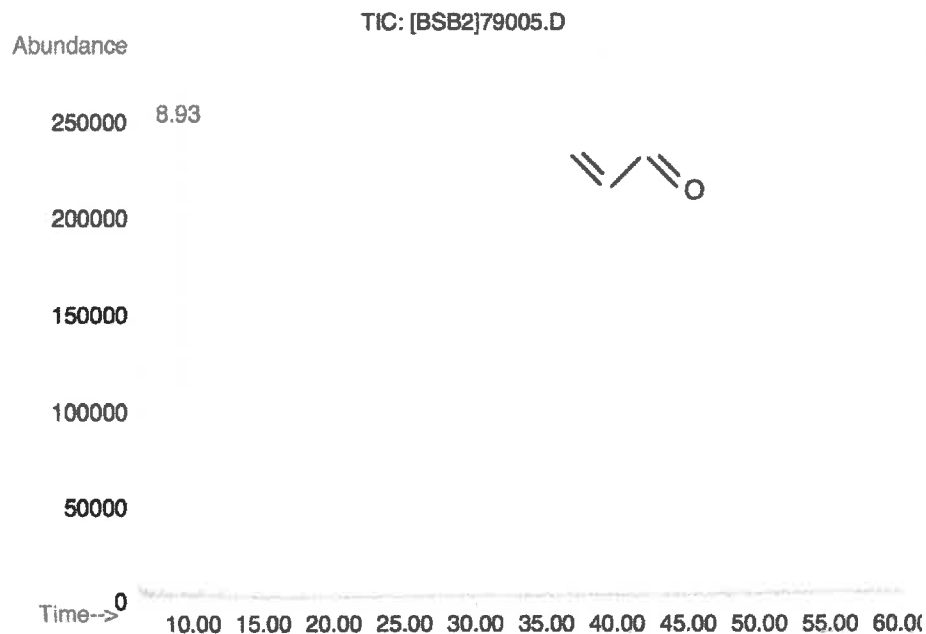
0.001 Flask Uncertainty

Expanded SDS information
(Solvent Safety Info. On Attached pg.)

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)	CAS#	OSHA PEL (TWA)	LD50

1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.)
Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately
Long term storage is not recommended. Please contact our technical department if further information is required.



- 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).

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	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	Use in ventilated area	H315	Causes skin and eye irritation.
P302,332	If on skin, wash with soap and water	P280	Use gloves, eye protection/face shield
		P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#: 7732-18-5	% (optional)
Water		> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	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	

Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	0°C
Solubility in Water	Completely miscible	NA	NA
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)	IATA
Not dangerous goods	Not dangerous goods
Proper shipping name: Water	Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM

5 114

Dec 02/14/25



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Solvent(s):
Water

Lot#
072324Q

✓ 14872 to
✓ 14876

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

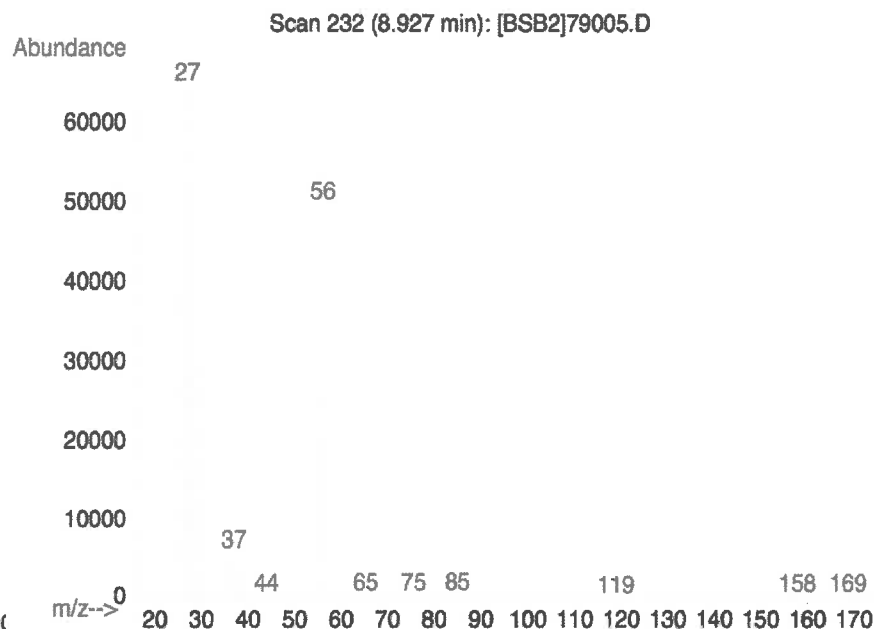
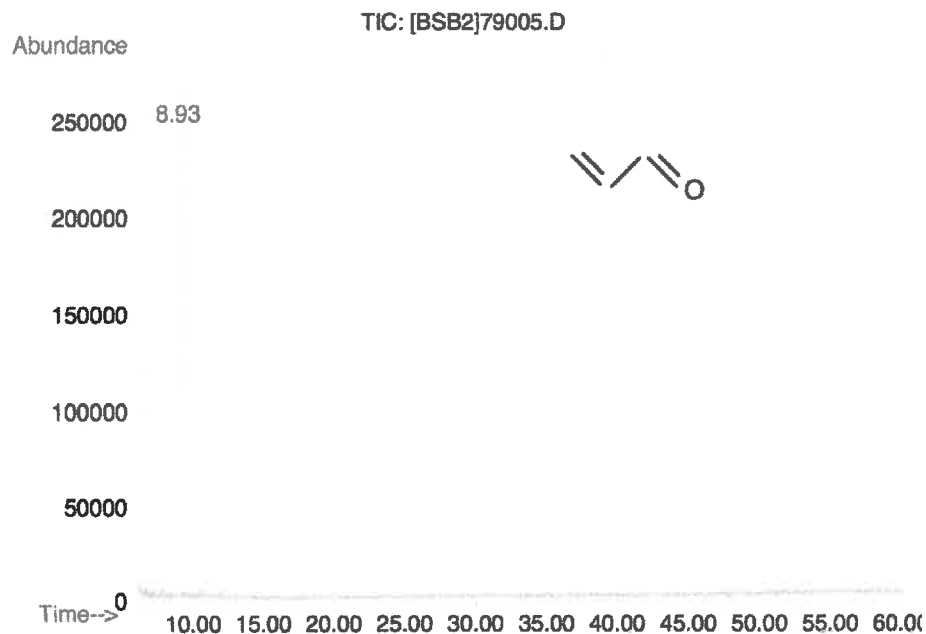
Weight(s) shown below were combined and diluted to (mL): 10.0

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

		021325
Formulated By:	Anthony Mahoney	DATE
		021325
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. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.)
Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately
Long term storage is not recommended. Please contact our technical department if further information is required.



- 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).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

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Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	Use in ventilated area	H315	Causes skin and eye irritation.
P302,332	If on skin, wash with soap and water	P280	Use gloves, eye protection/face shield
		P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))	CAS#: 7732-18-5	% (optional)
Water		> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	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	

Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	0°C
Solubility in Water	Completely miscible	NA	NA
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)	IATA
Not dangerous goods	Not dangerous goods
Proper shipping name: Water	Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



CERTIFIED WEIGHT REPORT

Part Number: **95317**
Lot Number: **021624**
Description: **Universal VOA Megamix**
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 8UTB

Solvent(s): **Methanol**
Lot#: **EG359-USQ12**

Weight(s) shown below were combined and diluted to (mL): **100.0** **0.021** Balance Uncertainty: **5E-05** Flask Uncertainty: **0.021**

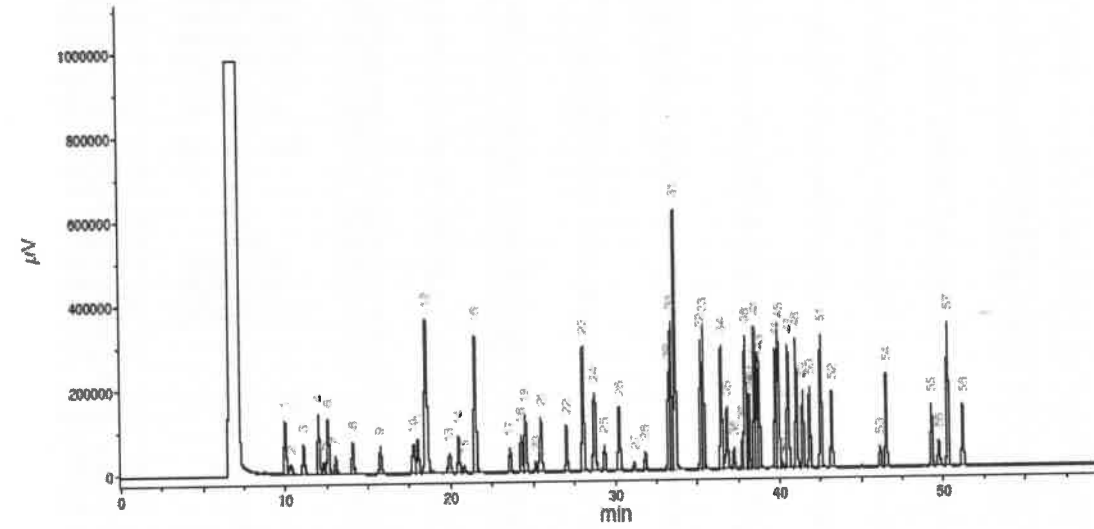
		021624
Formulated By:	Prashant Chauhan	DATE
		021624
Reviewed By:	Pedro L. Rentes	DATE

Compound	(RM#)	Lot	Di.	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Expanded	SDS Information		
	Part Number	Number	Factor	Vol. (mL)	Conc. (µg/mL)	Conc. (µg/mL)	(%)	Uncertainty	Pipette (mL)	Weight(g)	Weight(g)	Conc (µg/mL)	(+/-) (µg/mL)	(Solvent Safety Info. On Attached pg.)		
														CAS#	OSHA PEL (TWA)	LD50
Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	or-rat 2400mg/kg
Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	or-rat 700mg/kg
Carbon disulfide	(0060)	MKCR8581	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	or-rat 1200mg/kg
cis-1,4-Dichloro-2-butene	(1198)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
Diethyl ether	(0153)	IK18CA5000K	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
Ethyl methacrylate	(0381)	06126PK	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	or-rat 14800mg/kg
Iodomethane	(0489)	5HBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm (28mg/m3/8H) (skin)	or-rat 70mg/kg
2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	or-rat 3480mg/kg
Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H) (skin)	or-rat 1200mg/kg
Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm (35mg/m3/8H) (skin)	or-rat 277mg/kg
Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	or-rat 7872mg/kg
Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H) (skin)	or-rat 700mg/kg
2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	or-rat 720mg/kg
Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7800mg/m3/8H)	or-rat 43g/kg
Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	or-rat 910mg/kg
Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	or-rat 840mg/kg
cis-1,2-Dichloroethane	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
trans-1,2-Dichloroethane	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	N/A
Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	or-rat 1235mg/kg
1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	or-rat 200mg/kg
Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	or-rat 930mg/kg
Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	or-rat 2350mg/kg
Chloroform	95321	020724	0.10	10.00	20004.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	67-66-3	50 ppm (240mg/m3) (CL)	or-rat 900mg/kg
Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-85-3	N/A	or-rat 105mg/kg
1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	or-rat 725mg/kg
2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
Tetrachloroethane	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H) (final)	or-rat 2629mg/kg
1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	or-rat 10300mg/kg
1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-6	0.001 ppm	or-rat 170mg/kg
1,2-Dibromomethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	or-rat 108mg/kg
1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-08-2	50 ppm (8H)	or-rat 870mg/kg
1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2000.2	22.9	78-57-5	75 ppm (350mg/m3/8H)	or-rat 1947mg/kg
1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	un-rat 3600mg/kg
1,1-Dichloropropane	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	22.9	563-56-6	N/A	N/A
cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	22.9	87-68-3	0.02 ppm (0.24mg/m3/8H)	or-rat 82mg/kg
1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	or-rat 670mg/kg
1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H) (skin)	or-rat 800mg/kg
1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H) (skin)	or-rat 830mg/kg
Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	80 ppm (270mg/m3/8H)	or-rat 2400mg/kg
1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (50mg/m3/8H)	or-rat 149.6mg/kg
Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	or-rat 4694mg/kg
Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	or-rat 2650mg/kg
n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	or-rat >2000mg/kg
Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	99-87-6	N/A	or-rat 4750mg/kg
p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	or-rat 490mg/kg
Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg
Styrene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-98-3	200 ppm	or-rat 5000mg/kg
Toluene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	or-rat 1390mg/kg
1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 750mg/kg
1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	23.0	95-63-6	N/A	or-rat 5g/kg
1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-57-8	N/A	or-rat 5000mg/kg
1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	or-rat 5g/kg
m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	or-rat 2240mg/kg
sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	or-rat 2290mg/kg
Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	or-rat 3900mg/kg
Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	or-rat 2100mg/kg
Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	541-73-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg
1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.6	23.0	96-46-7	75 ppm (450mg/m3/8H)	or-rat 900mg/kg
1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	or-rat 1065mg/kg
1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA					

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethane	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethane	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.24
11	cis-1,2-Dichloroethane	18.00
12	Methacrylonitrile/methyl acrylate/Chloroform	18.46
13	Isobutane/1,1,1-Trichloroethane	19.01
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethane	23.58
18	1,2-Dichloropropane	24.38
19	Methyl methacrylate	24.52
20	Bromochloromethane	25.13
21	Dibromomethane/2-Hitroprene	25.46
22	cis-1,3-Dichloropropane	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropane	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromomethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.66
32	o-Xylene	35.22
33	Styrene	35.39
34	Isopropylbenzene/Bromoforn	36.18
35	cis-1,4-Dichloro-3-butene	36.48
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-3-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.74
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection. Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC. DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



CERTIFIED WEIGHT REPORT

Part Number: **95317**
Lot Number: **021624**
Description: **Universal VOA Megamix**
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 8UTB

Solvent(s): **Methanol**
Lot#: **EG359-USQ12**

Weight(s) shown below were combined and diluted to (mL): **100.0** **0.021** Balance Uncertainty: **5E-05** Flask Uncertainty: **0.021**

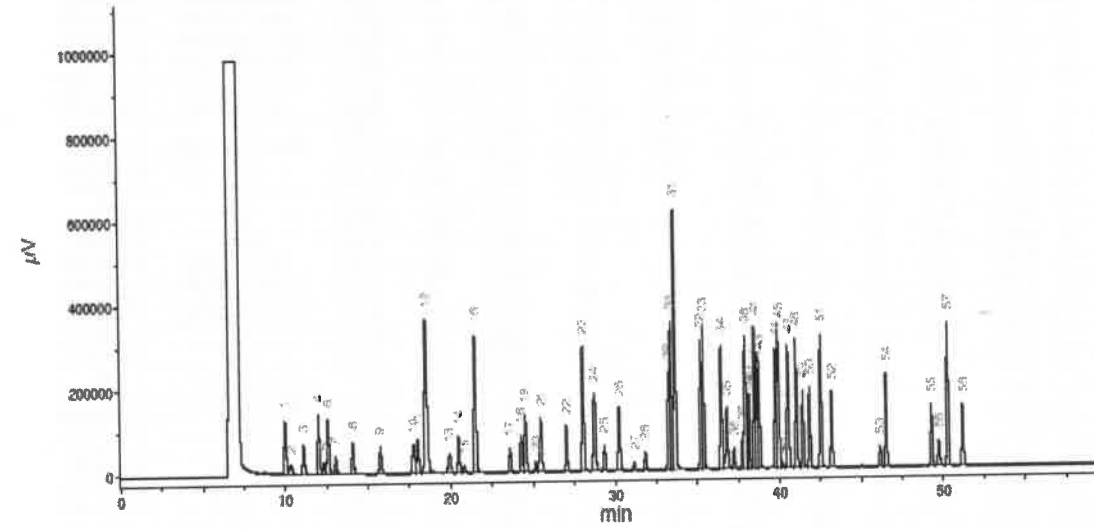
		021624
Formulated By:	Prashant Chauhan	DATE
		021624
Reviewed By:	Pedro L. Rentes	DATE

Compound	(RM#)	Lot	Di.	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Expanded	SDS Information			
														(Solvent Safety Info. On Attached pg.)			
														Part Number	Number	Factor	Vol. (mL)
Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	or-rat 2400mg/kg	
Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	or-rat 700mg/kg	
Carbon disulfide	(0060)	MKCR8581	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	or-rat 1200mg/kg	
cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A	
trans-1,4-Dichloro-2-butene	(0486)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A	
Diethyl ether	(0153)	IK18CA5000K	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A	
Ethyl methacrylate	(0381)	06126PK	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	or-rat 14800mg/kg	
Iodomethane	(0489)	5HBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm (28mg/m3/8H) (skin)	or-rat 70mg/kg	
2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	or-rat 3480mg/kg	
Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H) (skin)	or-rat 1200mg/kg	
Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm (35mg/m3/8H) (skin)	or-rat 277mg/kg	
Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	or-rat 7872mg/kg	
Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H) (skin)	or-rat 700mg/kg	
2-Nitropropane	(0461)	14002JK	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	or-rat 720mg/kg	
Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A	
1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7800mg/m3/8H)	or-rat 43g/kg	
Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	or-rat 910mg/kg	
Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	or-rat 840mg/kg	
cis-1,2-Dichloroethane	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A	
trans-1,2-Dichloroethane	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	N/A	
Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	or-rat 820mg/kg	
1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	or-rat 200mg/kg	
Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	or-rat 930mg/kg	
Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	or-rat 2350mg/kg	
Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	or-rat 900mg/kg	
Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-85-3	N/A	or-rat 105mg/kg	
1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	or-rat 725mg/kg	
2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A	
Tetrachloroethane	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H) (final)	or-rat 2629mg/kg	
1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	or-rat 10300mg/kg	
1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-6	0.001 ppm	or-rat 170mg/kg	
1,2-Dibromomethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	or-rat 108mg/kg	
1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-08-2	50 ppm (8H)	or-rat 870mg/kg	
1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2000.2	22.9	78-57-5	75 ppm (350mg/m3/8H)	or-rat 1947mg/kg	
1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	un-rat 3600mg/kg	
1,1-Dichloropropane	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	22.9	563-56-6	N/A	N/A	
cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A	
trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A	
Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	22.9	87-68-3	0.02 ppm (0.24mg/m3/8H)	or-rat 82mg/kg	
1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	or-rat 670mg/kg	
1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H) (skin)	or-rat 800mg/kg	
1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H) (skin)	or-rat 836mg/kg	
2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	or-rat 2400mg/kg	
Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (50mg/m3/8H)	or-rat 149.6mg/kg	
Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	104-51-8	1 ppm	or-rat 4694mg/kg	
n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-98-1	N/A	or-rat 2699mg/kg	
Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A	
Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	or-rat >2000mg/kg	
Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-8	N/A	or-rat 4750mg/kg	
Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	91-20-3	10 ppm (50mg/m3/8H)	or-rat 490mg/kg	
Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg	
2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-98-3	200 ppm	or-rat 5000mg/kg	
2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	or-rat 1390mg/kg	
2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 750mg/kg	
3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	95-63-6	N/A	or-rat 5g/kg	
Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-67-8	N/A	or-rat 5000mg/kg	
tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	100 ppm (435mg/m3/8H)	or-rat 5g/kg	
sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	N/A	
Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-49-8	75 ppm (350mg/m3/8H)	or-rat 2240mg/kg	
Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	108-90-7	50 ppm (250mg/m3/8H)	or-rat 3900mg/kg	
Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	or-rat 2100mg/kg	
2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg	
3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	or-rat 500mg/kg	
4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.					

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethane	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethane	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.24
11	cis-1,2-Dichloroethane	18.00
12	Methacrylonitrile/methyl acrylate/Chloroform	18.46
13	Isobutane/1,1,1-Trichloroethane	19.01
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethane	23.58
18	1,2-Dichloropropane	24.38
19	Methyl methacrylate	24.52
20	Bromochloromethane	25.13
21	Dibromomethane/2-Hitropropane	25.46
22	cis-1,3-Dichloropropane	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropane	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromomethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.66
32	o-Xylene	35.22
33	Styrene	35.39
34	Isopropylbenzene/Bromoforn	36.18
35	cis-1,4-Dichloro-3-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-3-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.74
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection. Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC. DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM

Dec 09/17/24

2 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: **91980**
Lot Number: **091424**
Description: **Acrolein**Solvent(s):
Water Lot#
072324Q

<i>Justin Dippold</i>		091424
Formulated By:	Justin Dippold	DATE
<i>Pedro L. Rentas</i>		091424
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: 101424

Recommended Storage: Refrigerate (4 °C)

Nominal Concentration (µg/mL): 5000

NIST Test ID#: 6UTB

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.

Abundance TIC: [BSB2]79005.D

Abundance

Scan 232 (8.927 min): [BSB2]79005.D

250000 8.93

200000

150000

100000

50000

Time--> 0

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

- 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).



Certified Reference Material CRM

Dec 09/17/24

2 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: **91980**
Lot Number: **091424**
Description: **Acrolein**Solvent(s):
Water Lot#
072324QExpiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTBWeight(s) shown below were combined and diluted to (mL): 10.0
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

<i>Justin Dippold</i>		091424
Formulated By:	Justin Dippold	DATE
<i>Pedro L. Rentas</i>		091424
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. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	ori-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.

Abundance TIC: [BSB2]79005.D

Abundance

Scan 232 (8.927 min): [BSB2]79005.D

250000 8.93

200000

150000

100000

50000

Time--> 0

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

- 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).



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **120524**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
EJ143-US

Expiration Date: **120527**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

See 1216124
20 vial
✓ 14630 to
✓ 14649

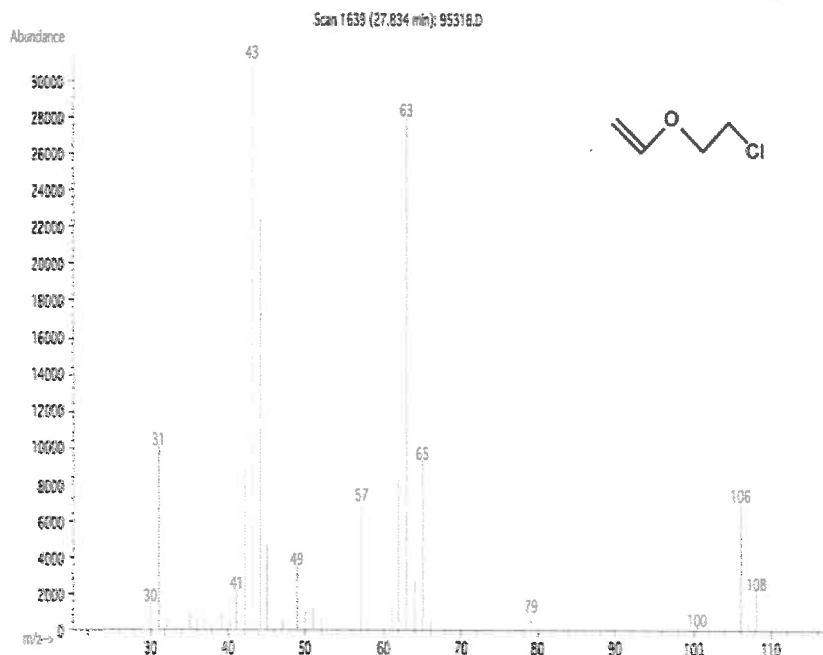
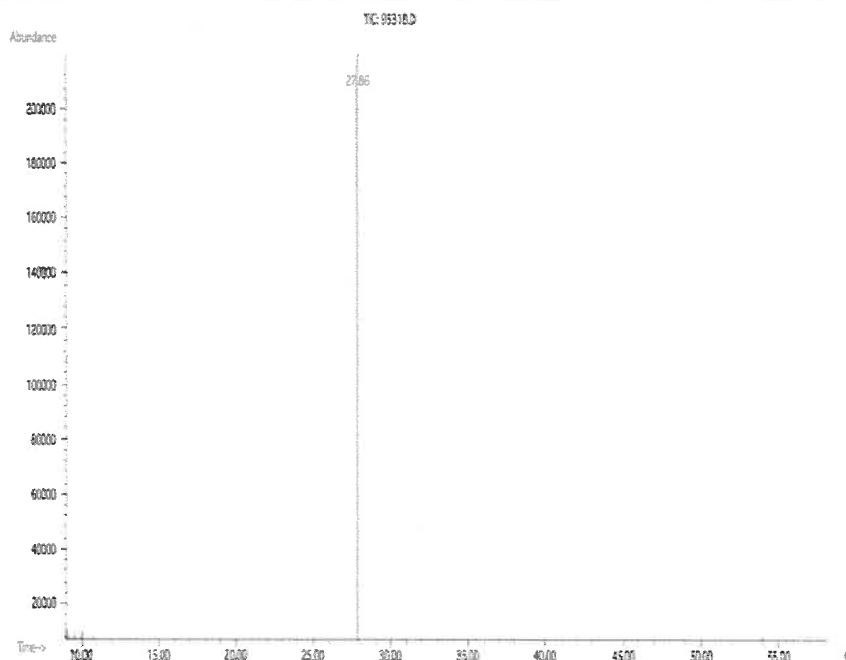
Weight(s) shown below were combined and diluted to (mL): **50.0**

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

<i>Prashant Chauhan</i>		120524
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	67-56-1	TWA 200 ppm
Skin notation			TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.			
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use.	Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.			

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **95318**
Lot Number: **120524**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
EJ143-US

Expiration Date: **120527**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

See 1216124
20 vial
✓ 14630 to
✓ 14649

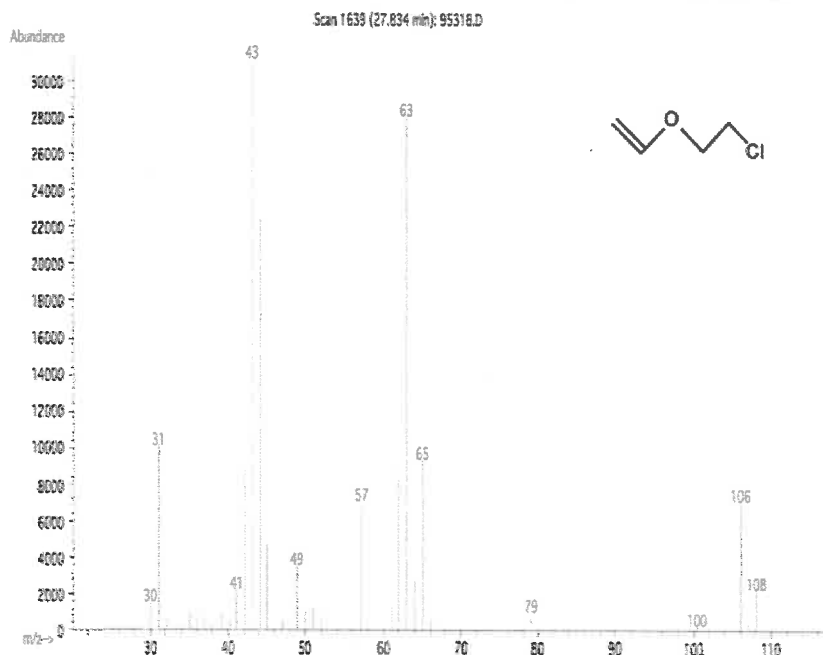
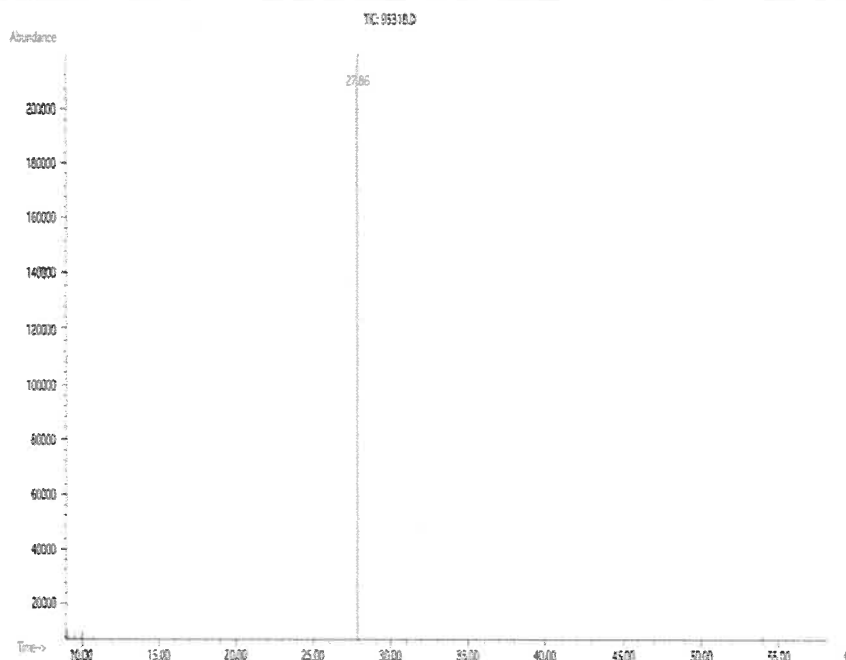
Weight(s) shown below were combined and diluted to (mL): **50.0**

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

<i>Prashant Chauhan</i>		120524
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	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: **95318**
Lot Number: **120524**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
EJ143-US

Expiration Date: **120527**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

See 1216124
20 vial
✓ 14630 to
✓ 14649

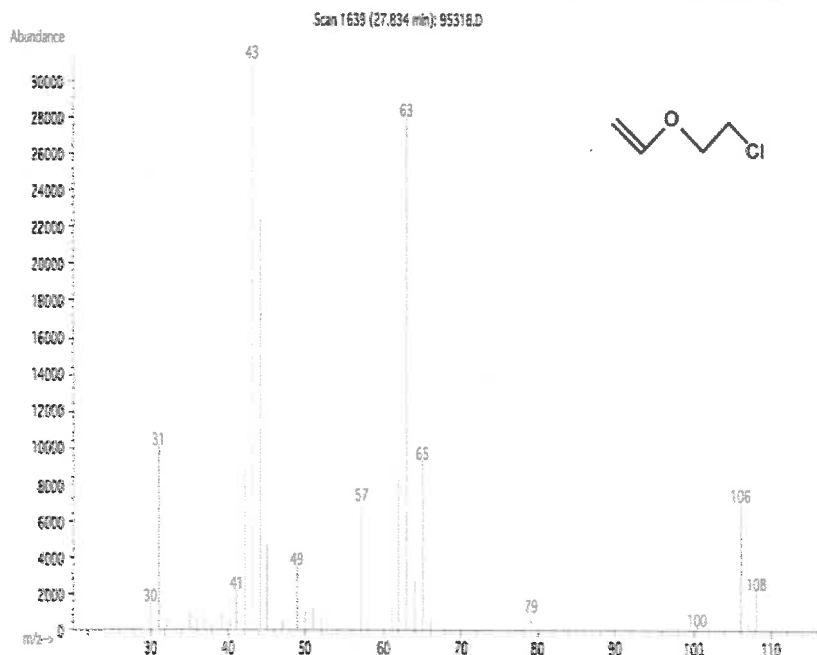
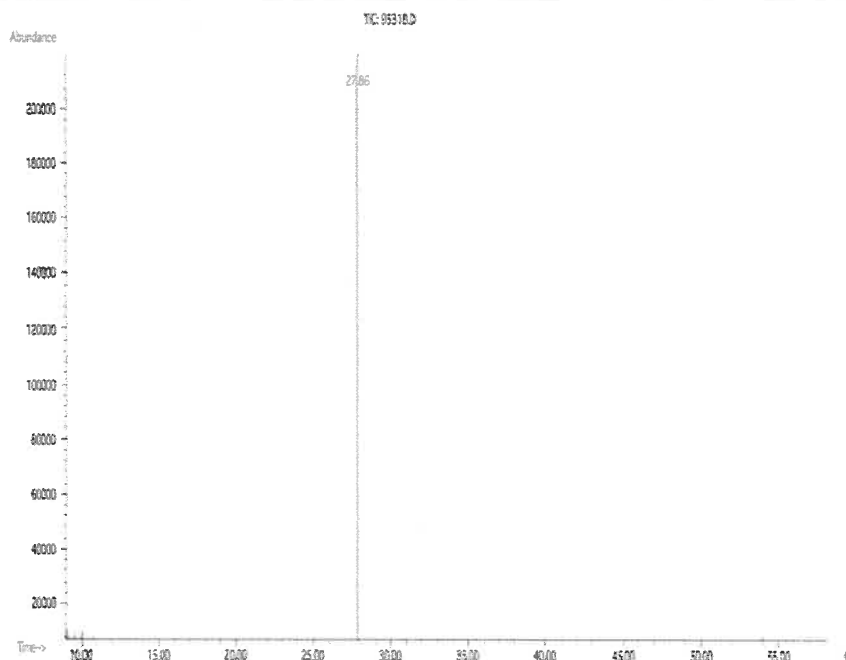
Weight(s) shown below were combined and diluted to (mL): **50.0**

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

<i>Prashant Chauhan</i>		120524
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr.	Emergency Telephone International	1-352-323-3500
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	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: **95318**
Lot Number: **120524**
Description: **2-Chloroethyl vinyl ether**

Solvent(s):
Methanol

Lot#
EJ143-US

Expiration Date: **120527**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test ID#: **6UTB**

See 1216124
20 vial
✓ 14630 to
✓ 14649

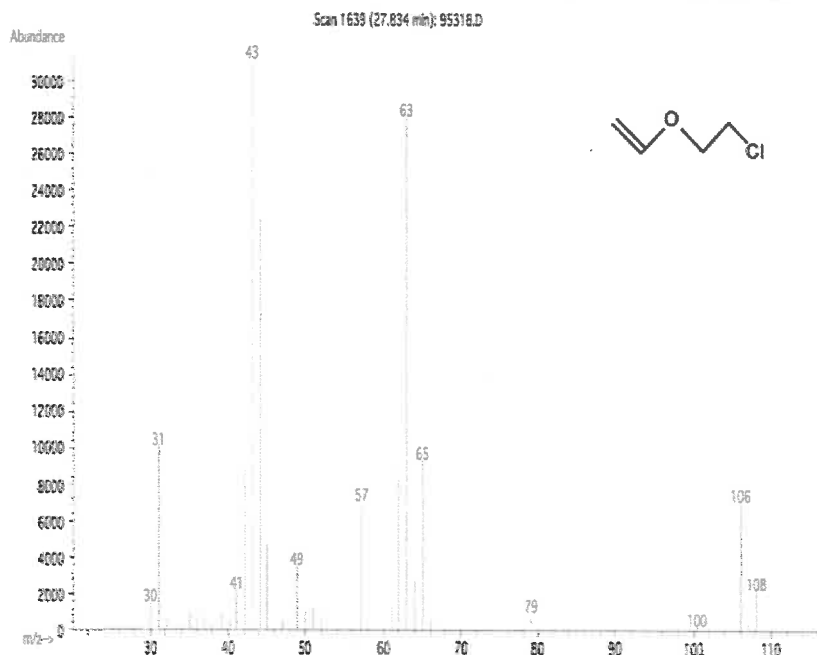
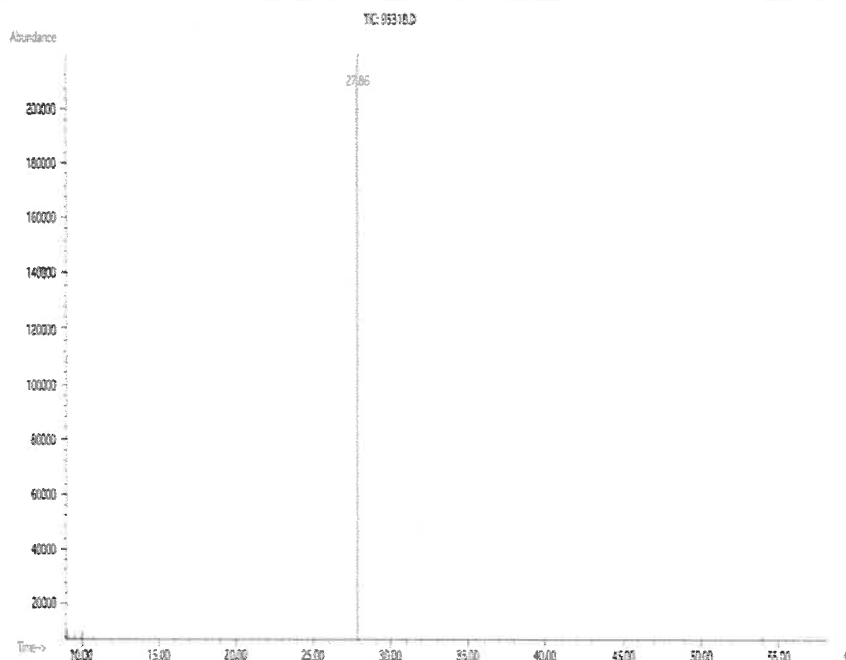
Weight(s) shown below were combined and diluted to (mL): **50.0**

5E-05 Balance Uncertainty
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<i>Prashant Chauhan</i>		120524
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. Detector: MSD. Column: (60m X 0.25mm X 1.5 µm). Oven Profile: Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp = 200°C, Detector B Temp = 220°C. Analyst: Candice Warren.



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Safety Data Sheet (SDS)

GHS/OSHA Compliant

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GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

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Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Methanol	METHYL ALCOHOL	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
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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.
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Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

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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.
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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.
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Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	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
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Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

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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.



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Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

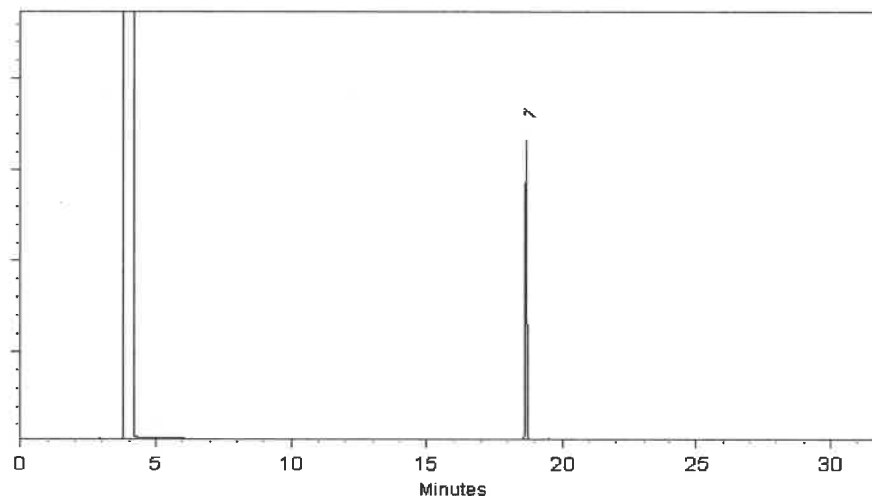
FID

Split Vent:

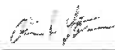
40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022

Balance Serial # B251644995


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

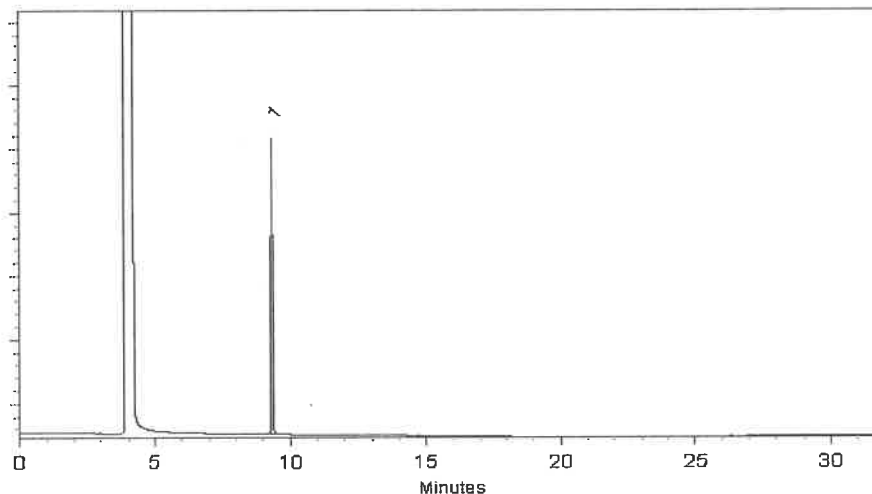
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 Balance Serial # B707717271


Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 30225 **Lot No.:** A0193071
Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : December 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

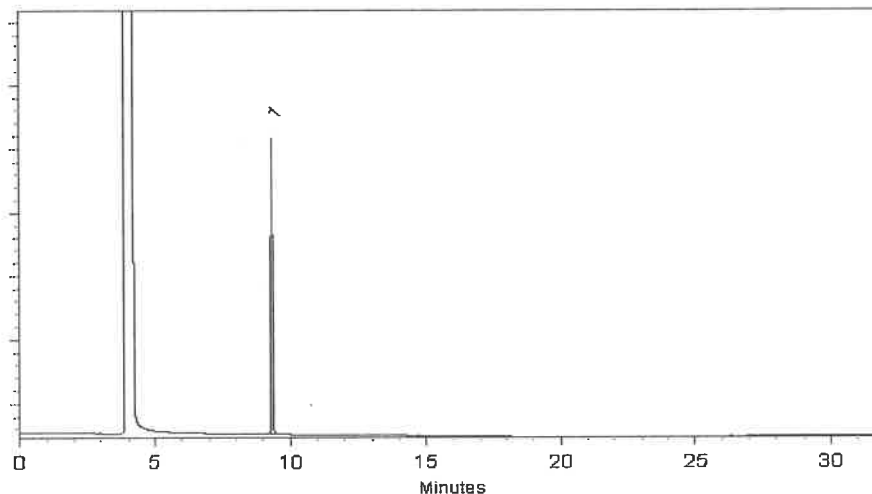
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 Balance Serial # B707717271


Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

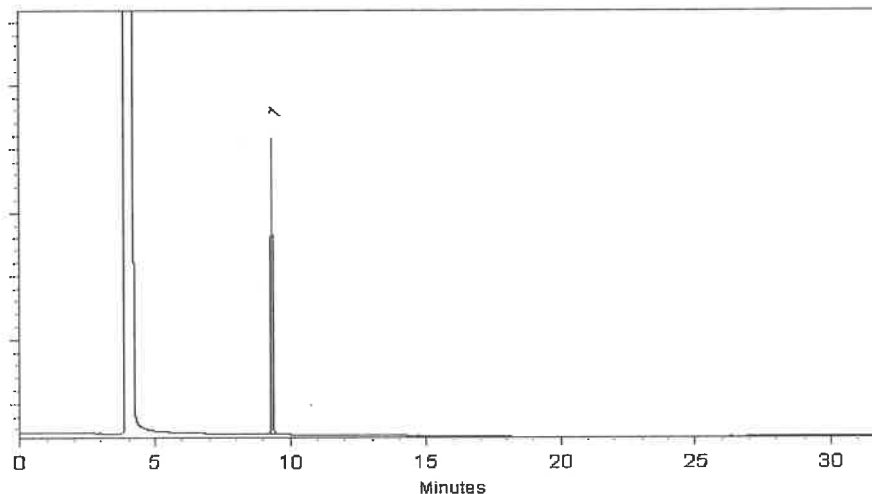
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 Balance Serial # B707717271


Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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chromatographic plus



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Catalog No. : 30225 **Lot No.:** A0193071
Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : December 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

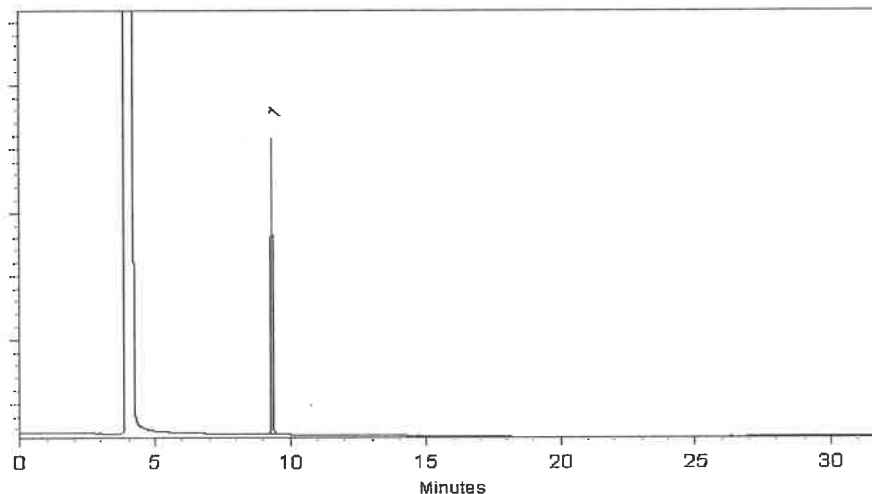
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 Balance Serial # B707717271


Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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- Purity values are rounded to the nearest whole number.

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix
Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol,
1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023

Balance: 1127510105

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

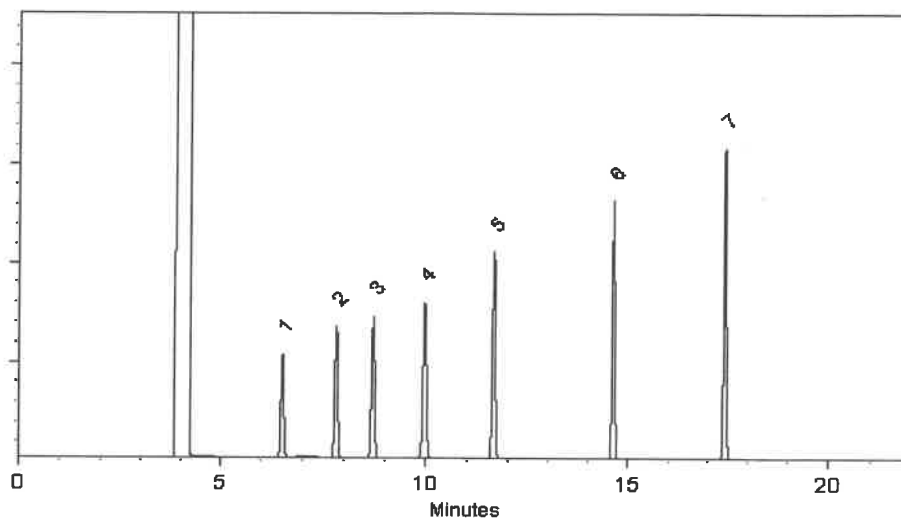
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024

Balance Serial # B707717271

Dillon Murphy
Dillon Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix
8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

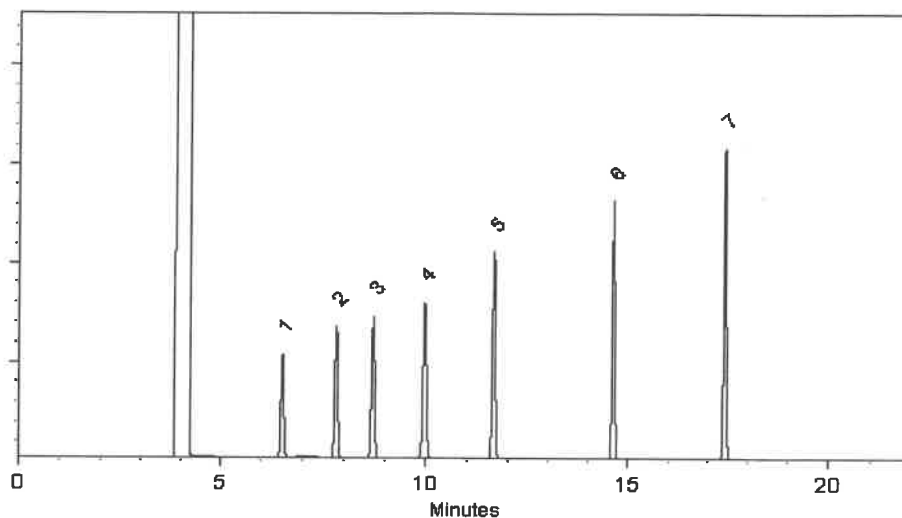
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024

Balance Serial # B707717271

Dillon Murphy
Dillon Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

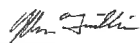
Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%


John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024

Balance: 1127510105

REVISED
By Restek Review of L&P, Apr 16, 2024

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 expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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.:** A0210618
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 : July 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

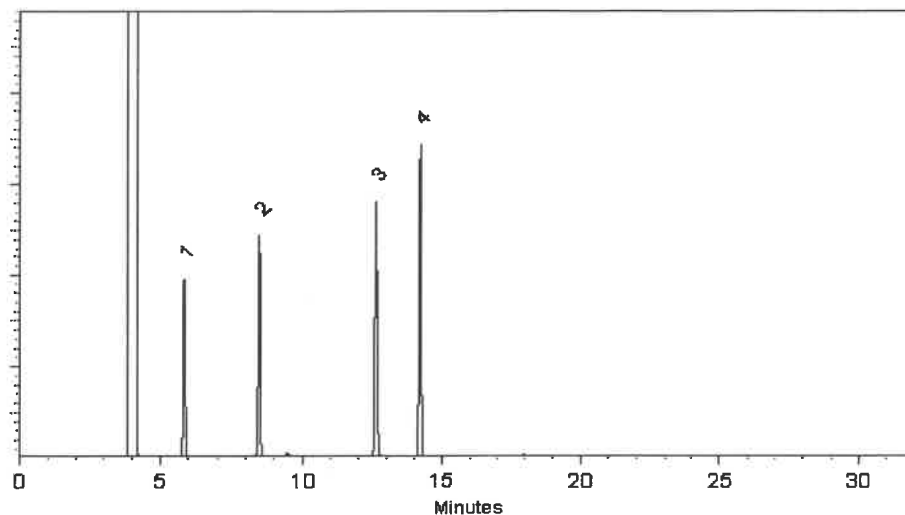
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

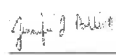


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618
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 : July 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

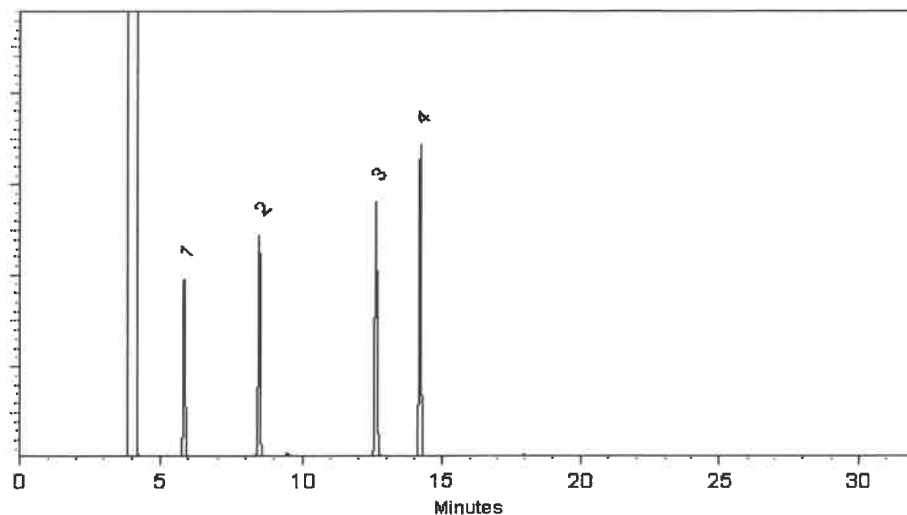
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

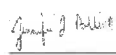


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618
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 : July 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

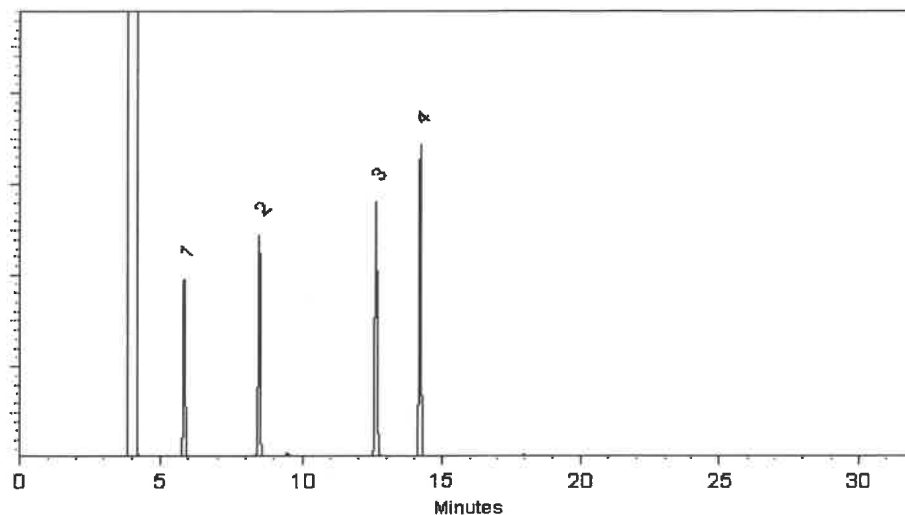
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

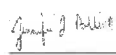


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024

Balance Serial # B707717271


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Rec 12/17/24
30 ml
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis
chromatographic plus

V14727 to
V14756



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826
Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : May 31, 2031 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:

helium-constant flow 2.0 mL/min.

Temp. Program:

40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

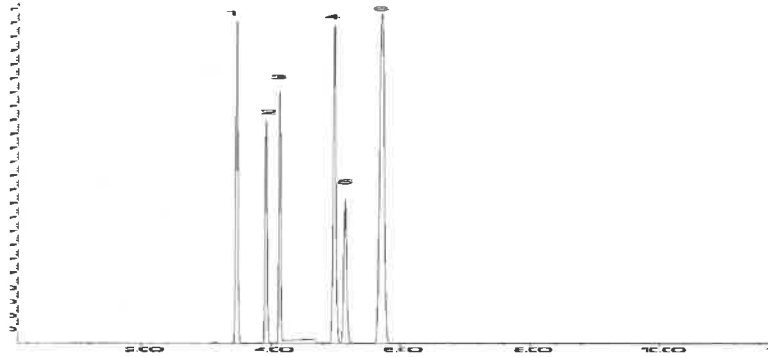
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckal - Mix Technician

Date Mixed: 23-Sep-2024

Balance Serial # B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Rec 12/17/24
CERTIFIED REFERENCE MATERIAL

30 ml
Certificate of Analysis
chromatographic plus

V14727 to
V14756



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826
Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : May 31, 2031 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
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6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:

helium-constant flow 2.0 mL/min.

Temp. Program:

40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

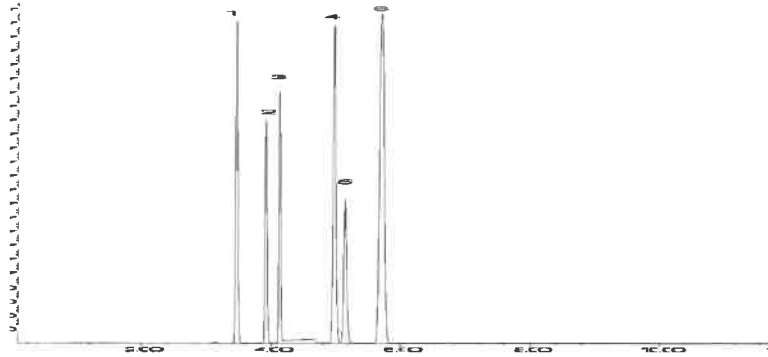
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.



Tom Suckal - Mix Technician

Date Mixed: 23-Sep-2024

Balance Serial # B707717271



Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

✓ 14842 to 14846



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.:** A0217535
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 : October 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butanol (TBA)	75-65-0	SHBQ8002-1	99%	50,007.5 µg/mL	+/- 717.6137

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

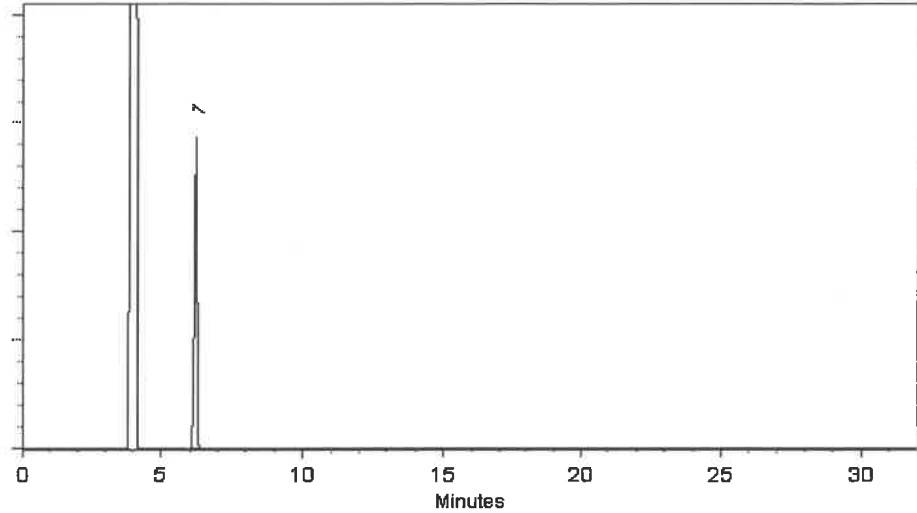
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

A. O. E.
Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024

Balance Serial # B251644995

Brittany Federinko
Brittany Federinko - Operations Tech I

Date Passed: 09-Oct-2024

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 expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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2014 Dec 01/08/21
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822



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.:** A0220471
Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2026 **Storage:** -20°C or colder
Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

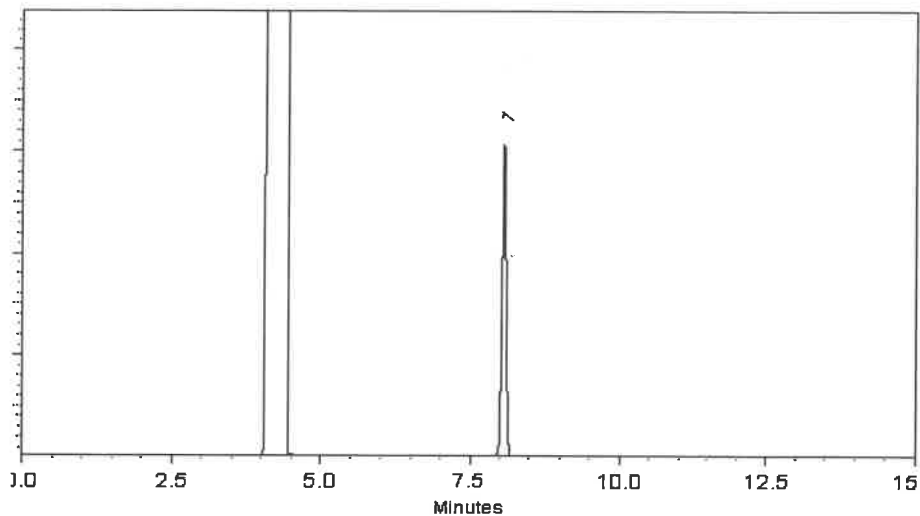
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024

Balance Serial # 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED
By Jennifer Pollock at 7:12 am, Jan 05, 2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822



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.:** A0220471
Description : Custom Vinyl Acetate Standard
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : June 30, 2026 **Storage:** -20°C or colder
Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

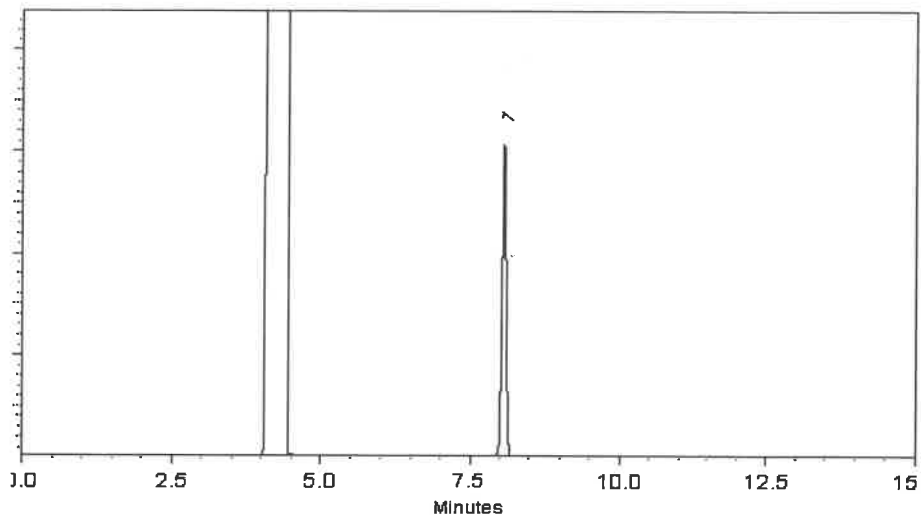
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024

Balance Serial # 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED
By Jennifer Pollock at 7:12 am, Jan 05, 2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

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Manufacturing Notes:

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Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis



Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis - Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory, Research, or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite 4100
CITY Morrisstown STATE: NJ ZIP: 07960
ATTENTION: John Vafant
PHONE: (281) 414-1719 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC
PROJECT NO.: 03868221 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:
ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) STANDARD 1AT DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*

*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

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

1. UVCs (82608)
2. SVOCs (82700)
3. TPH DMS (100817471A)
4. Metals (100817471A)
5. PCBs (80882)
6. Ignitability (1030)
7. Corrosivity (9040C)
8. TPH (9040)
9. SOI (80153)

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									← Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-OTHER
			COMP	GRAB	DATE	TIME		A/E	F	E	B/E	E	E	E	E	E	
1.	IDW-AQ-MW-198-COMP-022825	AQ	X		2-28-25	1110	5		X	X	X	X	X	X	X		
2.	IDW-AQ-PRUM-610-022825	AQ		X	2-28-25	1115	3	X		X						X	
3.	IDW-AQ-IW-01-COMP-022825	AQ	X		2-28-25	1120	5		X	X	X	X	X	X	X		
4.	IDW-AQ-DRUM-616-022825	AQ		X	2-28-25	1125	3	X		X						X	
5.	IDW-AQ-IW-02-COMP-022825	AQ	X		2-28-25	1130	4		X	X	X	X	X	X	X		
6.	IDW-AQ-PRUM-614-022825	AQ		X	2-28-25	1135	3	X		X						X	
7.	IDW-AQ-IW-03-COMP-022825	AQ	X		2-28-25	1140	4	X	X	X	X	X	X	X	X		
8.	IDW-AQ-DRUM-612-022825	AQ		X	2-28-25	1145	3	X		X						X	
9.	IDW-SO-COMP-022825 (TA)	SO	X		2-28-25	1230	5	X	X	X	X	X	X	X	X		
10.	IDW-SO-PRUM-582-022825 (TA)	SO	X		2-28-25		1										

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME: <u>1720</u>	RECEIVED BY: <u>J. 2-28-2025</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP <u>2.1 °C</u>
1. <u>Blatt</u>	DATE/TIME: <u>2-28-25</u>	1. <u>J. 1720</u>	Comments: <u></u>
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2.		2.	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3.		3.	

Page 1 of 2 CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: Jacobs
ADDRESS: 412 Mt Kumble Ave Suite #100
CITY: Morrisstown STATE: NJ ZIP: 07960
ATTENTION: John Yafante
PHONE: (281)414-1719 FAX:

PROJECT NAME: STC PTC
PROJECT NO.: D3868221 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: FAX:

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:
ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) STANDARD TAT DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☒ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ EDD FORMAT

1. SVOCs (1311/8220)
2. TCIP VOC (1311/8220)
3. TPH GAO (1311/8220)
4. TCIP Metals (1311/8220)
5. PCBs (8062)
6. Leachability (1030)
7. Corrosivity (9060)
8. TPH D20 (8062)
9.

ALLIANCE
SAMPLE
ID

PROJECT
SAMPLE IDENTIFICATION

SAMPLE
MATRIX

SAMPLE
TYPE
COMP GRAB

SAMPLE
COLLECTION
DATE TIME

OF BOTTLES

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

1.	IDW-SO-COMP-022825	SO	X	2-28-25	1230	5	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~		
2.	IDW-SO-DRUM-582-022825	SO	X	2-28-25	1725	1		X	X						
3.															
4.															
5.															
6.															
7.															
8.															
9.															
10.															

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>W. B. B.</u>	DATE/TIME: <u>2-28-25 1720</u>	RECEIVED BY: <u>J. O. S.</u>	DATE/TIME: <u>2-28-25 1720</u>	Comments: <u>2-0 °C</u>
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.		
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.		

Page 2 of 2 CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488



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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1478 JACO05

Order Date : 3/3/2025 10:28:22 AM

Project Mgr :

Client Name : JACOBS Engineering Grou

Project Name : Former Schlumberger Site I

Report Type : Level 4

Client Contact : John Ynfante

Receive DateTime : 2/28/2025 5:20:00 PM

EDD Type : CH2MHILL

Invoice Name : JACOBS Engineering Grou

Purchase Order :

Hard Copy Date :

Invoice Contact : John Ynfante

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1478-02	IDW-AQ-DRUM-610-022825	Water	02/28/2025	11:15	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q1478-04	IDW-AQ-DRUM-616-022825	Water	02/28/2025	11:25	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q1478-06	IDW-AQ-DRUM-614-022825	Water	02/28/2025	11:35	VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q1478-08	IDW-AQ-DRUM-612-022825	Water	02/28/2025	11:45	VOC-TCLVOA-10		8260-Low	10 Bus. Days	

Relinquished By : 

Date / Time :

3-3-25 1200

Received By : 

Date / Time :

3/3/25 1200

Storage Area : VOA Refridgerator Room