

**DATA PACKAGE
VOLATILE ORGANICS**

PROJECT NAME : CTO WE13

**TETRA TECH NUS, INC.
661 Andersen Drive
Suite 200
Pittsburgh, PA - 15220-2745
Phone No: 412-921-7090**

**ORDER ID : Q1423
ATTENTION : Ernie Wu**



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q1423

Project ID : NWIRP Bethpage CTO WE13 - VPB-192 #112G08005

Client : Tetra Tech NUS, Inc.

Lab Sample Number

Q1423-01
Q1423-02
Q1423-03
Q1423-04

Client Sample Number

BP-VPB-192-TB-20250220
VPB192-HYD-20250221
BP-VPB-192-EB-20250221
BP-VPB-192-GW-925-927

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

Signature : _____

APPROVED

By *Nimisha Pandya, QA/QC Supervisor* at 10:54 am, Mar 10, 2025

Date: 3/5/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Tetra Tech NUS, Inc.

Project Name: CTO WE13

Project Manager# Ernie Wu

Chemtech Project # Q1423

Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:

4 Water samples were received on 02/24/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1 and VOCMS Group1. This data package contains results for VOCMS Group1.

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 VOCMS Group1 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 %RSD is greater than 20% in the Initial Calibration method (82X021025W.M) for Chloroethane is passing on Quadratic Regression.

The Continuous Calibration File ID VX045029.D met the requirements except for 2-Hexanone,4-Methyl-2-Pentanone and Acetone are failing high and associate sample having hit of acetone but below CRQL therefore no corrective action taken.

The Tuning criteria met requirements.

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.

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is).”

The not QT review data is reported in the Miscellaneous.

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.

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:54 am, Mar 10, 2025

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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1423

MATRIX: Water

METHOD: 8260-Low

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The %RSD is greater than 20% in the Initial Calibration method (82X021025W.M) for Chloroethane is passing on Quadratic Regression. The Continuous Calibration File ID VX045029.D met the requirements except for 2-Hexanone,4-Methyl-2-Pentanone and Acetone are failing high and associate sample having hit of acetone but below CRQL 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.			✓
9.	Internal Standard Area/Retention Time Shift Meet Criteria Comments:			✓
10.	Analysis Holding Time Met If not met, list number of days exceeded for each sample:			✓

ADDITIONAL COMMENTS:

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

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

NA NO YES

The laboratory certifies that the all-electronic diskette deliverable exactly match the data Summary forms (i.e. Form Is).”

The not QT review data is reported in the Miscellaneous.

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.

REVIEWED

QA REVIEW

By Sohil Jodhani, QA/QC Director at 10:52 am, Mar 10, 2025

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1423

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 03/05/2025

LAB CHRONICLE

OrderID:	Q1423	OrderDate:	2/25/2025 10:55:00 AM
Client:	Tetra Tech NUS, Inc.	Project:	CTO WE13
Contact:	Ernie Wu	Location:	H33,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1423-01	BP-VPB-192-TB-2025 0220	Water			02/20/25			02/24/25
			VOCMS Group1	8260-Low			02/28/25	
Q1423-02	VPB192-HYD-202502 21	Water			02/21/25			02/24/25
			VOCMS Group1	8260-Low			02/25/25	
Q1423-03	BP-VPB-192-EB-2025 0221	Water			02/21/25			02/24/25
			VOCMS Group1	8260-Low			02/28/25	
Q1423-04	BP-VPB-192-GW-925- 927	Water			02/20/25			02/24/25
			VOCMS Group1	8260-Low			02/25/25	

Hit Summary Sheet
SW-846

SDG No.: Q1423
Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID: Q1423-01	BP-VPB-192-TB-20250220 BP-VPB-192-TB-20 Water	Acetone		14.0		1.40	3.80	5.00	ug/L
		Total Voc :		14.0					
		Total Concentration:		14.0					
Client ID: Q1423-02	VPB192-HYD-20250221 VPB192-HYD-2025 Water	Acetone		1.80	J	1.40	3.80	5.00	ug/L
Q1423-02	VPB192-HYD-2025 Water	Bromodichloromethane		0.99	J	0.24	0.50	1.00	ug/L
Q1423-02	VPB192-HYD-2025 Water	Dibromochloromethane		1.50		0.18	0.50	1.00	ug/L
		Total Voc :		4.29					
		Total Concentration:		4.29					
Client ID: Q1423-03	BP-VPB-192-EB-20250221 BP-VPB-192-EB-20 Water	Acetone		12.7		1.40	3.80	5.00	ug/L
Q1423-03	BP-VPB-192-EB-20 Water	Methylene Chloride		0.64	J	0.32	0.50	1.00	ug/L
		Total Voc :		13.3					
		Total Concentration:		13.3					
Client ID: Q1423-04	BP-VPB-192-GW-925-927 BP-VPB-192-GW-9 Water	Acetone		2.20	J	1.40	3.80	5.00	ug/L
		Total Voc :		2.20					
		Total Concentration:		2.20					



QC SUMMARY

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Surrogate Summary

SDG No.: Q1423

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1423-01	BP-VPB-192-TB-20250220	1,2-Dichloroethane-d4	50	52.2	104	81	118
		Dibromofluoromethane	50	53.1	106	80	119
		Toluene-d8	50	51.9	104	89	112
		4-Bromofluorobenzene	50	52.3	105	85	114
Q1423-02	VPB192-HYD-20250221	1,2-Dichloroethane-d4	50	55.7	111	81	118
		Dibromofluoromethane	50	53.0	106	80	119
		Toluene-d8	50	50.4	101	89	112
		4-Bromofluorobenzene	50	50.7	101	85	114
Q1423-03	BP-VPB-192-EB-20250221	1,2-Dichloroethane-d4	50	51.2	102	81	118
		Dibromofluoromethane	50	50.4	101	80	119
		Toluene-d8	50	51.4	103	89	112
		4-Bromofluorobenzene	50	52.3	104	85	114
Q1423-04	BP-VPB-192-GW-925-927	1,2-Dichloroethane-d4	50	56.4	113	81	118
		Dibromofluoromethane	50	51.7	103	80	119
		Toluene-d8	50	50.1	100	89	112
		4-Bromofluorobenzene	50	48.9	98	85	114
VX0225WBL01	VX0225WBL01	1,2-Dichloroethane-d4	50	53.6	107	81	118
		Dibromofluoromethane	50	50.3	101	80	119
		Toluene-d8	50	48.4	97	89	112
		4-Bromofluorobenzene	50	47.5	95	85	114
VX0225WBS01	VX0225WBS01	1,2-Dichloroethane-d4	50	53.0	106	81	118
		Dibromofluoromethane	50	52.8	106	80	119
		Toluene-d8	50	50.5	101	89	112
		4-Bromofluorobenzene	50	51.6	103	85	114
VX0225WBSD0	VX0225WBSD01	1,2-Dichloroethane-d4	50	53.4	107	81	118
		Dibromofluoromethane	50	53.7	107	80	119
		Toluene-d8	50	49.7	99	89	112
		4-Bromofluorobenzene	50	53.8	108	85	114
VX0228WBL01	VX0228WBL01	1,2-Dichloroethane-d4	50	50.0	100	81	118
		Dibromofluoromethane	50	51.0	102	80	119
		Toluene-d8	50	50.9	102	89	112
		4-Bromofluorobenzene	50	53.3	107	85	114
VX0228WBS01	VX0228WBS01	1,2-Dichloroethane-d4	50	46.9	94	81	118
		Dibromofluoromethane	50	48.2	96	80	119
		Toluene-d8	50	50.1	100	89	112
		4-Bromofluorobenzene	50	51.0	102	85	114

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1423

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Datafile : VX045032.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0225WBS01	Chloromethane	20	15.3	ug/L	77			50	139	
	Vinyl chloride	20	16.6	ug/L	83			58	137	
	Bromomethane	20	20.6	ug/L	103			53	141	
	Chloroethane	20	21.1	ug/L	106			60	138	
	Trichlorofluoromethane	20	18.6	ug/L	93			65	141	
	1,1,2-Trichlorotrifluoroethane	20	19.1	ug/L	96			70	136	
	1,1-Dichloroethene	20	17.0	ug/L	85			71	131	
	Acetone	100	110	ug/L	110			39	160	
	Carbon disulfide	20	15.3	ug/L	77			64	133	
	Methyl tert-butyl Ether	20	18.8	ug/L	94			71	124	
	Methylene Chloride	20	18.5	ug/L	93			74	124	
	trans-1,2-Dichloroethene	20	17.7	ug/L	89			75	124	
	1,1-Dichloroethane	20	18.7	ug/L	94			77	125	
	2-Butanone	100	120	ug/L	120			56	143	
	Carbon Tetrachloride	20	19.6	ug/L	98			72	136	
	cis-1,2-Dichloroethene	20	18.8	ug/L	94			78	123	
	Chloroform	20	19.6	ug/L	98			79	124	
	1,1,1-Trichloroethane	20	18.7	ug/L	94			74	131	
	Methylcyclohexane	20	18.2	ug/L	91			72	132	
	Benzene	20	19.1	ug/L	96			79	120	
	1,2-Dichloroethane	20	21.3	ug/L	106			73	128	
	Trichloroethene	20	19.2	ug/L	96			79	123	
	1,2-Dichloropropane	20	19.8	ug/L	99			78	122	
	Bromodichloromethane	20	20.4	ug/L	102			79	125	
	4-Methyl-2-Pentanone	100	120	ug/L	120			67	130	
	Toluene	20	19.6	ug/L	98			80	121	
	t-1,3-Dichloropropene	20	18.7	ug/L	94			73	127	
	cis-1,3-Dichloropropene	20	19.3	ug/L	97			75	124	
	1,1,2-Trichloroethane	20	20.7	ug/L	104			80	119	
	2-Hexanone	100	120	ug/L	120			57	139	
	Dibromochloromethane	20	20.2	ug/L	101			74	126	
	Tetrachloroethene	20	19.2	ug/L	96			74	129	
	Chlorobenzene	20	19.5	ug/L	98			82	118	
	Ethyl Benzene	20	19.0	ug/L	95			79	121	
	m/p-Xylenes	40	38.8	ug/L	97			80	121	
	o-Xylene	20	19.5	ug/L	98			78	122	
	Styrene	20	20.0	ug/L	100			78	123	
	Bromoform	20	21.0	ug/L	105			66	130	
	Isopropylbenzene	20	19.0	ug/L	95			72	131	
	1,1,2,2-Tetrachloroethane	20	19.7	ug/L	99			71	121	
	1,3-Dichlorobenzene	20	18.6	ug/L	93			80	119	
	1,4-Dichlorobenzene	20	18.6	ug/L	93			79	118	
	1,2-Dichlorobenzene	20	19.2	ug/L	96			80	119	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1423

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Datafile : VX045033.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0225WBSD01	Chloromethane	20	15.6	ug/L	78	1		50	139	20
	Vinyl chloride	20	16.1	ug/L	81	2		58	137	20
	Bromomethane	20	20.5	ug/L	103	0		53	141	20
	Chloroethane	20	22.7	ug/L	114	7		60	138	20
	Trichlorofluoromethane	20	18.9	ug/L	95	2		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	18.4	ug/L	92	4		70	136	20
	1,1-Dichloroethene	20	17.1	ug/L	86	1		71	131	20
	Acetone	100	120	ug/L	120	9		39	160	20
	Carbon disulfide	20	15.3	ug/L	77	0		64	133	20
	Methyl tert-butyl Ether	20	19.2	ug/L	96	2		71	124	20
	Methylene Chloride	20	18.5	ug/L	93	0		74	124	20
	trans-1,2-Dichloroethene	20	17.6	ug/L	88	1		75	124	20
	1,1-Dichloroethane	20	18.6	ug/L	93	1		77	125	20
	2-Butanone	100	120	ug/L	120	0		56	143	20
	Carbon Tetrachloride	20	19.6	ug/L	98	0		72	136	20
	cis-1,2-Dichloroethene	20	18.6	ug/L	93	1		78	123	20
	Chloroform	20	19.7	ug/L	99	1		79	124	20
	1,1,1-Trichloroethane	20	18.9	ug/L	95	1		74	131	20
	Methylcyclohexane	20	18.8	ug/L	94	3		72	132	20
	Benzene	20	18.8	ug/L	94	2		79	120	20
	1,2-Dichloroethane	20	21.5	ug/L	108	2		73	128	20
	Trichloroethene	20	19.4	ug/L	97	1		79	123	20
	1,2-Dichloropropane	20	19.9	ug/L	100	1		78	122	20
	Bromodichloromethane	20	20.9	ug/L	104	2		79	125	20
	4-Methyl-2-Pentanone	100	130	ug/L	130	8		67	130	20
	Toluene	20	19.3	ug/L	97	1		80	121	20
	t-1,3-Dichloropropene	20	18.3	ug/L	92	2		73	127	20
	cis-1,3-Dichloropropene	20	19.7	ug/L	99	2		75	124	20
	1,1,2-Trichloroethane	20	21.0	ug/L	105	1		80	119	20
	2-Hexanone	100	130	ug/L	130	8		57	139	20
	Dibromochloromethane	20	20.7	ug/L	104	3		74	126	20
	Tetrachloroethene	20	19.2	ug/L	96	0		74	129	20
	Chlorobenzene	20	19.3	ug/L	97	1		82	118	20
	Ethyl Benzene	20	19.2	ug/L	96	1		79	121	20
	m/p-Xylenes	40	39.5	ug/L	99	2		80	121	20
	o-Xylene	20	19.3	ug/L	97	1		78	122	20
	Styrene	20	20.2	ug/L	101	1		78	123	20
	Bromoform	20	21.2	ug/L	106	1		66	130	20
	Isopropylbenzene	20	18.7	ug/L	94	1		72	131	20
	1,1,2,2-Tetrachloroethane	20	20.2	ug/L	101	2		71	121	20
	1,3-Dichlorobenzene	20	19.2	ug/L	96	3		80	119	20
	1,4-Dichlorobenzene	20	18.6	ug/L	93	0		79	118	20
	1,2-Dichlorobenzene	20	19.8	ug/L	99	3		80	119	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1423

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Datafile : VX045080.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0228WBS01	Chloromethane	20	18.6	ug/L	93			50	139	
	Vinyl chloride	20	18.4	ug/L	92			58	137	
	Bromomethane	20	17.7	ug/L	89			53	141	
	Chloroethane	20	16.6	ug/L	83			60	138	
	Trichlorofluoromethane	20	18.6	ug/L	93			65	141	
	1,1,2-Trichlorotrifluoroethane	20	19.9	ug/L	100			70	136	
	1,1-Dichloroethene	20	18.1	ug/L	91			71	131	
	Acetone	100	83.3	ug/L	83			39	160	
	Carbon disulfide	20	17.7	ug/L	89			64	133	
	Methyl tert-butyl Ether	20	17.9	ug/L	90			71	124	
	Methylene Chloride	20	17.9	ug/L	90			74	124	
	trans-1,2-Dichloroethene	20	18.6	ug/L	93			75	124	
	1,1-Dichloroethane	20	17.9	ug/L	90			77	125	
	2-Butanone	100	91.6	ug/L	92			56	143	
	Carbon Tetrachloride	20	18.5	ug/L	93			72	136	
	cis-1,2-Dichloroethene	20	18.2	ug/L	91			78	123	
	Chloroform	20	18.1	ug/L	91			79	124	
	1,1,1-Trichloroethane	20	18.2	ug/L	91			74	131	
	Methylcyclohexane	20	20.8	ug/L	104			72	132	
	Benzene	20	19.0	ug/L	95			79	120	
	1,2-Dichloroethane	20	18.6	ug/L	93			73	128	
	Trichloroethene	20	18.6	ug/L	93			79	123	
	1,2-Dichloropropane	20	18.6	ug/L	93			78	122	
	Bromodichloromethane	20	18.6	ug/L	93			79	125	
	4-Methyl-2-Pentanone	100	95.6	ug/L	96			67	130	
	Toluene	20	19.6	ug/L	98			80	121	
	t-1,3-Dichloropropene	20	19.5	ug/L	98			73	127	
	cis-1,3-Dichloropropene	20	20.0	ug/L	100			75	124	
	1,1,2-Trichloroethane	20	19.1	ug/L	96			80	119	
	2-Hexanone	100	97.0	ug/L	97			57	139	
	Dibromochloromethane	20	18.5	ug/L	93			74	126	
	Tetrachloroethene	20	19.0	ug/L	95			74	129	
	Chlorobenzene	20	19.6	ug/L	98			82	118	
	Ethyl Benzene	20	19.4	ug/L	97			79	121	
	m/p-Xylenes	40	40.1	ug/L	100			80	121	
	o-Xylene	20	19.7	ug/L	99			78	122	
	Styrene	20	20.2	ug/L	101			78	123	
	Bromoform	20	18.2	ug/L	91			66	130	
	Isopropylbenzene	20	19.4	ug/L	97			72	131	
	1,1,2,2-Tetrachloroethane	20	18.3	ug/L	92			71	121	
	1,3-Dichlorobenzene	20	19.5	ug/L	98			80	119	
	1,4-Dichlorobenzene	20	19.4	ug/L	97			79	118	
	1,2-Dichlorobenzene	20	19.4	ug/L	97			80	119	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0225WBL01

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q1423

SAS No.: Q1423 SDG NO.: Q1423

Lab File ID: VX045031.D

Lab Sample ID: VX0225WBL01

Date Analyzed: 02/25/2025

Time Analyzed: 12:07

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
VX0225WBS01	VX0225WBS01	VX045032.D	02/25/2025
VX0225WBSD01	VX0225WBSD01	VX045033.D	02/25/2025
VPB192-HYD-20250221	Q1423-02	VX045038.D	02/25/2025
BP-VPB-192-GW-925-927	Q1423-04	VX045041.D	02/25/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0228WBL01

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q1423

SAS No.: Q1423 SDG NO.: Q1423

Lab File ID: VX045079.D

Lab Sample ID: VX0228WBL01

Date Analyzed: 02/28/2025

Time Analyzed: 11:23

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
VX0228WBS01	VX0228WBS01	VX045080.D	02/28/2025
BP-VPB-192-TB-20250220	Q1423-01	VX045084.D	02/28/2025
BP-VPB-192-EB-20250221	Q1423-03	VX045085.D	02/28/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06
 Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG NO.: Q1423
 Lab File ID: VX044867.D BFB Injection Date: 02/10/2025
 Instrument ID: MSVOA_X BFB Injection Time: 09:35
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.7
75	30.0 - 60.0% of mass 95	52.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.5 (0.6) 1
174	50.0 - 100.0% of mass 95	75.9
175	5.0 - 9.0% of mass 174	5.7 (7.5) 1
176	95.0 - 101.0% of mass 174	72.6 (95.7) 1
177	5.0 - 9.0% of mass 176	4.5 (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	VX044868.D	02/10/2025	10:25
VSTDIC005	VSTDIC005	VX044869.D	02/10/2025	10:48
VSTDIC020	VSTDIC020	VX044870.D	02/10/2025	11:11
VSTDIC050	VSTDIC050	VX044871.D	02/10/2025	11:34
VSTDIC100	VSTDIC100	VX044872.D	02/10/2025	12:05
VSTDIC150	VSTDIC150	VX044873.D	02/10/2025	12:28



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: TETR06
Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG NO.: Q1423
Lab File ID: VX045028.D BFB Injection Date: 02/25/2025
Instrument ID: MSVOA_X BFB Injection Time: 09:30
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	21.3
75	30.0 - 60.0% of mass 95	52.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	76.2
175	5.0 - 9.0% of mass 174	5.7 (7.5) 1
176	95.0 - 101.0% of mass 174	73.8 (96.9) 1
177	5.0 - 9.0% of mass 176	4.7 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX045029.D	02/25/2025	10:00
VX0225WBL01	VX0225WBL01	VX045031.D	02/25/2025	12:07
VX0225WBS01	VX0225WBS01	VX045032.D	02/25/2025	12:30
VX0225WBSD01	VX0225WBSD01	VX045033.D	02/25/2025	12:57
VPB192-HYD-20250221	Q1423-02	VX045038.D	02/25/2025	14:54
BP-VPB-192-GW-925-927	Q1423-04	VX045041.D	02/25/2025	16:03
VSTDCCC050EC	VSTDCCC050	VX045042.D	02/25/2025	16:28



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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG NO.: Q1423
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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
 BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06
 Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG NO.: Q1423
 Lab File ID: VX045076.D BFB Injection Date: 02/28/2025
 Instrument ID: MSVOA_X BFB Injection Time: 10:03
 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	21.1
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	6.9
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	74.6
175	5.0 - 9.0% of mass 174	5.5 (7.4) 1
176	95.0 - 101.0% of mass 174	72.8 (97.6) 1
177	5.0 - 9.0% of mass 176	5.1 (7) 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	VX045077.D	02/28/2025	10:32
VX0228WBL01	VX0228WBL01	VX045079.D	02/28/2025	11:23
VX0228WBS01	VX0228WBS01	VX045080.D	02/28/2025	11:46
BP-VPB-192-TB-20250220	Q1423-01	VX045084.D	02/28/2025	13:23
BP-VPB-192-EB-20250221	Q1423-03	VX045085.D	02/28/2025	13:47
VSTDCCC050EC	VSTDCCC050	VX045098.D	02/28/2025	18:50

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG NO.: Q1423
Lab File ID: VX045029.D Date Analyzed: 02/25/2025
Instrument ID: MSVOA_X Time Analyzed: 10:00
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	110252	5.54	188741	6.75	166334	10.05
UPPER LIMIT	220504	6.044	377482	7.251	332668	10.549
LOWER LIMIT	55126	5.044	94370.5	6.251	83167	9.549
EPA SAMPLE NO.						
VPB192-HYD-20250221	78098	5.54	154583	6.76	143564	10.05
BP-VPB-192-GW-925-927	78013	5.54	157287	6.76	140409	10.06
VX0225WBL01	79395	5.55	159366	6.76	142850	10.05
VX0225WBS01	112915	5.55	200483	6.76	175398	10.05
VX0225WBSD01	104015	5.55	184616	6.76	164218	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: TETR06
Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG NO.: Q1423
Lab File ID: VX045029.D Date Analyzed: 02/25/2025
Instrument ID: MSVOA_X Time Analyzed: 10:00
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	76720	12.018				
UPPER LIMIT	153440	12.518				
LOWER LIMIT	38360	11.518				
EPA SAMPLE NO.						
VPB192-HYD-20250221	57225	12.02				
BP-VPB-192-GW-925-927	56448	12.02				
VX0225WBL01	58355	12.02				
VX0225WBS01	80174	12.02				
VX0225WBSD01	77007	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: TETR06
Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG NO.: Q1423
Lab File ID: VX045077.D Date Analyzed: 02/28/2025
Instrument ID: MSVOA_X Time Analyzed: 10:32
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	111989	5.54	196414	6.75	172369	10.05
UPPER LIMIT	223978	6.037	392828	7.251	344738	10.549
LOWER LIMIT	55994.5	5.037	98207	6.251	86184.5	9.549
EPA SAMPLE NO.						
BP-VPB-192-TB-20250220	70094	5.55	139228	6.76	127899	10.06
BP-VPB-192-EB-20250221	68971	5.54	136036	6.76	125036	10.06
VX0228WBL01	76430	5.54	149381	6.76	137180	10.05
VX0228WBS01	108329	5.54	192724	6.76	169474	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: TETR06
Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG NO.: Q1423
Lab File ID: VX045077.D Date Analyzed: 02/28/2025
Instrument ID: MSVOA_X Time Analyzed: 10:32
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	76314	12.018				
UPPER LIMIT	152628	12.518				
LOWER LIMIT	38157	11.518				
EPA SAMPLE NO.						
BP-VPB-192-TB-20250220	54116	12.02				
BP-VPB-192-EB-20250221	51925	12.02				
VX0228WBL01	59690	12.02				
VX0228WBS01	76472	12.02				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

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



SAMPLE DATA

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/20/25	
Project:	CTO WE13		Date Received:	02/24/25	
Client Sample ID:	BP-VPB-192-TB-20250220		SDG No.:	Q1423	
Lab Sample ID:	Q1423-01		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045084.D	1		02/28/25 13:23	VX022825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	14.0		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/20/25	
Project:	CTO WE13		Date Received:	02/24/25	
Client Sample ID:	BP-VPB-192-TB-20250220		SDG No.:	Q1423	
Lab Sample ID:	Q1423-01		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045084.D	1		02/28/25 13:23	VX022825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.2		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	51.9		89 - 112		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	70100	5.55				
540-36-3	1,4-Difluorobenzene	139000	6.757				
3114-55-4	Chlorobenzene-d5	128000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	54100	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/20/25	
Project:	CTO WE13		Date Received:	02/24/25	
Client Sample ID:	BP-VPB-192-TB-20250220		SDG No.:	Q1423	
Lab Sample ID:	Q1423-01		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045084.D	1		02/28/25 13:23	VX022825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX022825\
Data File : VX045084.D
Acq On : 28 Feb 2025 13:23
Operator : JC/MD
Sample : Q1423-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250220

Quant Time: Feb 28 13:49:25 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)

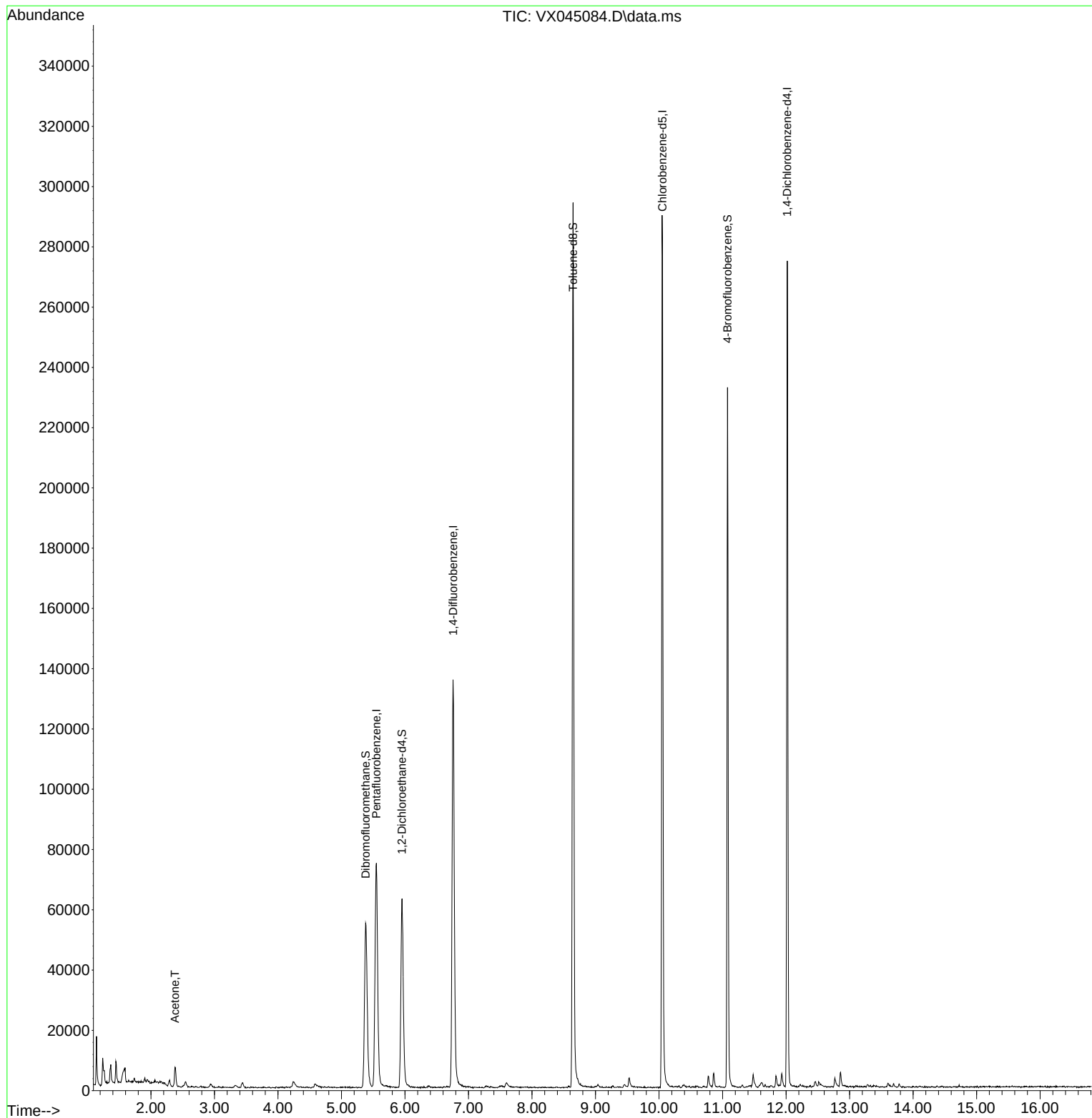
Internal Standards						
1) Pentafluorobenzene	5.550	168	70094	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	139228	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127899	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54116	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58186	52.187	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 104.380%		
35) Dibromofluoromethane	5.379	113	49417	53.081	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 106.160%		
50) Toluene-d8	8.647	98	175141	51.892	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 103.780%		
62) 4-Bromofluorobenzene	11.079	95	58482	52.290	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 104.580%		
Target Compounds						Qvalue
16) Acetone	2.380	43	7253	14.021	ug/l	95

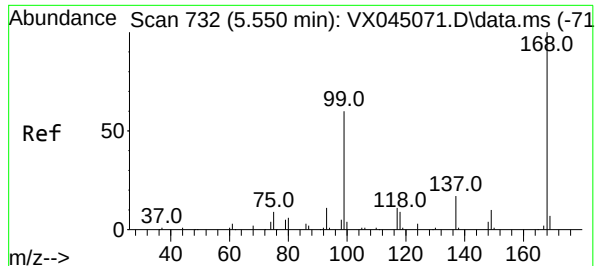
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045084.D
Acq On : 28 Feb 2025 13:23
Operator : JC/MD
Sample : Q1423-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250220

Quant Time: Feb 28 13:49:25 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: VX045084.D

Acq: 28 Feb 2025 13:23

Instrument :

MSVOA_X

ClientSampleId :

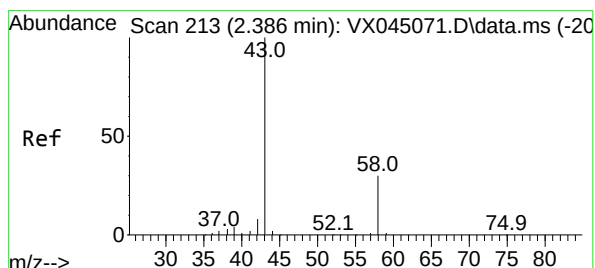
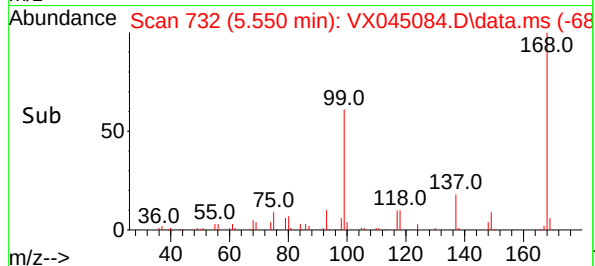
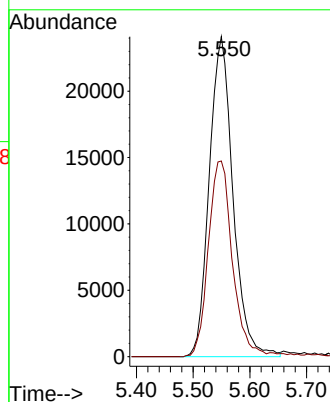
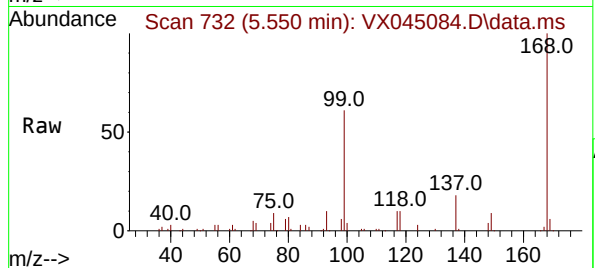
BP-VPB-192-TB-20250220

Tgt Ion:168 Resp: 70094

Ion Ratio Lower Upper

168 100

99 61.1 48.2 72.4



#16

Acetone

Concen: 14.021 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX045084.D

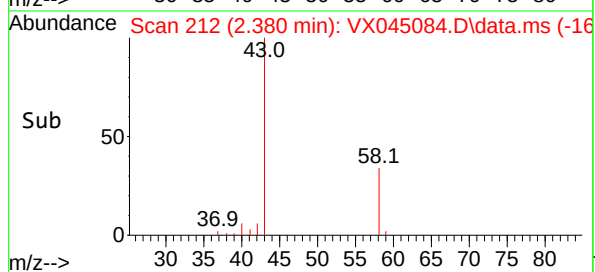
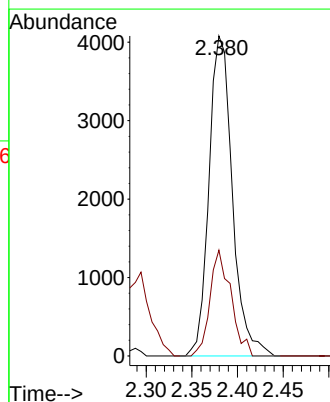
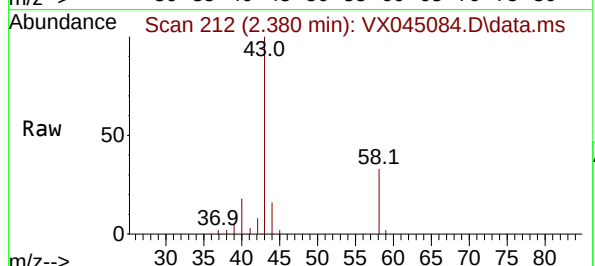
Acq: 28 Feb 2025 13:23

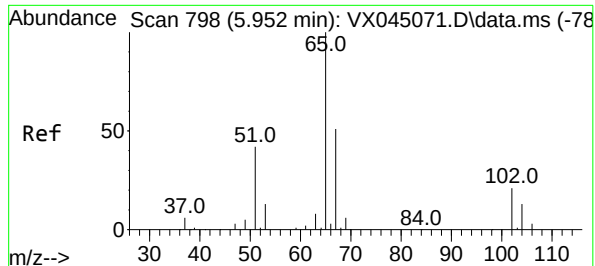
Tgt Ion: 43 Resp: 7253

Ion Ratio Lower Upper

43 100

58 33.1 24.2 36.4





#33

1,2-Dichloroethane-d4

Concen: 52.187 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045084.D

Acq: 28 Feb 2025 13:23

Instrument :

MSVOA_X

ClientSampleId :

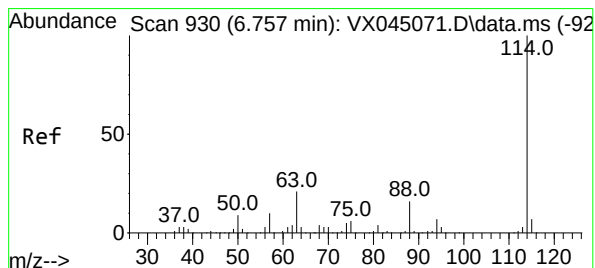
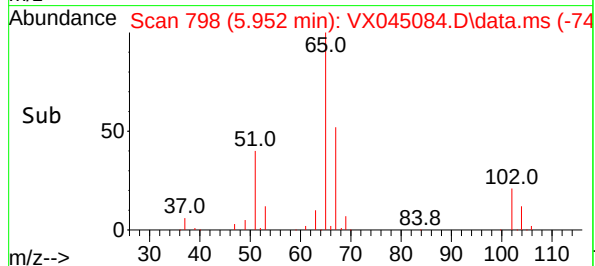
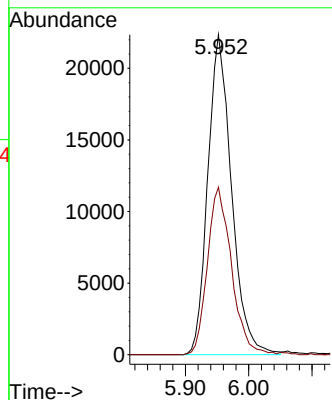
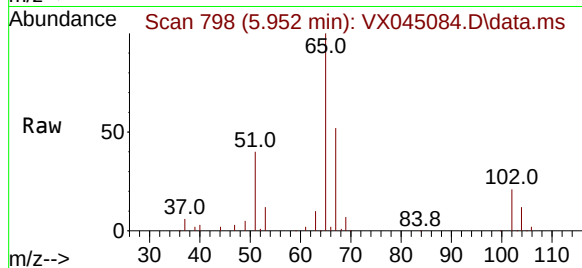
BP-VPB-192-TB-20250220

Tgt Ion: 65 Resp: 58186

Ion Ratio Lower Upper

65 100

67 53.1 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: VX045084.D

Acq: 28 Feb 2025 13:23

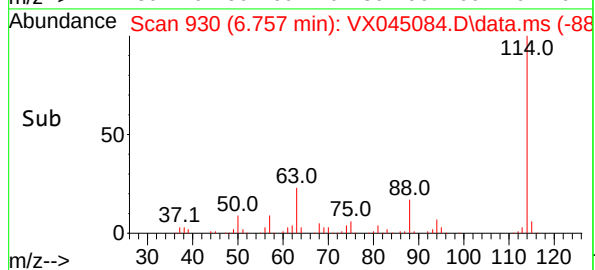
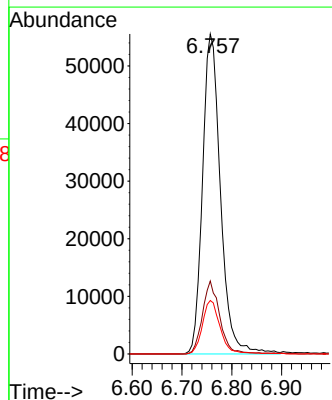
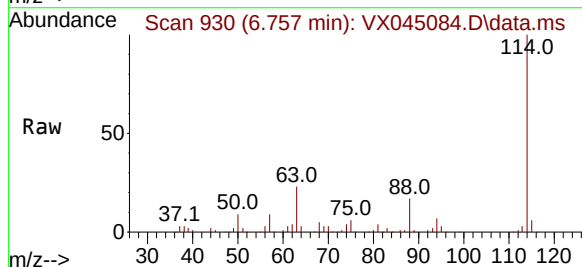
Tgt Ion: 114 Resp: 139228

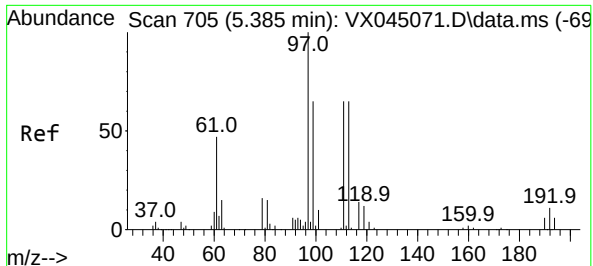
Ion Ratio Lower Upper

114 100

63 22.8 0.0 41.8

88 16.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 53.081 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX045084.D

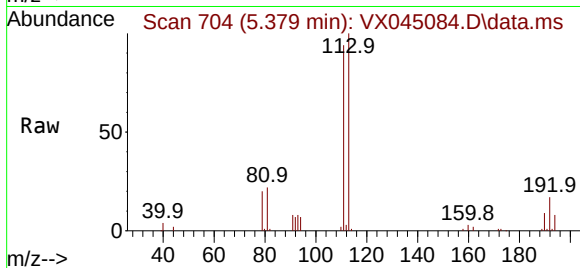
Acq: 28 Feb 2025 13:23

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-TB-20250220



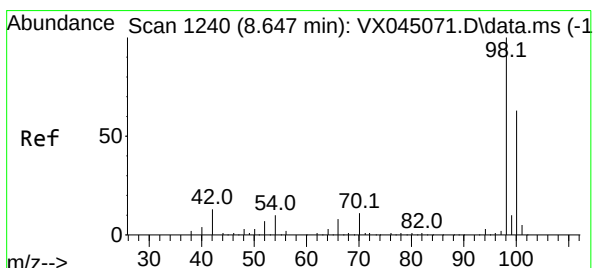
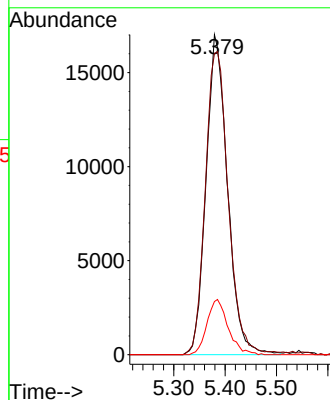
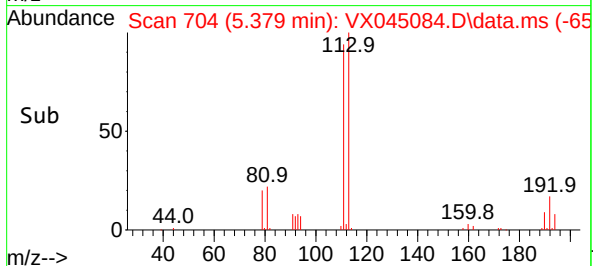
Tgt Ion:113 Resp: 49417

Ion Ratio Lower Upper

113 100

111 101.4 81.8 122.6

192 17.0 14.3 21.5



#50

Toluene-d8

Concen: 51.892 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045084.D

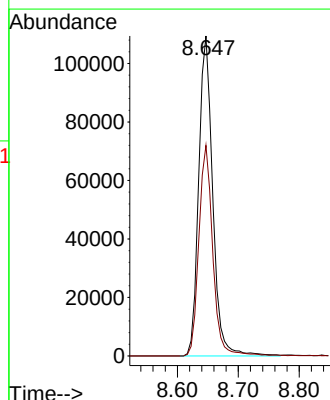
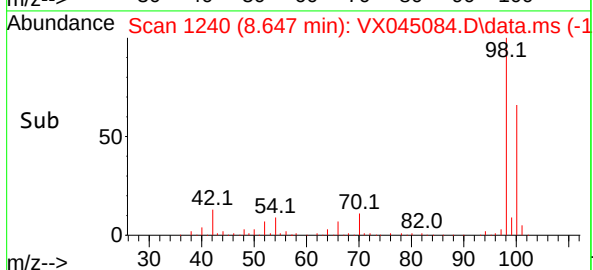
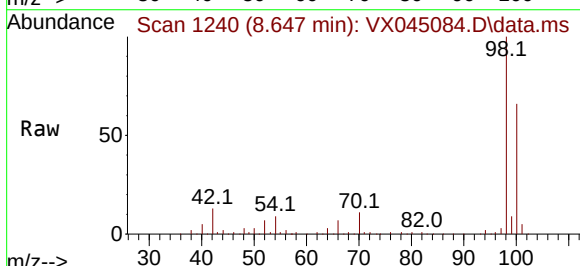
Acq: 28 Feb 2025 13:23

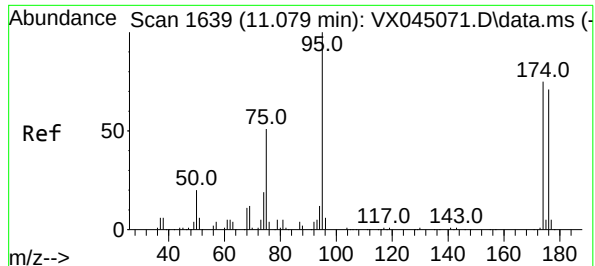
Tgt Ion: 98 Resp: 175141

Ion Ratio Lower Upper

98 100

100 65.5 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 52.290 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045084.D

Acq: 28 Feb 2025 13:23

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-TB-20250220

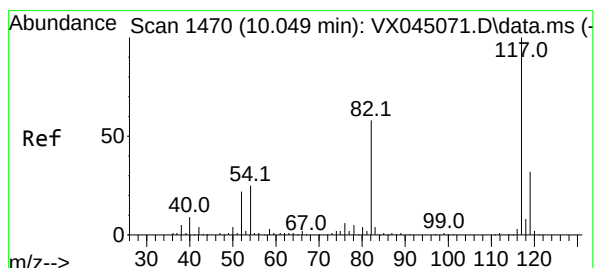
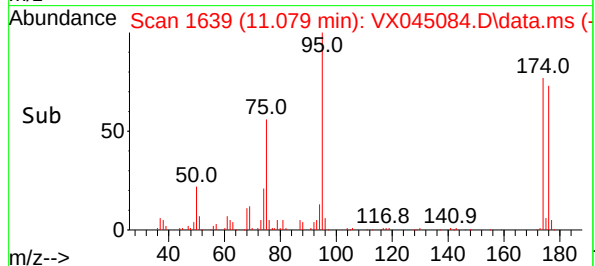
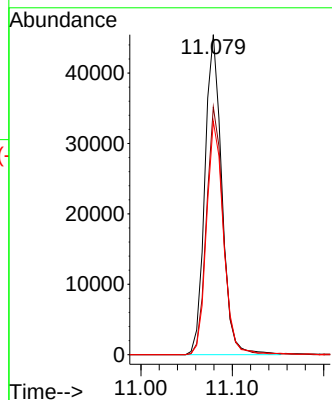
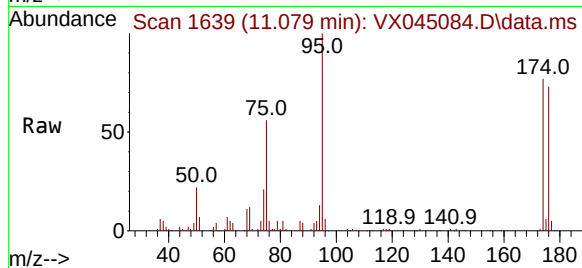
Tgt Ion: 95 Resp: 58482

Ion Ratio Lower Upper

95 100

174 76.7 0.0 148.2

176 72.6 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: VX045084.D

Acq: 28 Feb 2025 13:23

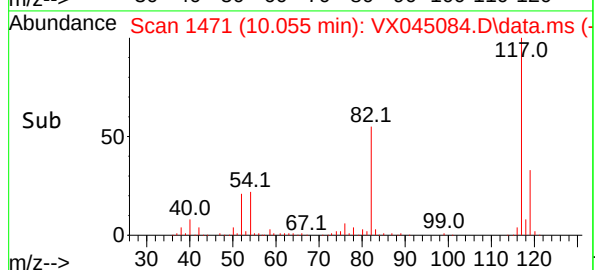
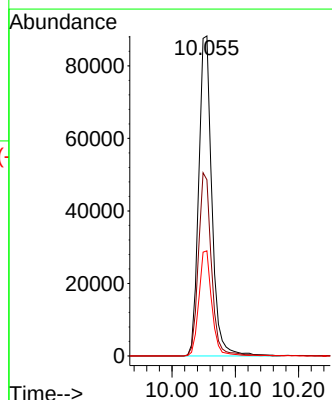
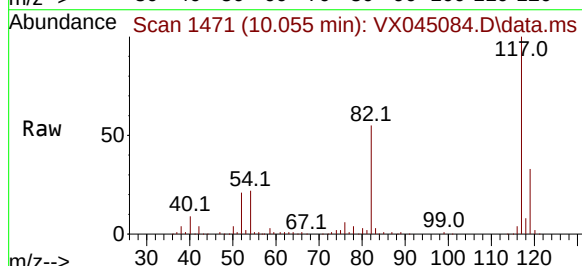
Tgt Ion: 117 Resp: 127899

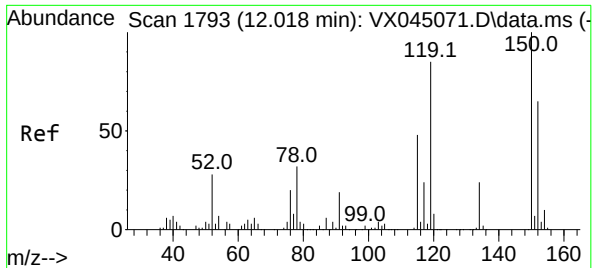
Ion Ratio Lower Upper

117 100

82 55.1 46.3 69.5

119 32.8 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045084.D

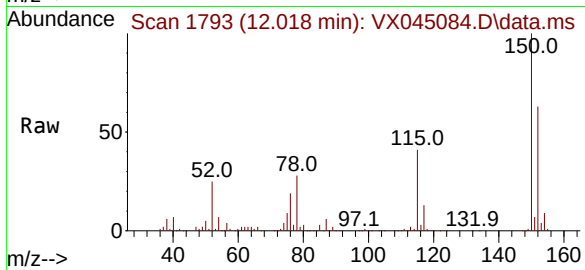
Acq: 28 Feb 2025 13:23

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-TB-20250220



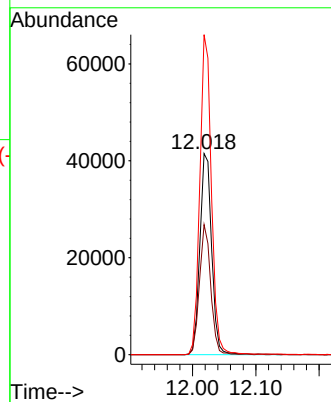
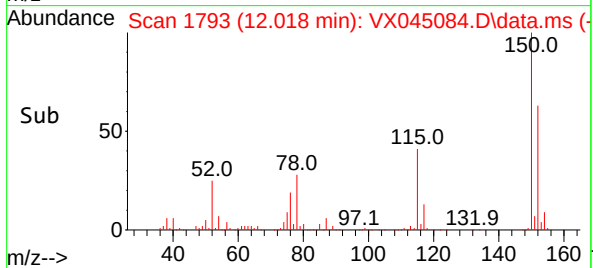
Tgt Ion:152 Resp: 54116

Ion Ratio Lower Upper

152 100

115 61.6 44.2 132.6

150 155.5 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045084.D
Acq On : 28 Feb 2025 13:23
Operator : JC/MD
Sample : Q1423-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250220

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: VX045084.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	6	9	19	rVB	16474	16891	3.56%	0.671%
2	1.240	21	25	28	rBV	9087	12266	2.58%	0.487%
3	1.368	41	46	53	rBV3	5988	8576	1.81%	0.341%
4	1.447	56	59	65	rBV	7229	9155	1.93%	0.364%
5	1.581	72	81	82	rBV3	4585	10956	2.31%	0.435%
6	2.380	206	212	219	rBV	6444	11107	2.34%	0.441%
7	5.379	693	704	720	rBV2	54568	162678	34.24%	6.460%
8	5.550	720	732	746	rBV	74114	213893	45.02%	8.494%
9	5.952	789	798	812	rBV	62612	165710	34.88%	6.580%
10	6.757	921	930	946	rBV	135249	331907	69.87%	13.180%
11	8.647	1233	1240	1258	rBV	293552	475057	100.00%	18.865%
12	9.531	1381	1385	1391	rBV4	2904	4778	1.01%	0.190%
13	10.049	1465	1470	1485	rBV	289509	410216	86.35%	16.290%
14	10.774	1585	1589	1596	rBV2	3764	6396	1.35%	0.254%
15	10.860	1599	1603	1613	rVB3	4598	7218	1.52%	0.287%
16	11.079	1634	1639	1653	rBV	232094	291703	61.40%	11.584%
17	11.482	1700	1705	1715	rVB3	4139	7519	1.58%	0.299%
18	11.841	1760	1764	1771	rBV2	3726	6181	1.30%	0.245%
19	11.933	1775	1779	1785	rVV3	4360	6977	1.47%	0.277%
20	12.018	1788	1793	1807	rBV	274115	345880	72.81%	13.735%
21	12.768	1912	1916	1925	rBV5	3095	6077	1.28%	0.241%
22	12.859	1927	1931	1936	rVV3	4688	7074	1.49%	0.281%

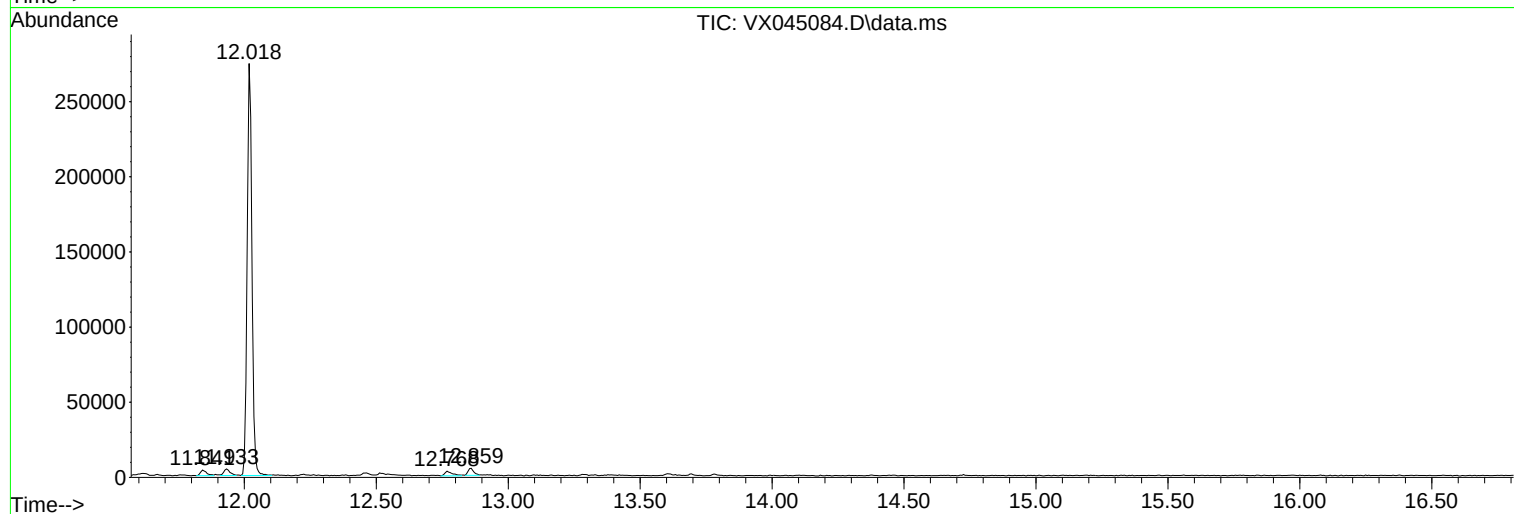
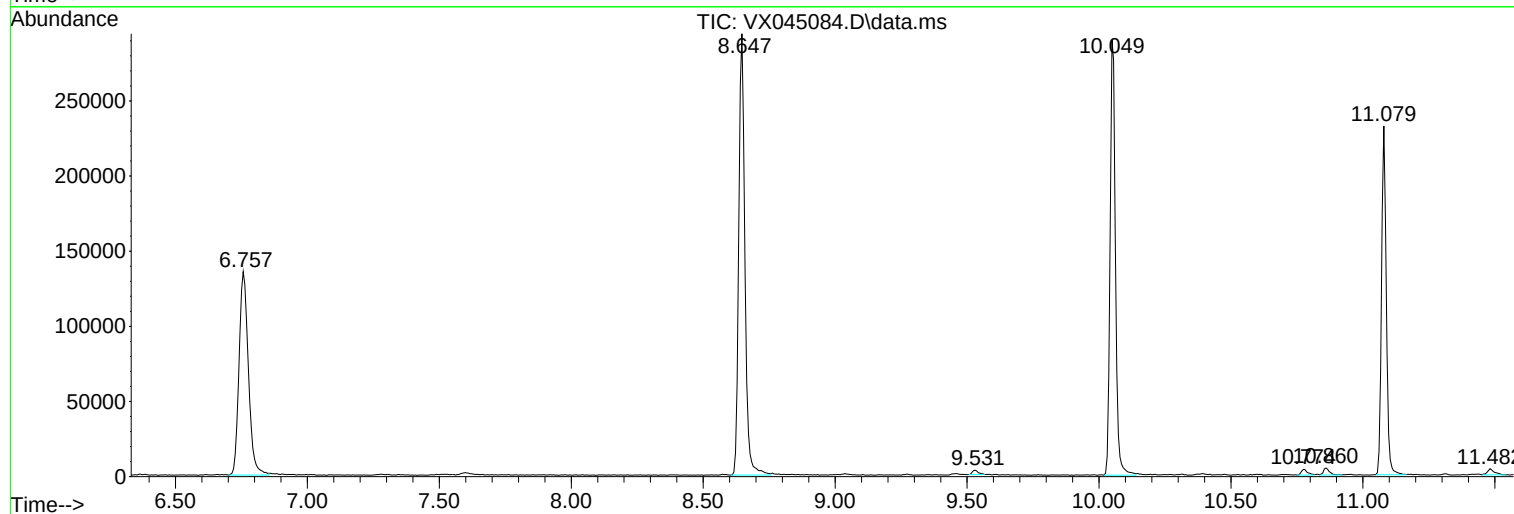
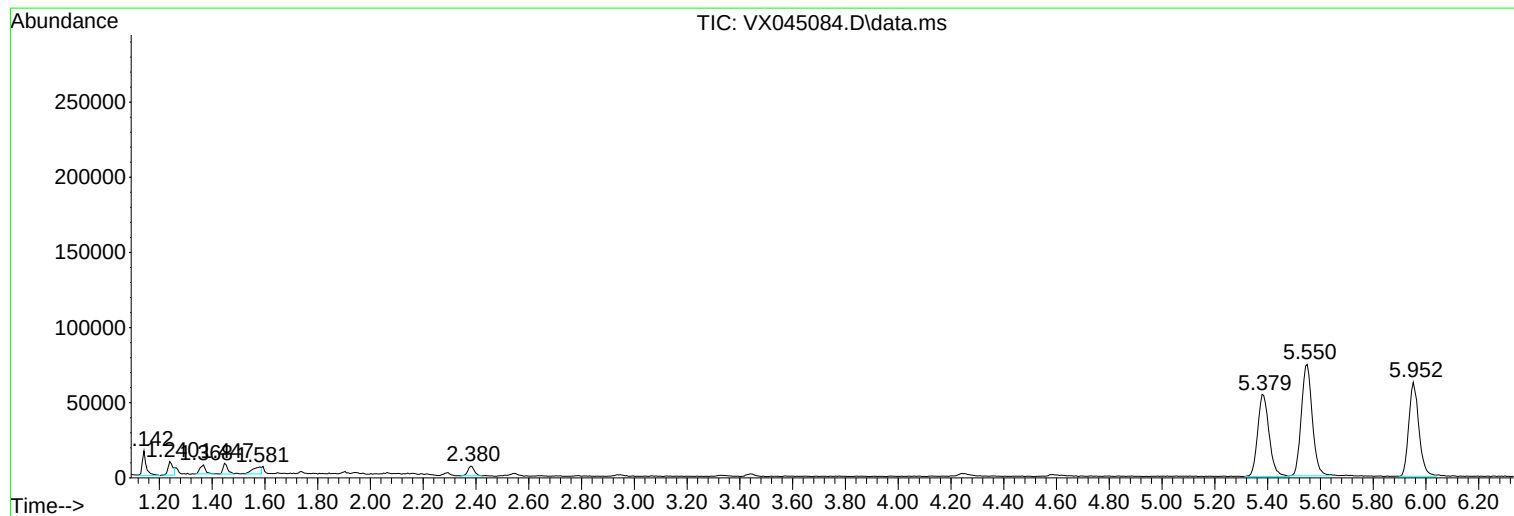
Sum of corrected areas: 2518215

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045084.D
Acq On : 28 Feb 2025 13:23
Operator : JC/MD
Sample : Q1423-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250220

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\VX022825\
Data File : VX045084.D
Acq On : 28 Feb 2025 13:23
Operator : JC/MD
Sample : Q1423-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250220

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\VX022825\
Data File : VX045084.D
Acq On : 28 Feb 2025 13:23
Operator : JC/MD
Sample : Q1423-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-TB-20250220

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:	Tetra Tech NUS, Inc.		Date Collected:	02/21/25	
Project:	CTO WE13		Date Received:	02/24/25	
Client Sample ID:	VPB192-HYD-20250221		SDG No.:	Q1423	
Lab Sample ID:	Q1423-02		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045038.D	1		02/25/25 14:54	VX022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.80	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.99	J	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/21/25	
Project:	CTO WE13		Date Received:	02/24/25	
Client Sample ID:	VPB192-HYD-20250221		SDG No.:	Q1423	
Lab Sample ID:	Q1423-02		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045038.D	1		02/25/25 14:54	VX022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	1.50		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.7		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	50.4		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	78100	5.544				
540-36-3	1,4-Difluorobenzene	155000	6.757				
3114-55-4	Chlorobenzene-d5	144000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	57200	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/21/25	
Project:	CTO WE13		Date Received:	02/24/25	
Client Sample ID:	VPB192-HYD-20250221		SDG No.:	Q1423	
Lab Sample ID:	Q1423-02		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045038.D	1		02/25/25 14:54	VX022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX022525\
Data File : VX045038.D
Acq On : 25 Feb 2025 14:54
Operator : JC/MD
Sample : Q1423-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250221

Quant Time: Feb 26 03:16:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

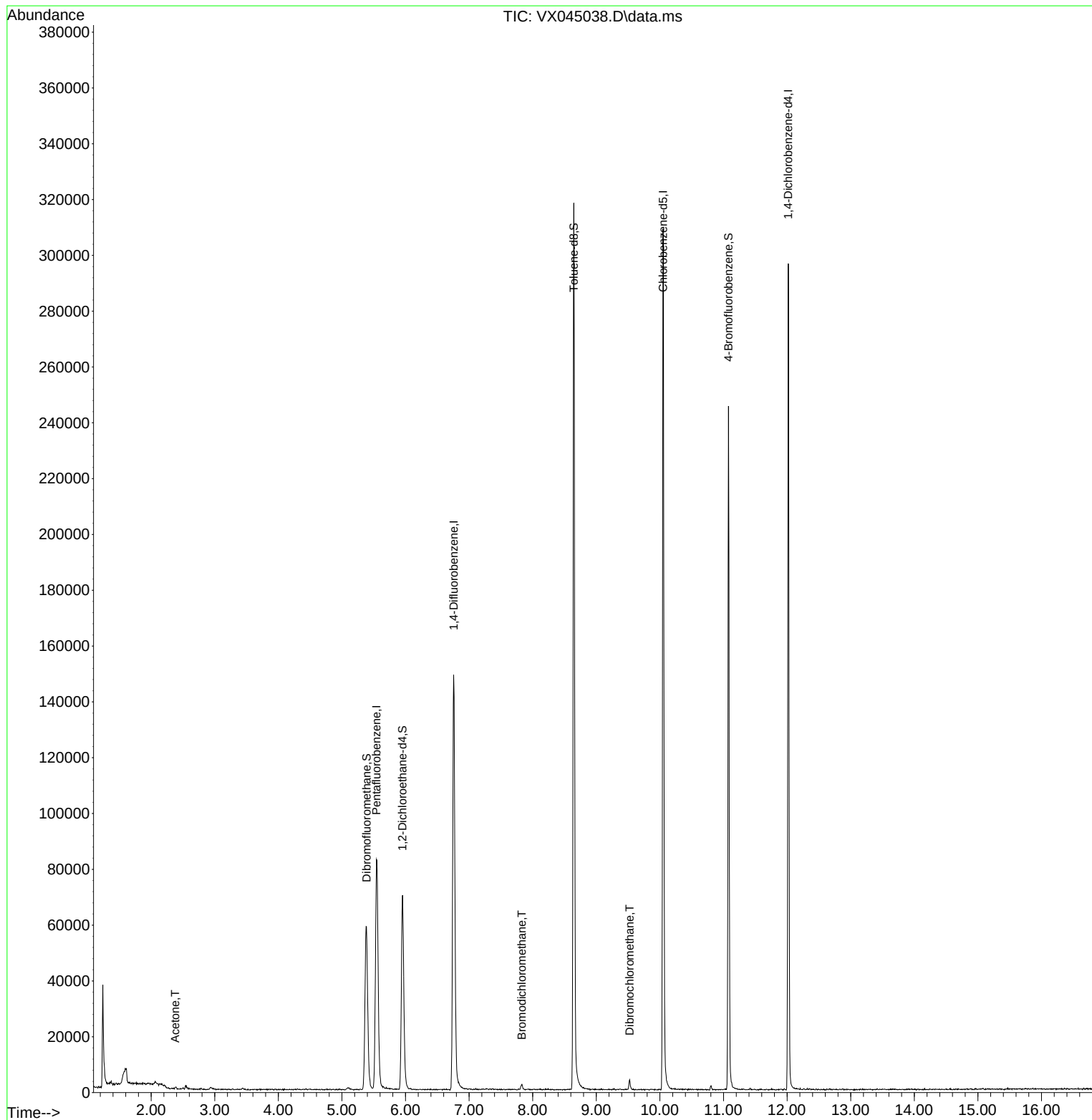
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	78098	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	154583	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	143564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63724	55.741	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	111.480%	
35) Dibromofluoromethane	5.385	113	53252	52.985	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	105.960%	
50) Toluene-d8	8.647	98	191636	50.424	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	100.840%	
62) 4-Bromofluorobenzene	11.079	95	64904	50.658	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	101.320%	
Target Compounds						
					Qvalue	
16) Acetone	2.380	43	821	1.786	ug/l #	83
47) Bromodichloromethane	7.830	83	1499	0.991	ug/l #	89
60) Dibromochloromethane	9.525	129	1635	1.475	ug/l	97

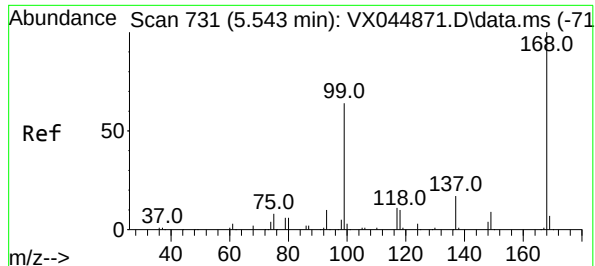
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045038.D
Acq On : 25 Feb 2025 14:54
Operator : JC/MD
Sample : Q1423-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250221

Quant Time: Feb 26 03:16:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

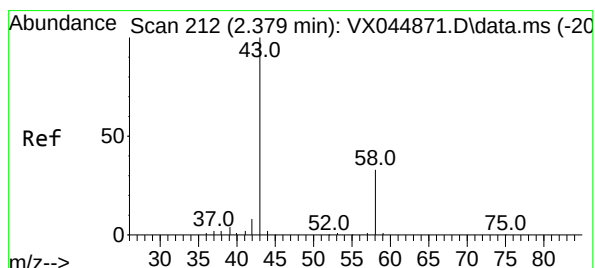
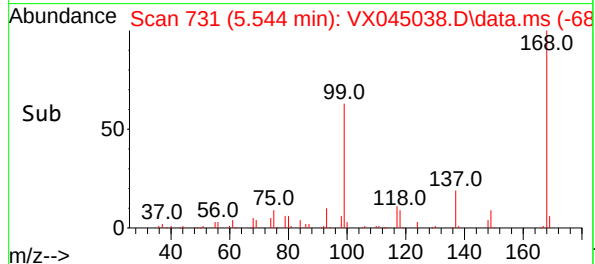
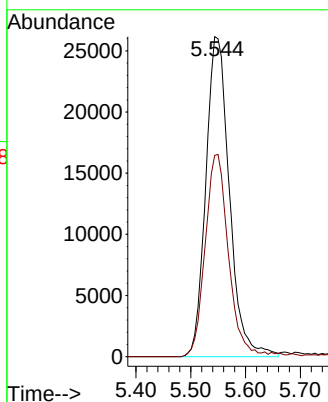
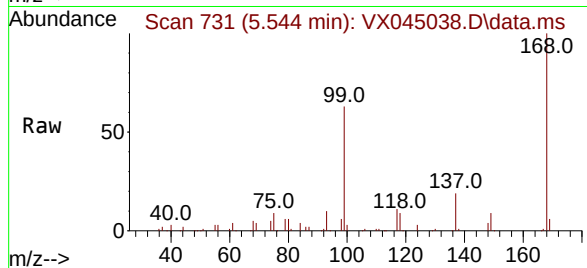




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.001 min
Lab File: VX045038.D
Acq: 25 Feb 2025 14:54

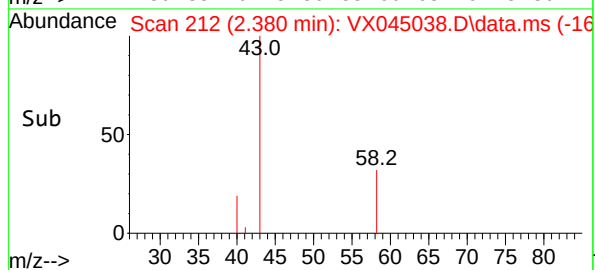
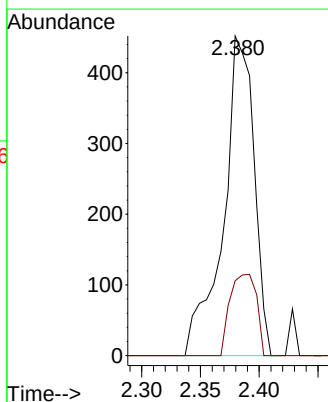
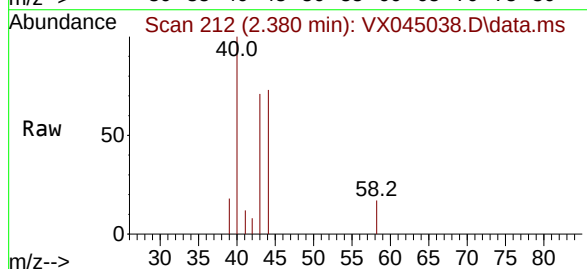
Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250221

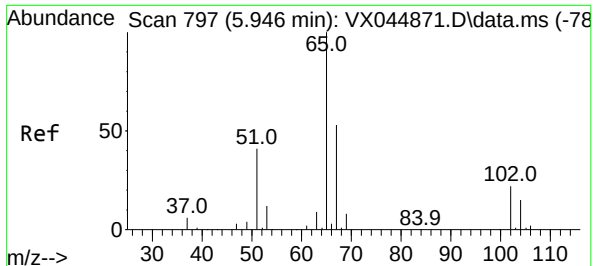
Tgt Ion:168 Resp: 78098
Ion Ratio Lower Upper
168 100
99 62.9 51.2 76.8



#16
Acetone
Concen: 1.786 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX045038.D
Acq: 25 Feb 2025 14:54

Tgt Ion: 43 Resp: 821
Ion Ratio Lower Upper
43 100
58 23.5 26.5 39.7#





#33

1,2-Dichloroethane-d4

Concen: 55.741 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX045038.D

Acq: 25 Feb 2025 14:54

Instrument :

MSVOA_X

ClientSampleId :

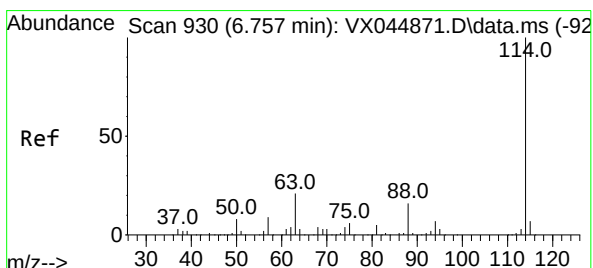
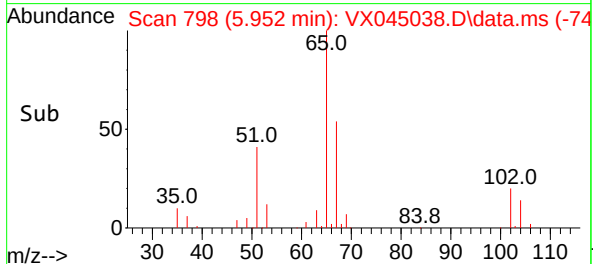
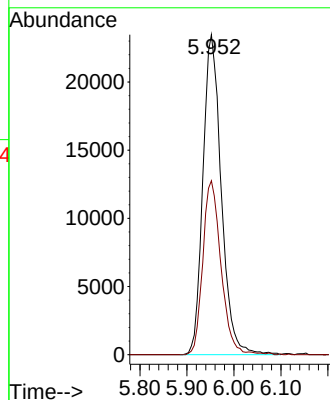
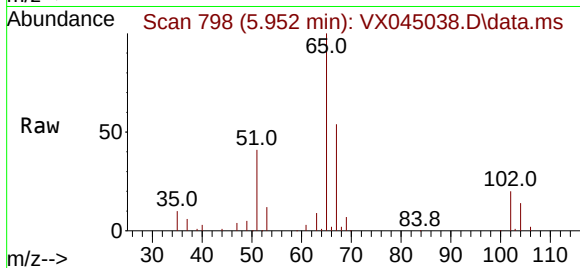
VPB192-HYD-20250221

Tgt Ion: 65 Resp: 63724

Ion Ratio Lower Upper

65 100

67 53.7 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045038.D

Acq: 25 Feb 2025 14:54

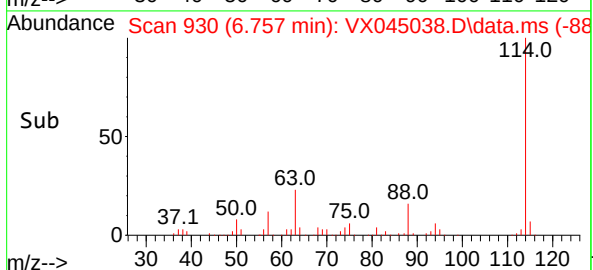
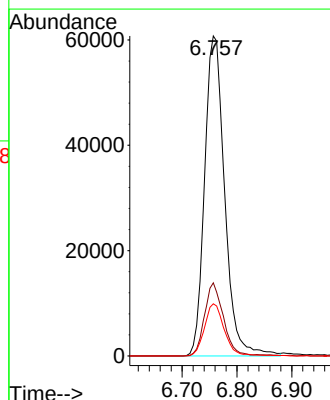
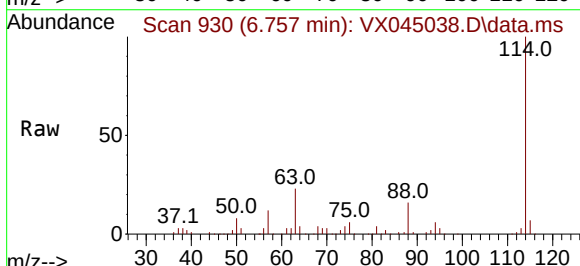
Tgt Ion: 114 Resp: 154583

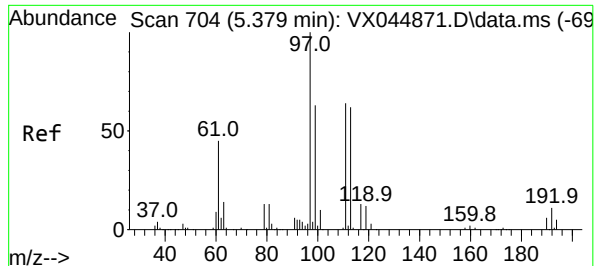
Ion Ratio Lower Upper

114 100

63 22.8 0.0 42.4

88 16.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.985 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX045038.D

Acq: 25 Feb 2025 14:54

Instrument :

MSVOA_X

ClientSampleId :

VPB192-HYD-20250221

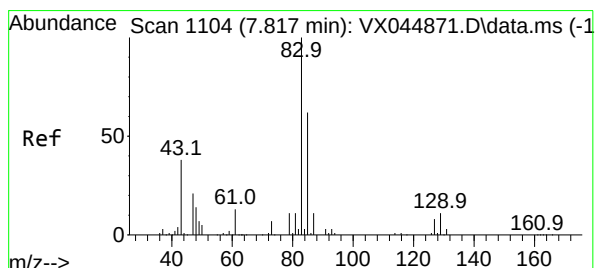
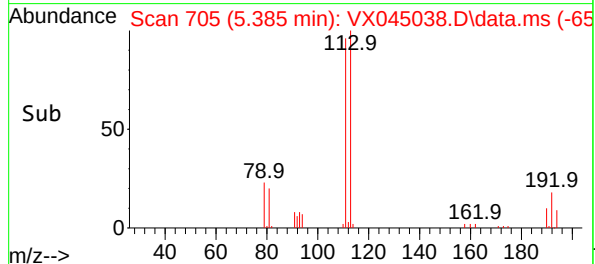
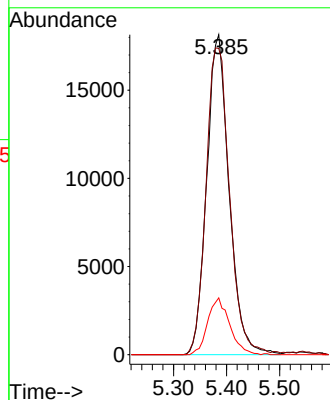
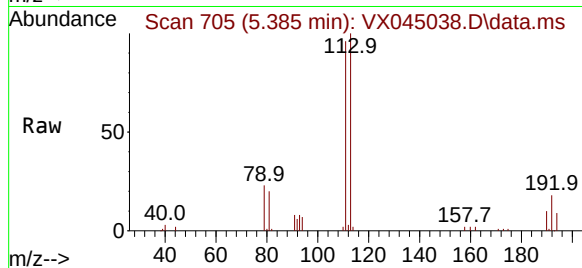
Tgt Ion:113 Resp: 53252

Ion Ratio Lower Upper

113 100

111 100.7 83.5 125.3

192 17.4 14.4 21.6



#47

Bromodichloromethane

Concen: 0.991 ug/l

RT: 7.830 min Scan# 1106

Delta R.T. 0.012 min

Lab File: VX045038.D

Acq: 25 Feb 2025 14:54

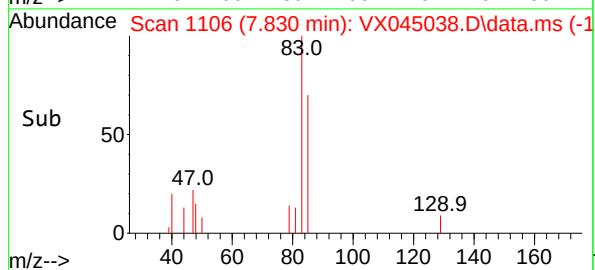
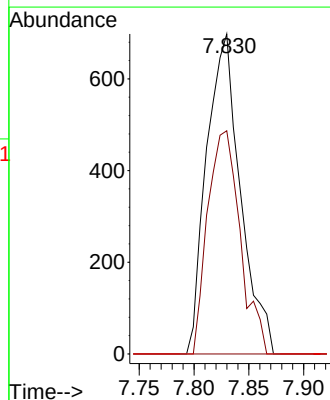
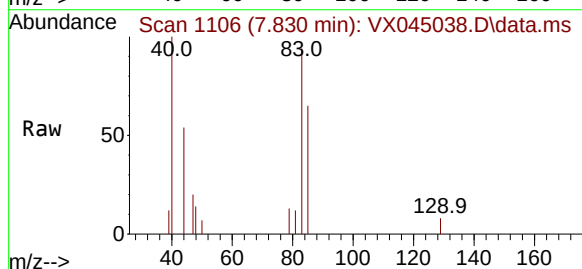
Tgt Ion: 83 Resp: 1499

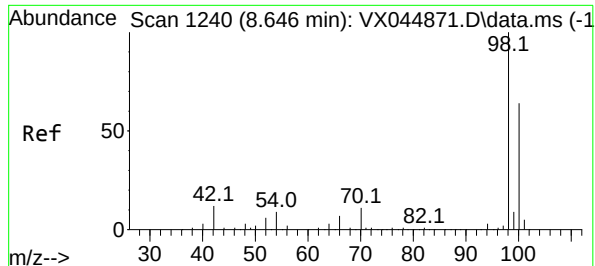
Ion Ratio Lower Upper

83 100

85 69.8 50.0 75.0

127 0.0 6.4 9.6#





#50

Toluene-d8

Concen: 50.424 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX045038.D

Acq: 25 Feb 2025 14:54

Instrument :

MSVOA_X

ClientSampleId :

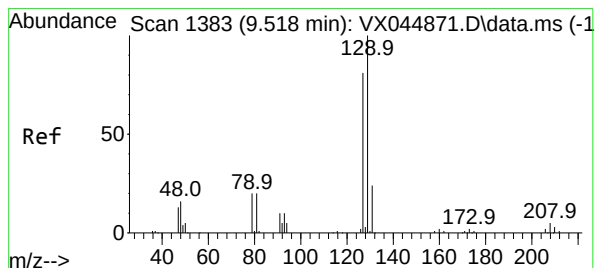
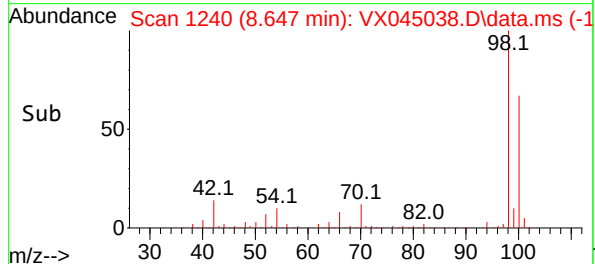
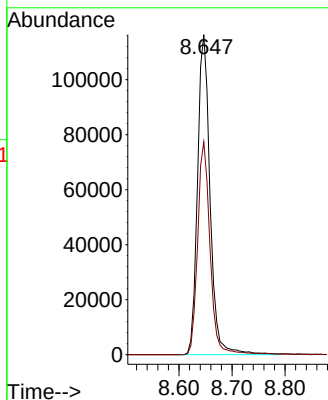
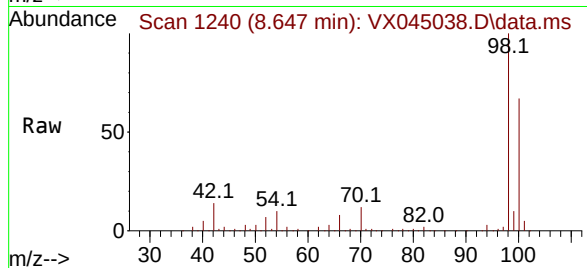
VPB192-HYD-20250221

Tgt Ion: 98 Resp: 191636

Ion Ratio Lower Upper

98 100

100 65.9 52.7 79.1



#60

Dibromochloromethane

Concen: 1.475 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. 0.006 min

Lab File: VX045038.D

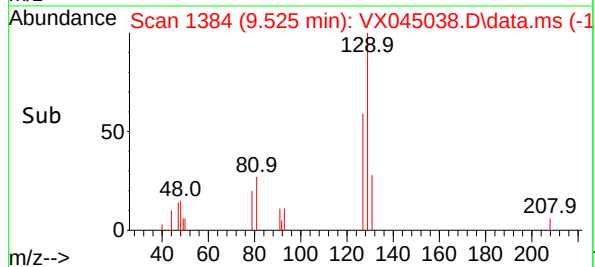
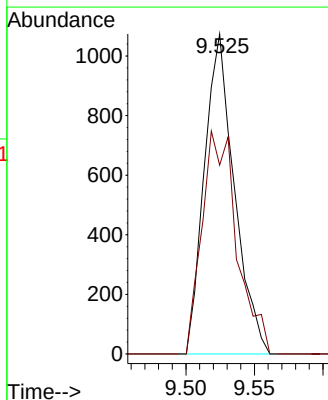
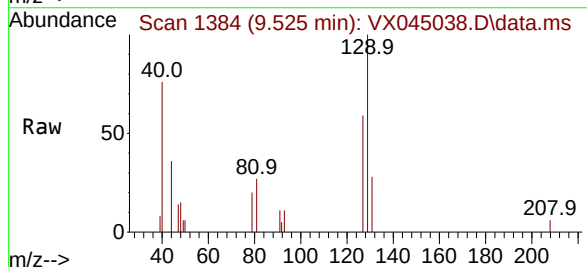
Acq: 25 Feb 2025 14:54

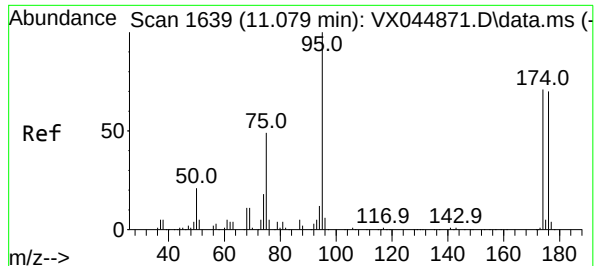
Tgt Ion: 129 Resp: 1635

Ion Ratio Lower Upper

129 100

127 80.8 39.1 117.3





#62

4-Bromofluorobenzene

Concen: 50.658 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045038.D

Acq: 25 Feb 2025 14:54

Instrument :

MSVOA_X

ClientSampleId :

VPB192-HYD-20250221

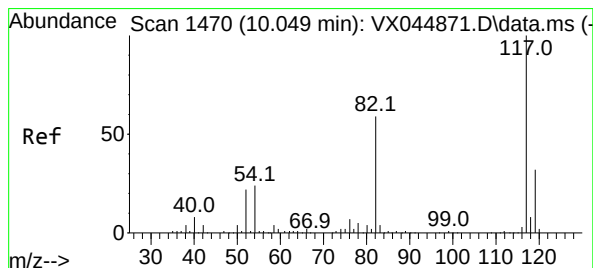
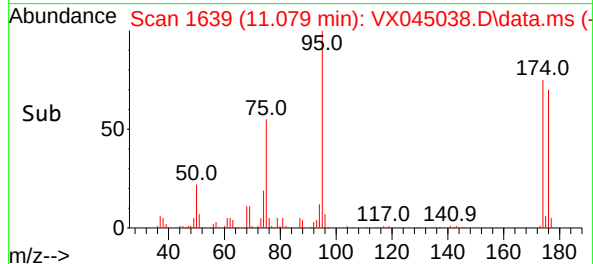
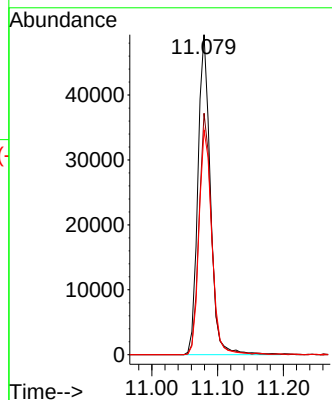
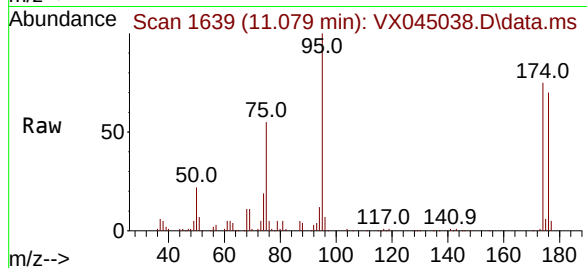
Tgt Ion: 95 Resp: 64904

Ion Ratio Lower Upper

95 100

174 75.9 0.0 142.6

176 72.3 0.0 141.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX045038.D

Acq: 25 Feb 2025 14:54

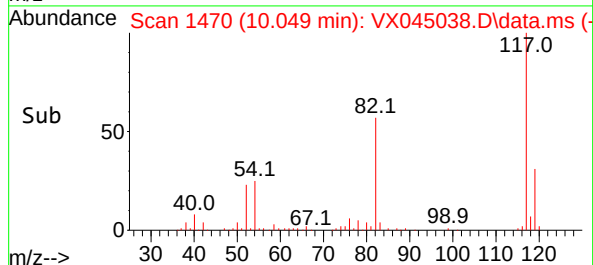
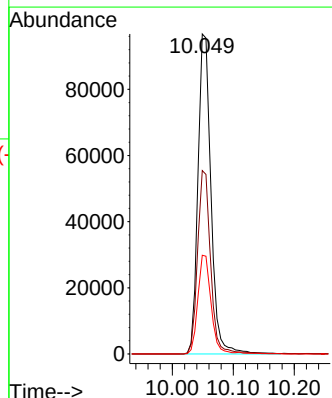
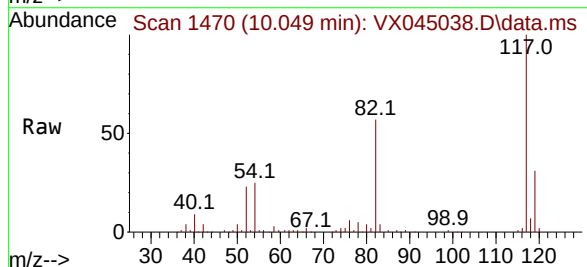
Tgt Ion: 117 Resp: 143564

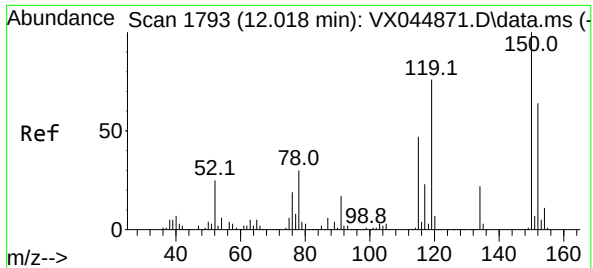
Ion Ratio Lower Upper

117 100

82 57.3 47.5 71.3

119 30.9 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX045038.D

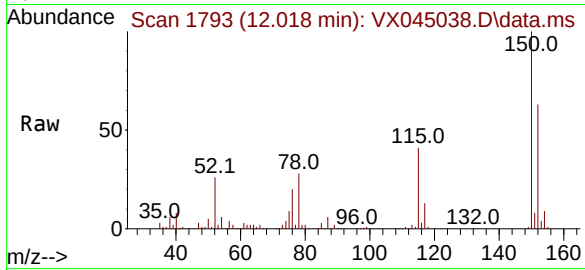
Acq: 25 Feb 2025 14:54

Instrument :

MSVOA_X

ClientSampleId :

VPB192-HYD-20250221



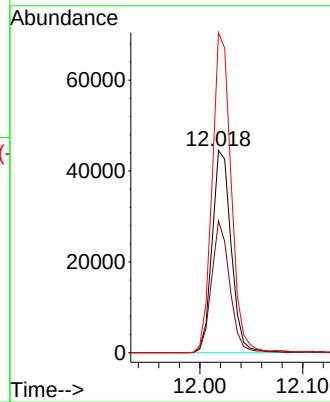
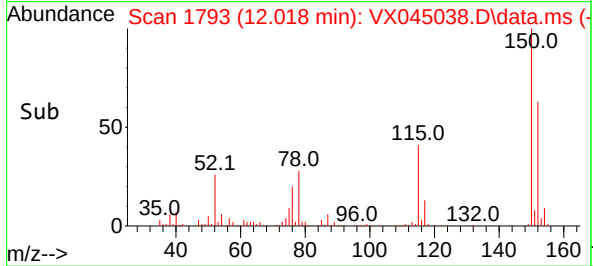
Tgt Ion:152 Resp: 57225

Ion Ratio Lower Upper

152 100

115 62.4 43.4 130.1

150 158.4 0.0 350.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045038.D
Acq On : 25 Feb 2025 14:54
Operator : JC/MD
Sample : Q1423-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250221

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\82X021025W.M

Title : SW846 8260

Signal : TIC: VX045038.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	35	rBV	36834	52057	9.99%	1.919%
2	1.593	72	83	84	rBV5	5159	13599	2.61%	0.501%
3	5.379	694	704	721	rBV	58417	176004	33.77%	6.489%
4	5.544	721	731	745	rBV	81962	236814	45.43%	8.731%
5	5.952	789	798	814	rBV2	69612	184371	35.37%	6.798%
6	6.757	921	930	950	rBV	148753	371065	71.19%	13.681%
7	8.647	1233	1240	1264	rBV	317667	521261	100.00%	19.219%
8	9.525	1380	1384	1391	rVB	3556	5517	1.06%	0.203%
9	10.049	1465	1470	1491	rBV	308530	458721	88.00%	16.913%
10	11.079	1634	1639	1651	rBV	244901	320339	61.45%	11.811%
11	12.018	1788	1793	1807	rBV	296143	372481	71.46%	13.733%

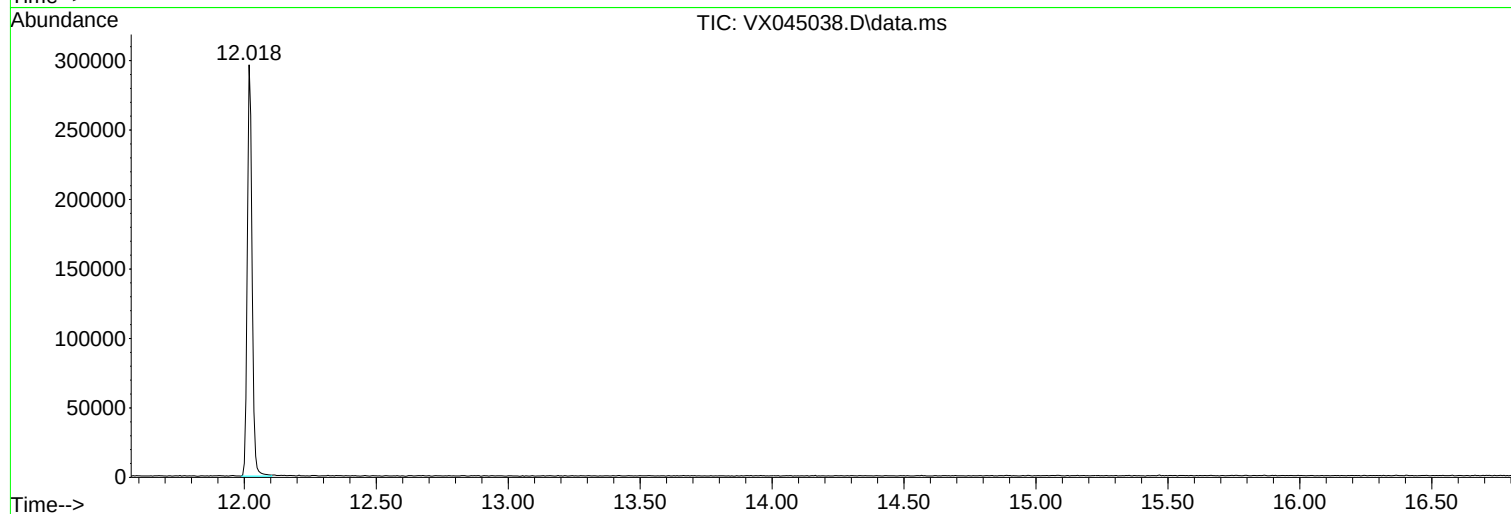
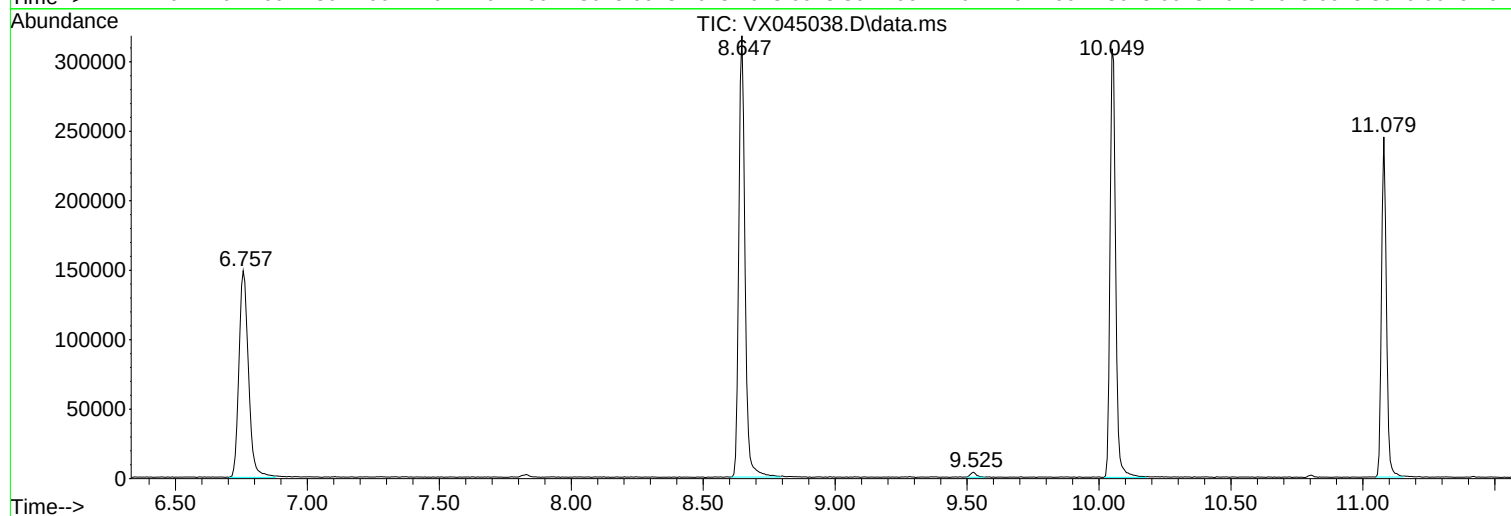
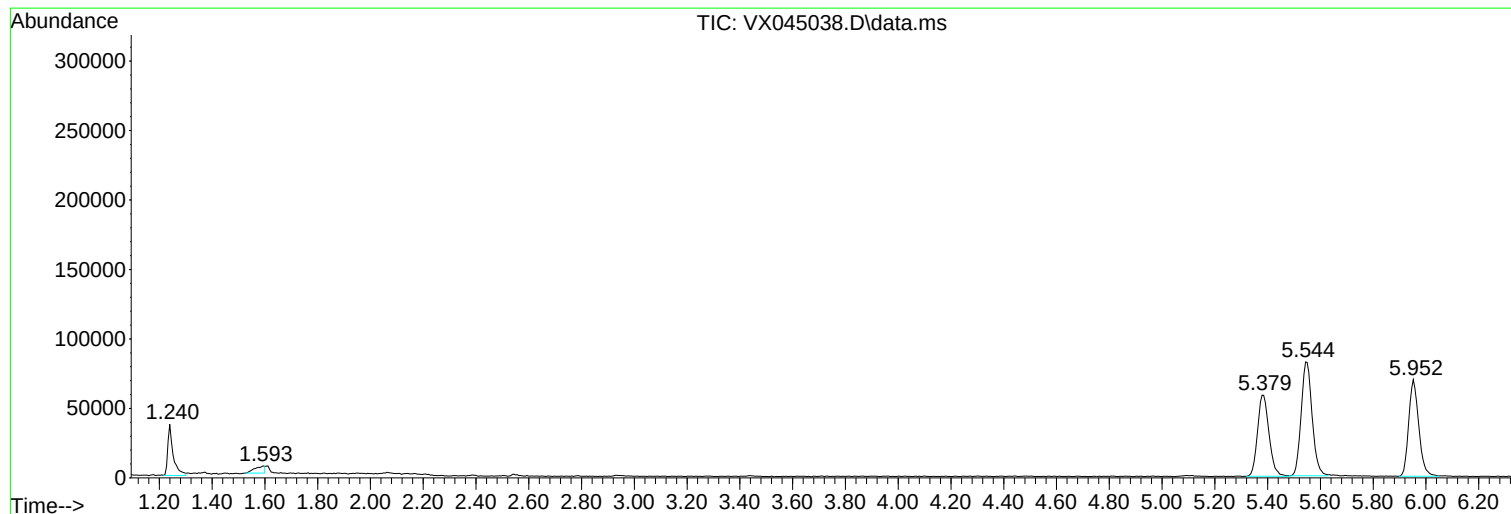
Sum of corrected areas: 2712229

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045038.D
Acq On : 25 Feb 2025 14:54
Operator : JC/MD
Sample : Q1423-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250221

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045038.D
Acq On : 25 Feb 2025 14:54
Operator : JC/MD
Sample : Q1423-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250221

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.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\VX022525\
Data File : VX045038.D
Acq On : 25 Feb 2025 14:54
Operator : JC/MD
Sample : Q1423-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB192-HYD-20250221

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.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:	Tetra Tech NUS, Inc.		Date Collected:	02/21/25	
Project:	CTO WE13		Date Received:	02/24/25	
Client Sample ID:	BP-VPB-192-EB-20250221		SDG No.:	Q1423	
Lab Sample ID:	Q1423-03		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045085.D	1		02/28/25 13:47	VX022825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	12.7		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.64	J	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/21/25	
Project:	CTO WE13		Date Received:	02/24/25	
Client Sample ID:	BP-VPB-192-EB-20250221		SDG No.:	Q1423	
Lab Sample ID:	Q1423-03		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045085.D	1		02/28/25 13:47	VX022825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.2		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	51.4		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	69000	5.544				
540-36-3	1,4-Difluorobenzene	136000	6.757				
3114-55-4	Chlorobenzene-d5	125000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	51900	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/21/25	
Project:	CTO WE13		Date Received:	02/24/25	
Client Sample ID:	BP-VPB-192-EB-20250221		SDG No.:	Q1423	
Lab Sample ID:	Q1423-03		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045085.D	1		02/28/25 13:47	VX022825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX022825\
Data File : VX045085.D
Acq On : 28 Feb 2025 13:47
Operator : JC/MD
Sample : Q1423-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-EB-20250221

Quant Time: Feb 28 14:23:59 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

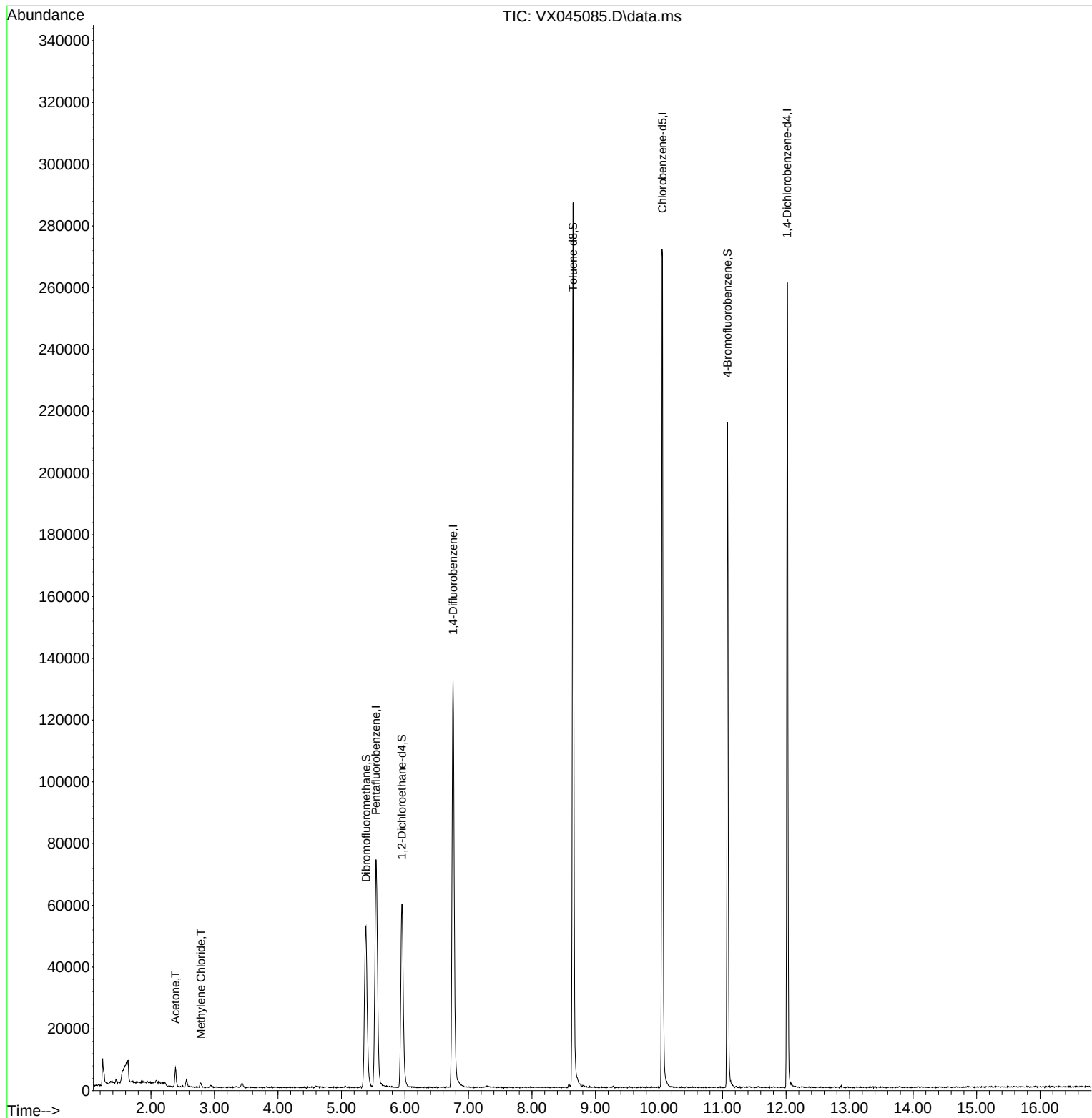
Compound		R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards							
1) Pentafluorobenzene		5.544	168	68971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		6.757	114	136036	50.000	ug/l	0.00
63) Chlorobenzene-d5		10.055	117	125036	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		12.018	152	51925	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		5.952	65	56190	51.218	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125		Recovery	= 102.440%		
35) Dibromofluoromethane		5.385	113	45886	50.444	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124		Recovery	= 100.880%		
50) Toluene-d8		8.647	98	169589	51.426	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113		Recovery	= 102.860%		
62) 4-Bromofluorobenzene		11.079	95	57093	52.246	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121		Recovery	= 104.500%		
Target Compounds							Qvalue
16) Acetone		2.386	43	6489	12.748	ug/l	96
20) Methylene Chloride		2.788	84	643	0.638	ug/l #	73

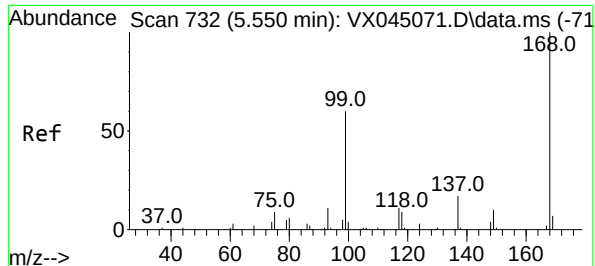
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045085.D
Acq On : 28 Feb 2025 13:47
Operator : JC/MD
Sample : Q1423-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-EB-20250221

Quant Time: Feb 28 14:23:59 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

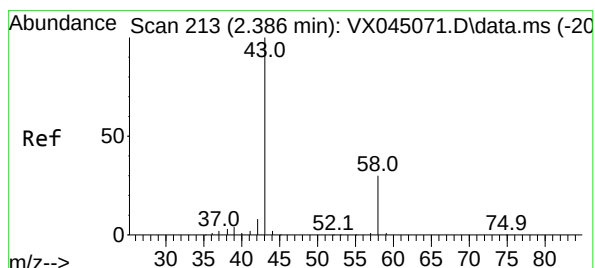
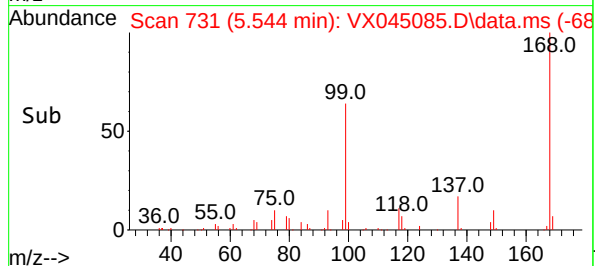
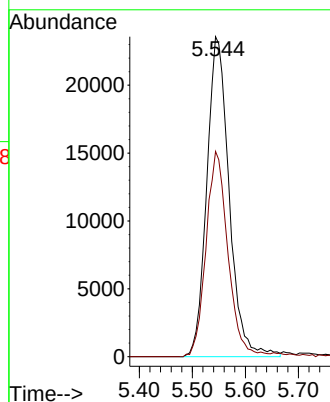
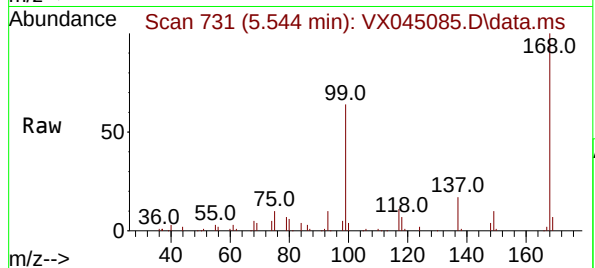




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045085.D
Acq: 28 Feb 2025 13:47

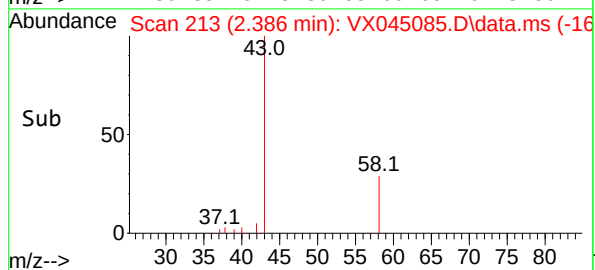
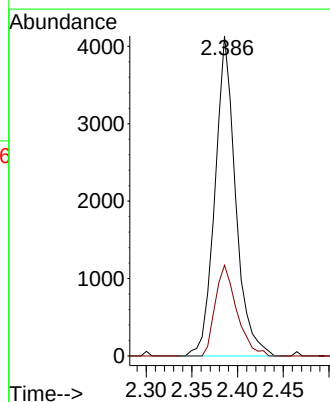
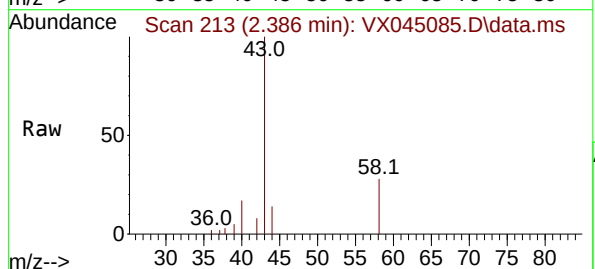
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-EB-20250221

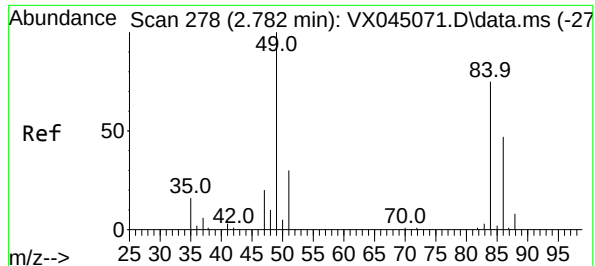
Tgt Ion:168 Resp: 68971
Ion Ratio Lower Upper
168 100
99 64.1 48.2 72.4



#16
Acetone
Concen: 12.748 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045085.D
Acq: 28 Feb 2025 13:47

Tgt Ion: 43 Resp: 6489
Ion Ratio Lower Upper
43 100
58 28.4 24.2 36.4





#20

Methylene Chloride

Concen: 0.638 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX045085.D

Acq: 28 Feb 2025 13:47

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-EB-20250221

Tgt Ion: 84 Resp: 643

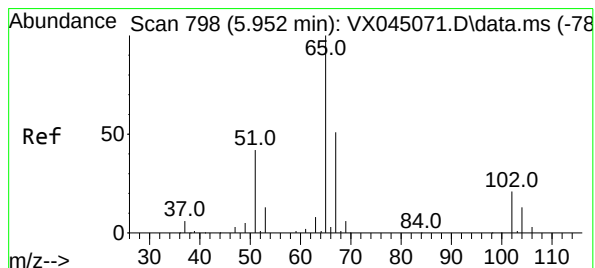
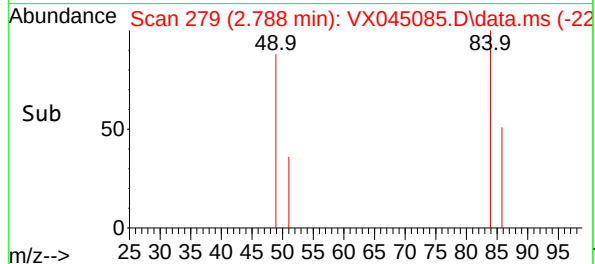
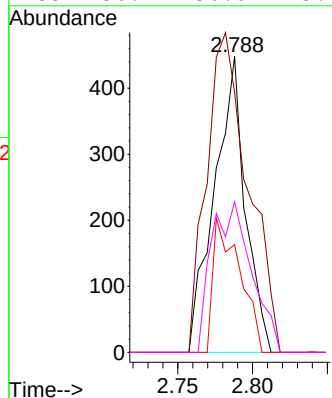
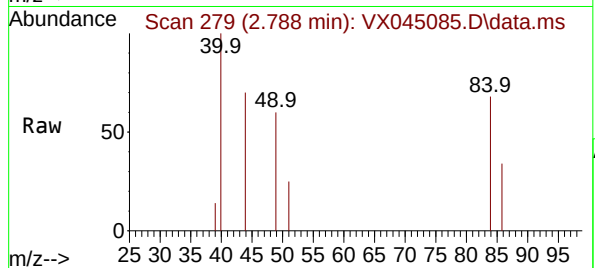
Ion Ratio Lower Upper

84 100

49 87.9 106.5 159.7#

51 36.4 32.1 48.1

86 50.9 50.0 75.0



#33

1,2-Dichloroethane-d4

Concen: 51.218 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045085.D

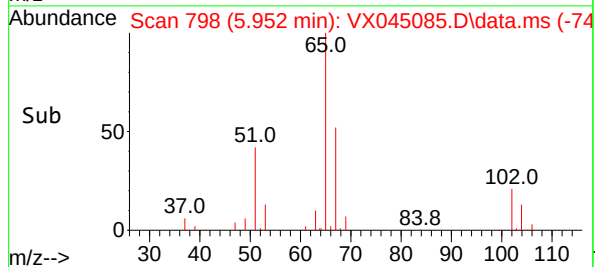
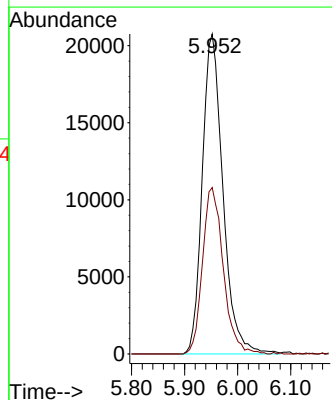
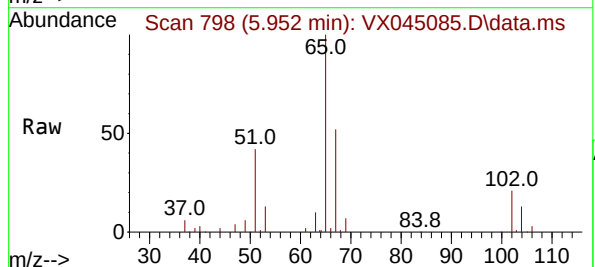
Acq: 28 Feb 2025 13:47

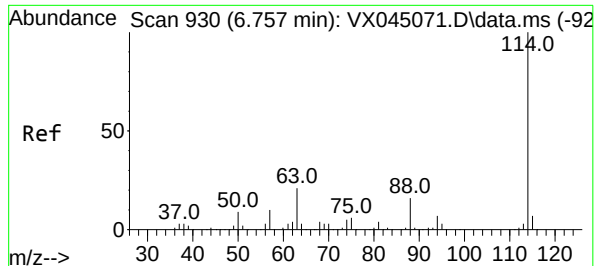
Tgt Ion: 65 Resp: 56190

Ion Ratio Lower Upper

65 100

67 52.2 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: VX045085.D

Acq: 28 Feb 2025 13:47

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-EB-20250221

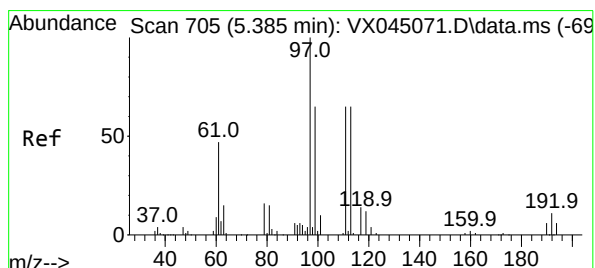
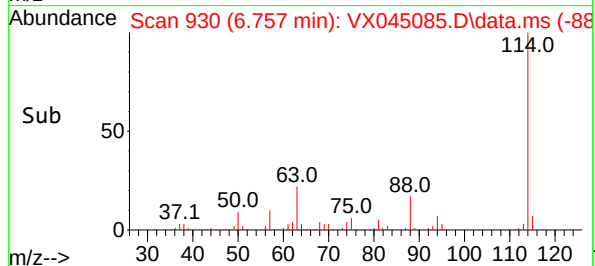
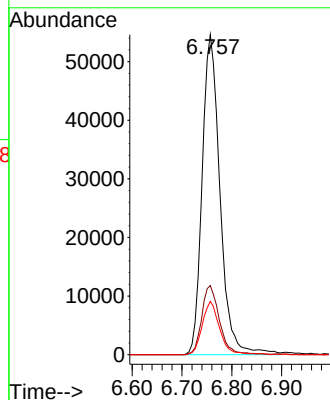
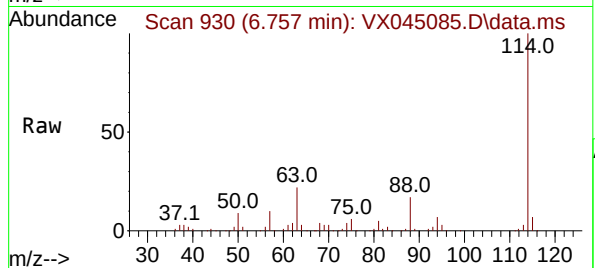
Tgt Ion:114 Resp: 136036

Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.8

88 16.6 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.444 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX045085.D

Acq: 28 Feb 2025 13:47

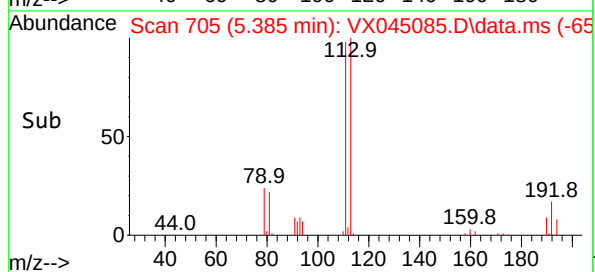
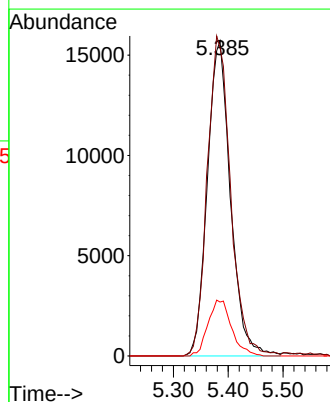
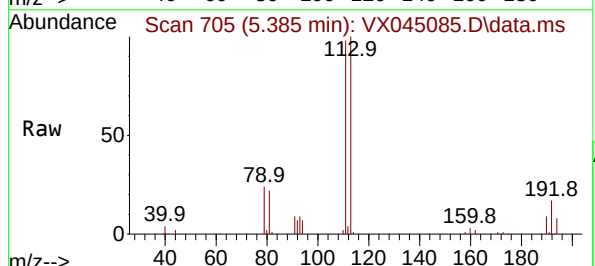
Tgt Ion:113 Resp: 45886

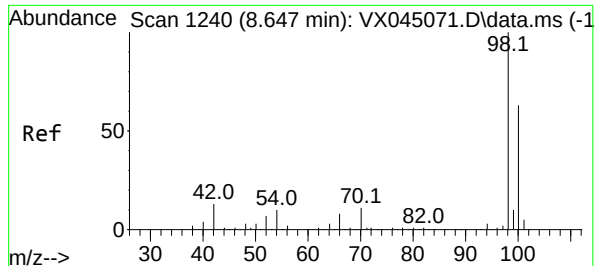
Ion Ratio Lower Upper

113 100

111 102.6 81.8 122.6

192 18.1 14.3 21.5





#50

Toluene-d8

Concen: 51.426 ug/l

RT: 8.647 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045085.D

Acq: 28 Feb 2025 13:47

Instrument :

MSVOA_X

ClientSampleId :

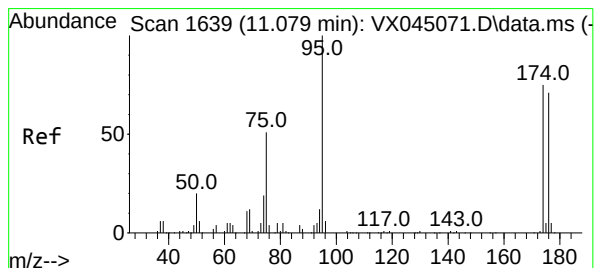
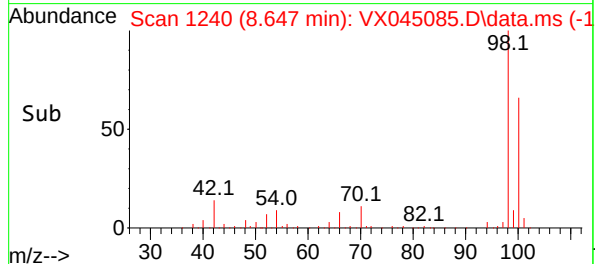
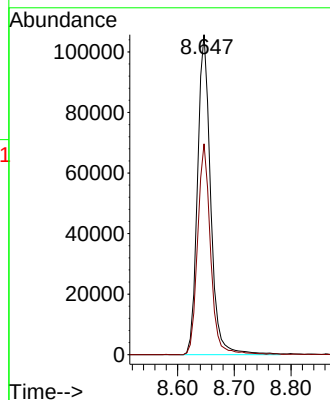
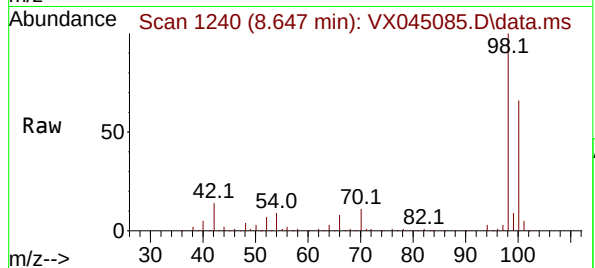
BP-VPB-192-EB-20250221

Tgt Ion: 98 Resp: 169589

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 52.246 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045085.D

Acq: 28 Feb 2025 13:47

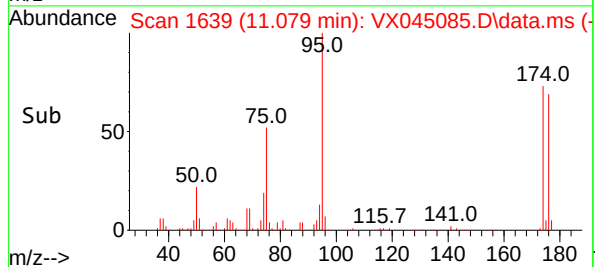
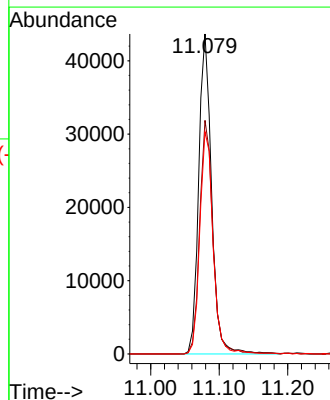
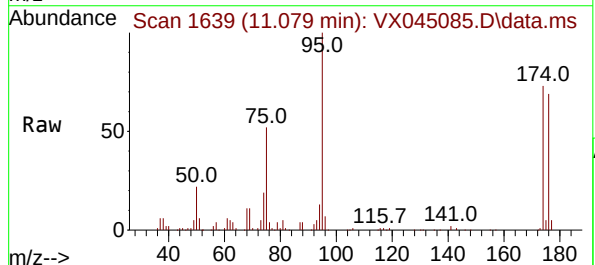
Tgt Ion: 95 Resp: 57093

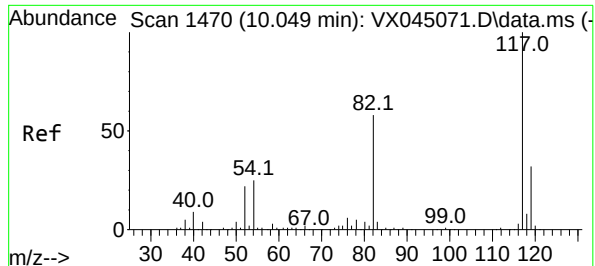
Ion Ratio Lower Upper

95 100

174 75.3 0.0 148.2

176 72.0 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: VX045085.D

Acq: 28 Feb 2025 13:47

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-EB-20250221

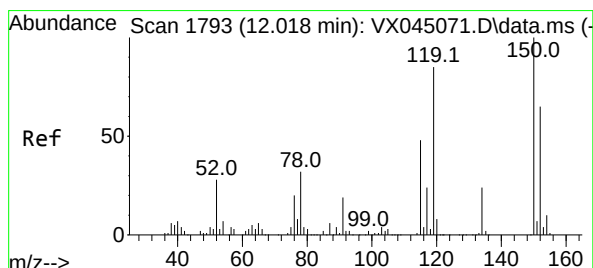
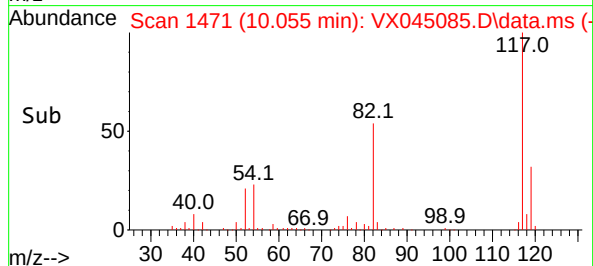
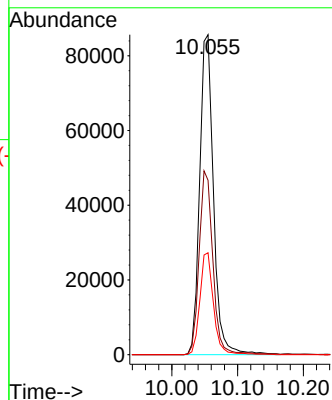
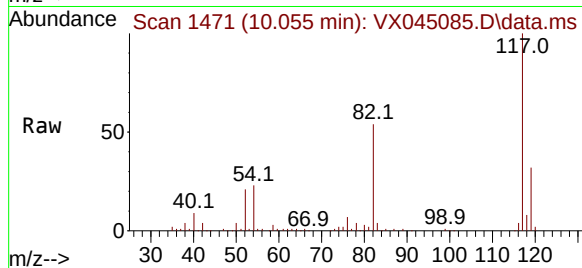
Tgt Ion:117 Resp: 125036

Ion Ratio Lower Upper

117 100

82 54.5 46.3 69.5

119 31.9 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: VX045085.D

Acq: 28 Feb 2025 13:47

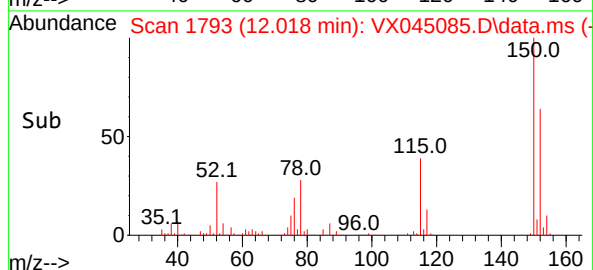
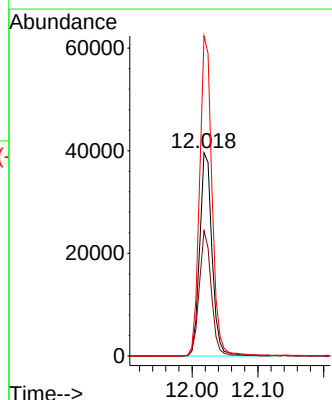
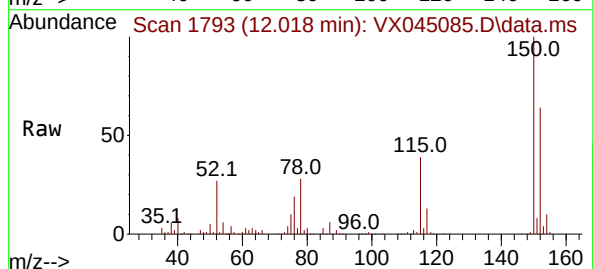
Tgt Ion:152 Resp: 51925

Ion Ratio Lower Upper

152 100

115 59.9 44.2 132.6

150 157.4 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045085.D
Acq On : 28 Feb 2025 13:47
Operator : JC/MD
Sample : Q1423-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-EB-20250221

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: VX045085.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.239	21	25	36	rBV	8811	16198	3.55%	0.688%
2	1.642	88	91	97	rVB2	7014	9312	2.04%	0.396%
3	2.386	208	213	224	rVB	6226	10478	2.29%	0.445%
4	5.385	693	705	720	rBV	52162	156167	34.20%	6.637%
5	5.544	720	731	744	rBV	73512	209133	45.80%	8.887%
6	5.952	789	798	814	rBV	59543	161231	35.31%	6.852%
7	6.757	922	930	949	rBV	132134	324098	70.98%	13.773%
8	8.647	1234	1240	1256	rBV	286270	456624	100.00%	19.405%
9	10.049	1465	1470	1481	rBV	271151	396091	86.74%	16.833%
10	11.079	1634	1639	1651	rBV	215434	281097	61.56%	11.946%
11	12.018	1788	1793	1804	rBV	260737	332698	72.86%	14.139%

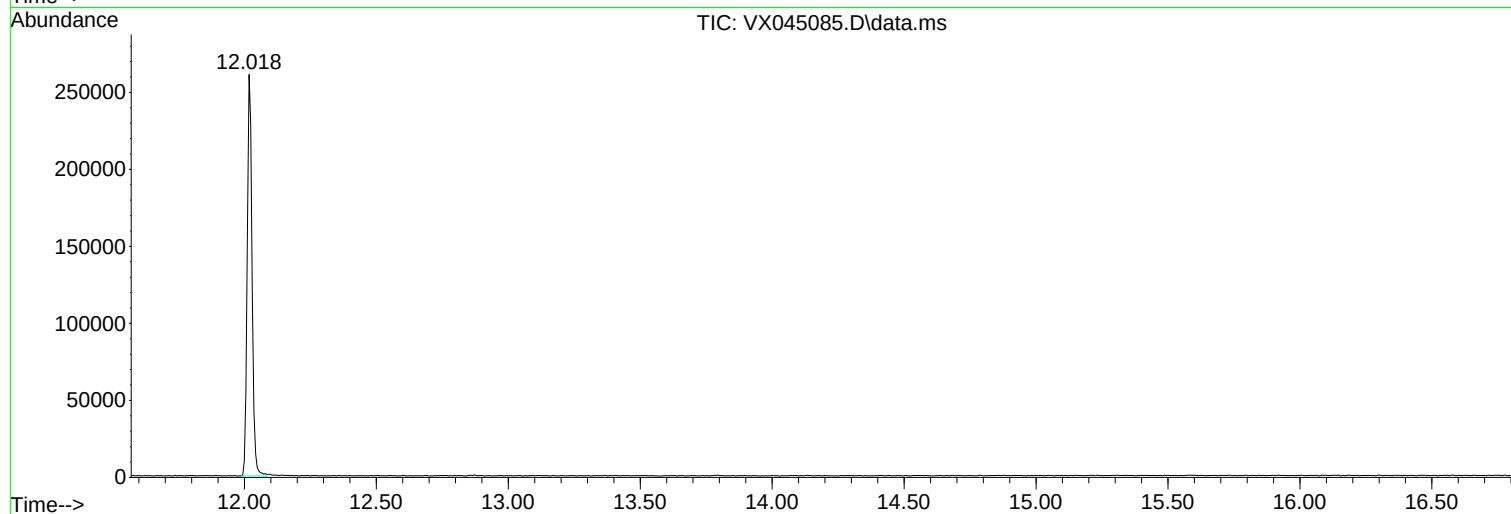
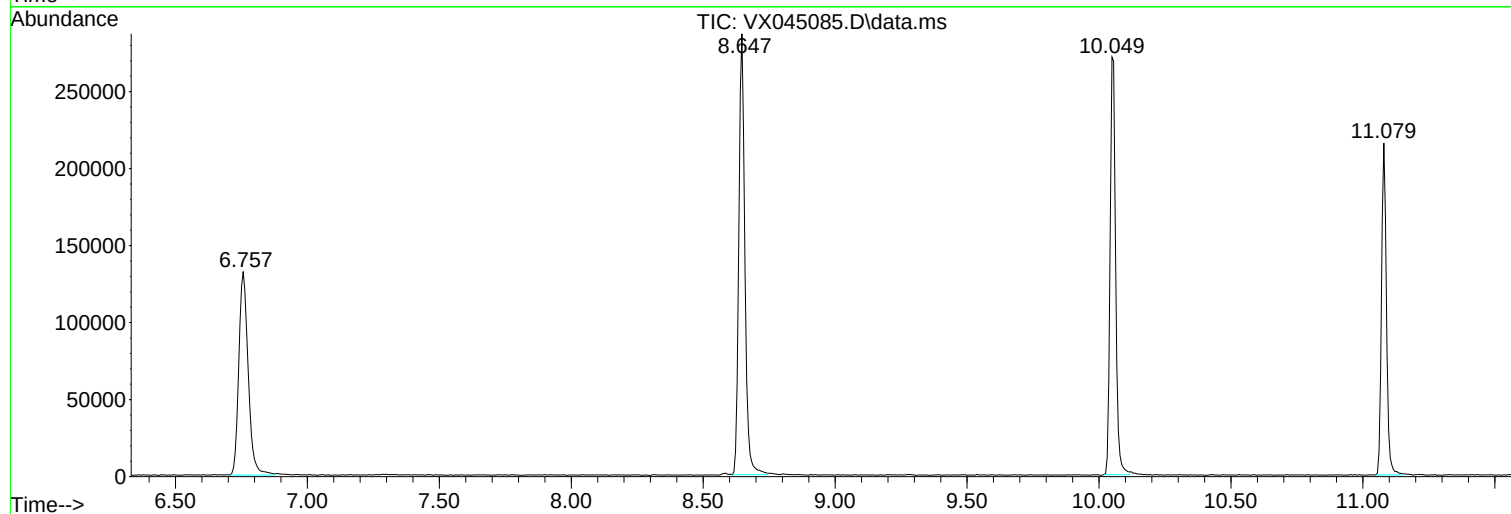
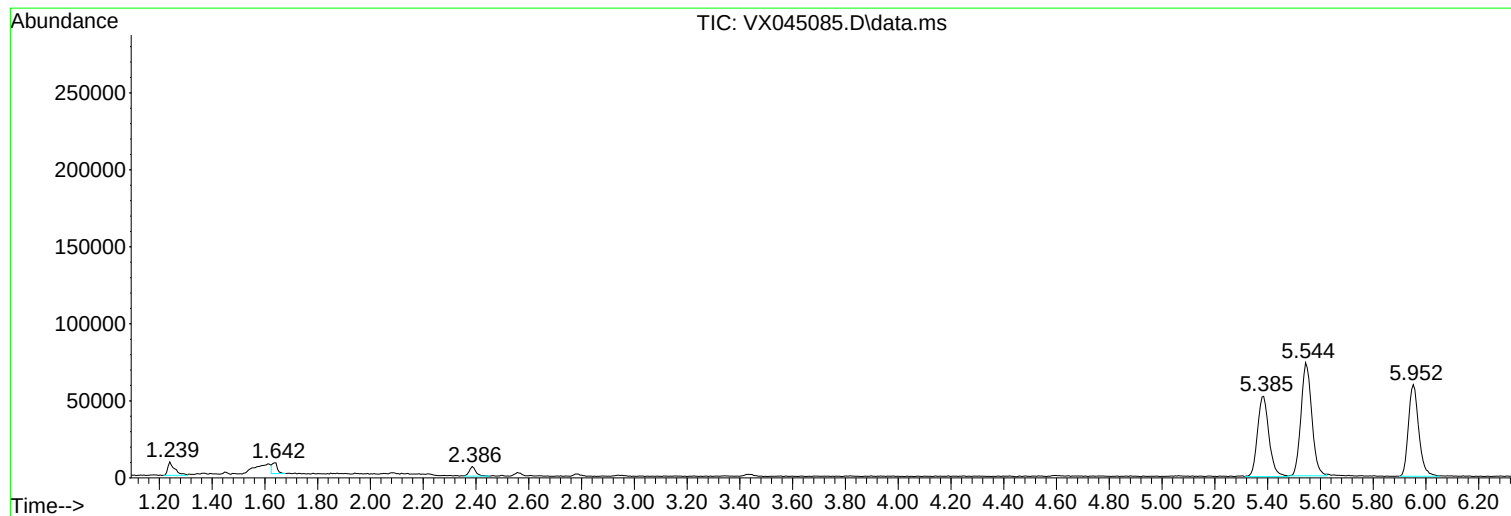
Sum of corrected areas: 2353127

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045085.D
Acq On : 28 Feb 2025 13:47
Operator : JC/MD
Sample : Q1423-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-EB-20250221

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\VX022825\
Data File : VX045085.D
Acq On : 28 Feb 2025 13:47
Operator : JC/MD
Sample : Q1423-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-EB-20250221

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\VX022825\
Data File : VX045085.D
Acq On : 28 Feb 2025 13:47
Operator : JC/MD
Sample : Q1423-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-EB-20250221

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:	Tetra Tech NUS, Inc.		Date Collected:	02/20/25	
Project:	CTO WE13		Date Received:	02/24/25	
Client Sample ID:	BP-VPB-192-GW-925-927		SDG No.:	Q1423	
Lab Sample ID:	Q1423-04		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045041.D	1		02/25/25 16:03	VX022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	2.20	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	02/20/25	
Project:	CTO WE13		Date Received:	02/24/25	
Client Sample ID:	BP-VPB-192-GW-925-927		SDG No.:	Q1423	
Lab Sample ID:	Q1423-04		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045041.D	1		02/25/25 16:03	VX022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.4		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	50.1		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	78000	5.544				
540-36-3	1,4-Difluorobenzene	157000	6.757				
3114-55-4	Chlorobenzene-d5	140000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	56400	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	02/20/25
Project:	CTO WE13	Date Received:	02/24/25
Client Sample ID:	BP-VPB-192-GW-925-927	SDG No.:	Q1423
Lab Sample ID:	Q1423-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045041.D	1		02/25/25 16:03	VX022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX022525\
Data File : VX045041.D
Acq On : 25 Feb 2025 16:03
Operator : JC/MD
Sample : Q1423-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-925-927

Quant Time: Feb 26 03:18:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

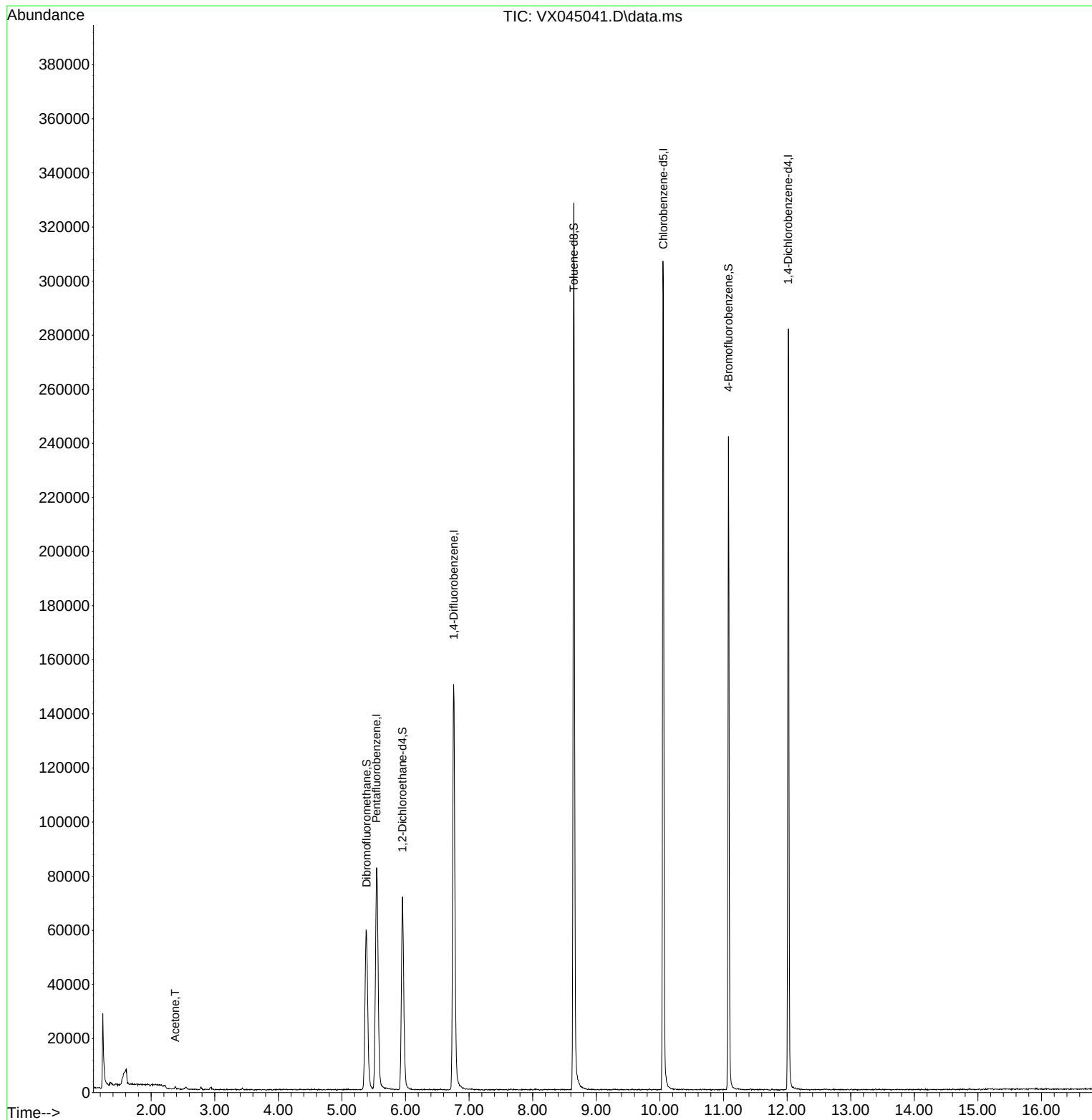
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	78013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	157287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	140409	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	56448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64372	56.369	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.740%	
35) Dibromofluoromethane	5.385	113	52884	51.714	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.420%	
50) Toluene-d8	8.647	98	193881	50.138	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.280%	
62) 4-Bromofluorobenzene	11.079	95	63747	48.899	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 97.800%	
Target Compounds						Qvalue
16) Acetone	2.380	43	1000	2.178	ug/l	94

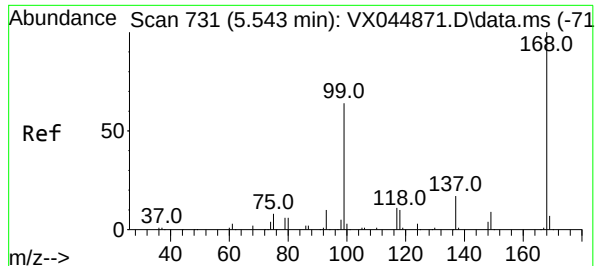
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045041.D
Acq On : 25 Feb 2025 16:03
Operator : JC/MD
Sample : Q1423-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-925-927

Quant Time: Feb 26 03:18:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

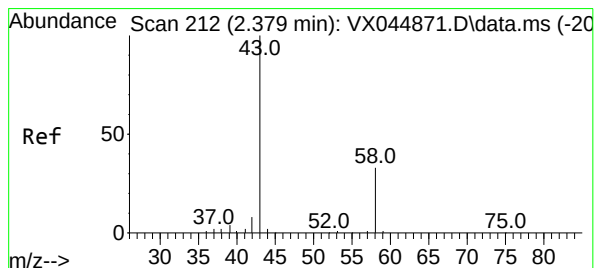
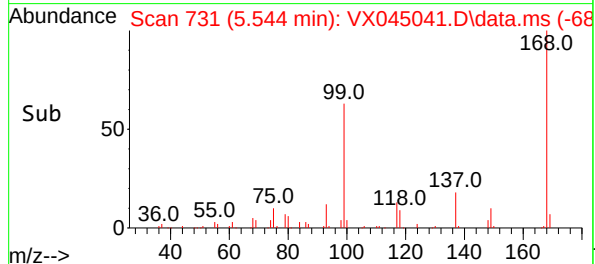
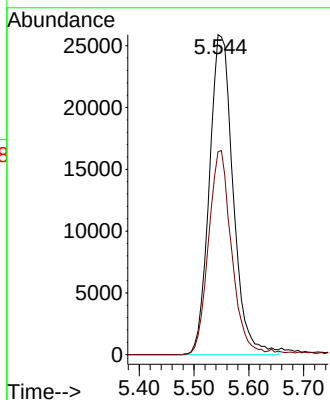
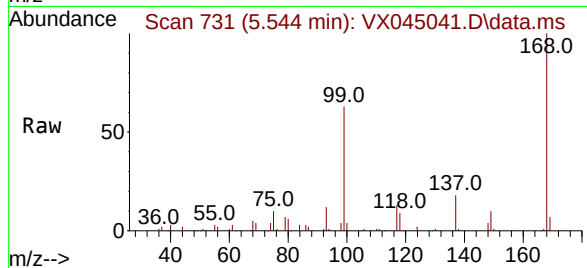




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX045041.D
Acq: 25 Feb 2025 16:03

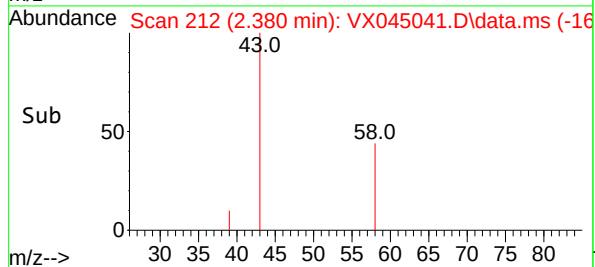
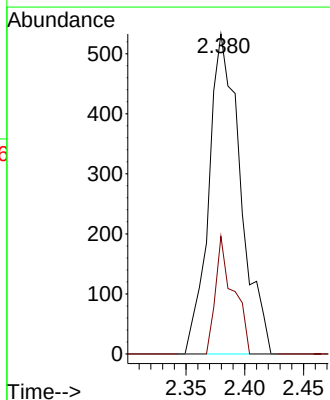
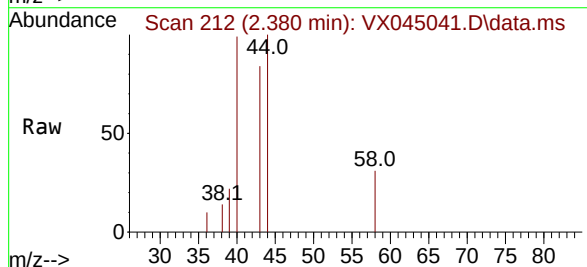
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-925-927

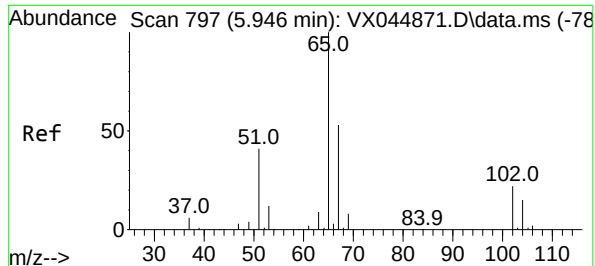
Tgt Ion:168 Resp: 78013
Ion Ratio Lower Upper
168 100
99 63.4 51.2 76.8



#16
Acetone
Concen: 2.178 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX045041.D
Acq: 25 Feb 2025 16:03

Tgt Ion: 43 Resp: 1000
Ion Ratio Lower Upper
43 100
58 36.8 26.5 39.7





#33

1,2-Dichloroethane-d4

Concen: 56.369 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX045041.D

Acq: 25 Feb 2025 16:03

Instrument :

MSVOA_X

ClientSampleId :

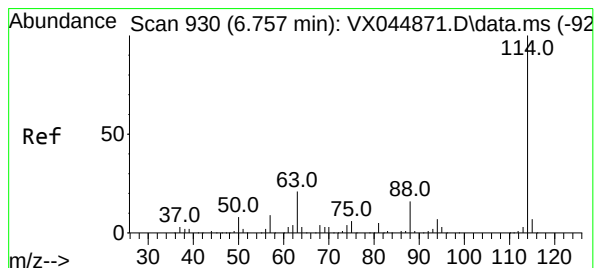
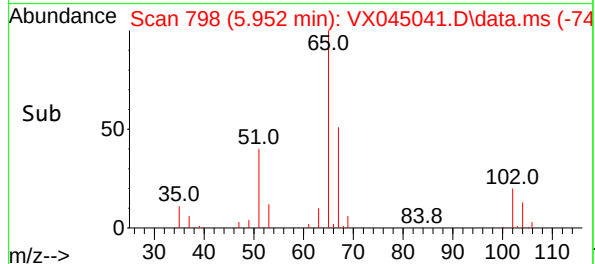
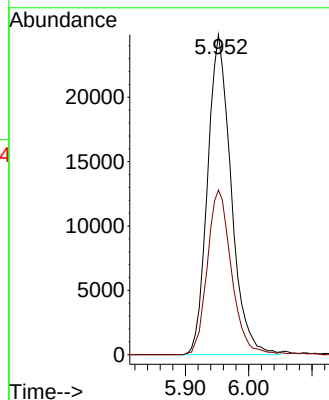
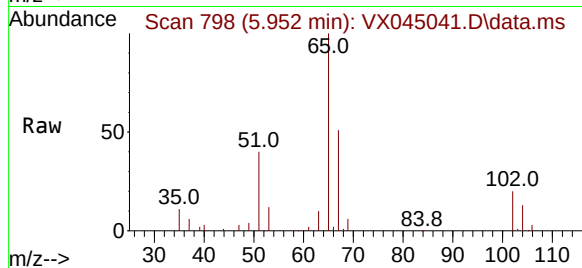
BP-VPB-192-GW-925-927

Tgt Ion: 65 Resp: 64372

Ion Ratio Lower Upper

65 100

67 52.8 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045041.D

Acq: 25 Feb 2025 16:03

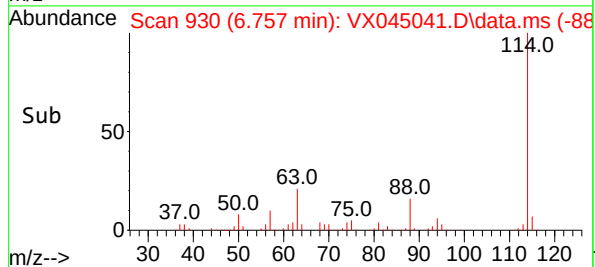
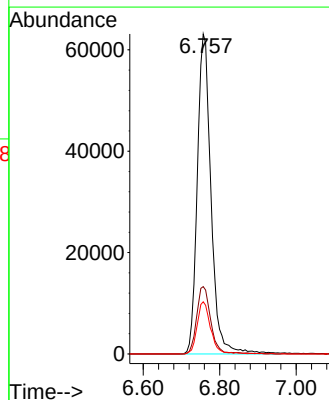
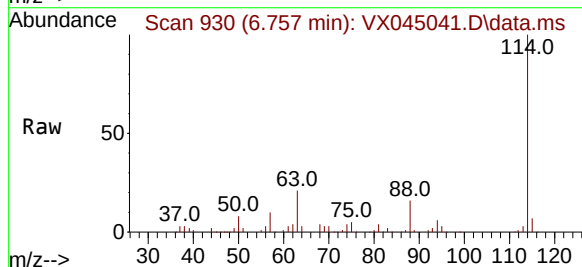
Tgt Ion: 114 Resp: 157287

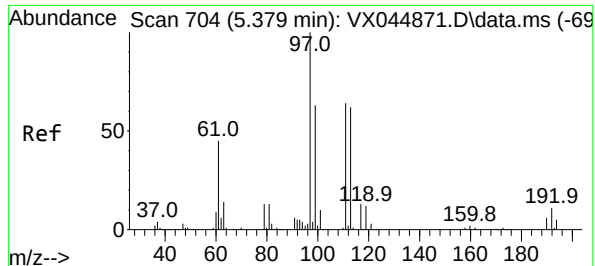
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.4

88 16.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.714 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX045041.D

Acq: 25 Feb 2025 16:03

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-GW-925-927

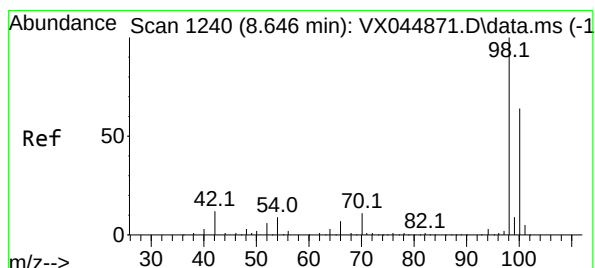
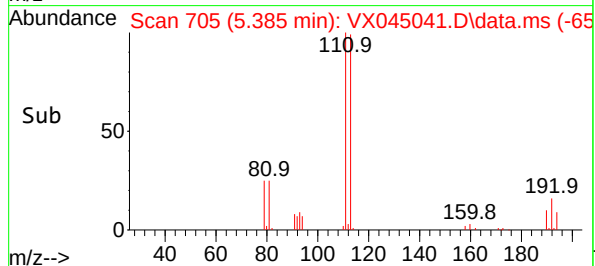
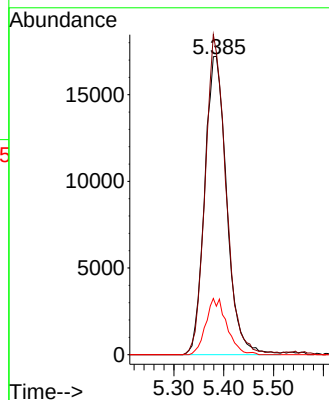
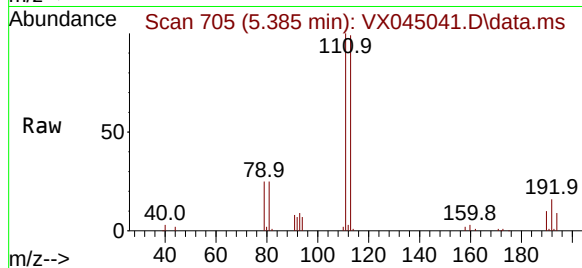
Tgt Ion:113 Resp: 52884

Ion Ratio Lower Upper

113 100

111 100.7 83.5 125.3

192 18.0 14.4 21.6



#50

Toluene-d8

Concen: 50.138 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX045041.D

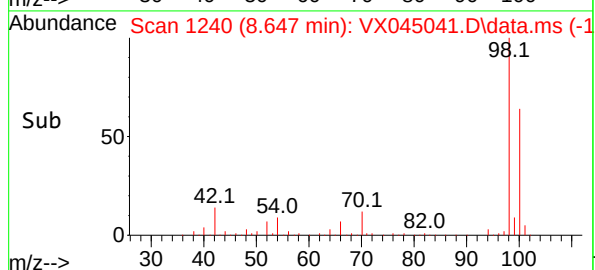
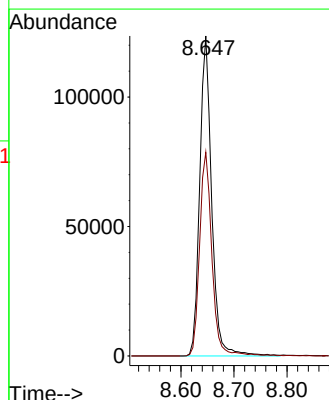
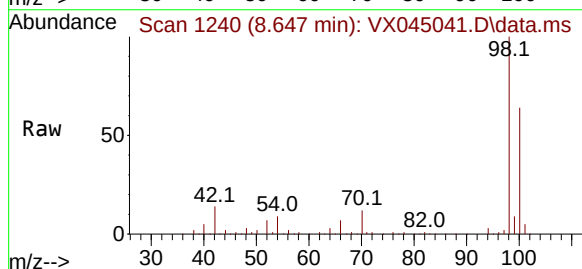
Acq: 25 Feb 2025 16:03

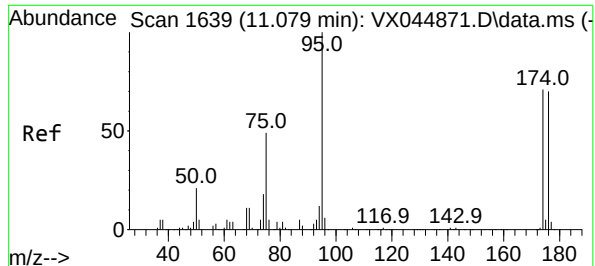
Tgt Ion: 98 Resp: 193881

Ion Ratio Lower Upper

98 100

100 65.3 52.7 79.1





#62

4-Bromofluorobenzene

Concen: 48.899 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045041.D

Acq: 25 Feb 2025 16:03

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-GW-925-927

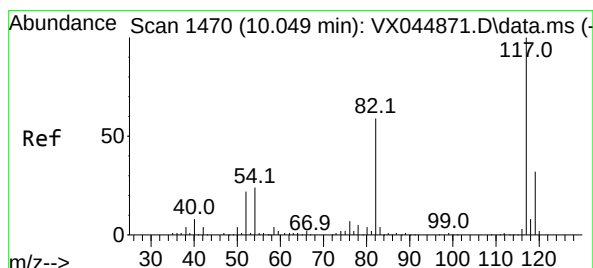
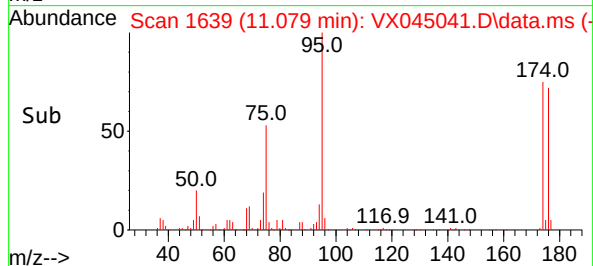
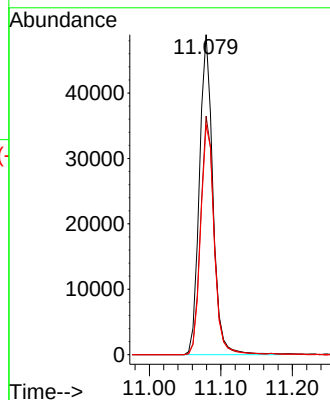
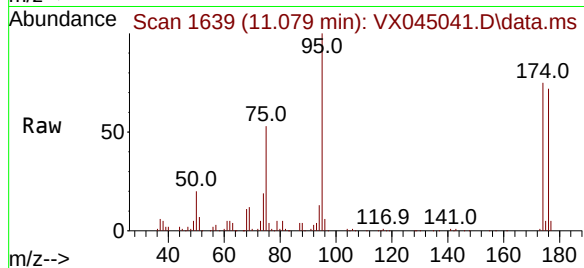
Tgt Ion: 95 Resp: 63747

Ion Ratio Lower Upper

95 100

174 75.2 0.0 142.6

176 72.6 0.0 141.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX045041.D

Acq: 25 Feb 2025 16:03

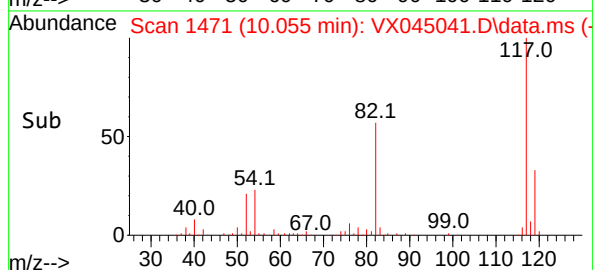
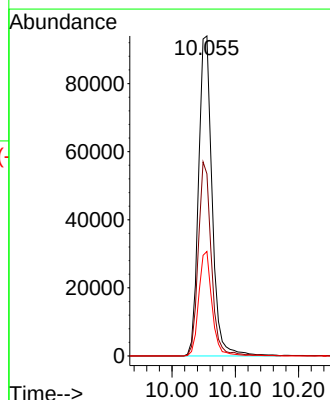
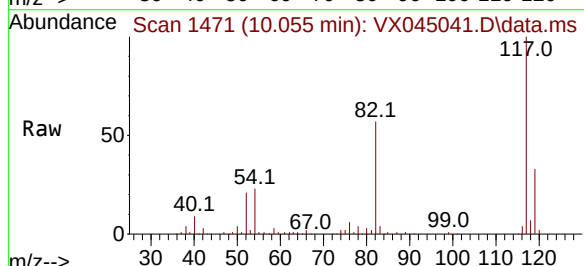
Tgt Ion: 117 Resp: 140409

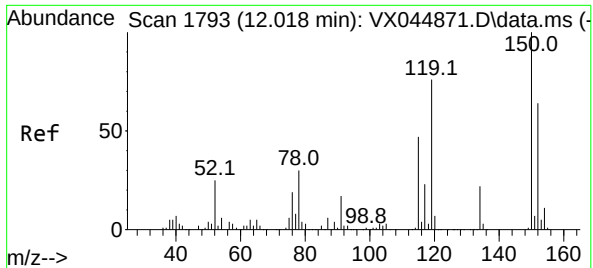
Ion Ratio Lower Upper

117 100

82 56.9 47.5 71.3

119 32.6 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX045041.D

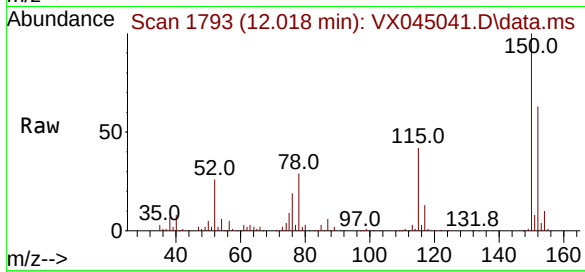
Acq: 25 Feb 2025 16:03

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-192-GW-925-927



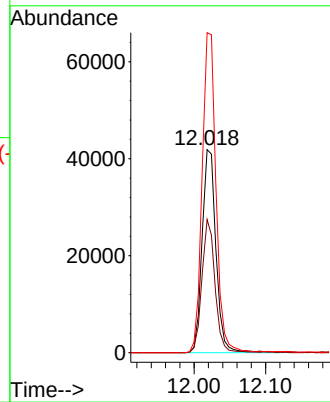
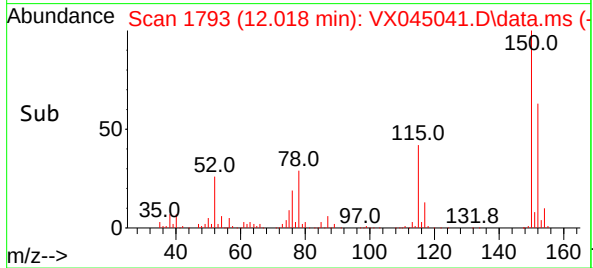
Tgt Ion:152 Resp: 56448

Ion Ratio Lower Upper

152 100

115 61.9 43.4 130.1

150 157.1 0.0 350.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045041.D
Acq On : 25 Feb 2025 16:03
Operator : JC/MD
Sample : Q1423-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-925-927

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\82X021025W.M

Title : SW846 8260

Signal : TIC: VX045041.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	36	rBV	27566	42004	8.09%	1.573%
2	1.599	72	84	85	rBV6	5199	16075	3.10%	0.602%
3	5.379	690	704	721	rBV	59179	178127	34.32%	6.672%
4	5.544	721	731	745	rBV	81733	238514	45.95%	8.934%
5	5.952	788	798	818	rBV	71382	184324	35.51%	6.904%
6	6.757	916	930	945	rBV	149957	369964	71.28%	13.858%
7	8.647	1233	1240	1251	rBV	327902	519051	100.00%	19.442%
8	10.049	1465	1470	1483	rBV	306360	446846	86.09%	16.738%
9	11.079	1634	1639	1650	rBV	241468	313435	60.39%	11.740%
10	12.018	1788	1793	1804	rBV	281250	361379	69.62%	13.536%

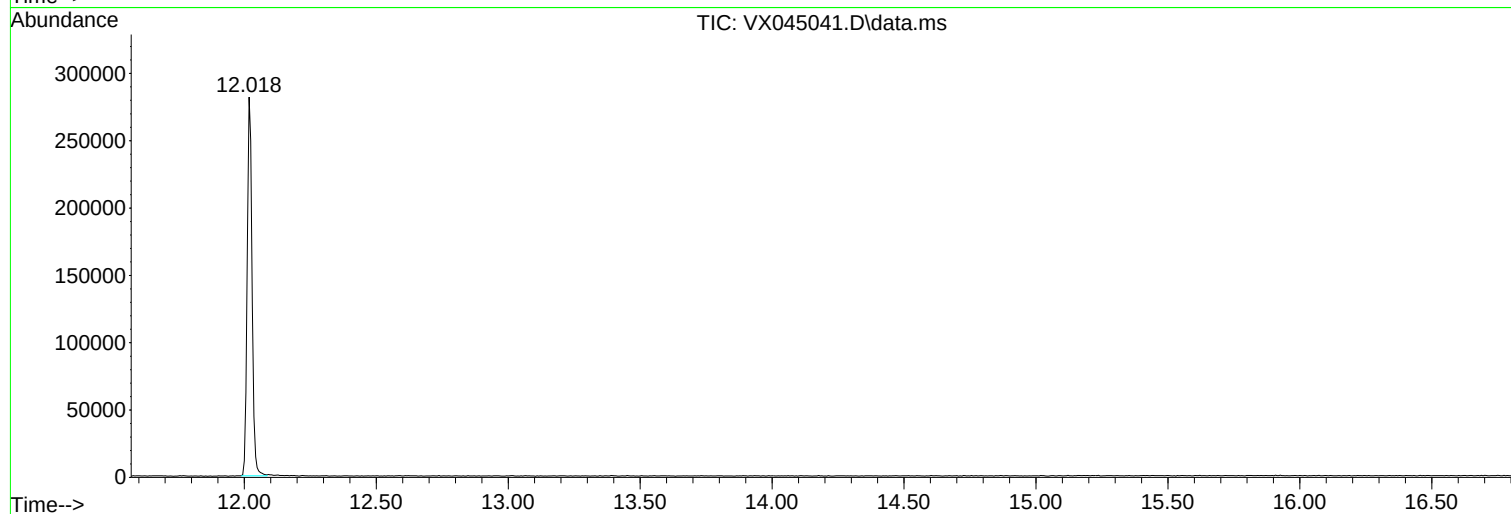
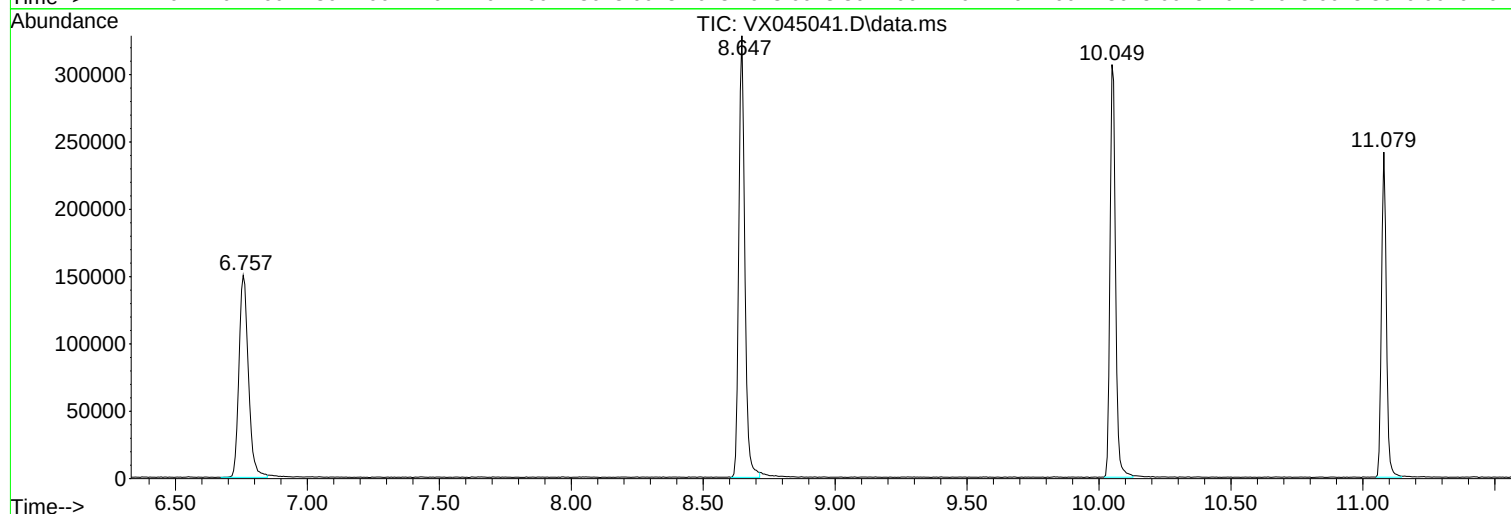
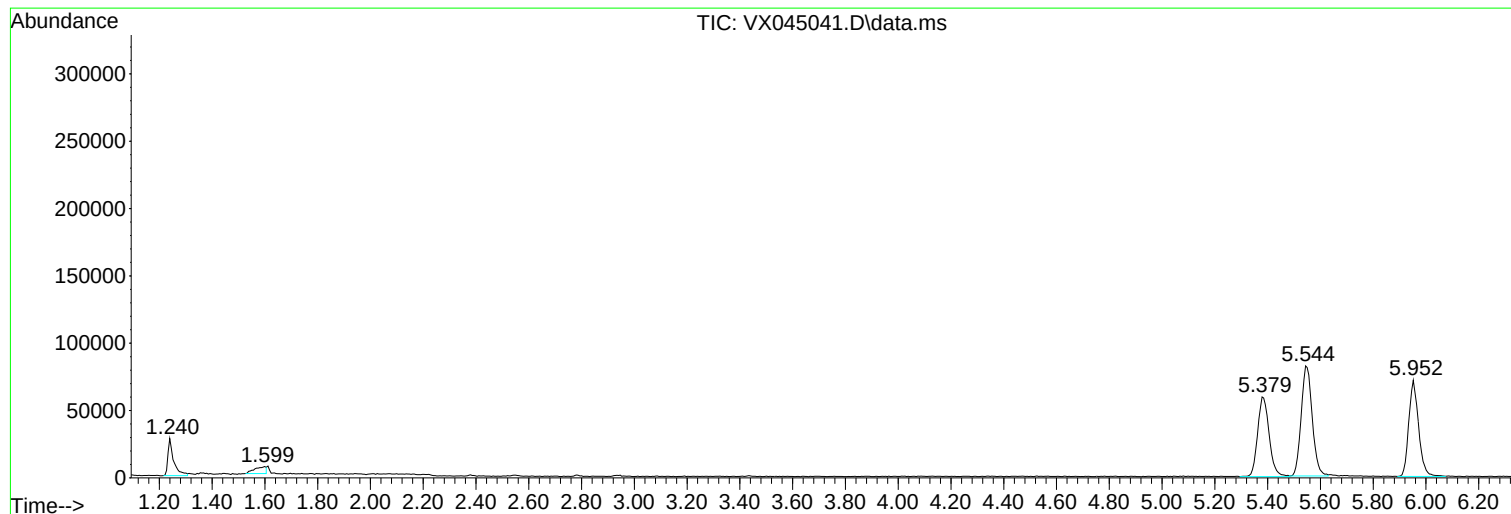
Sum of corrected areas: 2669719

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045041.D
Acq On : 25 Feb 2025 16:03
Operator : JC/MD
Sample : Q1423-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-925-927

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045041.D
Acq On : 25 Feb 2025 16:03
Operator : JC/MD
Sample : Q1423-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-925-927

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.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\VX022525\
Data File : VX045041.D
Acq On : 25 Feb 2025 16:03
Operator : JC/MD
Sample : Q1423-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-192-GW-925-927

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06
 Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG No.: Q1423
 Instrument ID: MSVOA_X Calibration Date(s): 02/10/2025 02/10/2025
 Heated Purge: (Y/N) N Calibration Time(s): 10:25 12:28
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:	RRF001 = VX044868.D			RRF005 = VX044869.D			RRF020 = VX044870.D		
	RRF050 = VX044871.D			RRF100 = VX044872.D			RRF150 = VX044873.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Chloromethane	0.958	0.860	0.862	0.843	0.805	0.793	0.854	6.9	
Vinyl Chloride	0.839	0.846	0.847	0.808	0.807	0.814	0.827	2.3	
Bromomethane		0.248	0.252	0.249	0.242	0.246	0.247	1.4	
Chloroethane	0.500	0.288	0.280	0.341	0.249	0.181	0.307	35.4	
Trichlorofluoromethane	1.062	1.066	1.096	1.029	1.013	1.008	1.046	3.3	
1,1,2-Trichlorotrifluoroethane	0.583	0.647	0.668	0.626	0.631	0.637	0.632	4.5	
1,1-Dichloroethene	0.647	0.639	0.661	0.630	0.632	0.657	0.644	2	
Acetone	0.305	0.292	0.298	0.293	0.285	0.292	0.294	2.3	
Carbon Disulfide	1.689	1.732	1.786	1.762	1.789	1.846	1.767	3	
Methyl tert-butyl Ether	1.941	2.065	2.130	2.046	2.011	2.110	2.050	3.4	
Methylene Chloride	0.747	0.717	0.741	0.704	0.695	0.720	0.721	2.8	
trans-1,2-Dichloroethene	0.608	0.622	0.657	0.640	0.633	0.644	0.634	2.7	
1,1-Dichloroethane	1.155	1.257	1.292	1.227	1.209	1.257	1.233	3.9	
2-Butanone	0.422	0.472	0.504	0.506	0.477	0.487	0.478	6.4	
Carbon Tetrachloride	0.457	0.466	0.478	0.453	0.445	0.459	0.460	2.4	
cis-1,2-Dichloroethene	0.680	0.783	0.812	0.758	0.758	0.779	0.762	5.9	
Chloroform	1.167	1.209	1.268	1.169	1.153	1.208	1.196	3.5	
1,1,1-Trichloroethane	1.014	1.003	1.051	1.005	0.984	1.028	1.014	2.3	
Methylcyclohexane	0.509	0.571	0.667	0.622	0.634	0.635	0.606	9.4	
Benzene	1.370	1.488	1.577	1.470	1.429	1.453	1.465	4.7	
1,2-Dichloroethane	0.417	0.465	0.502	0.472	0.462	0.482	0.467	6.1	
Trichloroethene	0.293	0.340	0.367	0.335	0.332	0.343	0.335	7.2	
1,2-Dichloropropane	0.343	0.354	0.389	0.367	0.360	0.372	0.364	4.3	
Bromodichloromethane	0.428	0.481	0.514	0.500	0.500	0.513	0.489	6.6	
4-Methyl-2-Pentanone	0.439	0.514	0.562	0.554	0.506	0.498	0.512	8.6	
Toluene	0.776	0.872	0.957	0.898	0.866	0.864	0.872	6.7	
t-1,3-Dichloropropene	0.417	0.451	0.518	0.514	0.528	0.543	0.495	10	
cis-1,3-Dichloropropene	0.452	0.511	0.587	0.577	0.587	0.599	0.552	10.5	
1,1,2-Trichloroethane	0.307	0.342	0.362	0.341	0.331	0.329	0.335	5.4	
2-Hexanone	0.313	0.360	0.406	0.404	0.369	0.362	0.369	9.3	

* 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: TETR06
 Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG No.: Q1423
 Instrument ID: MSVOA_X Calibration Date(s): 02/10/2025 02/10/2025
 Heated Purge: (Y/N) N Calibration Time(s): 10:25 12:28
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX044868.D		RRF005 = VX044869.D		RRF020 = VX044870.D			
		RRF050 = VX044871.D		RRF100 = VX044872.D		RRF150 = VX044873.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dibromochloromethane	0.317	0.342	0.381	0.373	0.368	0.370	0.359	6.7	
Tetrachloroethene	0.306	0.311	0.343	0.310	0.307	0.314	0.315	4.4	
Chlorobenzene	0.969	1.093	1.140	1.096	1.071	1.076	1.074	5.3	
Ethyl Benzene	1.690	1.873	2.021	1.935	1.923	1.929	1.895	5.9	
m/p-Xylenes	0.616	0.700	0.754	0.724	0.706	0.694	0.699	6.6	
o-Xylene	0.661	0.721	0.747	0.707	0.691	0.681	0.701	4.4	
Styrene	0.909	1.124	1.249	1.199	1.161	1.139	1.130	10.4	
Bromoform	0.186	0.247	0.272	0.280	0.276	0.287	0.258	14.7	
Isopropylbenzene	3.735	4.012	4.347	4.045	3.940	4.076	4.026	4.9	
1,1,2,2-Tetrachloroethane	1.429	1.403	1.438	1.366	1.305	1.360	1.383	3.6	
1,3-Dichlorobenzene	1.616	1.669	1.741	1.679	1.663	1.703	1.678	2.5	
1,4-Dichlorobenzene	1.662	1.712	1.762	1.686	1.660	1.701	1.697	2.2	
1,2-Dichlorobenzene	1.512	1.713	1.763	1.666	1.604	1.639	1.650	5.3	
1,2-Dichloroethane-d4		0.764	0.718	0.723	0.707	0.747	0.732	3.2	
Dibromofluoromethane		0.335	0.322	0.320	0.320	0.328	0.325	2	
Toluene-d8		1.239	1.249	1.239	1.208	1.212	1.229	1.5	
4-Bromofluorobenzene		0.404	0.410	0.431	0.415	0.412	0.414	2.5	

* 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 : 82X021025W.M
 Title : SW846 8260
 Last Update : Tue Feb 11 03:41:08 2025
 Response Via : Initial Calibration

Calibration Files

1 =VX044868.D 5 =VX044869.D 20 =VX044870.D 50 =VX044871.D 100 =VX044872.D 150 =VX044873.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.723	0.669	0.716	0.700	0.706	0.693	0.701	2.71
3) P	Chloromethane	0.958	0.860	0.862	0.843	0.805	0.793	0.854	6.89
4) C	Vinyl Chloride	0.839	0.846	0.847	0.808	0.807	0.814	0.827	2.33#
5) T	Bromomethane		0.248	0.252	0.249	0.242	0.246	0.247	1.44
6) T	Chloroethane	0.500	0.288	0.280	0.341	0.249	0.181	0.307	35.36
7) T	Trichlorofluor...	1.062	1.066	1.096	1.029	1.013	1.008	1.046	3.32
8) T	Diethyl Ether	0.385	0.372	0.399	0.375	0.370	0.374	0.379	2.94
9) T	1,1,2-Trichlor...	0.583	0.647	0.668	0.626	0.631	0.637	0.632	4.45
10) T	Methyl Iodide		0.752	0.864	0.847	0.819	0.813	0.819	5.22
11) T	Tert butyl alc...		0.148	0.138	0.136	0.128	0.129	0.136	5.92
12) CM	1,1-Dichloroet...	0.647	0.639	0.661	0.630	0.632	0.657	0.644	2.04#
13) T	Acrolein		0.143	0.131	0.141	0.139	0.145	0.140	3.99
14) T	Allyl chloride	1.179	1.150	1.187	1.157	1.149	1.167	1.165	1.36
15) T	Acrylonitrile	0.337	0.354	0.380	0.379	0.360	0.364	0.363	4.41
16) T	Acetone	0.305	0.292	0.298	0.293	0.285	0.292	0.294	2.26
17) T	Carbon Disulfide	1.689	1.732	1.786	1.762	1.789	1.846	1.767	3.04
18) T	Methyl Acetate	0.882	0.901	0.926	0.946	0.922	0.995	0.928	4.22
19) T	Methyl tert-bu...	1.941	2.065	2.130	2.046	2.011	2.110	2.050	3.36
20) T	Methylene Chlo...	0.747	0.717	0.741	0.704	0.695	0.720	0.721	2.82
21) T	trans-1,2-Dich...	0.608	0.622	0.657	0.640	0.633	0.644	0.634	2.74
22) T	Diisopropyl ether	2.049	2.187	2.322	2.245	2.185	2.233	2.203	4.12
23) T	Vinyl Acetate	1.540	1.750	1.892	1.860	1.843	1.892	1.796	7.56
24) P	1,1-Dichloroet...	1.155	1.257	1.292	1.227	1.209	1.257	1.233	3.86
25) T	2-Butanone	0.422	0.472	0.504	0.506	0.477	0.487	0.478	6.40
26) T	2,2-Dichloropr...	0.957	0.982	1.000	0.952	0.959	1.017	0.978	2.71
27) T	cis-1,2-Dichlo...	0.680	0.783	0.812	0.758	0.758	0.779	0.762	5.87
28) T	Bromochloromet...	0.634	0.579	0.607	0.584	0.572	0.579	0.593	4.04
29) T	Tetrahydrofuran	0.299	0.310	0.335	0.329	0.313	0.317	0.317	4.13
30) C	Chloroform	1.167	1.209	1.268	1.169	1.153	1.208	1.196	3.53#
31) T	Cyclohexane		1.154	1.174	1.121	1.107	1.127	1.137	2.35
32) T	1,1,1-Trichlor...	1.014	1.003	1.051	1.005	0.984	1.028	1.014	2.26
33) S	1,2-Dichloroet...		0.764	0.718	0.723	0.707	0.747	0.732	3.17
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.335	0.322	0.320	0.320	0.328	0.325	1.98
36) T	1,1-Dichloropr...	0.472	0.467	0.490	0.463	0.457	0.465	0.469	2.47
37) T	Ethyl Acetate	0.477	0.534	0.546	0.527	0.516	0.528	0.522	4.57
38) T	Carbon Tetrach...	0.457	0.466	0.478	0.453	0.445	0.459	0.460	2.44
39) T	Methylcyclohexane	0.509	0.571	0.667	0.622	0.634	0.635	0.606	9.36
40) TM	Benzene	1.370	1.488	1.577	1.470	1.429	1.453	1.465	4.69
41) T	Methacrylonitrile	0.237	0.262	0.292	0.302	0.287	0.295	0.279	8.84
42) TM	1,2-Dichloroet...	0.417	0.465	0.502	0.472	0.462	0.482	0.467	6.08
43) T	Isopropyl Acetate	0.755	0.782	0.899	0.876	0.858	0.885	0.842	7.05
44) TM	Trichloroethene	0.293	0.340	0.367	0.335	0.332	0.343	0.335	7.20
45) C	1,2-Dichloropr...	0.343	0.354	0.389	0.367	0.360	0.372	0.364	4.32#
46) T	Dibromomethane	0.236	0.245	0.270	0.255	0.252	0.258	0.253	4.48
47) T	Bromodichlorom...	0.428	0.481	0.514	0.500	0.500	0.513	0.489	6.60
48) T	Methyl methacr...	0.330	0.367	0.424	0.421	0.414	0.427	0.397	10.05
49) T	1,4-Dioxane	0.009	0.009	0.009	0.009	0.008	0.008	0.009	6.54
50) S	Toluene-d8		1.239	1.249	1.239	1.208	1.212	1.229	1.49
51) T	4-Methyl-2-Pen...	0.439	0.514	0.562	0.554	0.506	0.498	0.512	8.61
52) CM	Toluene	0.776	0.872	0.957	0.898	0.866	0.864	0.872	6.74#
53) T	t-1,3-Dichloro...	0.417	0.451	0.518	0.514	0.528	0.543	0.495	10.04
54) T	cis-1,3-Dichlo...	0.452	0.511	0.587	0.577	0.587	0.599	0.552	10.49
55) T	1,1,2-Trichlor...	0.307	0.342	0.362	0.341	0.331	0.329	0.335	5.44
56) T	Ethyl methacry...	0.462	0.488	0.583	0.577	0.568	0.571	0.542	9.74

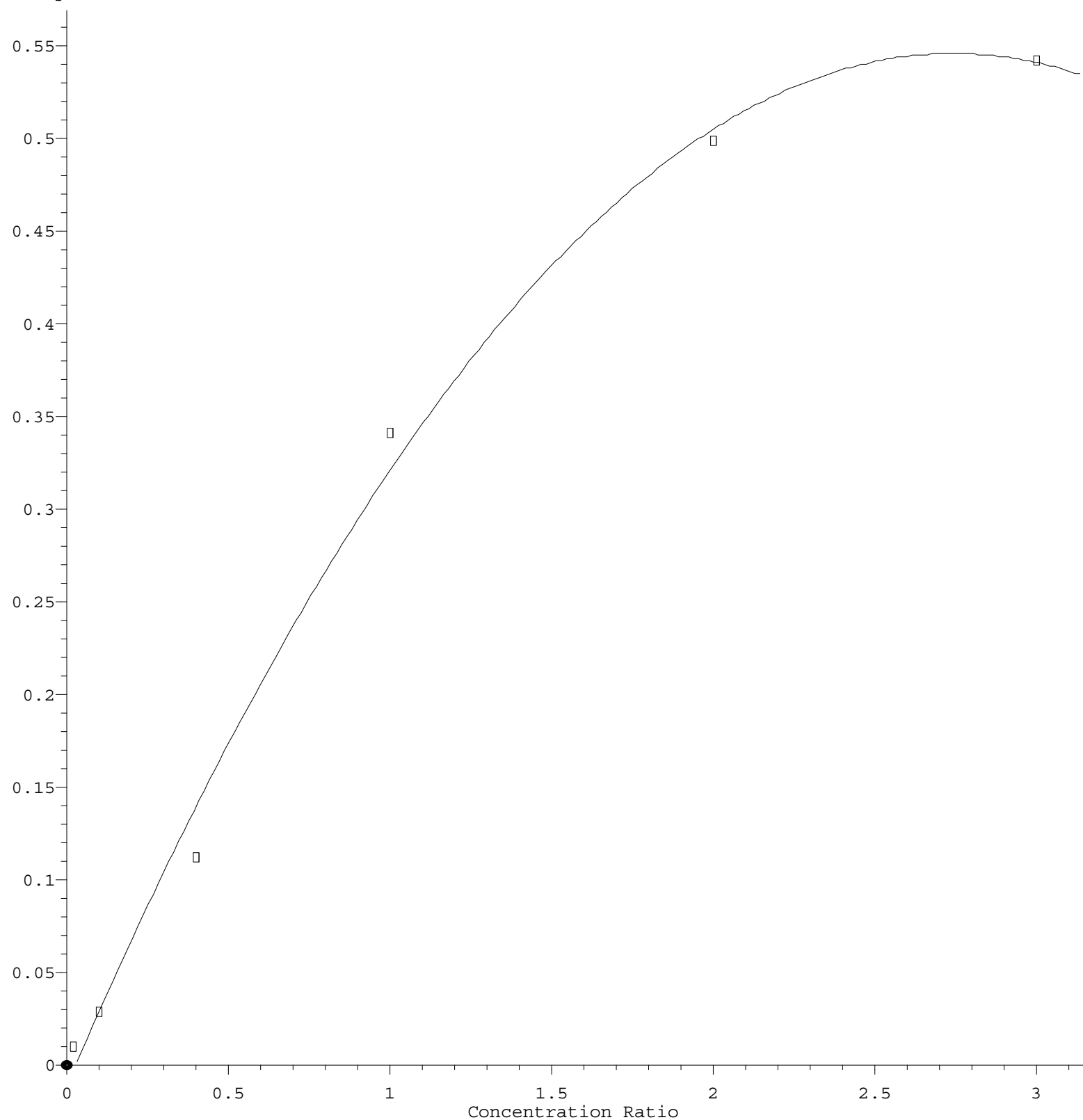
Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X021025W.M

57)	T	1,3-Dichloropr...	0.531	0.586	0.641	0.605	0.579	0.578	0.587	6.13
58)	T	2-Chloroethyl ...	0.213	0.249	0.284	0.288	0.281	0.281	0.266	11.18
59)	T	2-Hexanone	0.313	0.360	0.406	0.404	0.369	0.362	0.369	9.31
60)	T	Dibromochlorom...	0.317	0.342	0.381	0.373	0.368	0.370	0.359	6.71
61)	T	1,2-Dibromoethane	0.302	0.330	0.367	0.350	0.345	0.345	0.340	6.55
62)	S	4-Bromofluorob...	0.404	0.410	0.431	0.415	0.412	0.414		2.47
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.306	0.311	0.343	0.310	0.307	0.314	0.315	4.43
65)	PM	Chlorobenzene	0.969	1.093	1.140	1.096	1.071	1.076	1.074	5.32
66)	T	1,1,1,2-Tetrac...	0.302	0.338	0.365	0.354	0.355	0.360	0.346	6.76
67)	C	Ethyl Benzene	1.690	1.873	2.021	1.935	1.923	1.929	1.895	5.87#
68)	T	m/p-Xylenes	0.616	0.700	0.754	0.724	0.706	0.694	0.699	6.58
69)	T	o-Xylene	0.661	0.721	0.747	0.707	0.691	0.681	0.701	4.36
70)	T	Styrene	0.909	1.124	1.249	1.199	1.161	1.139	1.130	10.38
71)	P	Bromoform	0.186	0.247	0.272	0.280	0.276	0.287	0.258	14.69
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.735	4.012	4.347	4.045	3.940	4.076	4.026	4.95
74)	T	N-amyl acetate	1.431	1.744	1.915	1.902	1.889	2.051	1.822	11.80
75)	P	1,1,2,2-Tetrac...	1.429	1.403	1.438	1.366	1.305	1.360	1.383	3.61
76)	T	1,2,3-Trichlor...	1.046	1.153	1.141	1.106	1.085	1.120	1.109	3.53
77)	T	Bromobenzene	0.847	0.920	0.978	0.911	0.897	0.923	0.913	4.65
78)	T	n-propylbenzene	4.049	4.600	4.974	4.723	4.699	4.837	4.647	6.88
79)	T	2-Chlorotoluene	2.859	2.860	3.034	2.842	2.720	2.820	2.856	3.56
80)	T	1,3,5-Trimethy...	2.981	3.326	3.543	3.319	3.201	3.233	3.267	5.64
81)	T	trans-1,4-Dich...	0.346	0.417	0.437	0.457	0.498	0.431		13.01
82)	T	4-Chlorotoluene	2.958	3.156	3.320	3.193	3.116	3.214	3.160	3.81
83)	T	tert-Butylbenzene	3.097	3.350	3.539	3.312	3.236	3.296	3.305	4.38
84)	T	1,2,4-Trimethy...	2.687	3.252	3.535	3.359	3.220	3.295	3.225	8.87
85)	T	sec-Butylbenzene	3.692	4.025	4.421	4.146	4.102	4.169	4.093	5.80
86)	T	p-Isopropyltol...	2.844	3.229	3.546	3.402	3.325	3.401	3.291	7.37
87)	T	1,3-Dichlorobe...	1.616	1.669	1.741	1.679	1.663	1.703	1.678	2.49
88)	T	1,4-Dichlorobe...	1.662	1.712	1.762	1.686	1.660	1.701	1.697	2.22
89)	T	n-Butylbenzene	2.138	2.696	3.087	3.105	3.194	3.251	2.912	14.63
90)	T	Hexachloroethane	0.533	0.589	0.629	0.615	0.643	0.689	0.616	8.53
91)	T	1,2-Dichlorobe...	1.512	1.713	1.763	1.666	1.604	1.639	1.650	5.30
92)	T	1,2-Dibromo-3-...	0.202	0.236	0.268	0.258	0.261	0.289	0.252	11.87
93)	T	1,2,4-Trichlor...	0.860	0.934	1.013	1.013	1.057	1.112	0.998	8.98
94)	T	Hexachlorobuta...	0.383	0.376	0.416	0.383	0.408	0.411	0.396	4.36
95)	T	Naphthalene	2.824	3.432	3.879	3.752	3.771	3.991	3.608	11.84
96)	T	1,2,3-Trichlor...	0.858	0.952	1.042	1.031	1.043	1.109	1.006	8.75

(#) = Out of Range

Chloroethane

Response Ratio



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044868.D
 Acq On : 10 Feb 2025 10:25
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Quant Time: Feb 11 03:33:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:33:20 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	134134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	254149	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	218570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	90733	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	1.160	85	1939m	1.031	ug/l	
3) Chloromethane	1.307	50	2571	1.123	ug/l	94
4) Vinyl Chloride	1.374	62	2252	1.015	ug/l	96
6) Chloroethane	1.666	64	1341	2.592	ug/l	91
7) Trichlorofluoromethane	1.874	101	2849	1.016	ug/l	88
8) Diethyl Ether	2.130	74	1032	1.014	ug/l #	37
9) 1,1,2-Trichlorotrifluo...	2.325	101	1564	0.923	ug/l #	88
12) 1,1-Dichloroethene	2.307	96	1737	1.005	ug/l	85
14) Allyl chloride	2.654	41	3164	1.013	ug/l	90
15) Acrylonitrile	3.069	53	4527	4.655	ug/l	95
16) Acetone	2.380	43	4095	5.188	ug/l	92
17) Carbon Disulfide	2.502	76	4531	0.956	ug/l #	88
18) Methyl Acetate	2.697	43	2367	0.950	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	5206	0.946	ug/l #	87
20) Methylene Chloride	2.782	84	2005	1.037	ug/l #	90
21) trans-1,2-Dichloroethene	3.087	96	1631	0.959	ug/l	96
22) Diisopropyl ether	3.764	45	5496	0.930	ug/l #	75
23) Vinyl Acetate	3.727	43	20663	4.288	ug/l	99
24) 1,1-Dichloroethane	3.605	63	3099	0.937	ug/l #	93
25) 2-Butanone	4.587	43	5660	4.416	ug/l	93
26) 2,2-Dichloropropane	4.471	77	2566	0.978	ug/l	76
27) cis-1,2-Dichloroethene	4.489	96	1825	0.893	ug/l	91
28) Bromochloromethane	4.910	49	1702	1.071	ug/l #	75
29) Tetrahydrofuran	5.026	42	4014	4.716	ug/l	99
30) Chloroform	5.093	83	3132	0.976	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	2721	1.000	ug/l #	50
36) 1,1-Dichloropropene	5.684	75	2399	1.006	ug/l	94
37) Ethyl Acetate	4.721	43	2426m	0.915	ug/l	
38) Carbon Tetrachloride	5.666	117	2322	0.994	ug/l #	74
39) Methylcyclohexane	7.379	83	2589	0.840	ug/l	96
40) Benzene	6.038	78	6963	0.935	ug/l	94
41) Methacrylonitrile	4.958	41	1205m	0.849	ug/l	
42) 1,2-Dichloroethane	6.099	62	2120	0.894	ug/l	84
43) Isopropyl Acetate	6.355	43	3839	0.897	ug/l #	88
44) Trichloroethene	7.135	130	1487	0.874	ug/l	76
45) 1,2-Dichloropropane	7.440	63	1746	0.943	ug/l #	86

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044868.D
 Acq On : 10 Feb 2025 10:25
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Quant Time: Feb 11 03:33:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:33:20 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

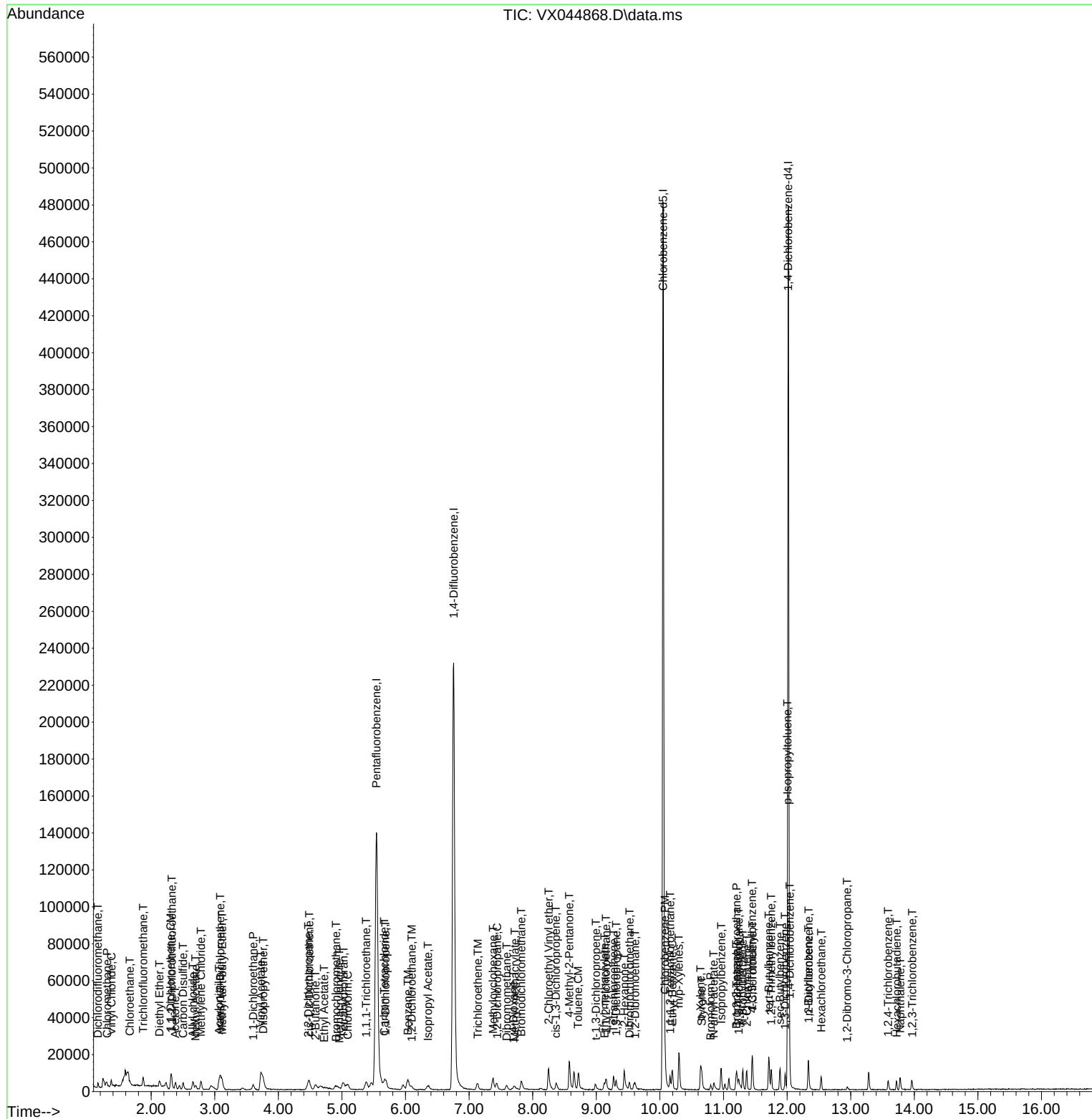
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.592	93	1202	0.936	ug/l	95
47) Bromodichloromethane	7.818	83	2176	0.875	ug/l	93
48) Methyl methacrylate	7.720	41	1675	0.830	ug/l	92
49) 1,4-Dioxane	7.696	88	867	20.015	ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	11169	4.290	ug/l	96
52) Toluene	8.714	92	3943	0.889	ug/l	100
53) t-1,3-Dichloropropene	8.994	75	2119	0.842	ug/l	90
54) cis-1,3-Dichloropropene	8.366	75	2300	0.820	ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	1558	0.914	ug/l #	86
56) Ethyl methacrylate	9.128	69	2346	0.852	ug/l #	84
57) 1,3-Dichloropropane	9.311	76	2699	0.905	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.251	63	5401	3.996	ug/l	97
59) 2-Hexanone	9.439	43	7952	4.240	ug/l	95
60) Dibromochloromethane	9.525	129	1613	0.885	ug/l	96
61) 1,2-Dibromoethane	9.610	107	1534	0.888	ug/l	97
64) Tetrachloroethene	9.275	164	1339	0.971	ug/l	91
65) Chlorobenzene	10.080	112	4234	0.902	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.165	131	1320	0.874	ug/l #	64
67) Ethyl Benzene	10.195	91	7388	0.892	ug/l	98
68) m/p-Xylenes	10.299	106	5387	1.763	ug/l	100
69) o-Xylene	10.640	106	2889	0.942	ug/l	97
70) Styrene	10.659	104	3974	0.804	ug/l	97
71) Bromoform	10.799	173	813	0.721	ug/l #	95
73) Isopropylbenzene	10.964	105	6778	0.928	ug/l	99
74) N-amyl acetate	10.848	43	2596	0.785	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.207	83	2594	1.033	ug/l	94
76) 1,2,3-Trichloropropane	11.238	75	1898m	0.943	ug/l	
77) Bromobenzene	11.201	156	1537	0.928	ug/l	90
78) n-propylbenzene	11.305	91	7347	0.871	ug/l	98
79) 2-Chlorotoluene	11.366	91	5188	1.001	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	5410	0.913	ug/l	98
82) 4-Chlorotoluene	11.457	91	5367	0.936	ug/l	99
83) tert-Butylbenzene	11.713	119	5620	0.937	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	4876	0.833	ug/l	88
85) sec-Butylbenzene	11.890	105	6700	0.902	ug/l	99
86) p-Isopropyltoluene	12.006	119	5161	0.864	ug/l	90
87) 1,3-Dichlorobenzene	11.969	146	2933	0.963	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	3016m	0.979	ug/l	
89) n-Butylbenzene	12.335	91	3880	0.734	ug/l	93
90) Hexachloroethane	12.536	117	968	0.866	ug/l	98
91) 1,2-Dichlorobenzene	12.341	146	2744	0.917	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	367	0.801	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	1560	0.861	ug/l	86
94) Hexachlorobutadiene	13.725	225	695	0.966	ug/l	99
95) Naphthalene	13.780	128	5125	0.783	ug/l	99
96) 1,2,3-Trichlorobenzene	13.969	180	1557	0.853	ug/l	93

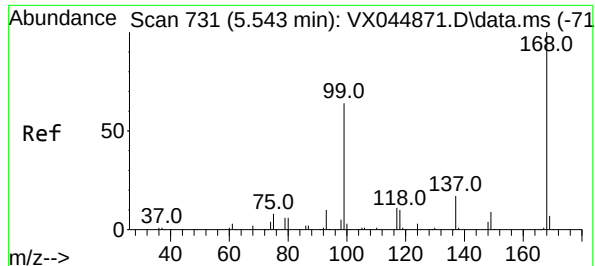
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations

Reviewed By :John Carlone 02/11/2025
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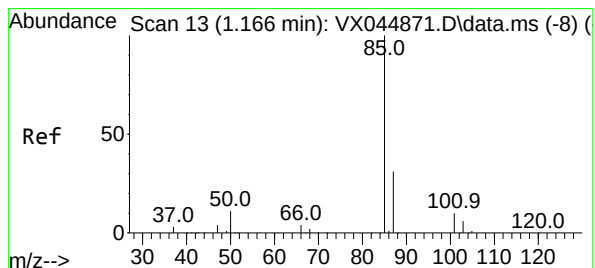
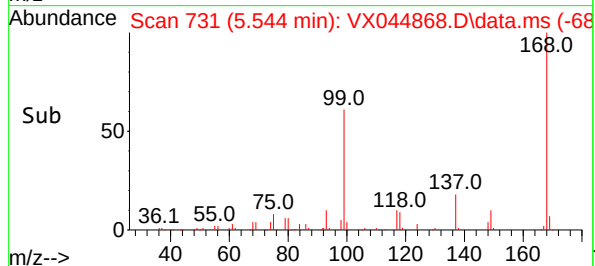
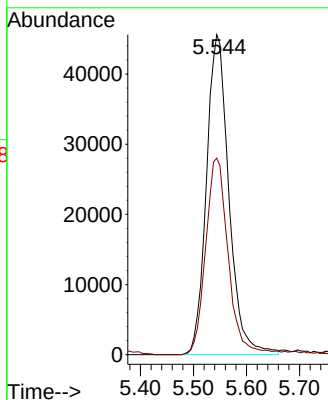
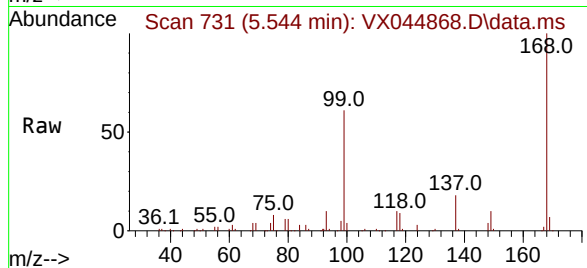
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 134134
Ion Ratio Lower Upper
168 100
99 61.4 51.2 76.8

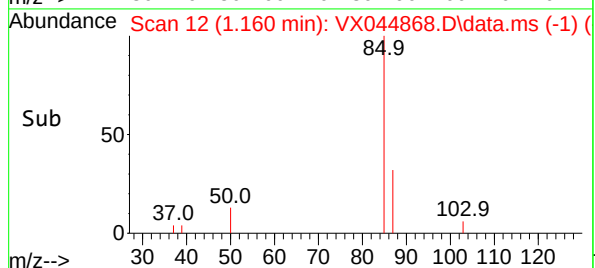
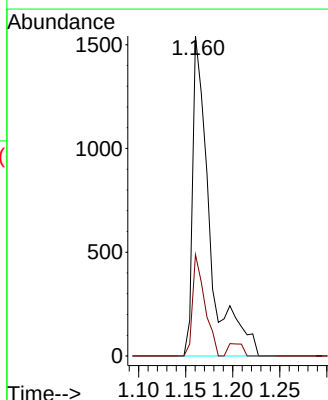
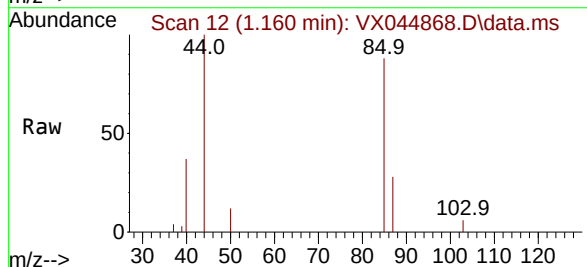
Manual Integrations
APPROVED

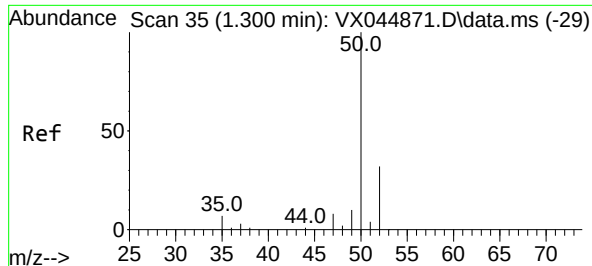
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#2
Dichlorodifluoromethane
Concen: 1.031 ug/l m
RT: 1.160 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 85 Resp: 1939
Ion Ratio Lower Upper
85 100
87 31.7 15.8 47.3





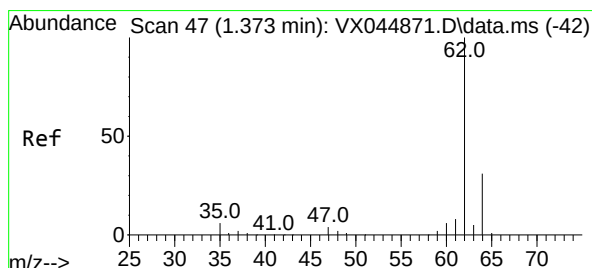
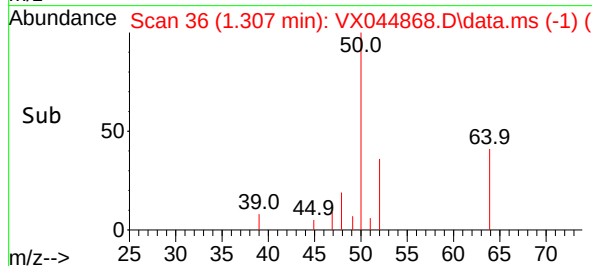
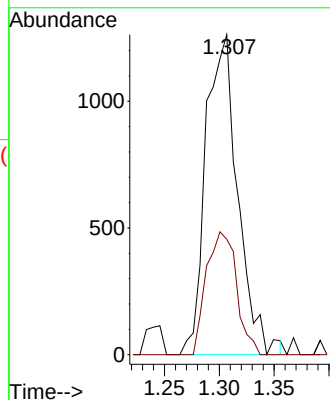
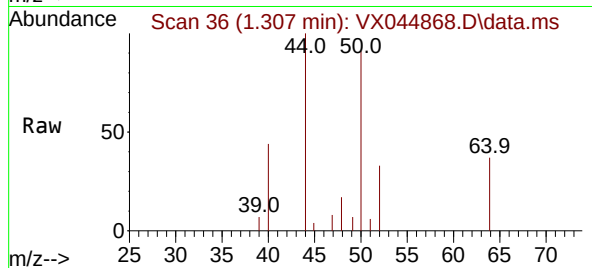
#3
Chloromethane
Concen: 1.123 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 257
Ion Ratio Lower Upper
50 100
52 36.0 25.9 38.9

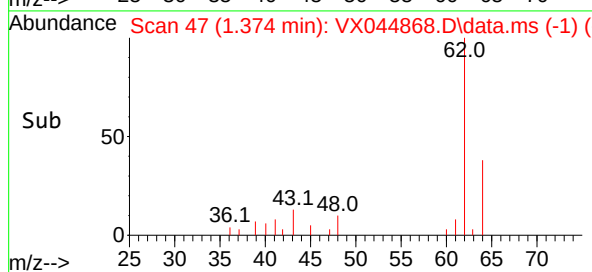
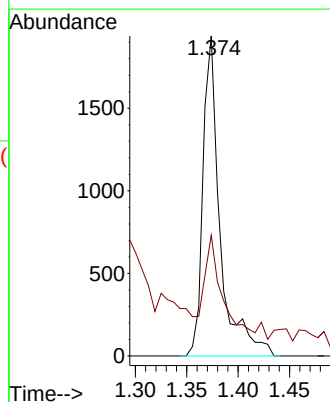
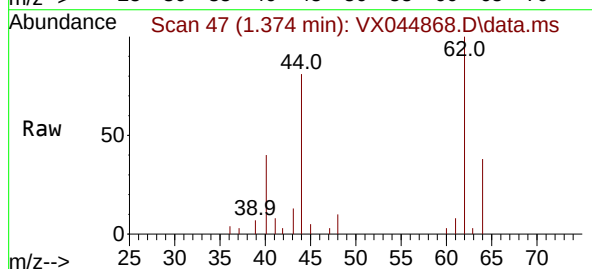
Manual Integrations
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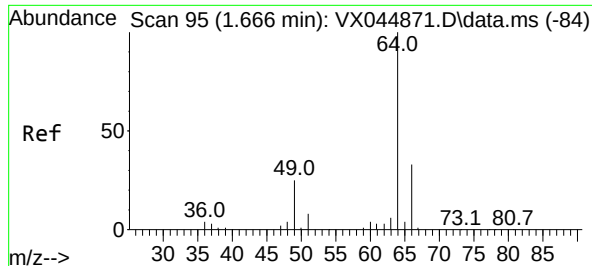
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#4
Vinyl Chloride
Concen: 1.015 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 62 Resp: 2252
Ion Ratio Lower Upper
62 100
64 29.4 25.4 38.0





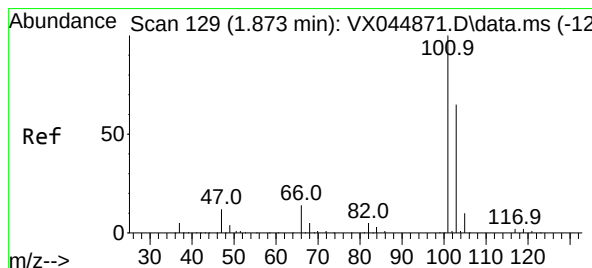
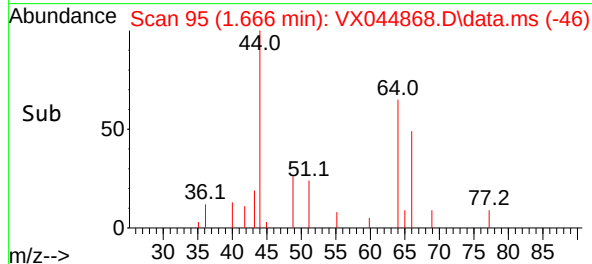
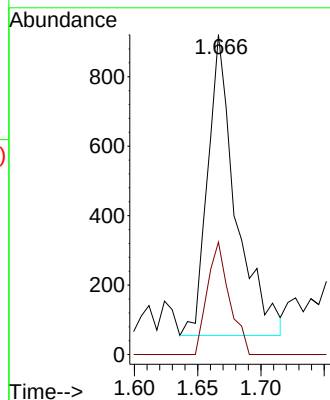
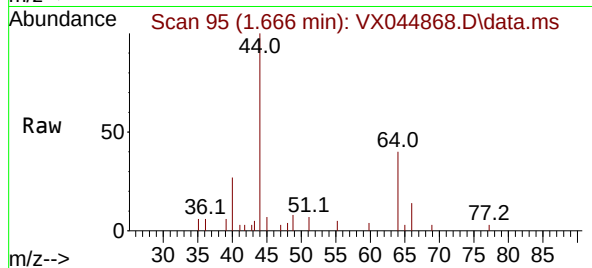
#6
Chloroethane
Concen: 2.592 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 134
Ion Ratio Lower Upper
64 100
66 37.4 25.9 38.9

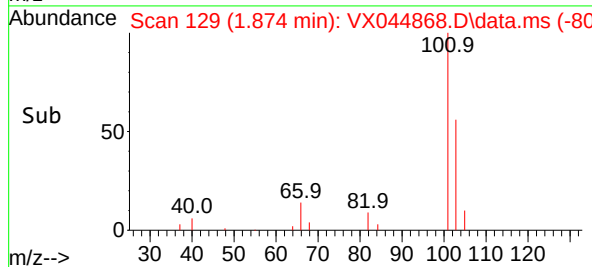
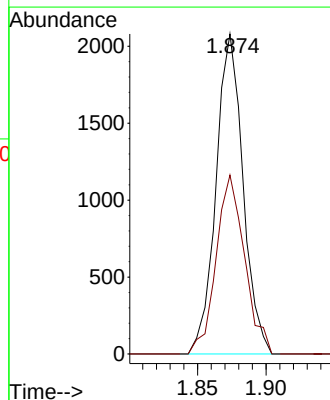
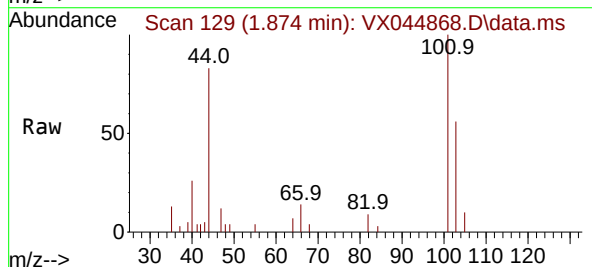
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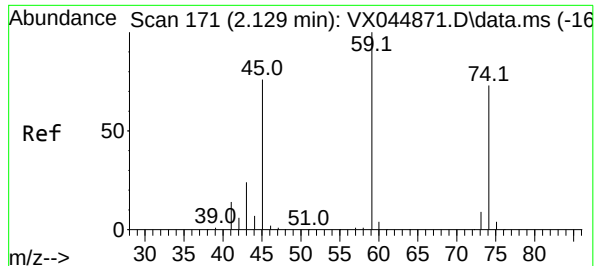
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#7
Trichlorofluoromethane
Concen: 1.016 ug/l
RT: 1.874 min Scan# 129
Delta R.T. 0.001 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:101 Resp: 2849
Ion Ratio Lower Upper
101 100
103 55.9 52.4 78.6





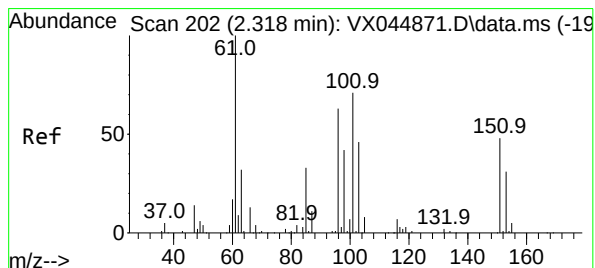
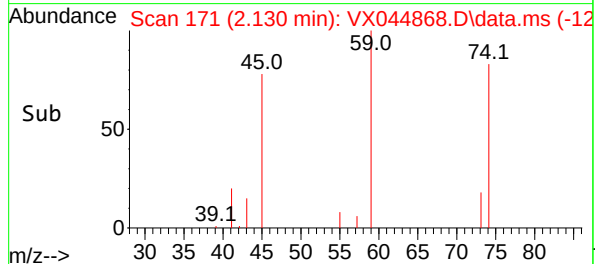
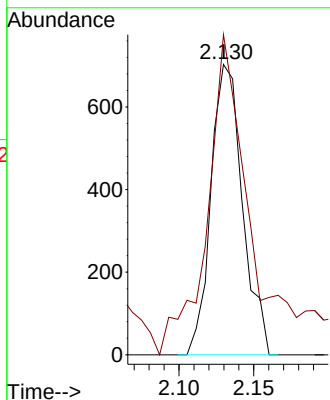
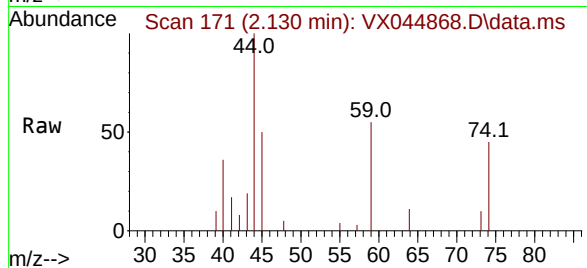
#8
Diethyl Ether
Concen: 1.014 ug/l
RT: 2.130 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 74 Resp: 103
Ion Ratio Lower Upper
74 100
45 166.1 51.1 153.4

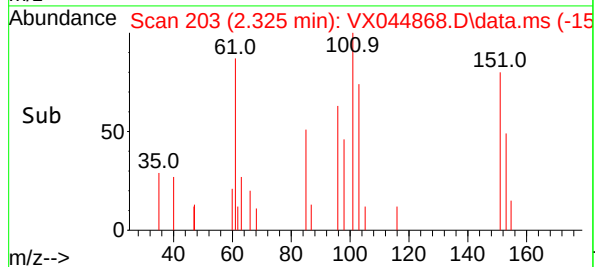
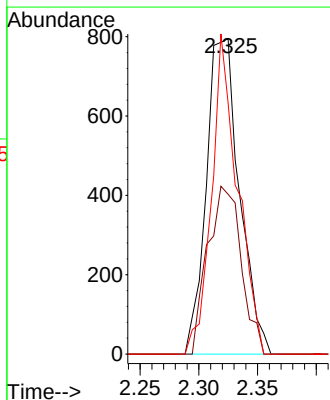
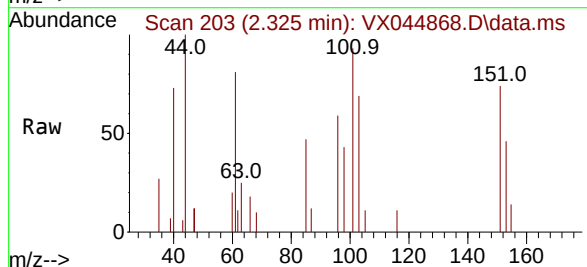
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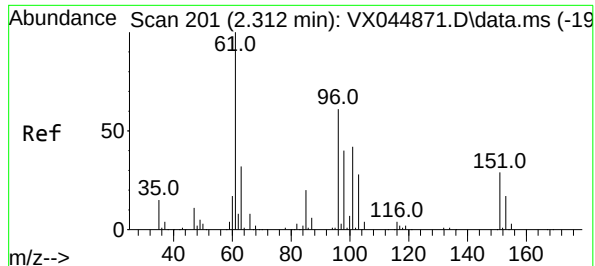
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.923 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:101 Resp: 1564
Ion Ratio Lower Upper
101 100
85 53.6 35.7 53.5#
151 79.3 56.0 84.0





#12

1,1-Dichloroethene

Concen: 1.005 ug/l

RT: 2.307 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 96 Resp: 173

Ion Ratio Lower Upper

96 100

61 139.5 130.2 195.4

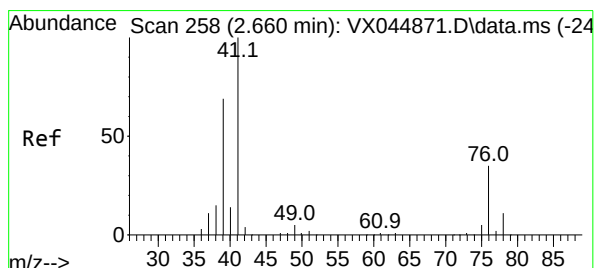
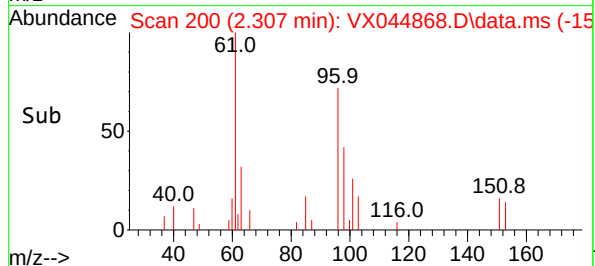
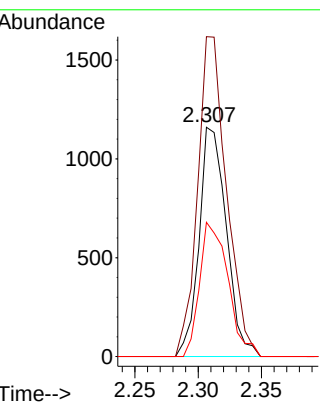
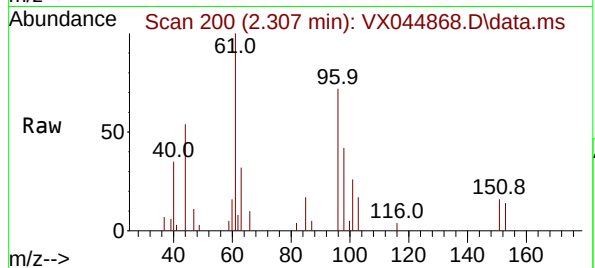
98 58.5 52.2 78.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#14

Allyl chloride

Concen: 1.013 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

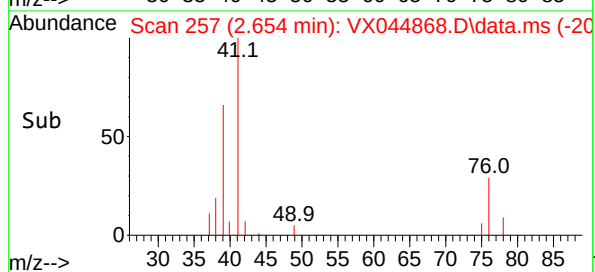
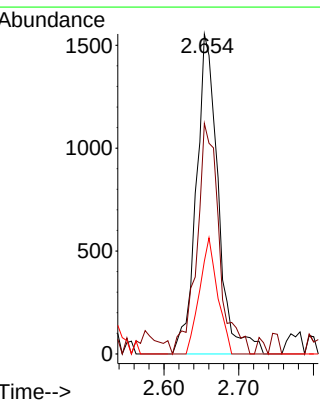
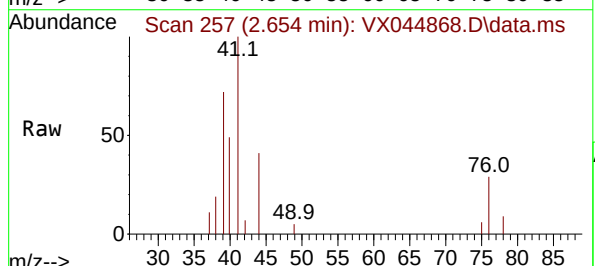
Tgt Ion: 41 Resp: 3164

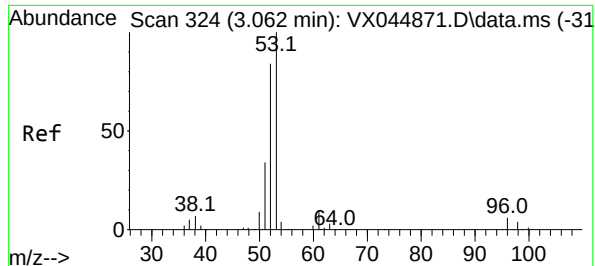
Ion Ratio Lower Upper

41 100

39 73.5 51.4 77.2

76 29.9 27.0 40.4





#15

Acrylonitrile

Concen: 4.655 ug/l

RT: 3.069 min Scan# 31

Delta R.T. 0.007 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

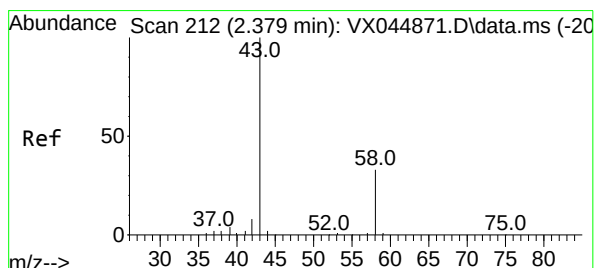
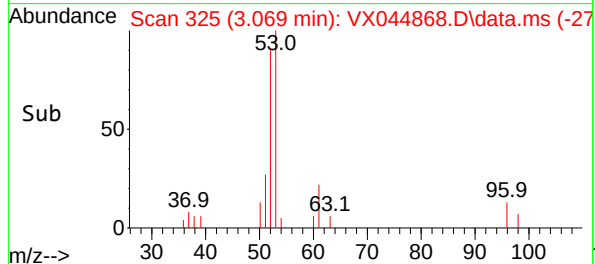
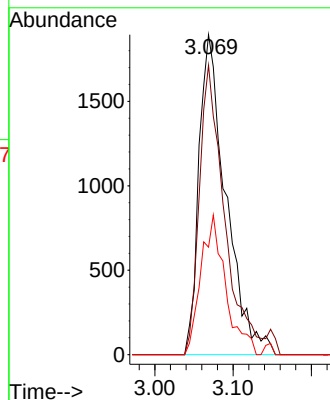
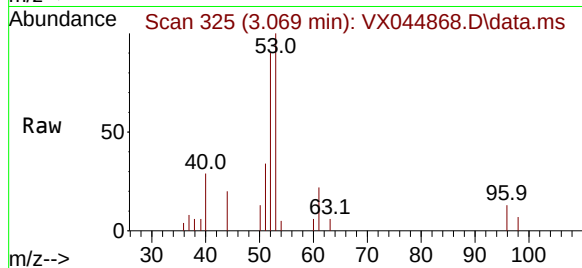
VSTDICC001

Tgt Ion:	53	Resp:	452
Ion	Ratio	Lower	Upper
53	100		
52	84.7	65.0	97.6
51	40.0	28.0	42.0

Manual Integrations
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Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#16

Acetone

Concen: 5.188 ug/l

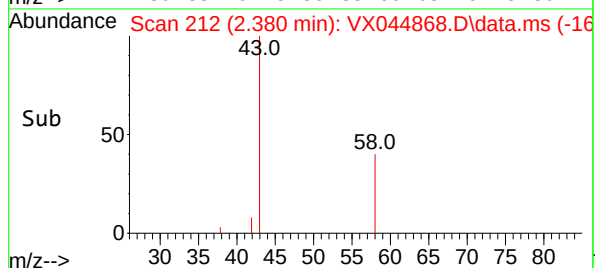
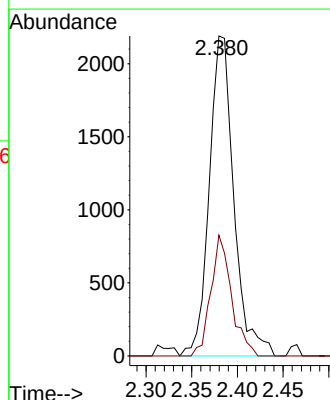
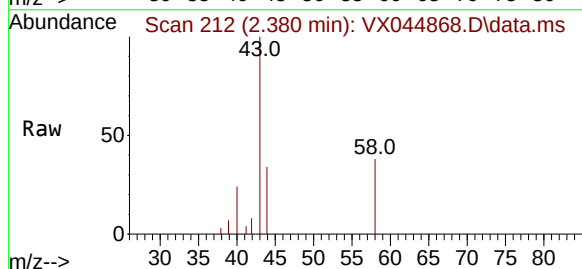
RT: 2.380 min Scan# 212

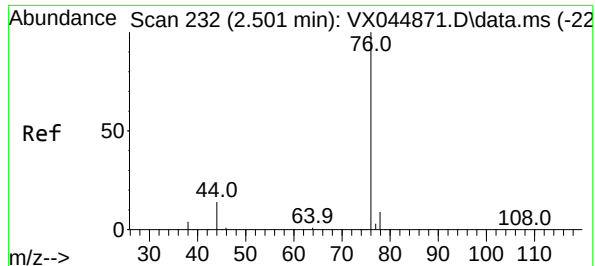
Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion:	43	Resp:	4095
Ion	Ratio	Lower	Upper
43	100		
58	37.8	26.5	39.7





#17

Carbon Disulfide

Concen: 0.956 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 76 Resp: 453

Ion Ratio Lower Upper

76 100

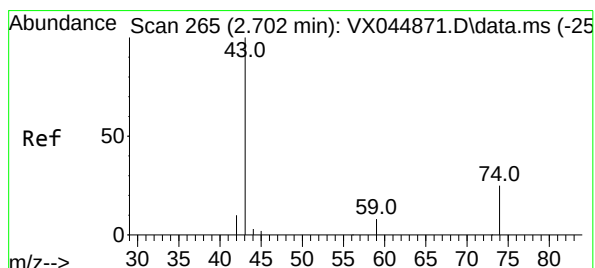
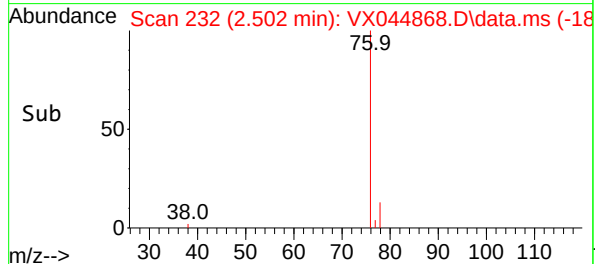
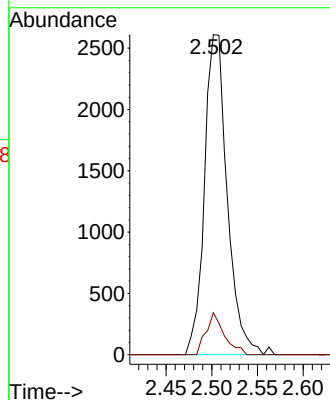
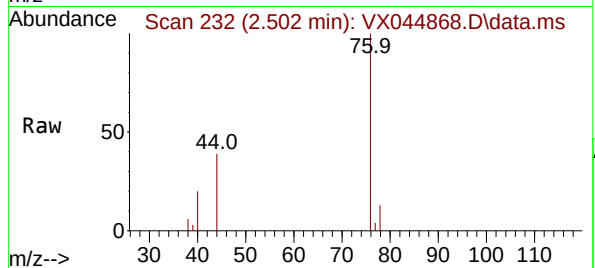
78 13.1 7.0 10.4

Manual Integrations

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Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#18

Methyl Acetate

Concen: 0.950 ug/l

RT: 2.697 min Scan# 264

Delta R.T. -0.006 min

Lab File: VX044868.D

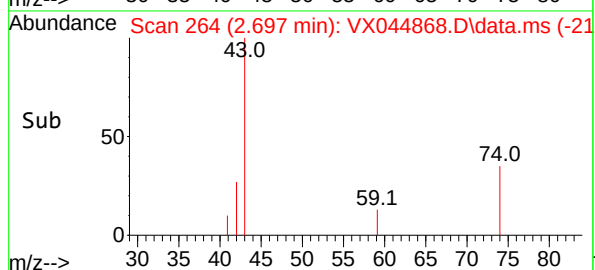
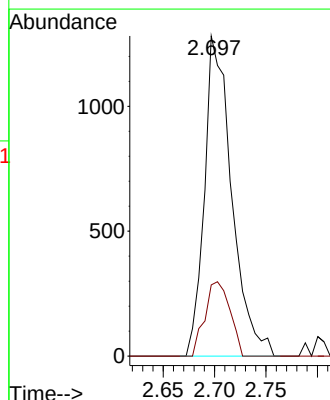
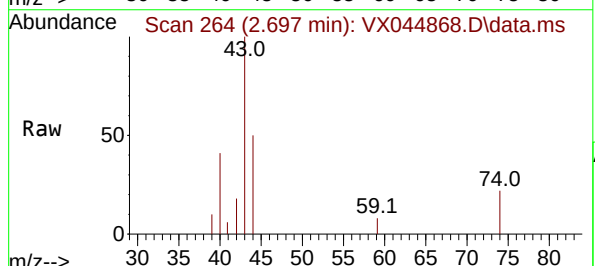
Acq: 10 Feb 2025 10:25

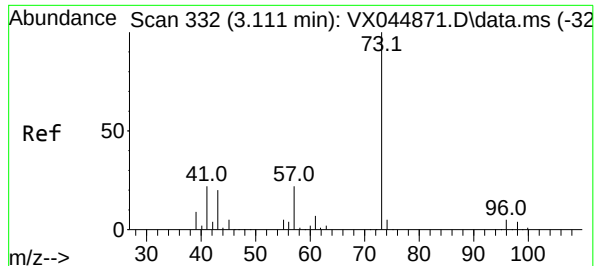
Tgt Ion: 43 Resp: 2367

Ion Ratio Lower Upper

43 100

74 21.3 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 0.946 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.007 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 73 Resp: 5200

Ion Ratio Lower Upper

73 100

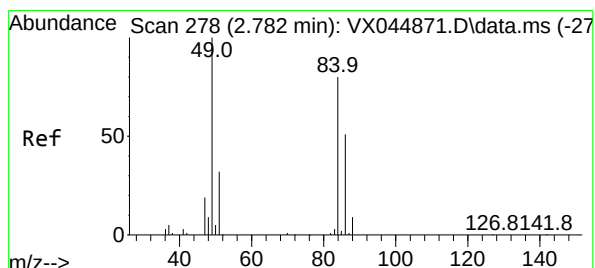
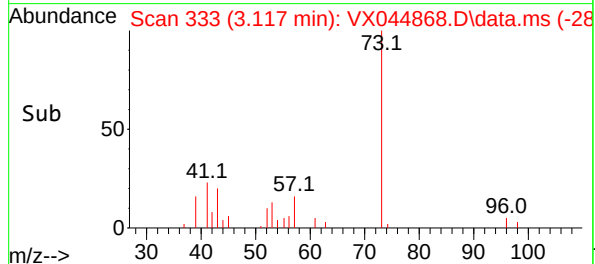
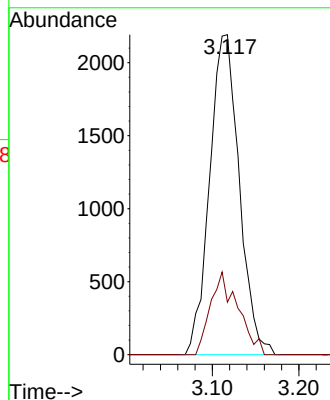
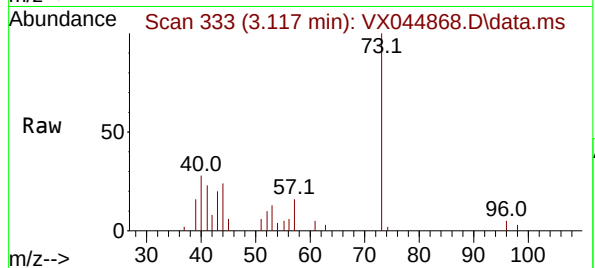
57 16.4 17.9 26.9

Manual Integrations

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Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#20

Methylene Chloride

Concen: 1.037 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion: 84 Resp: 2005

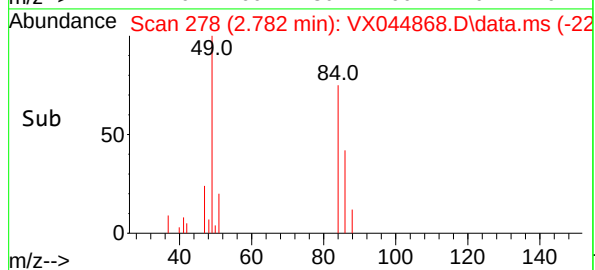
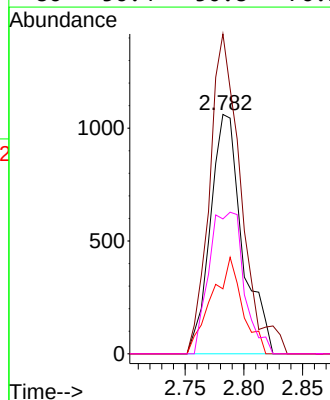
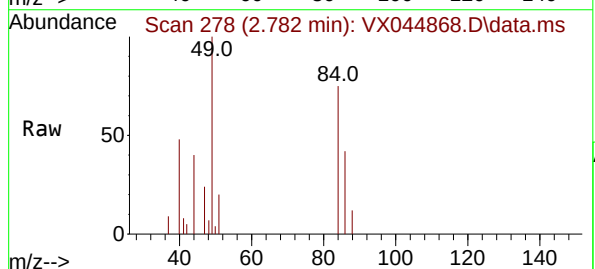
Ion Ratio Lower Upper

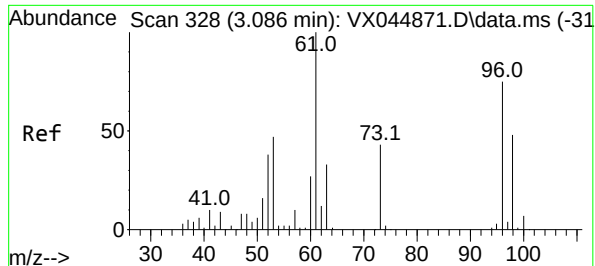
84 100

49 133.6 100.1 150.1

51 27.1 31.7 47.5

86 56.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 0.959 ug/l

RT: 3.087 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 96 Resp: 163

Ion Ratio Lower Upper

96 100

61 138.8 106.0 159.0

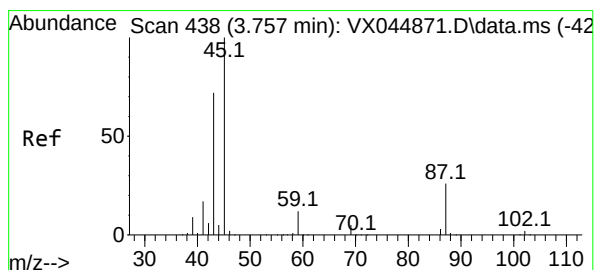
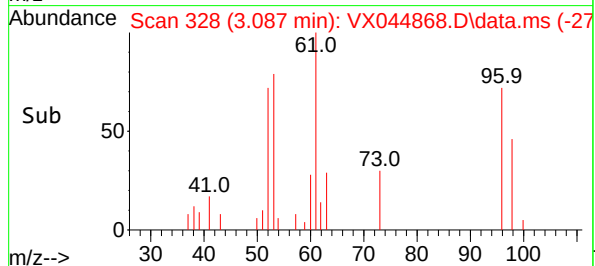
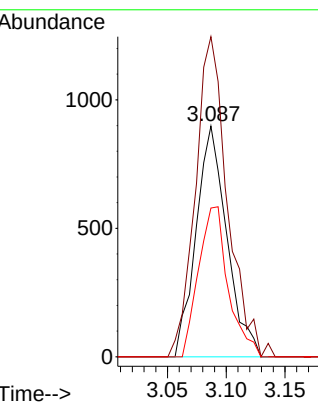
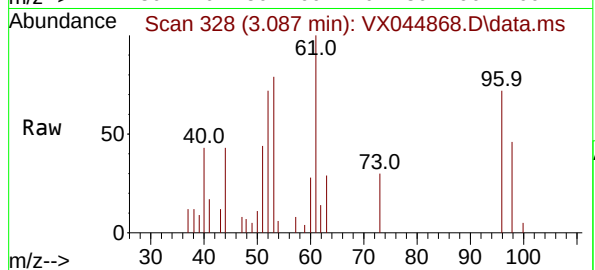
98 64.5 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#22

Diisopropyl ether

Concen: 0.930 ug/l

RT: 3.764 min Scan# 439

Delta R.T. 0.007 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion: 45 Resp: 5496

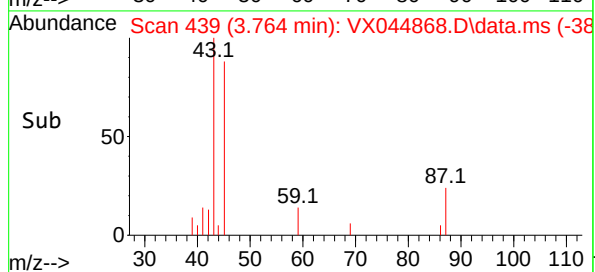
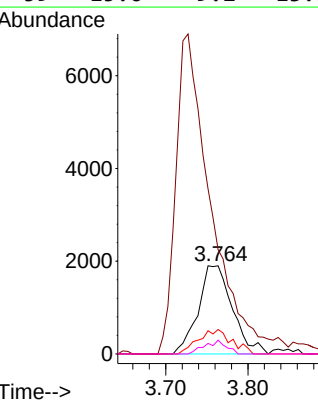
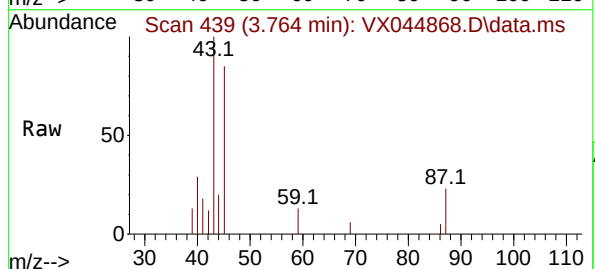
Ion Ratio Lower Upper

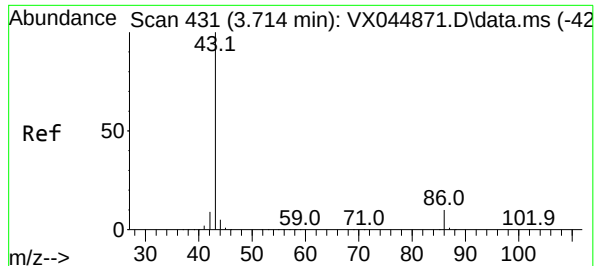
45 100

43 101.2 58.0 87.0#

87 27.8 20.7 31.1

59 15.6 9.2 13.8#





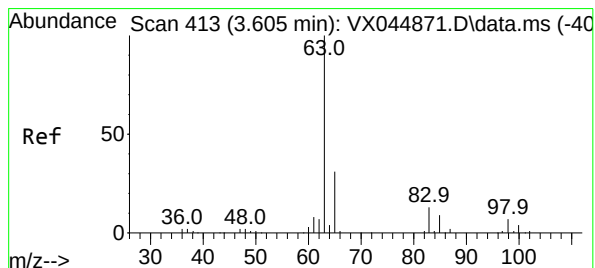
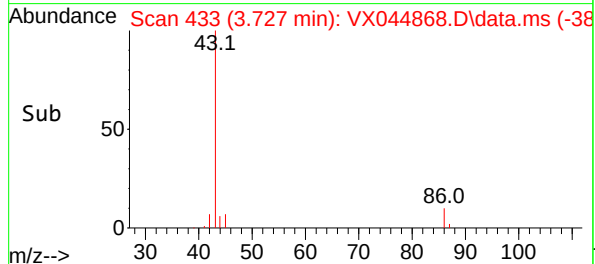
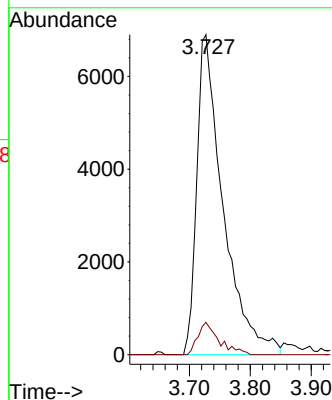
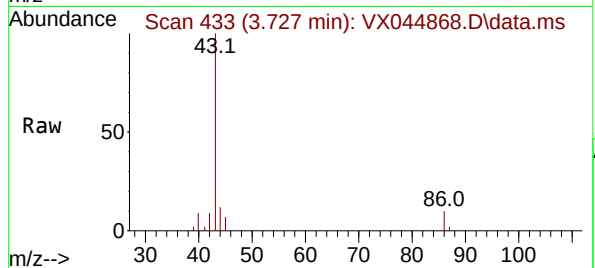
#23
Vinyl Acetate
Concen: 4.288 ug/l
RT: 3.727 min Scan# 413
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 2066
Ion Ratio Lower Upper
43 100
86 10.1 8.3 12.5

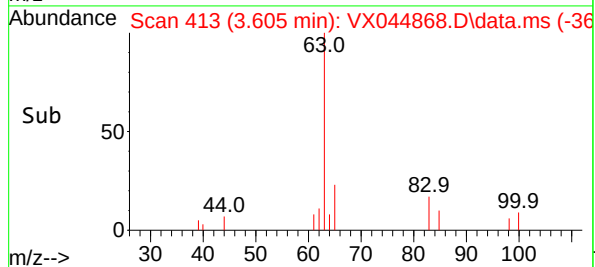
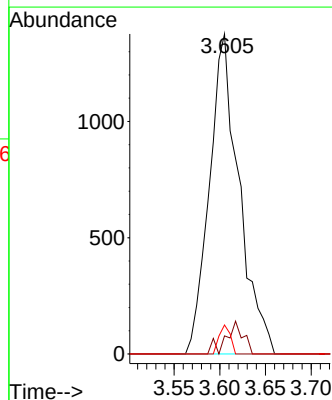
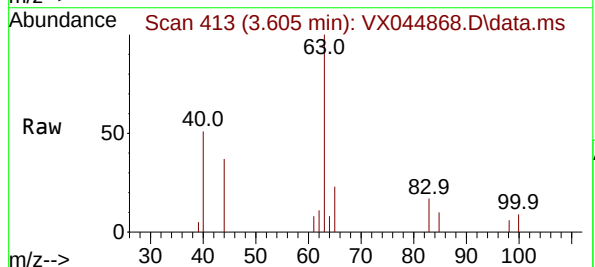
Manual Integrations
APPROVED

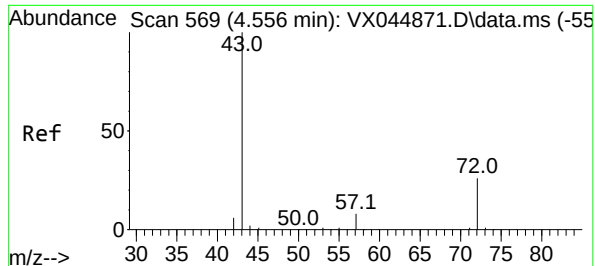
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#24
1,1-Dichloroethane
Concen: 0.937 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 63 Resp: 3099
Ion Ratio Lower Upper
63 100
98 5.7 3.3 9.9
100 9.1 2.1 6.5#





#25

2-Butanone

Concen: 4.416 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.031 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 566

Ion Ratio Lower Upper

43

100

72

23.0

21.2

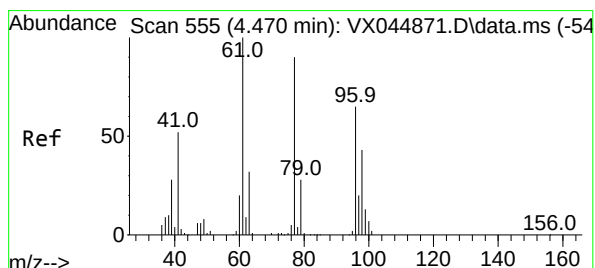
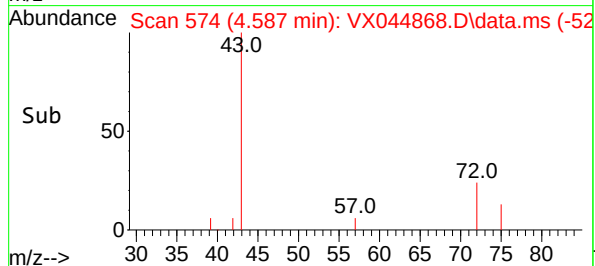
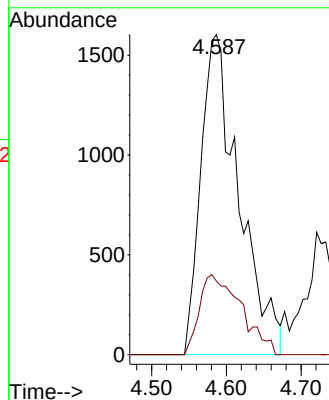
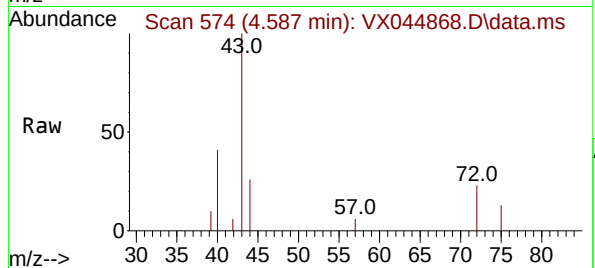
31.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#26

2,2-Dichloropropane

Concen: 0.978 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion: 77 Resp: 2566

Ion Ratio Lower Upper

77

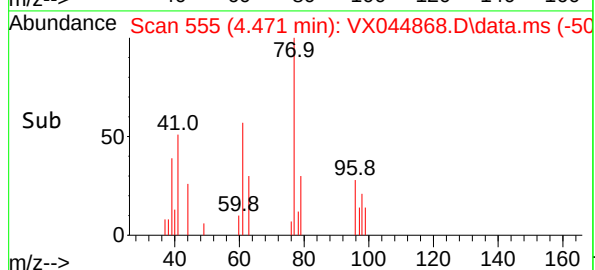
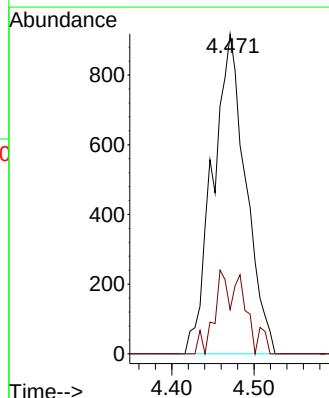
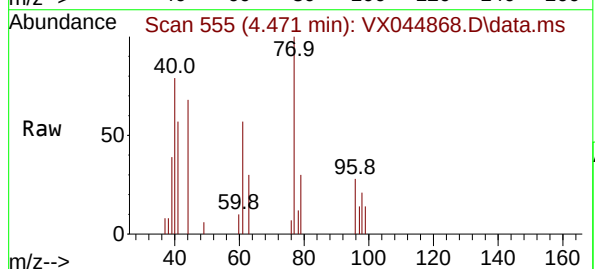
100

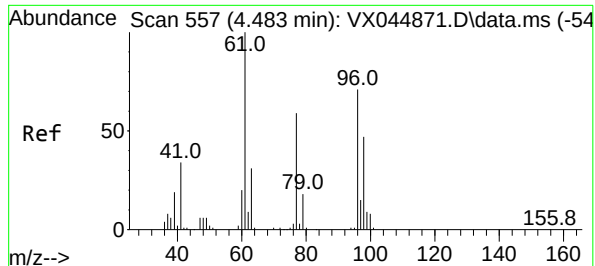
97

11.8

11.8

35.3





#27

cis-1,2-Dichloroethene

Concen: 0.893 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

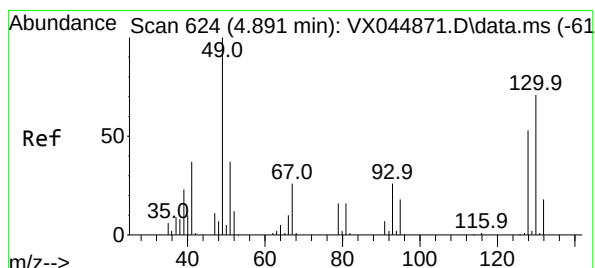
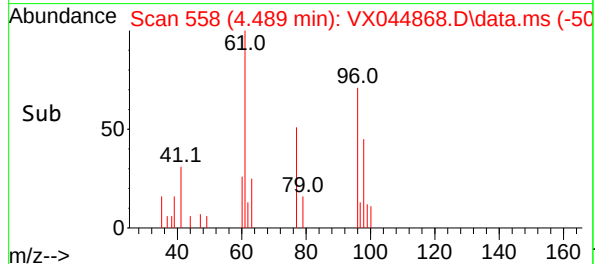
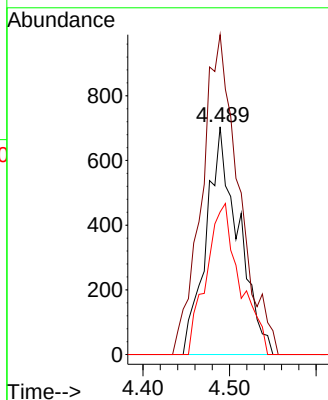
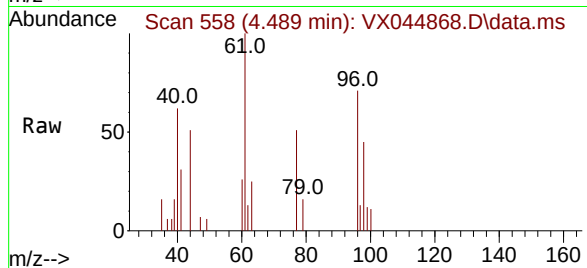
VSTDIC001

Tgt Ion:	96	Resp:	182
Ion	Ratio	Lower	Upper
96	100		
61	161.6	0.0	294.0
98	68.9	0.0	131.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#28

Bromochloromethane

Concen: 1.071 ug/l

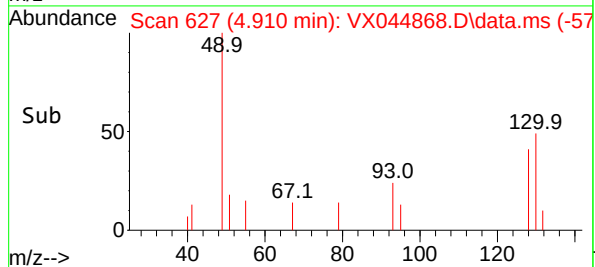
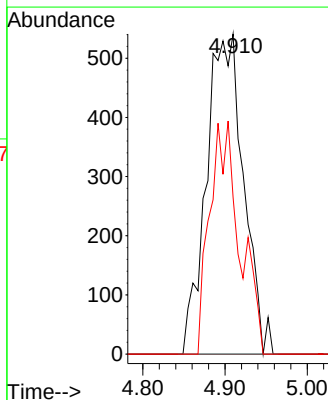
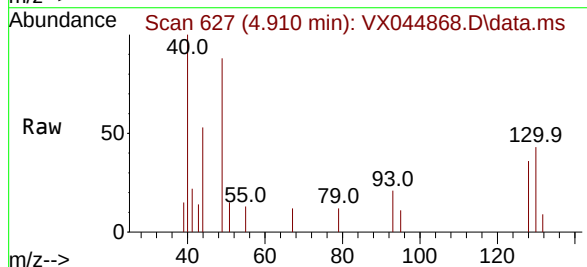
RT: 4.910 min Scan# 627

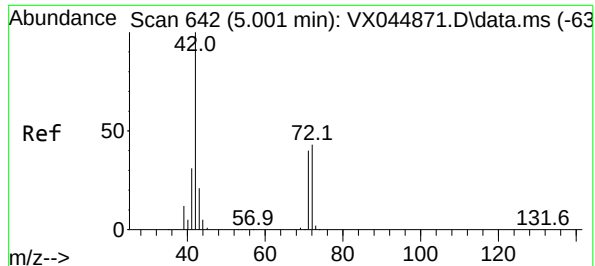
Delta R.T. 0.019 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion:	49	Resp:	1702
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	49.6	56.7	85.1





#29

Tetrahydrofuran

Concen: 4.716 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

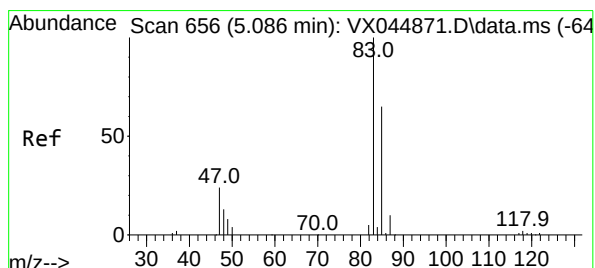
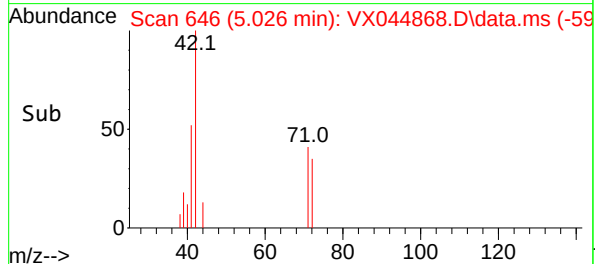
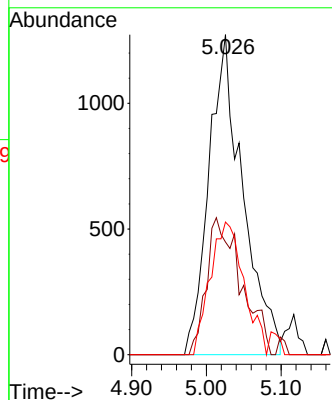
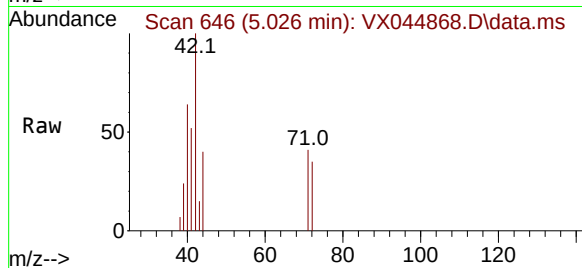
Tgt Ion:	42	Resp:	4014
Ion	Ratio	Lower	Upper
42	100		
72	43.8	35.0	52.4
71	41.3	32.6	48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#30

Chloroform

Concen: 0.976 ug/l

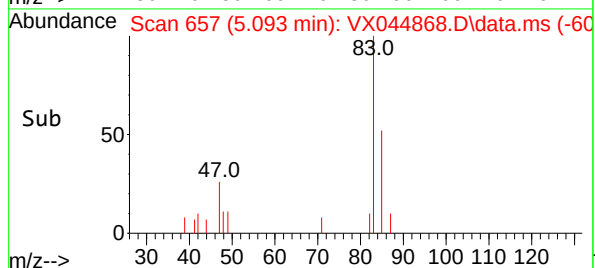
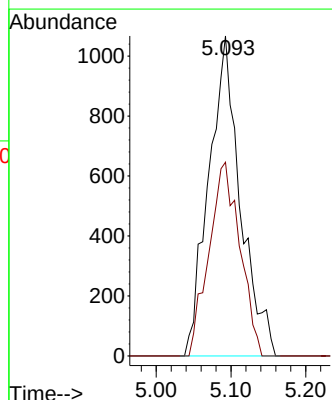
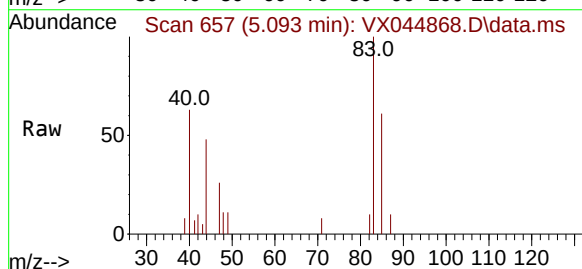
RT: 5.093 min Scan# 657

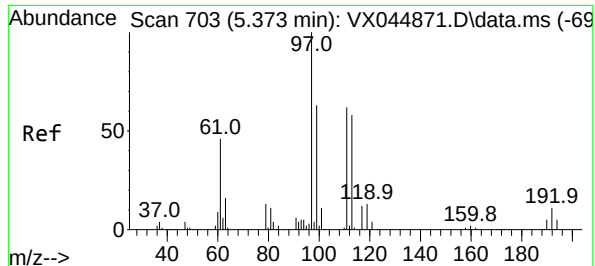
Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion:	83	Resp:	3132
Ion	Ratio	Lower	Upper
83	100		
85	60.5	52.1	78.1





#32

1,1,1-Trichloroethane

Concen: 1.000 ug/l

RT: 5.379 min Scan# 70

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 272

Ion Ratio Lower Upper

97 100

99 0.0 51.0 76.6

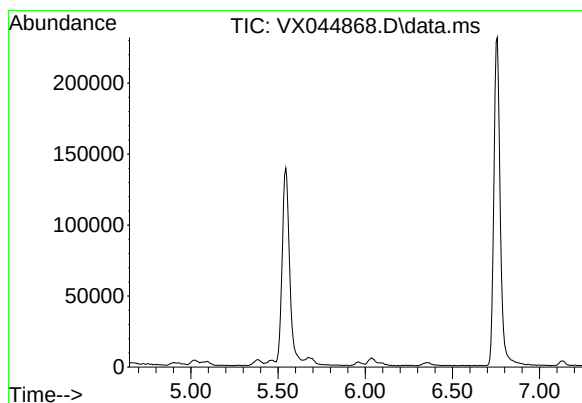
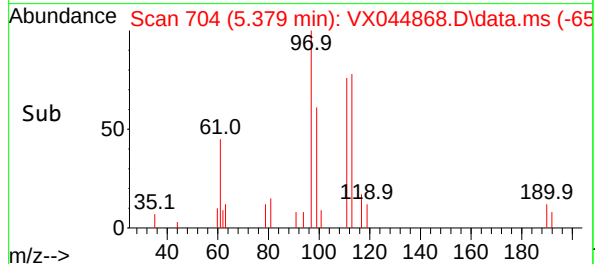
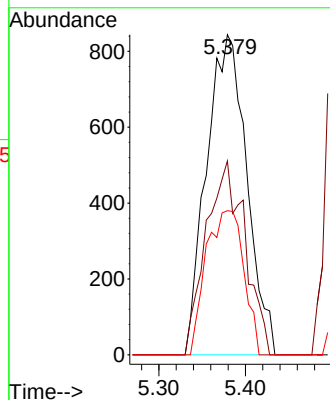
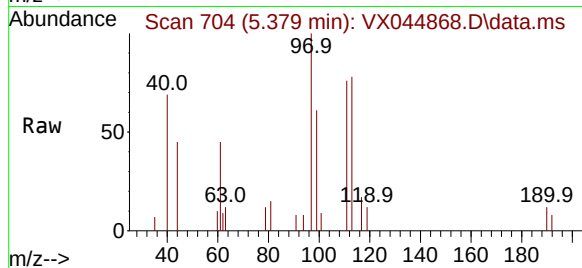
61 42.2 36.6 55.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 5.95 min

Lab File: VX044868.D

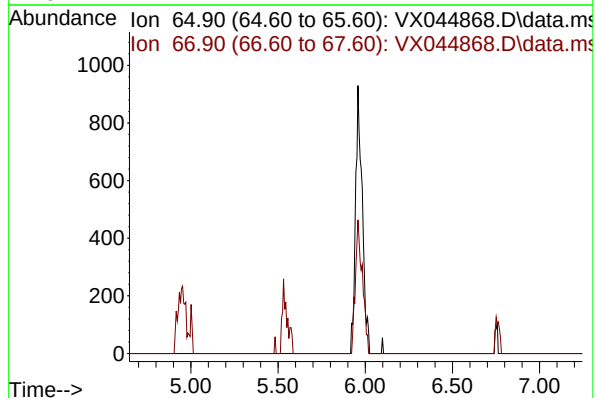
Acq: 10 Feb 2025 10:25

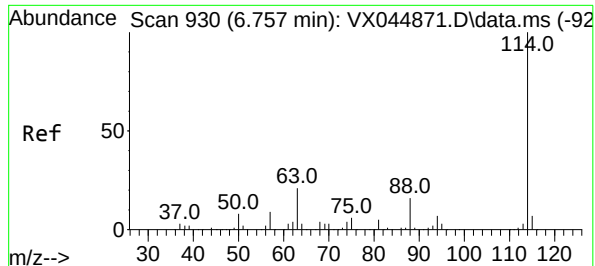
Tgt Ion: 65

Sig Exp Ratio

65 100

67 54.1





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:114 Resp: 254149

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.4

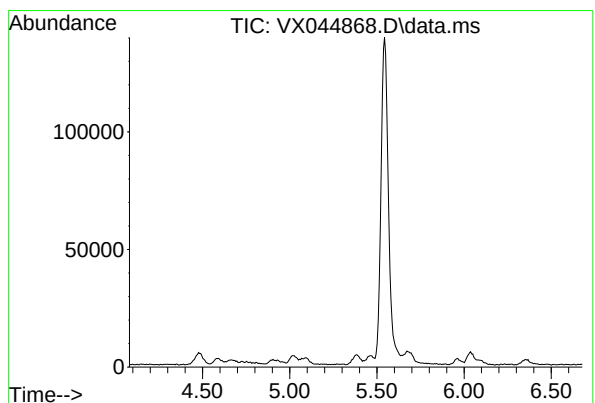
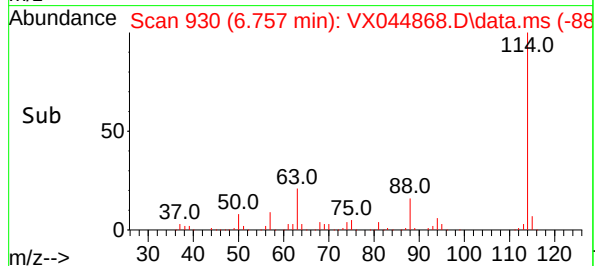
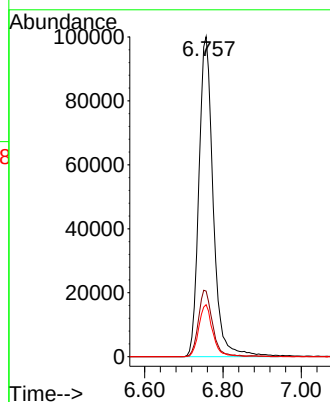
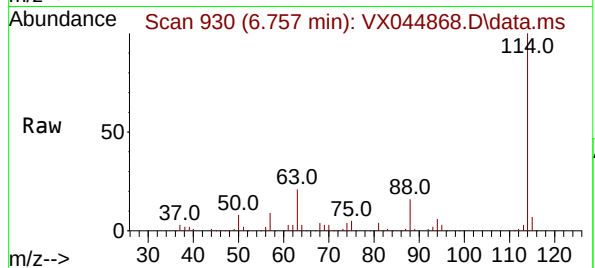
88 16.3 0.0 31.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 5.38 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

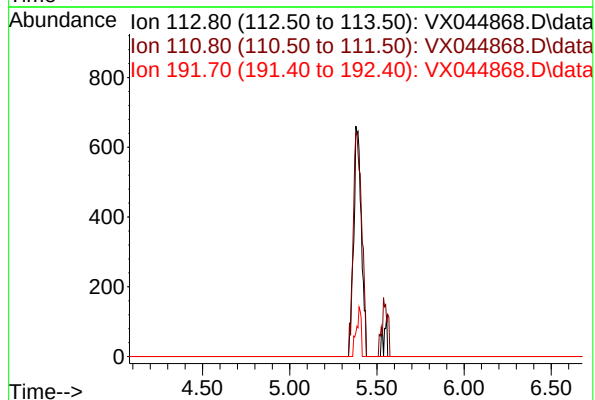
Tgt Ion: 113

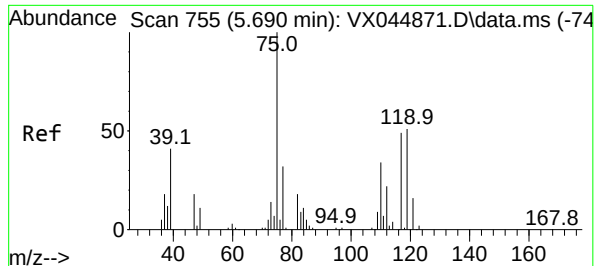
Sig Exp Ratio

113 100

111 104.4

192 18.0





#36

1,1-Dichloropropene

Concen: 1.006 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

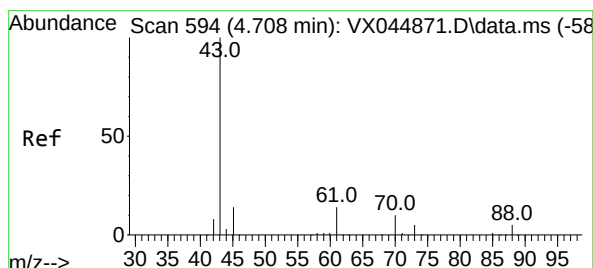
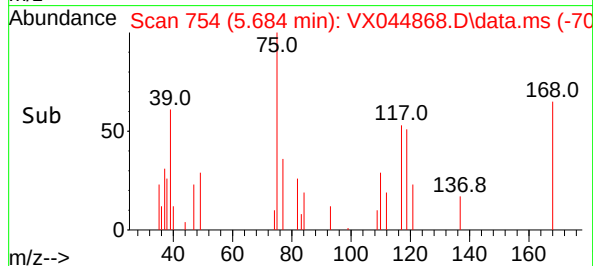
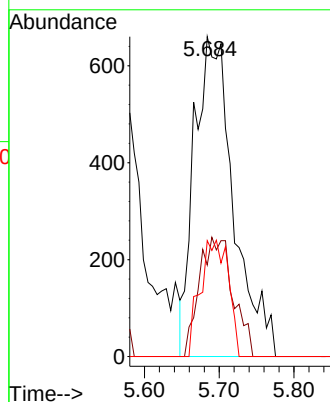
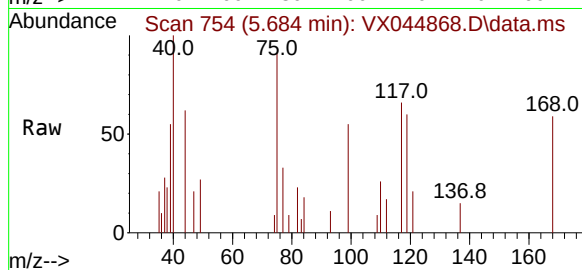
VSTDIC001

Tgt Ion:	75	Resp:	239
Ion	Ratio	Lower	Upper
75	100		
110	32.1	17.2	51.6
77	26.3	24.6	37.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#37

Ethyl Acetate

Concen: 0.915 ug/l m

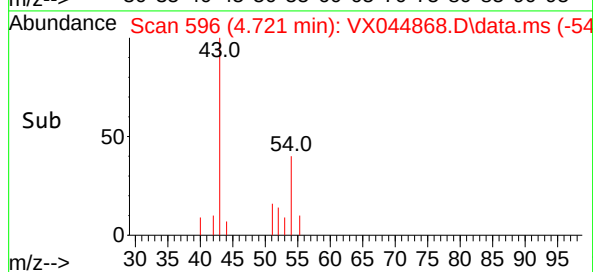
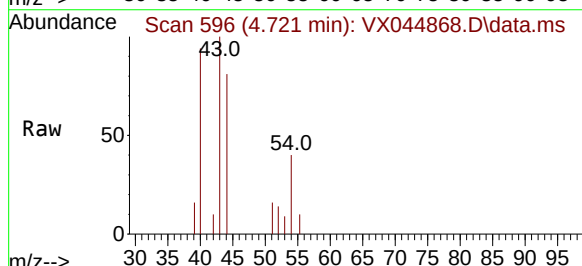
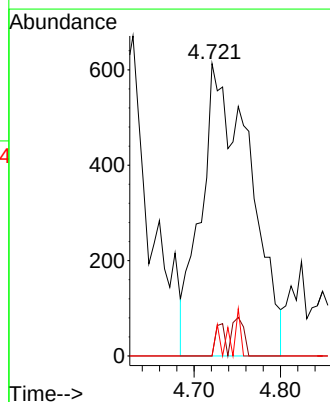
RT: 4.721 min Scan# 596

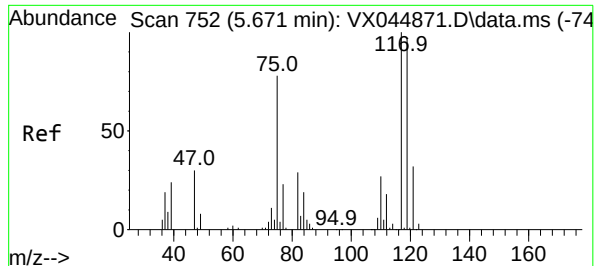
Delta R.T. 0.013 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion:	43	Resp:	2426
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.4#
70	1.0	8.2	12.2#





#38

Carbon Tetrachloride

Concen: 0.994 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

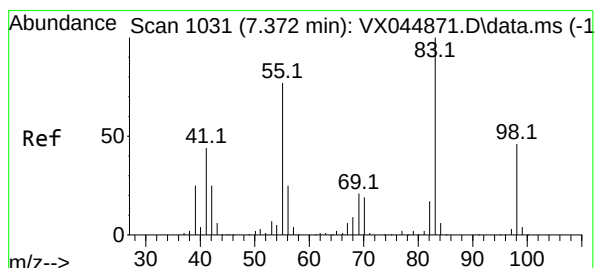
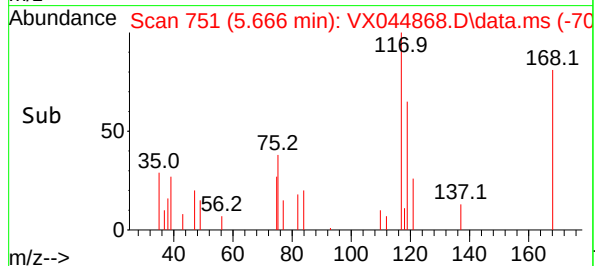
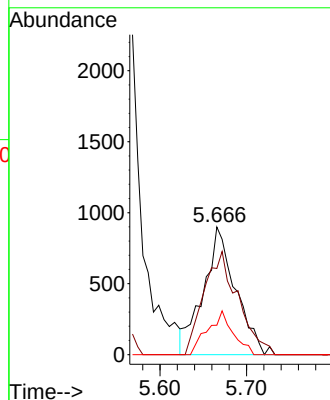
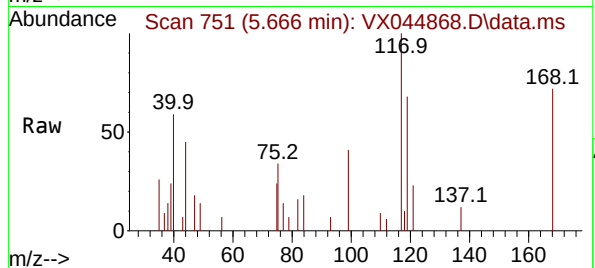
VSTDICC001

Tgt Ion:	117	Resp:	232
Ion	Ratio	Lower	Upper
117	100		
119	67.5	77.5	116.3
121	23.0	25.6	38.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#39

Methylcyclohexane

Concen: 0.840 ug/l

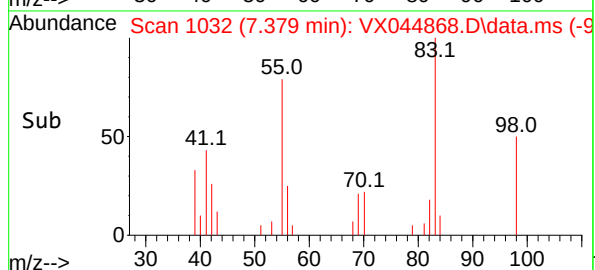
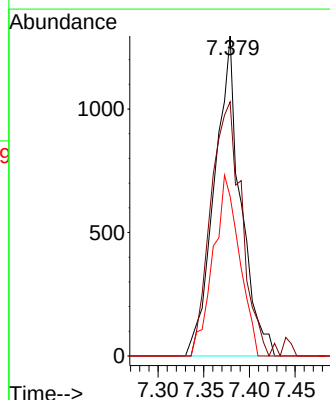
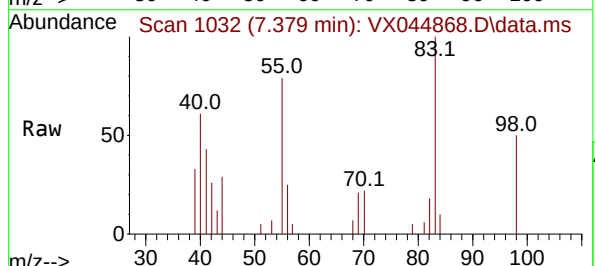
RT: 7.379 min Scan# 1032

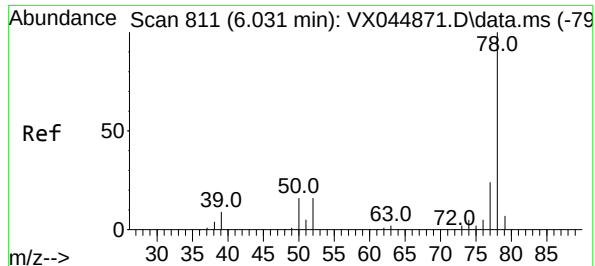
Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion:	83	Resp:	2589
Ion	Ratio	Lower	Upper
83	100		
55	79.4	61.3	91.9
98	49.8	37.0	55.6





#40

Benzene

Concen: 0.935 ug/l

RT: 6.038 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 78 Resp: 696

Ion Ratio Lower Upper

78 100

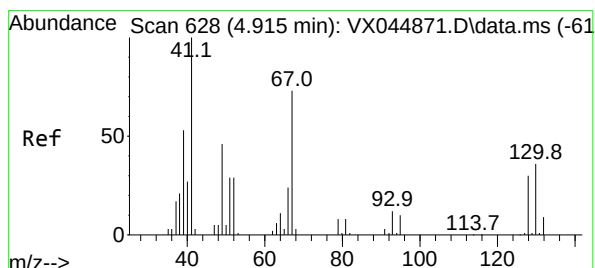
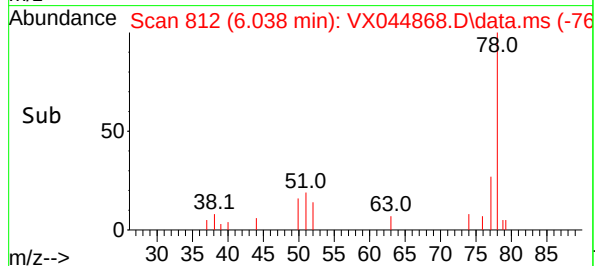
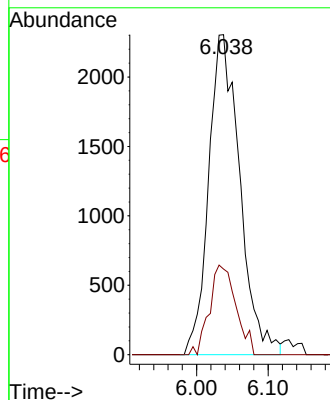
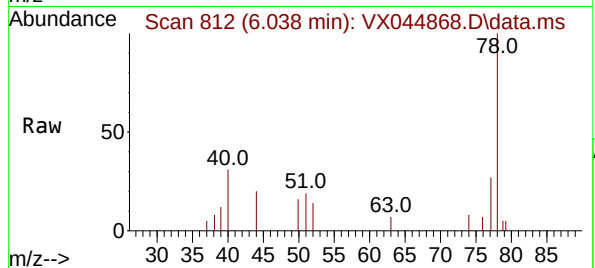
77 26.8 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#41

Methacrylonitrile

Concen: 0.849 ug/l m

RT: 4.958 min Scan# 635

Delta R.T. 0.043 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion: 41 Resp: 1205

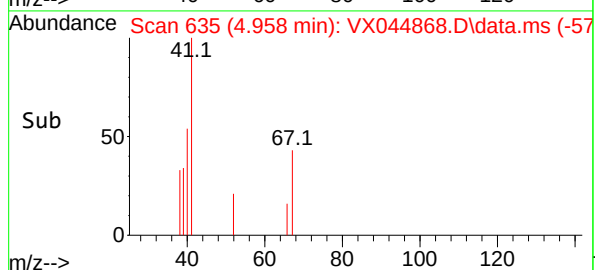
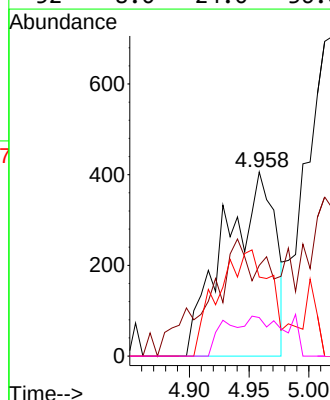
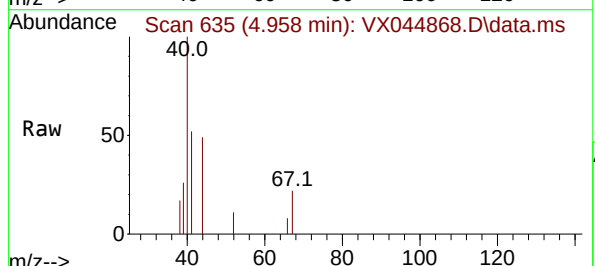
Ion Ratio Lower Upper

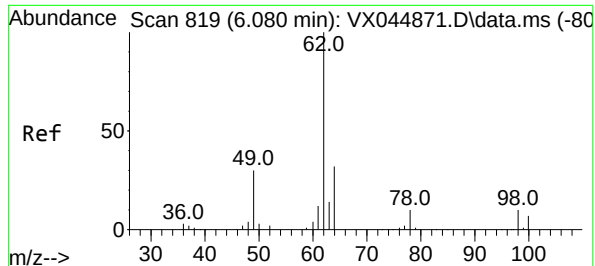
41 100

39 0.0 43.1 64.7#

67 0.0 57.0 85.6#

52 8.0 24.0 36.0#





#42

1,2-Dichloroethane

Concen: 0.894 ug/l

RT: 6.099 min Scan# 819

Delta R.T. 0.019 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 62 Resp: 2120

Ion Ratio Lower Upper

62 100

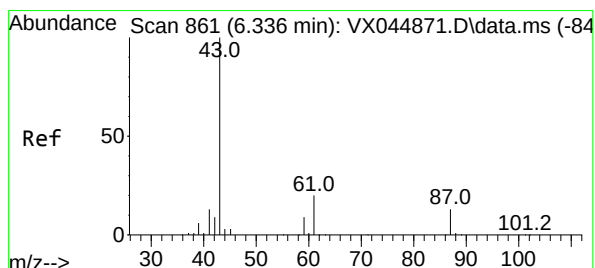
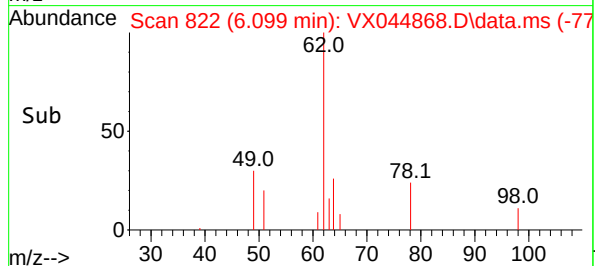
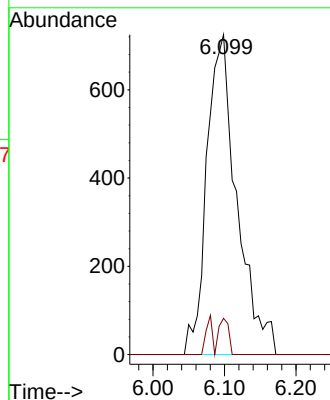
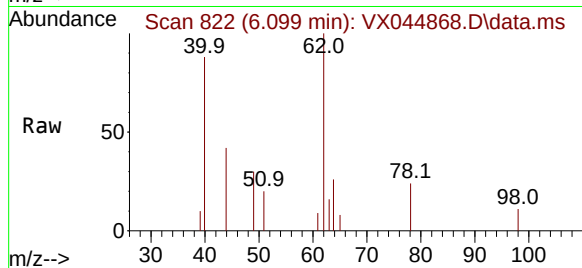
98 3.7 0.0 19.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#43

Isopropyl Acetate

Concen: 0.897 ug/l

RT: 6.355 min Scan# 864

Delta R.T. 0.019 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

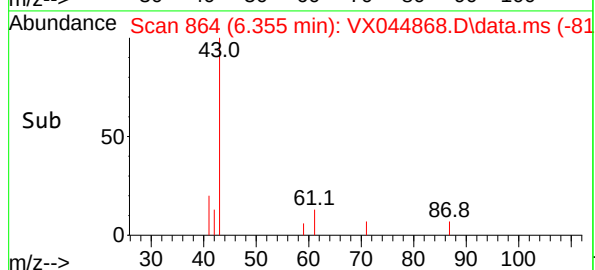
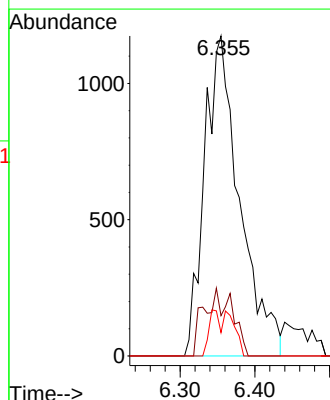
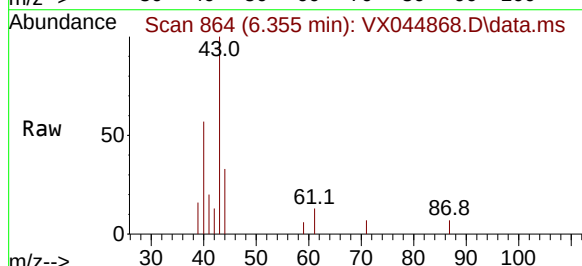
Tgt Ion: 43 Resp: 3839

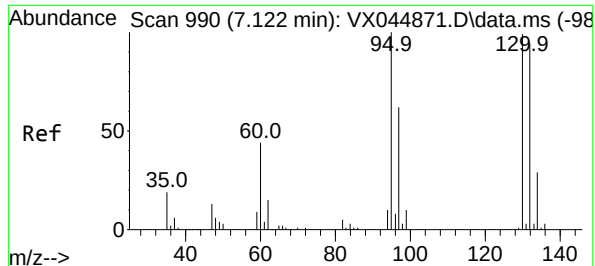
Ion Ratio Lower Upper

43 100

61 16.9 15.8 23.8

87 4.6 10.0 15.0#





#44

Trichloroethene

Concen: 0.874 ug/l

RT: 7.135 min Scan# 990

Delta R.T. 0.013 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:130 Resp: 148

Ion Ratio Lower Upper

130 100

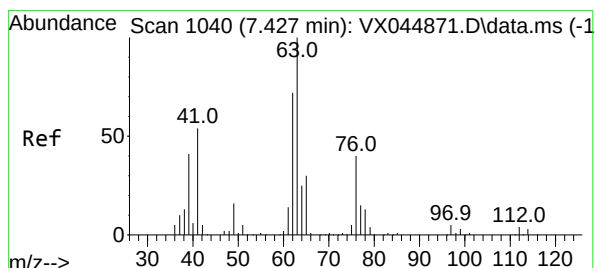
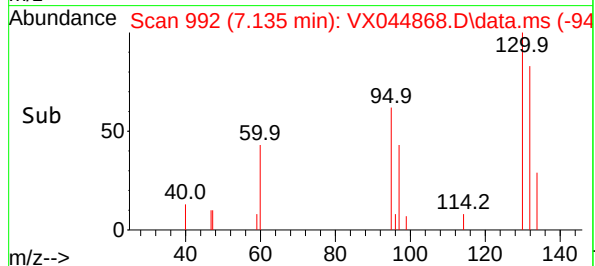
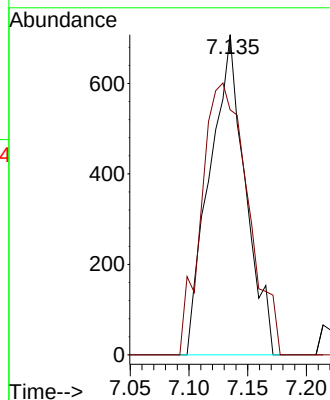
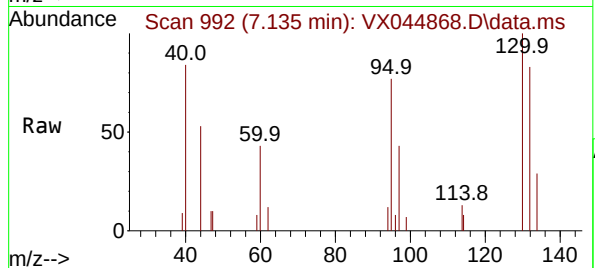
95 76.6 0.0 202.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#45

1,2-Dichloropropane

Concen: 0.943 ug/l

RT: 7.440 min Scan# 1042

Delta R.T. 0.013 min

Lab File: VX044868.D

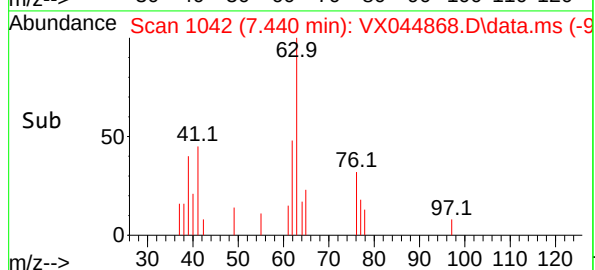
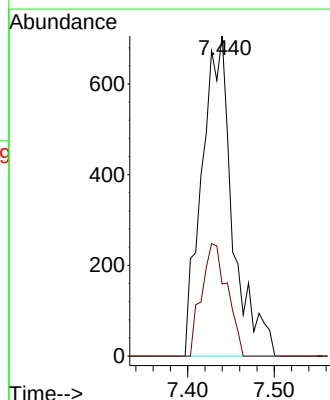
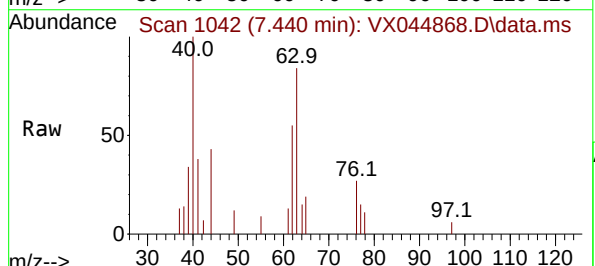
Acq: 10 Feb 2025 10:25

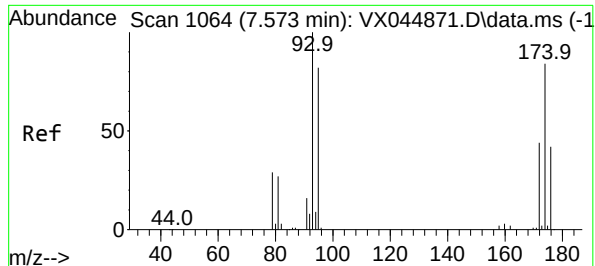
Tgt Ion: 63 Resp: 1746

Ion Ratio Lower Upper

63 100

65 22.5 24.2 36.4#





#46

Dibromomethane

Concen: 0.936 ug/l

RT: 7.592 min Scan# 1106

Delta R.T. 0.019 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 93 Resp: 120

Ion Ratio Lower Upper

93 100

95 84.3 66.2 99.4

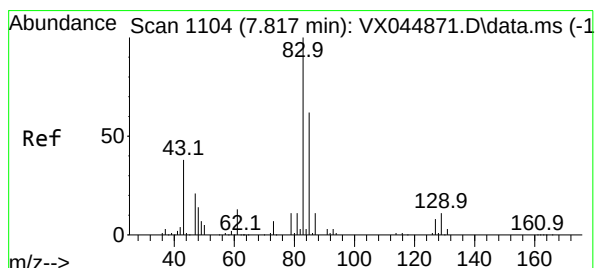
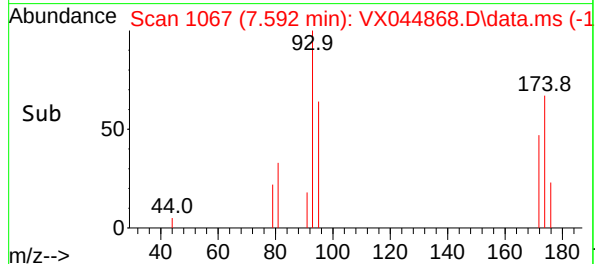
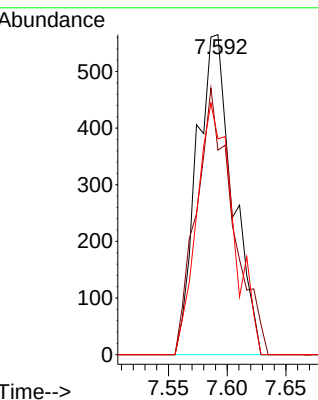
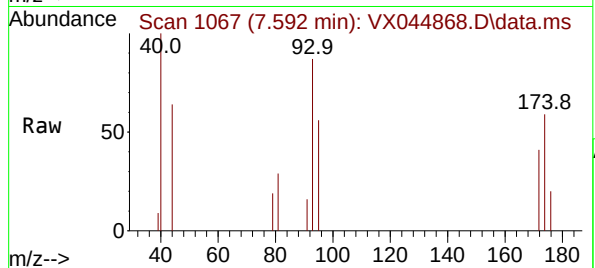
174 79.3 69.9 104.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#47

Bromodichloromethane

Concen: 0.875 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

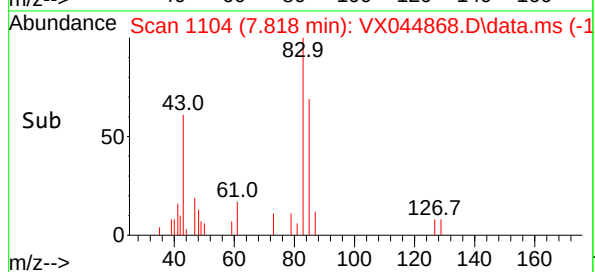
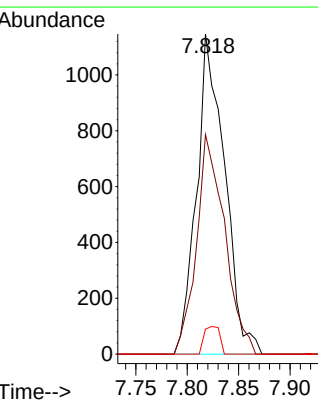
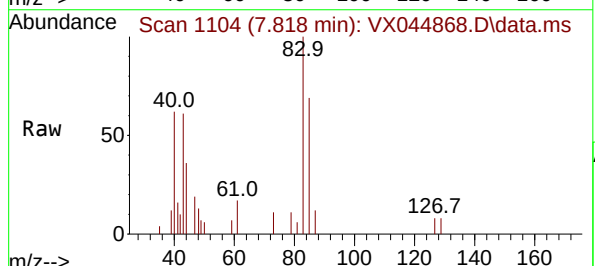
Tgt Ion: 83 Resp: 2176

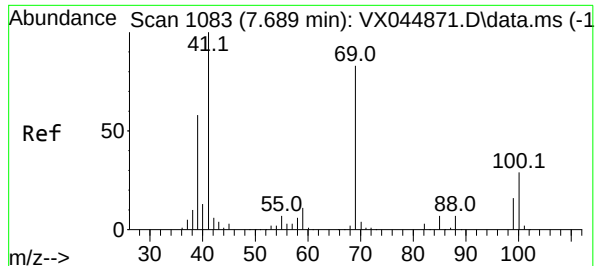
Ion Ratio Lower Upper

83 100

85 68.6 50.0 75.0

127 7.8 6.4 9.6





#48

Methyl methacrylate

Concen: 0.830 ug/l

RT: 7.720 min Scan# 1088

Delta R.T. 0.031 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

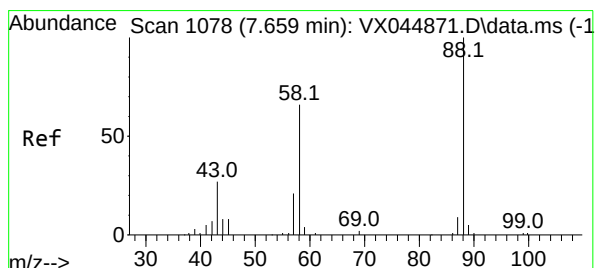
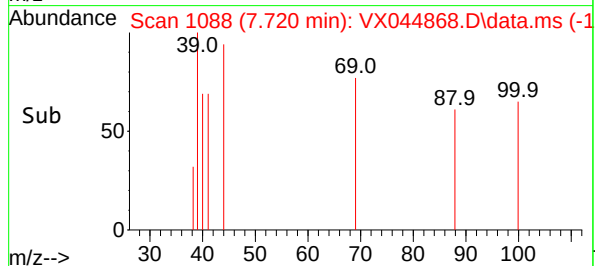
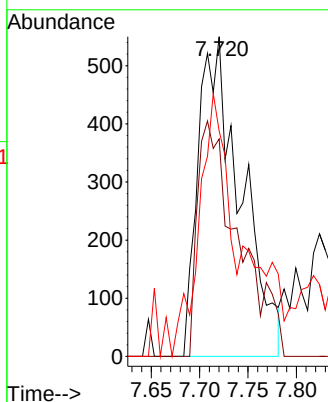
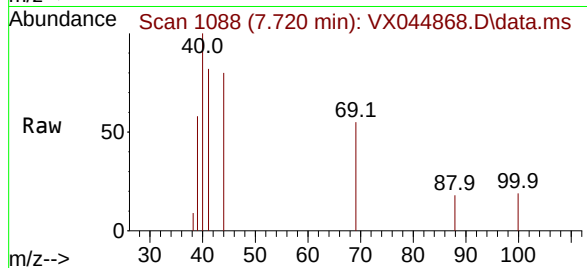
Tgt Ion: 41	Resp: 167
Ion Ratio	Lower Upper
41	100
69	71.8 65.8 98.8
39	55.9 46.4 69.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#49

1,4-Dioxane

Concen: 20.015 ug/l

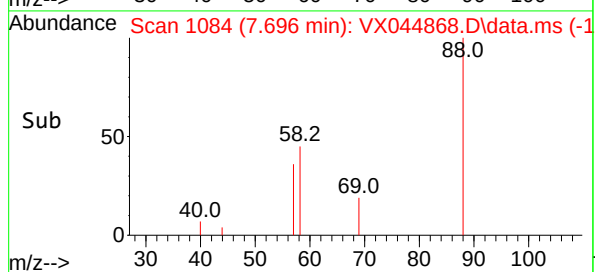
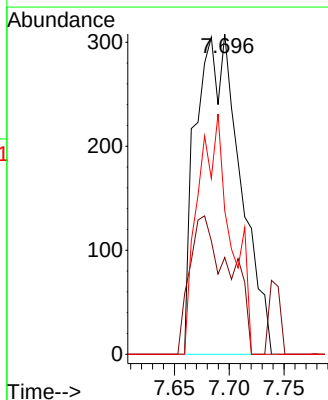
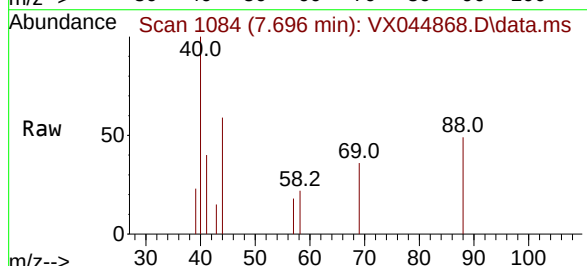
RT: 7.696 min Scan# 1084

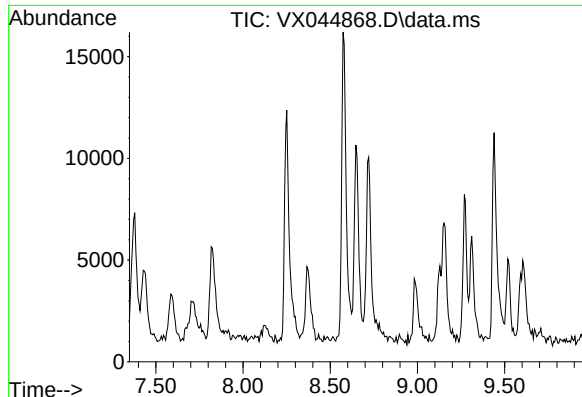
Delta R.T. 0.037 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion: 88	Resp: 867
Ion Ratio	Lower Upper
88	100
43	38.9 26.6 39.8
58	55.5 55.9 83.9





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

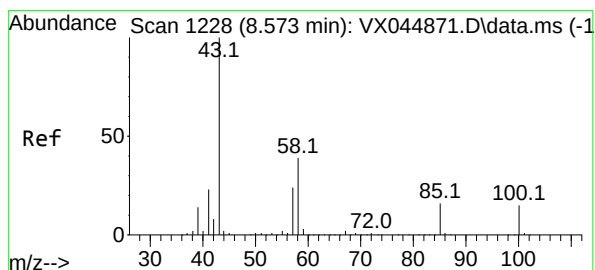
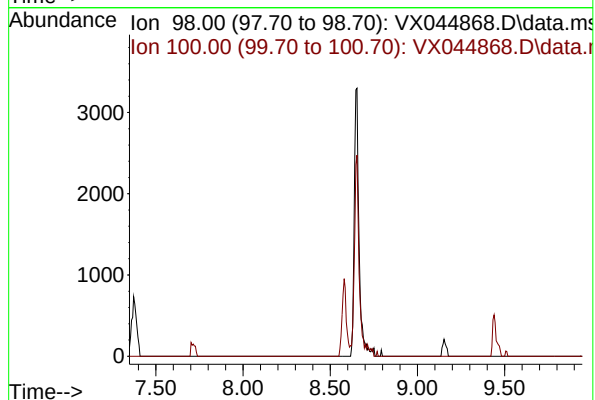
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 98
Sig Exp Ratio
98 100
100 65.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

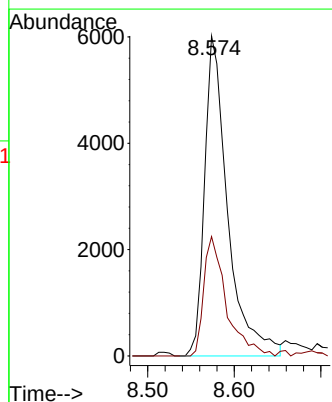
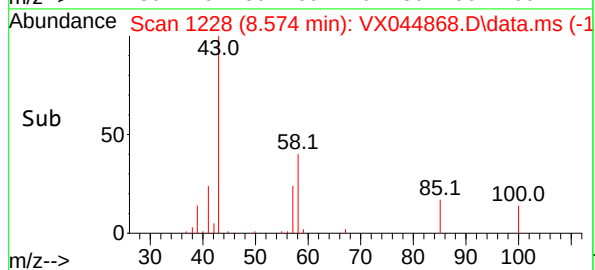
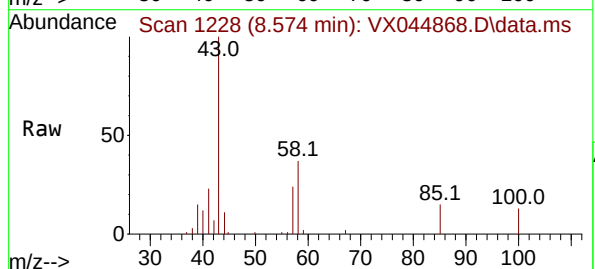
Manual Integrations
APPROVED

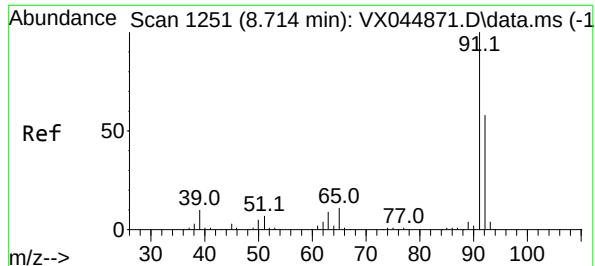
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#51
4-Methyl-2-Pentanone
Concen: 4.290 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 43 Resp: 11169
Ion Ratio Lower Upper
43 100
58 36.3 30.8 46.2





#52

Toluene

Concen: 0.889 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 92 Resp: 394

Ion Ratio Lower Upper

92 100

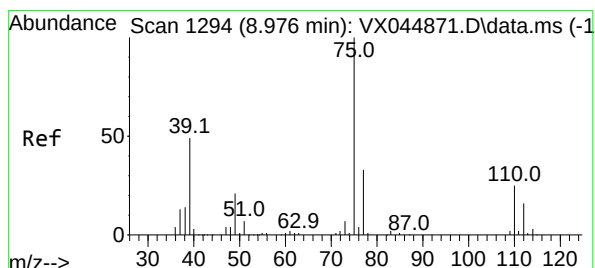
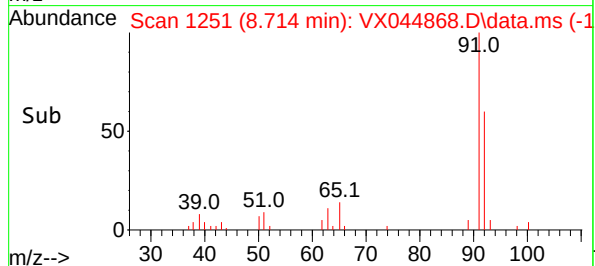
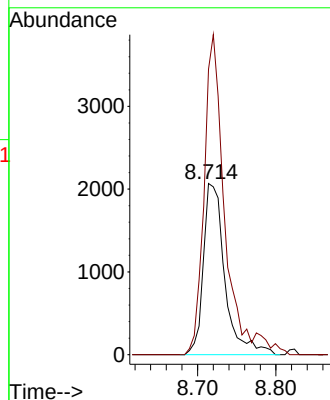
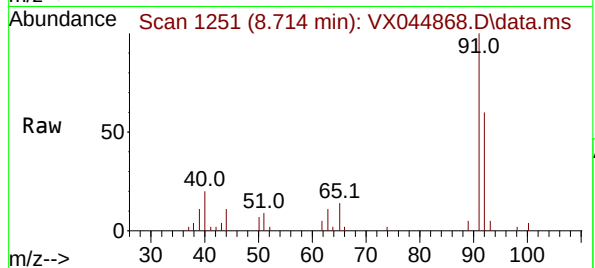
91 171.6 137.4 206.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#53

t-1,3-Dichloropropene

Concen: 0.842 ug/l

RT: 8.994 min Scan# 1297

Delta R.T. 0.019 min

Lab File: VX044868.D

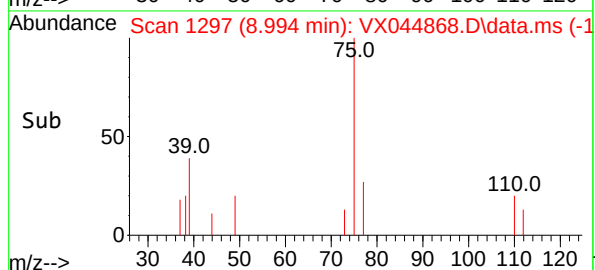
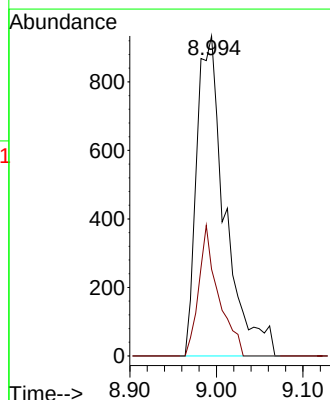
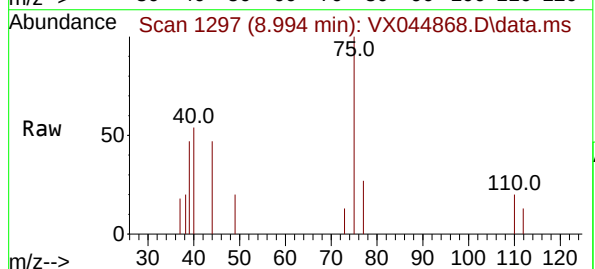
Acq: 10 Feb 2025 10:25

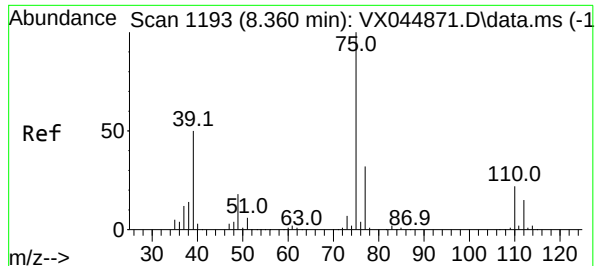
Tgt Ion: 75 Resp: 2119

Ion Ratio Lower Upper

75 100

77 27.1 26.0 39.0





#54

cis-1,3-Dichloropropene

Concen: 0.820 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

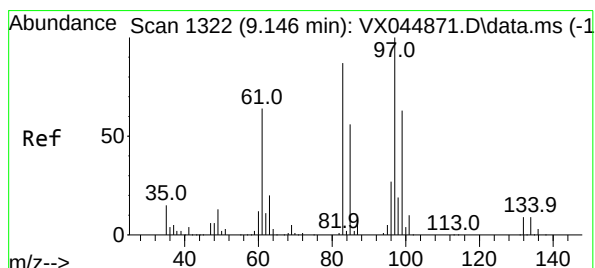
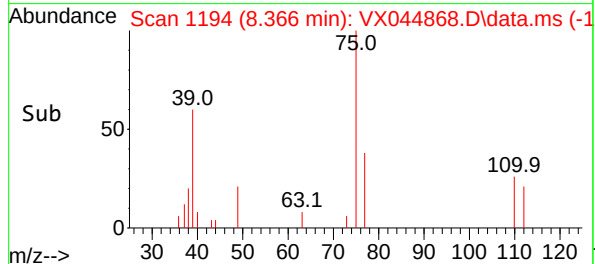
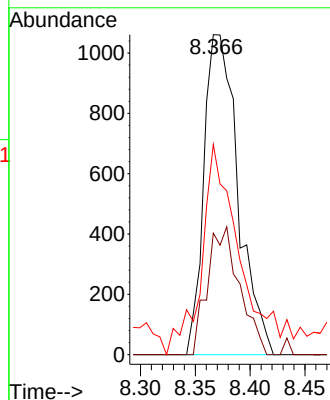
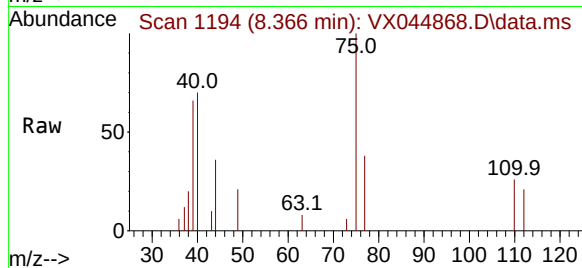
Tgt Ion:	75	Resp:	2300
Ion	Ratio	Lower	Upper
75	100		
77	38.0	25.3	37.9
39	60.3	40.0	60.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#55

1,1,2-Trichloroethane

Concen: 0.914 ug/l

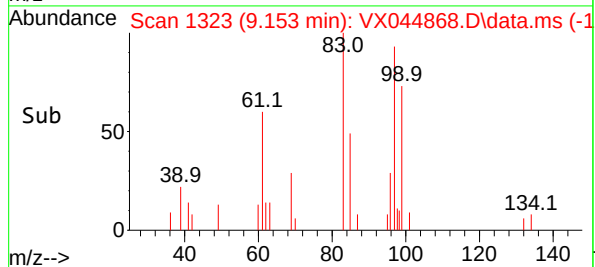
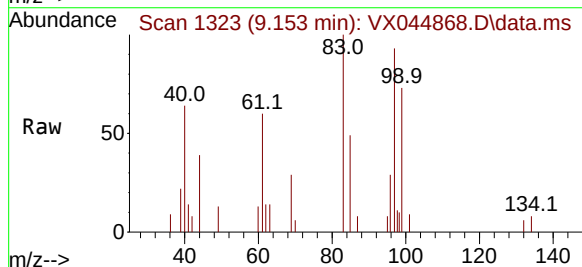
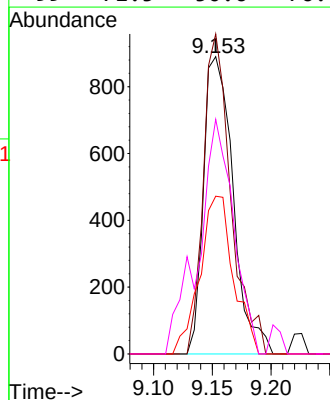
RT: 9.153 min Scan# 1323

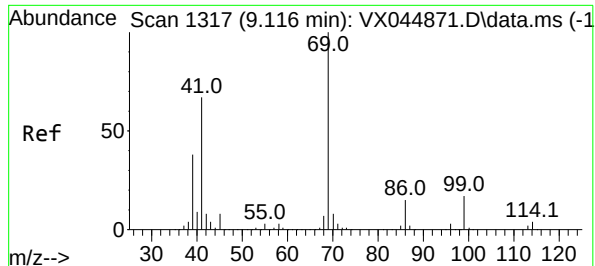
Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion:	97	Resp:	1558
Ion	Ratio	Lower	Upper
97	100		
83	107.6	69.8	104.6
85	53.0	44.8	67.2
99	71.5	50.6	76.0





#56

Ethyl methacrylate

Concen: 0.852 ug/l

RT: 9.128 min Scan# 1319

Delta R.T. 0.013 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

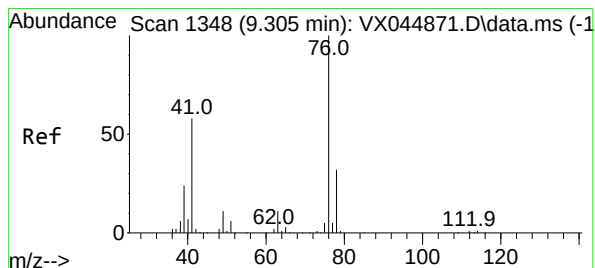
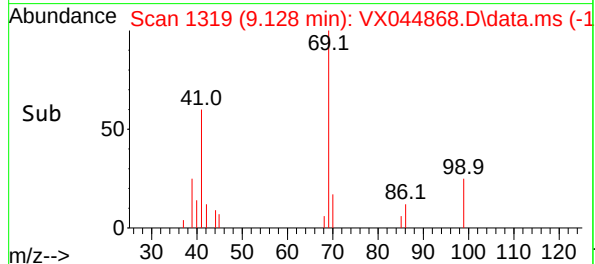
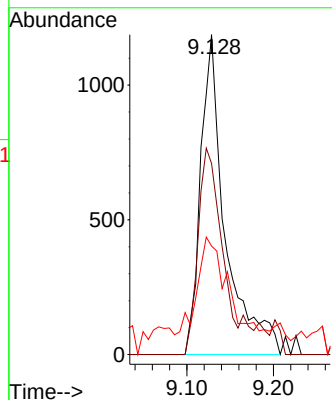
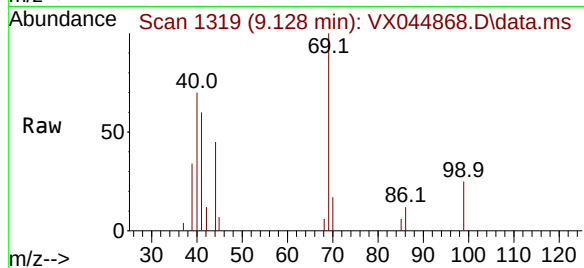
Tgt Ion: 69 Resp: 2340

Ion	Ratio	Lower	Upper
69	100		
41	61.6	55.2	82.8
39	56.2	30.8	46.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#57

1,3-Dichloropropane

Concen: 0.905 ug/l

RT: 9.311 min Scan# 1349

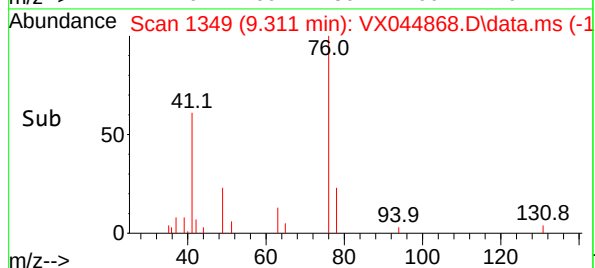
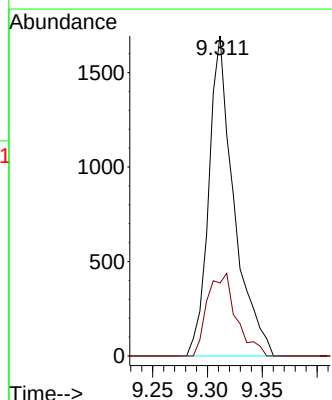
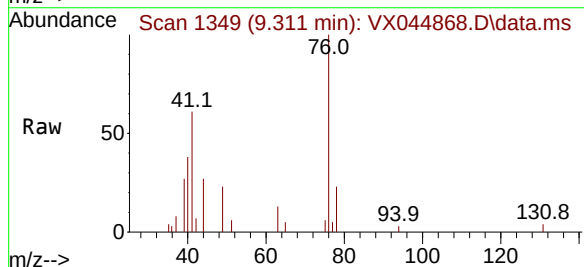
Delta R.T. 0.007 min

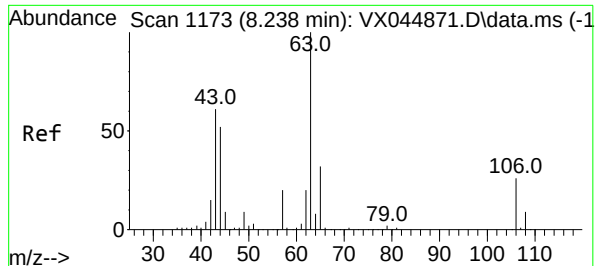
Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion: 76 Resp: 2699

Ion	Ratio	Lower	Upper
76	100		
78	29.6	25.8	38.8





#58

2-Chloroethyl Vinyl ether

Concen: 3.996 ug/l

RT: 8.251 min Scan# 1175

Delta R.T. 0.013 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 63 Resp: 540

Ion Ratio Lower Upper

63 100

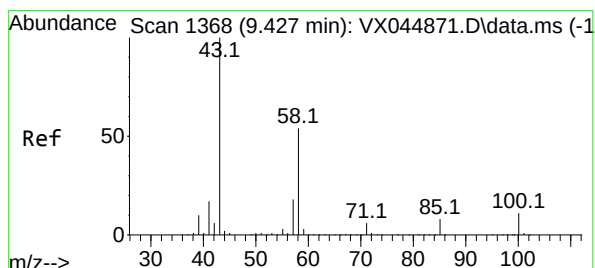
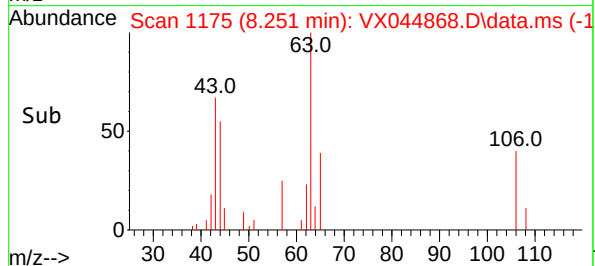
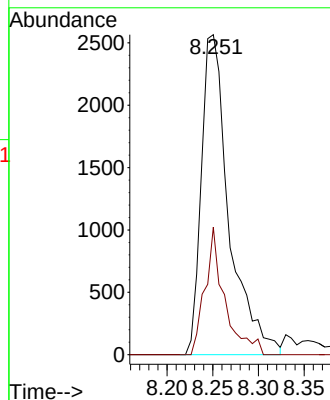
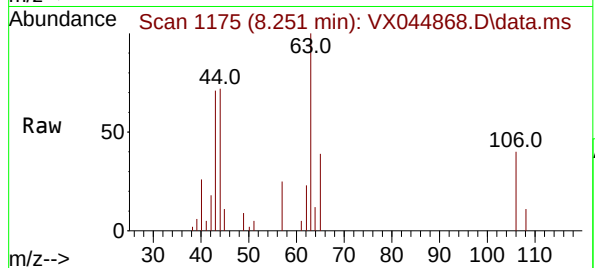
106 28.2 21.3 31.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#59

2-Hexanone

Concen: 4.240 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.013 min

Lab File: VX044868.D

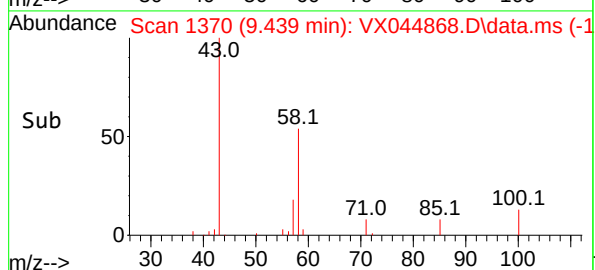
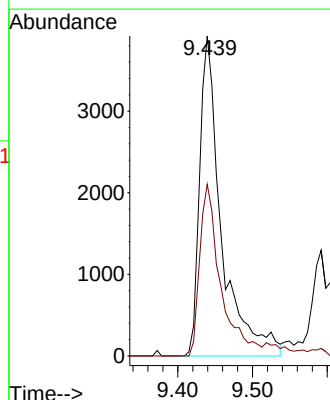
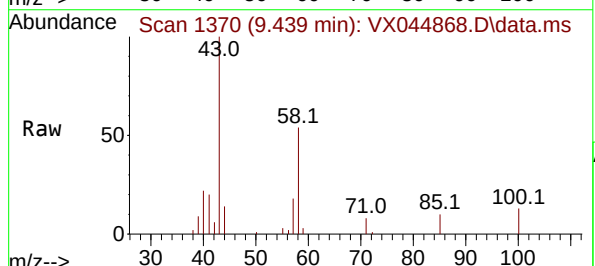
Acq: 10 Feb 2025 10:25

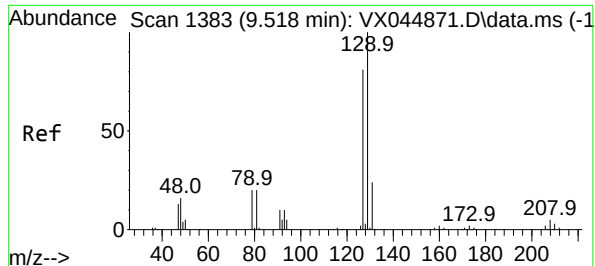
Tgt Ion: 43 Resp: 7952

Ion Ratio Lower Upper

43 100

58 51.3 27.5 82.4





#60

Dibromochloromethane

Concen: 0.885 ug/l

RT: 9.525 min Scan# 1383

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:129 Resp: 161

Ion Ratio Lower Upper

129 100

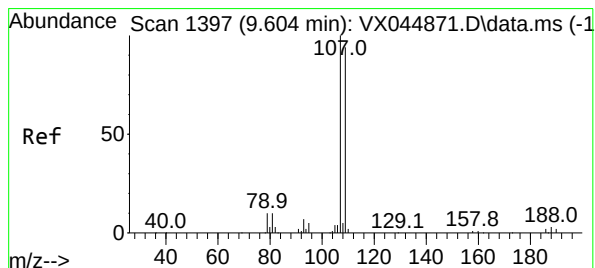
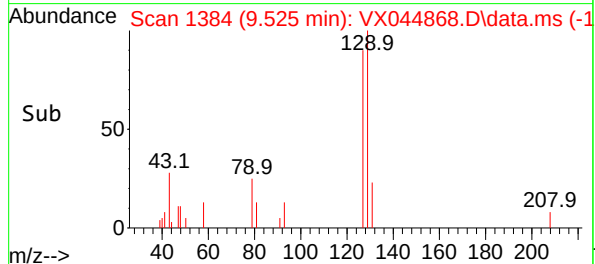
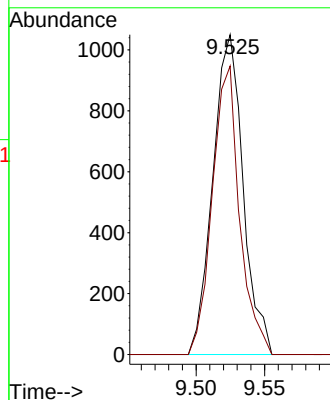
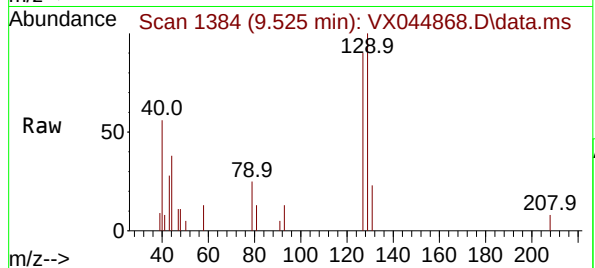
127 81.3 39.1 117.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#61

1,2-Dibromoethane

Concen: 0.888 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VX044868.D

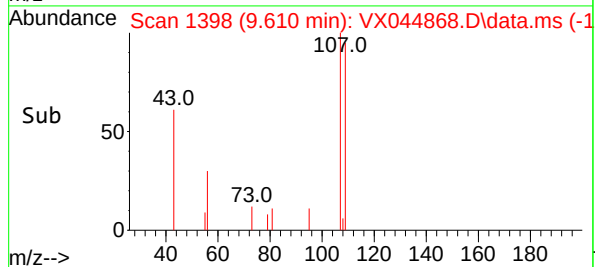
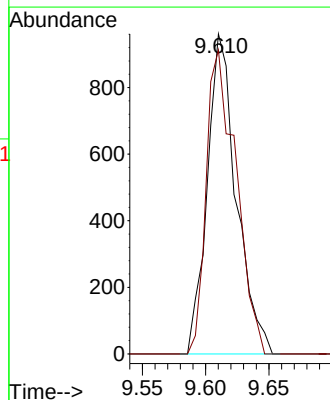
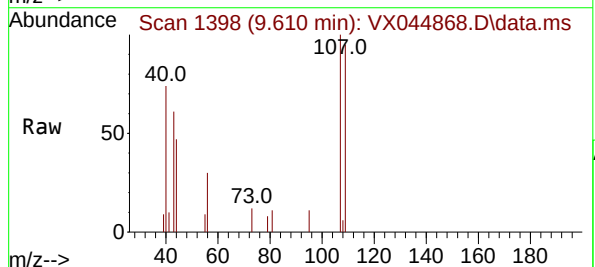
Acq: 10 Feb 2025 10:25

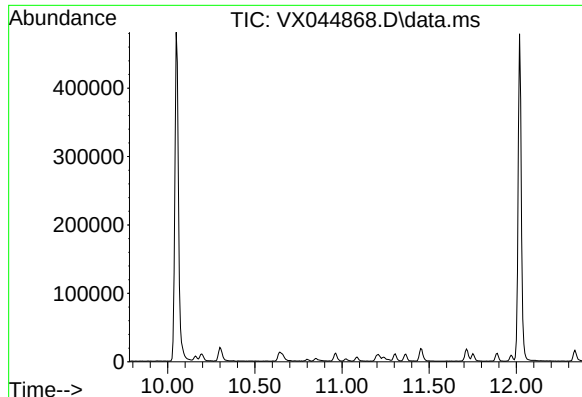
Tgt Ion:107 Resp: 1534

Ion Ratio Lower Upper

107 100

109 97.4 75.9 113.9





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

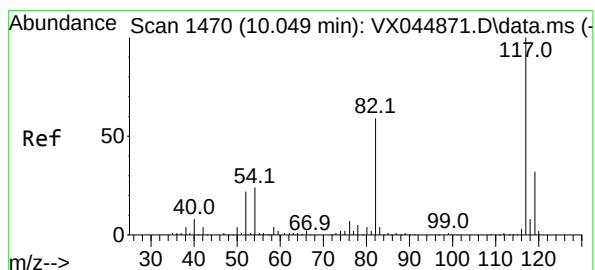
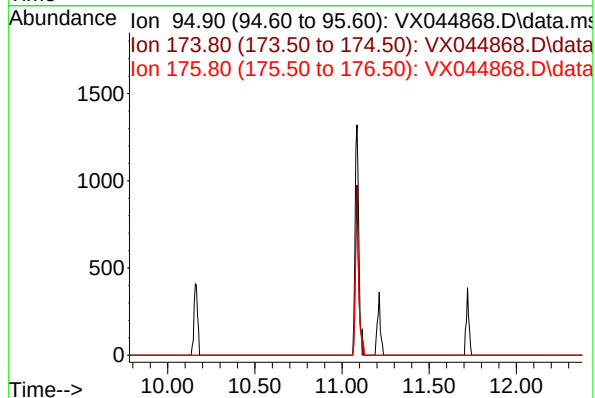
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 95
Sig Exp Ratio
95 100
174 71.3
176 70.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

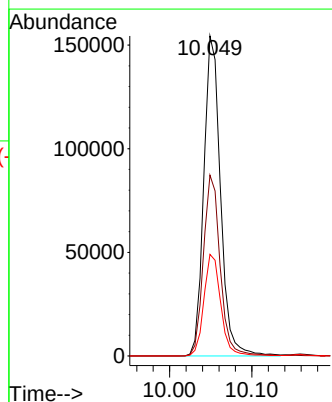
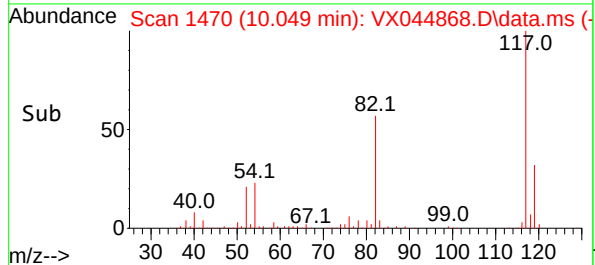
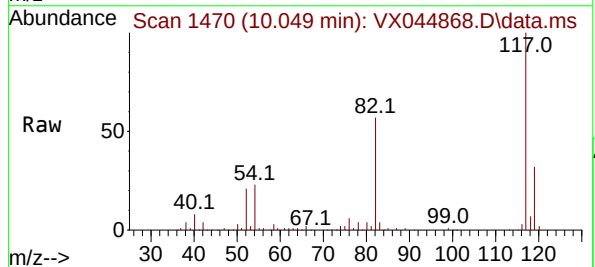
Manual Integrations
APPROVED

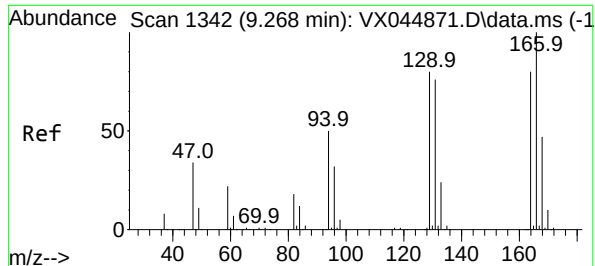
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:117 Resp: 218570
Ion Ratio Lower Upper
117 100
82 56.5 47.5 71.3
119 31.8 25.4 38.0





#64

Tetrachloroethene

Concen: 0.971 ug/l

RT: 9.275 min Scan# 1342

Delta R.T. 0.007 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:164 Resp: 1339

Ion Ratio Lower Upper

164 100

166 120.8 100.4 150.6

129 82.1 79.9 119.9

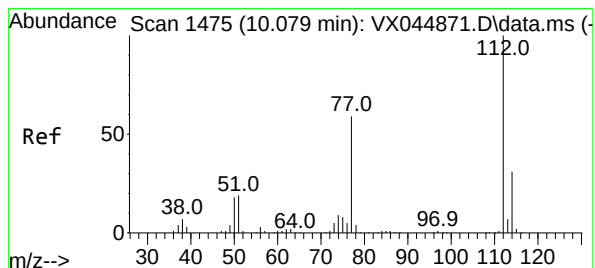
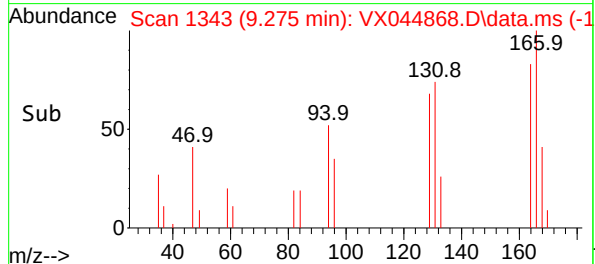
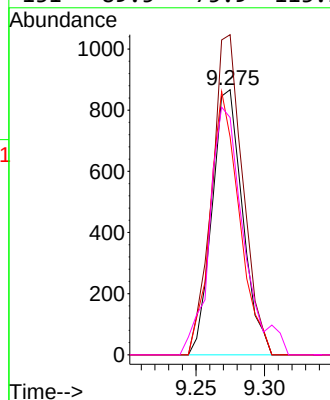
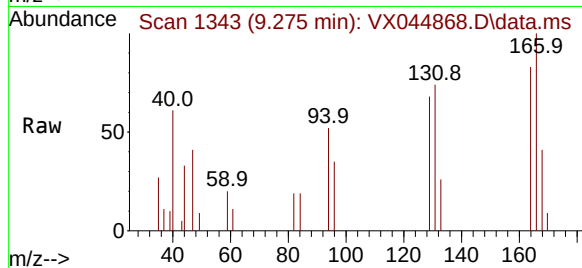
131 89.5 75.9 113.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#65

Chlorobenzene

Concen: 0.902 ug/l

RT: 10.080 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX044868.D

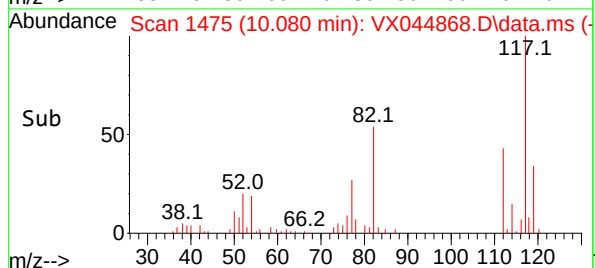
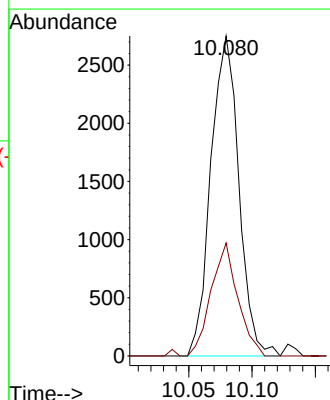
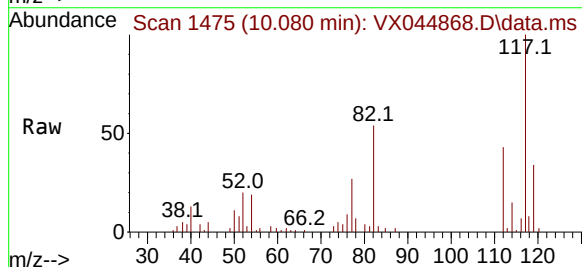
Acq: 10 Feb 2025 10:25

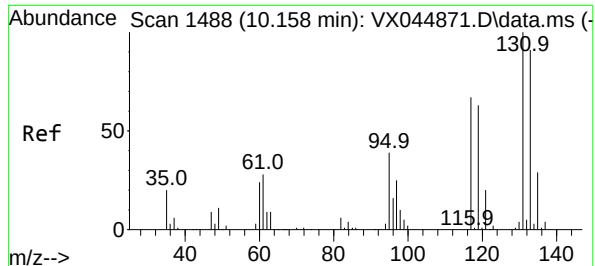
Tgt Ion:112 Resp: 4234

Ion Ratio Lower Upper

112 100

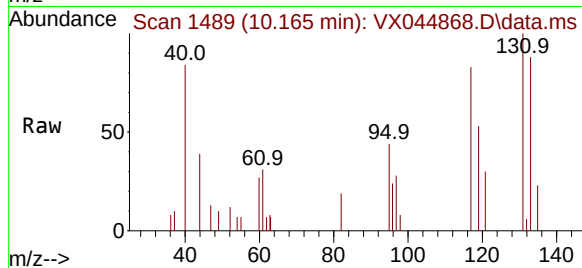
114 35.3 25.0 37.6





#66
1,1,1,2-Tetrachloroethane
Concen: 0.874 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

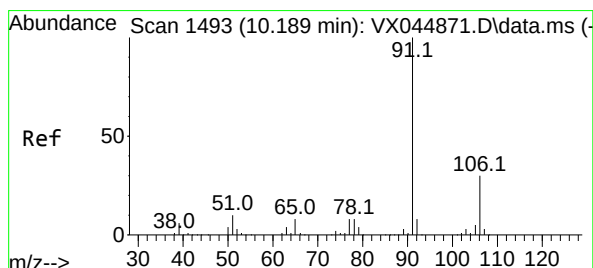
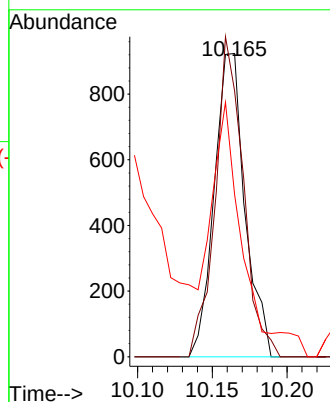
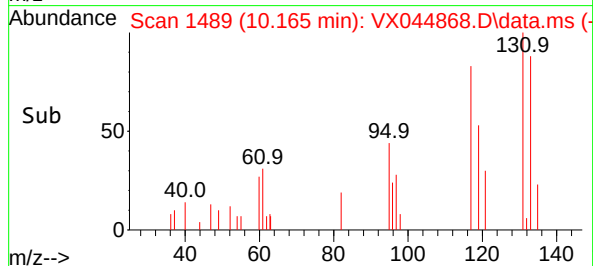
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion:131 Resp: 1320
Ion Ratio Lower Upper
131 100
133 96.0 47.1 141.3
119 0.0 33.6 100.6

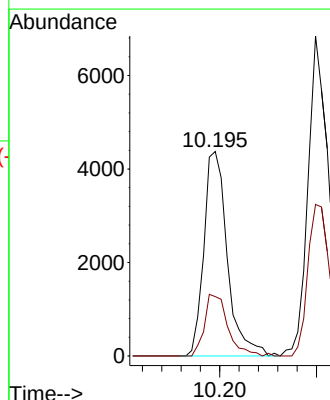
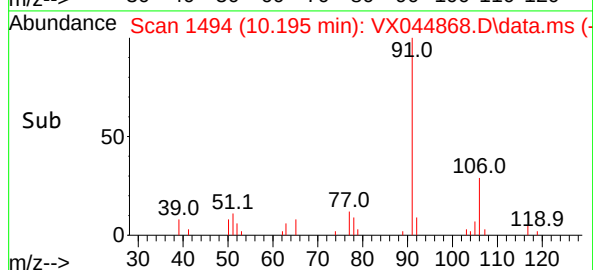
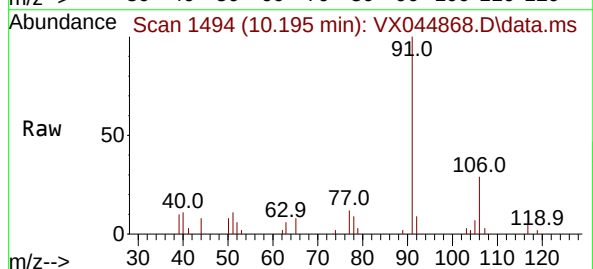
Manual Integrations
APPROVED

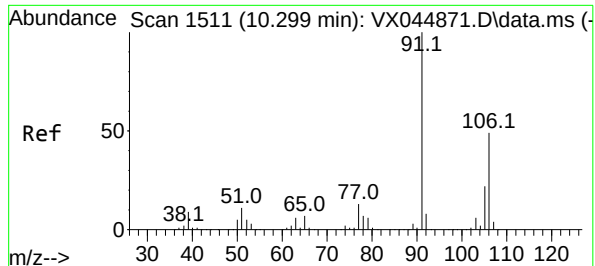
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#67
Ethyl Benzene
Concen: 0.892 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 91 Resp: 7388
Ion Ratio Lower Upper
91 100
106 29.0 23.9 35.9





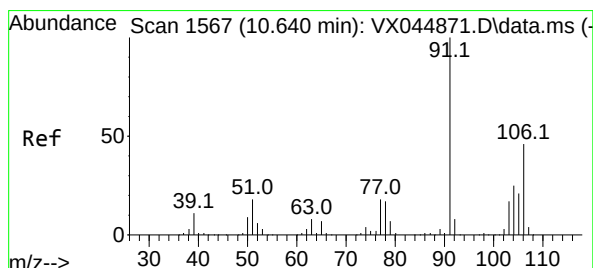
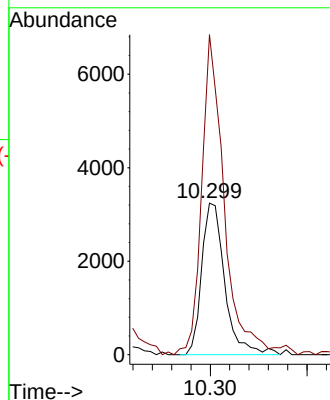
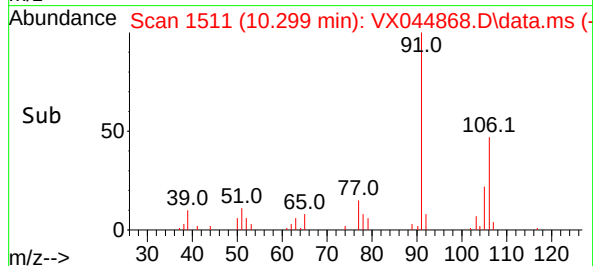
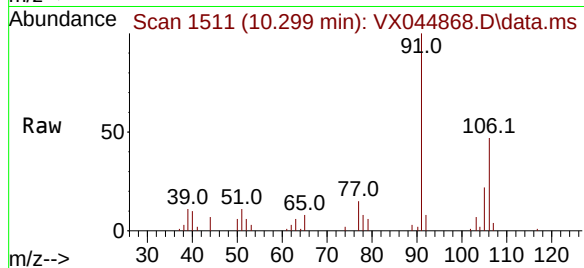
#68
m/p-Xylenes
Concen: 1.763 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion:106 Resp: 538
Ion Ratio Lower Upper
106 100
91 204.7 164.3 246.5

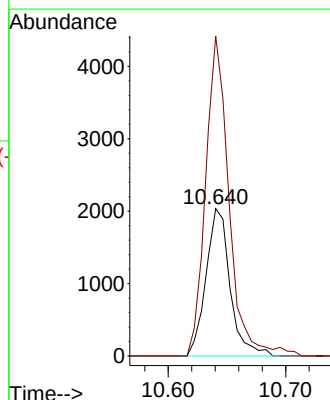
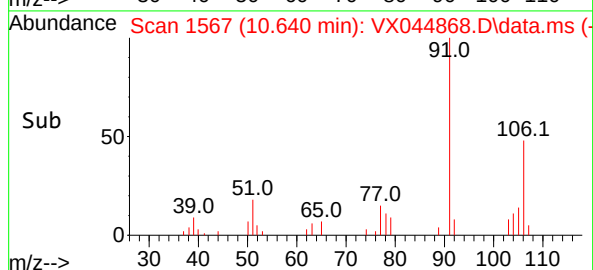
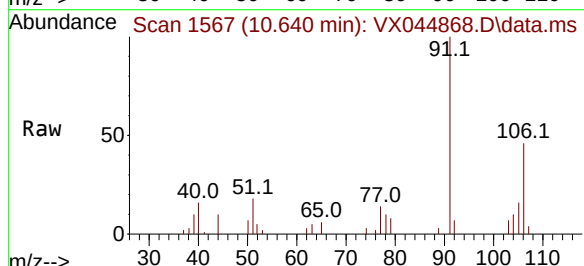
Manual Integrations
APPROVED

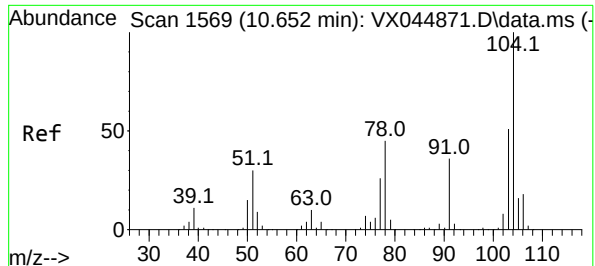
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#69
o-Xylene
Concen: 0.942 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:106 Resp: 2889
Ion Ratio Lower Upper
106 100
91 211.5 108.5 325.5





#70

Styrene

Concen: 0.804 ug/l

RT: 10.659 min Scan# 1569

Delta R.T. 0.007 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

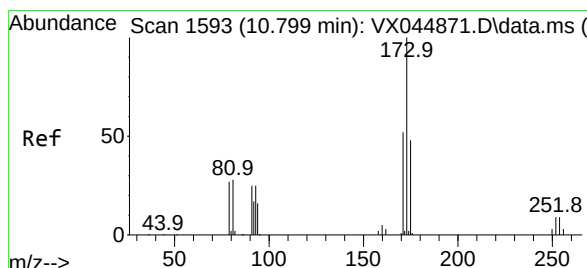
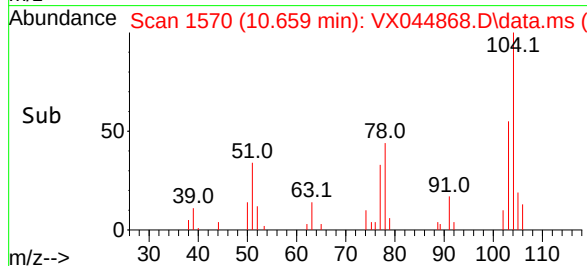
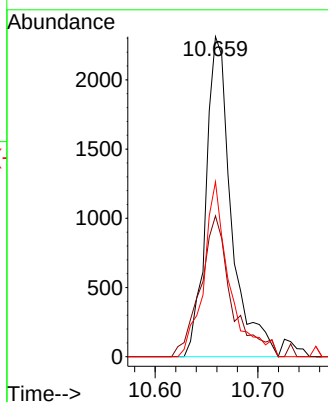
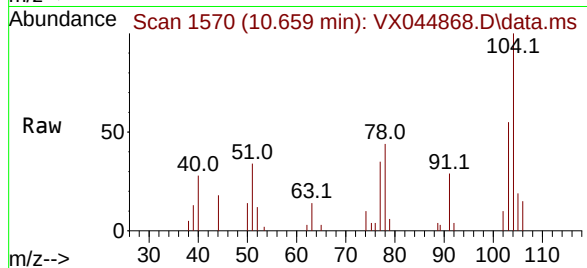
ClientSampleId :

VSTDIC001

Tgt Ion:104	Resp:	3974
Ion Ratio	Lower	Upper
104	100	
78	54.1	40.5 60.7
103	55.0	43.6 65.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#71

Bromoform

Concen: 0.721 ug/l

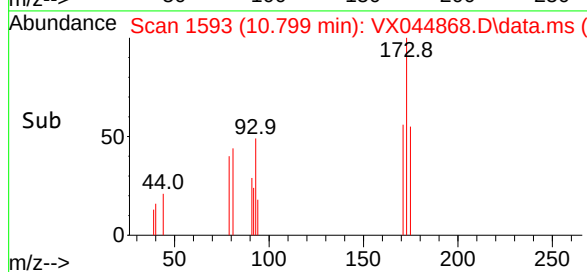
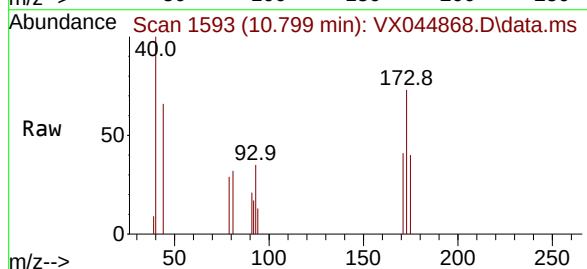
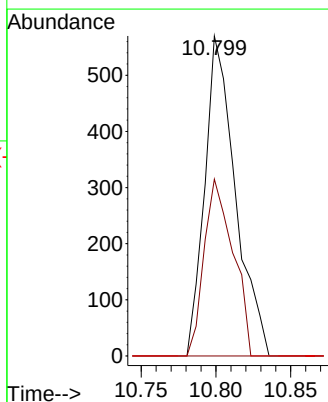
RT: 10.799 min Scan# 1593

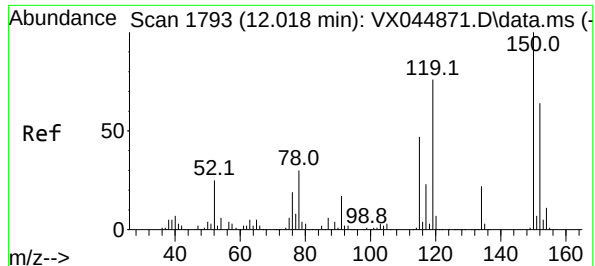
Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion:173	Resp:	813
Ion Ratio	Lower	Upper
173	100	
175	52.2	24.3 72.8
254	0.0	0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:152 Resp: 9073

Ion Ratio Lower Upper

152 100

115 62.0 43.4 130.1

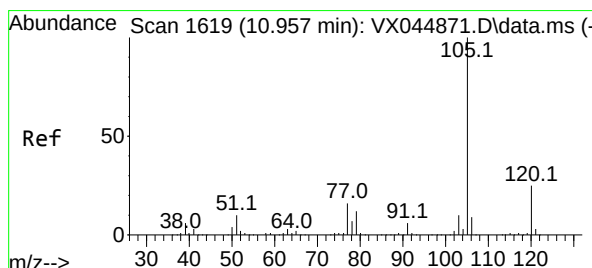
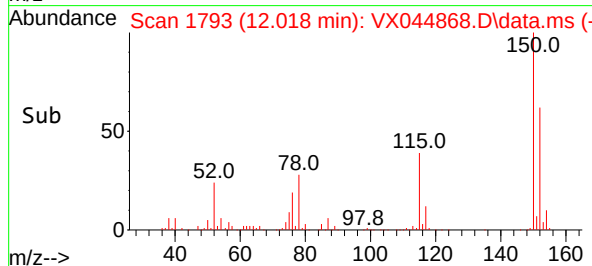
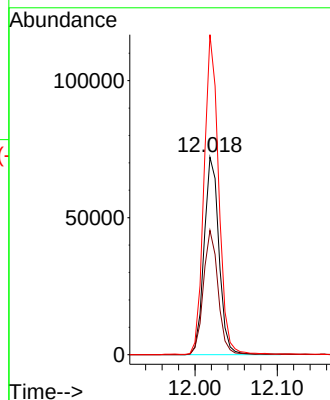
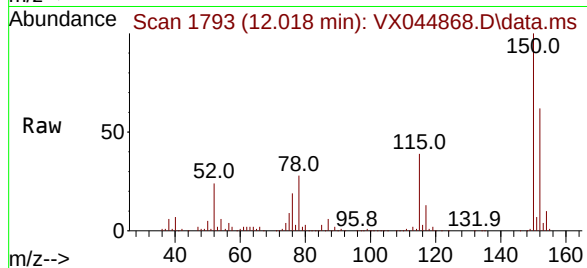
150 158.6 0.0 350.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#73

Isopropylbenzene

Concen: 0.928 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.007 min

Lab File: VX044868.D

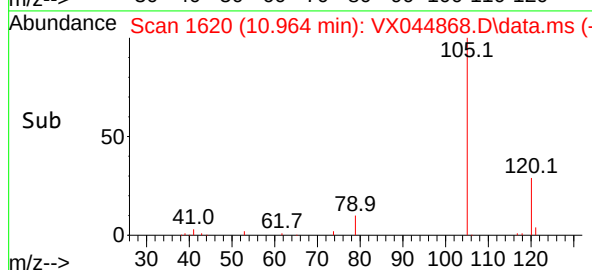
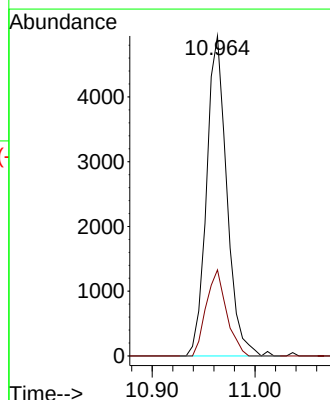
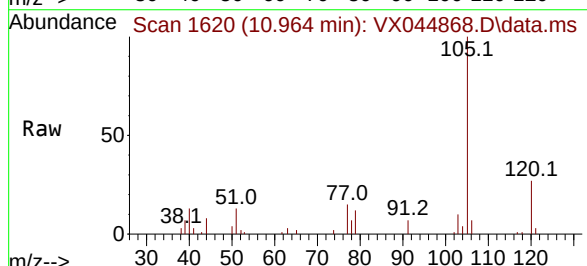
Acq: 10 Feb 2025 10:25

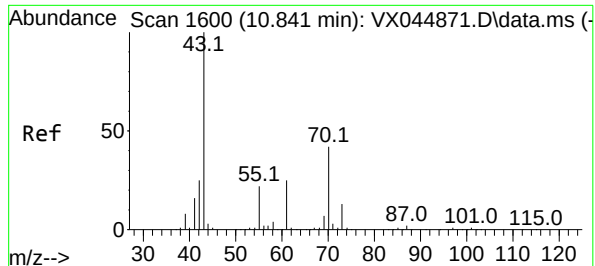
Tgt Ion:105 Resp: 6778

Ion Ratio Lower Upper

105 100

120 27.0 13.2 39.5





#74

N-amy1 acetate

Concen: 0.785 ug/l

RT: 10.848 min Scan# 1601

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

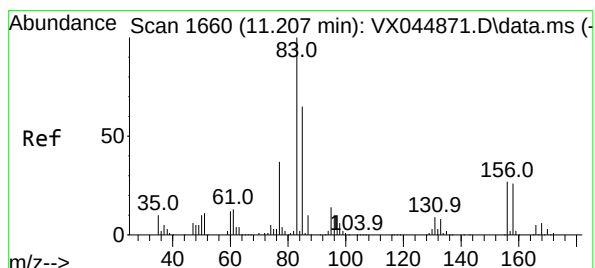
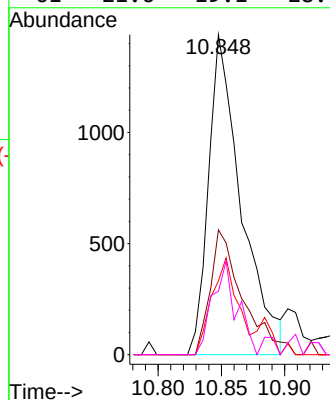
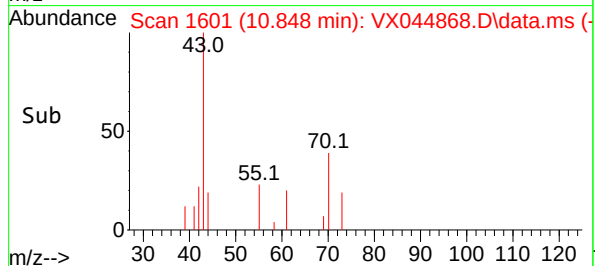
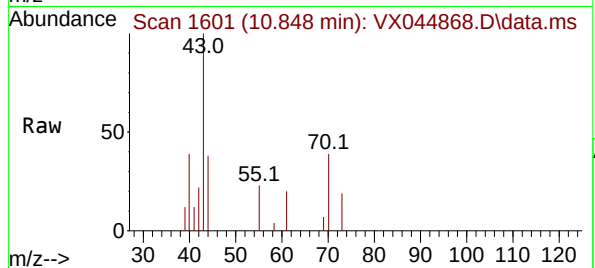
Tgt Ion: 43	Resp: 2590
Ion Ratio	Lower Upper
43 100	
70 38.8	33.7 50.5
55 25.2	18.6 27.8
61 21.6	19.1 28.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#75

1,1,2,2-Tetrachloroethane

Concen: 1.033 ug/l

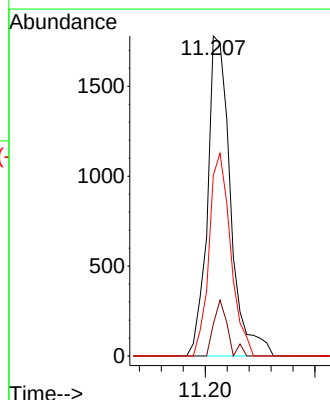
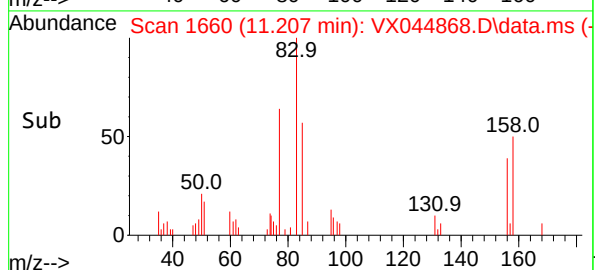
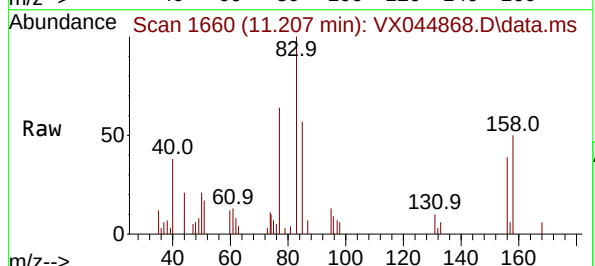
RT: 11.207 min Scan# 1660

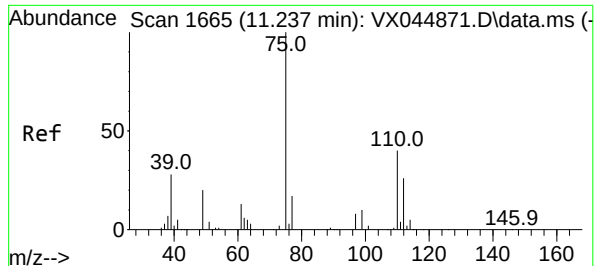
Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion: 83	Resp: 2594
Ion Ratio	Lower Upper
83 100	
131 10.5	4.5 13.5
85 59.2	32.3 96.8





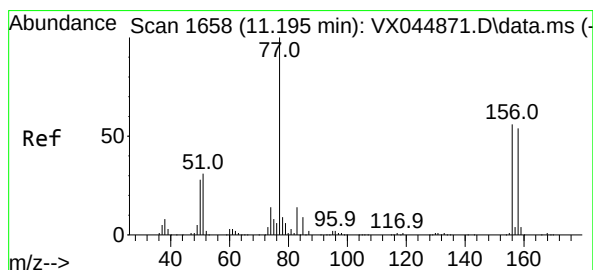
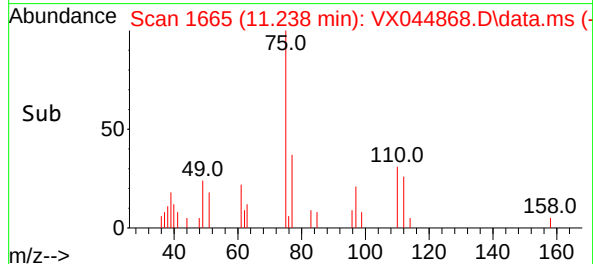
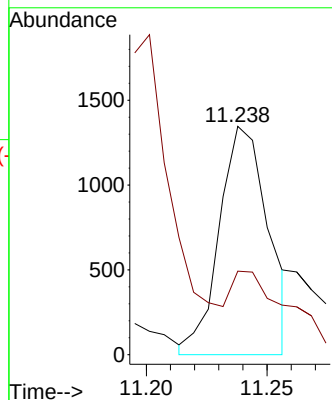
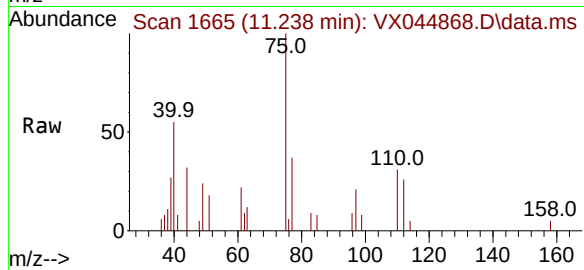
#76
1,2,3-Trichloropropane
Concen: 0.943 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 1898
Ion Ratio Lower Upper
75 100
77 43.4 21.9 65.7

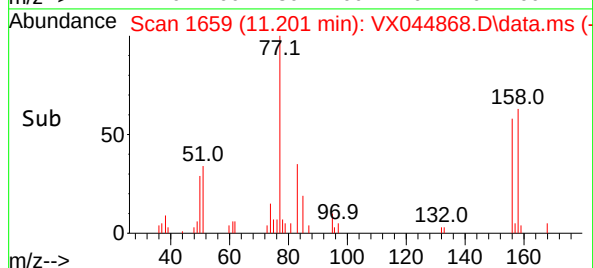
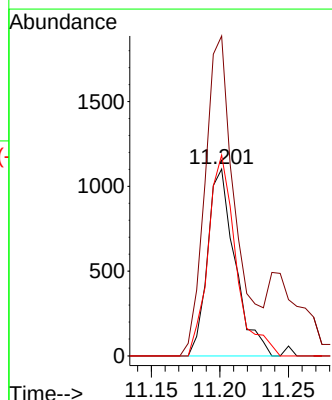
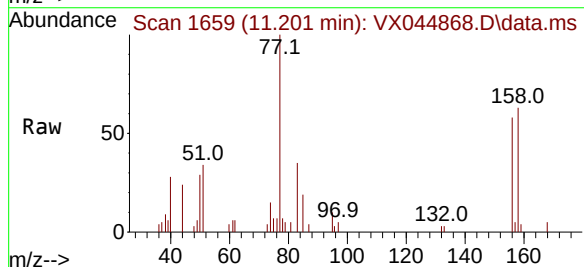
Manual Integrations
APPROVED

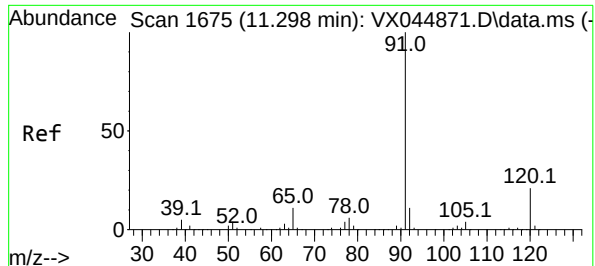
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#77
Bromobenzene
Concen: 0.928 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:156 Resp: 1537
Ion Ratio Lower Upper
156 100
77 188.7 88.4 265.3
158 108.6 48.4 145.2





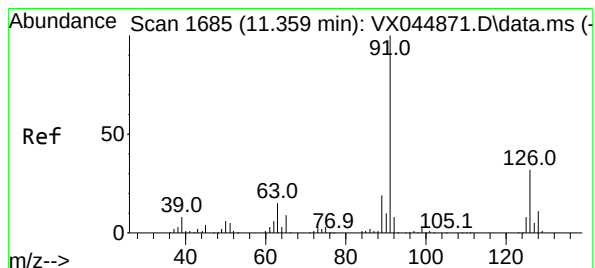
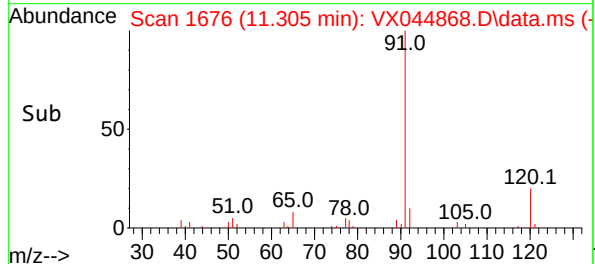
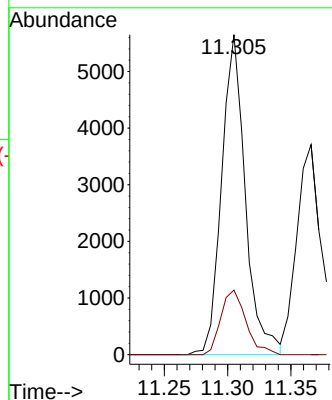
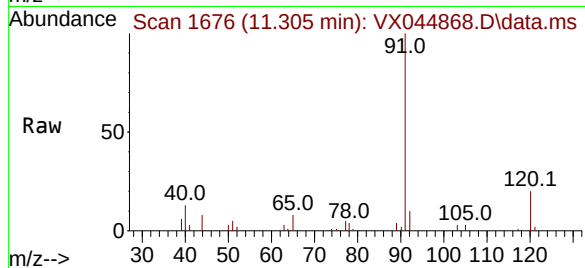
#78
n-propylbenzene
Concen: 0.871 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 734
Ion Ratio Lower Upper
91 100
120 21.4 11.1 33.3

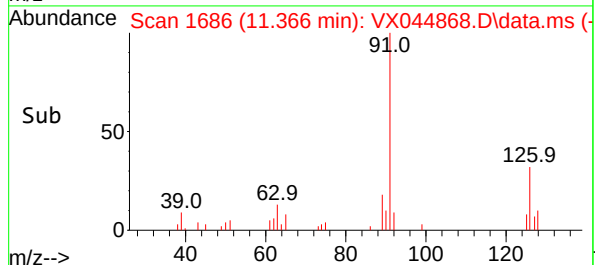
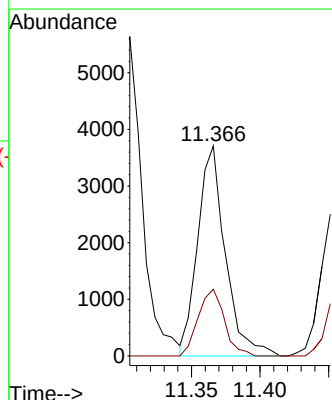
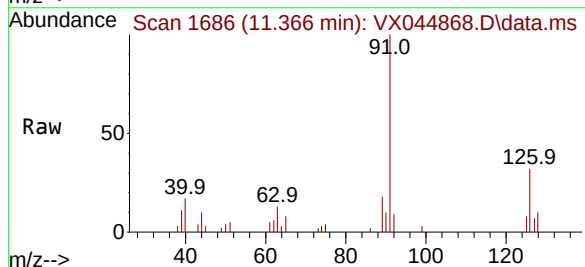
Manual Integrations
APPROVED

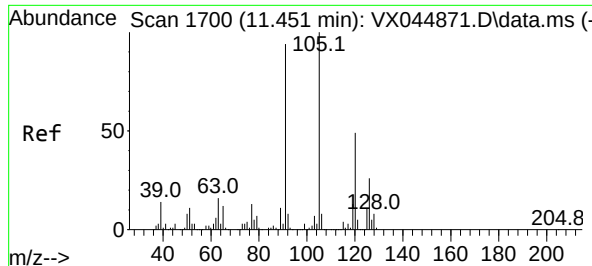
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#79
2-Chlorotoluene
Concen: 1.001 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 91 Resp: 5188
Ion Ratio Lower Upper
91 100
126 30.1 16.2 48.6





#80

1,3,5-Trimethylbenzene

Concen: 0.913 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion:105 Resp: 5410

Ion Ratio Lower Upper

105 100

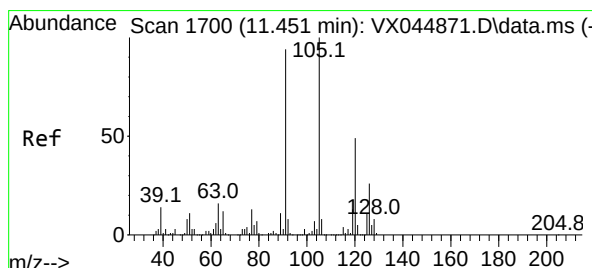
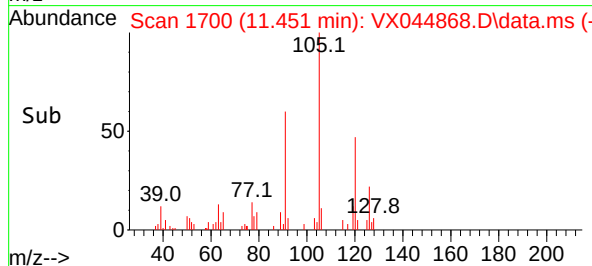
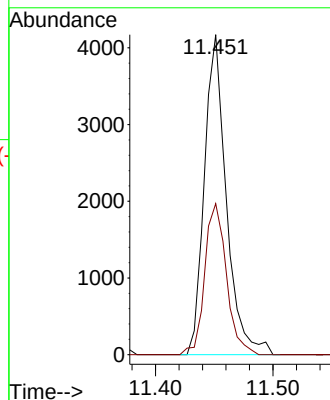
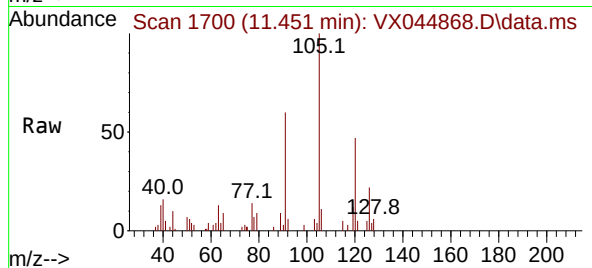
120 46.7 24.0 72.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#82

4-Chlorotoluene

Concen: 0.936 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX044868.D

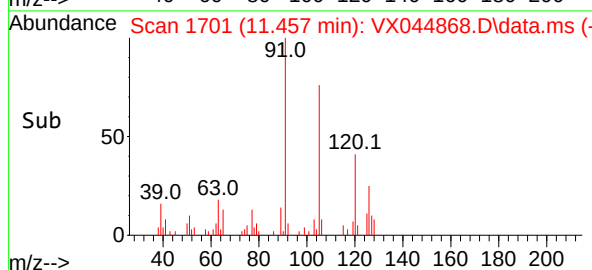
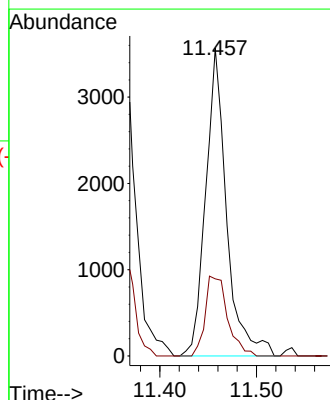
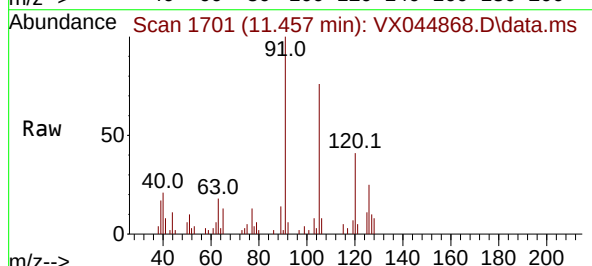
Acq: 10 Feb 2025 10:25

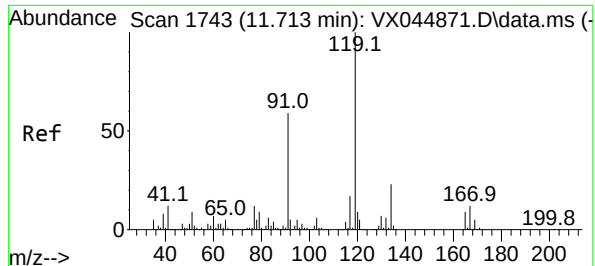
Tgt Ion: 91 Resp: 5367

Ion Ratio Lower Upper

91 100

126 27.7 14.2 42.6





#83

tert-Butylbenzene

Concen: 0.937 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

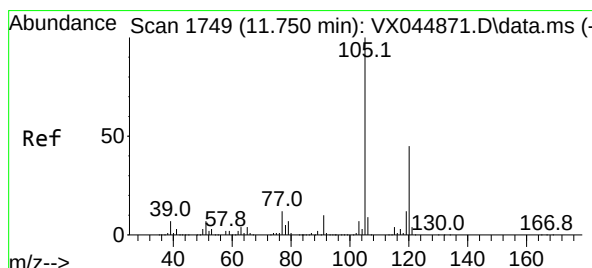
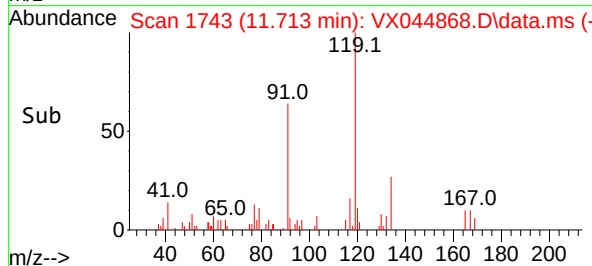
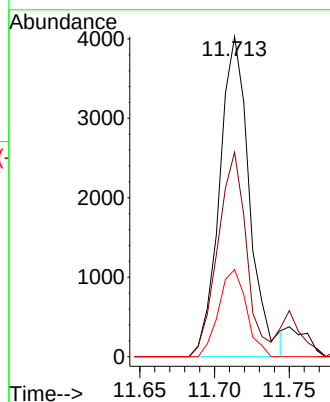
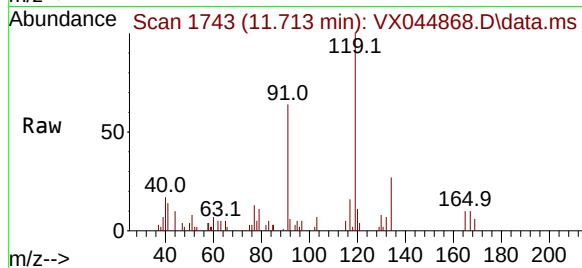
VSTDIC001

Tgt Ion:	119	Resp:	5620
Ion	Ratio	Lower	Upper
119	100		
91	61.3	29.1	87.4
134	25.2	11.5	34.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#84

1,2,4-Trimethylbenzene

Concen: 0.833 ug/l

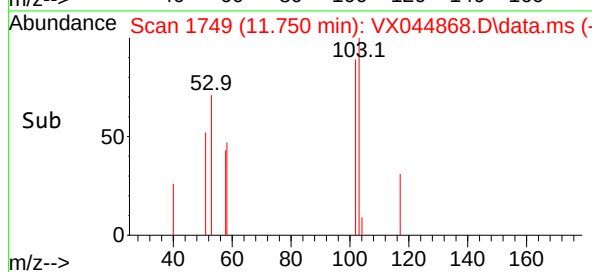
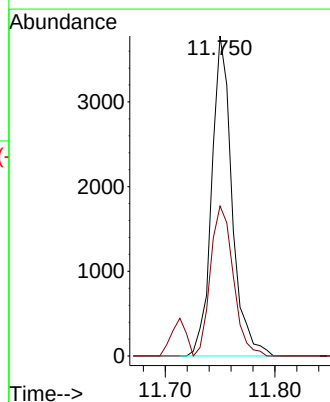
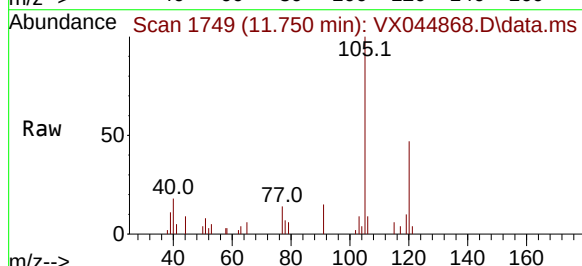
RT: 11.750 min Scan# 1749

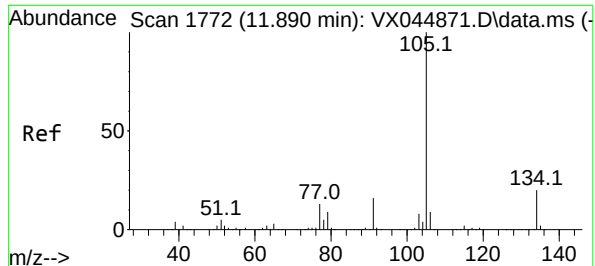
Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion:	105	Resp:	4876
Ion	Ratio	Lower	Upper
105	100		
120	52.4	22.4	67.0





#85

sec-Butylbenzene

Concen: 0.902 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion:105 Resp: 6700

Ion Ratio Lower Upper

105 100

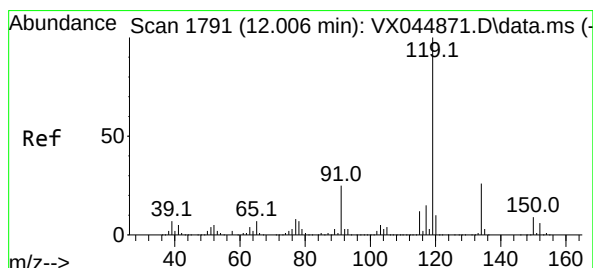
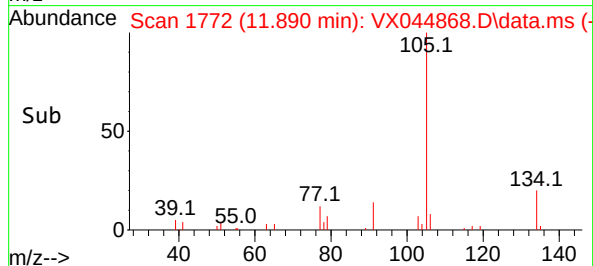
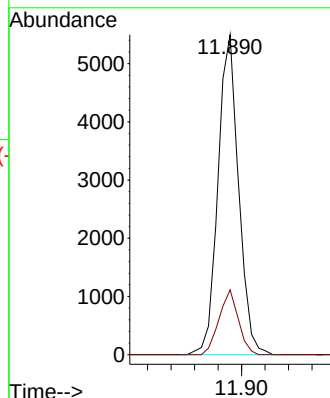
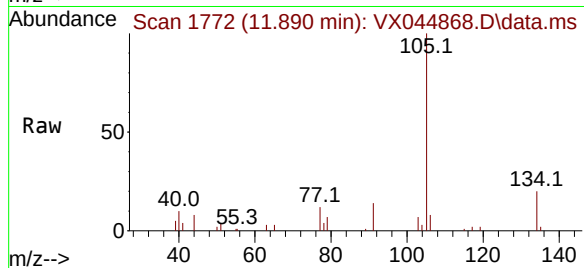
134 19.0 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#86

p-Isopropyltoluene

Concen: 0.864 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

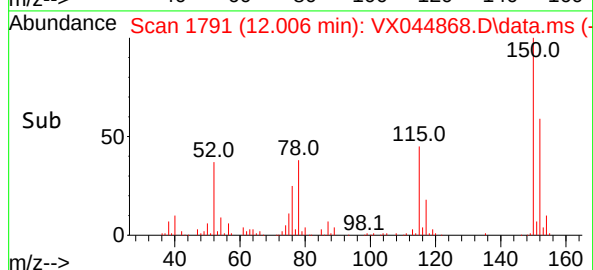
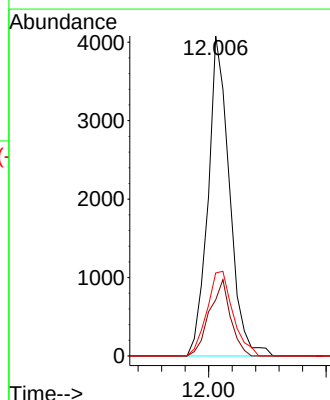
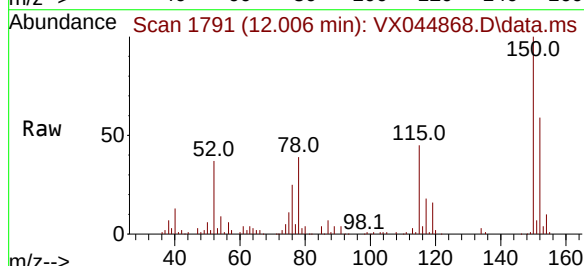
Tgt Ion:119 Resp: 5161

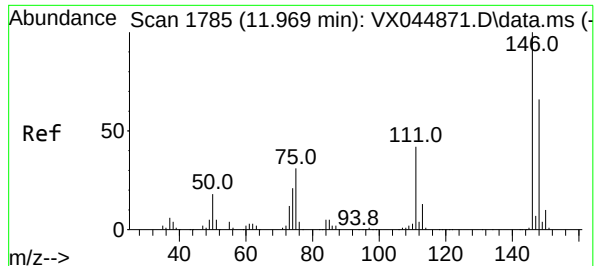
Ion Ratio Lower Upper

119 100

134 23.4 13.0 38.9

91 32.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 0.963 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:146 Resp: 293

Ion Ratio Lower Upper

146 100

111 40.4 21.2 63.6

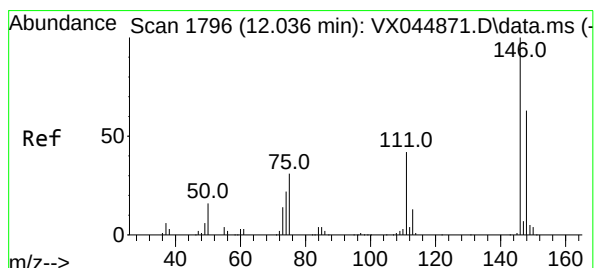
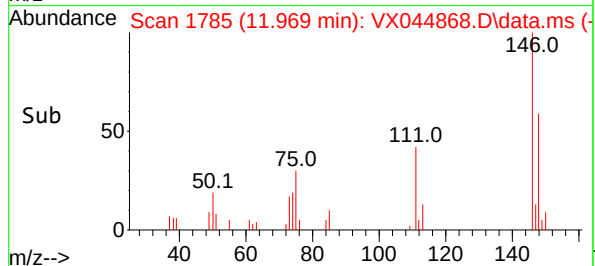
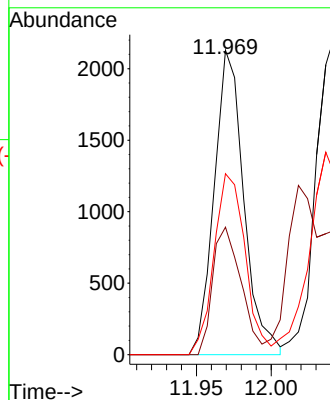
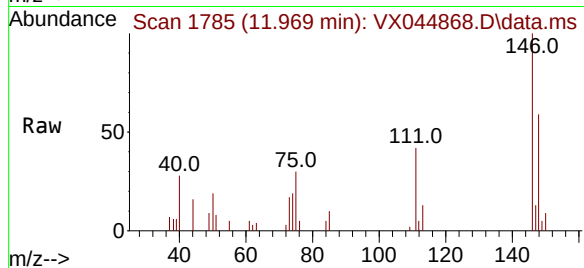
148 62.8 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#88

1,4-Dichlorobenzene

Concen: 0.979 ug/l m

RT: 12.043 min Scan# 1797

Delta R.T. 0.007 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

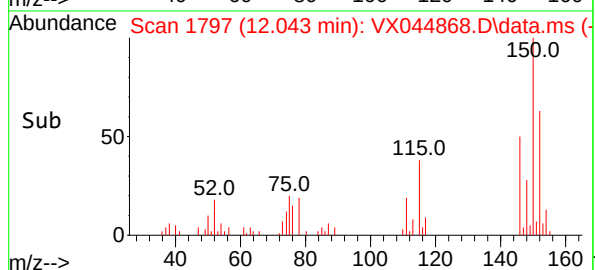
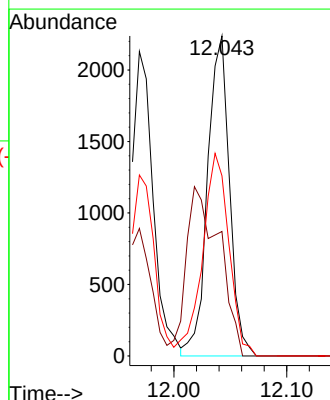
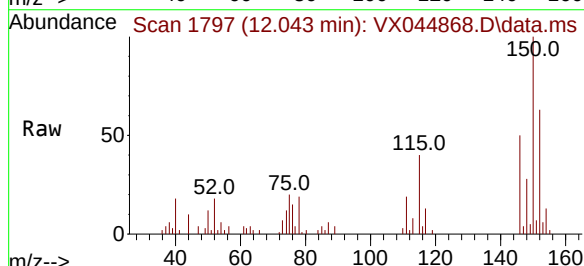
Tgt Ion:146 Resp: 3016

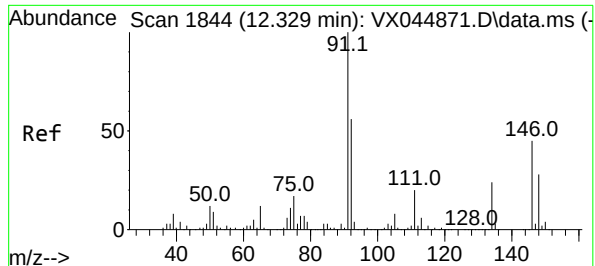
Ion Ratio Lower Upper

146 100

111 39.3 20.4 61.3

148 61.0 32.0 96.0





#89

n-Butylbenzene

Concen: 0.734 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

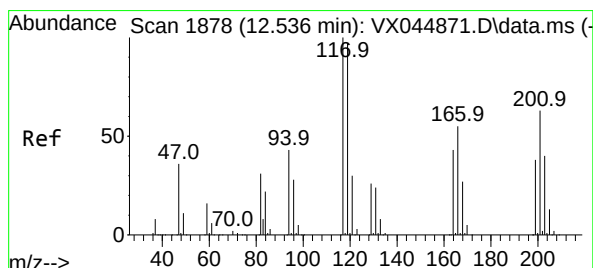
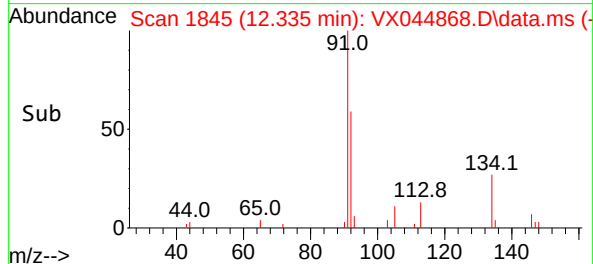
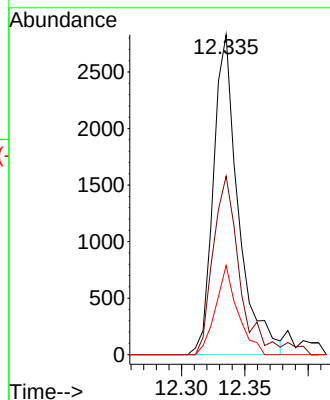
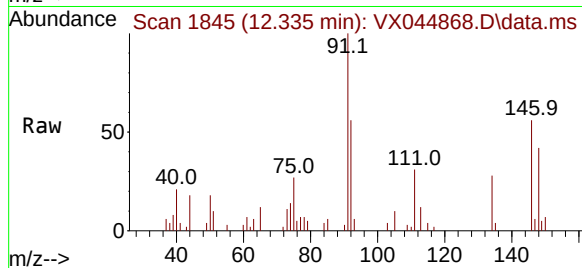
Tgt Ion: 91	Resp: 3880
Ion Ratio	Lower Upper
91	100
92	60.9 27.2 81.6
134	24.8 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#90

Hexachloroethane

Concen: 0.866 ug/l

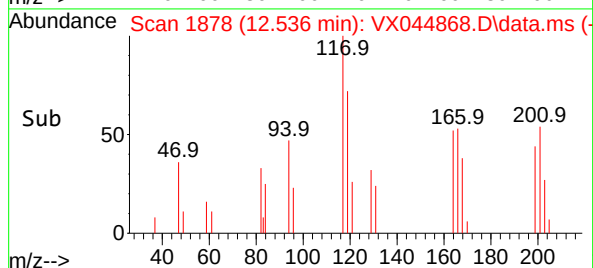
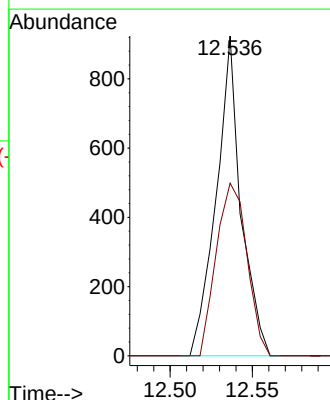
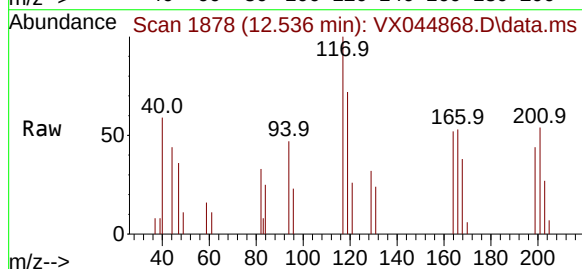
RT: 12.536 min Scan# 1878

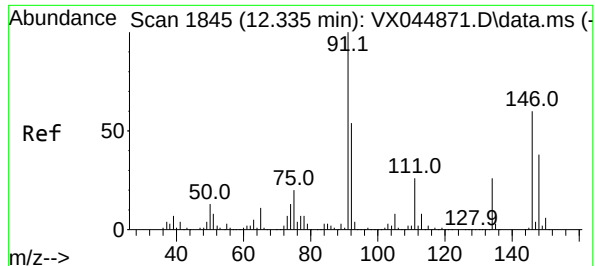
Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

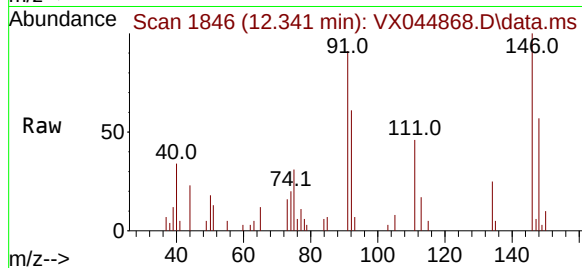
Tgt Ion: 117	Resp: 968
Ion Ratio	Lower Upper
117	100
201	66.8 32.5 97.5





#91
1,2-Dichlorobenzene
Concen: 0.917 ug/l
RT: 12.341 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

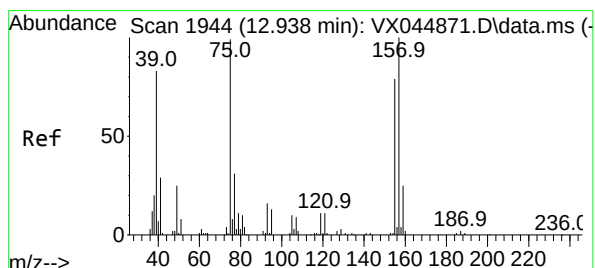
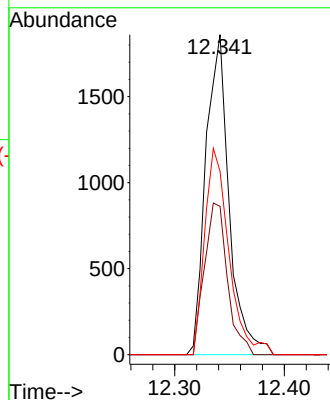
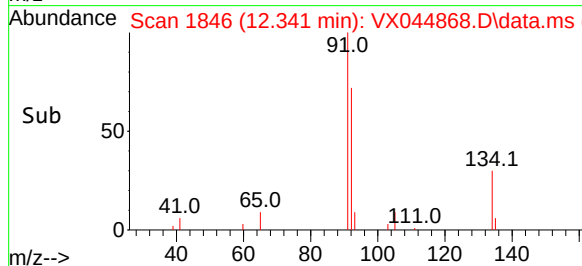
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



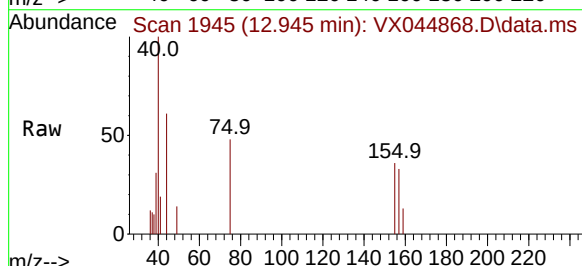
Tgt Ion:146 Resp: 2744
Ion Ratio Lower Upper
146 100
111 46.7 21.8 65.4
148 67.2 31.9 95.9

Manual Integrations
APPROVED

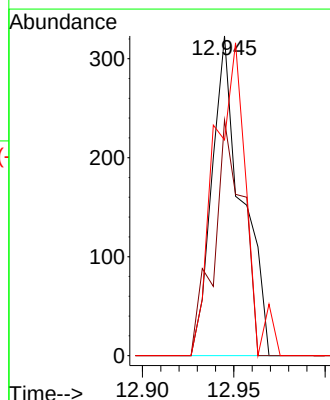
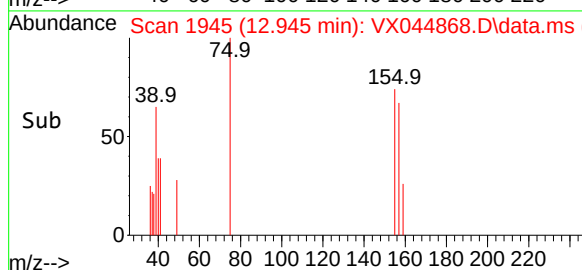
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

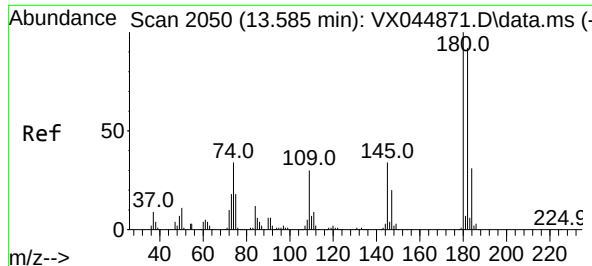


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.801 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25



Tgt Ion: 75 Resp: 367
Ion Ratio Lower Upper
75 100
155 71.7 40.5 121.4
157 104.1 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 0.861 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.007 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

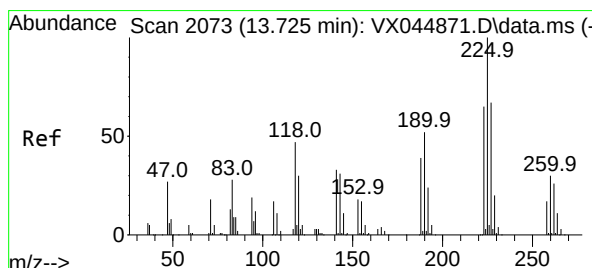
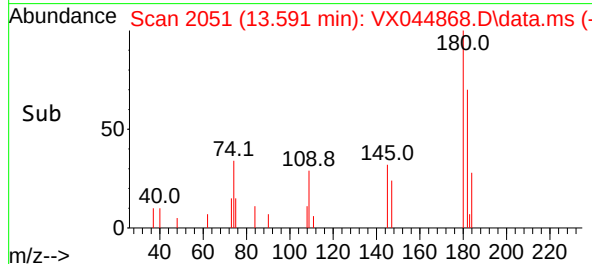
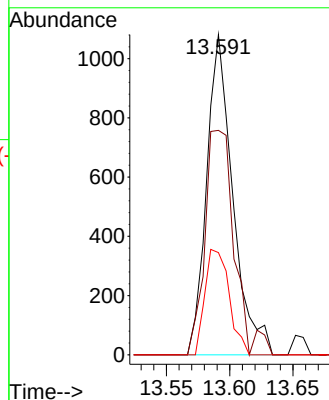
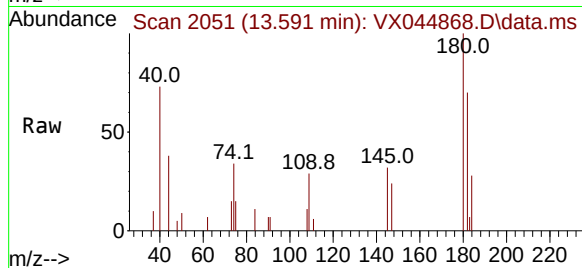
Tgt Ion:180	Resp:	1560
Ion Ratio	Lower	Upper
180	100	
182	78.7	47.6 142.8
145	30.4	16.4 49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#94

Hexachlorobutadiene

Concen: 0.966 ug/l

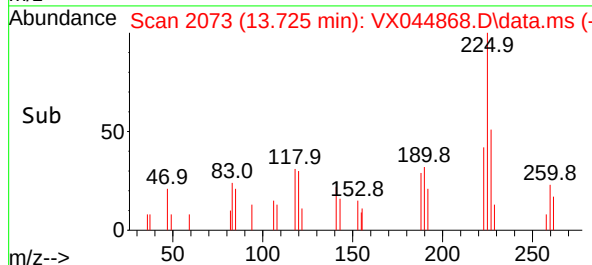
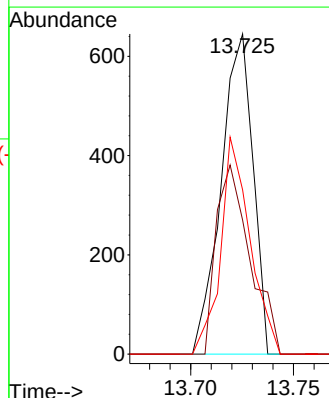
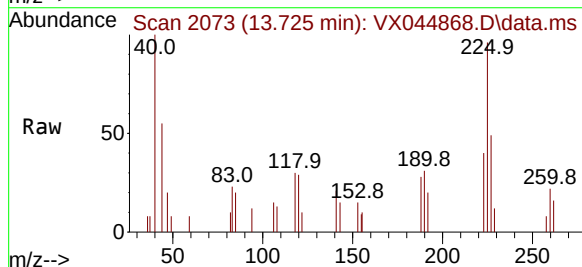
RT: 13.725 min Scan# 2073

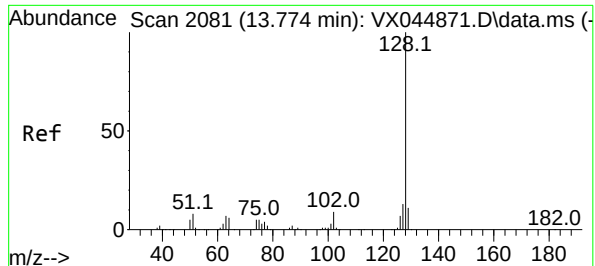
Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion:225	Resp:	695
Ion Ratio	Lower	Upper
225	100	
223	63.2	31.4 94.2
227	62.6	32.3 96.8





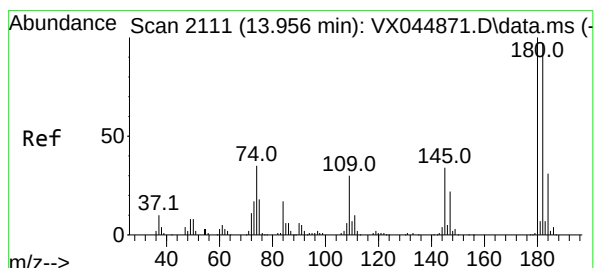
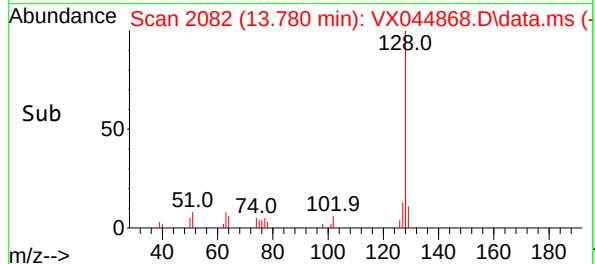
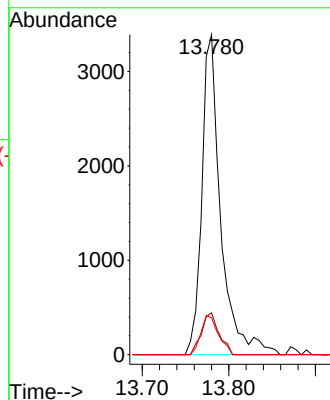
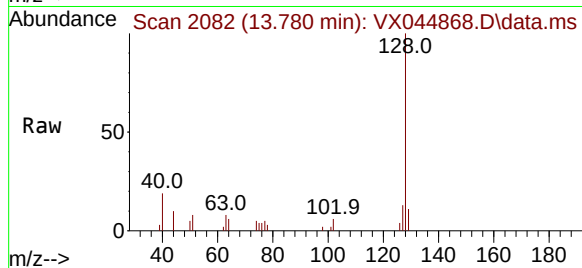
#95
Naphthalene
Concen: 0.783 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 512
Ion Ratio Lower Upper
128 100
127 12.2 10.1 15.1
129 11.3 8.9 13.3

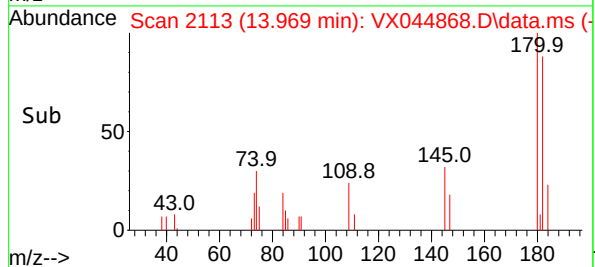
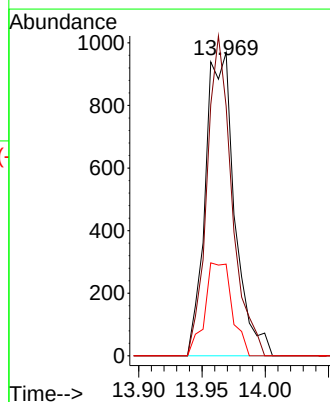
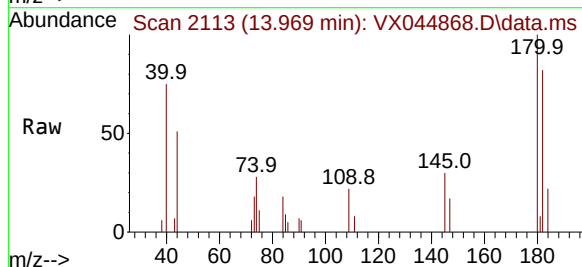
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#96
1,2,3-Trichlorobenzene
Concen: 0.853 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:180 Resp: 1557
Ion Ratio Lower Upper
180 100
182 90.0 47.9 143.6
145 28.5 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044869.D
 Acq On : 10 Feb 2025 10:48
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Feb 11 03:36:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:33:20 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	136105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	253314	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	218625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	95494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	10397	5.219	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.440%#		
35) Dibromofluoromethane	5.385	113	8482	5.150	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.300%#		
50) Toluene-d8	8.647	98	31381	5.039	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.080%#		
62) 4-Bromofluorobenzene	11.079	95	10229	4.872	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.740%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	9109	4.772	ug/l	94
3) Chloromethane	1.301	50	11711	5.041	ug/l	97
4) Vinyl Chloride	1.374	62	11509	5.113	ug/l	94
5) Bromomethane	1.593	94	3371	5.005	ug/l	89
6) Chloroethane	1.660	64	3918m	4.973	ug/l	
7) Trichlorofluoromethane	1.868	101	14506	5.096	ug/l	100
8) Diethyl Ether	2.136	74	5062	4.904	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.319	101	8805	5.120	ug/l	98
10) Methyl Iodide	2.447	142	10233	4.591	ug/l	99
11) Tert butyl alcohol	2.983	59	10044	27.175	ug/l	100
12) 1,1-Dichloroethene	2.307	96	8692	4.955	ug/l	95
13) Acrolein	2.239	56	9750	25.567	ug/l	98
14) Allyl chloride	2.660	41	15649	4.936	ug/l	98
15) Acrylonitrile	3.062	53	24101	24.422	ug/l	98
16) Acetone	2.386	43	19877	24.817	ug/l	99
17) Carbon Disulfide	2.502	76	23568	4.899	ug/l	98
18) Methyl Acetate	2.703	43	12257	4.850	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	28100	5.034	ug/l	99
20) Methylene Chloride	2.782	84	9757	4.973	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	8470	4.906	ug/l	94
22) Diisopropyl ether	3.757	45	29768	4.963	ug/l #	80
23) Vinyl Acetate	3.721	43	119108	24.358	ug/l	98
24) 1,1-Dichloroethane	3.605	63	17113	5.099	ug/l	98
25) 2-Butanone	4.568	43	32121	24.698	ug/l	98
26) 2,2-Dichloropropane	4.459	77	13365	5.022	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	10662	5.141	ug/l	95
28) Bromochloromethane	4.898	49	7881	4.886	ug/l #	96
29) Tetrahydrofuran	5.013	42	21097	24.429	ug/l	98
30) Chloroform	5.087	83	16449	5.054	ug/l	98
31) Cyclohexane	5.464	56	15705	5.076	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	13658	4.947	ug/l	98
36) 1,1-Dichloropropene	5.684	75	11835	4.981	ug/l	98
37) Ethyl Acetate	4.721	43	13530	5.122	ug/l	99
38) Carbon Tetrachloride	5.672	117	11797	5.066	ug/l	97
39) Methylcyclohexane	7.373	83	14472	4.711	ug/l	96
40) Benzene	6.038	78	37687	5.079	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044869.D
 Acq On : 10 Feb 2025 10:48
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Feb 11 03:36:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:33:20 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	6648	4.699	ug/l	96
42) 1,2-Dichloroethane	6.086	62	11789	4.985	ug/l	100
43) Isopropyl Acetate	6.342	43	19803	4.640	ug/l	99
44) Trichloroethene	7.123	130	8614	5.079	ug/l	95
45) 1,2-Dichloropropane	7.428	63	8976	4.863	ug/l	98
46) Dibromomethane	7.586	93	6210	4.851	ug/l	95
47) Bromodichloromethane	7.818	83	12173	4.911	ug/l	94
48) Methyl methacrylate	7.702	41	9298	4.620	ug/l	98
49) 1,4-Dioxane	7.678	88	4365	101.099	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	65064	25.076	ug/l	100
52) Toluene	8.720	92	22090	4.999	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	11413	4.550	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	12943	4.628	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	8662	5.099	ug/l	98
56) Ethyl methacrylate	9.116	69	12351	4.502	ug/l	96
57) 1,3-Dichloropropane	9.305	76	14839	4.993	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	31498	23.382	ug/l	99
59) 2-Hexanone	9.433	43	45538	24.359	ug/l	99
60) Dibromochloromethane	9.519	129	8668	4.771	ug/l	99
61) 1,2-Dibromoethane	9.610	107	8353	4.852	ug/l	96
64) Tetrachloroethene	9.269	164	6803	4.934	ug/l	95
65) Chlorobenzene	10.079	112	23903	5.090	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	7380	4.883	ug/l	97
67) Ethyl Benzene	10.189	91	40945	4.941	ug/l	97
68) m/p-Xylenes	10.299	106	30627	10.019	ug/l	100
69) o-Xylene	10.640	106	15761	5.139	ug/l	98
70) Styrene	10.653	104	24576	4.973	ug/l	99
71) Bromoform	10.799	173	5391	4.779	ug/l #	97
73) Isopropylbenzene	10.957	105	38315	4.983	ug/l	100
74) N-amyl acetate	10.842	43	16653	4.786	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	13394	5.069	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	11011m	5.201	ug/l	
77) Bromobenzene	11.195	156	8789	5.042	ug/l	97
78) n-propylbenzene	11.305	91	43923	4.949	ug/l	99
79) 2-Chlorotoluene	11.360	91	27311	5.007	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	31761	5.090	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	3303	4.013	ug/l	87
82) 4-Chlorotoluene	11.451	91	30138	4.994	ug/l	99
83) tert-Butylbenzene	11.713	119	31992	5.068	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	31053	5.042	ug/l	98
85) sec-Butylbenzene	11.890	105	38437	4.917	ug/l	98
86) p-Isopropyltoluene	12.006	119	30835	4.905	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	15935	4.971	ug/l	95
88) 1,4-Dichlorobenzene	12.036	146	16347	5.043	ug/l	95
89) n-Butylbenzene	12.329	91	25747	4.630	ug/l	97
90) Hexachloroethane	12.536	117	5620	4.775	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	16362	5.193	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2254	4.674	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	8923	4.680	ug/l	99
94) Hexachlorobutadiene	13.719	225	3595	4.750	ug/l	99
95) Naphthalene	13.774	128	32776	4.756	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	9093	4.733	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044869.D
Acq On : 10 Feb 2025 10:48
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 11 03:36:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

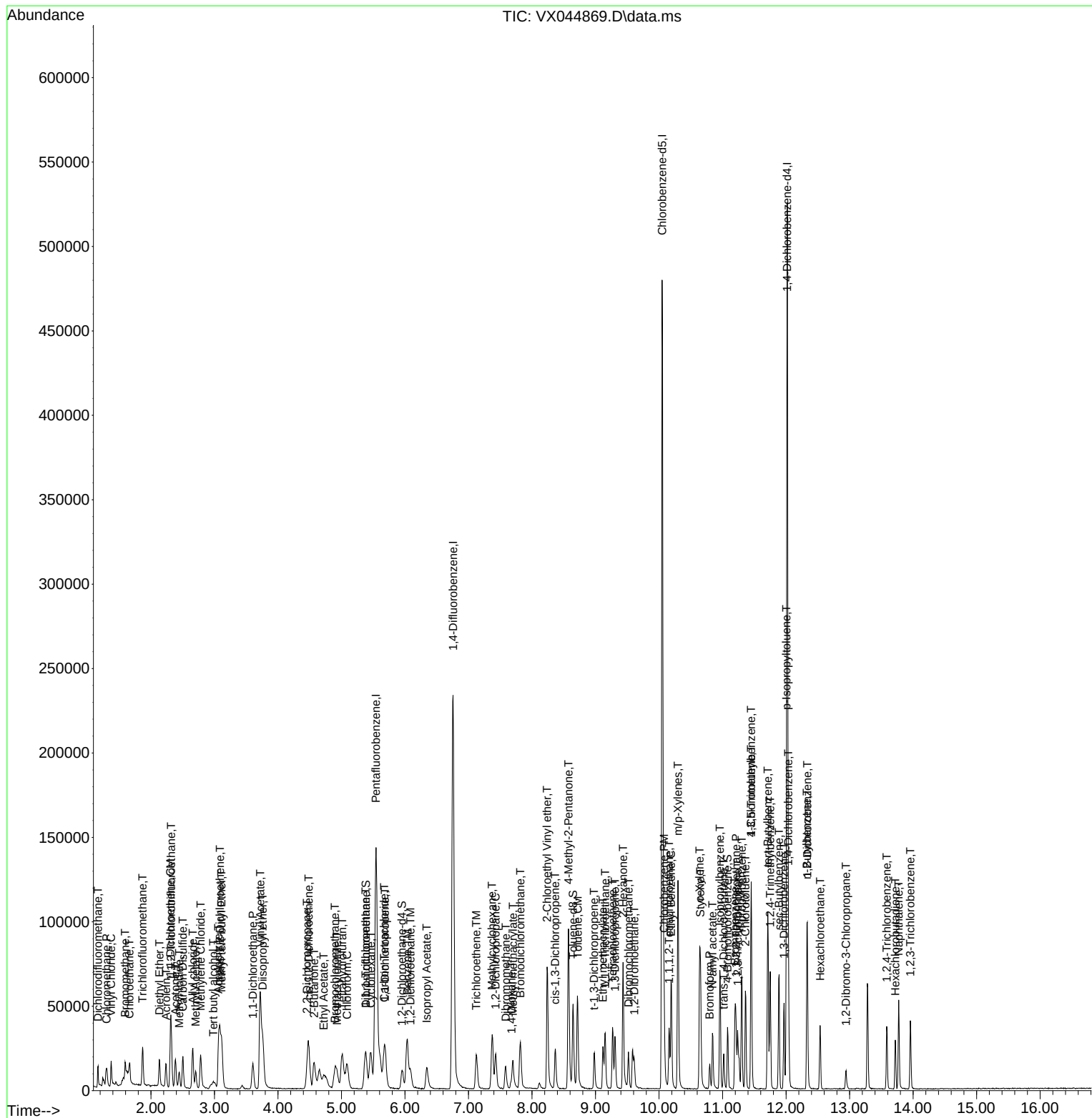
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Acq On : 10 Feb 2025 10:48
Operator : JC/MD
Sample : VSTDIC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

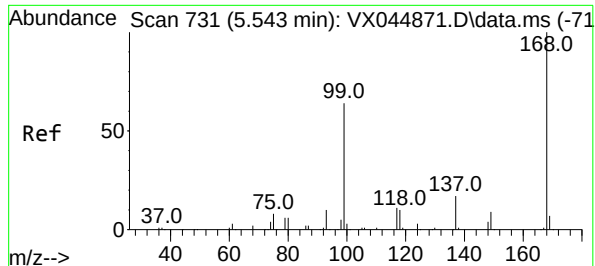
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

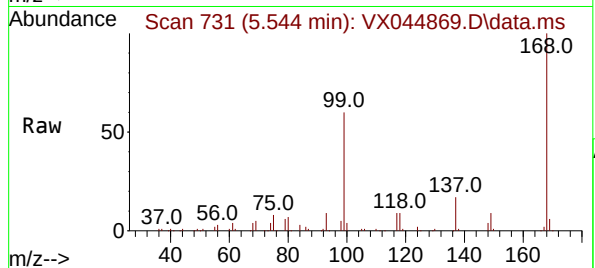
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:33:20 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

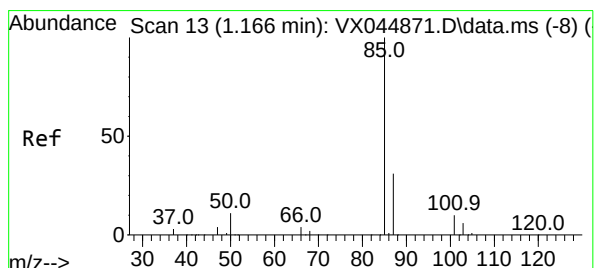
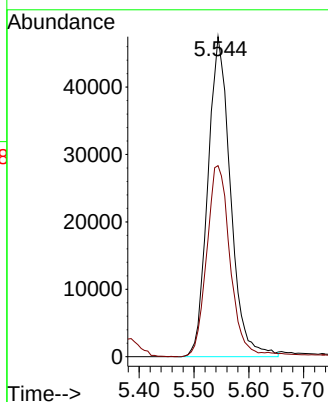
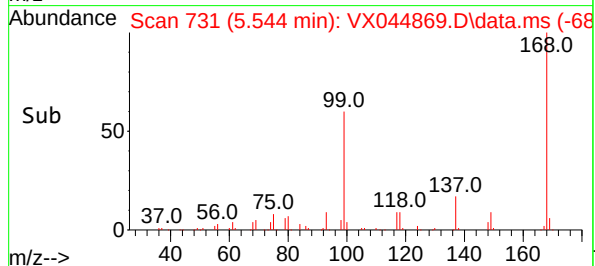
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion:168 Resp: 13610
Ion Ratio Lower Upper
168 100
99 59.7 51.2 76.8

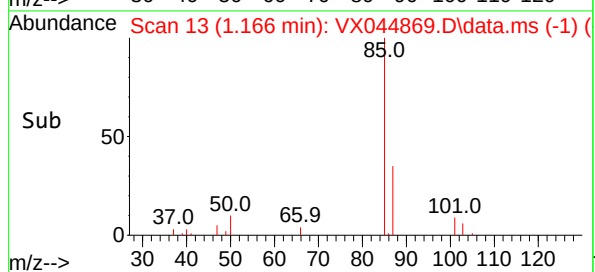
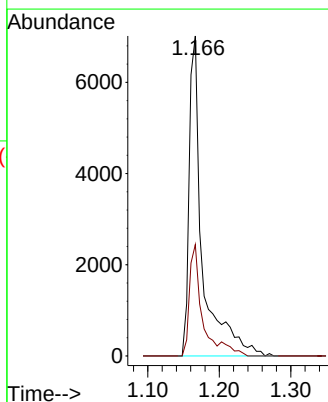
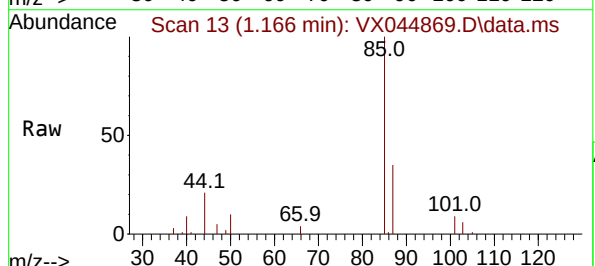
Manual Integrations
APPROVED

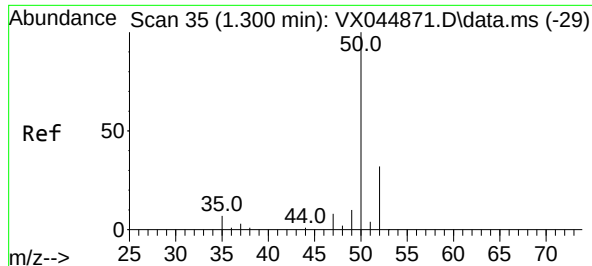
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#2
Dichlorodifluoromethane
Concen: 4.772 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 85 Resp: 9109
Ion Ratio Lower Upper
85 100
87 34.8 15.8 47.3





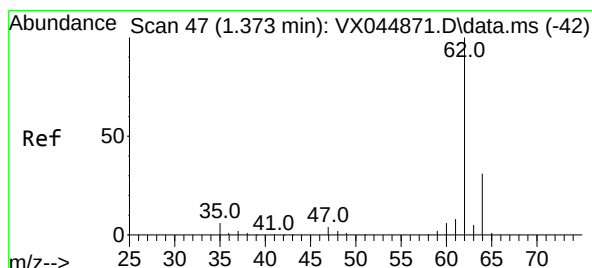
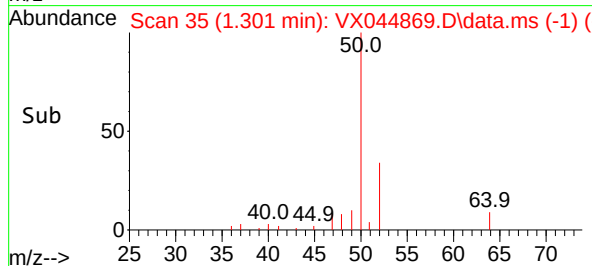
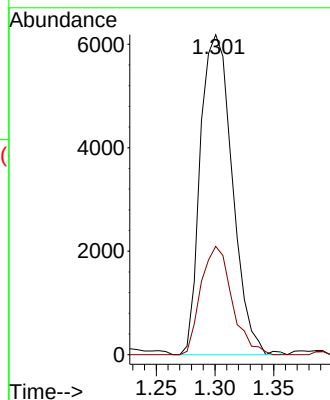
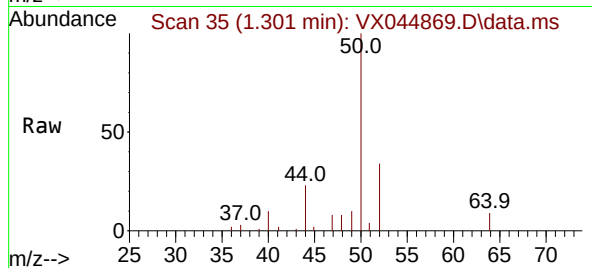
#3
Chloromethane
Concen: 5.041 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 1171
Ion Ratio Lower Upper
50 100
52 33.8 25.9 38.9

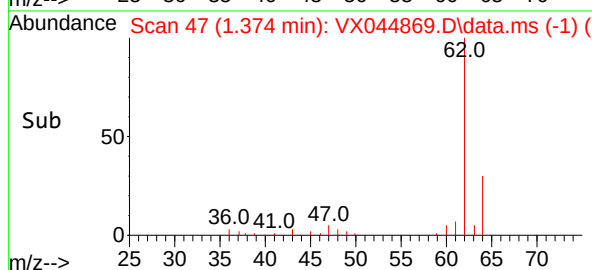
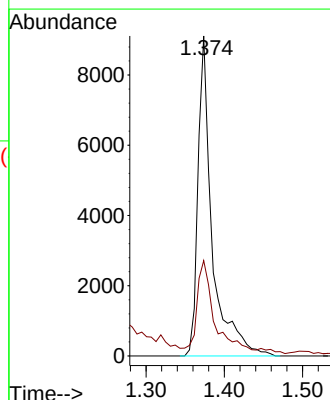
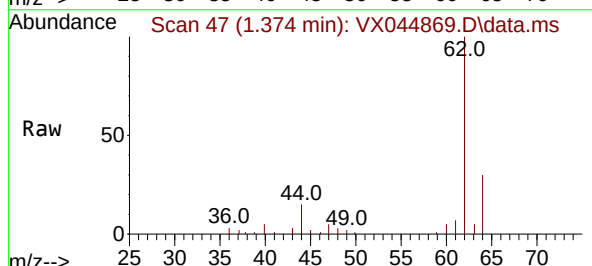
Manual Integrations
APPROVED

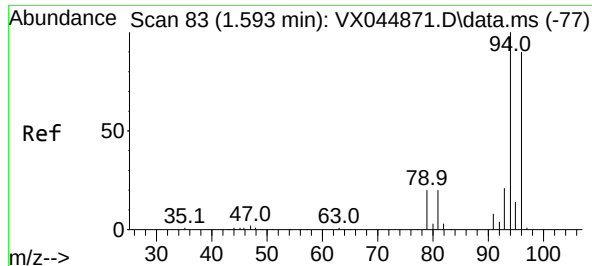
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#4
Vinyl Chloride
Concen: 5.113 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 62 Resp: 11509
Ion Ratio Lower Upper
62 100
64 28.4 25.4 38.0





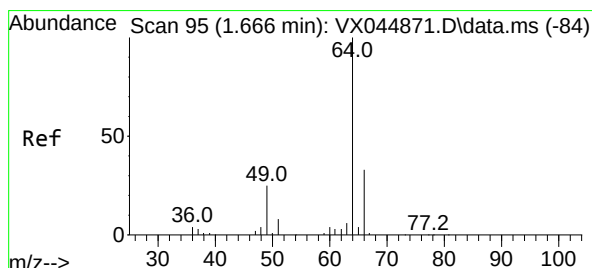
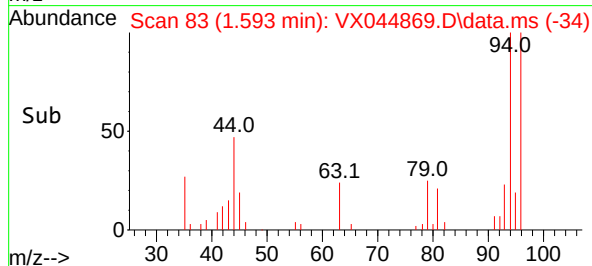
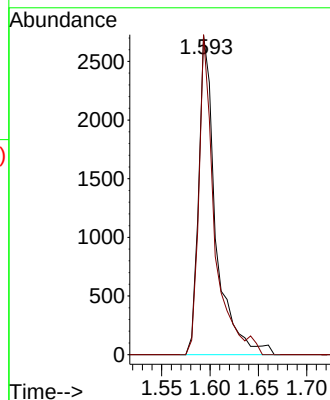
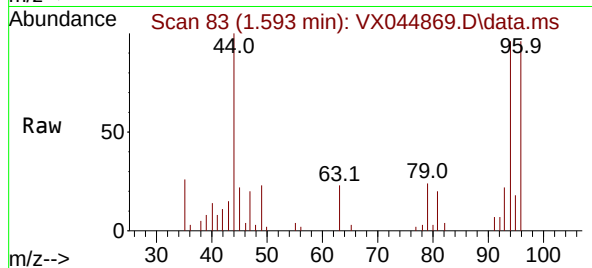
#5
Bromomethane
Concen: 5.005 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 337
Ion Ratio Lower Upper
94 100
96 100.2 71.6 107.4

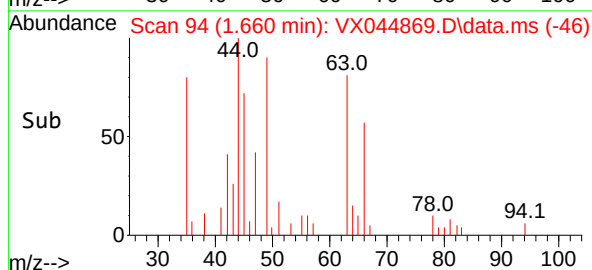
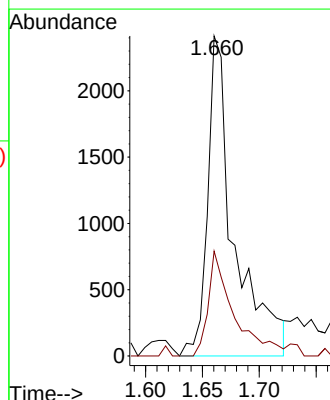
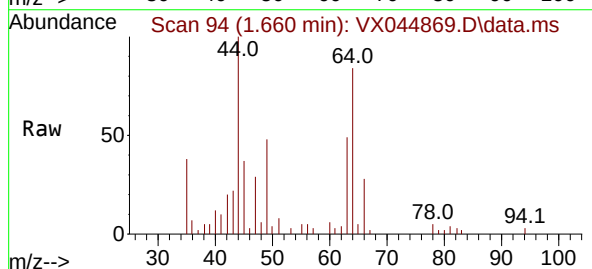
Manual Integrations
APPROVED

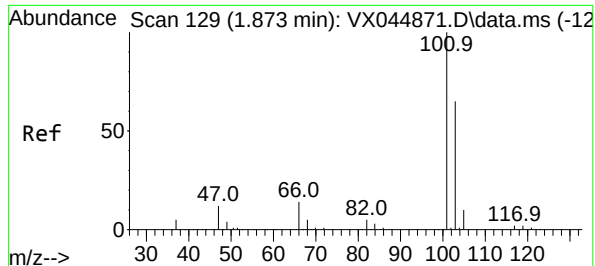
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#6
Chloroethane
Concen: 4.973 ug/l m
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 64 Resp: 3918
Ion Ratio Lower Upper
64 100
66 32.8 25.9 38.9





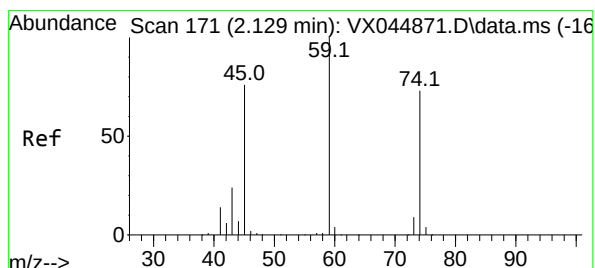
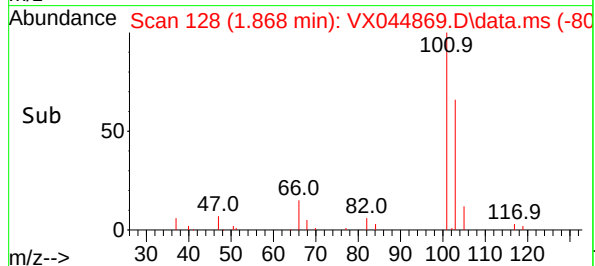
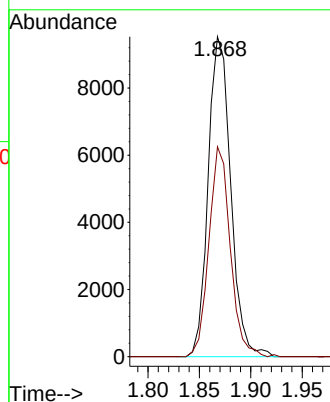
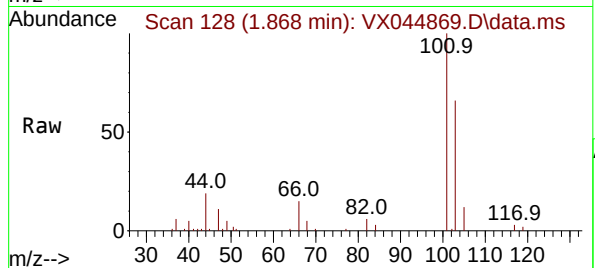
#7
Trichlorofluoromethane
Concen: 5.096 ug/l
RT: 1.868 min Scan# 11
Delta R.T. -0.005 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 14500
Ion Ratio Lower Upper
101 100
103 65.6 52.4 78.6

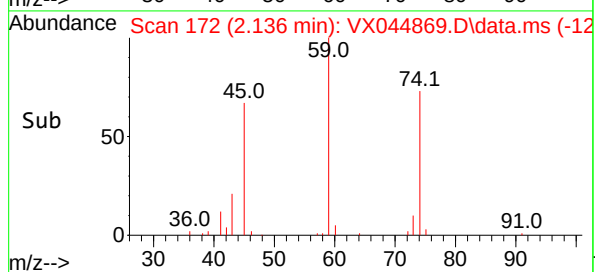
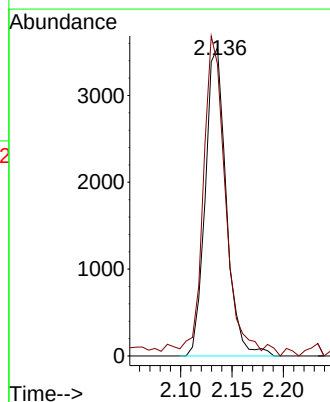
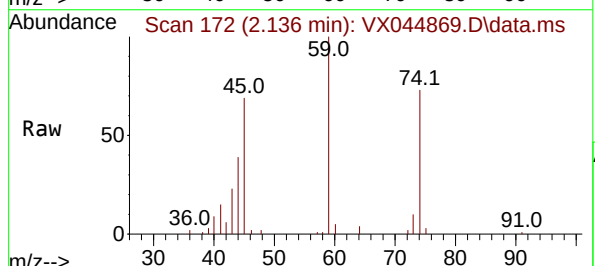
Manual Integrations
APPROVED

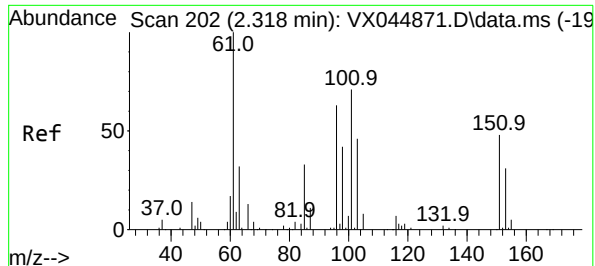
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#8
Diethyl Ether
Concen: 4.904 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.007 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 74 Resp: 5062
Ion Ratio Lower Upper
74 100
45 112.2 51.1 153.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.120 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

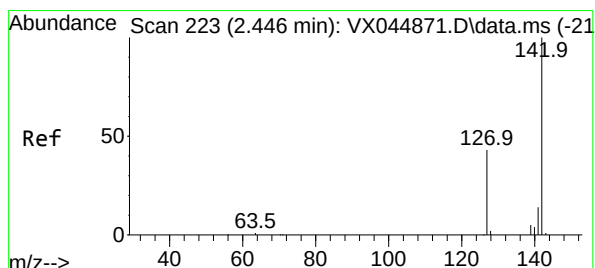
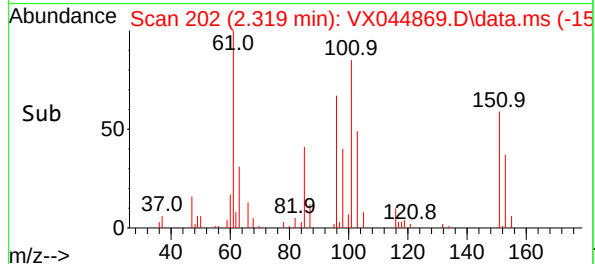
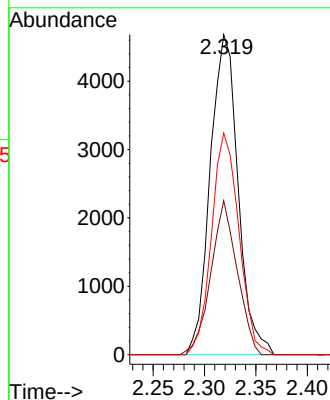
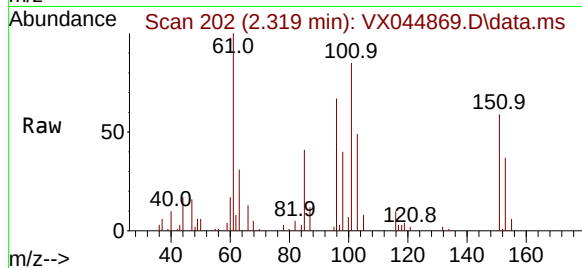
Tgt Ion:	101	Resp:	880
Ion	Ratio	Lower	Upper
101	100		
85	45.5	35.7	53.5
151	68.3	56.0	84.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#10

Methyl Iodide

Concen: 4.591 ug/l

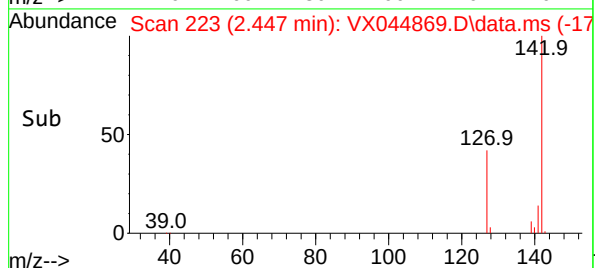
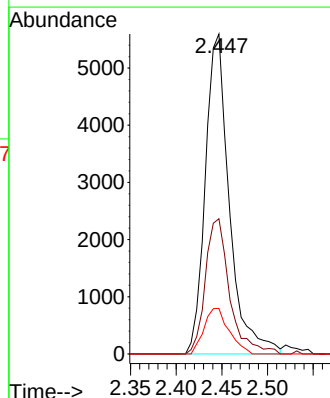
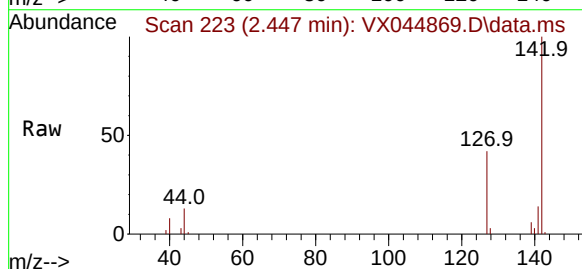
RT: 2.447 min Scan# 223

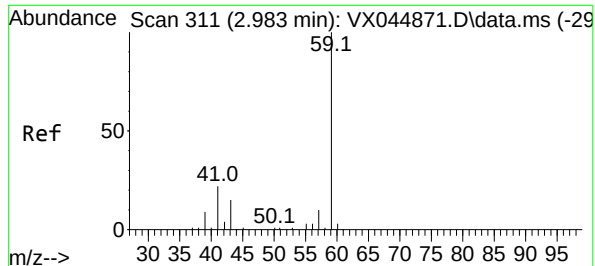
Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion:	142	Resp:	10233
Ion	Ratio	Lower	Upper
142	100		
127	42.7	34.3	51.5
141	14.8	11.4	17.2





#11

Tert butyl alcohol

Concen: 27.175 ug/l

RT: 2.983 min Scan# 311

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 59 Resp: 1004

Ion Ratio Lower Upper

59 100

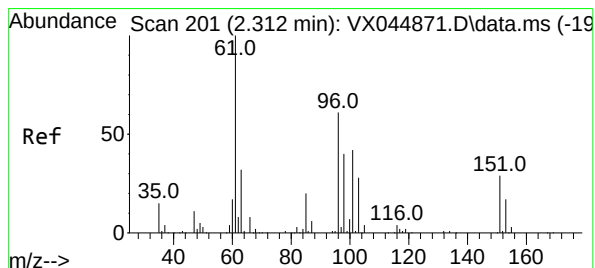
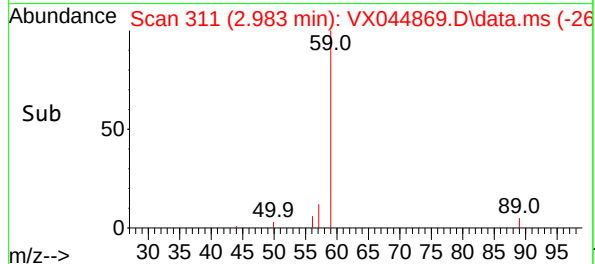
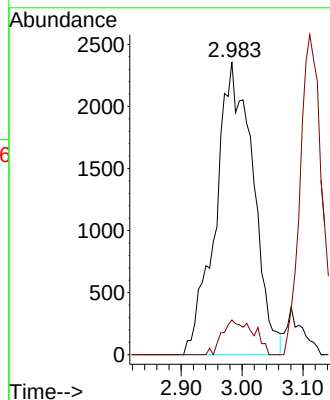
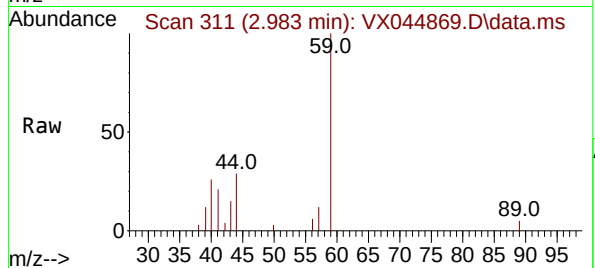
57 9.9 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#12

1,1-Dichloroethene

Concen: 4.955 ug/l

RT: 2.307 min Scan# 200

Delta R.T. -0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

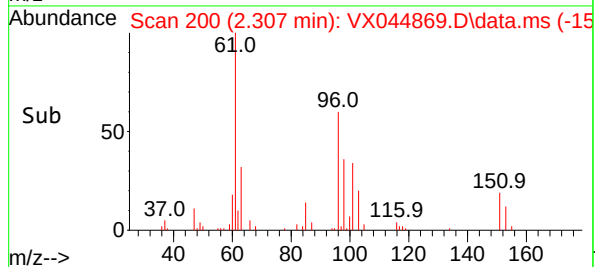
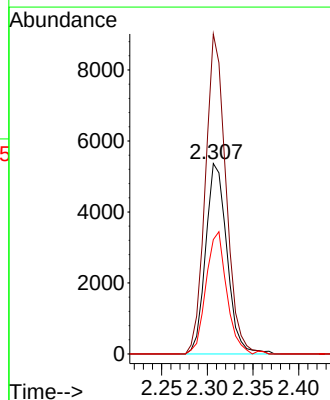
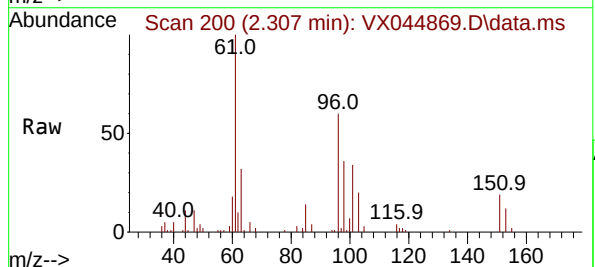
Tgt Ion: 96 Resp: 8692

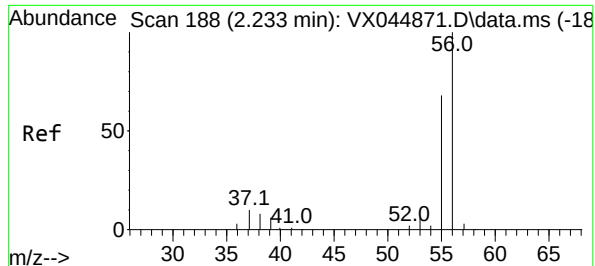
Ion Ratio Lower Upper

96 100

61 168.0 130.2 195.4

98 60.1 52.2 78.4





#13

Acrolein

Concen: 25.567 ug/l

RT: 2.239 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 9750

Ion Ratio Lower Upper

56 100

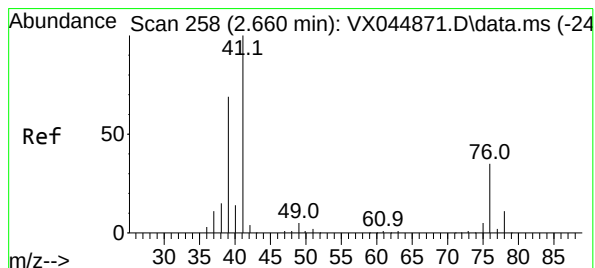
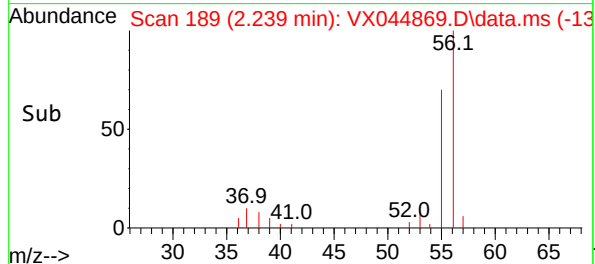
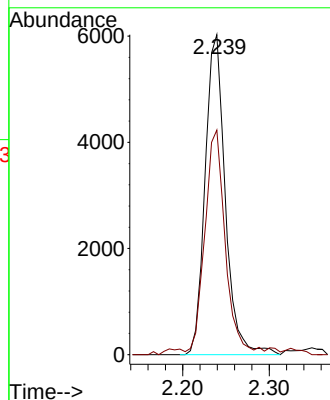
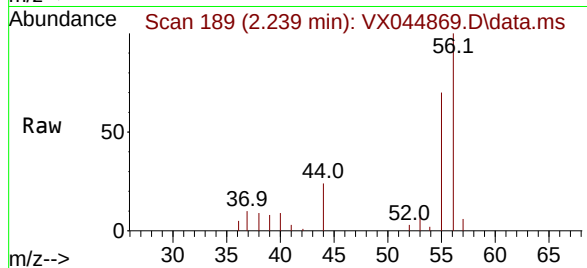
55 71.6 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#14

Allyl chloride

Concen: 4.936 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

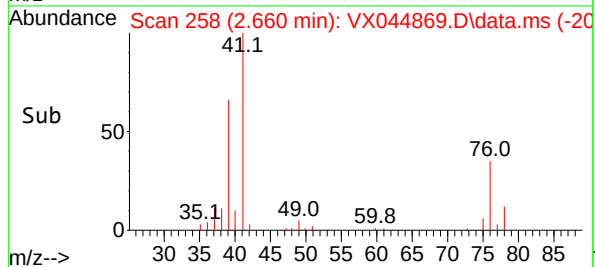
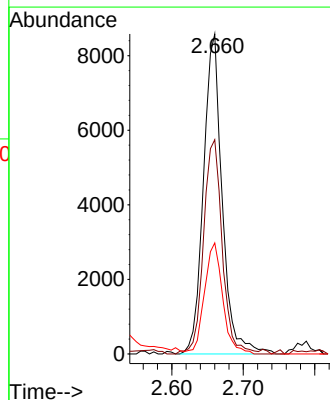
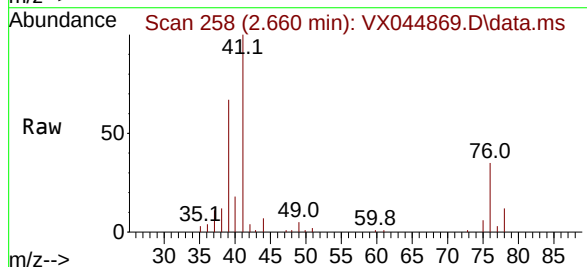
Tgt Ion: 41 Resp: 15649

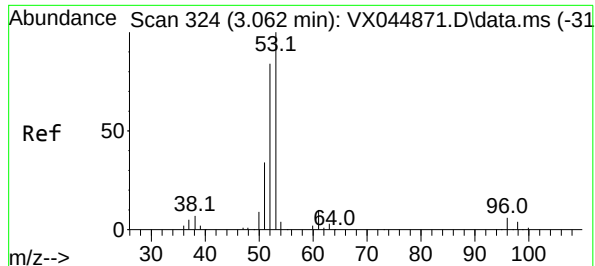
Ion Ratio Lower Upper

41 100

39 66.7 51.4 77.2

76 33.9 27.0 40.4





#15

Acrylonitrile

Concen: 24.422 ug/l

RT: 3.062 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

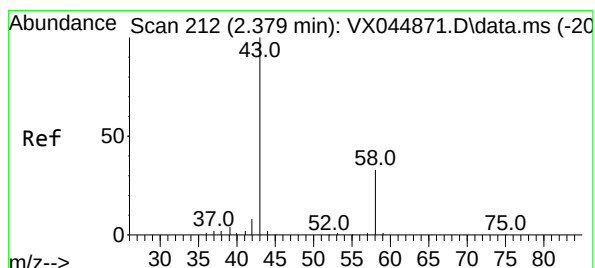
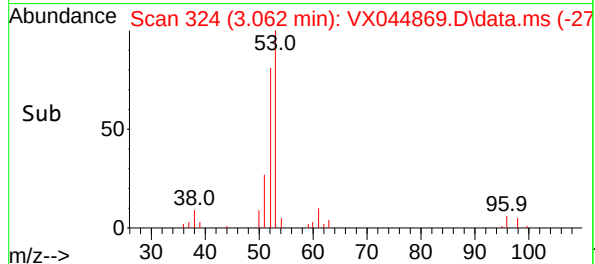
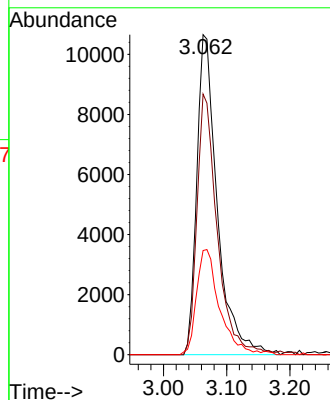
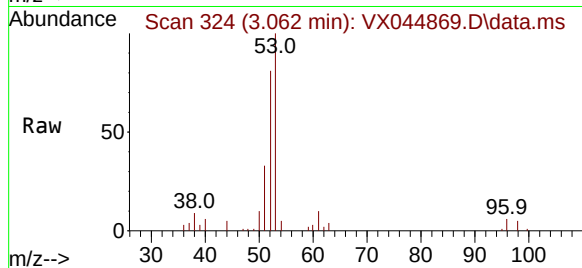
VSTDIC005

Tgt Ion:	53	Resp:	2410
Ion	Ratio	Lower	Upper
53	100		
52	80.3	65.0	97.6
51	36.6	28.0	42.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#16

Acetone

Concen: 24.817 ug/l

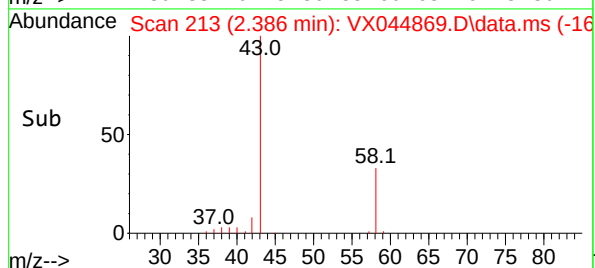
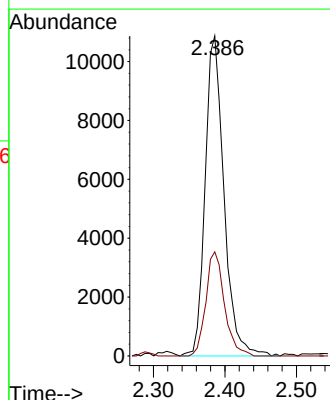
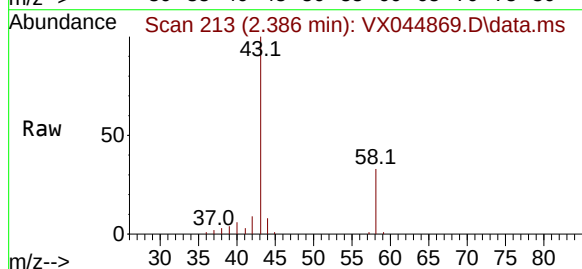
RT: 2.386 min Scan# 213

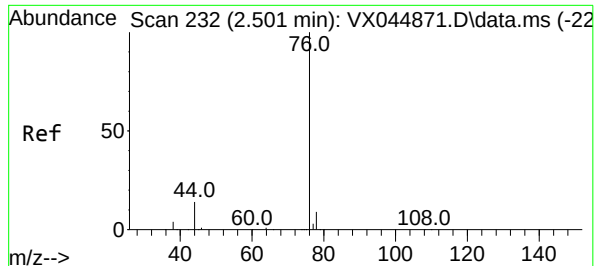
Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion:	43	Resp:	19877
Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.5	39.7





#17

Carbon Disulfide

Concen: 4.899 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion: 76 Resp: 2356

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4

Instrument :

MSVOA_X

ClientSampleId :

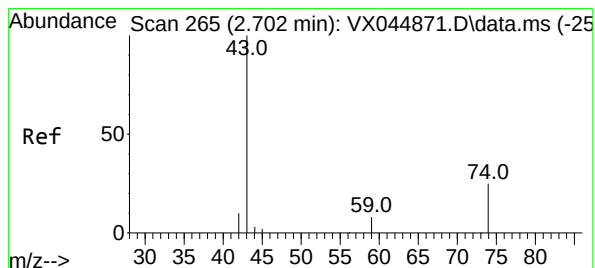
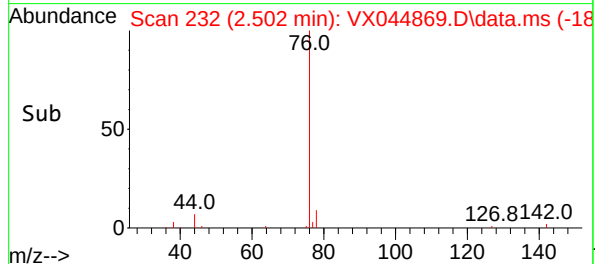
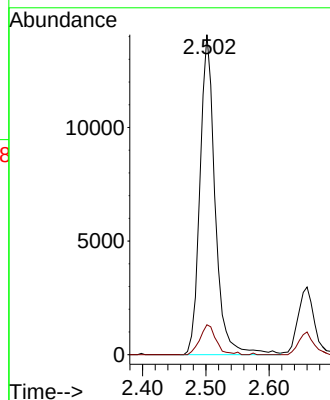
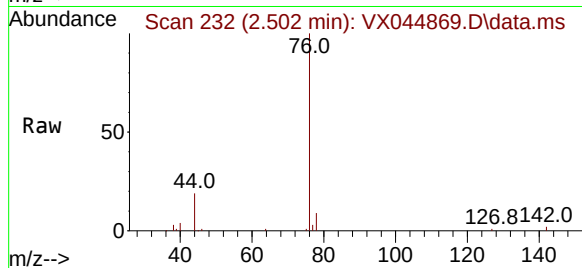
VSTDIC005

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#18

Methyl Acetate

Concen: 4.850 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX044869.D

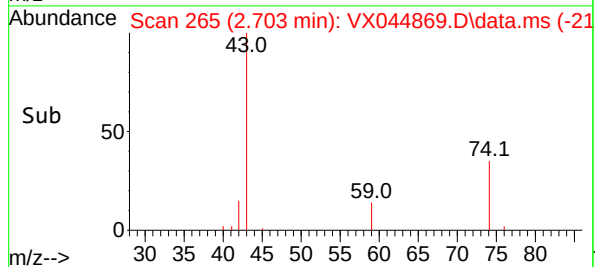
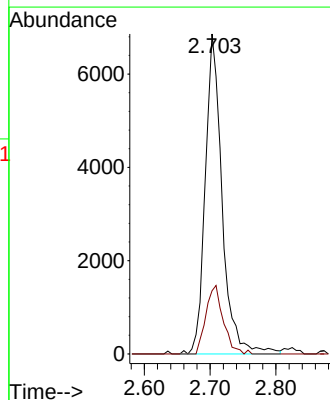
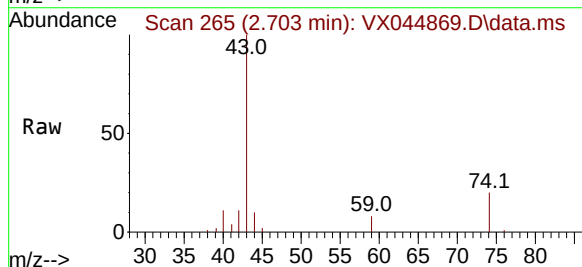
Acq: 10 Feb 2025 10:48

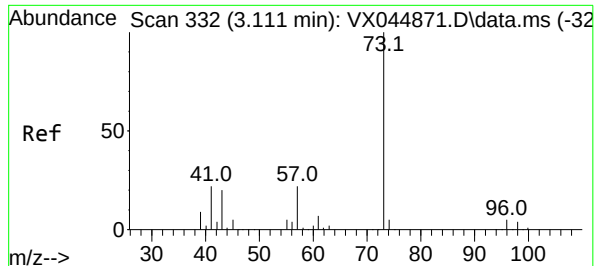
Tgt Ion: 43 Resp: 12257

Ion Ratio Lower Upper

43 100

74 22.0 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 5.034 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 73 Resp: 28100

Ion Ratio Lower Upper

73 100

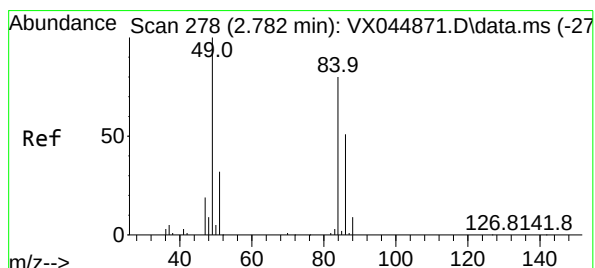
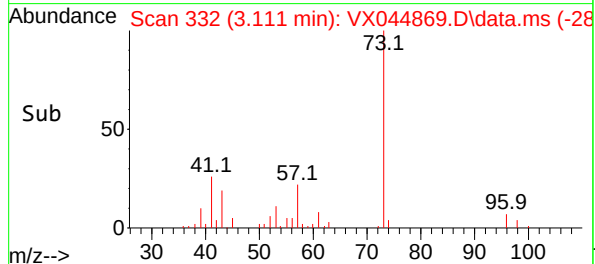
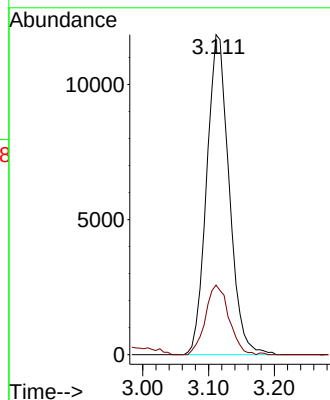
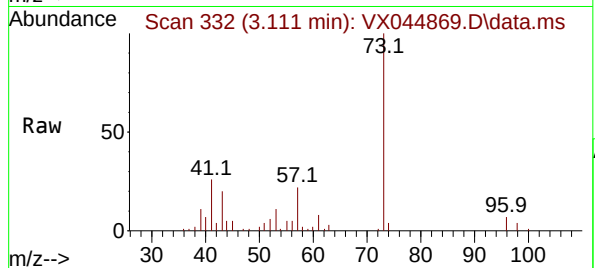
57 21.8 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#20

Methylene Chloride

Concen: 4.973 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion: 84 Resp: 9757

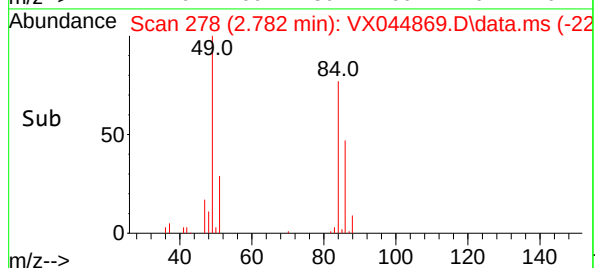
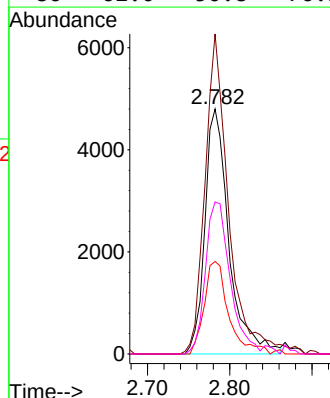
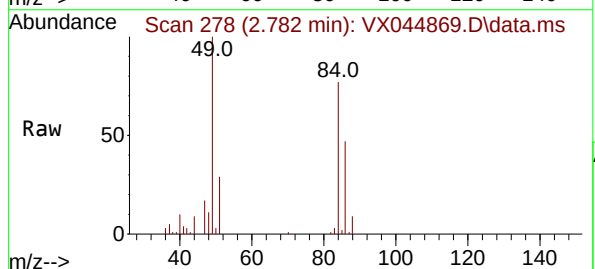
Ion Ratio Lower Upper

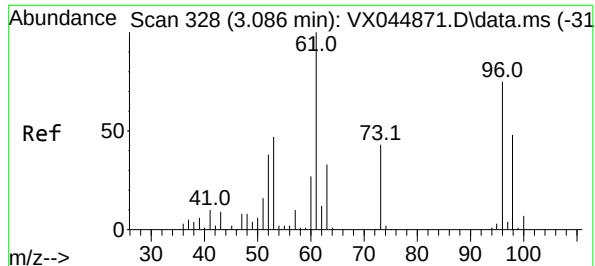
84 100

49 130.7 100.1 150.1

51 37.7 31.7 47.5

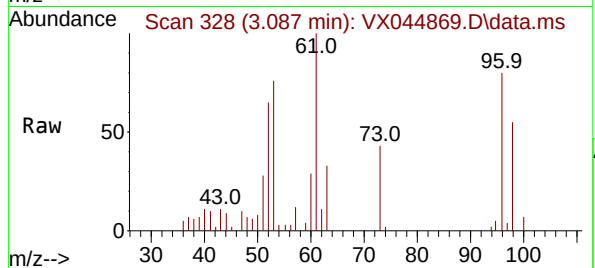
86 62.0 50.8 76.2





#21
trans-1,2-Dichloroethene
Concen: 4.906 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

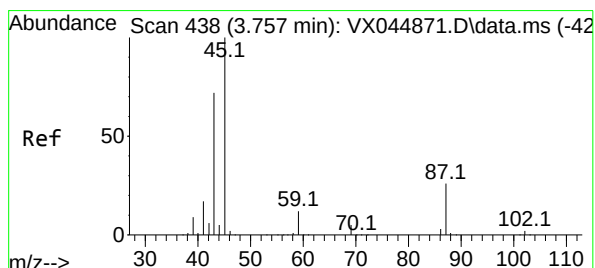
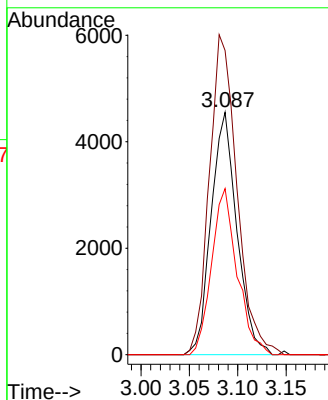
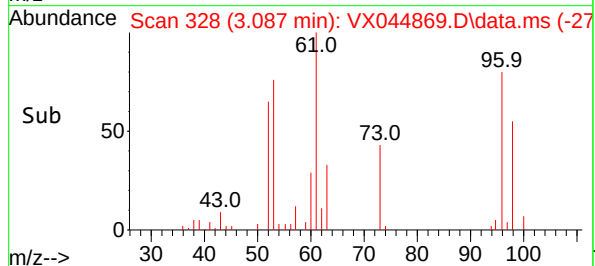
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion: 96 Resp: 8470
Ion Ratio Lower Upper
96 100
61 125.5 106.0 159.0
98 68.5 50.6 76.0

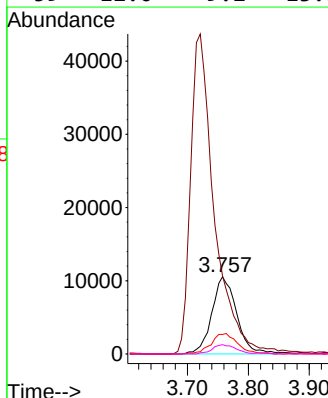
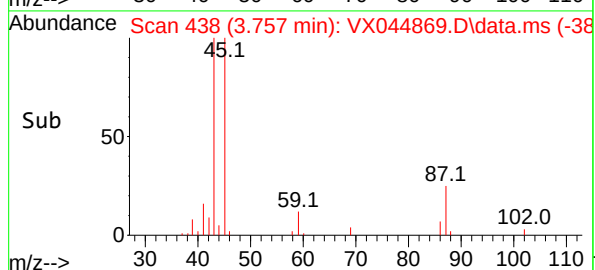
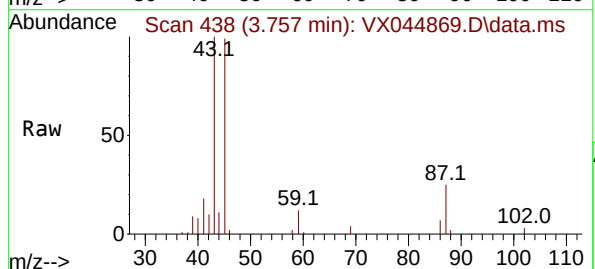
Manual Integrations
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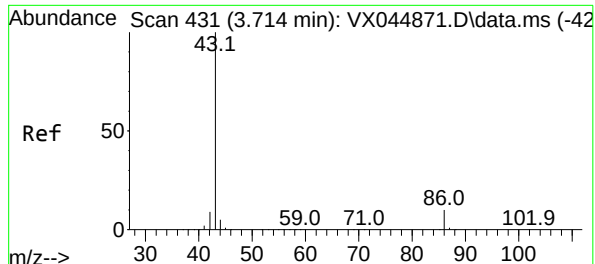
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#22
Diisopropyl ether
Concen: 4.963 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 45 Resp: 29768
Ion Ratio Lower Upper
45 100
43 97.8 58.0 87.0#
87 25.2 20.7 31.1
59 12.0 9.2 13.8





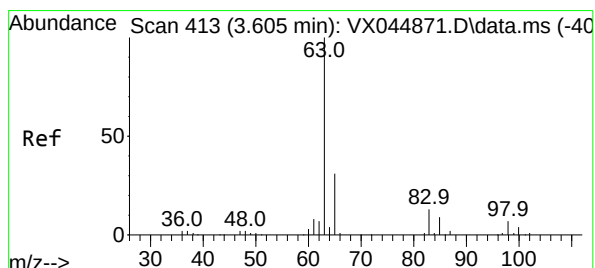
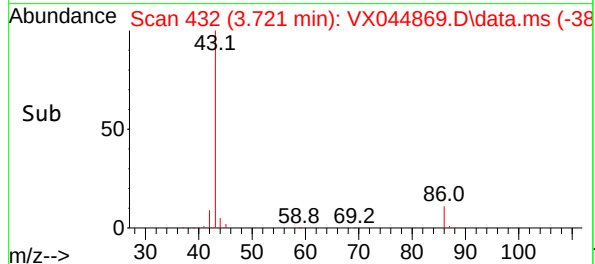
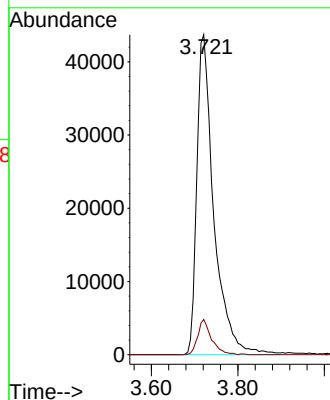
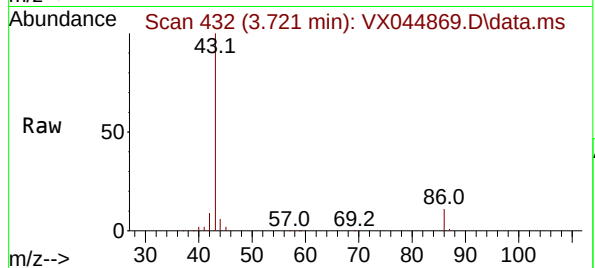
#23
Vinyl Acetate
Concen: 24.358 ug/l
RT: 3.721 min Scan# 411
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 119108
Ion Ratio Lower Upper
43 100
86 11.0 8.3 12.5

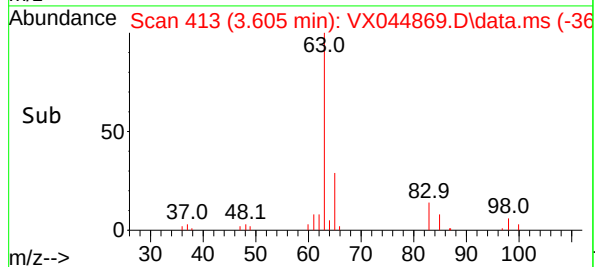
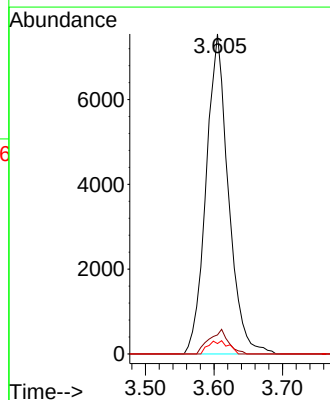
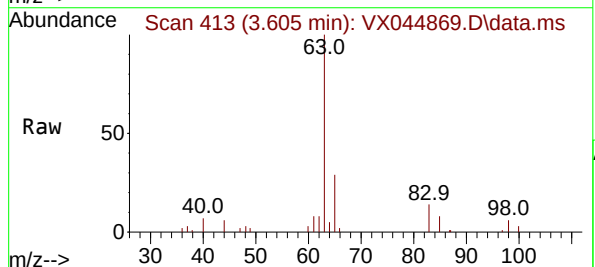
Manual Integrations
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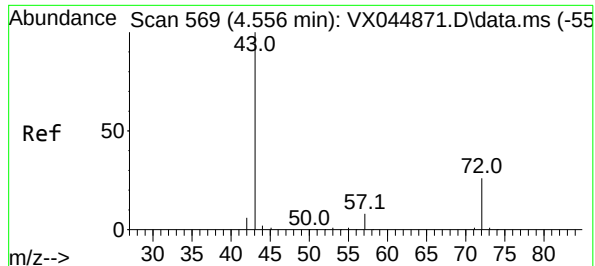
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#24
1,1-Dichloroethane
Concen: 5.099 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 63 Resp: 17113
Ion Ratio Lower Upper
63 100
98 5.9 3.3 9.9
100 3.2 2.1 6.5





#25

2-Butanone

Concen: 24.698 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.013 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 43 Resp: 3212

Ion Ratio Lower Upper

43 100

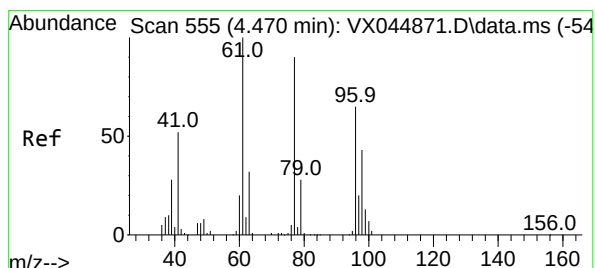
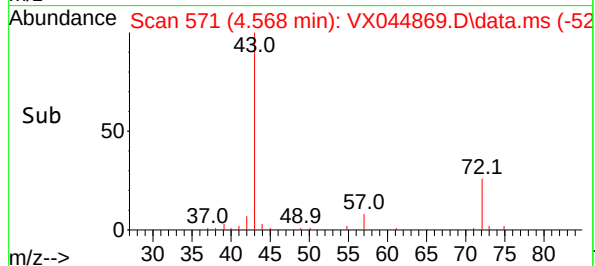
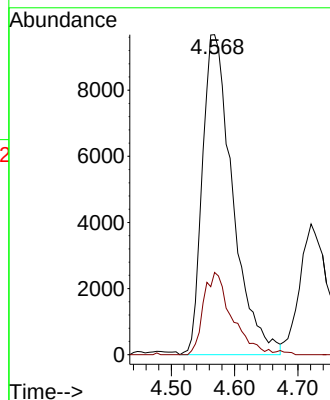
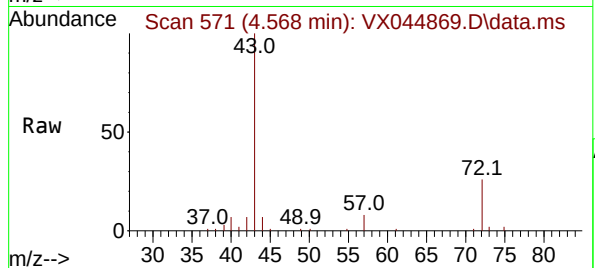
72 25.7 21.2 31.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#26

2,2-Dichloropropane

Concen: 5.022 ug/l

RT: 4.459 min Scan# 553

Delta R.T. -0.012 min

Lab File: VX044869.D

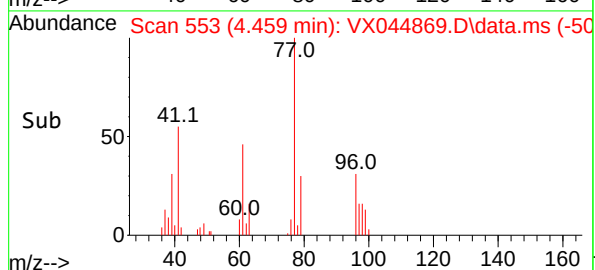
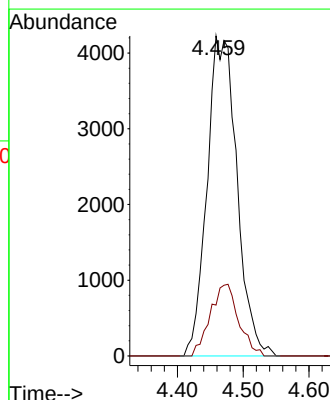
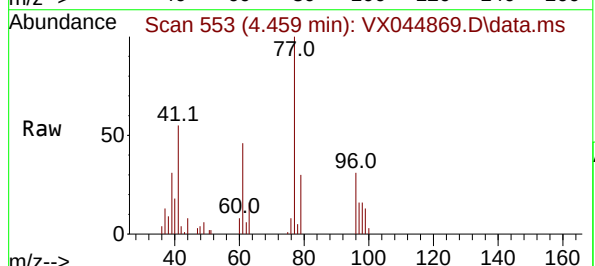
Acq: 10 Feb 2025 10:48

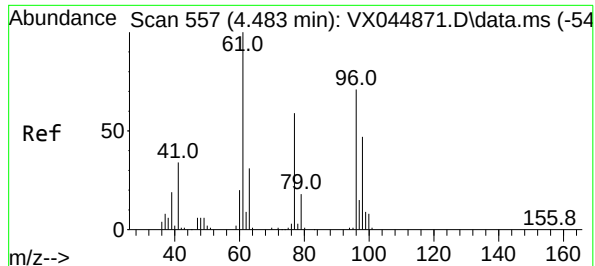
Tgt Ion: 77 Resp: 13365

Ion Ratio Lower Upper

77 100

97 21.2 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 5.141 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 96 Resp: 1066

Ion Ratio Lower Upper

96 100

61 140.8 0.0 294.0

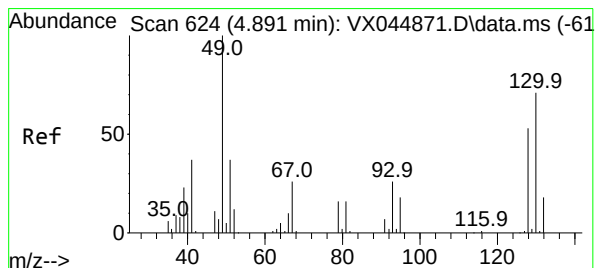
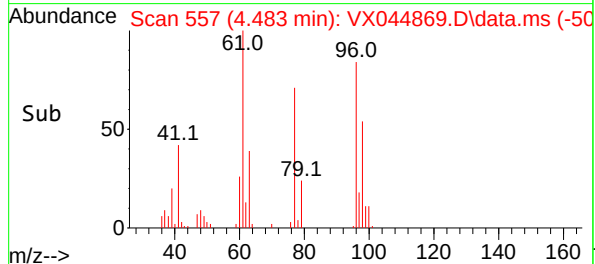
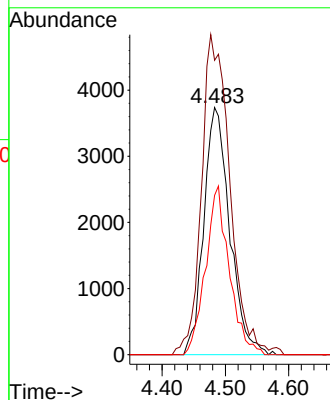
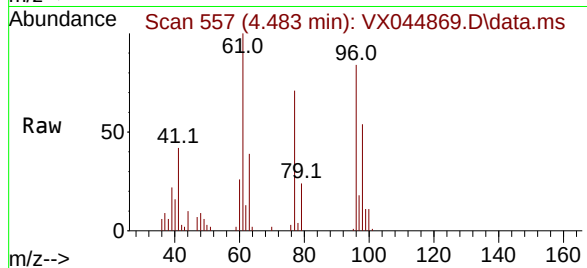
98 62.4 0.0 131.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#28

Bromochloromethane

Concen: 4.886 ug/l

RT: 4.898 min Scan# 625

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

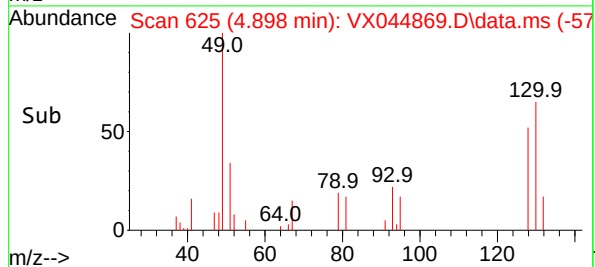
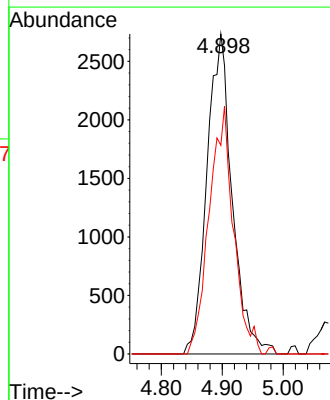
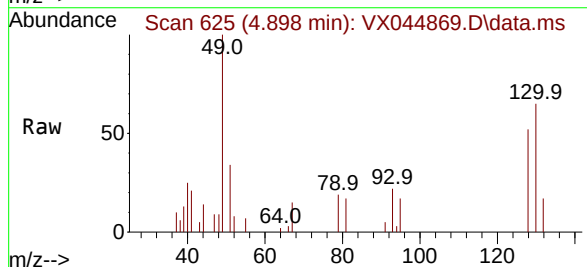
Tgt Ion: 49 Resp: 7881

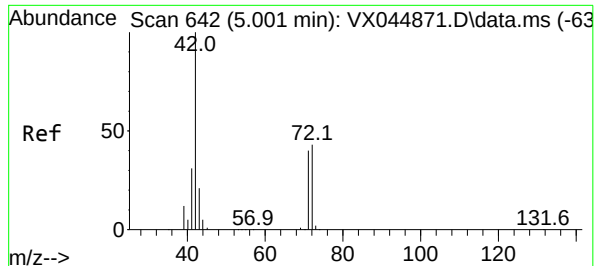
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 74.4 56.7 85.1





#29

Tetrahydrofuran

Concen: 24.429 ug/l

RT: 5.013 min Scan# 642

Delta R.T. 0.013 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

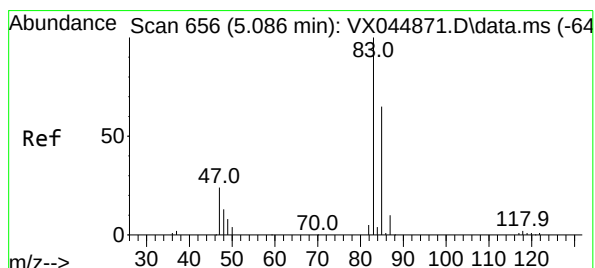
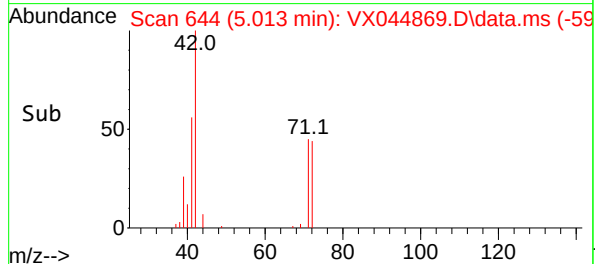
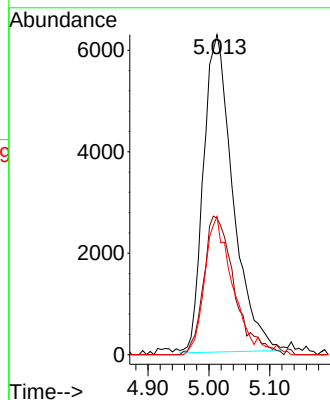
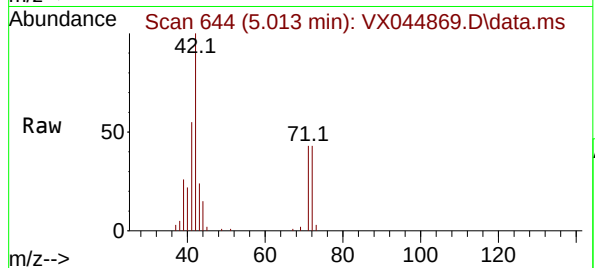
VSTDICC005

Tgt Ion:	42	Resp:	2109
Ion Ratio	Lower	Upper	
42	100		
72	45.3	35.0	52.4
71	41.6	32.6	48.8

Manual Integrations
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Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#30

Chloroform

Concen: 5.054 ug/l

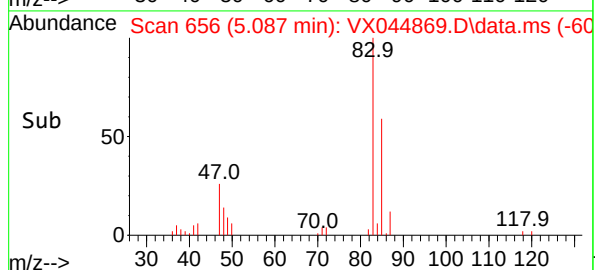
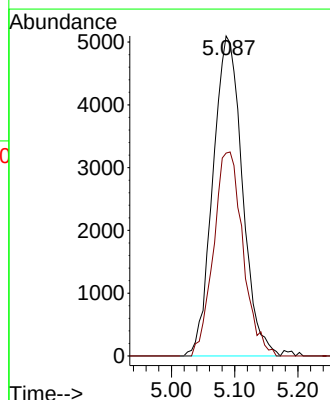
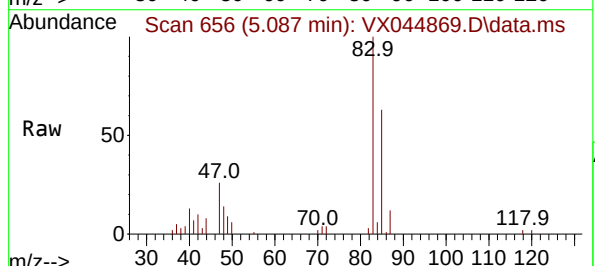
RT: 5.087 min Scan# 656

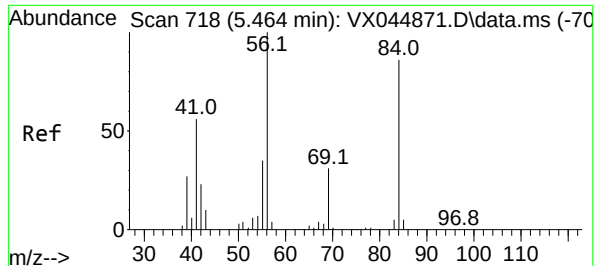
Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion:	83	Resp:	16449
Ion Ratio	Lower	Upper	
83	100		
85	63.4	52.1	78.1





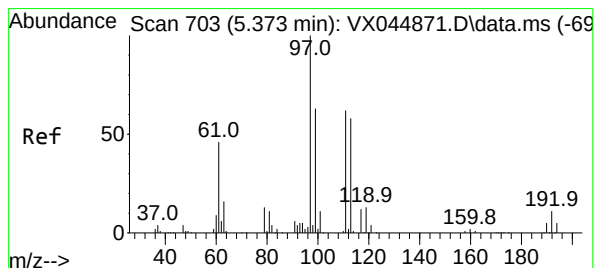
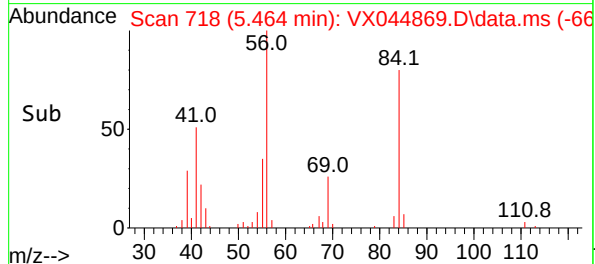
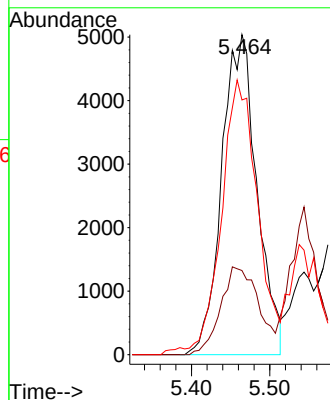
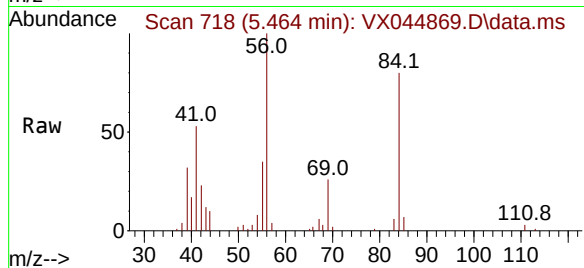
#31
Cyclohexane
Concen: 5.076 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 56 Resp: 1570
Ion Ratio Lower Upper
56 100
69 26.3 24.4 36.6
84 77.4 69.0 103.6

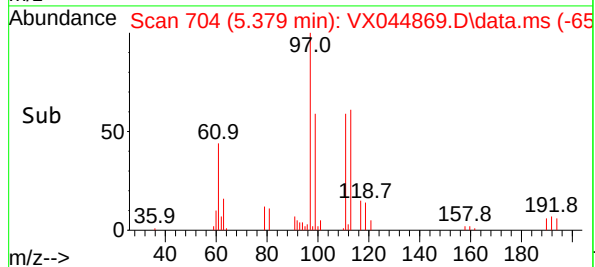
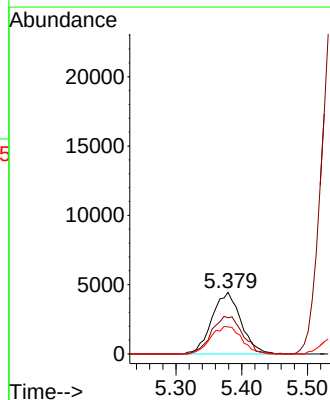
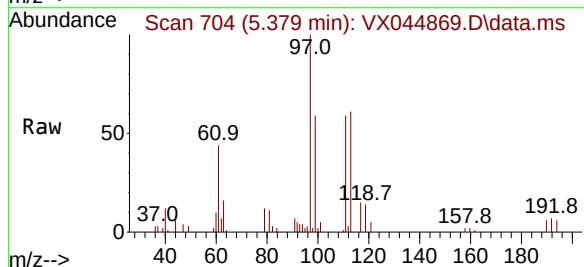
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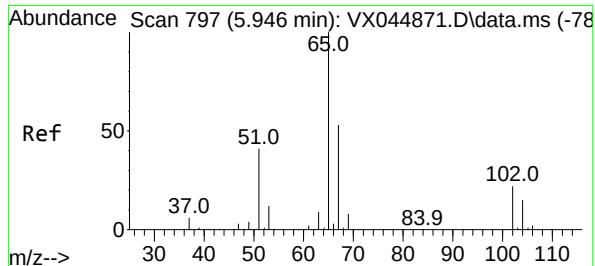
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#32
1,1,1-Trichloroethane
Concen: 4.947 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 97 Resp: 13658
Ion Ratio Lower Upper
97 100
99 65.0 51.0 76.6
61 47.3 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 5.219 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 65 Resp: 1039

Ion Ratio Lower Upper

65 100

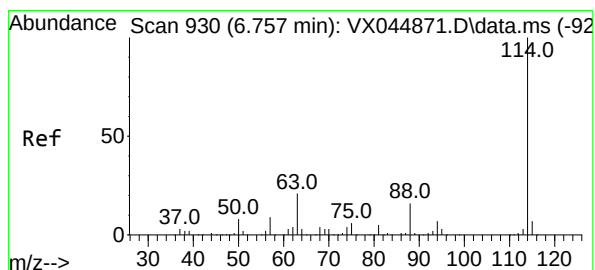
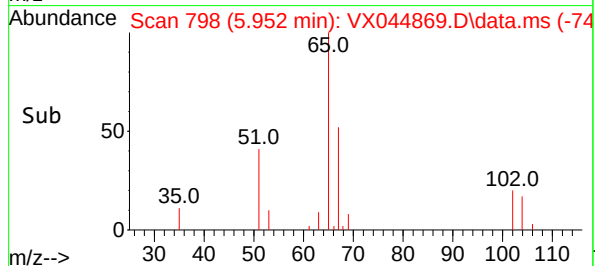
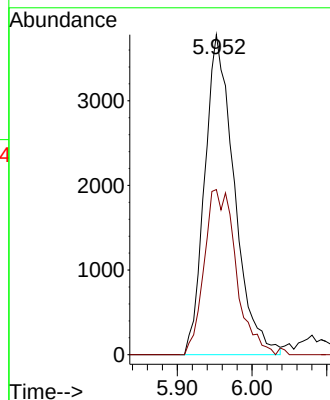
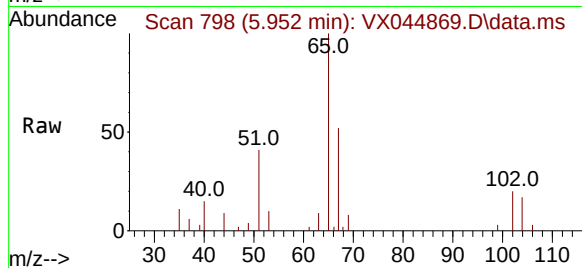
67 55.6 0.0 108.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

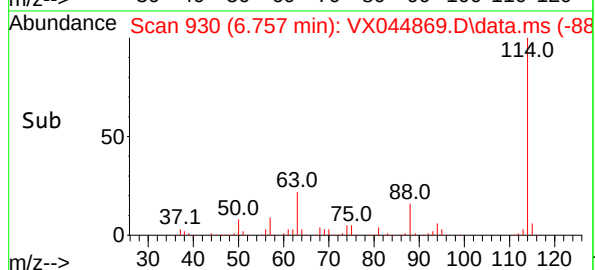
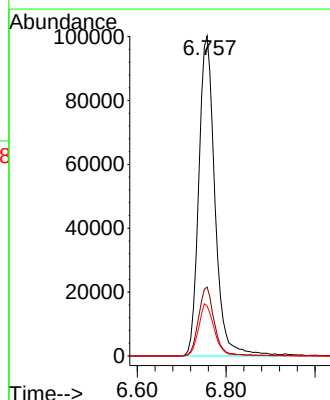
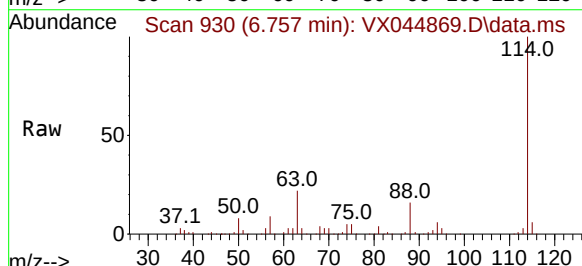
Tgt Ion:114 Resp: 253314

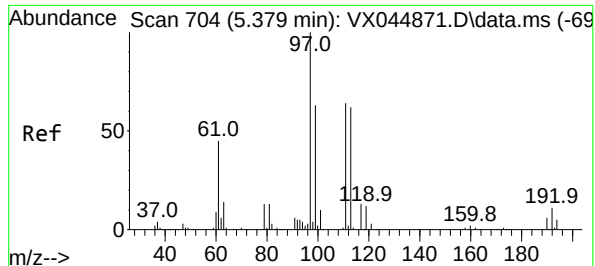
Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.4

88 15.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 5.150 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion:113 Resp: 848

Ion Ratio Lower Upper

113 100

111 104.6 83.5 125.3

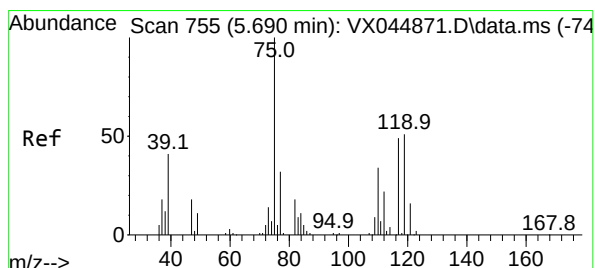
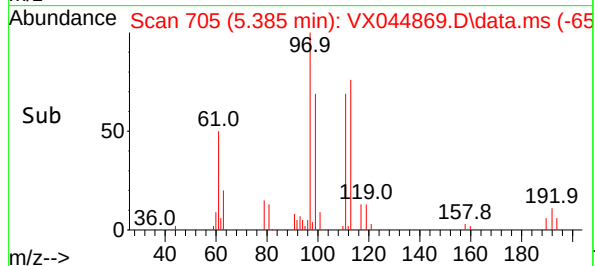
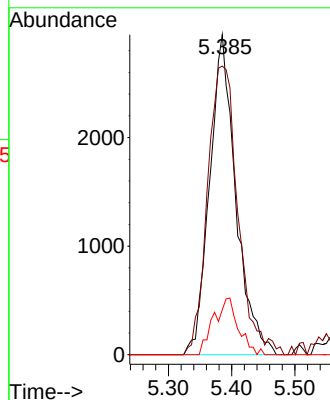
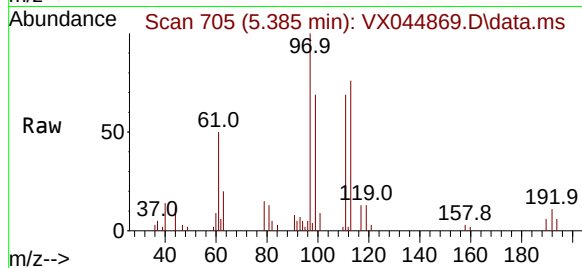
192 16.7 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#36

1,1-Dichloropropene

Concen: 4.981 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

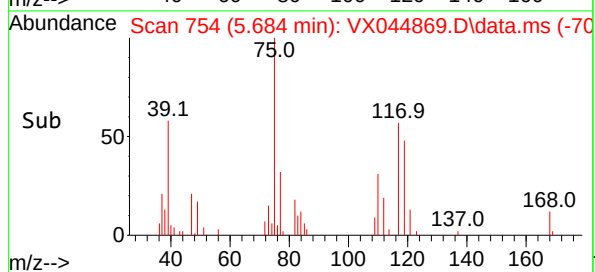
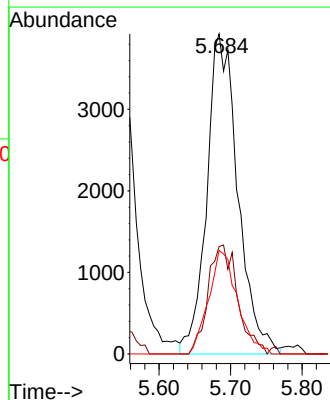
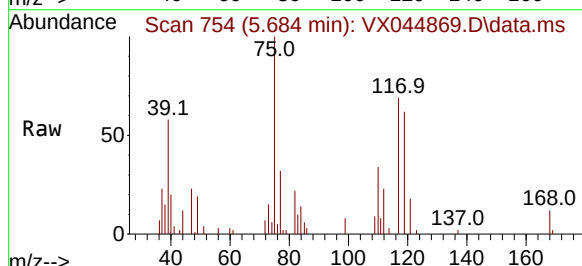
Tgt Ion: 75 Resp: 11835

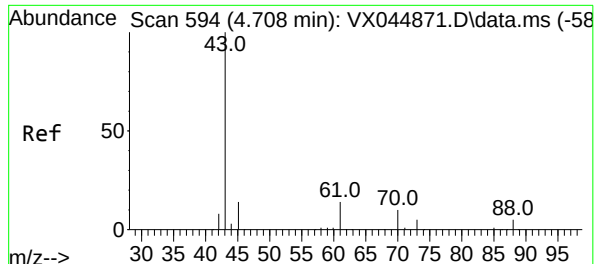
Ion Ratio Lower Upper

75 100

110 32.4 17.2 51.6

77 30.0 24.6 37.0





#37

Ethyl Acetate

Concen: 5.122 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.013 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

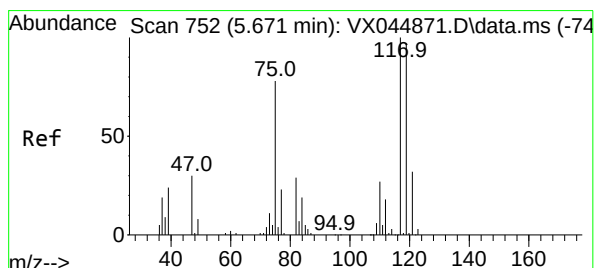
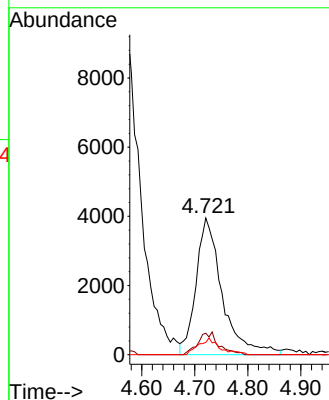
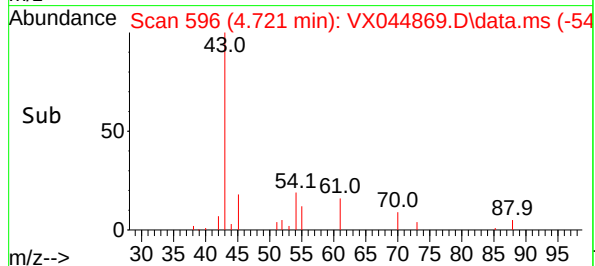
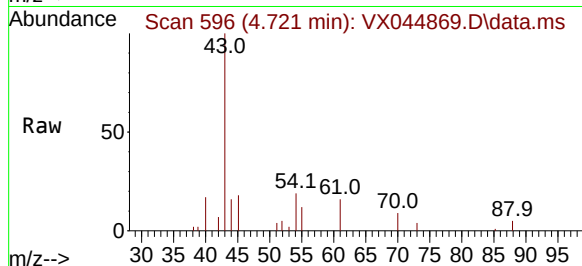
VSTDICC005

Tgt Ion:	43	Resp:	13530
Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.0	16.4
70	9.8	8.2	12.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#38

Carbon Tetrachloride

Concen: 5.066 ug/l

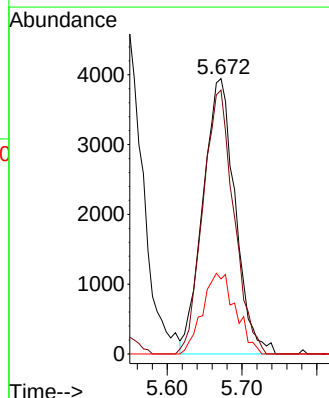
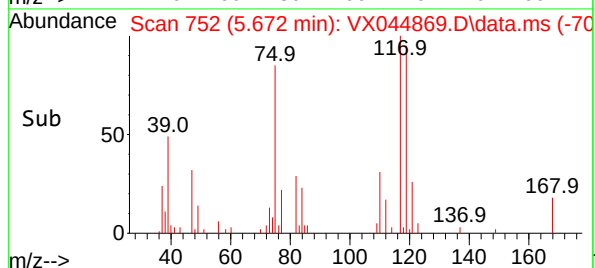
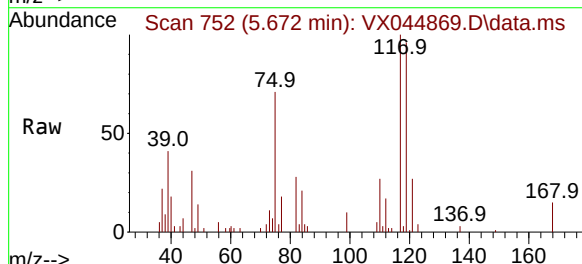
RT: 5.672 min Scan# 752

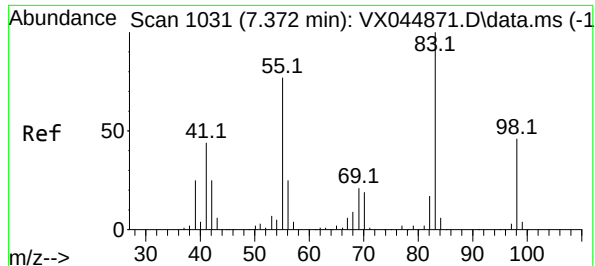
Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion:	117	Resp:	11797
Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.5	116.3
121	27.2	25.6	38.4





#39

Methylcyclohexane

Concen: 4.711 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 83 Resp: 1447

Ion Ratio Lower Upper

83 100

55 81.7 61.3 91.9

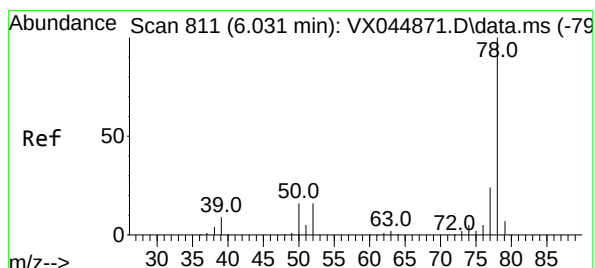
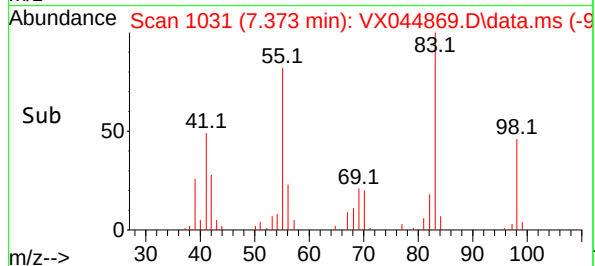
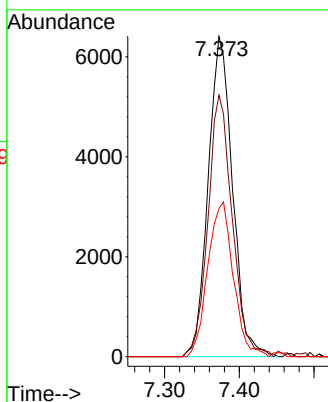
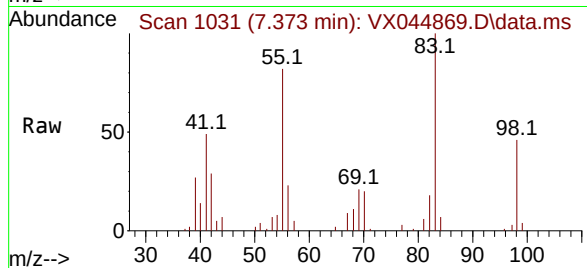
98 46.3 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#40

Benzene

Concen: 5.079 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.006 min

Lab File: VX044869.D

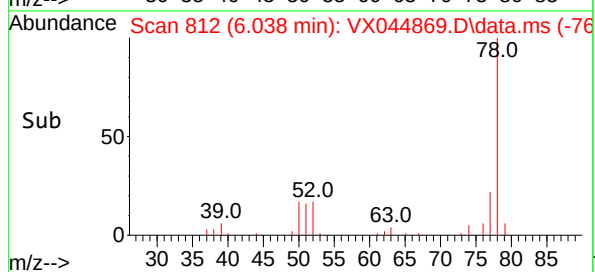
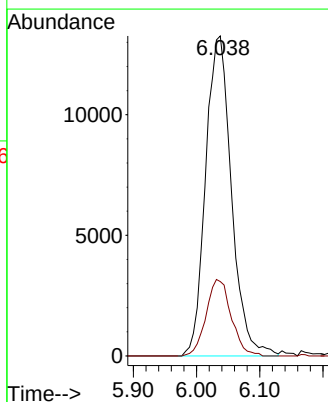
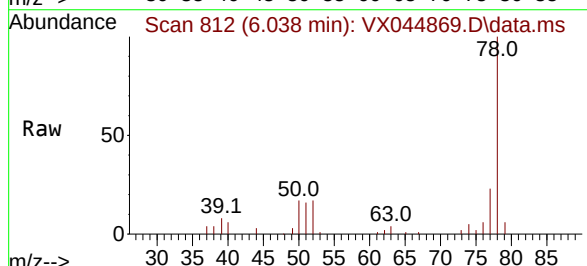
Acq: 10 Feb 2025 10:48

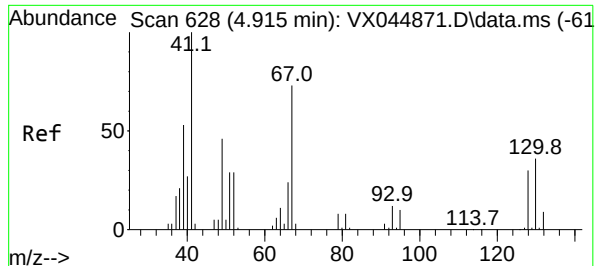
Tgt Ion: 78 Resp: 37687

Ion Ratio Lower Upper

78 100

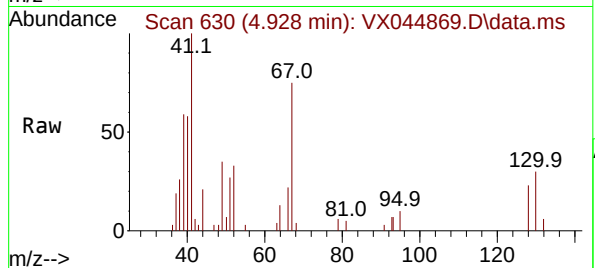
77 23.3 19.0 28.6





#41
Methacrylonitrile
Concen: 4.699 ug/l
RT: 4.928 min Scan# 61
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

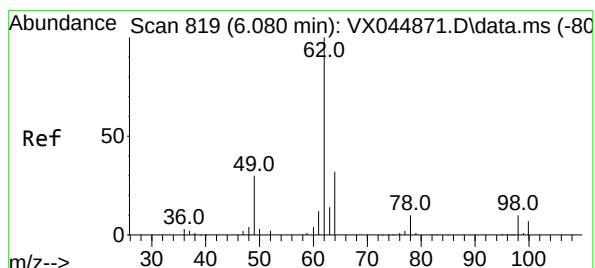
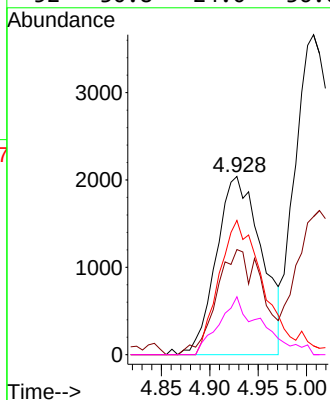
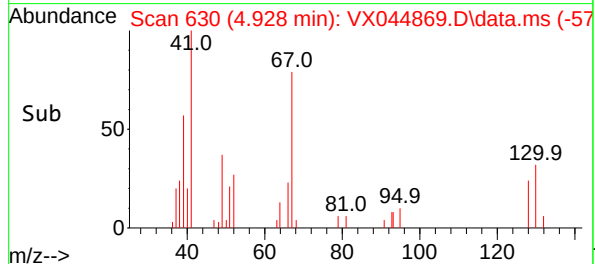
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



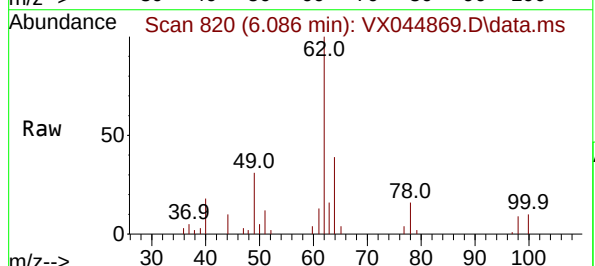
Tgt Ion: 41 Resp: 664
Ion Ratio Lower Upper
41 100
39 59.4 43.1 64.7
67 72.7 57.0 85.6
52 30.8 24.0 36.0

Manual Integrations
APPROVED

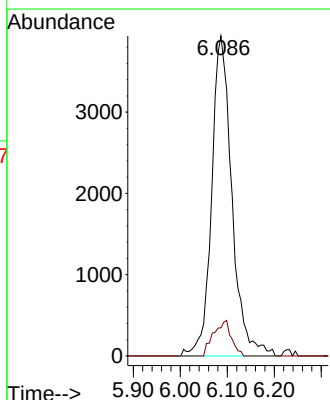
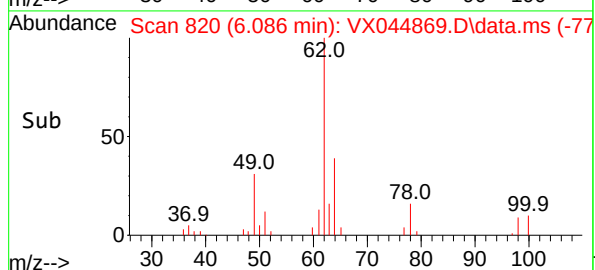
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

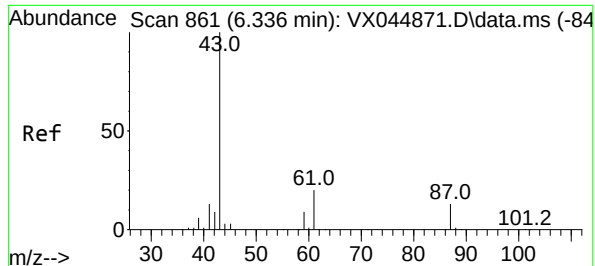


#42
1,2-Dichloroethane
Concen: 4.985 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48



Tgt Ion: 62 Resp: 11789
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.4





#43

Isopropyl Acetate

Concen: 4.640 ug/l

RT: 6.342 min Scan# 862

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 1980

Ion Ratio Lower Upper

43 100

61 20.2 15.8 23.8

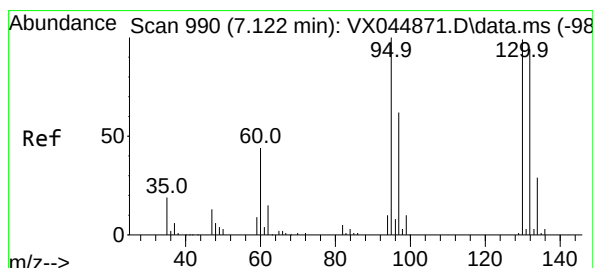
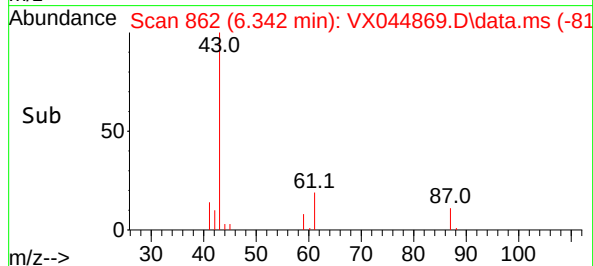
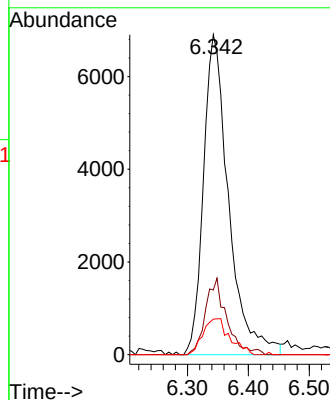
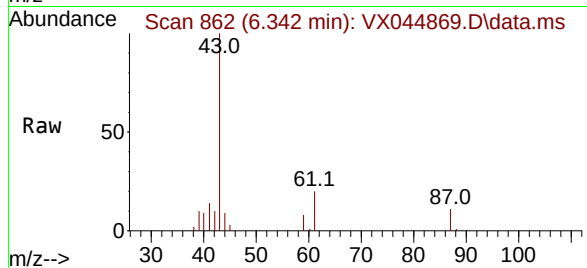
87 11.9 10.0 15.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#44

Trichloroethene

Concen: 5.079 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX044869.D

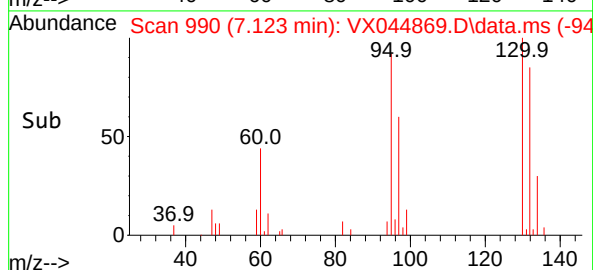
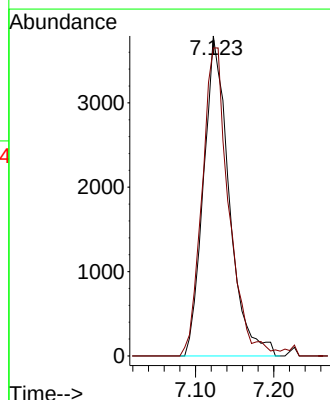
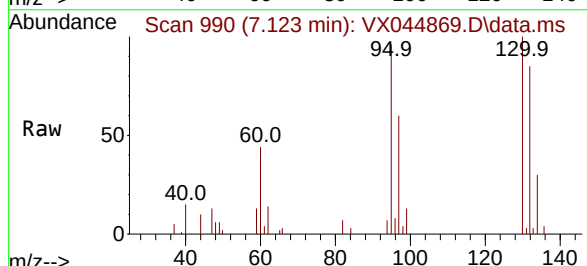
Acq: 10 Feb 2025 10:48

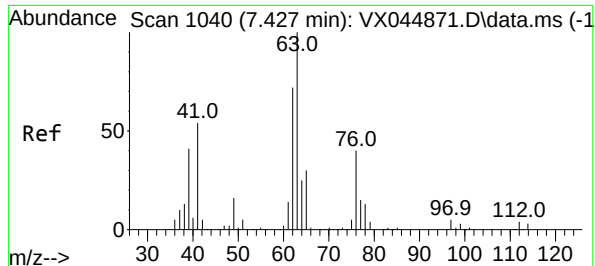
Tgt Ion:130 Resp: 8614

Ion Ratio Lower Upper

130 100

95 96.2 0.0 202.4





#45

1,2-Dichloropropane

Concen: 4.863 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 8970

Ion Ratio Lower Upper

63 100

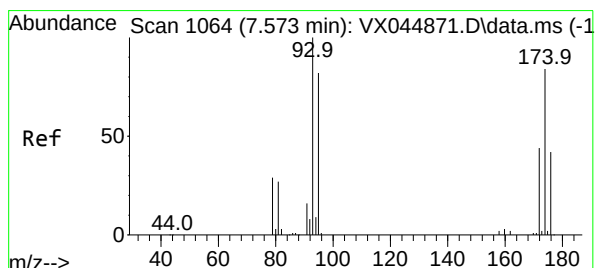
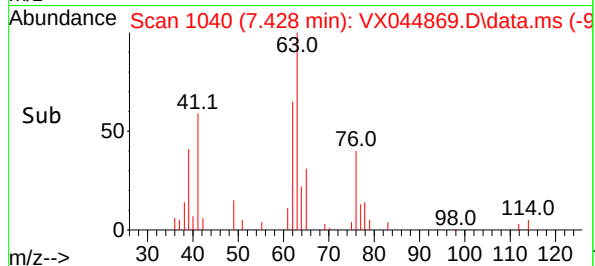
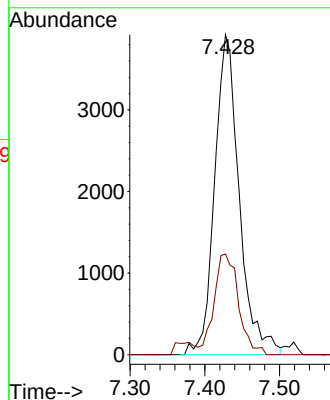
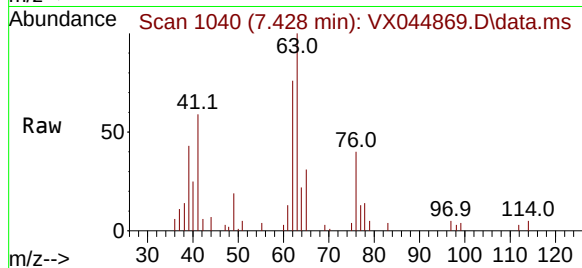
65 31.4 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#46

Dibromomethane

Concen: 4.851 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. 0.013 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

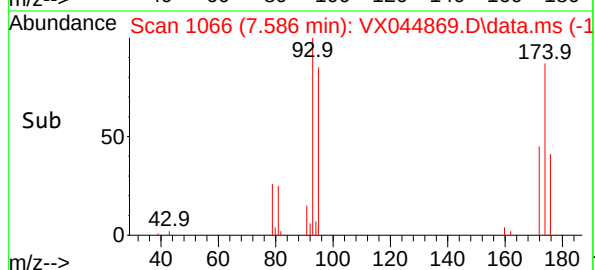
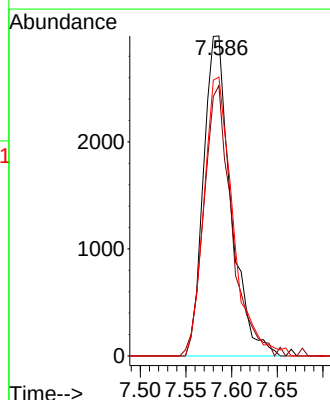
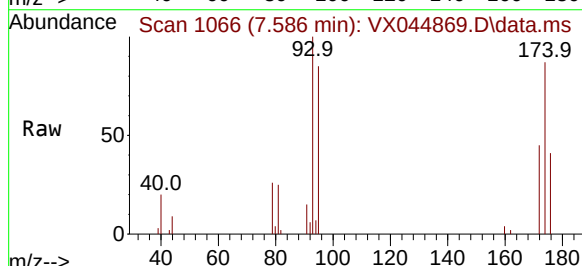
Tgt Ion: 93 Resp: 6210

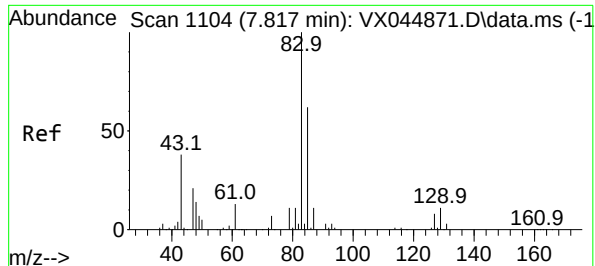
Ion Ratio Lower Upper

93 100

95 86.4 66.2 99.4

174 92.2 69.9 104.9





#47

Bromodichloromethane

Concen: 4.911 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

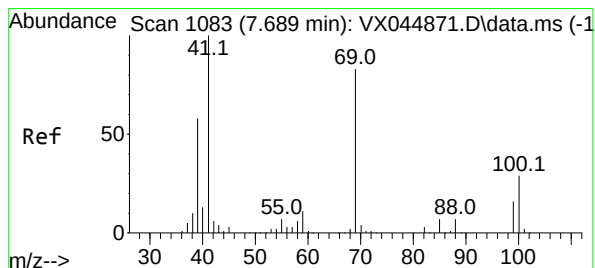
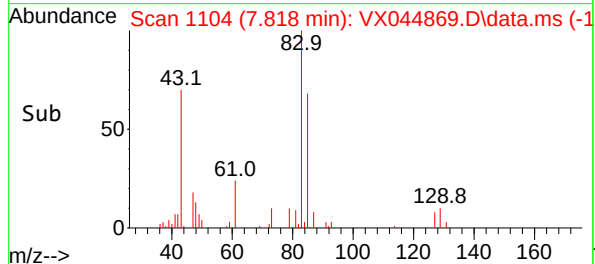
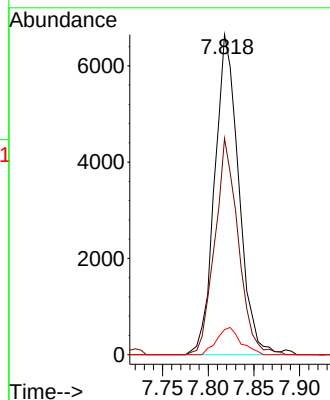
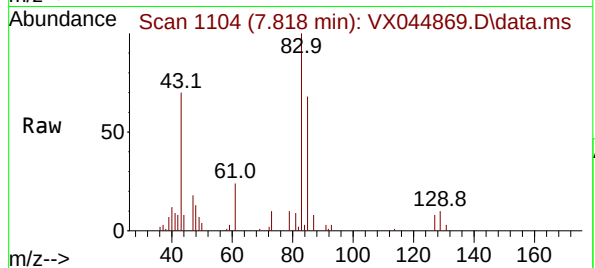
VSTDIC005

Tgt Ion:	83	Resp:	1217
Ion	Ratio	Lower	Upper
83	100		
85	67.6	50.0	75.0
127	7.8	6.4	9.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#48

Methyl methacrylate

Concen: 4.620 ug/l

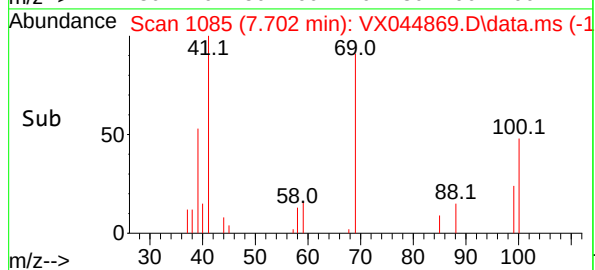
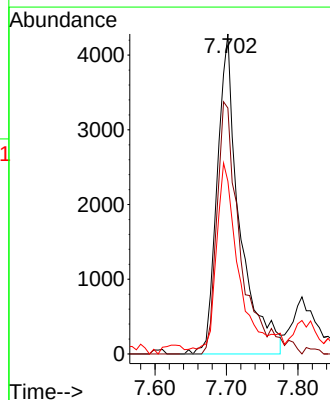
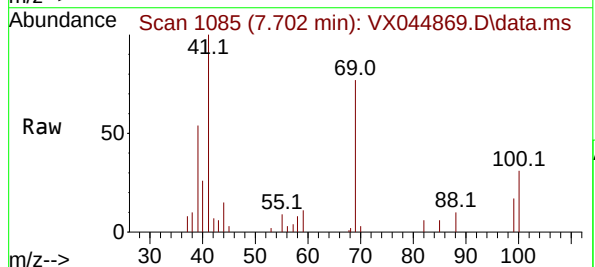
RT: 7.702 min Scan# 1085

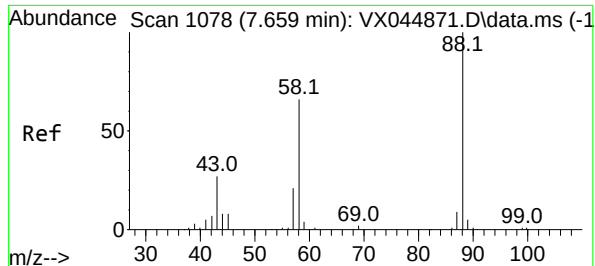
Delta R.T. 0.013 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion:	41	Resp:	9298
Ion	Ratio	Lower	Upper
41	100		
69	83.0	65.8	98.8
39	54.6	46.4	69.6





#49

1,4-Dioxane

Concen: 101.099 ug/l

RT: 7.678 min Scan# 1081

Delta R.T. 0.019 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

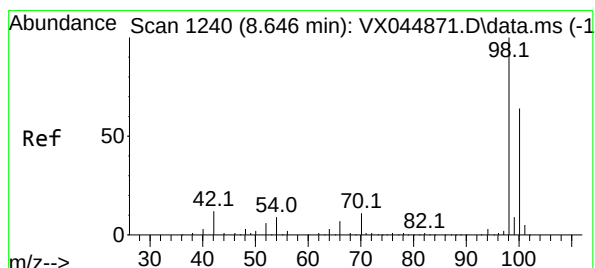
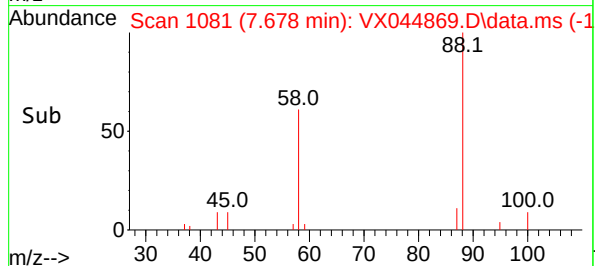
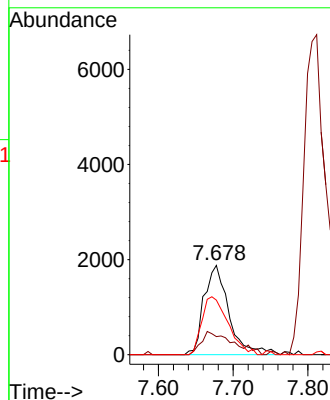
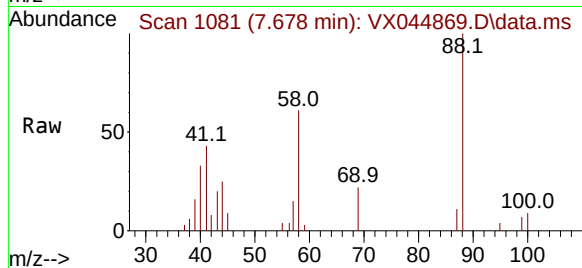
VSTDIC005

Tgt Ion:	88	Resp:	436
Ion Ratio	Lower	Upper	
88	100		
43	32.3	26.6	39.8
58	67.9	55.9	83.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#50

Toluene-d8

Concen: 5.039 ug/l

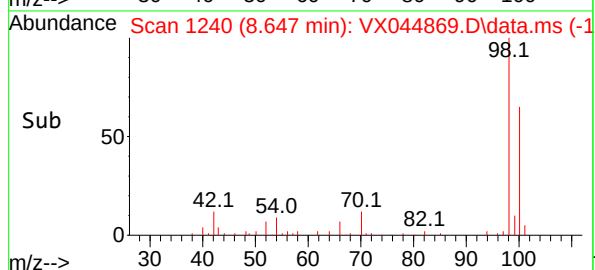
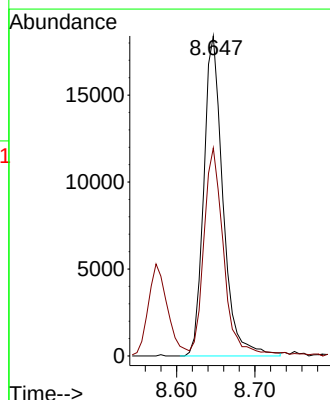
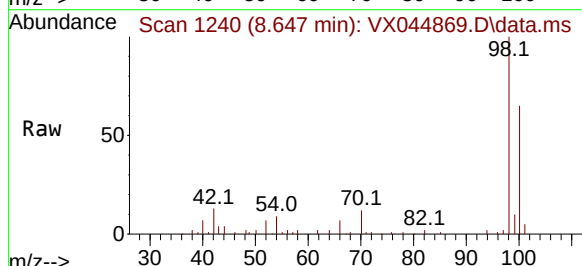
RT: 8.647 min Scan# 1240

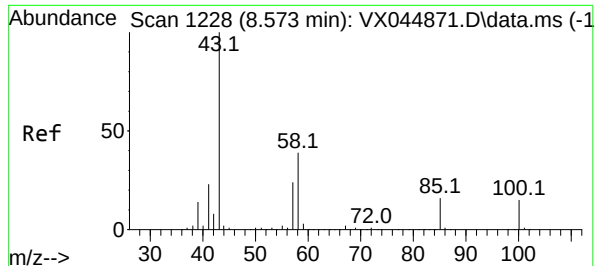
Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion:	98	Resp:	31381
Ion Ratio	Lower	Upper	
98	100		
100	67.8	52.7	79.1





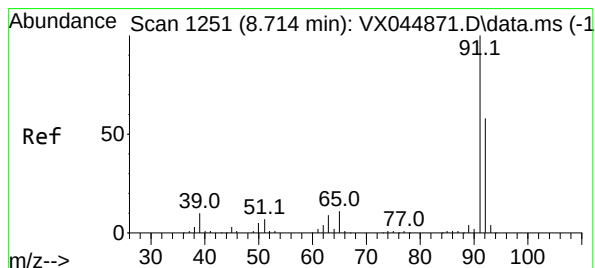
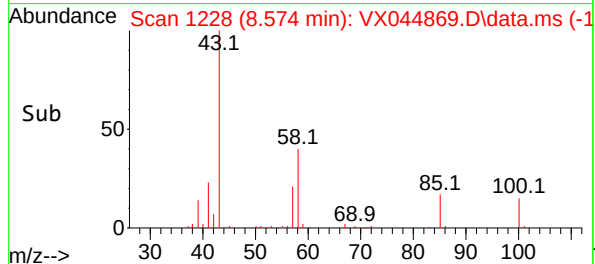
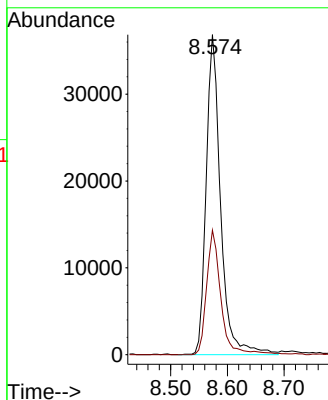
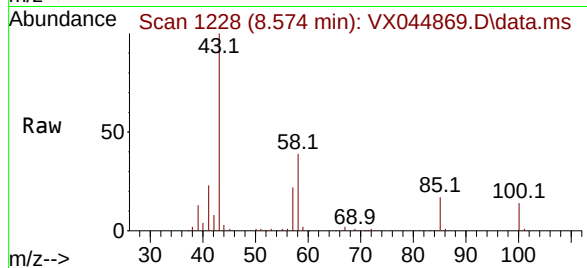
#51
4-Methyl-2-Pentanone
Concen: 25.076 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 65064
Ion Ratio Lower Upper
43 100
58 38.7 30.8 46.2

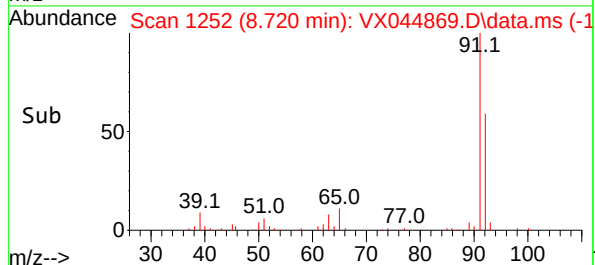
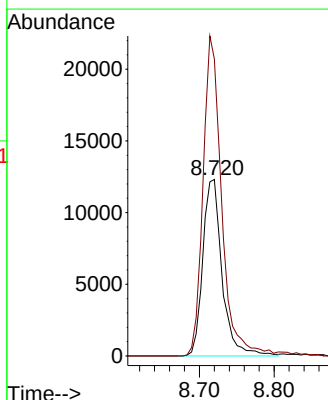
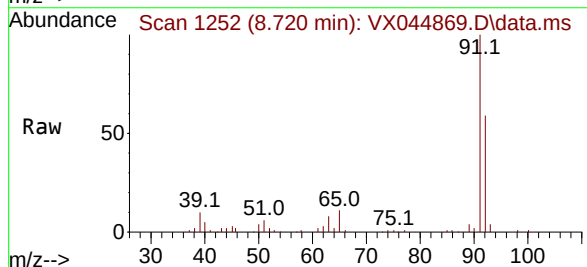
Manual Integrations
APPROVED

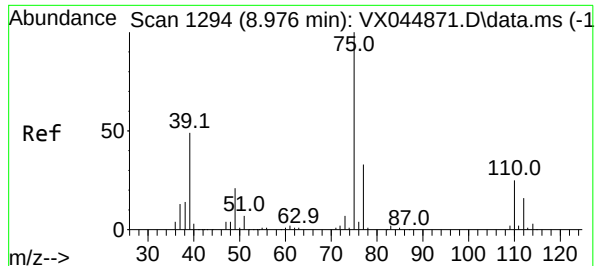
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#52
Toluene
Concen: 4.999 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 92 Resp: 22090
Ion Ratio Lower Upper
92 100
91 177.1 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 4.550 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 1141

Ion Ratio Lower Upper

75 100

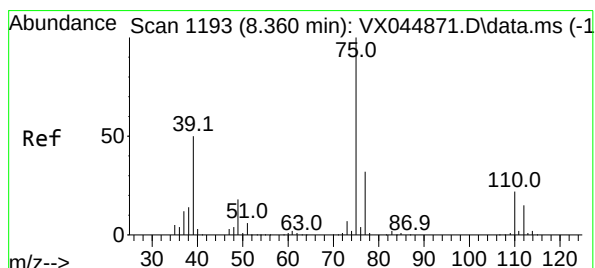
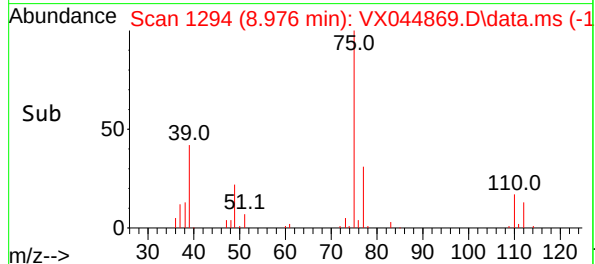
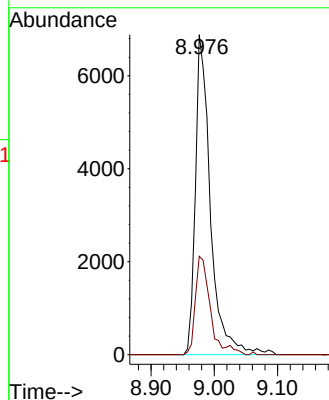
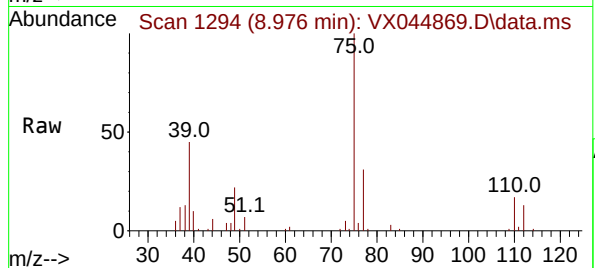
77 30.7 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#54

cis-1,3-Dichloropropene

Concen: 4.628 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

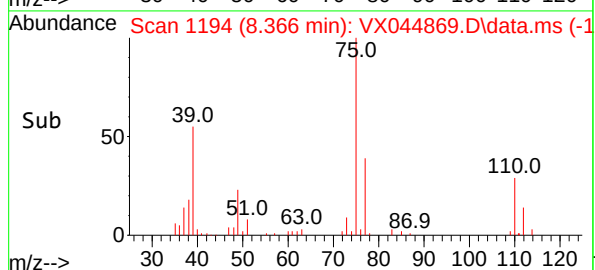
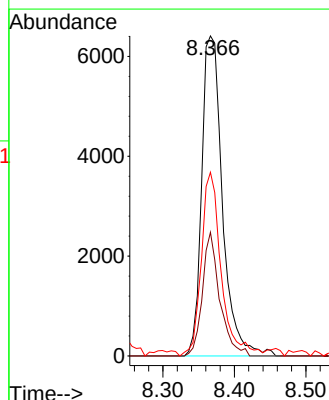
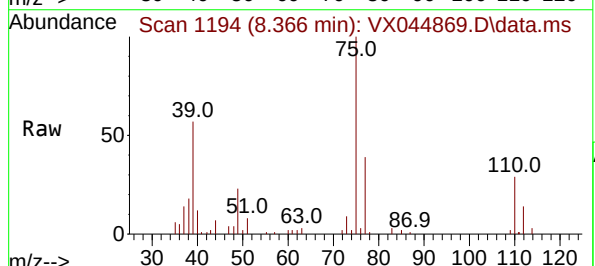
Tgt Ion: 75 Resp: 12943

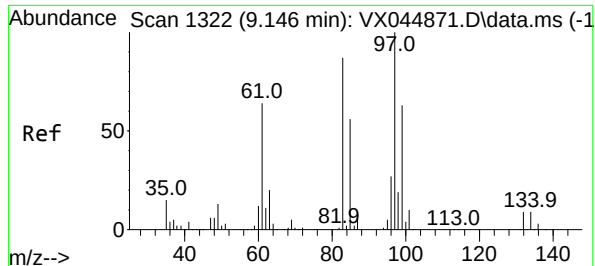
Ion Ratio Lower Upper

75 100

77 38.7 25.3 37.9#

39 57.4 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 5.099 ug/l

RT: 9.153 min Scan# 1322

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 866

Ion Ratio Lower Upper

97 100

83 86.1 69.8 104.6

85 58.3 44.8 67.2

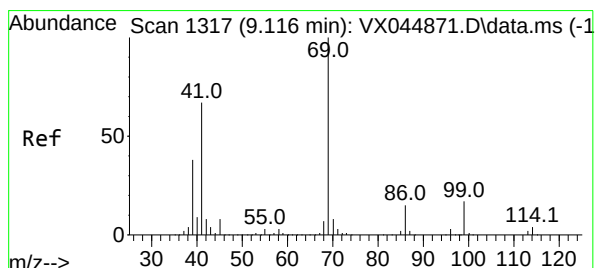
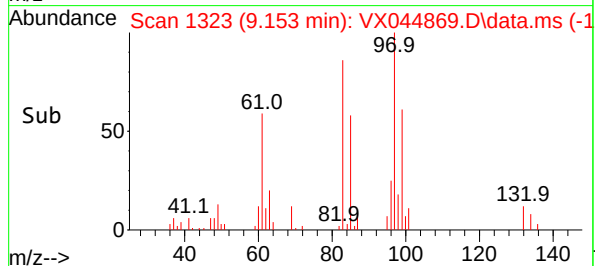
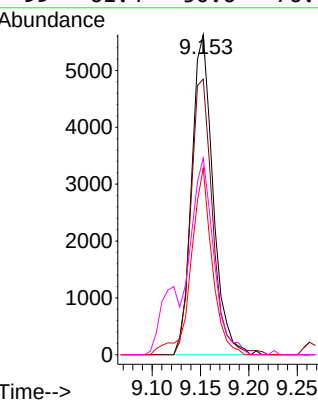
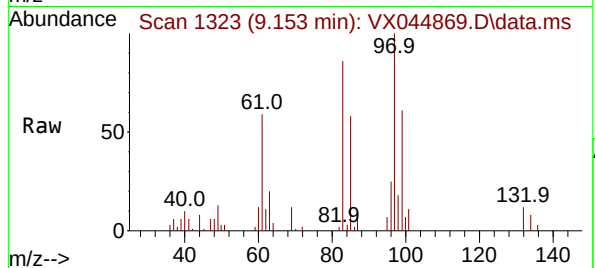
99 61.4 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#56

Ethyl methacrylate

Concen: 4.502 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

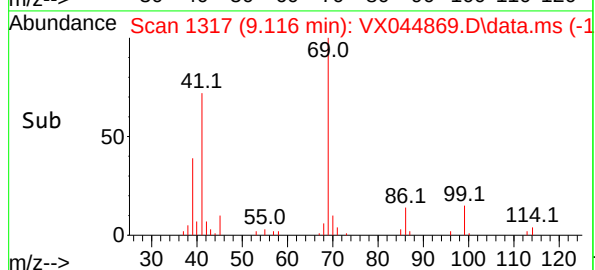
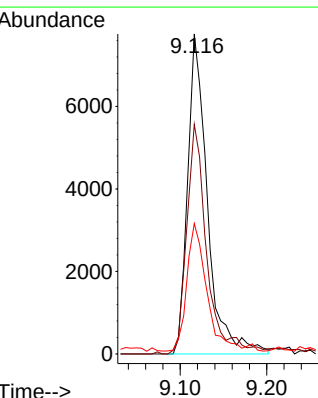
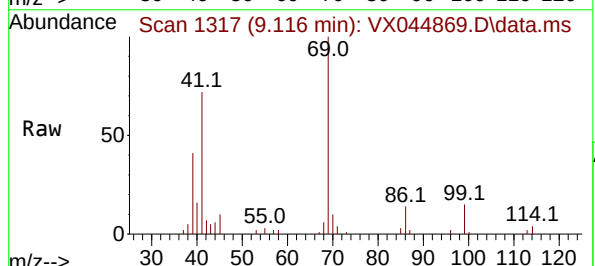
Tgt Ion: 69 Resp: 12351

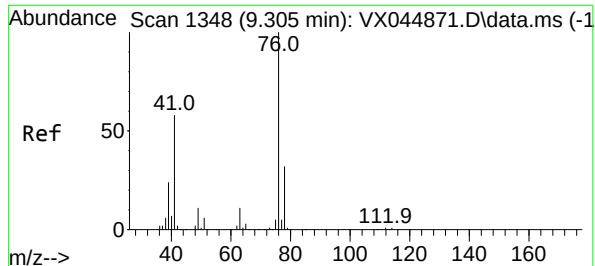
Ion Ratio Lower Upper

69 100

41 73.0 55.2 82.8

39 39.5 30.8 46.2





#57

1,3-Dichloropropane

Concen: 4.993 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 14839

Ion Ratio Lower Upper

76 100

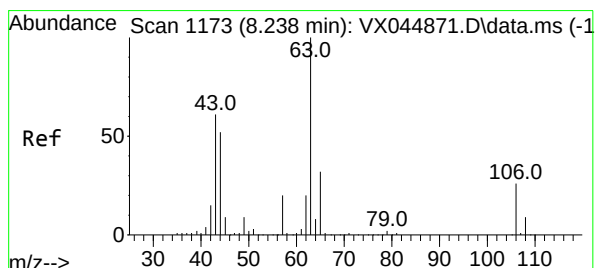
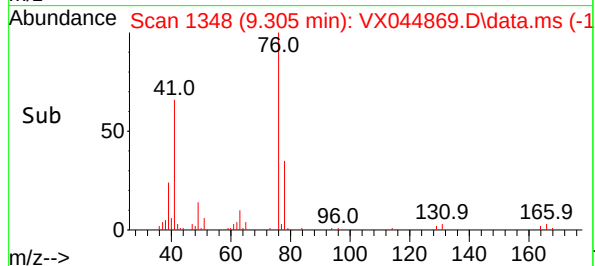
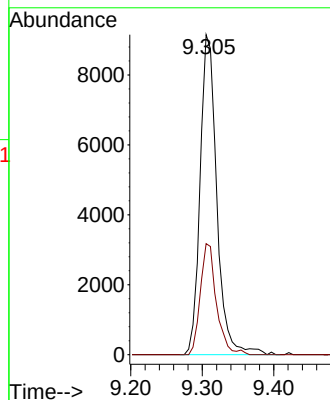
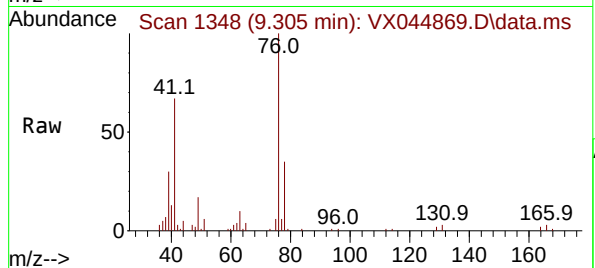
78 33.4 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#58

2-Chloroethyl Vinyl ether

Concen: 23.382 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044869.D

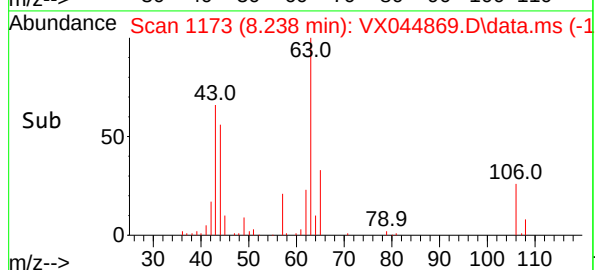
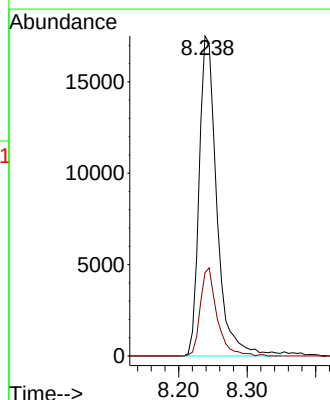
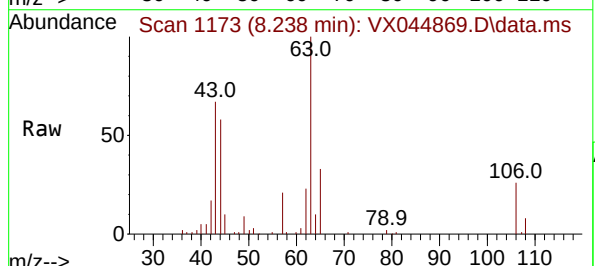
Acq: 10 Feb 2025 10:48

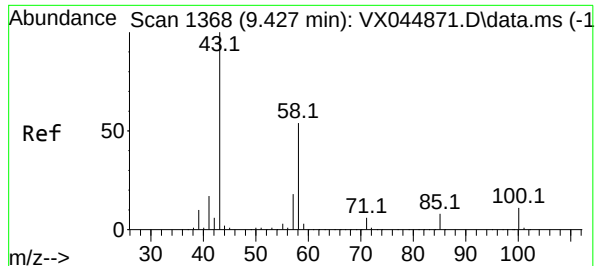
Tgt Ion: 63 Resp: 31498

Ion Ratio Lower Upper

63 100

106 25.8 21.3 31.9





#59

2-Hexanone

Concen: 24.359 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 45538

Ion Ratio Lower Upper

43 100

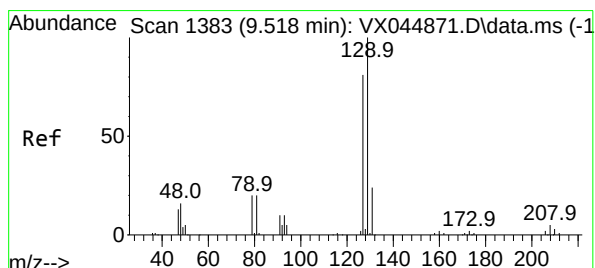
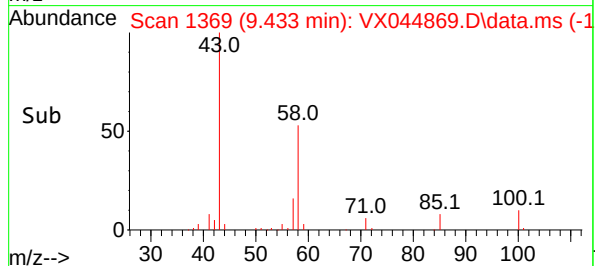
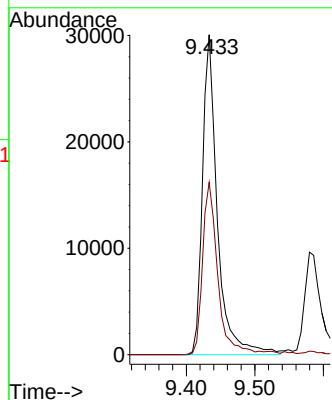
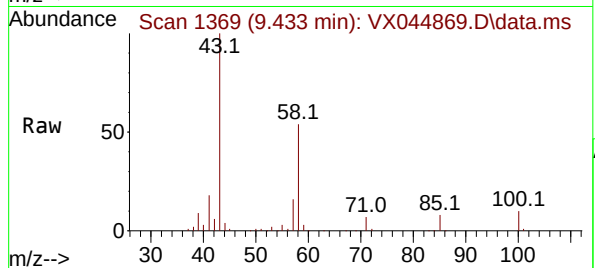
58 55.5 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#60

Dibromochloromethane

Concen: 4.771 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044869.D

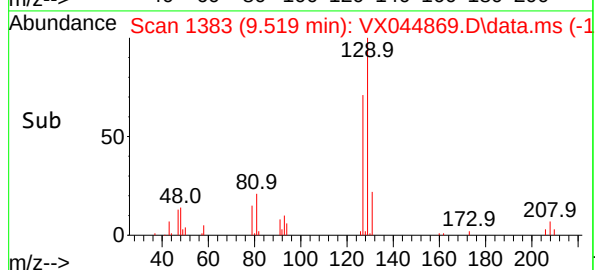
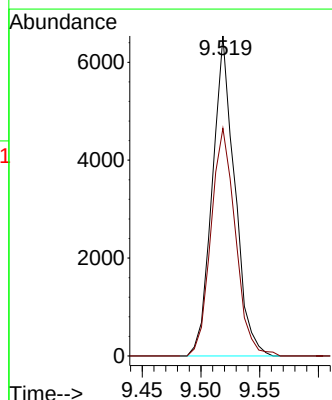
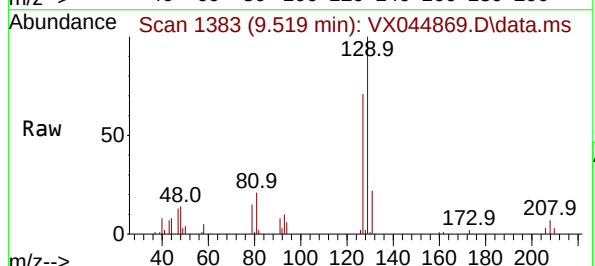
Acq: 10 Feb 2025 10:48

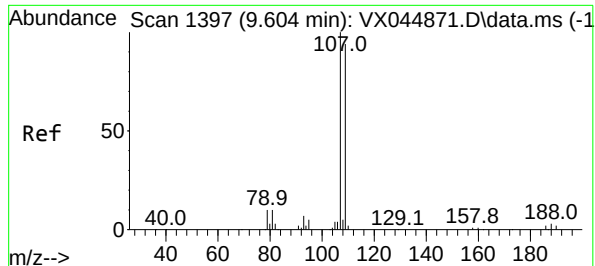
Tgt Ion:129 Resp: 8668

Ion Ratio Lower Upper

129 100

127 77.5 39.1 117.3





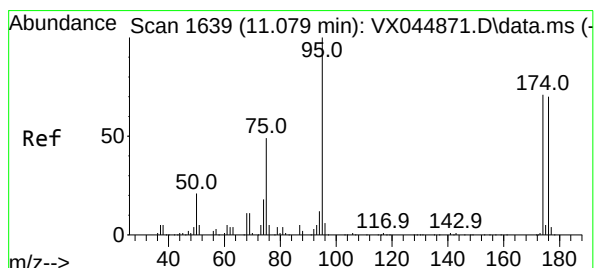
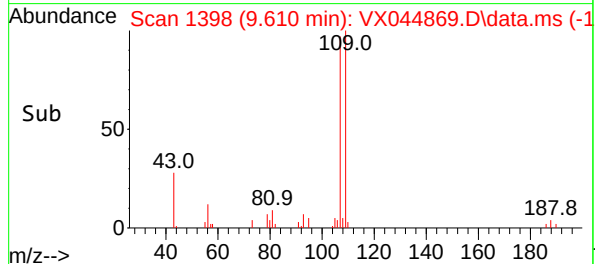
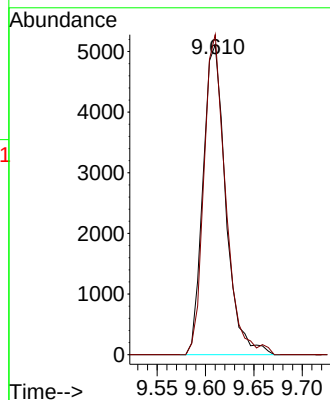
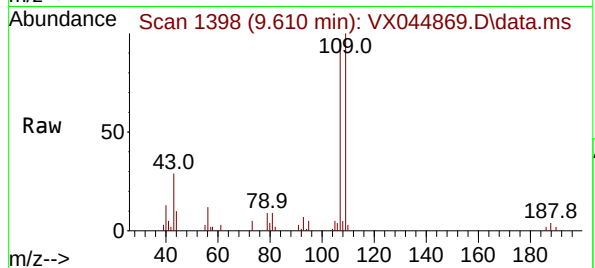
#61
1,2-Dibromoethane
Concen: 4.852 ug/l
RT: 9.610 min Scan# 1397
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 835
Ion Ratio Lower Upper
107 100
109 98.8 75.9 113.9

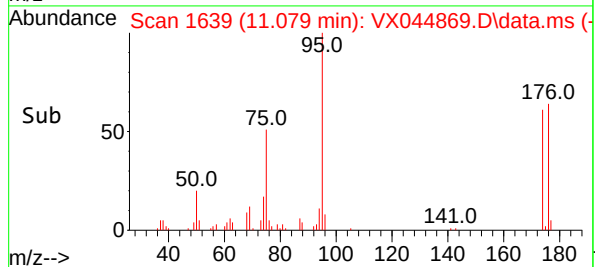
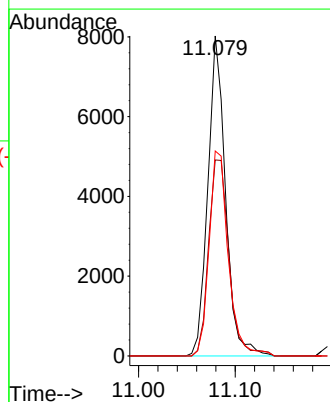
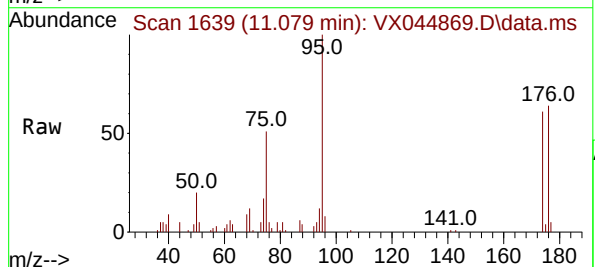
Manual Integrations
APPROVED

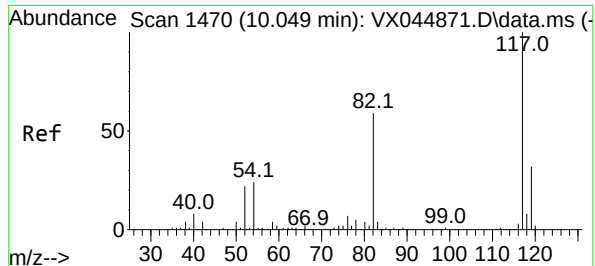
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#62
4-Bromofluorobenzene
Concen: 4.872 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 95 Resp: 10229
Ion Ratio Lower Upper
95 100
174 70.3 0.0 142.6
176 69.3 0.0 141.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

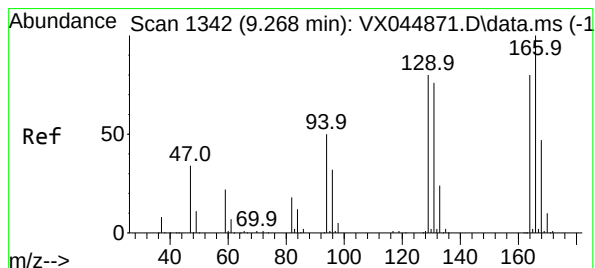
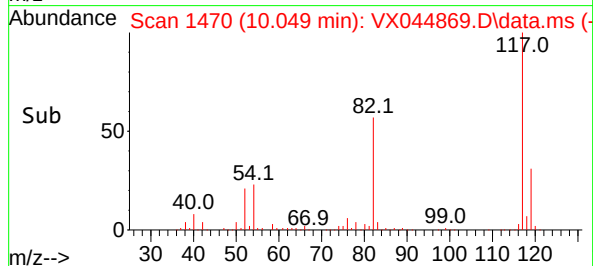
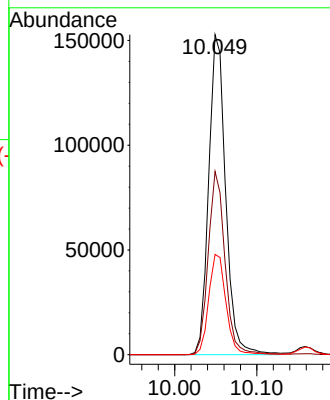
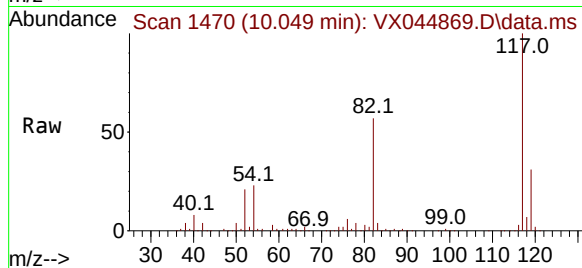
VSTDIC005

Tgt Ion:117	Resp: 21862
Ion Ratio	Lower Upper
117 100	
82 57.3	47.5 71.3
119 31.4	25.4 38.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#64

Tetrachloroethene

Concen: 4.934 ug/l

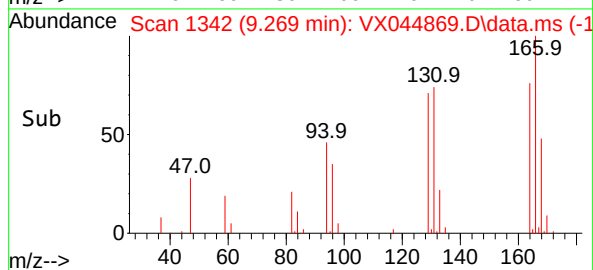
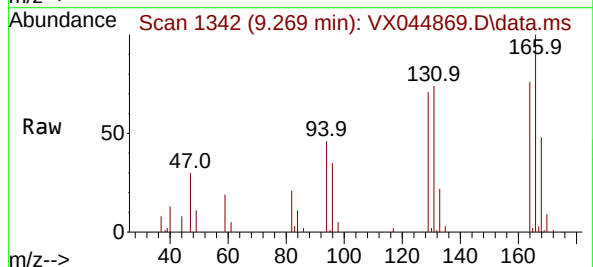
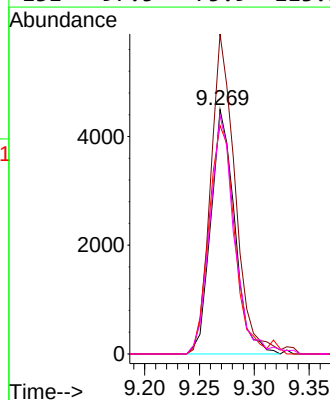
RT: 9.269 min Scan# 1342

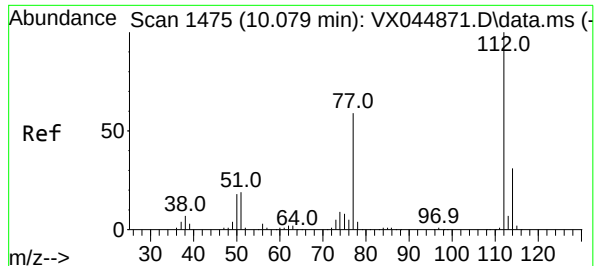
Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion:164	Resp: 6803
Ion Ratio	Lower Upper
164 100	
166 130.9	100.4 150.6
129 93.4	79.9 119.9
131 97.5	75.9 113.9





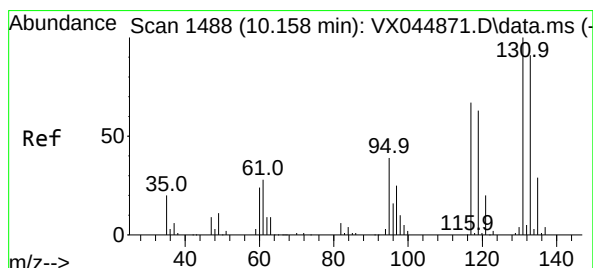
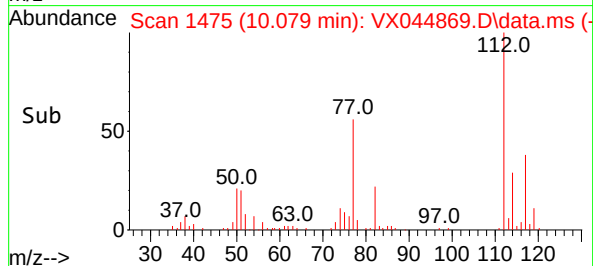
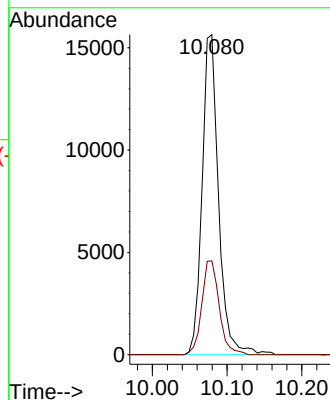
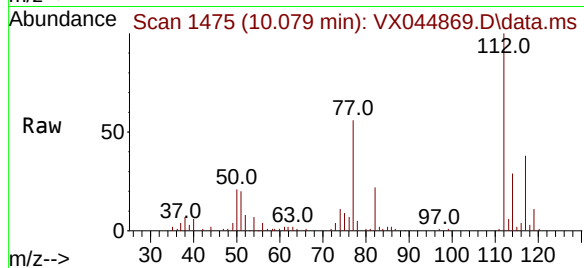
#65
Chlorobenzene
Concen: 5.090 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 2390
Ion Ratio Lower Upper
112 100
114 29.3 25.0 37.6

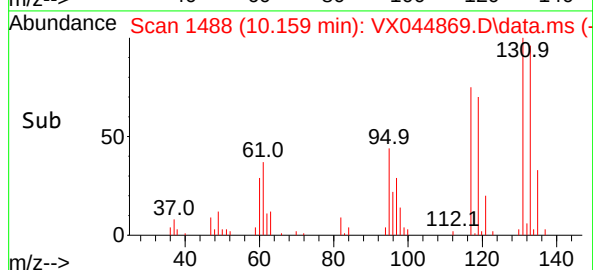
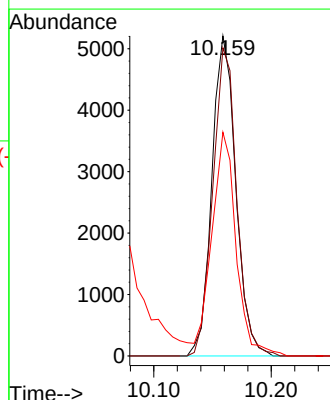
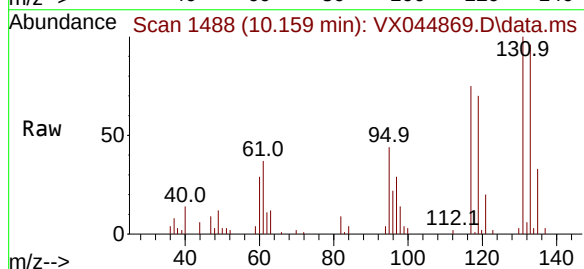
Manual Integrations
APPROVED

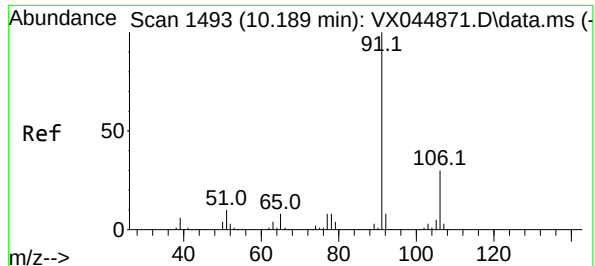
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 4.883 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:131 Resp: 7380
Ion Ratio Lower Upper
131 100
133 96.2 47.1 141.3
119 70.5 33.6 100.6





#67

Ethyl Benzene

Concen: 4.941 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 4094

Ion Ratio Lower Upper

91 100

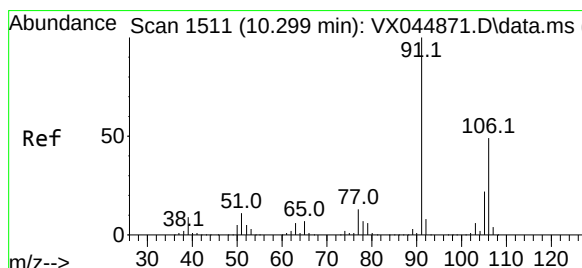
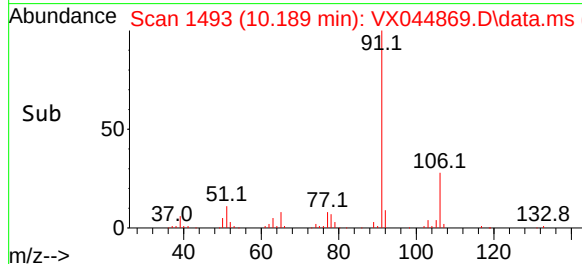
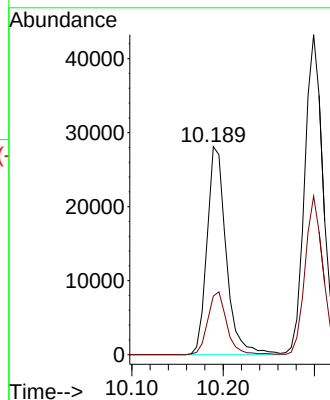
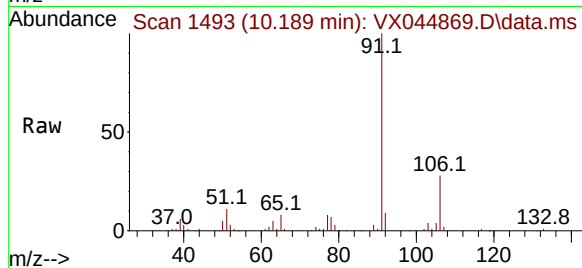
106 28.1 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#68

m/p-Xylenes

Concen: 10.019 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044869.D

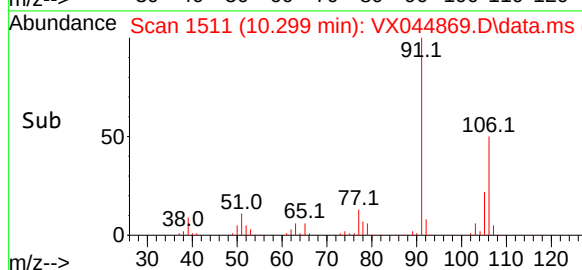
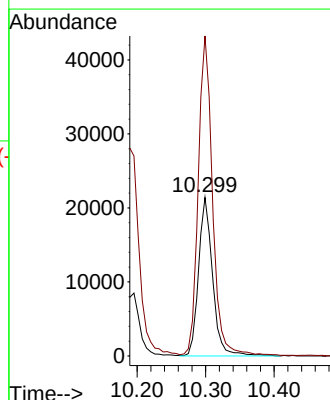
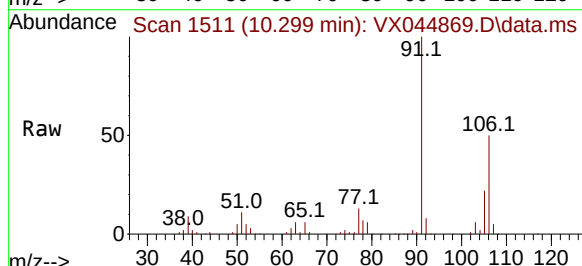
Acq: 10 Feb 2025 10:48

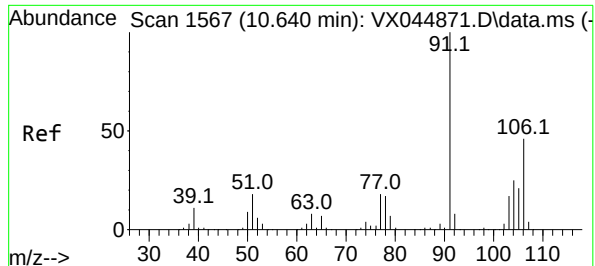
Tgt Ion:106 Resp: 30627

Ion Ratio Lower Upper

106 100

91 204.6 164.3 246.5





#69

o-Xylene

Concen: 5.139 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 1576

Ion Ratio Lower Upper

106 100

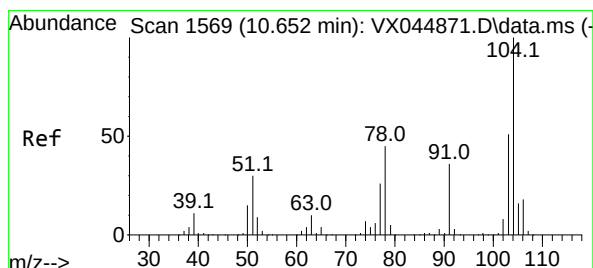
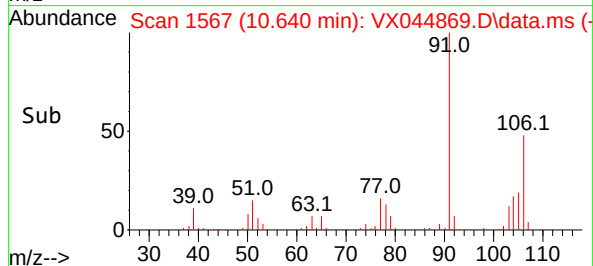
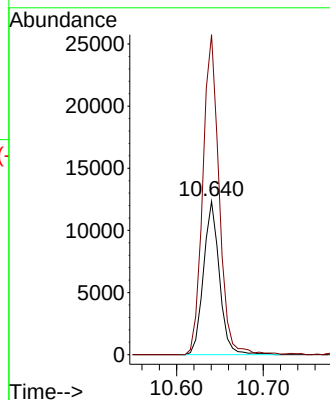
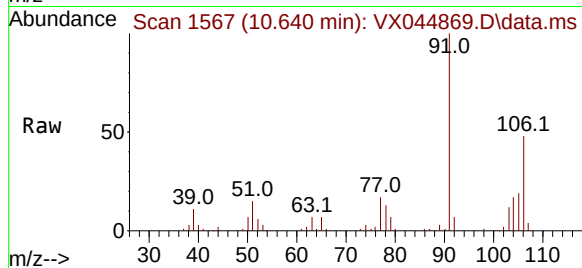
91 213.9 108.5 325.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#70

Styrene

Concen: 4.973 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

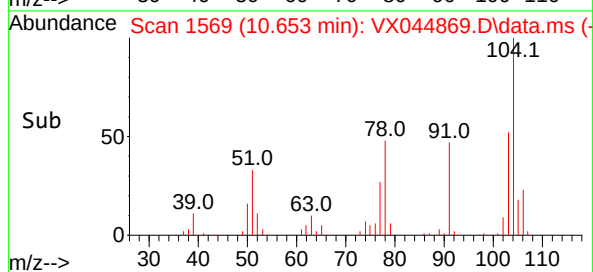
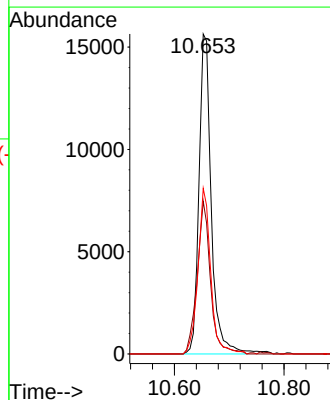
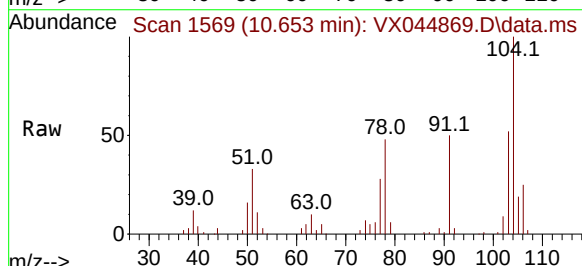
Tgt Ion:104 Resp: 24576

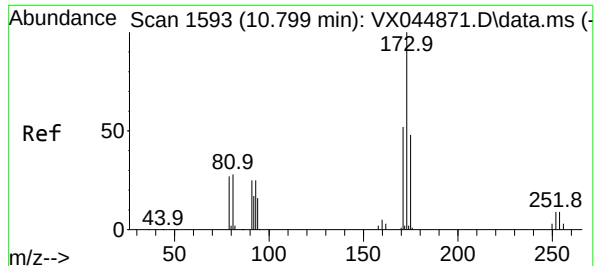
Ion Ratio Lower Upper

104 100

78 51.3 40.5 60.7

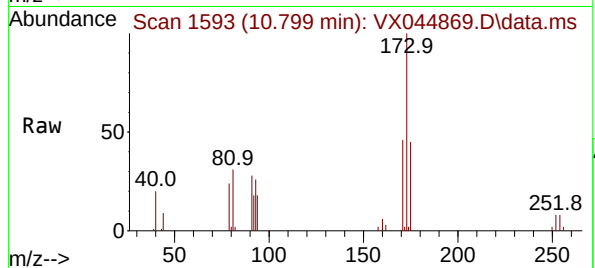
103 53.4 43.6 65.4





#71
Bromoform
Concen: 4.779 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

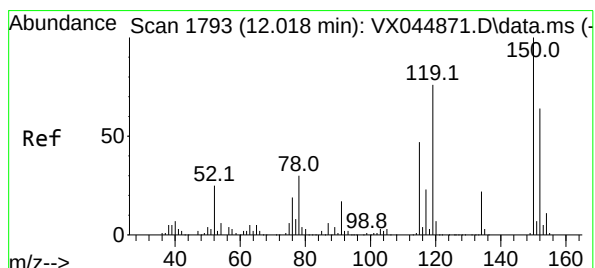
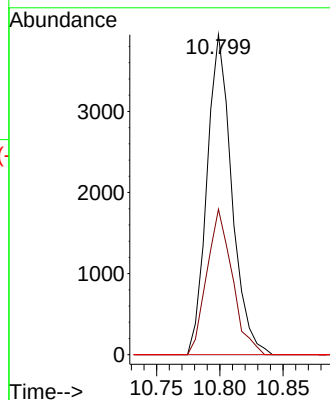
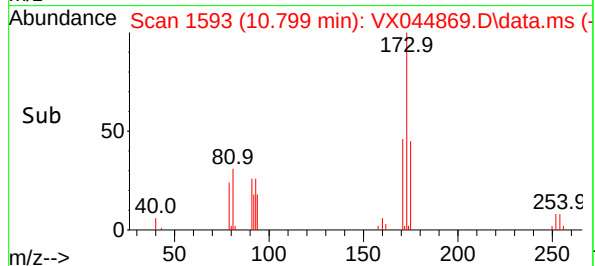
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



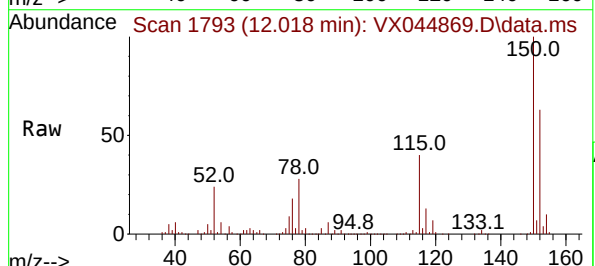
Tgt Ion:173 Resp: 539
Ion Ratio Lower Upper
173 100
175 46.6 24.3 72.8
254 0.0 0.0 0.0

Manual Integrations
APPROVED

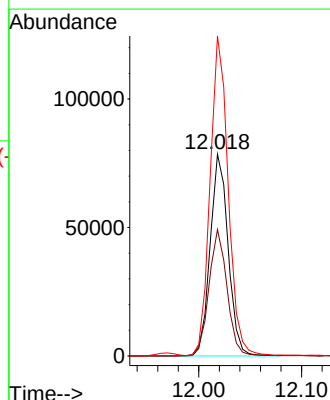
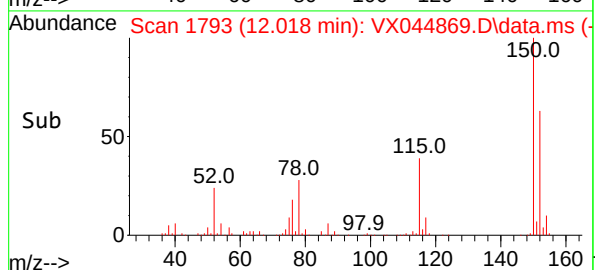
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

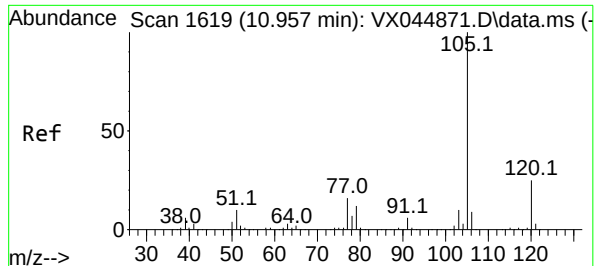


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48



Tgt Ion:152 Resp: 95494
Ion Ratio Lower Upper
152 100
115 63.3 43.4 130.1
150 159.0 0.0 350.4





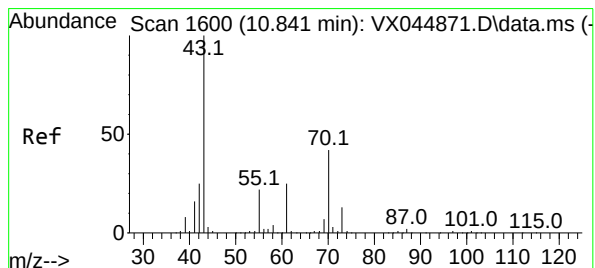
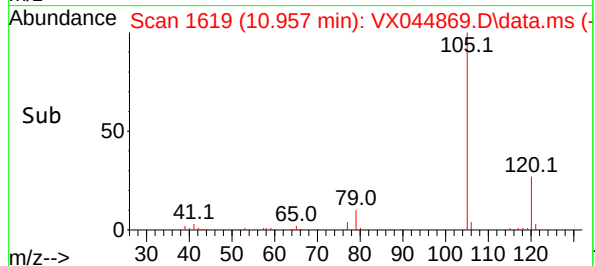
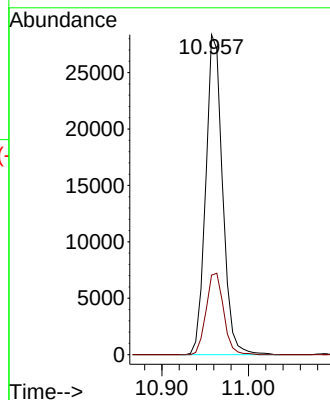
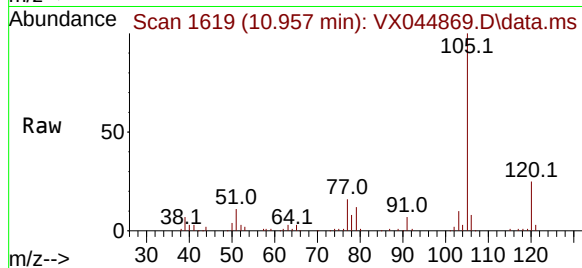
#73
Isopropylbenzene
Concen: 4.983 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 3831
Ion Ratio Lower Upper
105 100
120 26.5 13.2 39.5

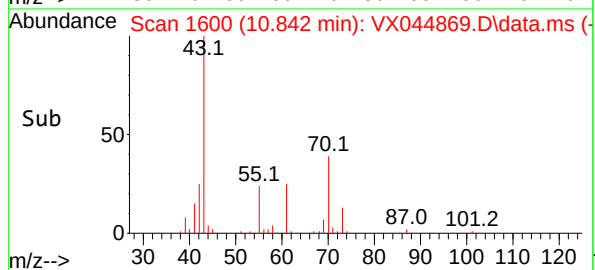
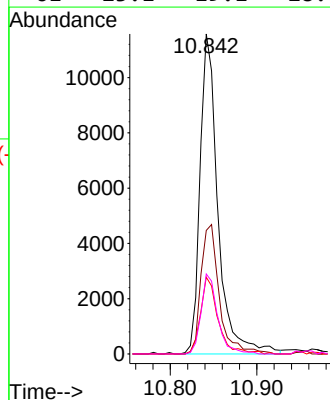
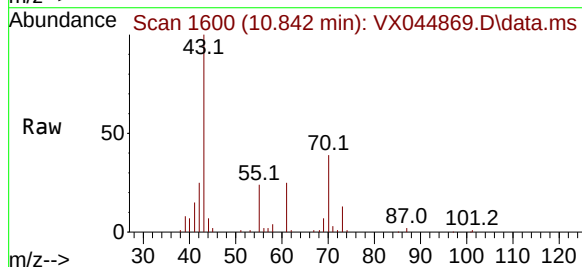
Manual Integrations
APPROVED

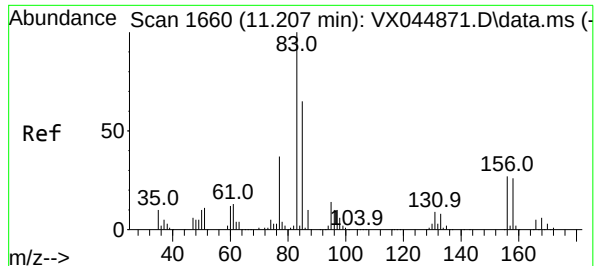
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#74
N-ethyl acetate
Concen: 4.786 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

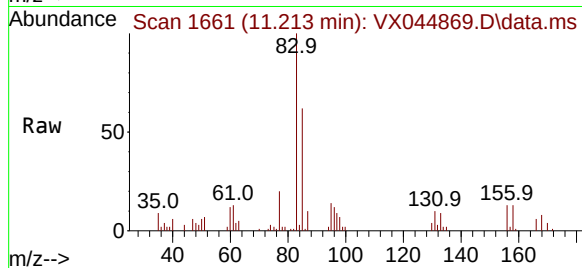
Tgt Ion: 43 Resp: 16653
Ion Ratio Lower Upper
43 100
70 41.5 33.7 50.5
55 23.5 18.6 27.8
61 23.1 19.1 28.7





#75
1,1,2-Tetrachloroethane
Concen: 5.069 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

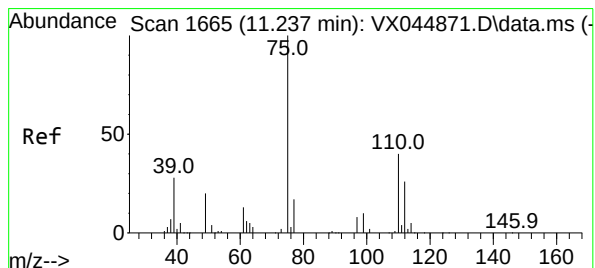
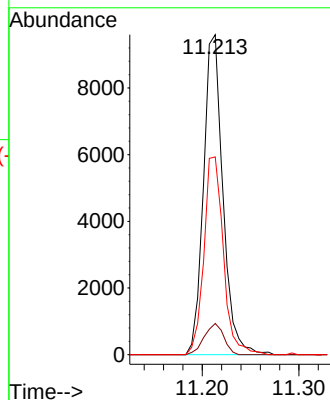
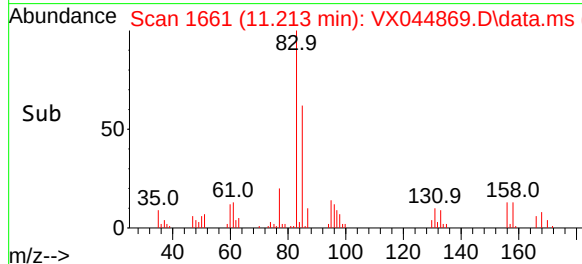
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



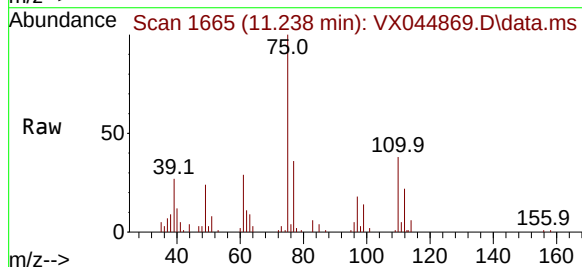
Tgt Ion: 83 Resp: 13394
Ion Ratio Lower Upper
83 100
131 9.8 4.5 13.5
85 62.1 32.3 96.8

Manual Integrations
APPROVED

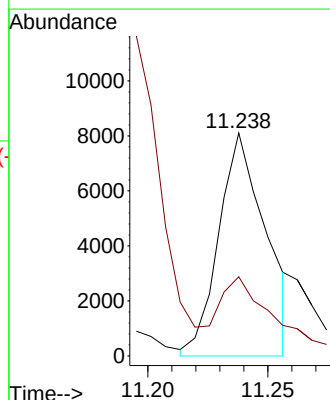
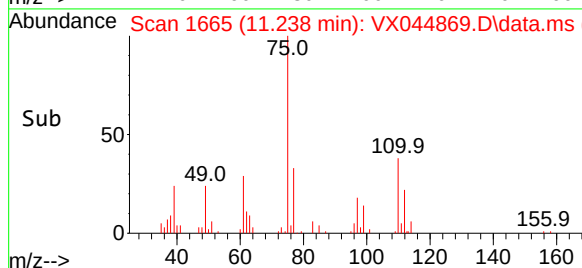
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

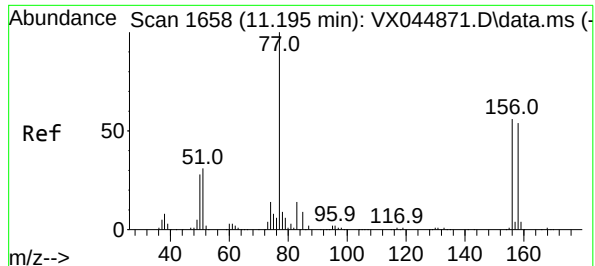


#76
1,2,3-Trichloropropane
Concen: 5.201 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48



Tgt Ion: 75 Resp: 11011
Ion Ratio Lower Upper
75 100
77 44.1 21.9 65.7





#77

Bromobenzene

Concen: 5.042 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

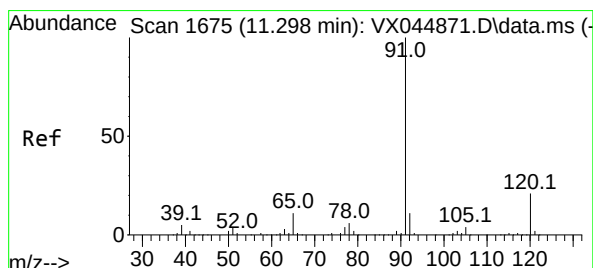
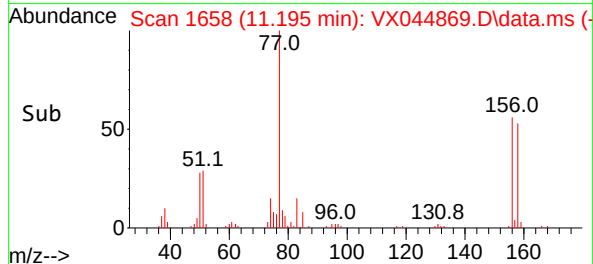
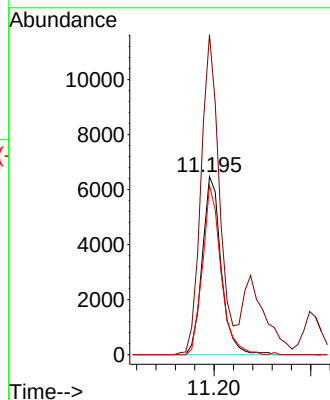
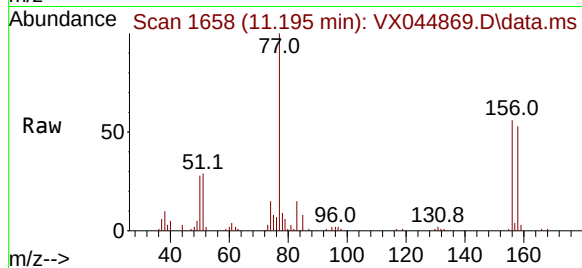
Tgt Ion:	156	Resp:	8789
Ion Ratio	Lower	Upper	
156	100		
77	174.1	88.4	265.3
158	92.9	48.4	145.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#78

n-propylbenzene

Concen: 4.949 ug/l

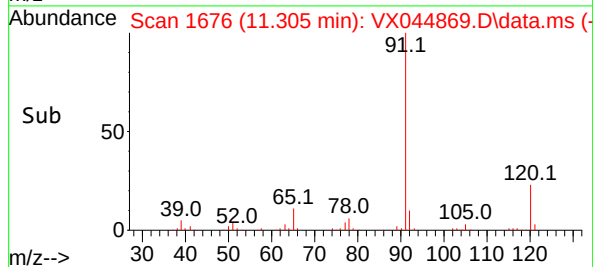
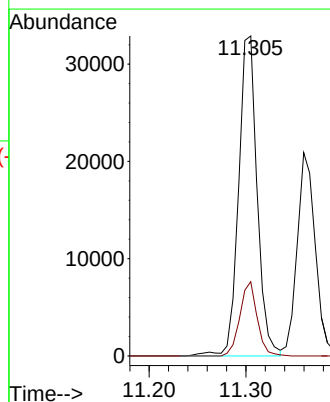
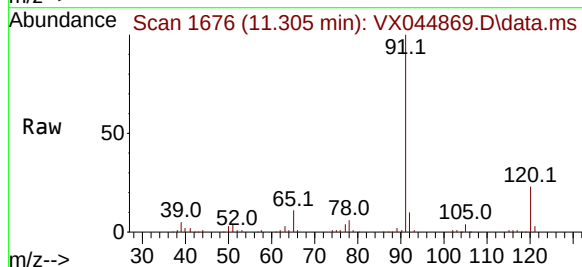
RT: 11.305 min Scan# 1676

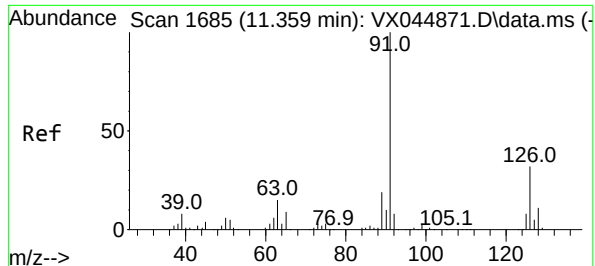
Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion:	91	Resp:	43923
Ion Ratio	Lower	Upper	
91	100		
120	21.6	11.1	33.3





#79

2-Chlorotoluene

Concen: 5.007 ug/l

RT: 11.360 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 2731

Ion Ratio Lower Upper

91 100

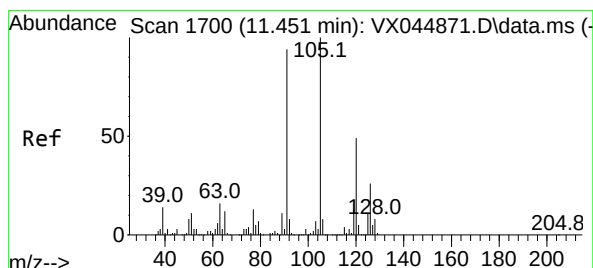
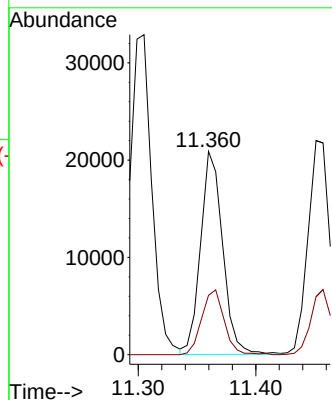
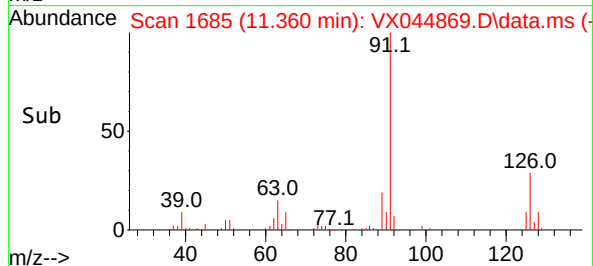
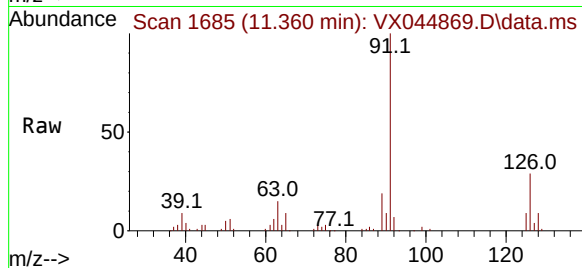
126 32.4 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#80

1,3,5-Trimethylbenzene

Concen: 5.090 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044869.D

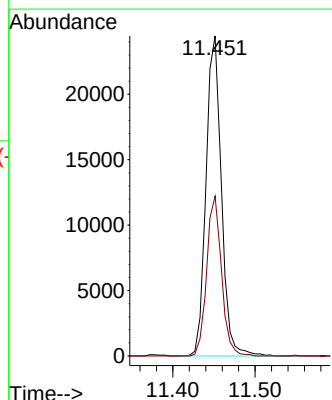
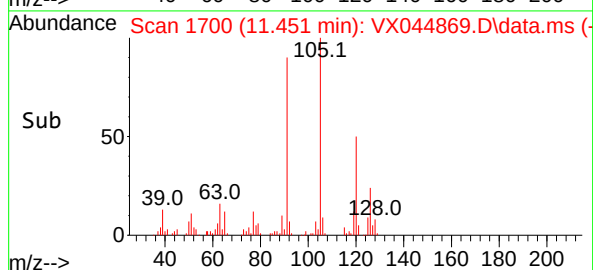
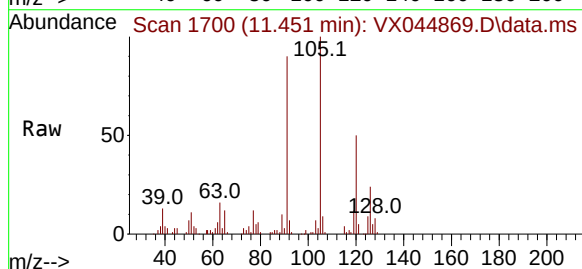
Acq: 10 Feb 2025 10:48

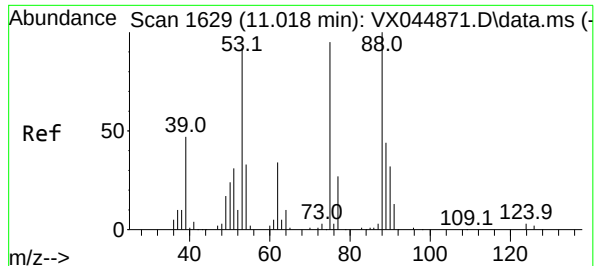
Tgt Ion:105 Resp: 31761

Ion Ratio Lower Upper

105 100

120 48.1 24.0 72.0





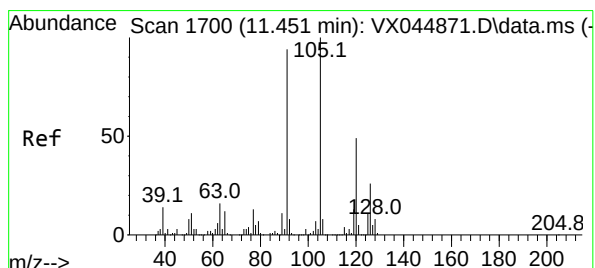
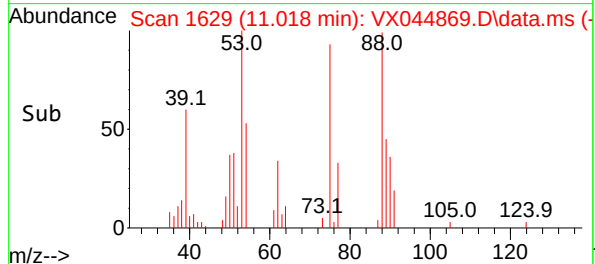
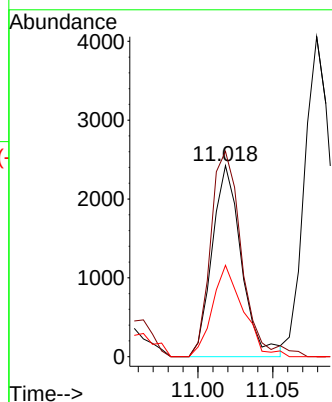
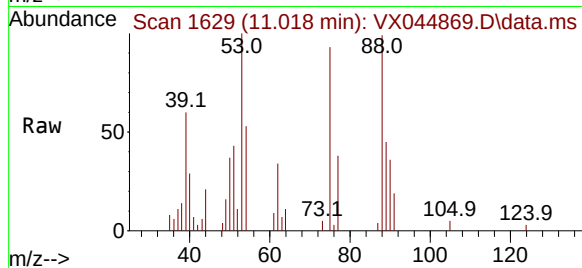
#81
trans-1,4-Dichloro-2-butene
Concen: 4.013 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 3300
Ion Ratio Lower Upper
75 100
53 113.7 78.0 117.0
89 50.2 36.6 54.8

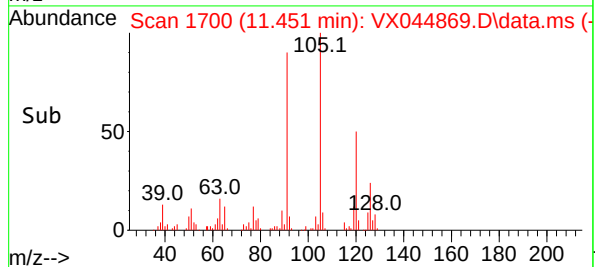
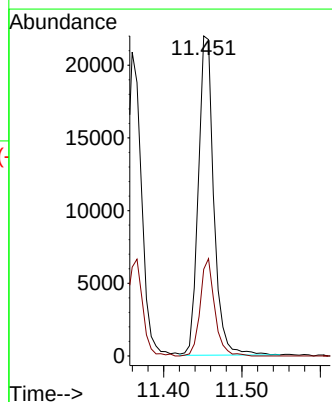
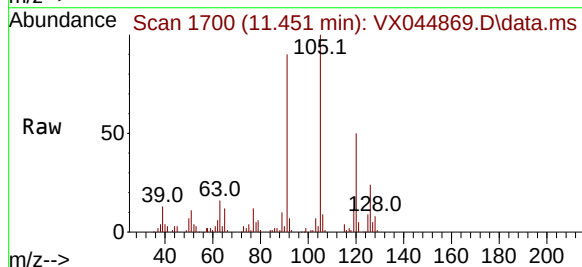
Manual Integrations
APPROVED

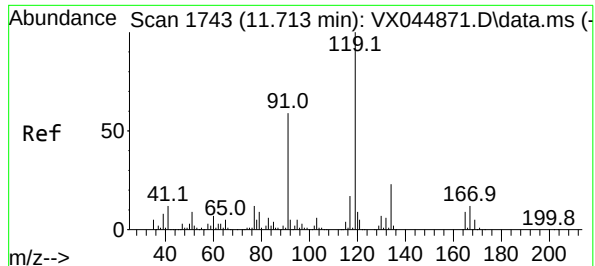
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#82
4-Chlorotoluene
Concen: 4.994 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 91 Resp: 30138
Ion Ratio Lower Upper
91 100
126 28.7 14.2 42.6





#83

tert-Butylbenzene

Concen: 5.068 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

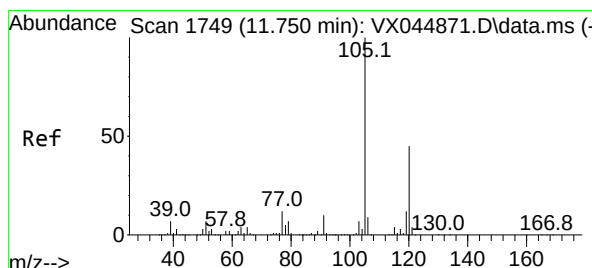
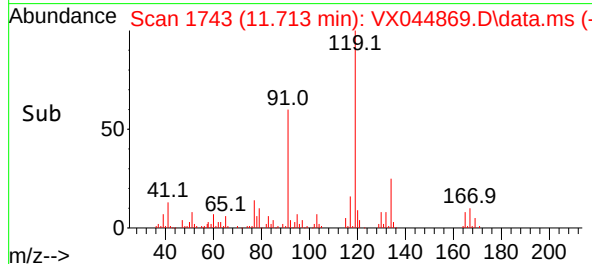
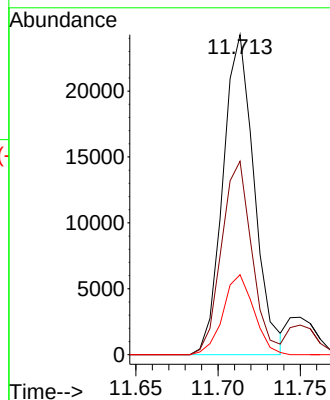
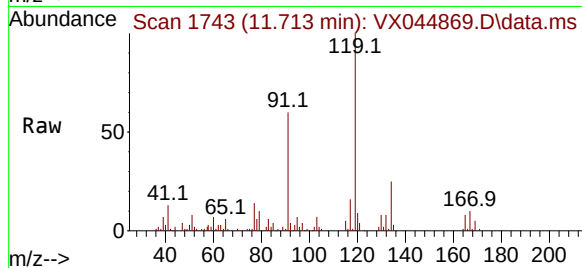
Tgt Ion:	119	Resp:	3199
Ion	Ratio	Lower	Upper
119	100		
91	59.3	29.1	87.4
134	24.7	11.5	34.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#84

1,2,4-Trimethylbenzene

Concen: 5.042 ug/l

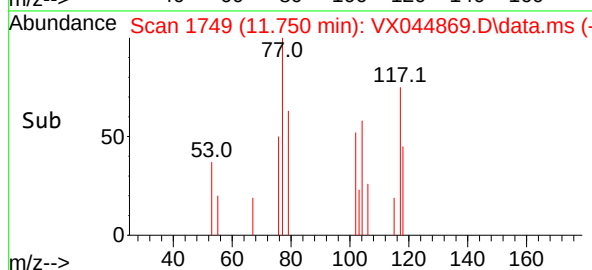
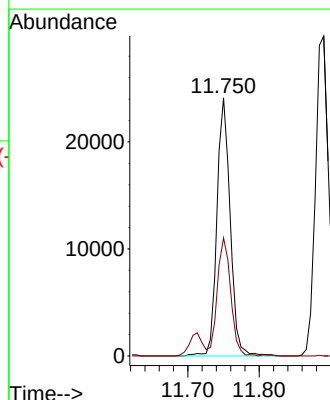
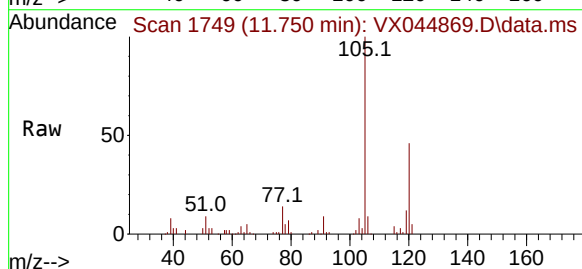
RT: 11.750 min Scan# 1749

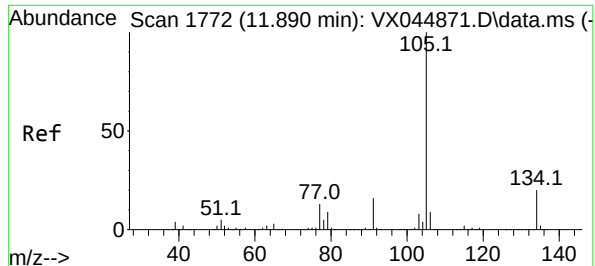
Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion:	105	Resp:	31053
Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.4	67.0





#85

sec-Butylbenzene

Concen: 4.917 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 3843

Ion Ratio Lower Upper

105 100

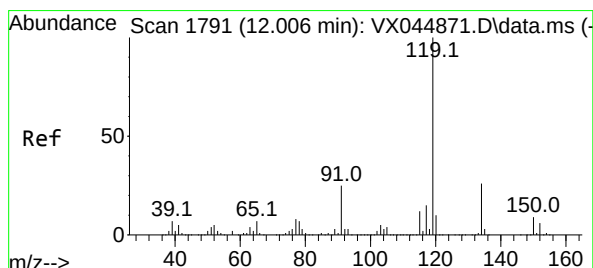
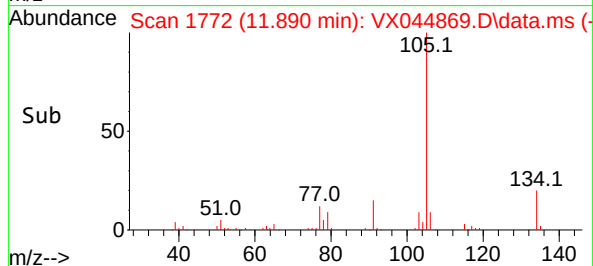
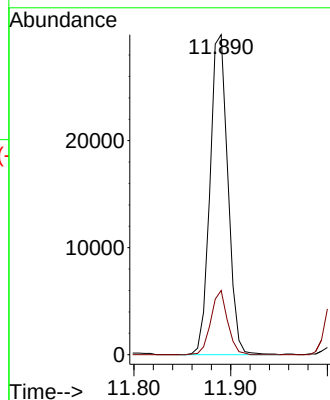
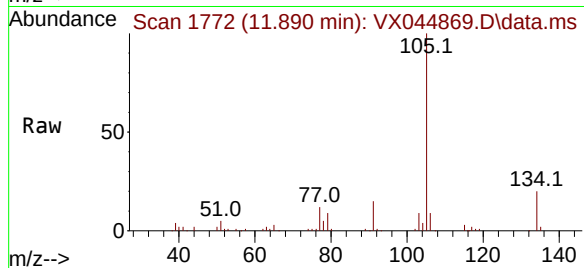
134 18.7 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#86

p-Isopropyltoluene

Concen: 4.905 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

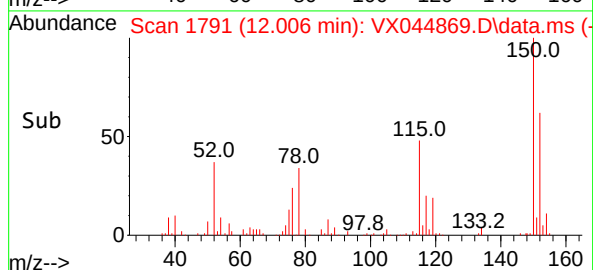
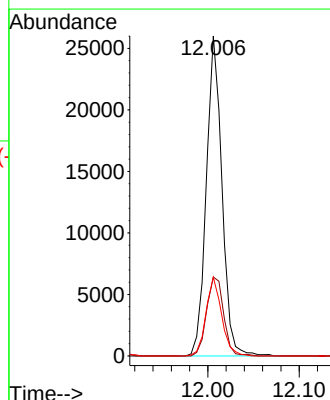
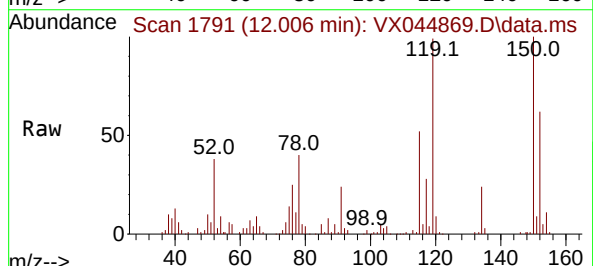
Tgt Ion:119 Resp: 30835

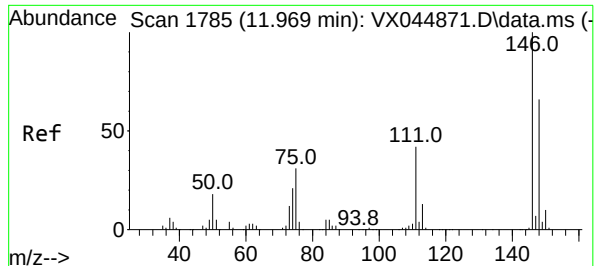
Ion Ratio Lower Upper

119 100

134 26.8 13.0 38.9

91 24.6 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 4.971 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

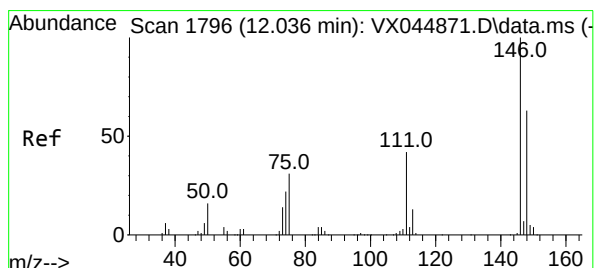
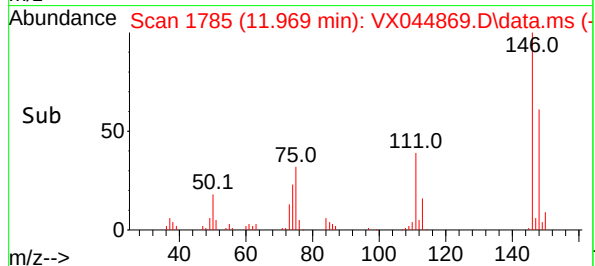
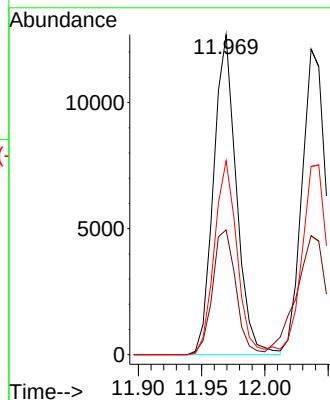
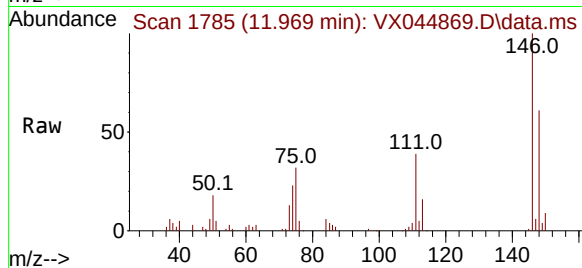
Tgt Ion:146	Resp:	1593
Ion Ratio	Lower	Upper
146	100	
111	39.8	21.2 63.6
148	60.0	32.5 97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#88

1,4-Dichlorobenzene

Concen: 5.043 ug/l

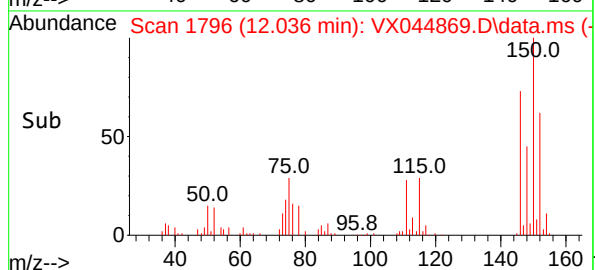
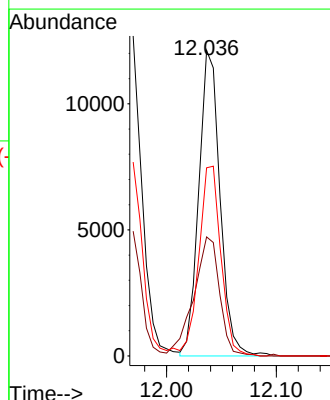
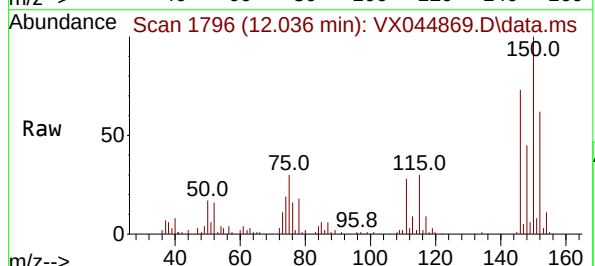
RT: 12.036 min Scan# 1796

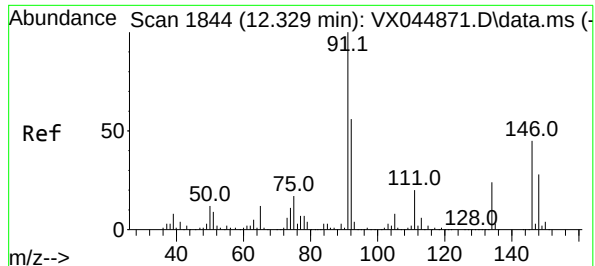
Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion:146	Resp:	16347
Ion Ratio	Lower	Upper
146	100	
111	47.4	20.4 61.3
148	65.3	32.0 96.0





#89

n-Butylbenzene

Concen: 4.630 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

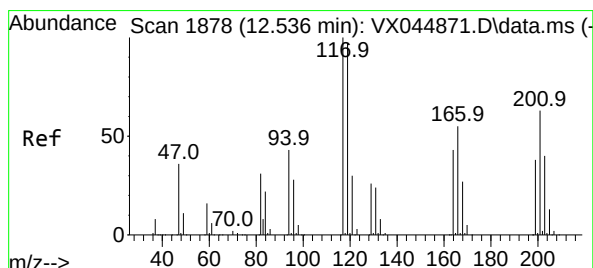
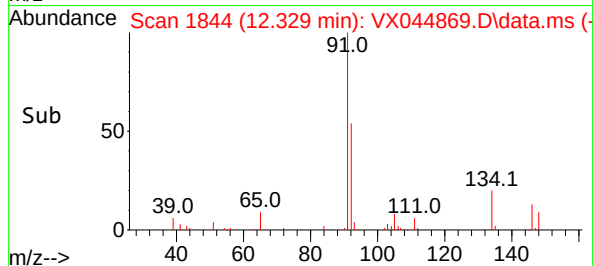
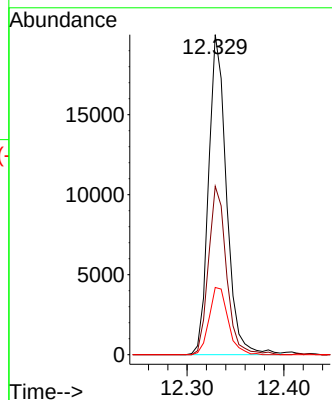
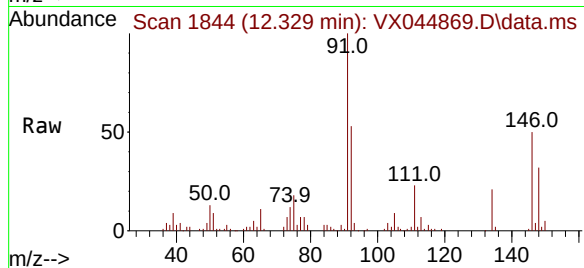
ClientSampleId :

VSTDIC005

Tgt Ion: 91	Resp: 2574
Ion Ratio	Lower Upper
91	100
92	52.8 27.2 81.6
134	22.3 12.1 36.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#90

Hexachloroethane

Concen: 4.775 ug/l

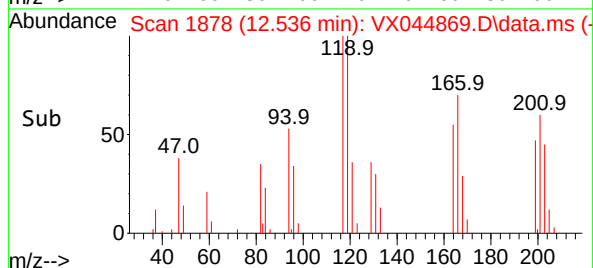
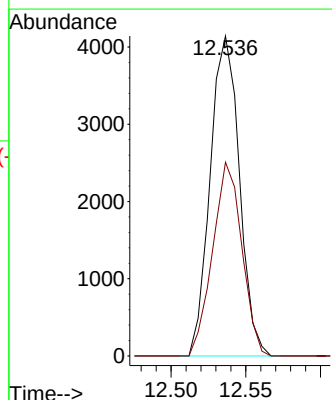
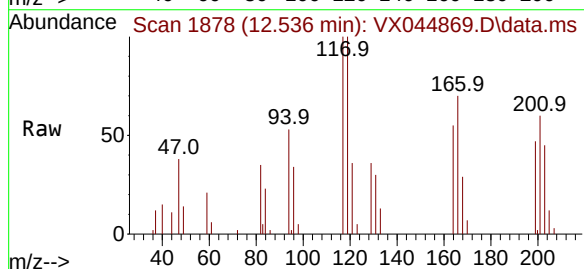
RT: 12.536 min Scan# 1878

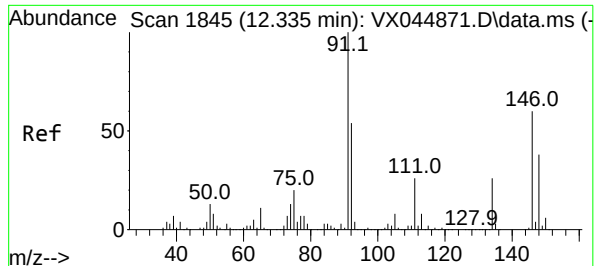
Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

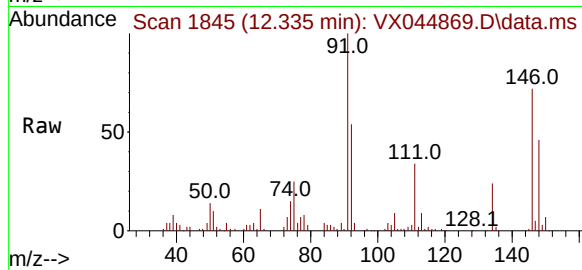
Tgt Ion: 117	Resp: 5620
Ion Ratio	Lower Upper
117	100
201	60.6 32.5 97.5





#91
1,2-Dichlorobenzene
Concen: 5.193 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

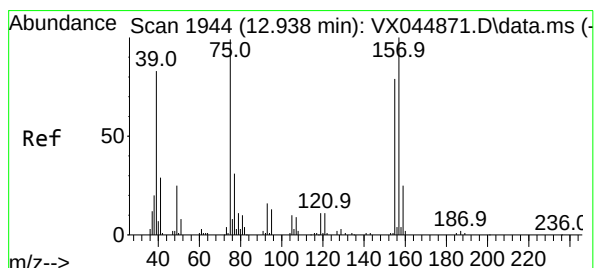
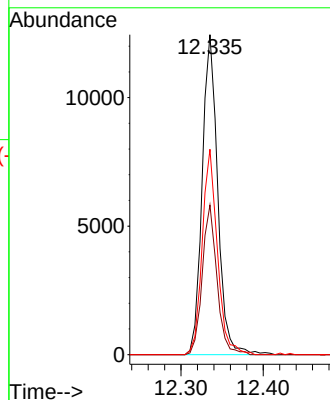
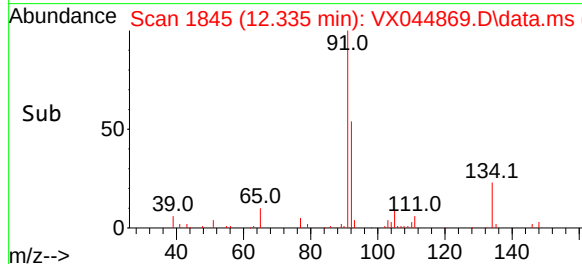
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 146 Resp: 1636
Ion Ratio Lower Upper
146 100
111 44.3 21.8 65.4
148 62.7 31.9 95.9

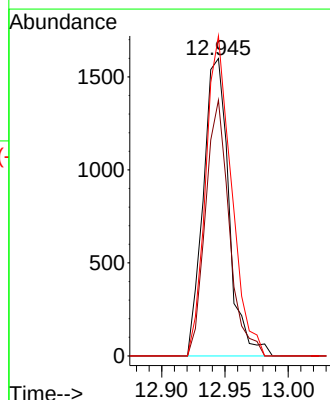
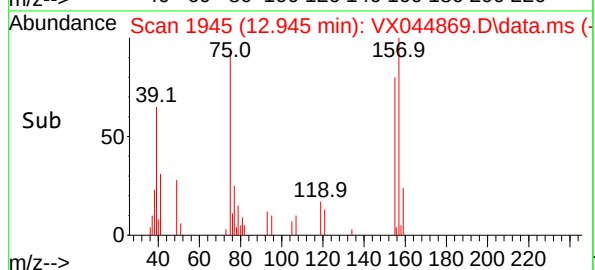
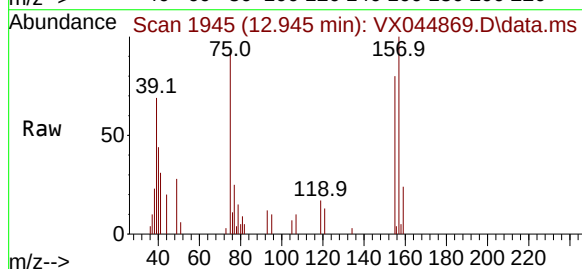
Manual Integrations
APPROVED

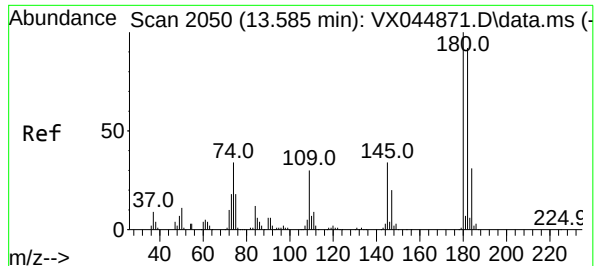
Reviewed By : John Carlone 02/11/2025
Supervised By : Mahesh Dadoda 02/11/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.674 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 75 Resp: 2254
Ion Ratio Lower Upper
75 100
155 80.0 40.5 121.4
157 108.1 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 4.680 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

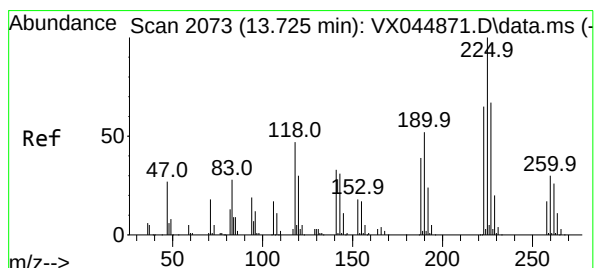
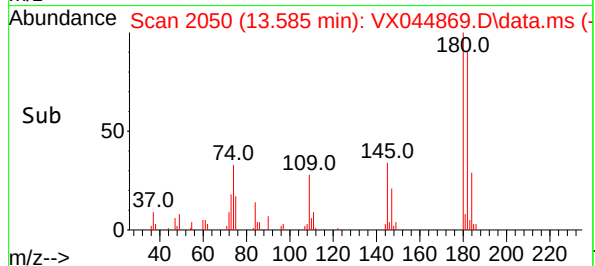
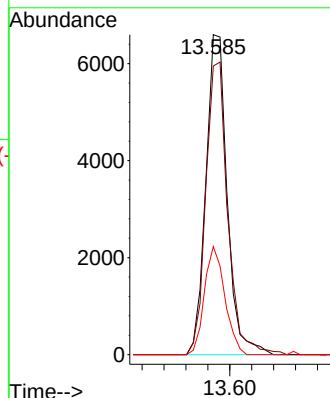
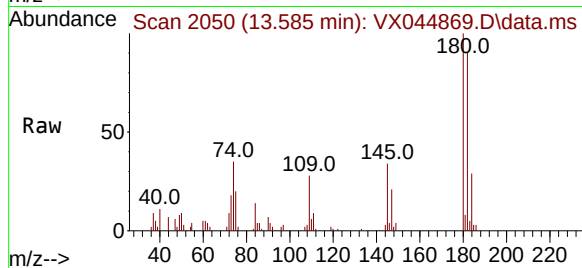
VSTDIC005

Tgt Ion:180	Resp:	892
Ion Ratio	Lower	Upper
180	100	
182	93.9	47.6 142.8
145	32.3	16.4 49.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#94

Hexachlorobutadiene

Concen: 4.750 ug/l

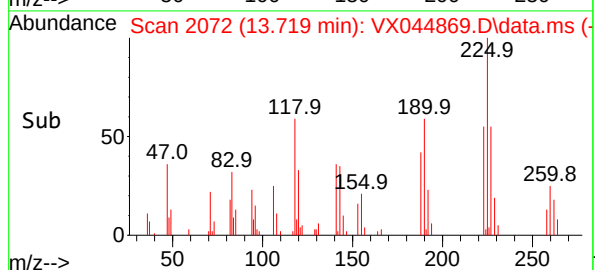
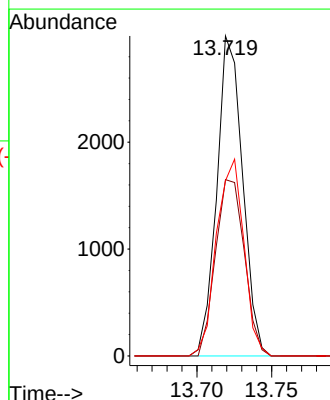
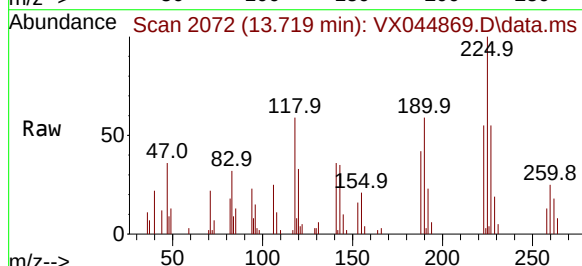
RT: 13.719 min Scan# 2072

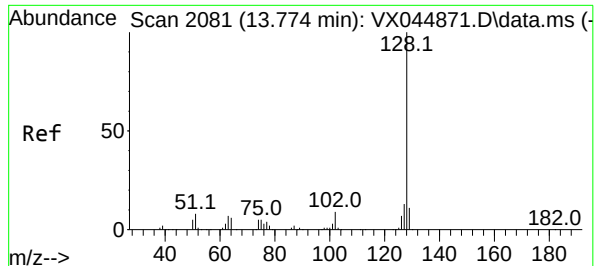
Delta R.T. -0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Tgt Ion:225	Resp:	3595
Ion Ratio	Lower	Upper
225	100	
223	61.5	31.4 94.2
227	65.1	32.3 96.8





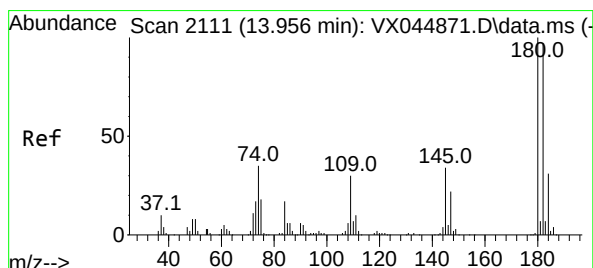
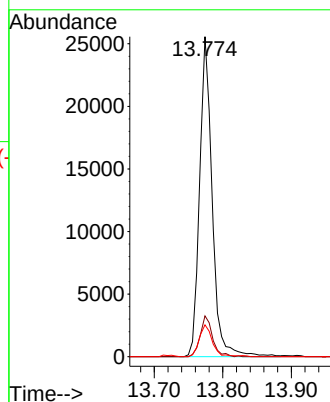
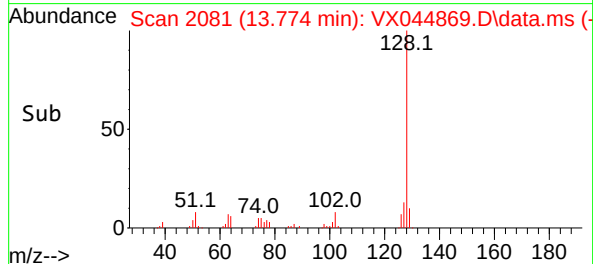
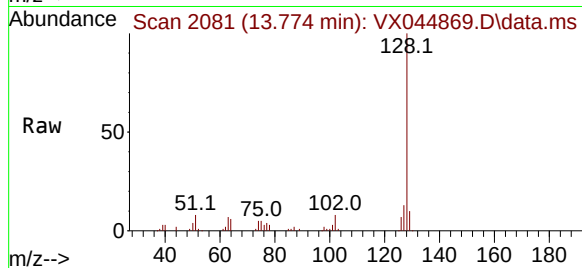
#95
Naphthalene
Concen: 4.756 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 32770
Ion Ratio Lower Upper
128 100
127 12.4 10.1 15.1
129 10.3 8.9 13.3

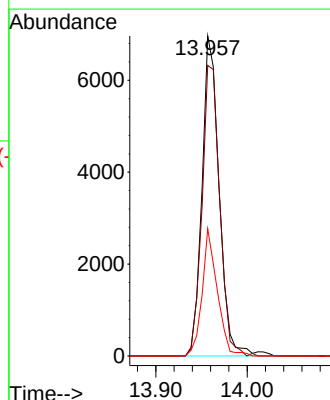
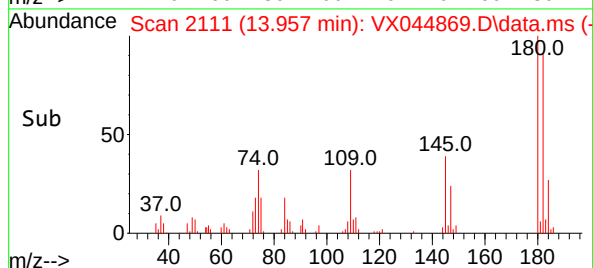
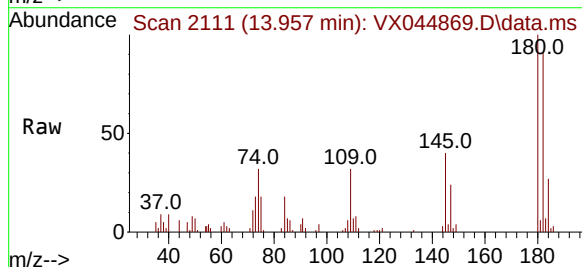
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.733 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:180 Resp: 9093
Ion Ratio Lower Upper
180 100
182 93.4 47.9 143.6
145 35.0 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044870.D
 Acq On : 10 Feb 2025 11:11
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Quant Time: Feb 11 02:00:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	129532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	234445	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	207667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92093	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	37195	19.616	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	39.240%#
35) Dibromofluoromethane	5.379	113	30170	19.793	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	39.580%#
50) Toluene-d8	8.647	98	117127	20.321	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	40.640%#
62) 4-Bromofluorobenzene	11.079	95	38475	19.800	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	39.600%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.167	85	37123	20.434	ug/l	98
3) Chloromethane	1.301	50	44666	20.200	ug/l	95
4) Vinyl Chloride	1.374	62	43901	20.494	ug/l	99
5) Bromomethane	1.593	94	13057	20.369	ug/l	99
6) Chloroethane	1.660	64	14523	16.522	ug/l	94
7) Trichlorofluoromethane	1.868	101	56805	20.969	ug/l	98
8) Diethyl Ether	2.130	74	20699	21.069	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	34593	21.135	ug/l	99
10) Methyl Iodide	2.441	142	44749	21.096	ug/l	99
11) Tert butyl alcohol	2.989	59	35834	101.870	ug/l	100
12) 1,1-Dichloroethene	2.307	96	34270	20.526	ug/l	99
13) Acrolein	2.233	56	33914	93.445	ug/l	99
14) Allyl chloride	2.654	41	61485	20.377	ug/l	98
15) Acrylonitrile	3.063	53	98518	104.896	ug/l	98
16) Acetone	2.380	43	77078	101.119	ug/l	98
17) Carbon Disulfide	2.502	76	92552	20.216	ug/l	99
18) Methyl Acetate	2.703	43	47970	19.943	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	110377	20.779	ug/l	98
20) Methylene Chloride	2.782	84	38390	20.562	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	34064	20.730	ug/l	92
22) Diisopropyl ether	3.757	45	120300	21.074	ug/l	93
23) Vinyl Acetate	3.715	43	490239	105.341	ug/l	99
24) 1,1-Dichloroethane	3.599	63	66942	20.958	ug/l	99
25) 2-Butanone	4.556	43	130481	105.417	ug/l	96
26) 2,2-Dichloropropane	4.471	77	51803	20.451	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	42096	21.328	ug/l	97
28) Bromochloromethane	4.885	49	31474	20.504	ug/l	99
29) Tetrahydrofuran	5.001	42	86875	105.700	ug/l	99
30) Chloroform	5.087	83	65721	21.217	ug/l	98
31) Cyclohexane	5.458	56	60814	20.653	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	54450	20.724	ug/l	100
36) 1,1-Dichloropropene	5.684	75	45991	20.913	ug/l	99
37) Ethyl Acetate	4.715	43	51242	20.949	ug/l	99
38) Carbon Tetrachloride	5.666	117	44802	20.790	ug/l	99
39) Methylcyclohexane	7.373	83	62505	21.985	ug/l	98
40) Benzene	6.031	78	147912	21.540	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044870.D
 Acq On : 10 Feb 2025 11:11
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:00:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	27347	20.887	ug/l	94
42) 1,2-Dichloroethane	6.086	62	47095	21.519	ug/l	100
43) Isopropyl Acetate	6.336	43	84306	21.343	ug/l	99
44) Trichloroethene	7.123	130	34390	21.910	ug/l	96
45) 1,2-Dichloropropane	7.428	63	36510	21.371	ug/l	99
46) Dibromomethane	7.574	93	25300	21.354	ug/l	99
47) Bromodichloromethane	7.818	83	48202	21.012	ug/l	97
48) Methyl methacrylate	7.690	41	39747	21.341	ug/l	100
49) 1,4-Dioxane	7.665	88	17153	429.262	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	263394	109.684	ug/l	99
52) Toluene	8.714	92	89726	21.940	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	48613	20.940	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	55026	21.259	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	33930	21.582	ug/l	98
56) Ethyl methacrylate	9.116	69	54674	21.533	ug/l	99
57) 1,3-Dichloropropane	9.305	76	60079	21.841	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	133072	106.736	ug/l	100
59) 2-Hexanone	9.427	43	190449	110.072	ug/l	98
60) Dibromochloromethane	9.519	129	35706	21.237	ug/l	99
61) 1,2-Dibromoethane	9.604	107	34463	21.628	ug/l	100
64) Tetrachloroethene	9.269	164	28519	21.776	ug/l	97
65) Chlorobenzene	10.073	112	94695	21.230	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	30344	21.136	ug/l	99
67) Ethyl Benzene	10.189	91	167865	21.327	ug/l	100
68) m/p-Xylenes	10.299	106	125271	43.144	ug/l	99
69) o-Xylene	10.640	106	62087	21.310	ug/l	97
70) Styrene	10.653	104	103740	22.101	ug/l	98
71) Bromoform	10.799	173	22592	21.086	ug/l #	99
73) Isopropylbenzene	10.957	105	160147	21.597	ug/l	99
74) N-amyl acetate	10.842	43	70542	21.023	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	52967	20.787	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	42040m	20.589	ug/l	
77) Bromobenzene	11.195	156	36021	21.426	ug/l	97
78) n-propylbenzene	11.299	91	183212	21.406	ug/l	99
79) 2-Chlorotoluene	11.360	91	111782	21.250	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	130526	21.691	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	15375	19.370	ug/l	96
82) 4-Chlorotoluene	11.451	91	122303	21.016	ug/l	100
83) tert-Butylbenzene	11.713	119	130358	21.414	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	130211	21.924	ug/l	100
85) sec-Butylbenzene	11.890	105	162875	21.607	ug/l	100
86) p-Isopropyltoluene	12.006	119	130643	21.551	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	64141	20.747	ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	64889	20.758	ug/l	98
89) n-Butylbenzene	12.329	91	113705	21.202	ug/l	100
90) Hexachloroethane	12.536	117	23153	20.398	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	64940	21.373	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9873	21.230	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	37308	20.292	ug/l	99
94) Hexachlorobutadiene	13.725	225	15312	20.979	ug/l	96
95) Naphthalene	13.774	128	142902	21.502	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	38389	20.722	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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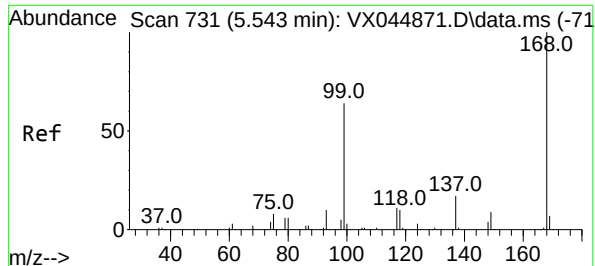
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025





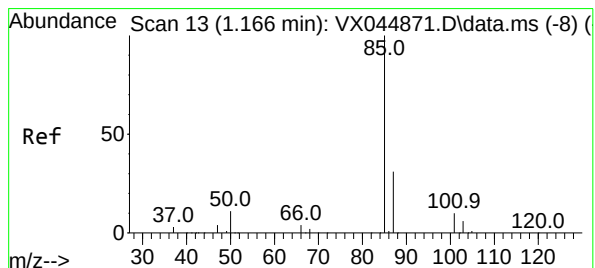
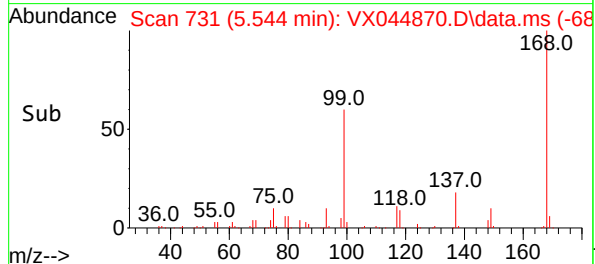
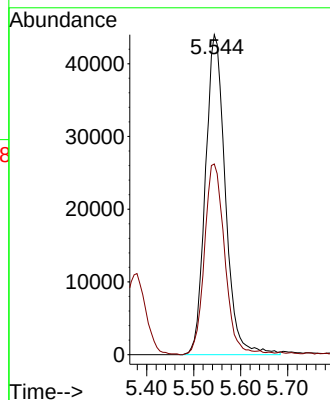
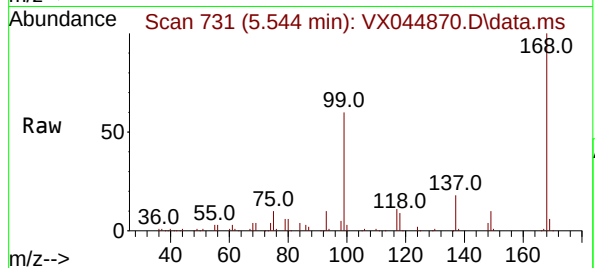
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 12953
Ion Ratio Lower Upper
168 100
99 59.6 51.2 76.8

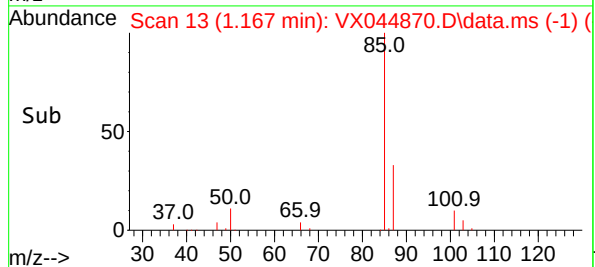
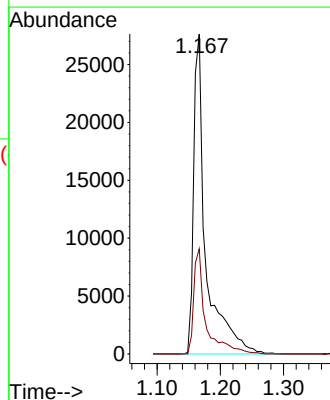
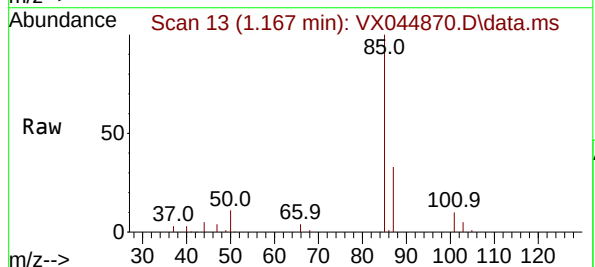
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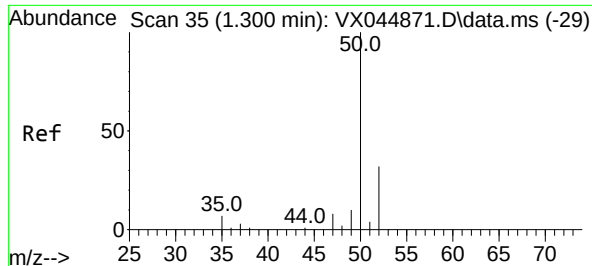
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#2
Dichlorodifluoromethane
Concen: 20.434 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 85 Resp: 37123
Ion Ratio Lower Upper
85 100
87 32.9 15.8 47.3





#3

Chloromethane

Concen: 20.200 ug/l

RT: 1.301 min Scan# 35

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 50 Resp: 4466

Ion Ratio Lower Upper

50 100

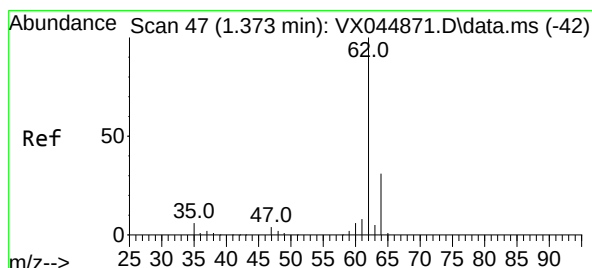
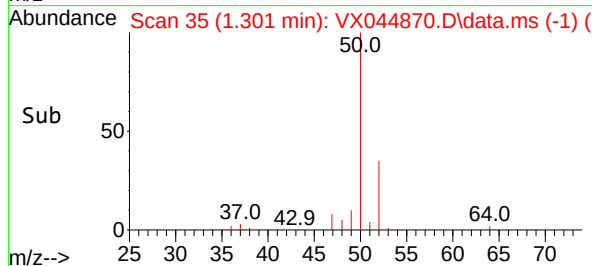
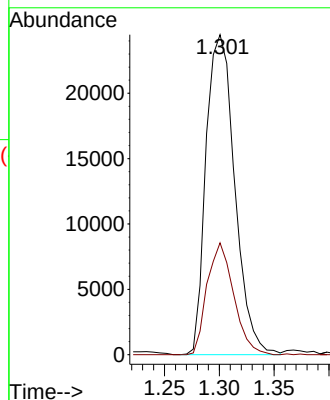
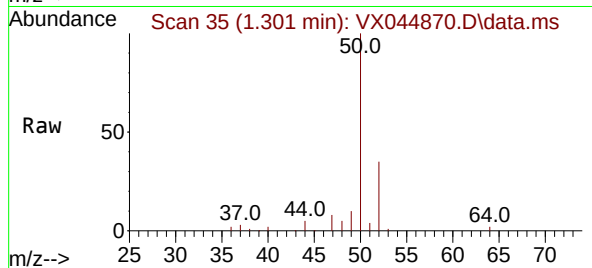
52 35.0 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#4

Vinyl Chloride

Concen: 20.494 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX044870.D

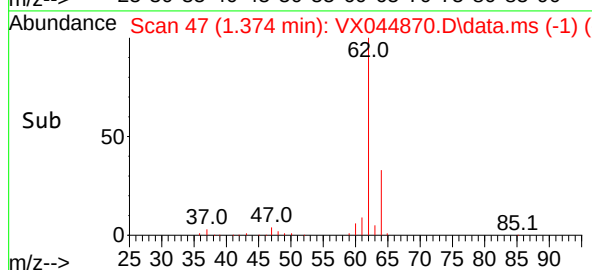
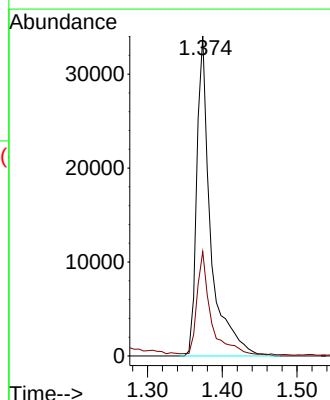
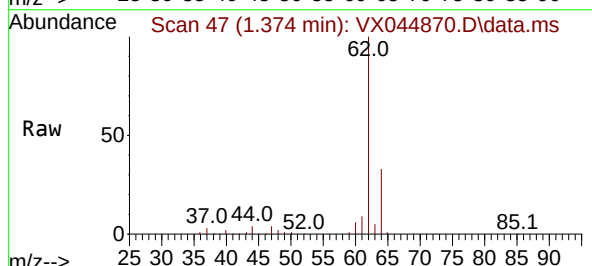
Acq: 10 Feb 2025 11:11

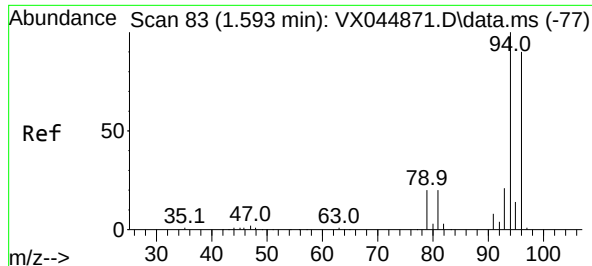
Tgt Ion: 62 Resp: 43901

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.0





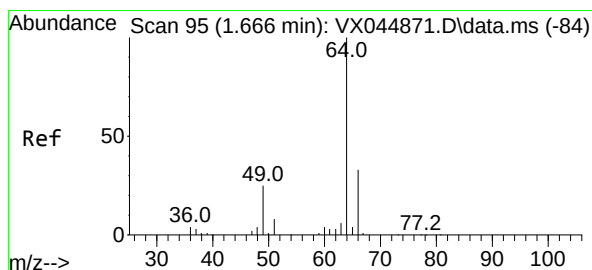
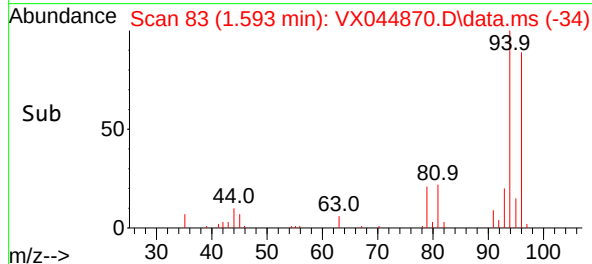
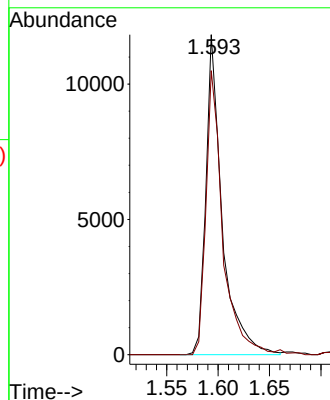
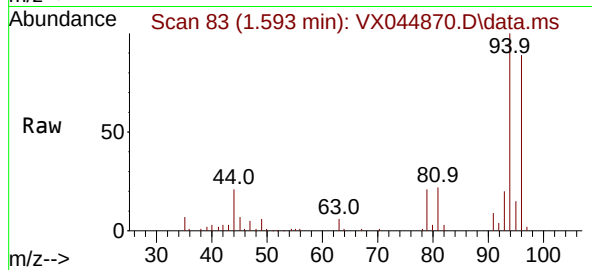
#5
Bromomethane
Concen: 20.369 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 1305
Ion Ratio Lower Upper
94 100
96 88.8 71.6 107.4

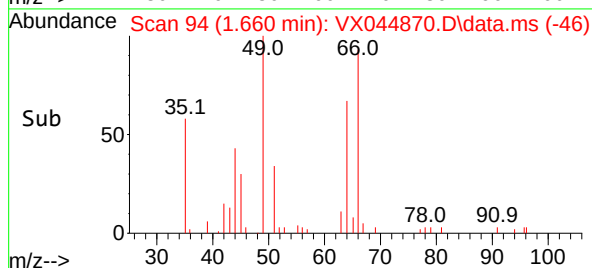
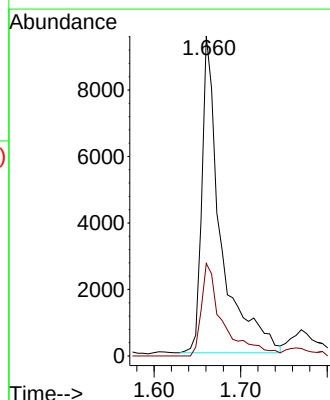
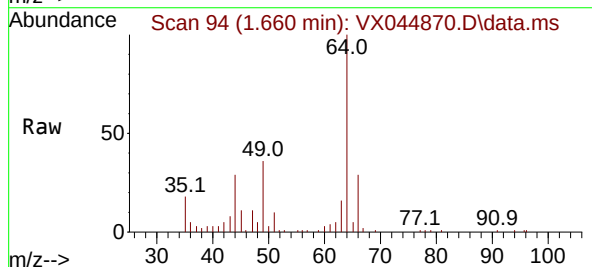
Manual Integrations
APPROVED

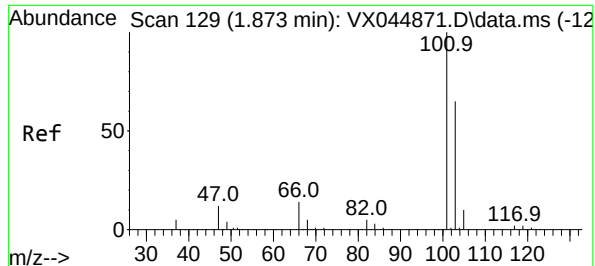
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#6
Chloroethane
Concen: 16.522 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 64 Resp: 14523
Ion Ratio Lower Upper
64 100
66 29.2 25.9 38.9





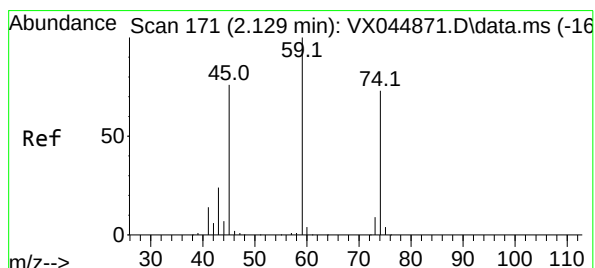
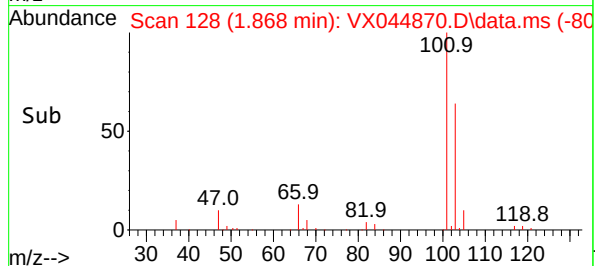
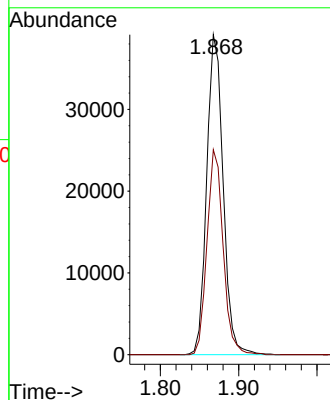
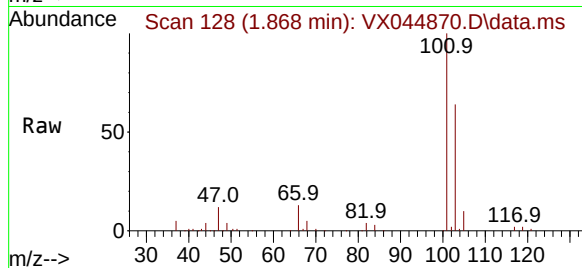
#7
Trichlorofluoromethane
Concen: 20.969 ug/l
RT: 1.868 min Scan# 129
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 5680
Ion Ratio Lower Upper
101 100
103 64.0 52.4 78.6

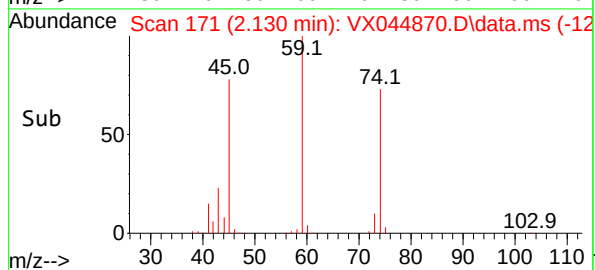
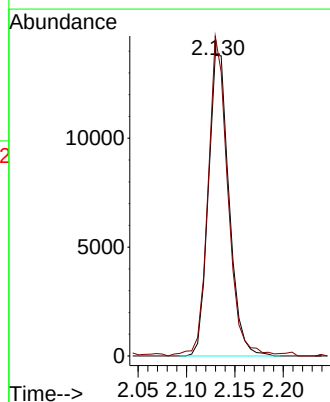
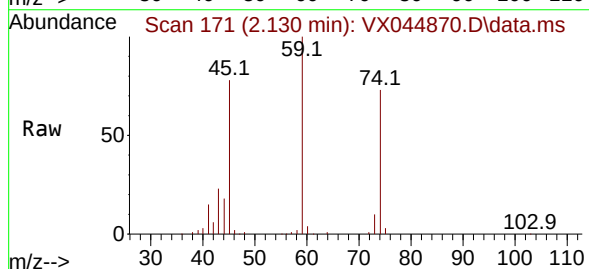
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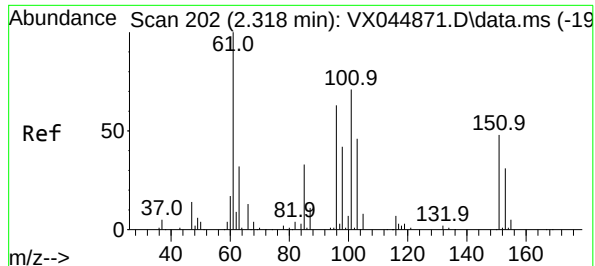
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#8
Diethyl Ether
Concen: 21.069 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 74 Resp: 20699
Ion Ratio Lower Upper
74 100
45 101.2 51.1 153.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.135 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

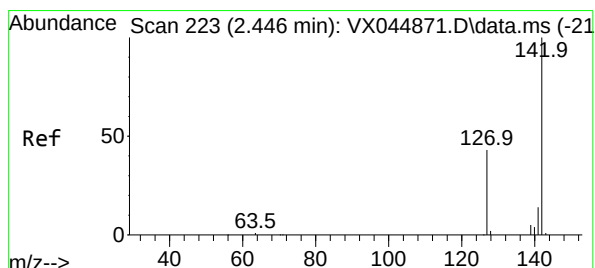
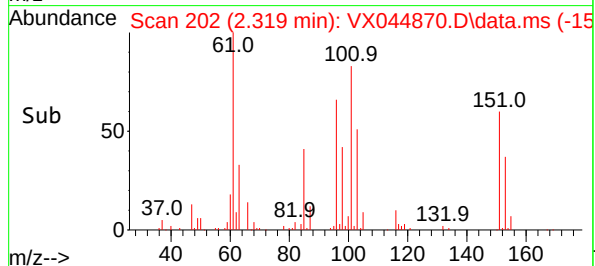
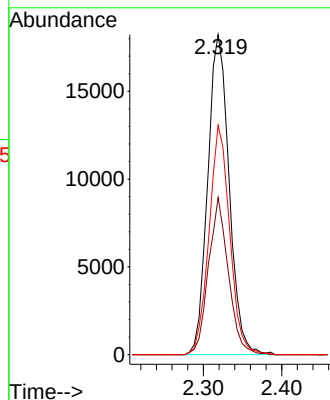
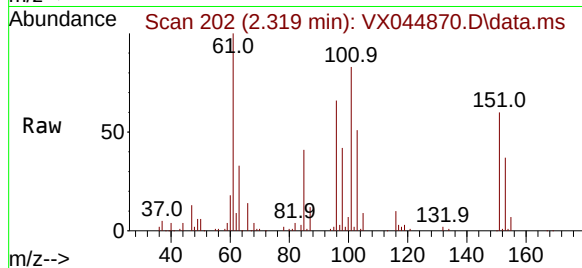
Tgt Ion:	101	Resp:	3459
Ion	Ratio	Lower	Upper
101	100		
85	45.7	35.7	53.5
151	69.4	56.0	84.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#10

Methyl Iodide

Concen: 21.096 ug/l

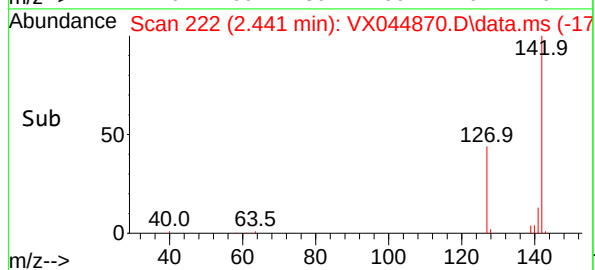
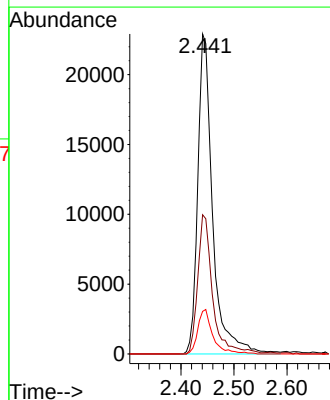
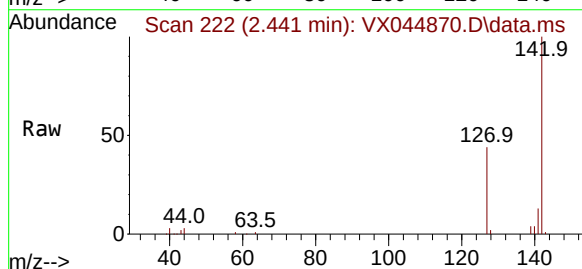
RT: 2.441 min Scan# 222

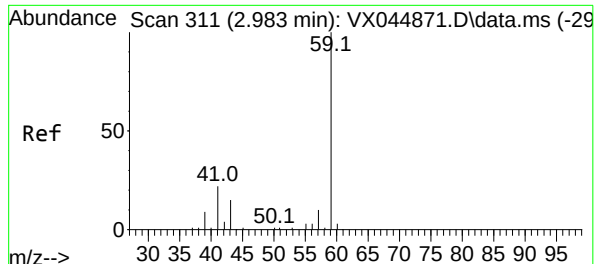
Delta R.T. -0.006 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Tgt Ion:	142	Resp:	44749
Ion	Ratio	Lower	Upper
142	100		
127	43.4	34.3	51.5
141	14.0	11.4	17.2





#11

Tert butyl alcohol

Concen: 101.870 ug/l

RT: 2.989 min Scan# 311

Delta R.T. 0.007 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 59 Resp: 35834

Ion Ratio Lower Upper

59 100

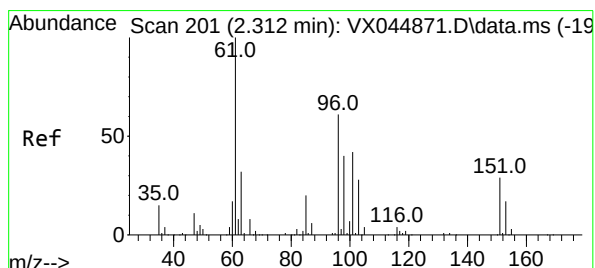
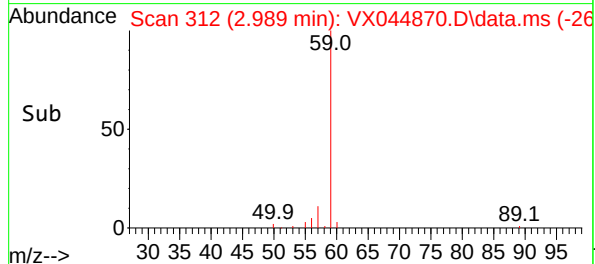
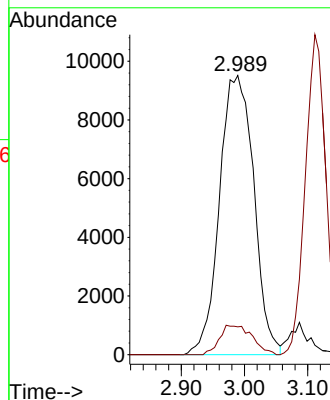
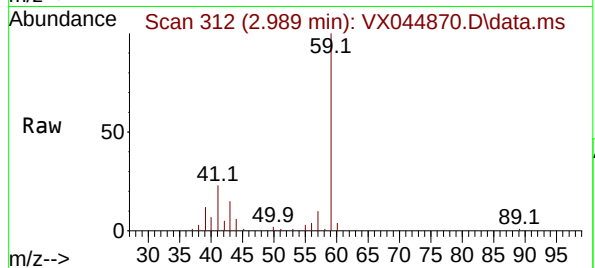
57 10.0 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#12

1,1-Dichloroethene

Concen: 20.526 ug/l

RT: 2.307 min Scan# 200

Delta R.T. -0.006 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

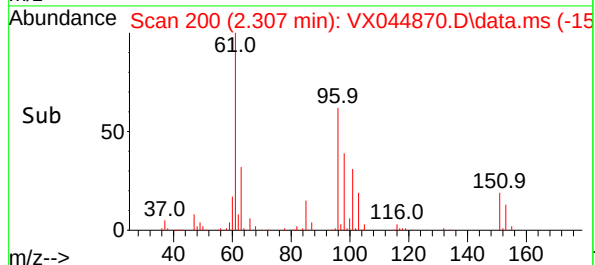
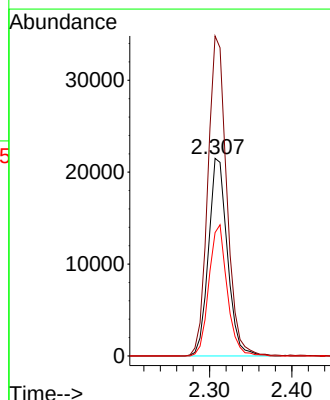
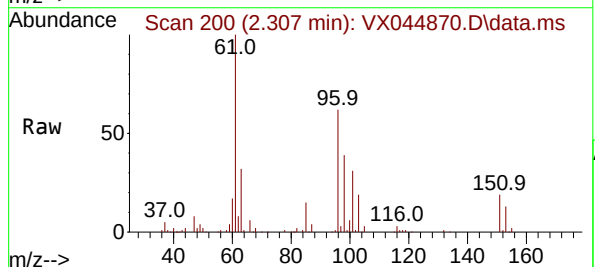
Tgt Ion: 96 Resp: 34270

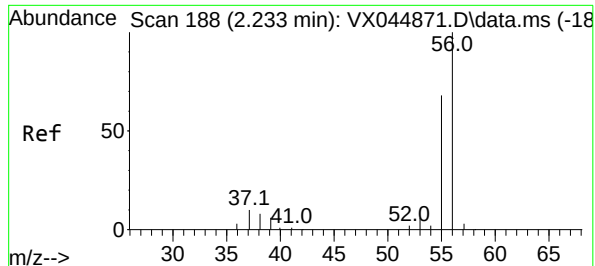
Ion Ratio Lower Upper

96 100

61 161.9 130.2 195.4

98 62.4 52.2 78.4





#13

Acrolein

Concen: 93.445 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 33914

Ion Ratio Lower Upper

56 100

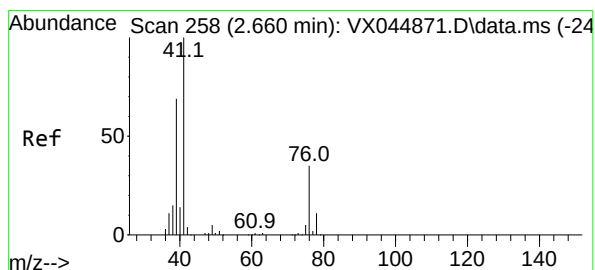
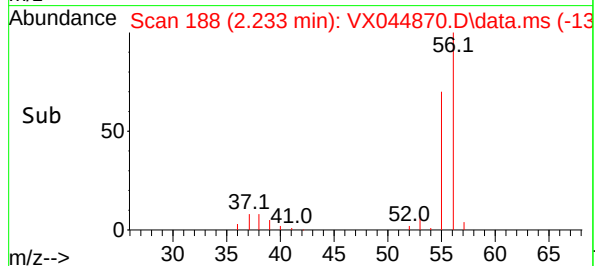
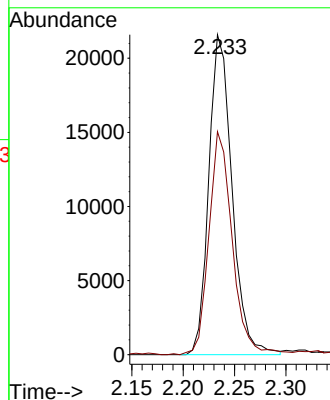
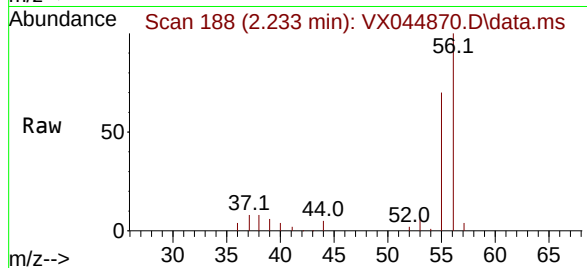
55 70.1 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#14

Allyl chloride

Concen: 20.377 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.006 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

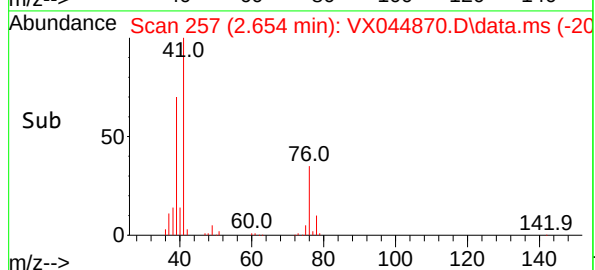
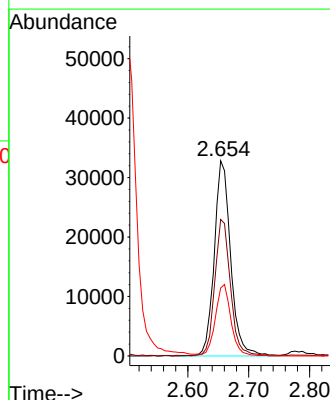
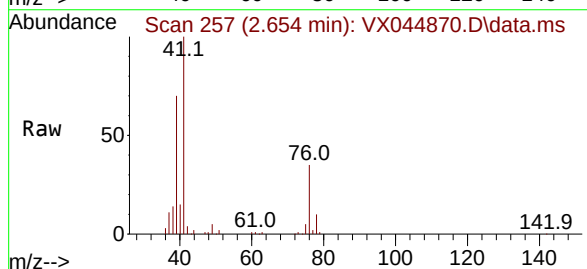
Tgt Ion: 41 Resp: 61485

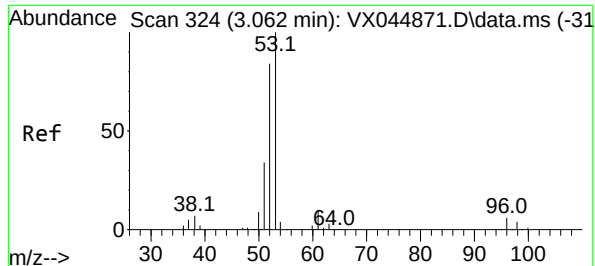
Ion Ratio Lower Upper

41 100

39 65.8 51.4 77.2

76 34.9 27.0 40.4





#15

Acrylonitrile

Concen: 104.896 ug/l

RT: 3.063 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

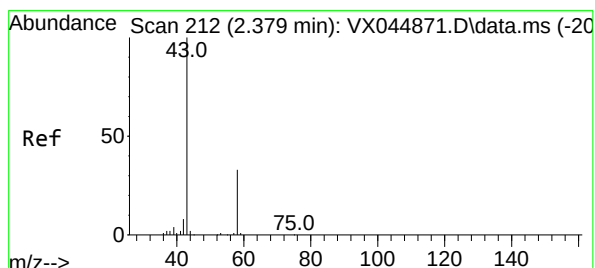
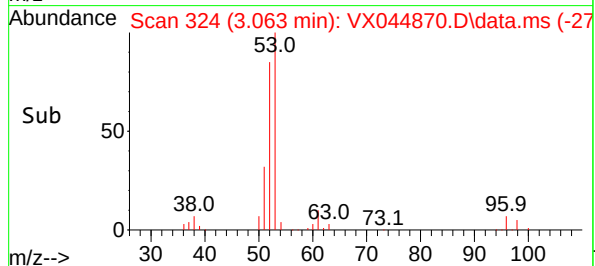
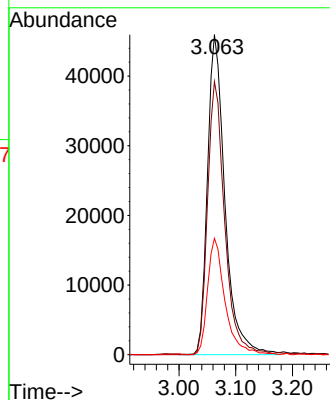
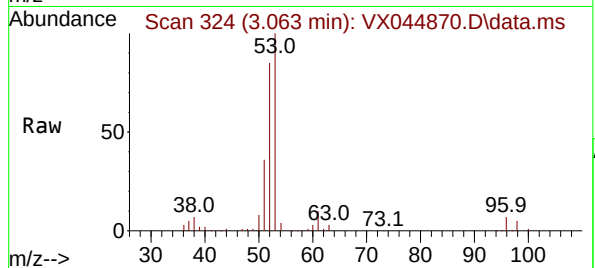
VSTDICC020

Tgt Ion:	53	Resp:	98518
Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.0	97.6
51	36.3	28.0	42.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#16

Acetone

Concen: 101.119 ug/l

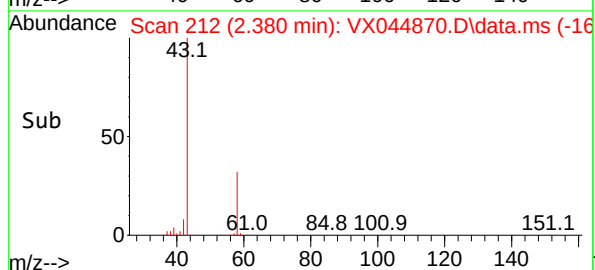
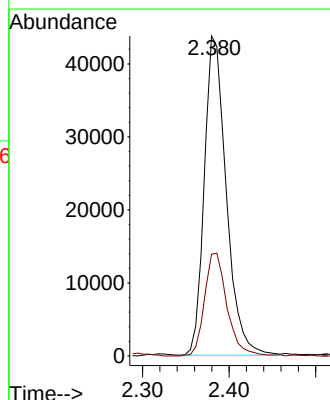
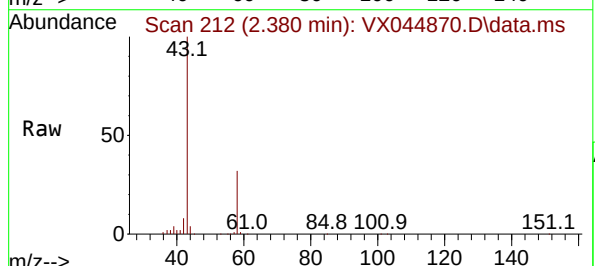
RT: 2.380 min Scan# 212

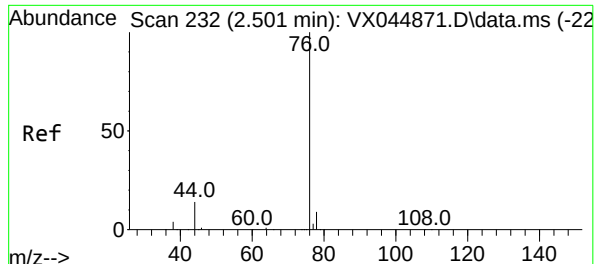
Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Tgt Ion:	43	Resp:	77078
Ion	Ratio	Lower	Upper
43	100		
58	31.9	26.5	39.7





#17

Carbon Disulfide

Concen: 20.216 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 76 Resp: 9255

Ion Ratio Lower Upper

76 100

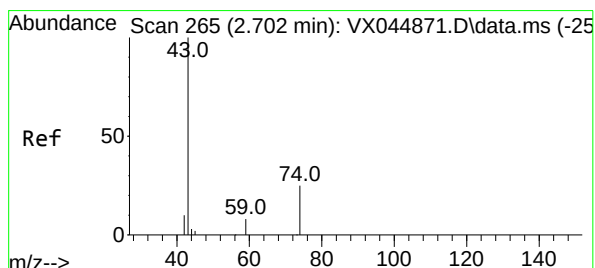
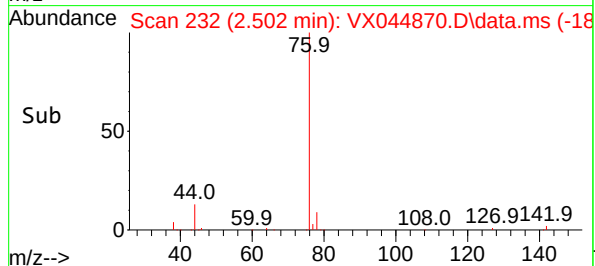
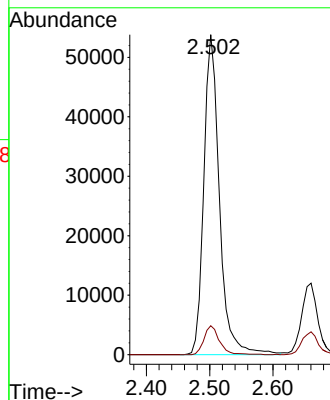
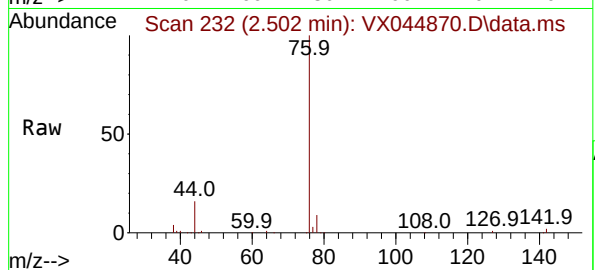
78 9.0 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#18

Methyl Acetate

Concen: 19.943 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX044870.D

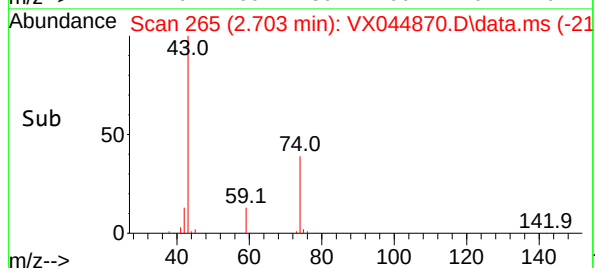
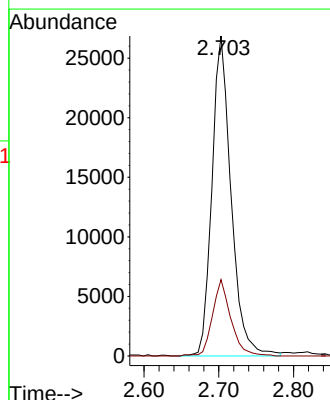
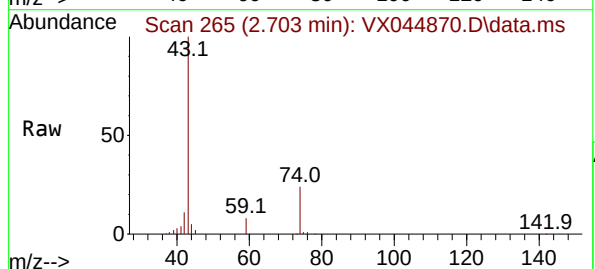
Acq: 10 Feb 2025 11:11

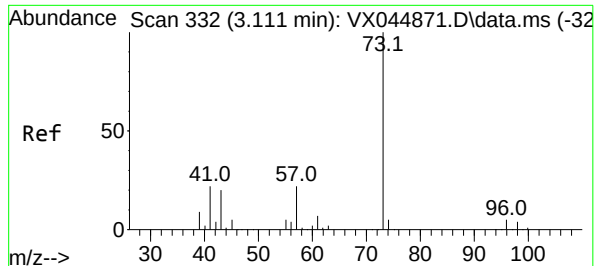
Tgt Ion: 43 Resp: 47970

Ion Ratio Lower Upper

43 100

74 22.9 18.9 28.3





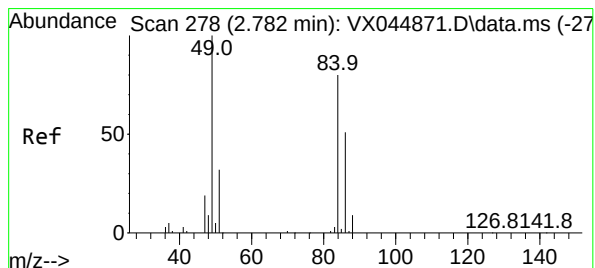
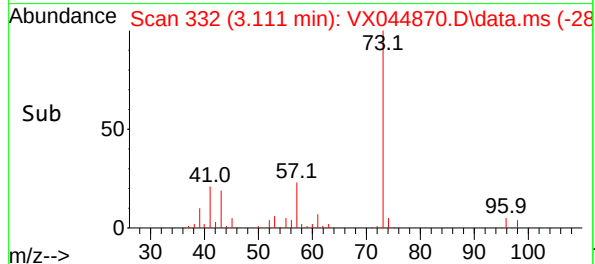
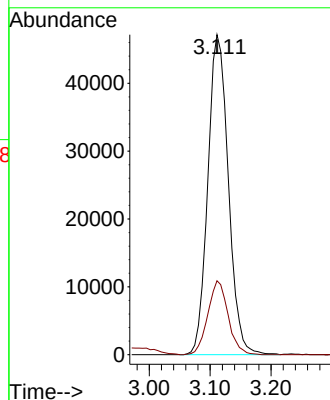
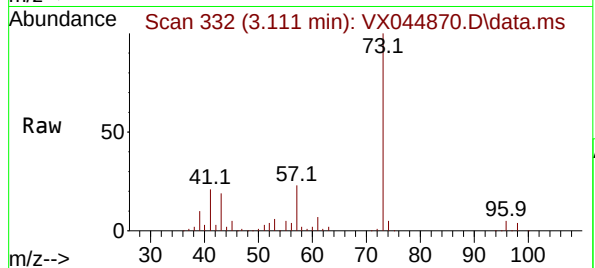
#19
Methyl tert-butyl Ether
Concen: 20.779 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 11037
Ion Ratio Lower Upper
73 100
57 23.1 17.9 26.9

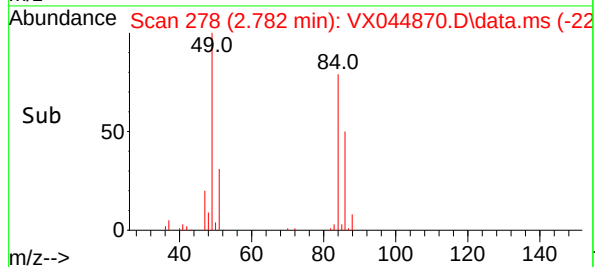
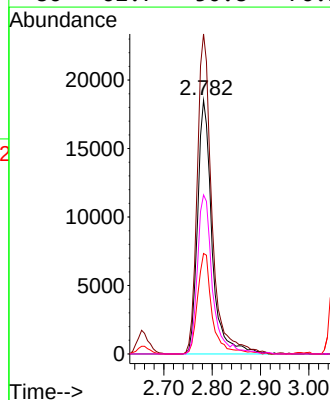
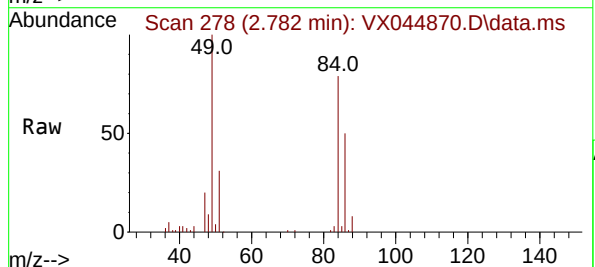
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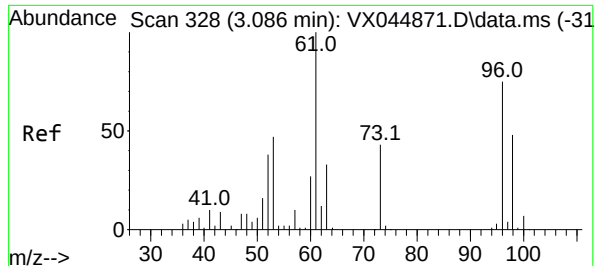
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#20
Methylene Chloride
Concen: 20.562 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

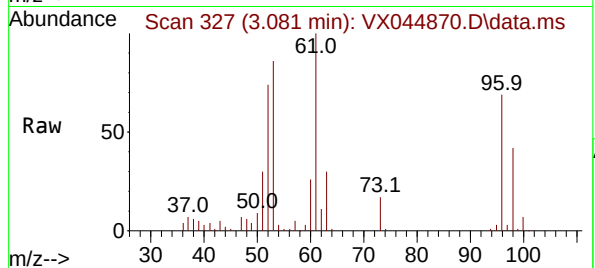
Tgt Ion: 84 Resp: 38390
Ion Ratio Lower Upper
84 100
49 126.2 100.1 150.1
51 39.6 31.7 47.5
86 62.7 50.8 76.2





#21
trans-1,2-Dichloroethene
Concen: 20.730 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

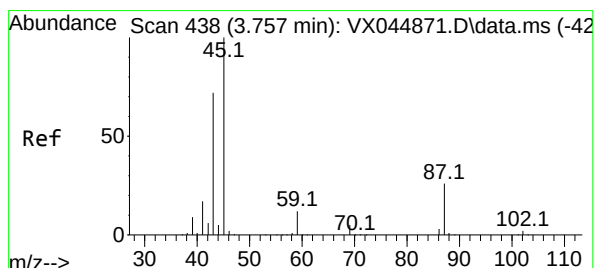
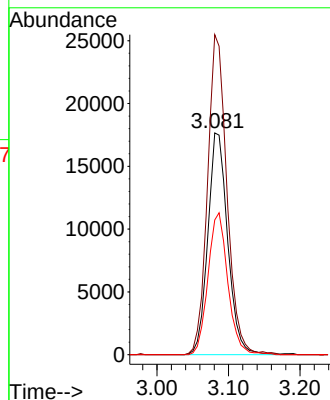
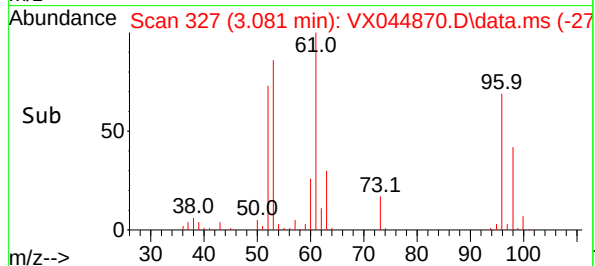
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 96 Resp: 34064
Ion Ratio Lower Upper
96 100
61 144.3 106.0 159.0
98 60.8 50.6 76.0

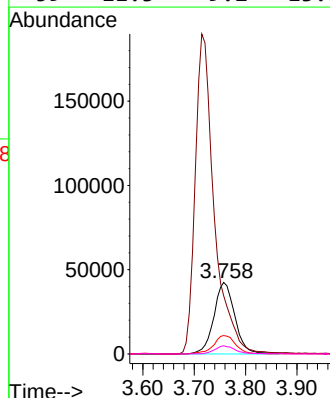
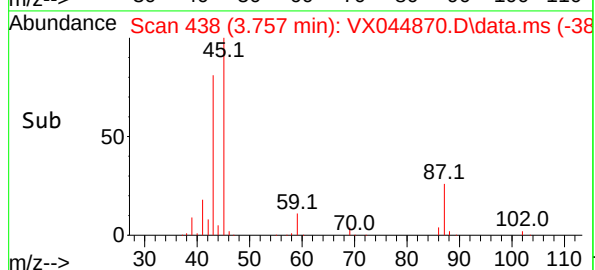
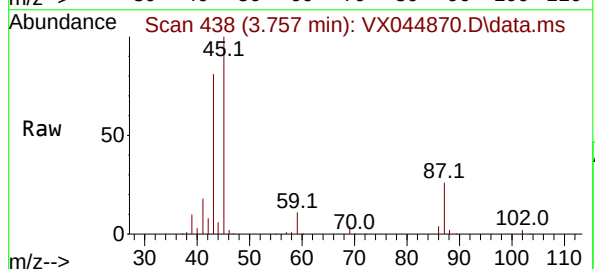
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APPROVED

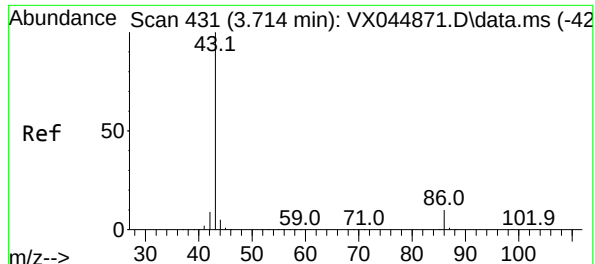
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#22
Diisopropyl ether
Concen: 21.074 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 45 Resp: 120300
Ion Ratio Lower Upper
45 100
43 80.8 58.0 87.0
87 25.8 20.7 31.1
59 11.3 9.2 13.8





#23

Vinyl Acetate

Concen: 105.341 ug/l

RT: 3.715 min Scan# 411

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 490239

Ion Ratio Lower Upper

43 100

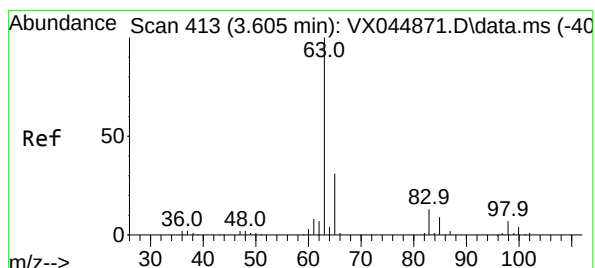
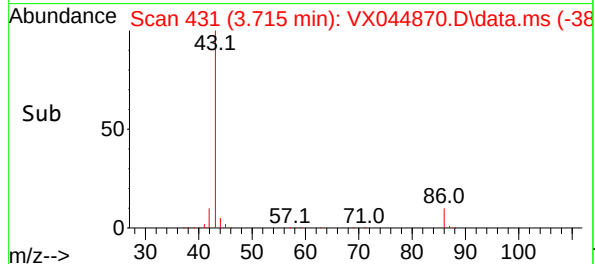
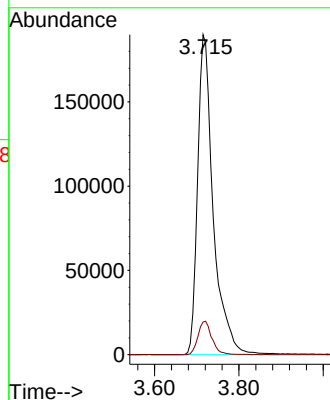
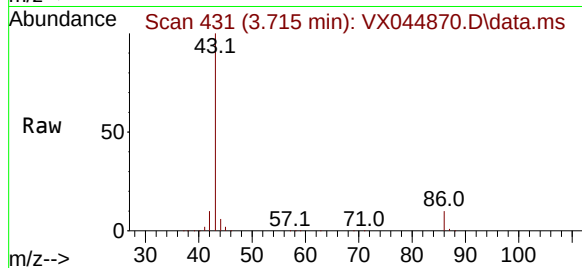
86 10.2 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#24

1,1-Dichloroethane

Concen: 20.958 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.006 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

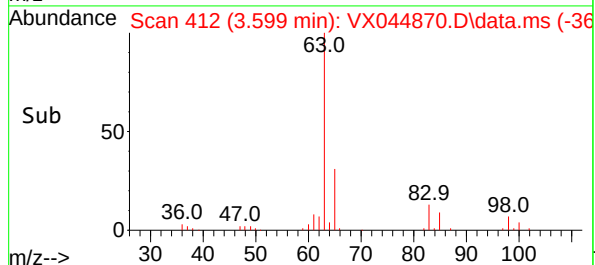
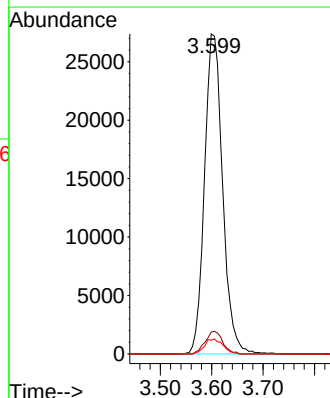
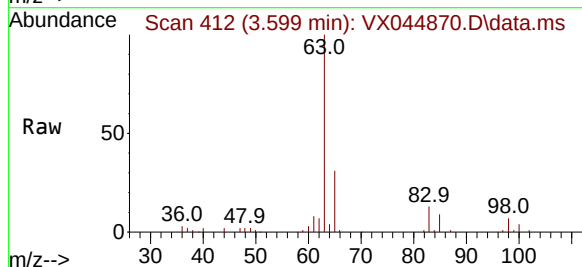
Tgt Ion: 63 Resp: 66942

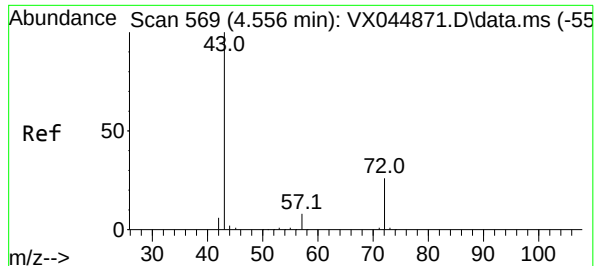
Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.9

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 105.417 ug/l

RT: 4.556 min Scan# 569

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 13048

Ion Ratio Lower Upper

43

100

72

24.2

21.2

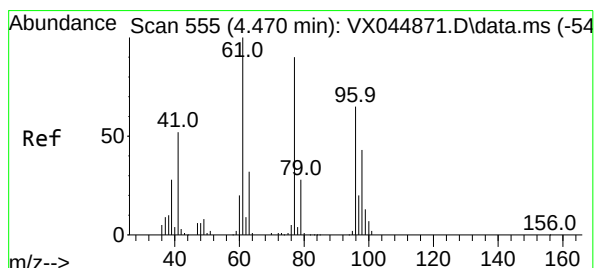
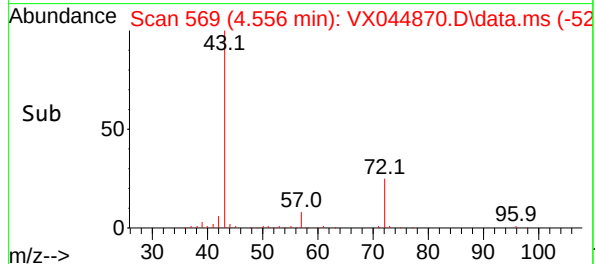
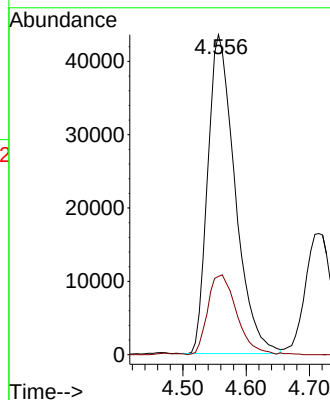
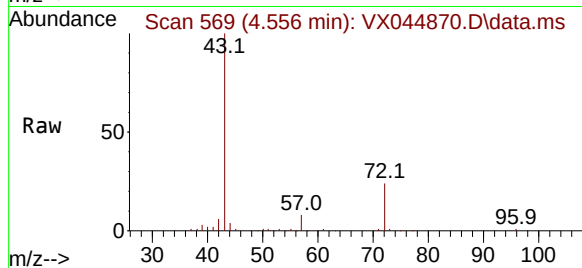
31.8

Manual Integrations

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Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#26

2,2-Dichloropropane

Concen: 20.451 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Tgt Ion: 77 Resp: 51803

Ion Ratio Lower Upper

77

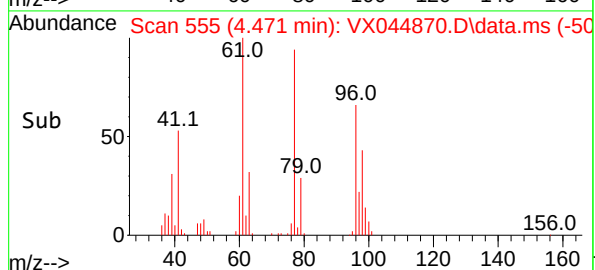
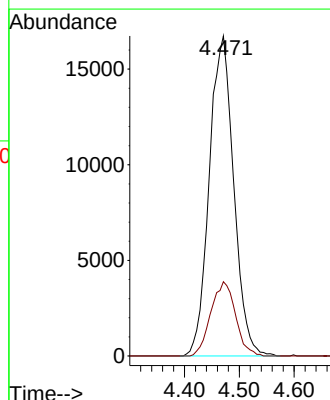
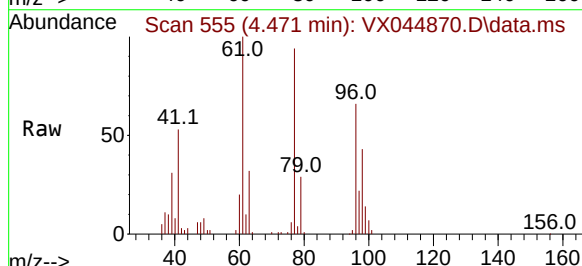
100

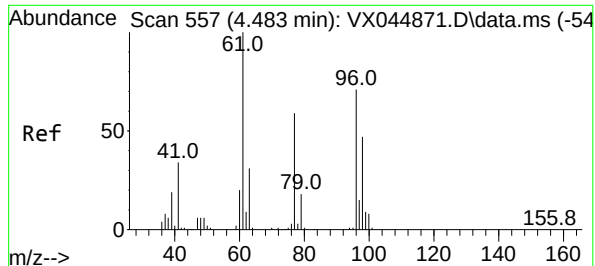
97

23.4

11.8

35.3





#27

cis-1,2-Dichloroethene

Concen: 21.328 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 42090

Ion Ratio Lower Upper

96 100

61 143.8 0.0 294.0

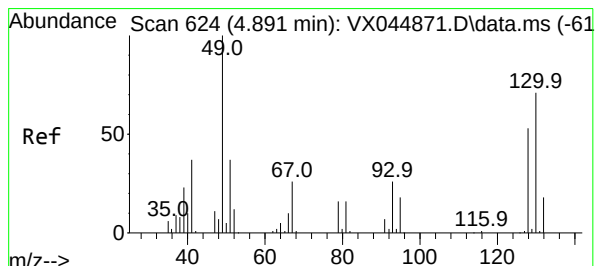
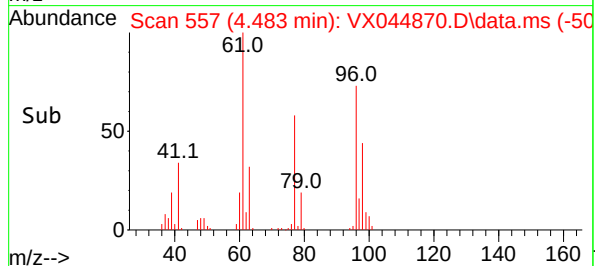
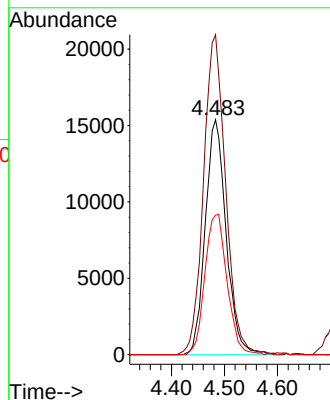
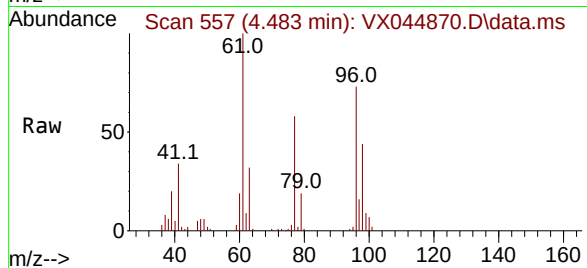
98 63.4 0.0 131.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#28

Bromochloromethane

Concen: 20.504 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.006 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

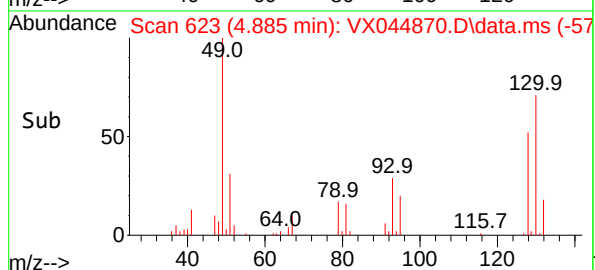
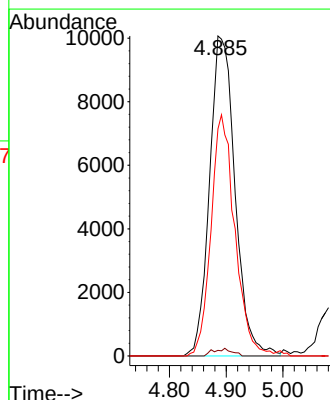
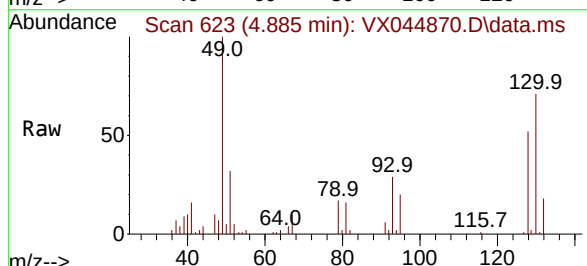
Tgt Ion: 49 Resp: 31474

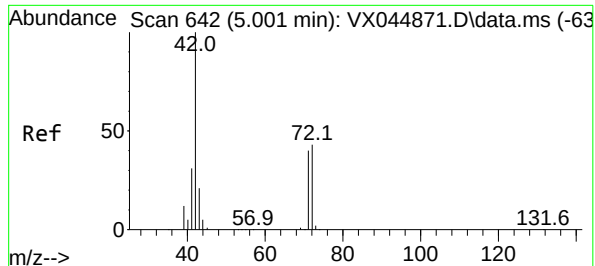
Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.6

130 70.3 56.7 85.1





#29

Tetrahydrofuran

Concen: 105.700 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

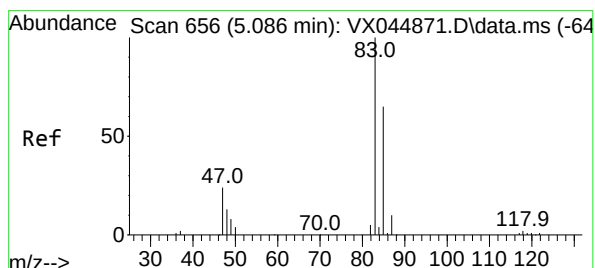
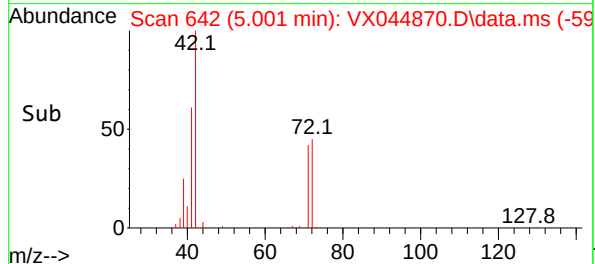
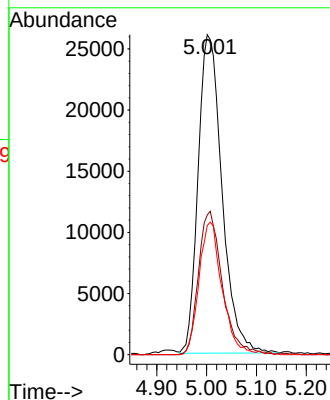
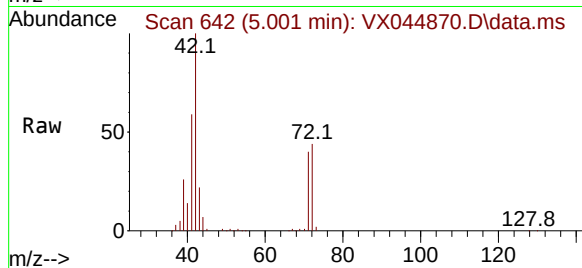
Tgt Ion:	42	Resp:	8687
Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.0	52.4
71	40.4	32.6	48.8

Manual Integrations

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Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#30

Chloroform

Concen: 21.217 ug/l

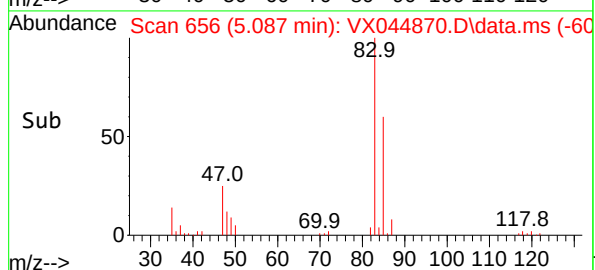
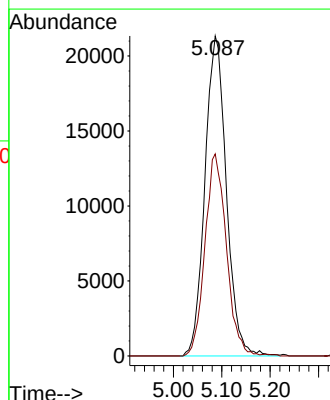
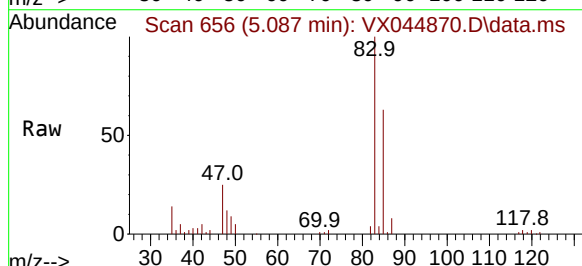
RT: 5.087 min Scan# 656

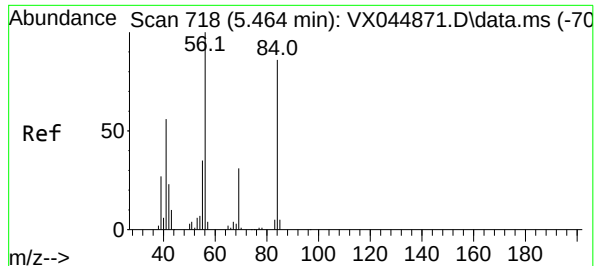
Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

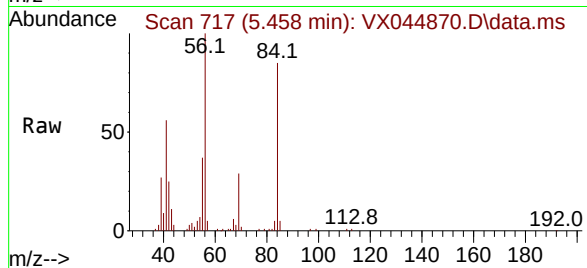
Tgt Ion:	83	Resp:	65721
Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.1	78.1





#31
Cyclohexane
Concen: 20.653 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

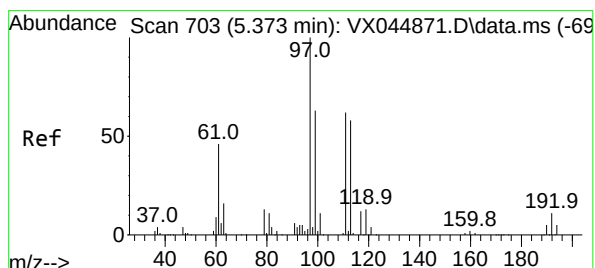
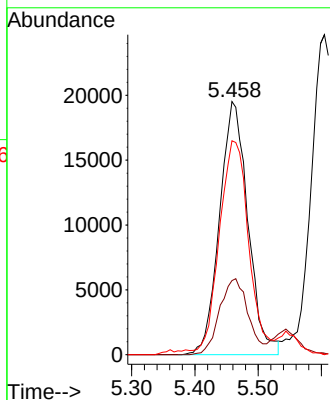
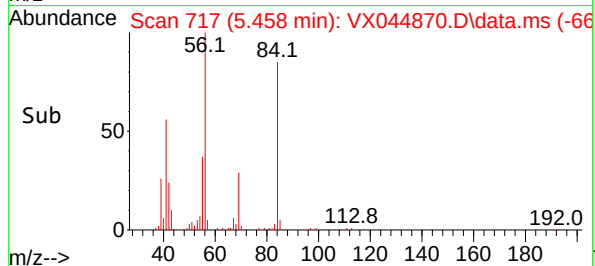
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 56 Resp: 60814
Ion Ratio Lower Upper
56 100
69 29.2 24.4 36.6
84 83.1 69.0 103.6

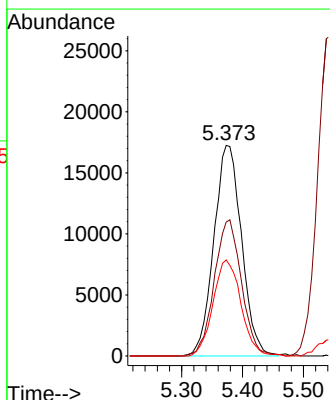
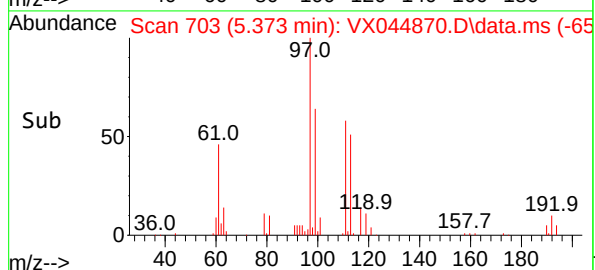
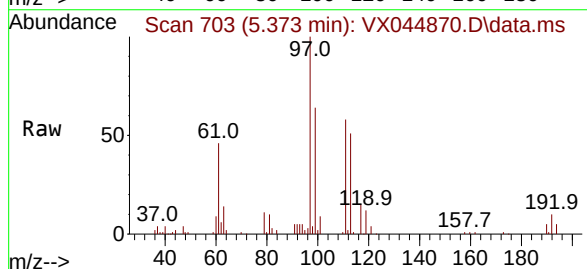
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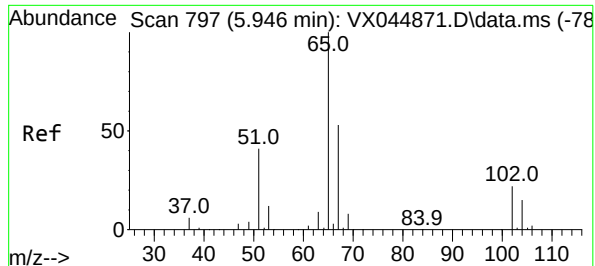
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#32
1,1,1-Trichloroethane
Concen: 20.724 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 97 Resp: 54450
Ion Ratio Lower Upper
97 100
99 63.4 51.0 76.6
61 45.9 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 19.616 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.007 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 3719

Ion Ratio Lower Upper

65 100

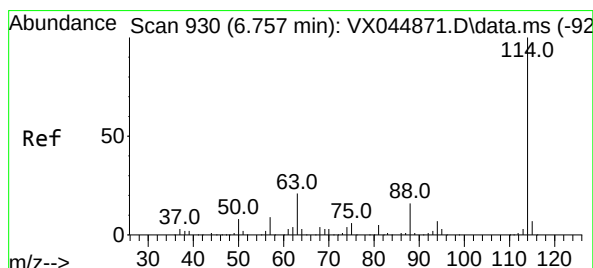
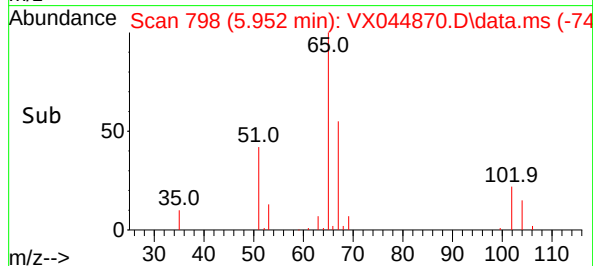
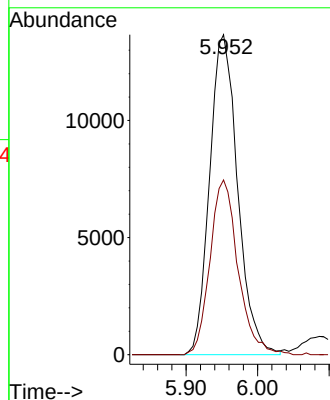
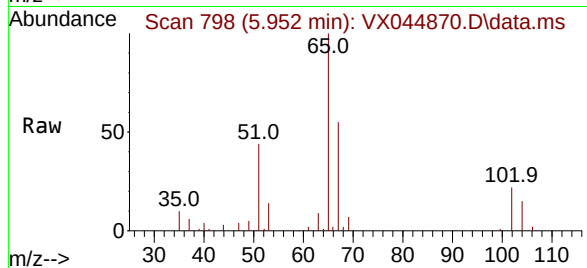
67 54.6 0.0 108.2

Manual Integrations

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Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

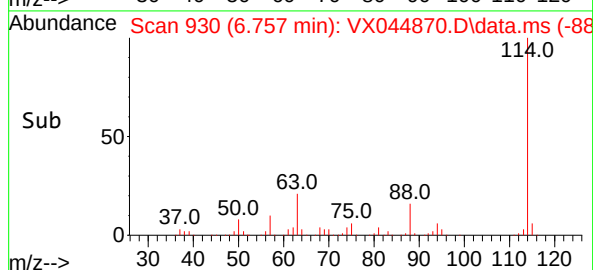
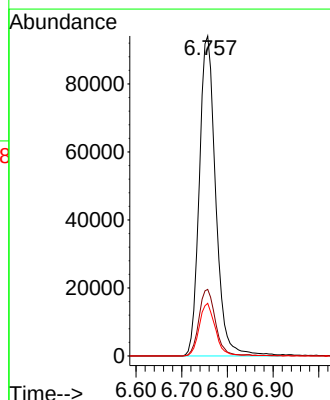
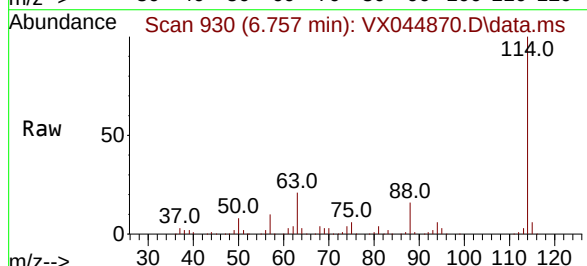
Tgt Ion:114 Resp: 234445

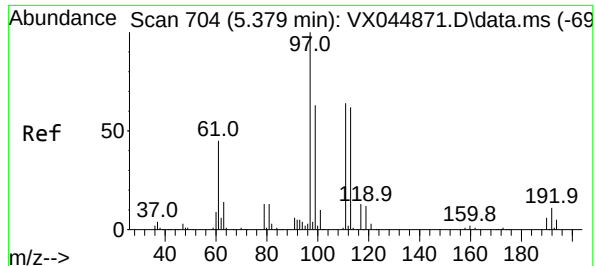
Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.4

88 16.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 19.793 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

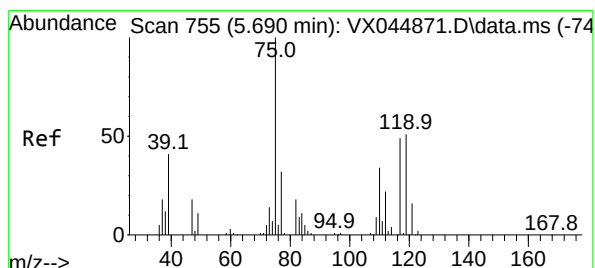
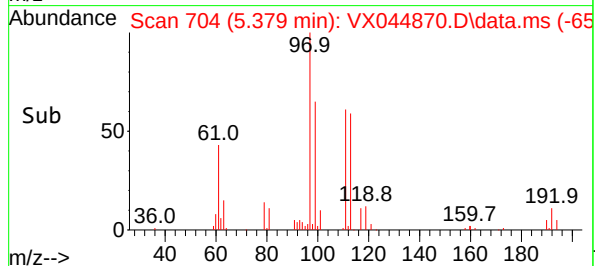
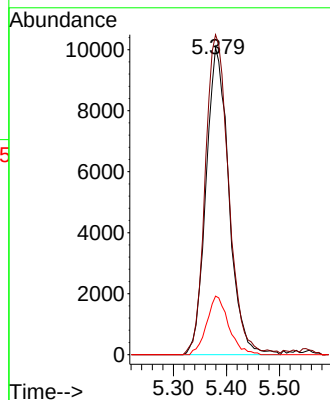
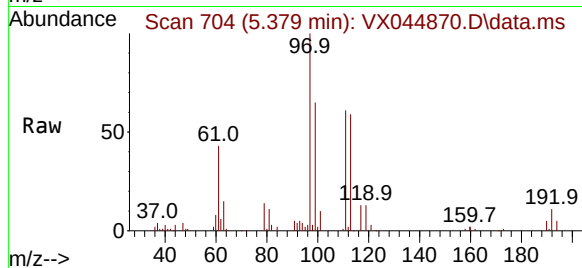
Tgt Ion:	113	Resp:	30170
Ion	Ratio	Lower	Upper
113	100		
111	106.3	83.5	125.3
192	18.3	14.4	21.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#36

1,1-Dichloropropene

Concen: 20.913 ug/l

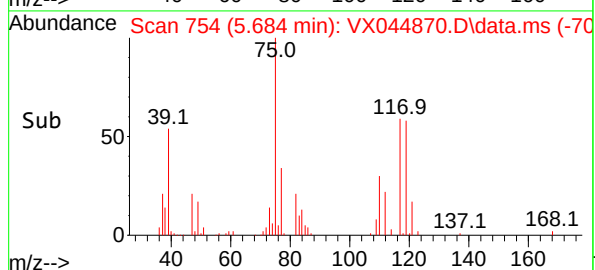
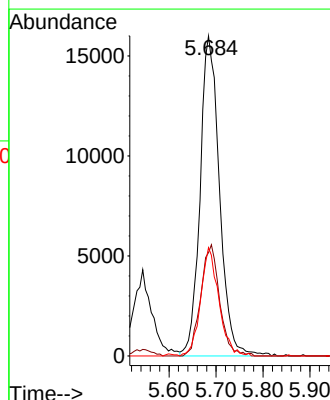
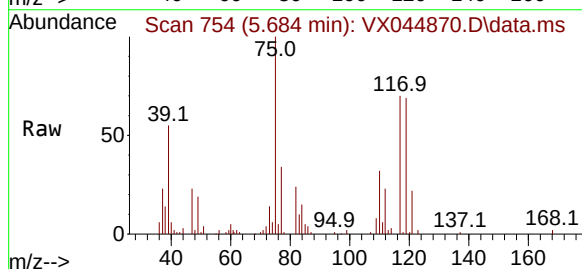
RT: 5.684 min Scan# 754

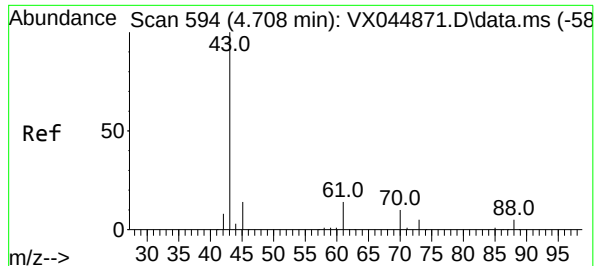
Delta R.T. -0.006 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Tgt Ion:	75	Resp:	45991
Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.2	51.6
77	31.7	24.6	37.0





#37

Ethyl Acetate

Concen: 20.949 ug/l

RT: 4.715 min Scan# 5124

Delta R.T. 0.007 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

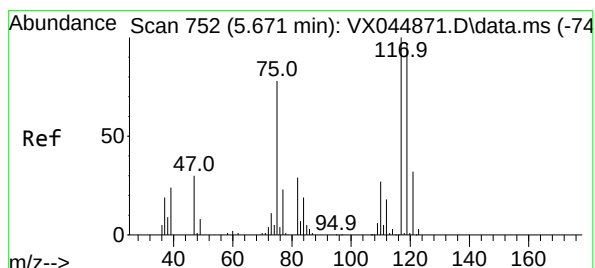
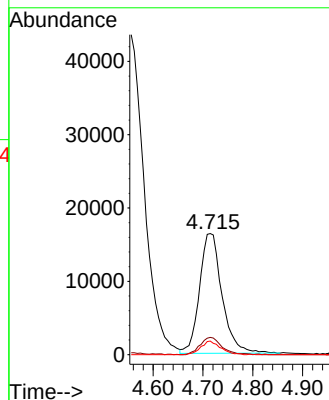
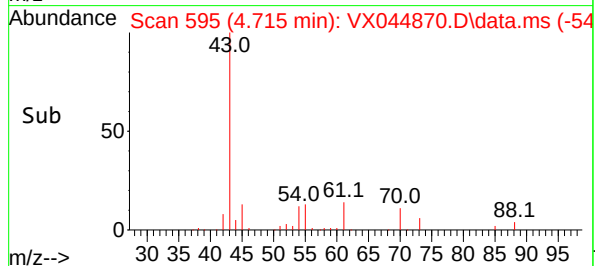
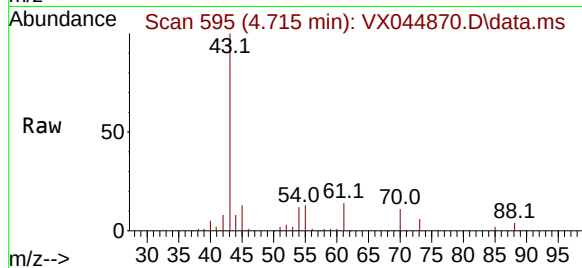
VSTDIC020

Tgt Ion:	43	Resp:	5124
Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.0	16.4
70	9.9	8.2	12.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#38

Carbon Tetrachloride

Concen: 20.790 ug/l

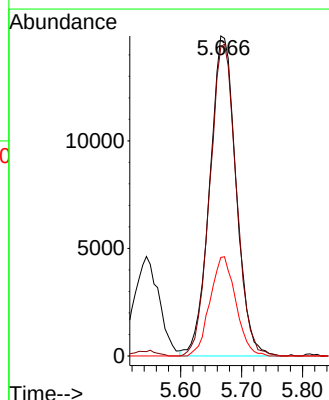
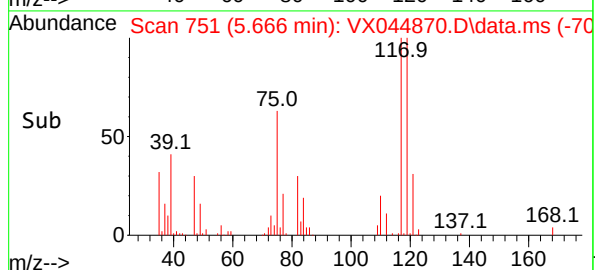
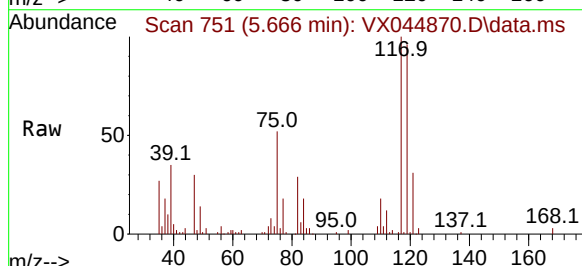
RT: 5.666 min Scan# 751

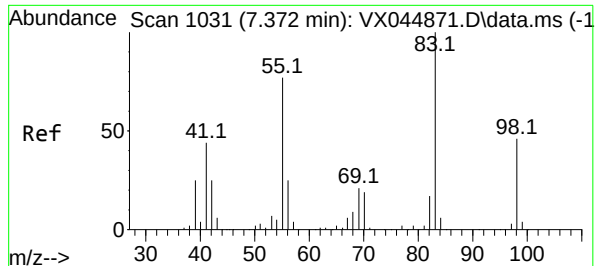
Delta R.T. -0.006 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Tgt Ion:	117	Resp:	44802
Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.5	116.3
121	30.8	25.6	38.4





#39

Methylcyclohexane

Concen: 21.985 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 83 Resp: 6250

Ion Ratio Lower Upper

83 100

55 74.3 61.3 91.9

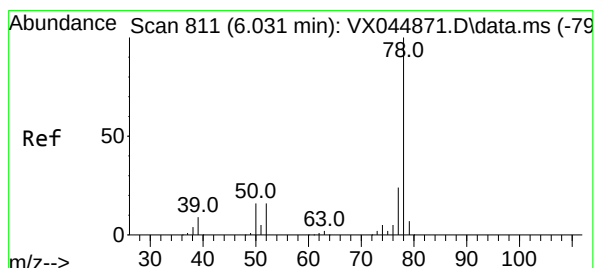
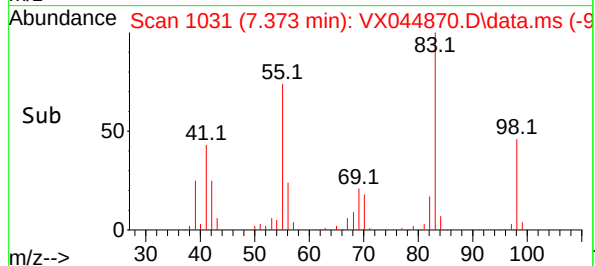
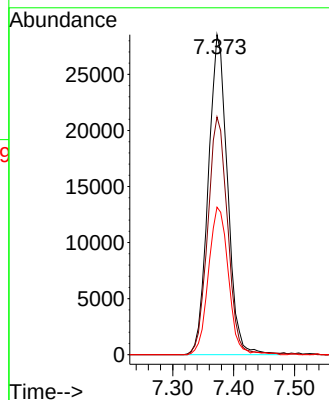
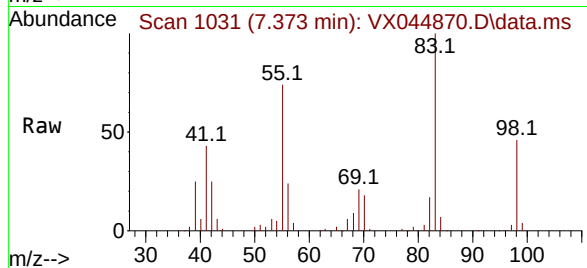
98 46.1 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#40

Benzene

Concen: 21.540 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044870.D

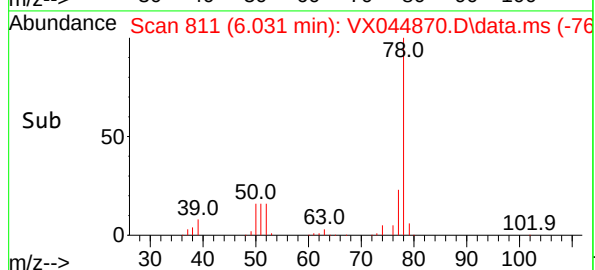
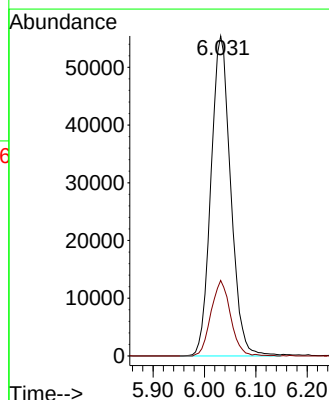
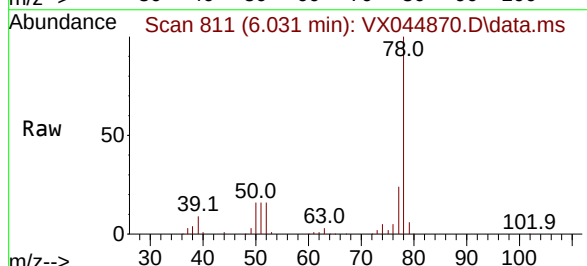
Acq: 10 Feb 2025 11:11

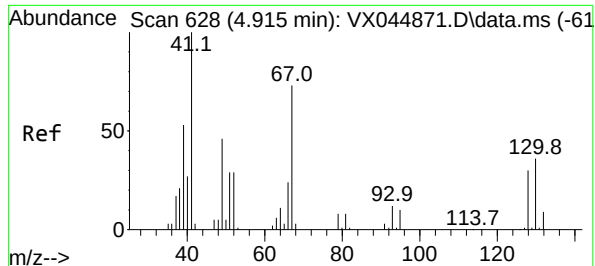
Tgt Ion: 78 Resp: 147912

Ion Ratio Lower Upper

78 100

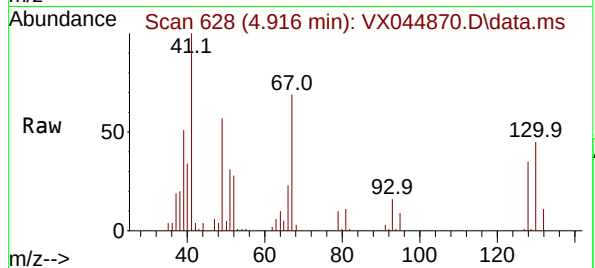
77 23.6 19.0 28.6





#41
Methacrylonitrile
Concen: 20.887 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

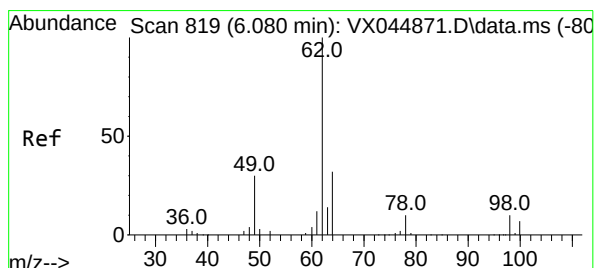
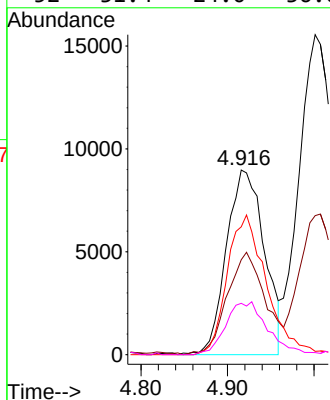
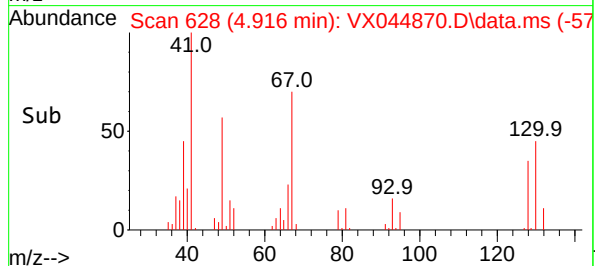
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion: 41 Resp: 2734
Ion Ratio Lower Upper
41 100
39 55.9 43.1 64.7
67 78.6 57.0 85.6
52 31.4 24.0 36.0

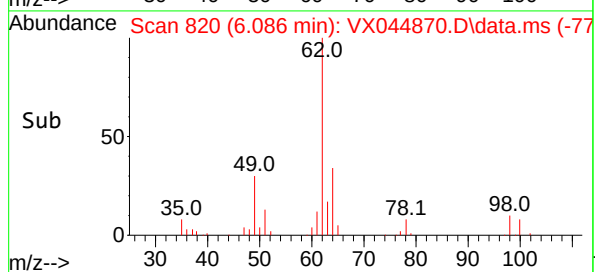
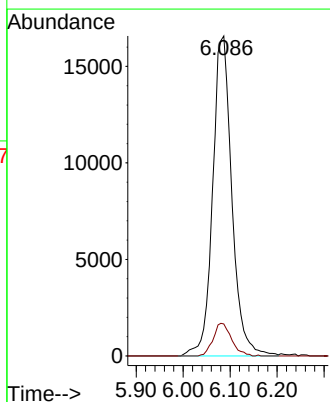
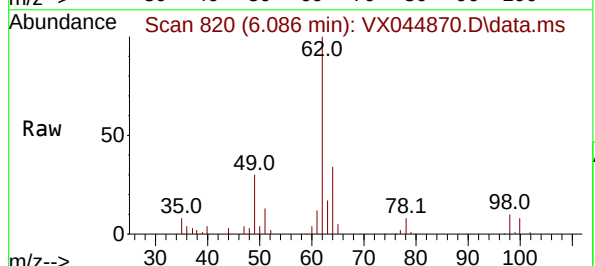
Manual Integrations
APPROVED

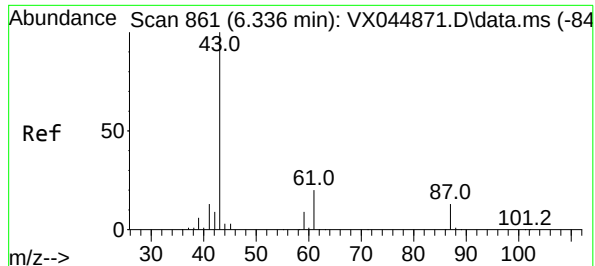
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#42
1,2-Dichloroethane
Concen: 21.519 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 62 Resp: 47095
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.4





#43

Isopropyl Acetate

Concen: 21.343 ug/l

RT: 6.336 min Scan# 80

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

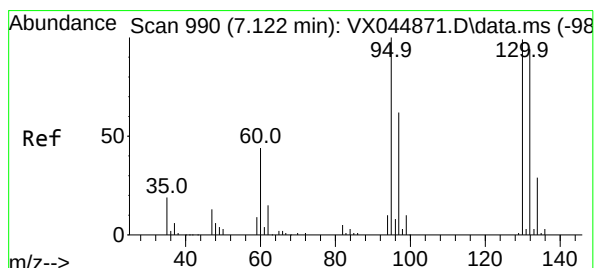
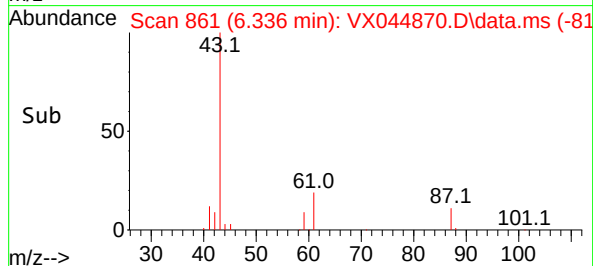
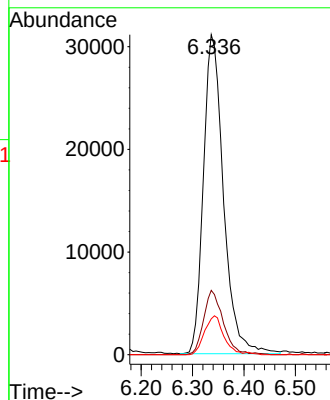
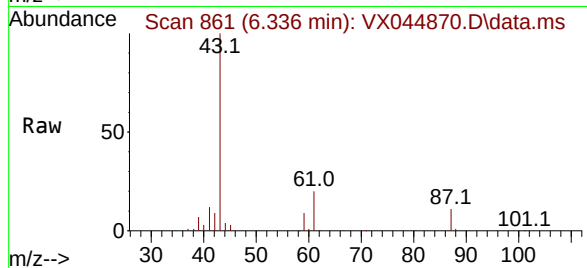
VSTDICC020

Tgt Ion:	43	Resp:	84300
Ion Ratio	Lower	Upper	
43	100		
61	19.5	15.8	23.8
87	11.6	10.0	15.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#44

Trichloroethene

Concen: 21.910 ug/l

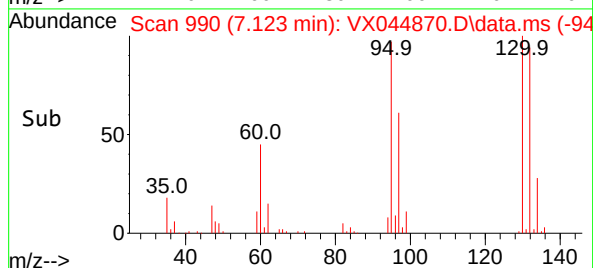
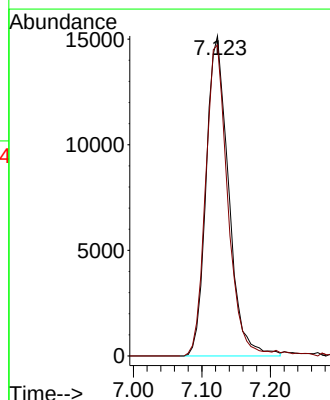
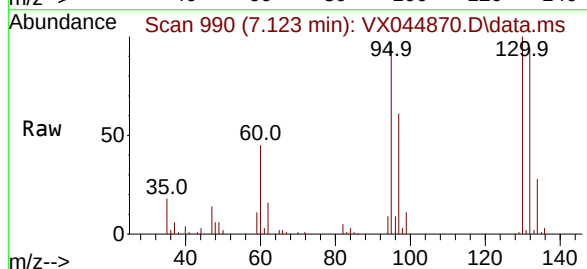
RT: 7.123 min Scan# 990

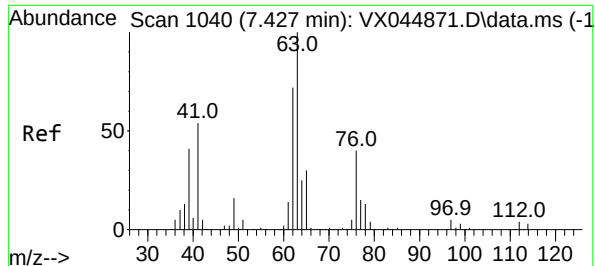
Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Tgt Ion:	130	Resp:	34390
Ion Ratio	Lower	Upper	
130	100		
95	97.2	0.0	202.4





#45

1,2-Dichloropropane

Concen: 21.371 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 36510

Ion Ratio Lower Upper

63 100

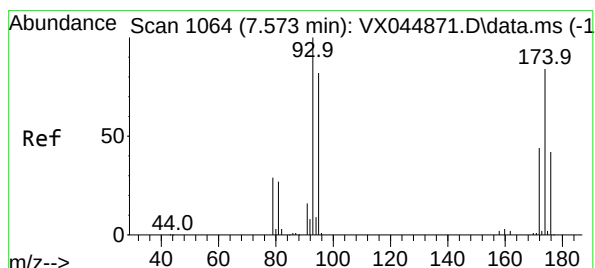
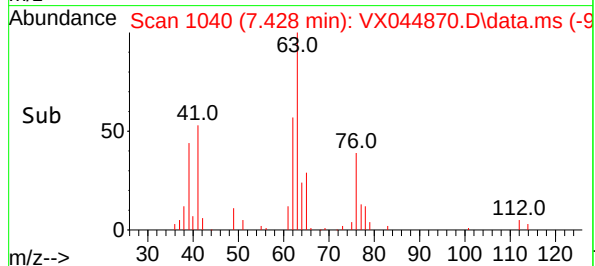
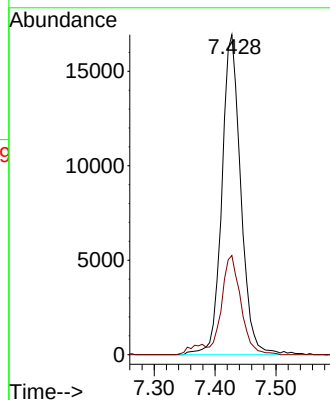
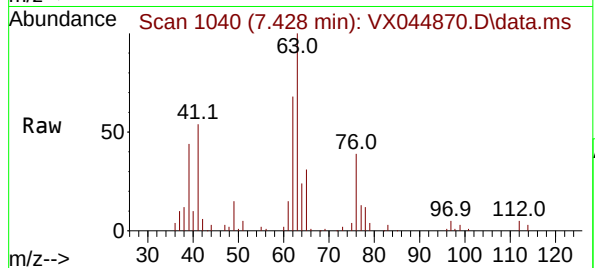
65 31.0 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#46

Dibromomethane

Concen: 21.354 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

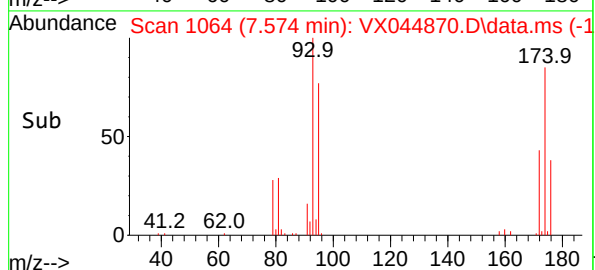
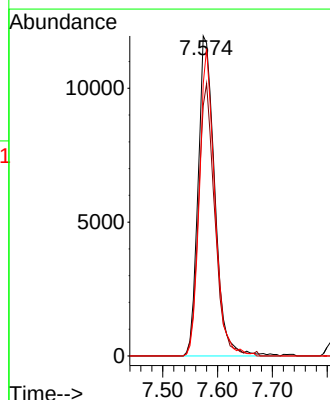
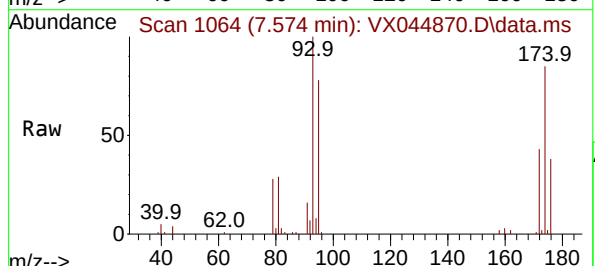
Tgt Ion: 93 Resp: 25300

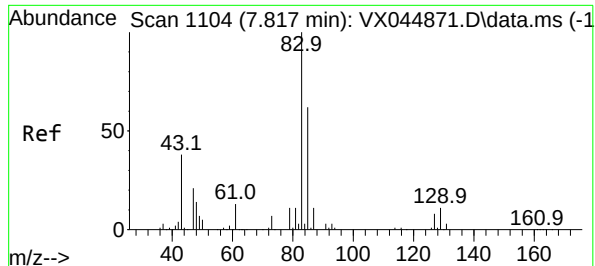
Ion Ratio Lower Upper

93 100

95 82.5 66.2 99.4

174 88.6 69.9 104.9





#47

Bromodichloromethane

Concen: 21.012 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

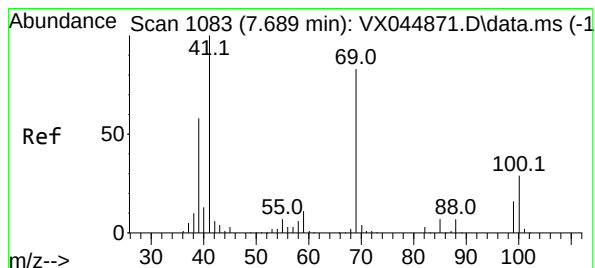
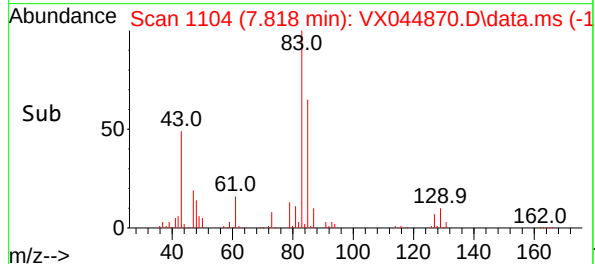
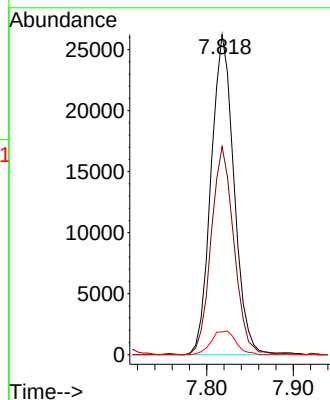
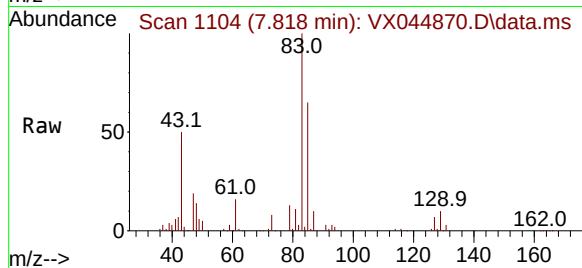
VSTDIC020

Tgt Ion:	83	Resp:	4820
Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.0	75.0
127	7.1	6.4	9.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#48

Methyl methacrylate

Concen: 21.341 ug/l

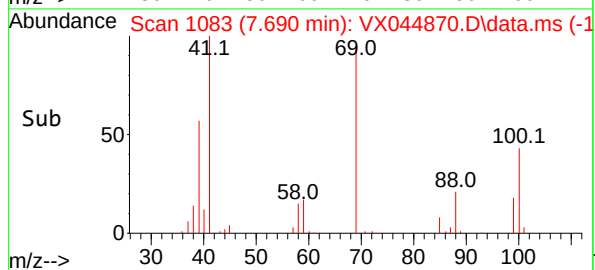
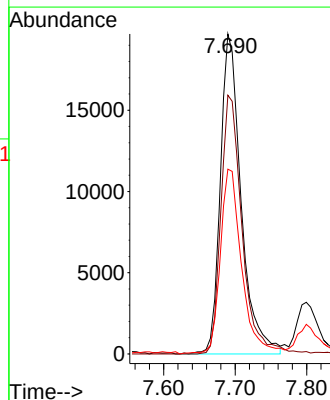
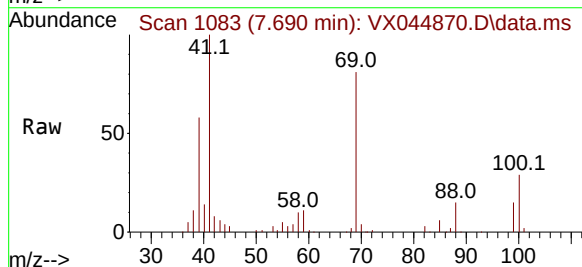
RT: 7.690 min Scan# 1083

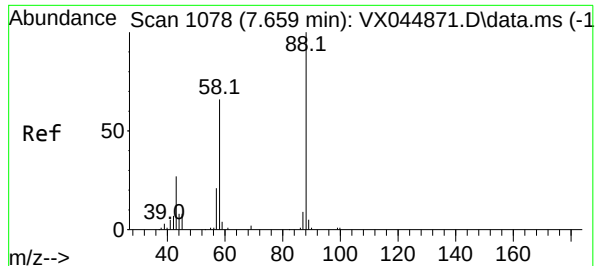
Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Tgt Ion:	41	Resp:	39747
Ion	Ratio	Lower	Upper
41	100		
69	82.5	65.8	98.8
39	58.2	46.4	69.6





#49

1,4-Dioxane

Concen: 429.262 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.007 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

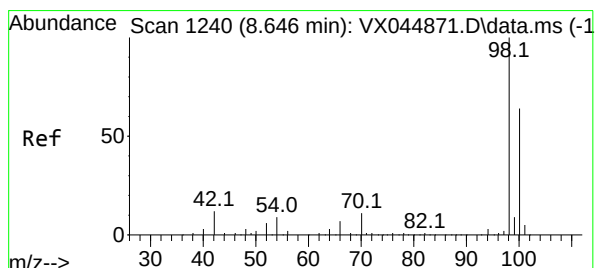
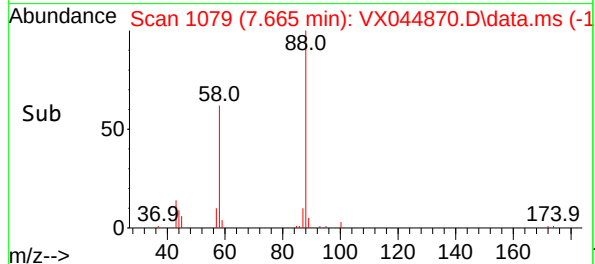
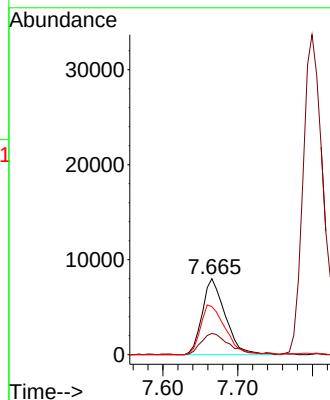
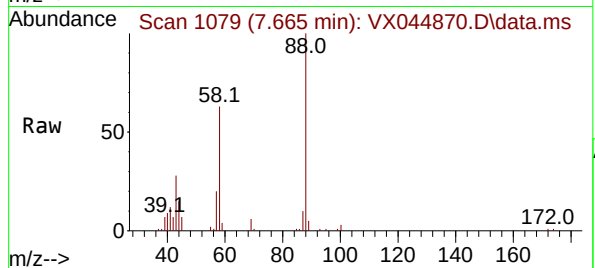
VSTDICC020

Tgt Ion:	88	Resp:	1715
Ion	Ratio	Lower	Upper
88	100		
43	34.3	26.6	39.8
58	69.3	55.9	83.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#50

Toluene-d8

Concen: 20.321 ug/l

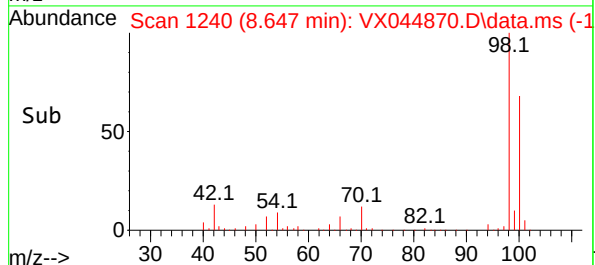
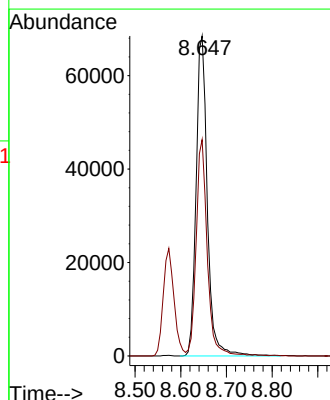
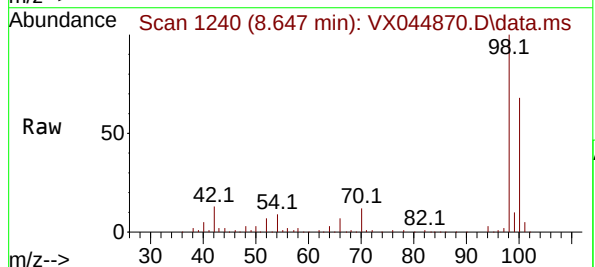
RT: 8.647 min Scan# 1240

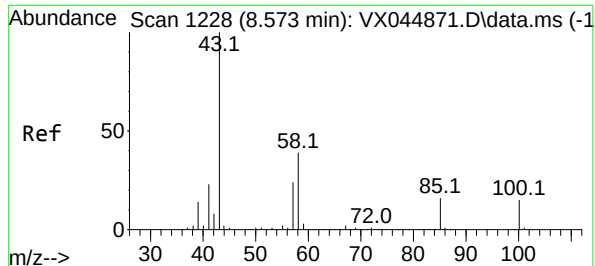
Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Tgt Ion:	98	Resp:	117127
Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 109.684 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 263394

Ion Ratio Lower Upper

43 100

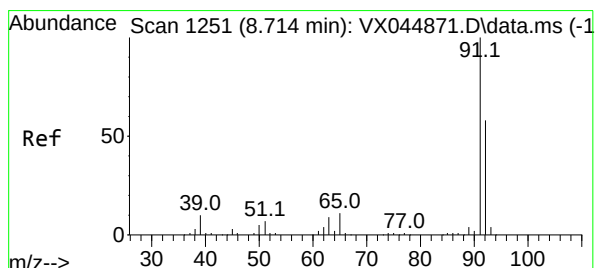
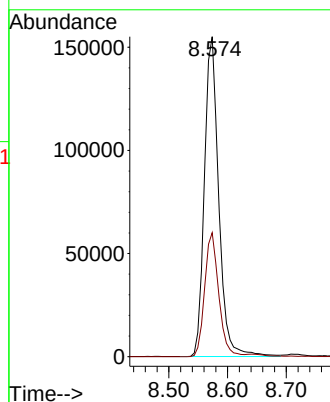
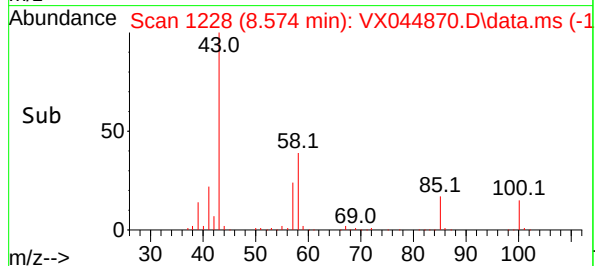
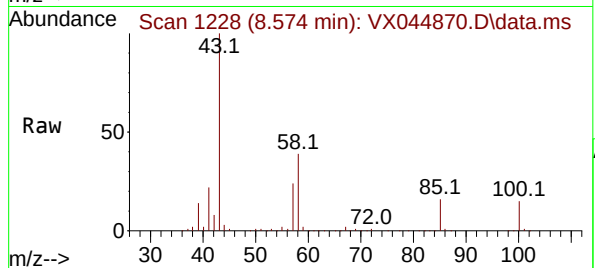
58 38.1 30.8 46.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#52

Toluene

Concen: 21.940 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX044870.D

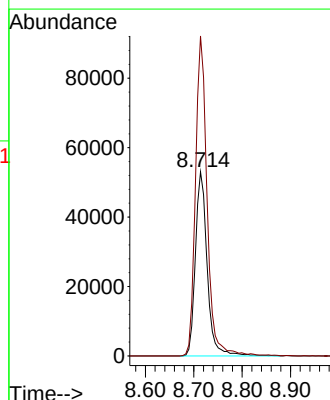
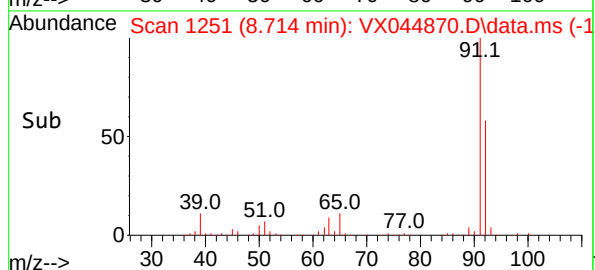
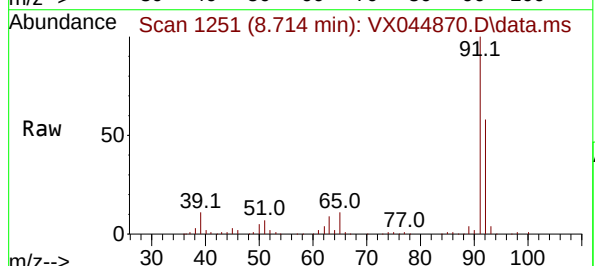
Acq: 10 Feb 2025 11:11

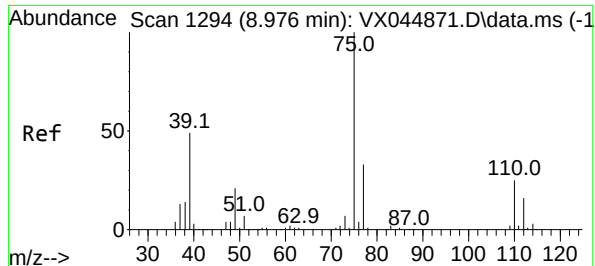
Tgt Ion: 92 Resp: 89726

Ion Ratio Lower Upper

92 100

91 171.0 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 20.940 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 75 Resp: 4861

Ion Ratio Lower Upper

75 100

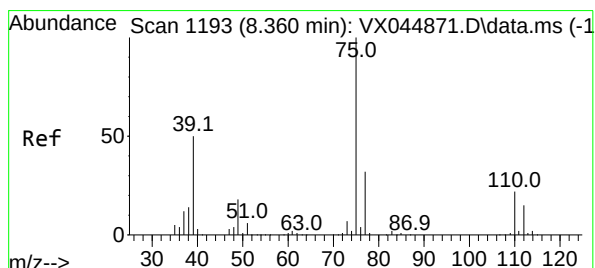
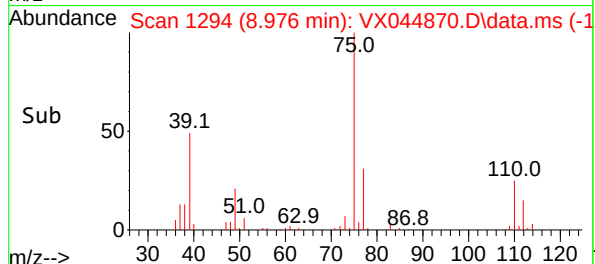
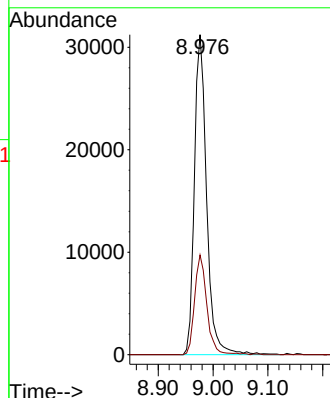
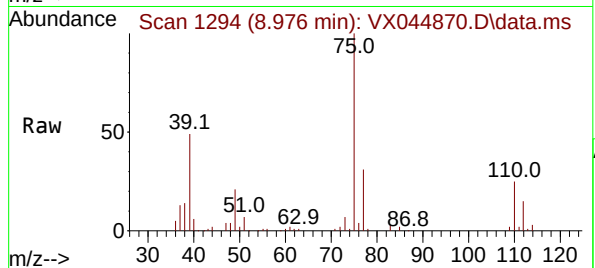
77 31.2 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#54

cis-1,3-Dichloropropene

Concen: 21.259 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.007 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

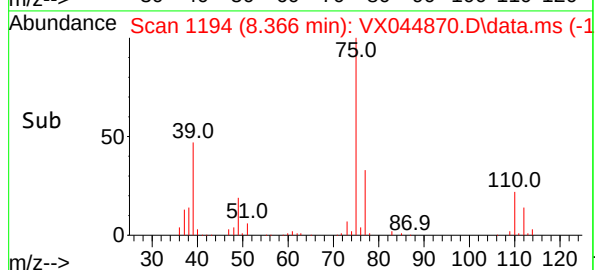
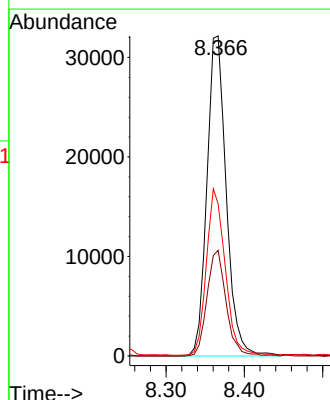
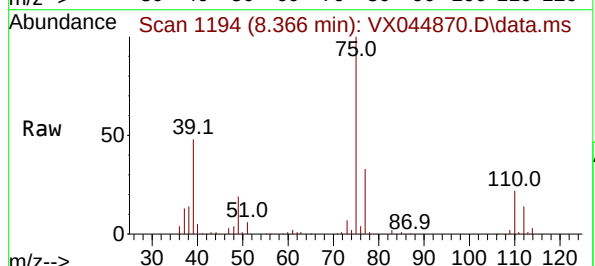
Tgt Ion: 75 Resp: 55026

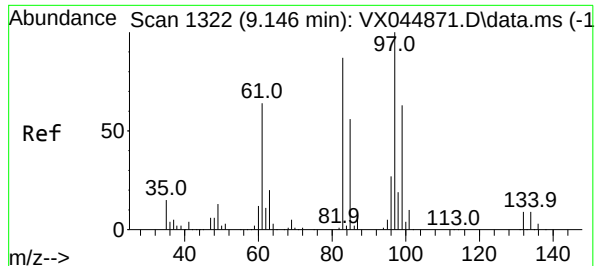
Ion Ratio Lower Upper

75 100

77 33.0 25.3 37.9

39 47.3 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 21.582 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

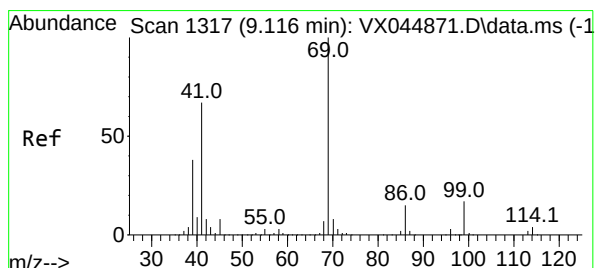
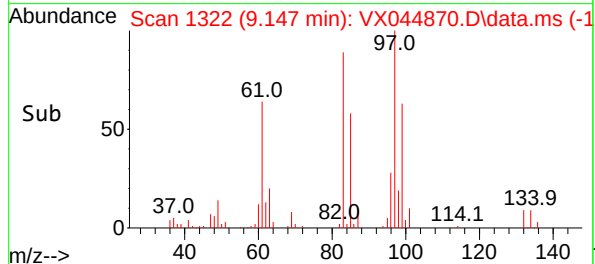
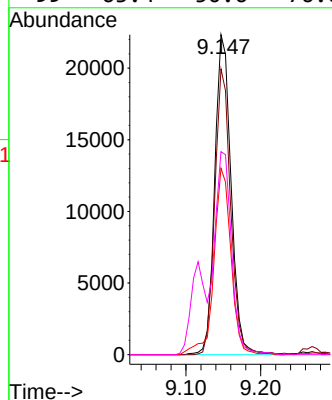
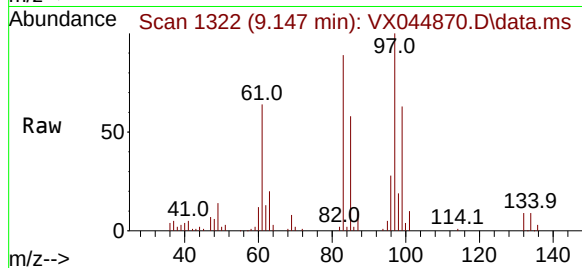
VSTDIC020

Tgt Ion: 97	Resp: 33930
Ion Ratio	Lower Upper
97 100	
83 89.3	69.8 104.6
85 58.3	44.8 67.2
99 63.4	50.6 76.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#56

Ethyl methacrylate

Concen: 21.533 ug/l

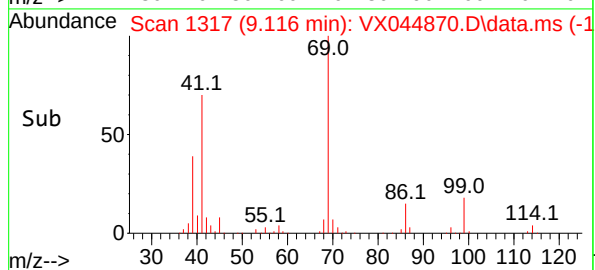
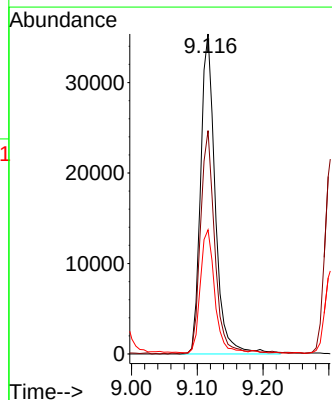
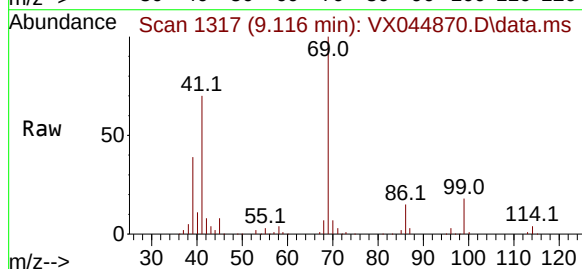
RT: 9.116 min Scan# 1317

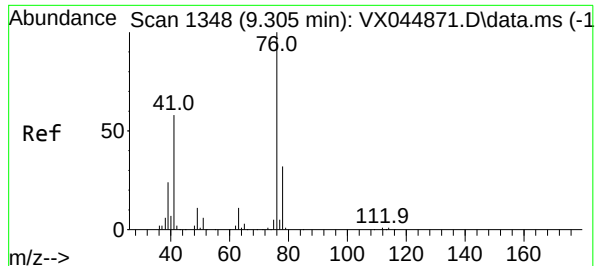
Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Tgt Ion: 69	Resp: 54674
Ion Ratio	Lower Upper
69 100	
41 68.4	55.2 82.8
39 37.4	30.8 46.2





#57

1,3-Dichloropropane

Concen: 21.841 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 60079

Ion Ratio Lower Upper

76 100

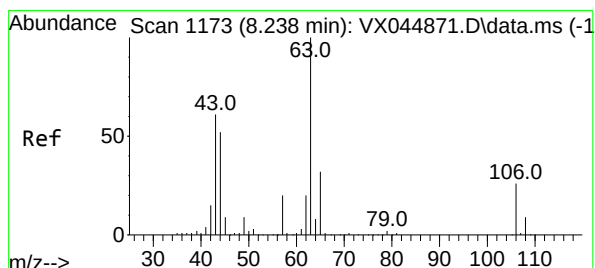
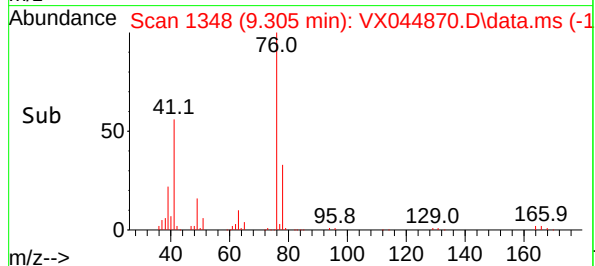
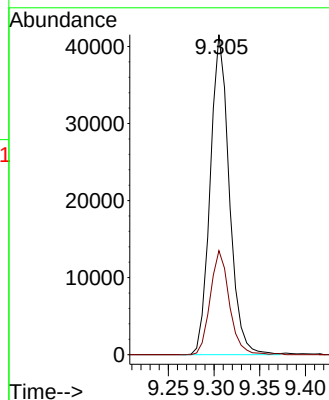
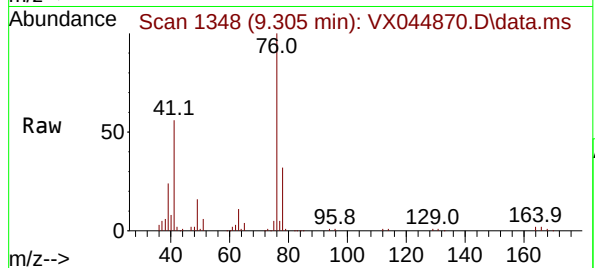
78 32.6 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#58

2-Chloroethyl Vinyl ether

Concen: 106.736 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044870.D

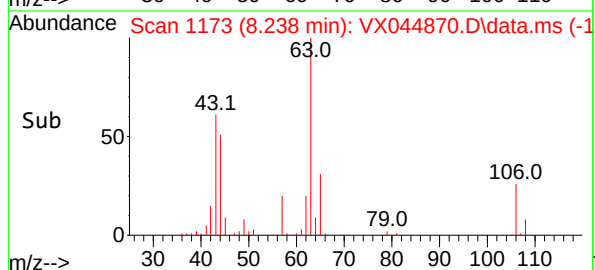
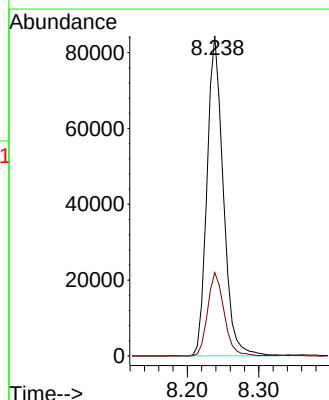
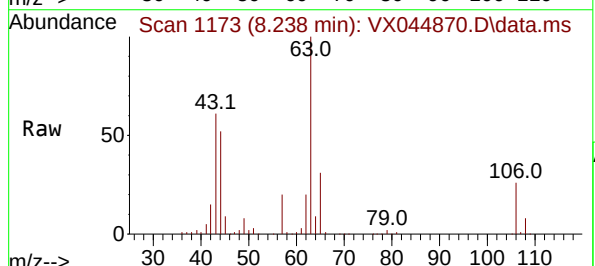
Acq: 10 Feb 2025 11:11

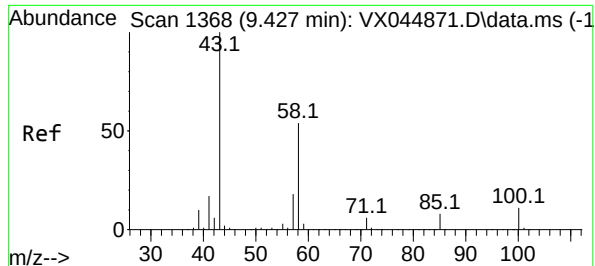
Tgt Ion: 63 Resp: 133072

Ion Ratio Lower Upper

63 100

106 26.6 21.3 31.9





#59

2-Hexanone

Concen: 110.072 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 190449

Ion Ratio Lower Upper

43 100

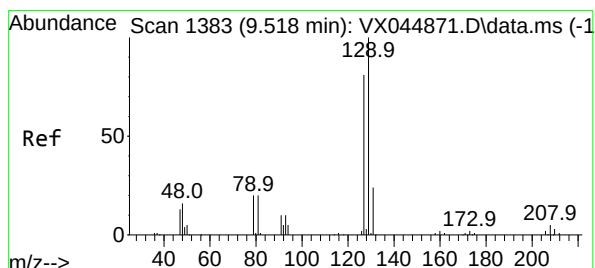
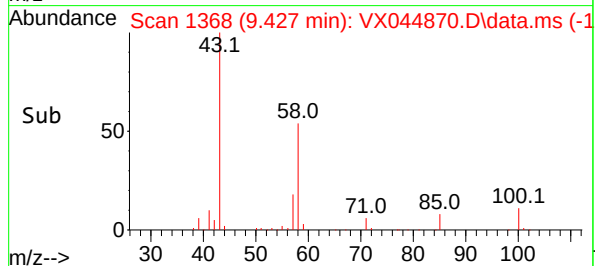
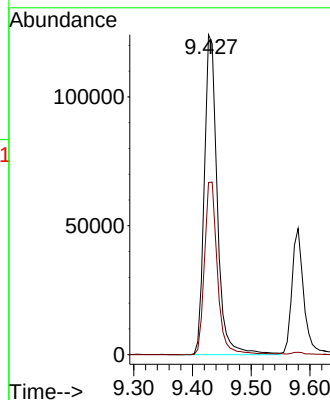
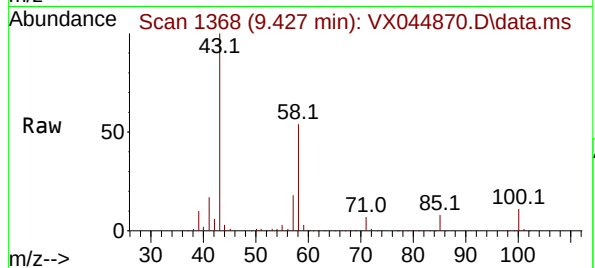
58 53.5 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#60

Dibromochloromethane

Concen: 21.237 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044870.D

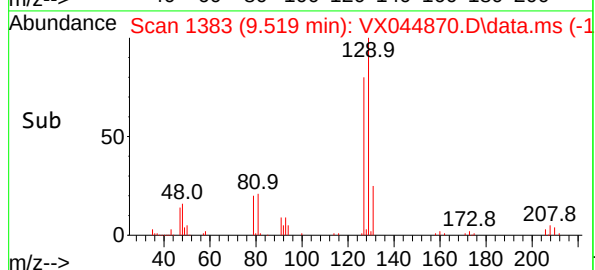
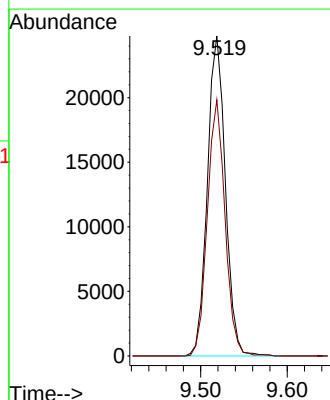
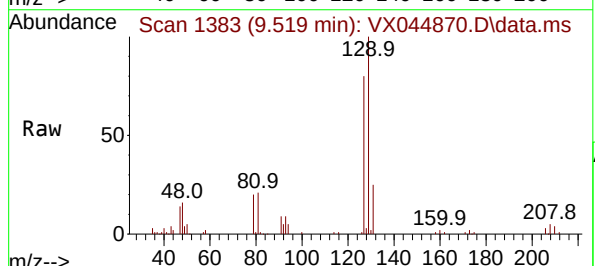
Acq: 10 Feb 2025 11:11

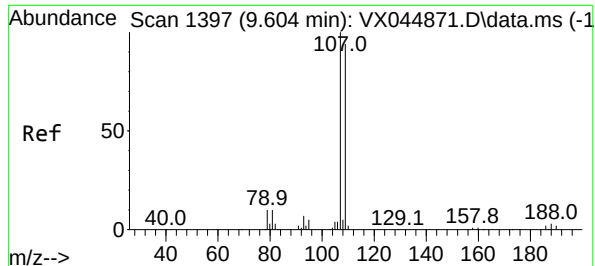
Tgt Ion:129 Resp: 35706

Ion Ratio Lower Upper

129 100

127 79.0 39.1 117.3





#61

1,2-Dibromoethane

Concen: 21.628 ug/l

RT: 9.604 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:107 Resp: 3446

Ion Ratio Lower Upper

107 100

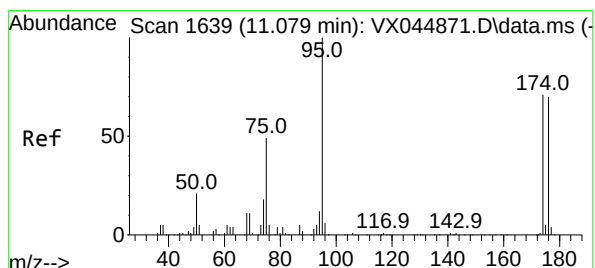
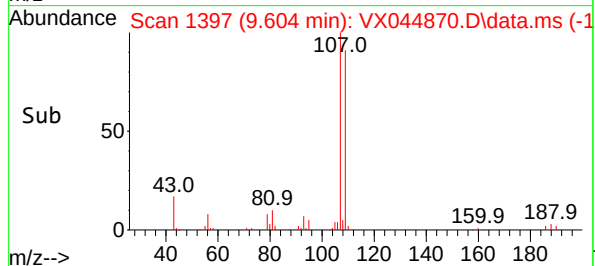
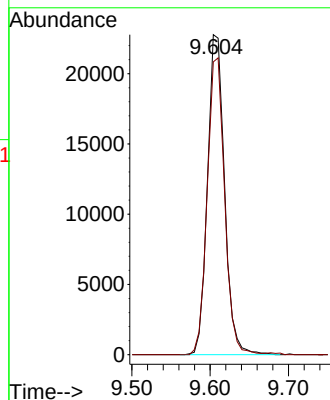
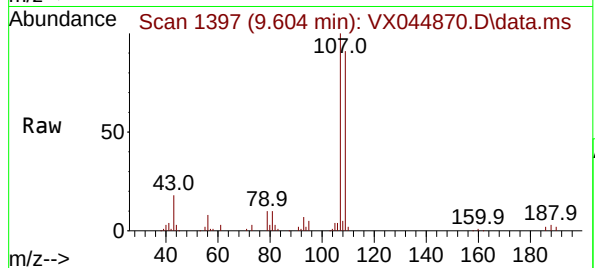
109 94.5 75.9 113.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#62

4-Bromofluorobenzene

Concen: 19.800 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

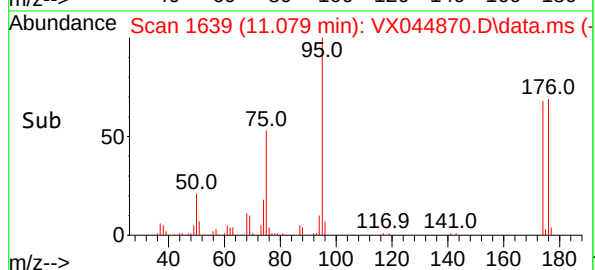
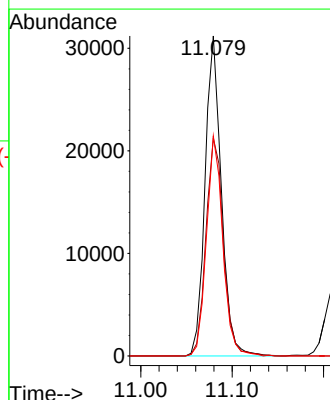
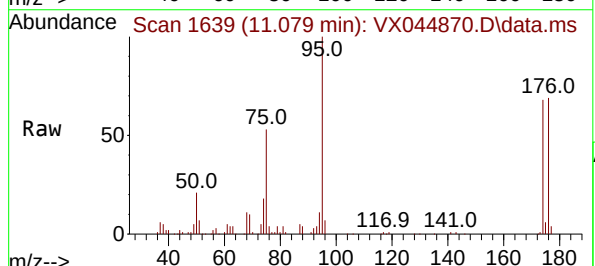
Tgt Ion: 95 Resp: 38475

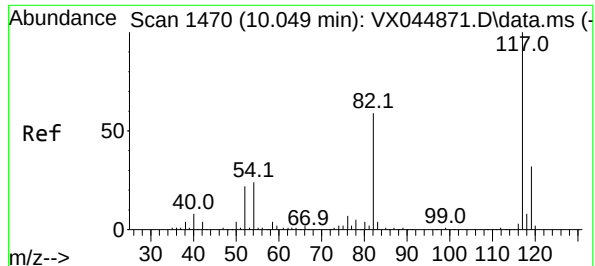
Ion Ratio Lower Upper

95 100

174 73.5 0.0 142.6

176 69.0 0.0 141.6





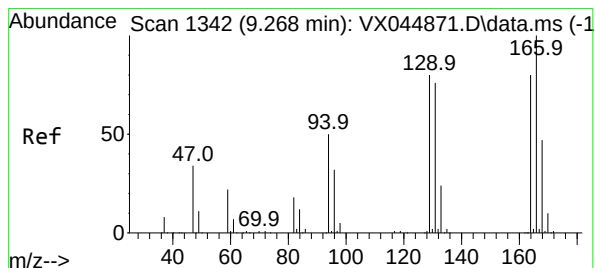
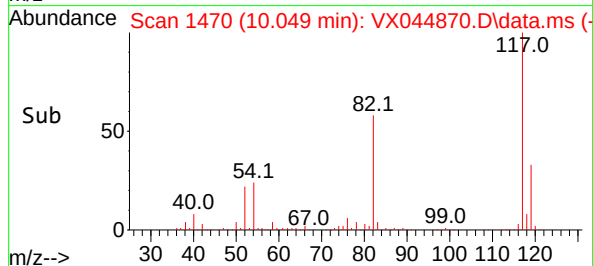
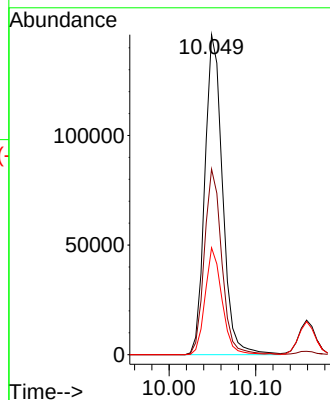
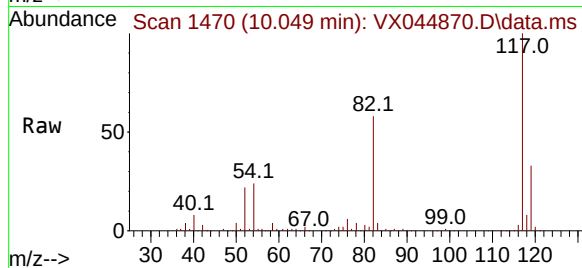
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 20766
Ion Ratio Lower Upper
117 100
82 58.0 47.5 71.3
119 33.4 25.4 38.0

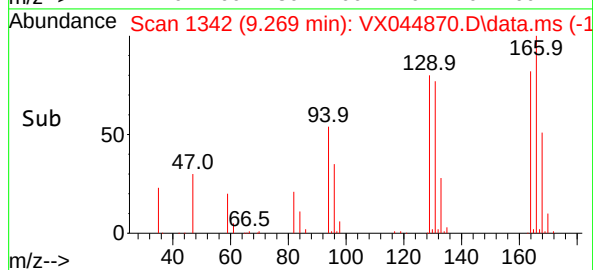
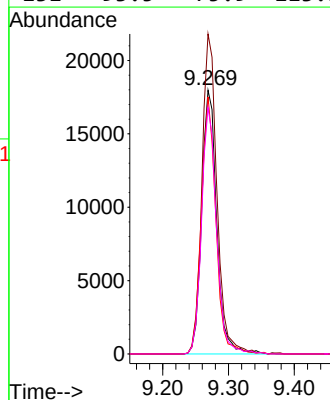
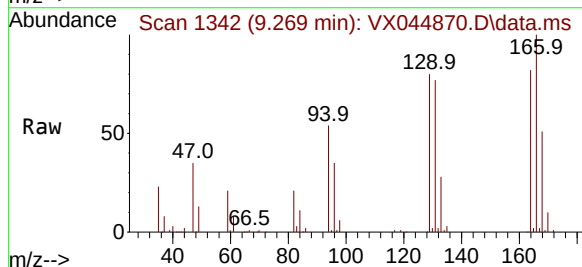
Manual Integrations
APPROVED

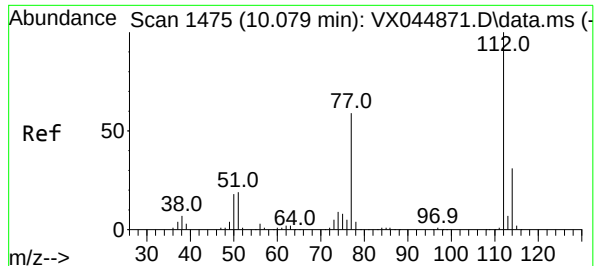
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#64
Tetrachloroethene
Concen: 21.776 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:164 Resp: 28519
Ion Ratio Lower Upper
164 100
166 121.4 100.4 150.6
129 97.6 79.9 119.9
131 93.5 75.9 113.9





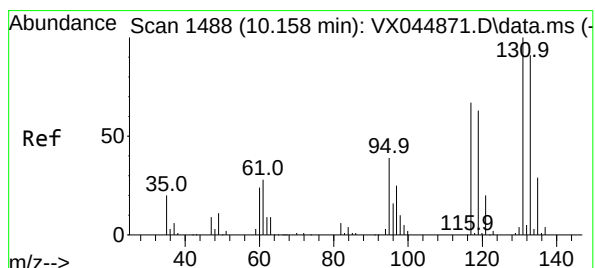
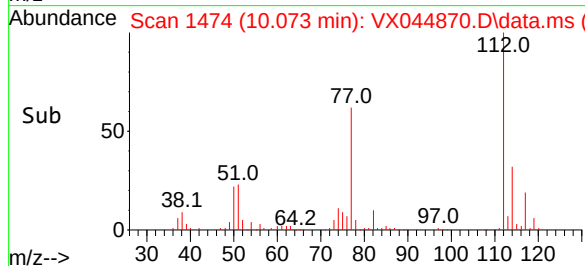
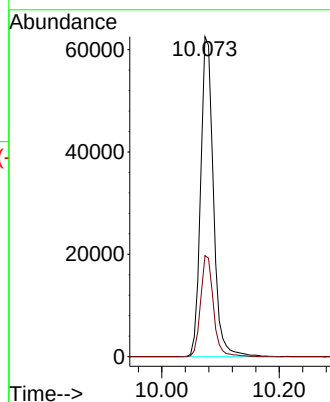
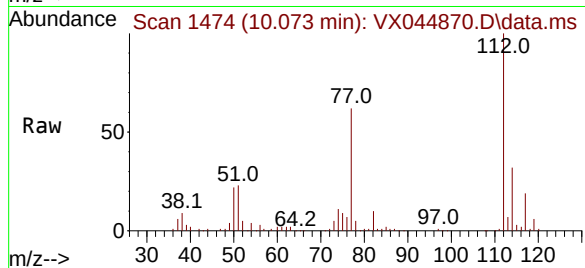
#65
Chlorobenzene
Concen: 21.230 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:112 Resp: 9469
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.6

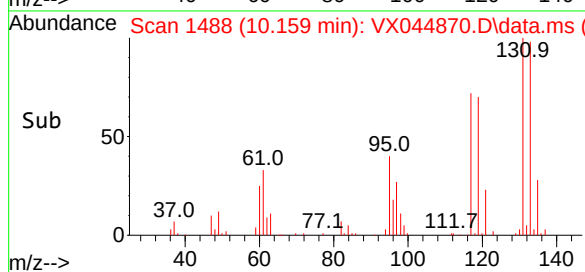
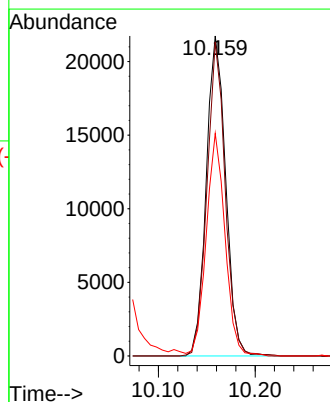
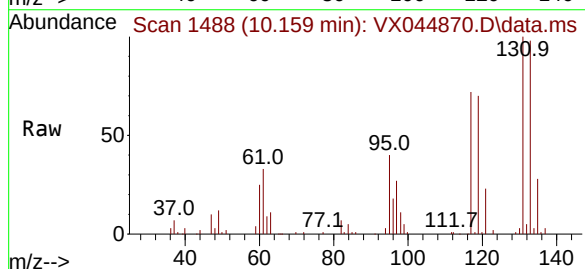
Manual Integrations
APPROVED

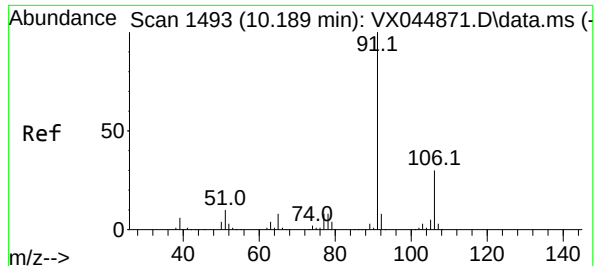
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 21.136 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:131 Resp: 30344
Ion Ratio Lower Upper
131 100
133 92.9 47.1 141.3
119 67.4 33.6 100.6





#67

Ethyl Benzene

Concen: 21.327 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 16786

Ion Ratio Lower Upper

91 100

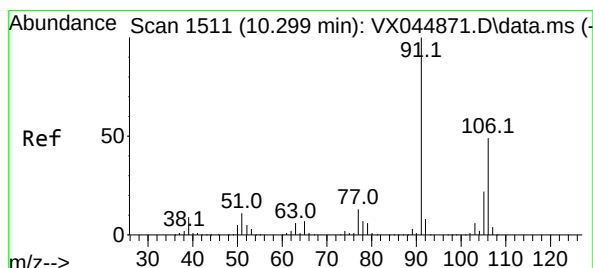
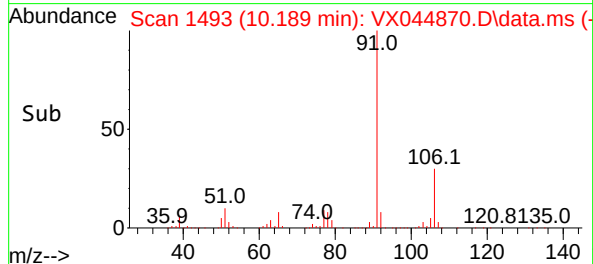
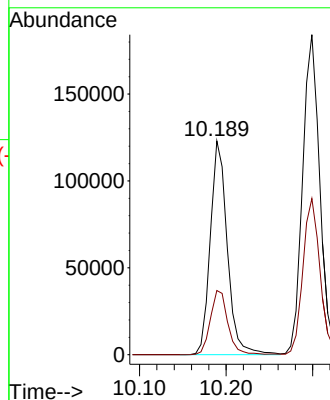
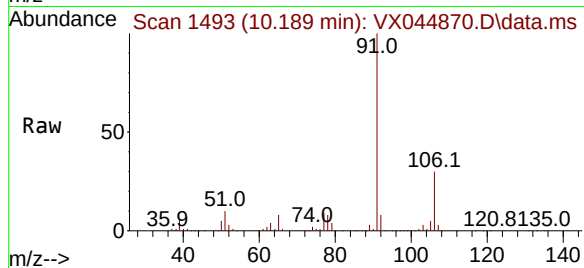
106 30.0 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#68

m/p-Xylenes

Concen: 43.144 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044870.D

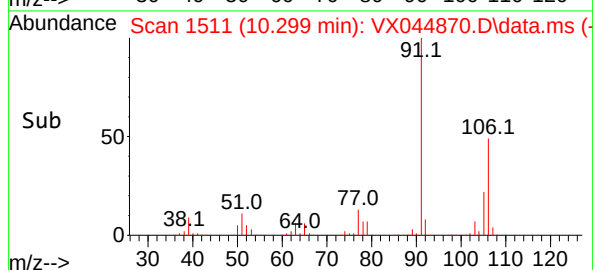
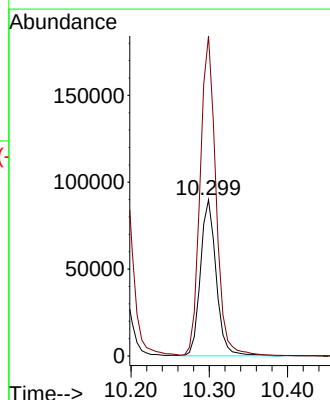
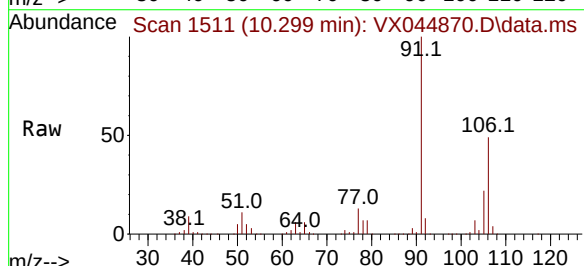
Acq: 10 Feb 2025 11:11

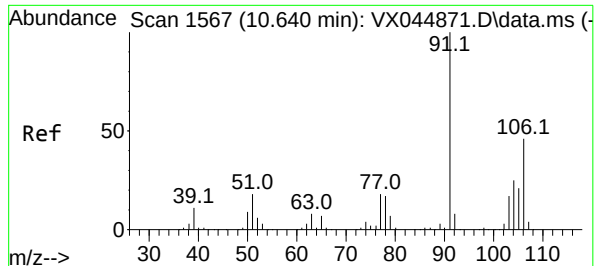
Tgt Ion:106 Resp: 125271

Ion Ratio Lower Upper

106 100

91 206.3 164.3 246.5





#69

o-Xylene

Concen: 21.310 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:106 Resp: 6208

Ion Ratio Lower Upper

106 100

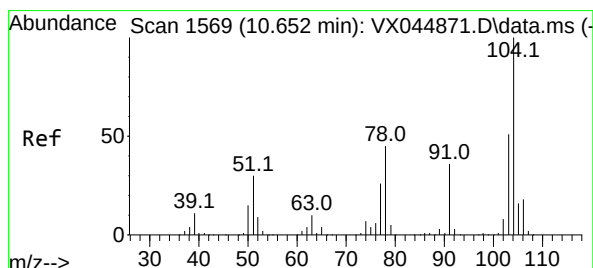
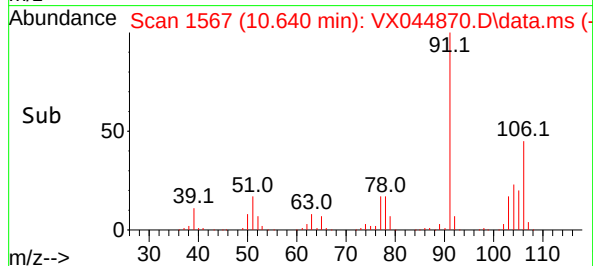
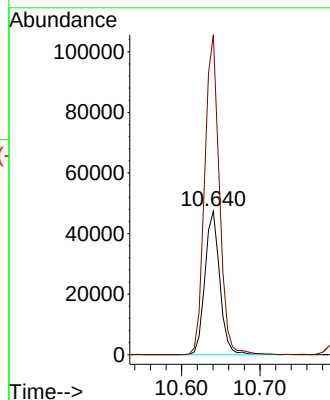
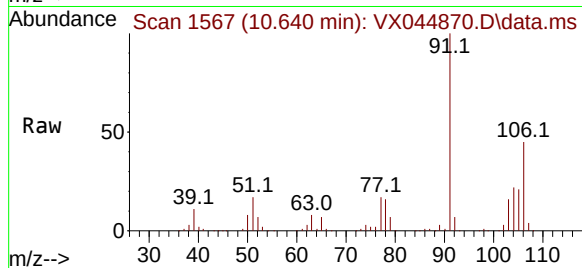
91 221.5 108.5 325.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#70

Styrene

Concen: 22.101 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

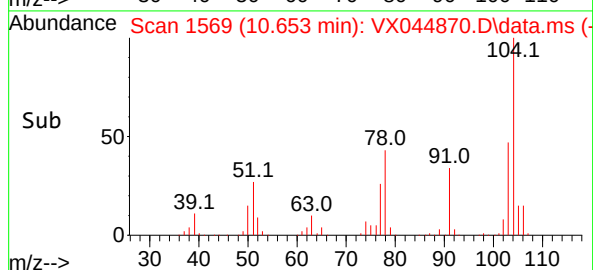
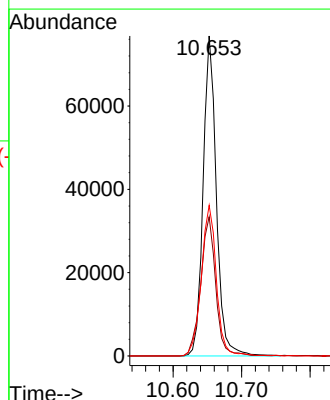
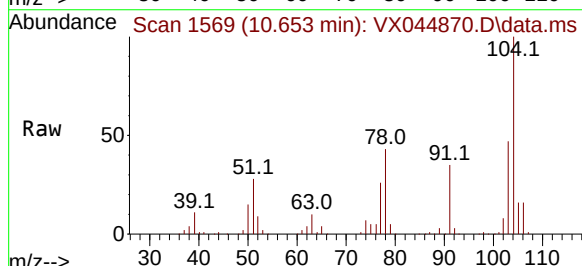
Tgt Ion:104 Resp: 103740

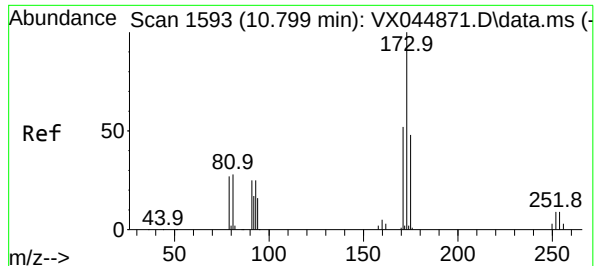
Ion Ratio Lower Upper

104 100

78 49.2 40.5 60.7

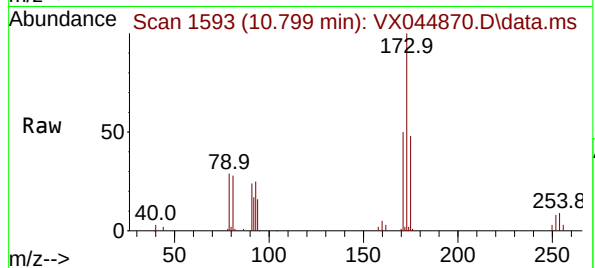
103 53.5 43.6 65.4





#71
Bromoform
Concen: 21.086 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

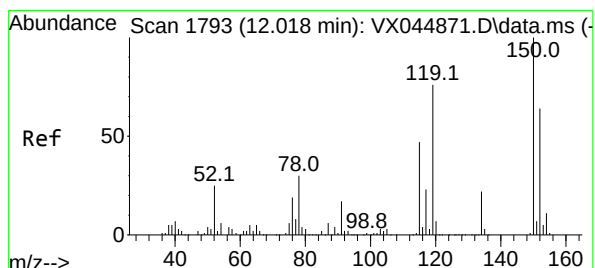
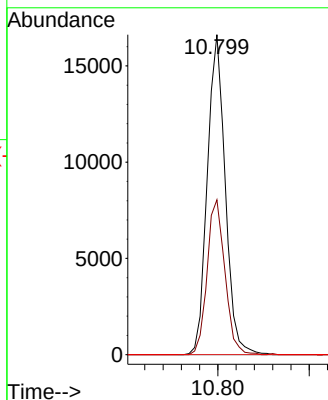
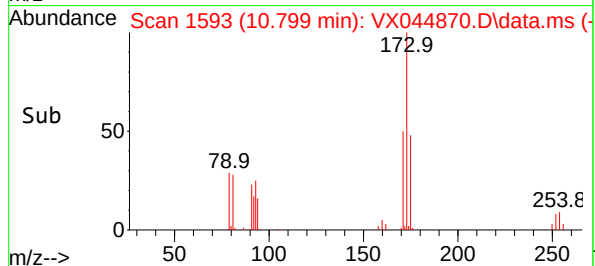
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



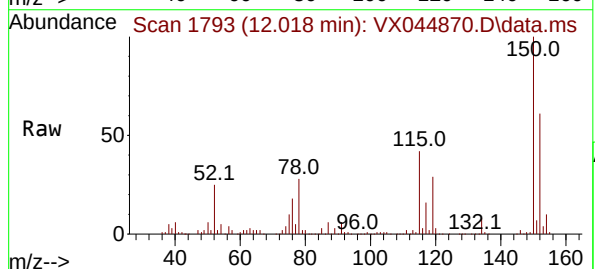
Tgt Ion:173 Resp: 22592
Ion Ratio Lower Upper
173 100
175 48.0 24.3 72.8
254 0.0 0.0 0.0

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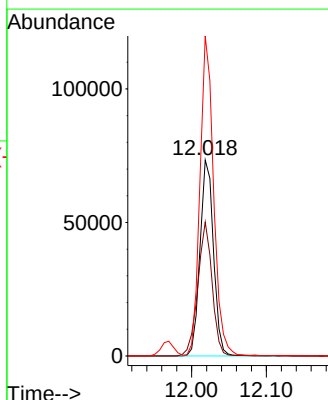
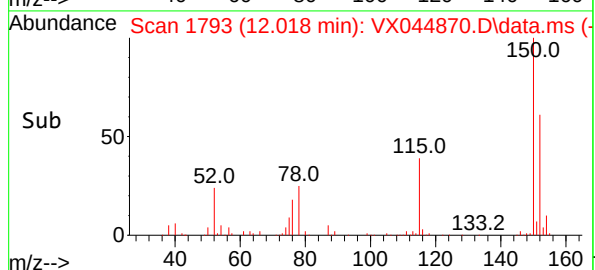
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

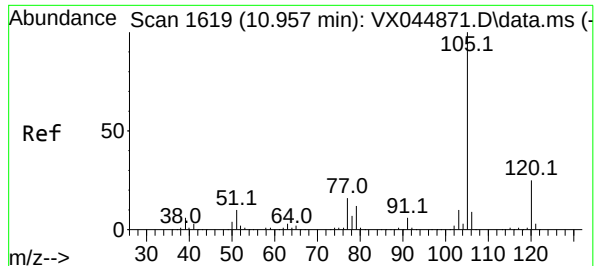


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11



Tgt Ion:152 Resp: 92093
Ion Ratio Lower Upper
152 100
115 72.4 43.4 130.1
150 164.8 0.0 350.4





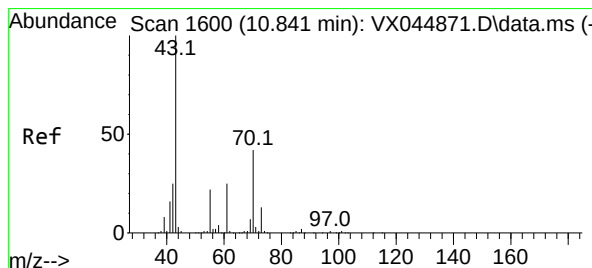
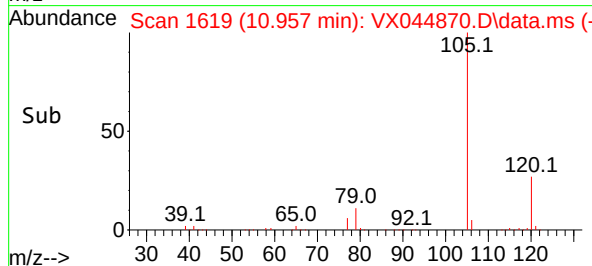
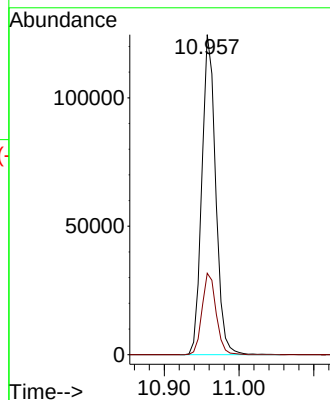
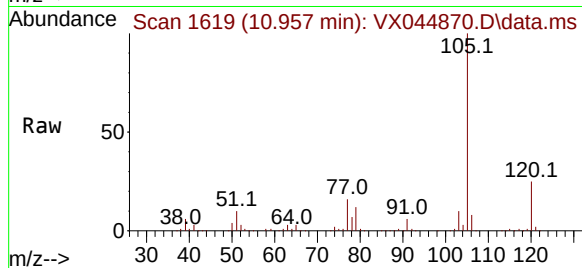
#73
Isopropylbenzene
Concen: 21.597 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:105 Resp: 16014
Ion Ratio Lower Upper
105 100
120 25.7 13.2 39.5

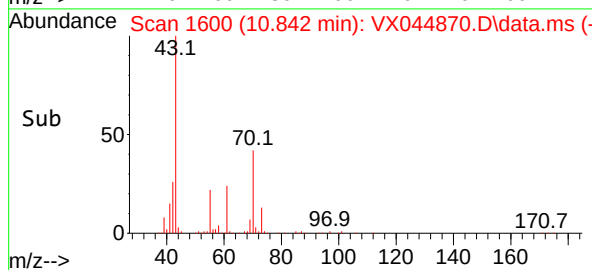
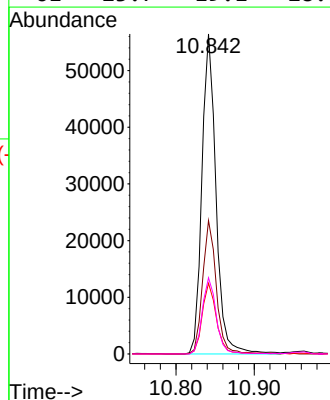
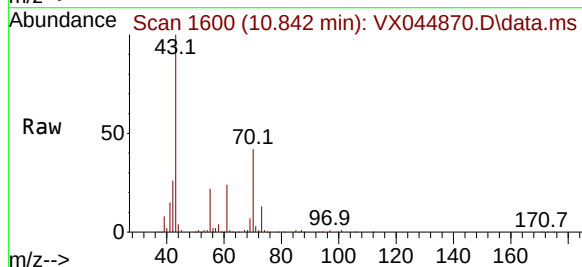
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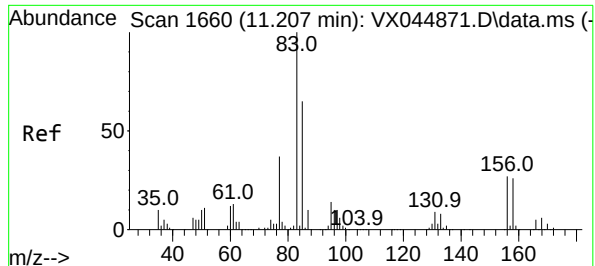
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#74
N-ethyl acetate
Concen: 21.023 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 70542
Ion Ratio Lower Upper
43 100
70 40.7 33.7 50.5
55 22.4 18.6 27.8
61 23.7 19.1 28.7





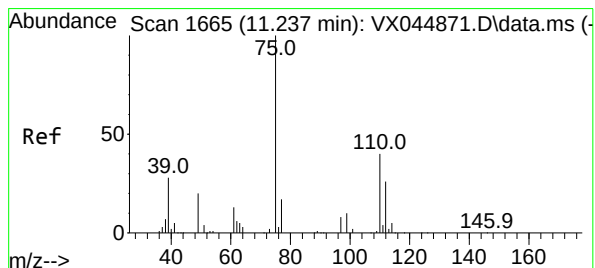
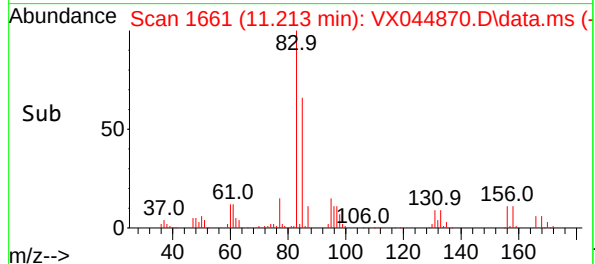
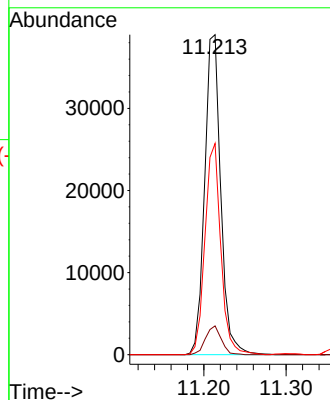
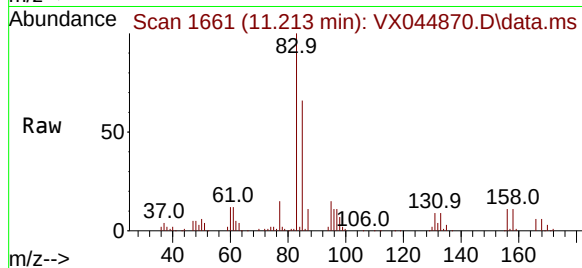
#75
1,1,2,2-Tetrachloroethane
Concen: 20.787 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 5296
Ion Ratio Lower Upper
83 100
131 8.8 4.5 13.5
85 65.1 32.3 96.8

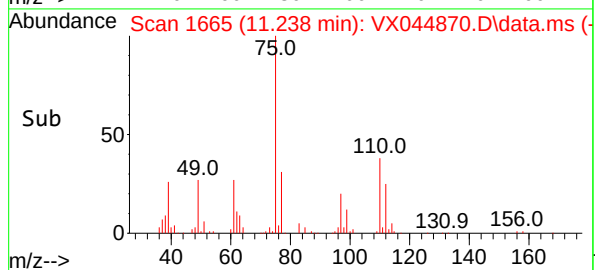
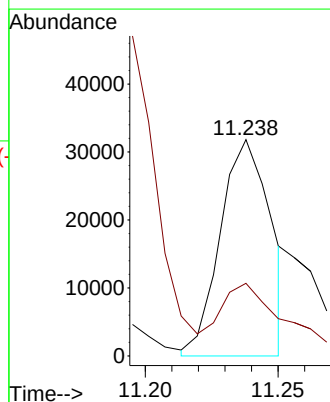
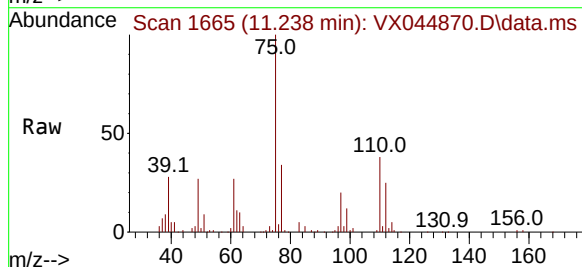
Manual Integrations
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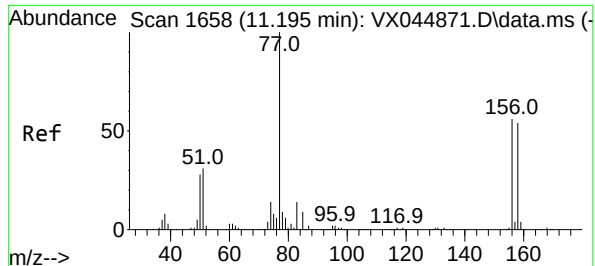
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#76
1,2,3-Trichloropropane
Concen: 20.589 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 75 Resp: 42040
Ion Ratio Lower Upper
75 100
77 43.7 21.9 65.7





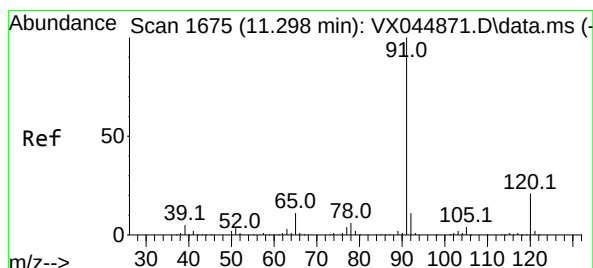
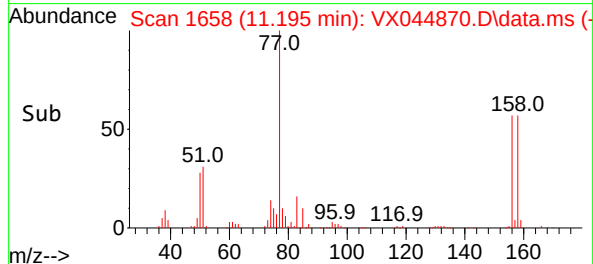
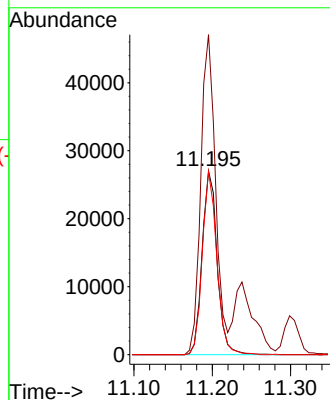
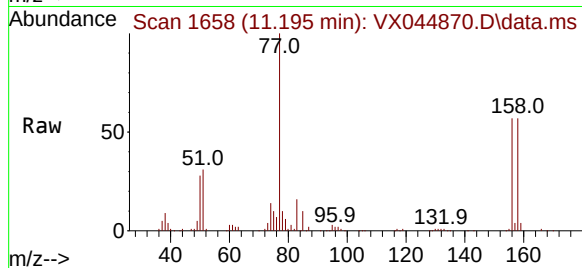
#77
Bromobenzene
Concen: 21.426 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 3602
Ion Ratio Lower Upper
156 100
77 171.1 88.4 265.3
158 96.8 48.4 145.2

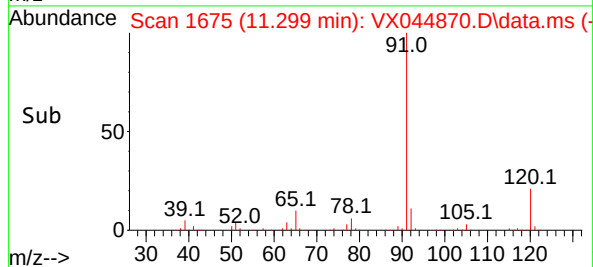
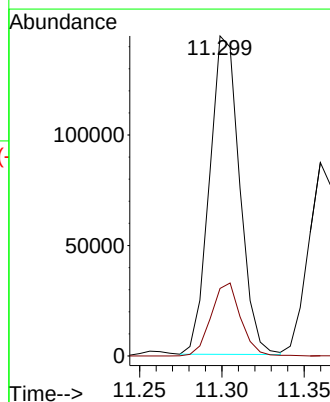
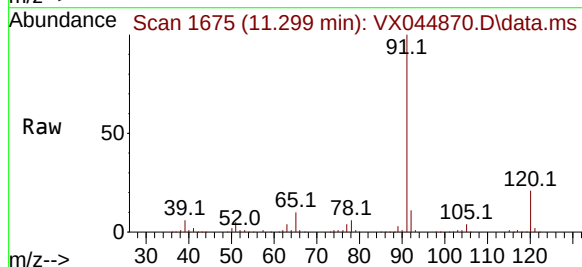
Manual Integrations
APPROVED

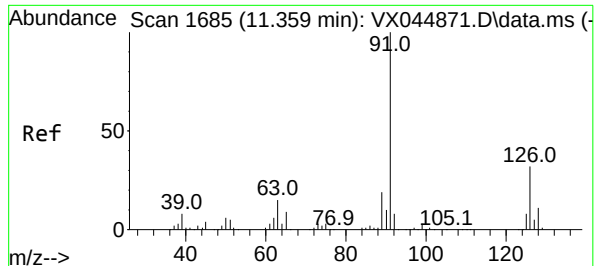
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#78
n-propylbenzene
Concen: 21.406 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 91 Resp: 183212
Ion Ratio Lower Upper
91 100
120 22.6 11.1 33.3





#79

2-Chlorotoluene

Concen: 21.250 ug/l

RT: 11.360 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 11178

Ion Ratio Lower Upper

91 100

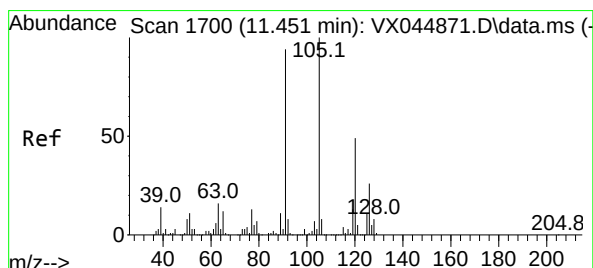
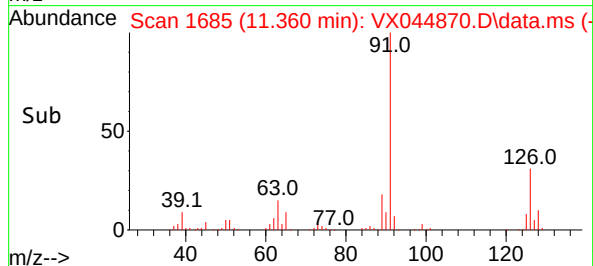
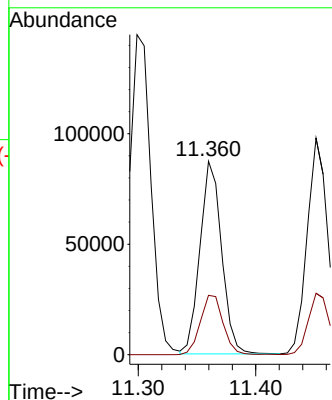
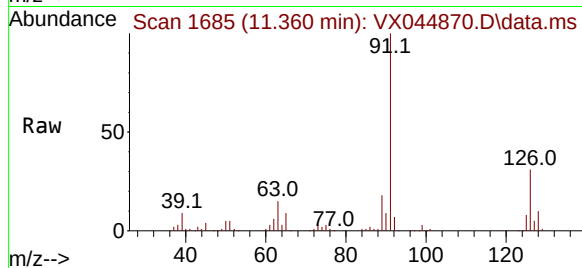
126 32.6 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#80

1,3,5-Trimethylbenzene

Concen: 21.691 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044870.D

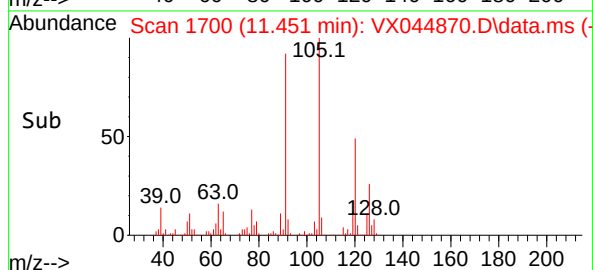
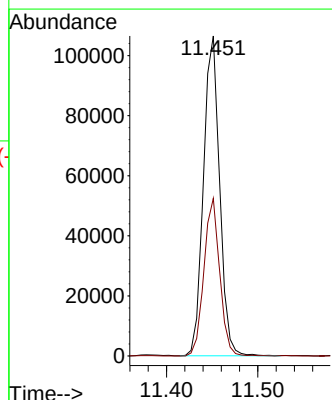
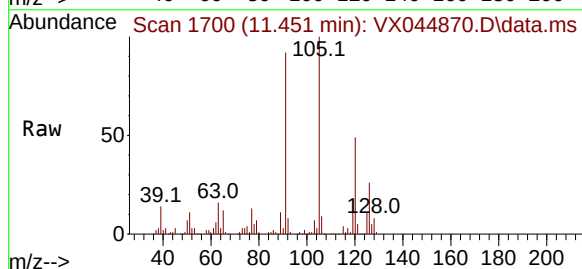
Acq: 10 Feb 2025 11:11

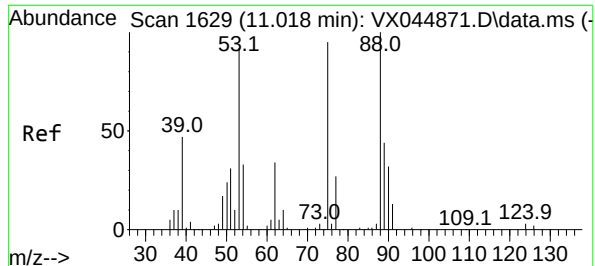
Tgt Ion:105 Resp: 130526

Ion Ratio Lower Upper

105 100

120 48.1 24.0 72.0





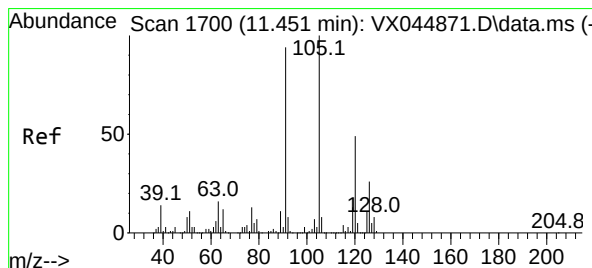
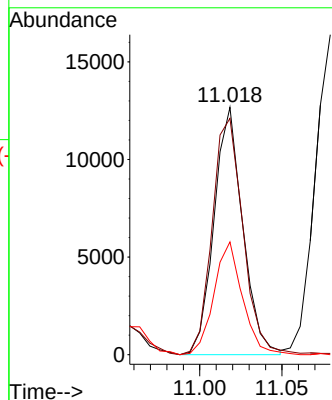
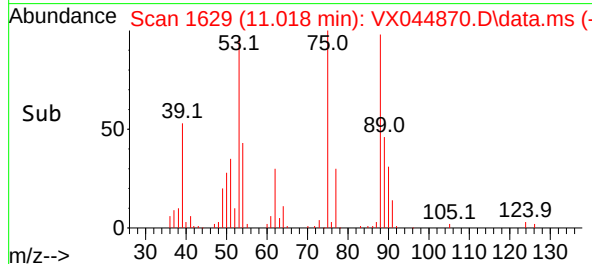
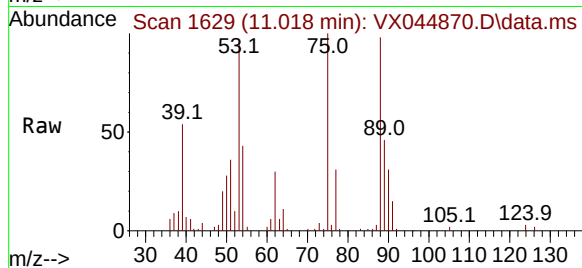
#81
trans-1,4-Dichloro-2-butene
Concen: 19.370 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 15379
Ion Ratio Lower Upper
75 100
53 103.3 78.0 117.0
89 45.3 36.6 54.8

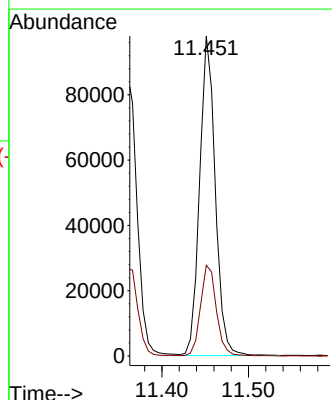
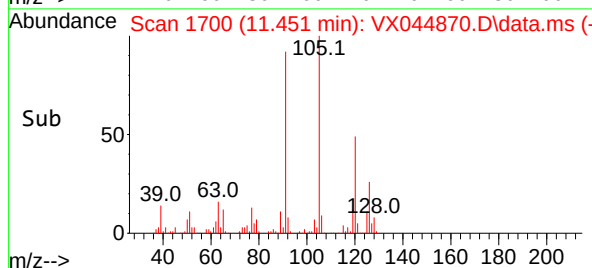
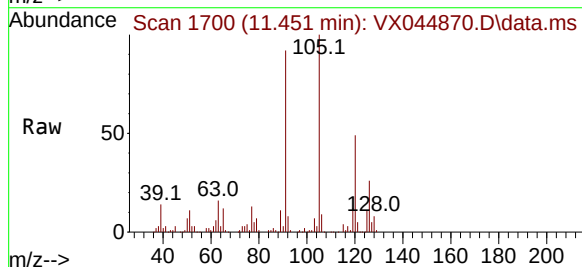
Manual Integrations
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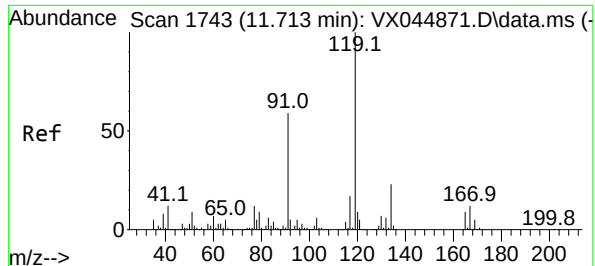
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#82
4-Chlorotoluene
Concen: 21.016 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 91 Resp: 122303
Ion Ratio Lower Upper
91 100
126 28.6 14.2 42.6





#83

tert-Butylbenzene

Concen: 21.414 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:119 Resp: 130358

Ion Ratio Lower Upper

119 100

91 58.6 29.1 87.4

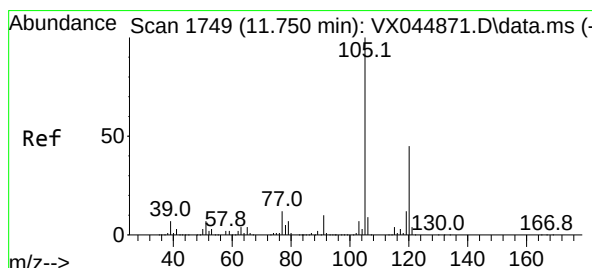
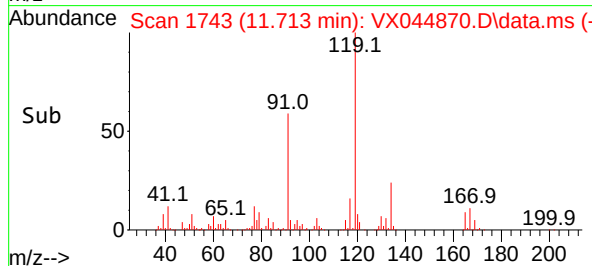
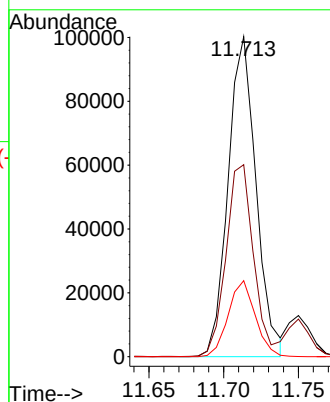
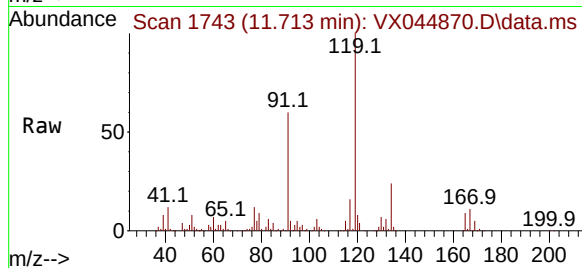
134 23.1 11.5 34.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#84

1,2,4-Trimethylbenzene

Concen: 21.924 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044870.D

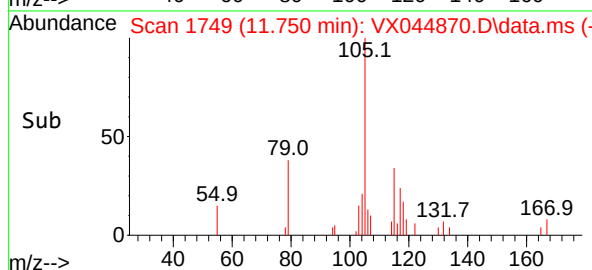
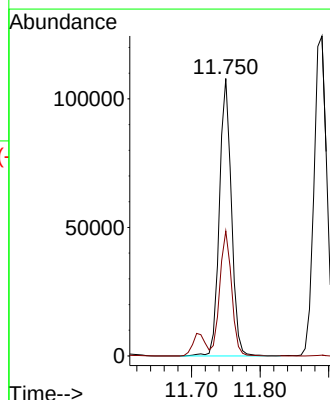
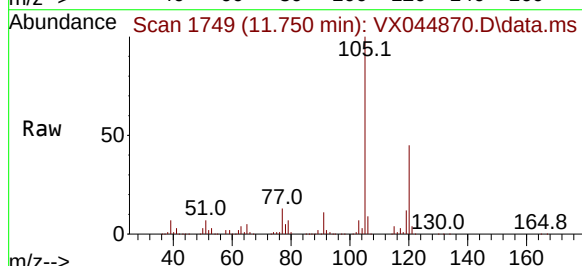
Acq: 10 Feb 2025 11:11

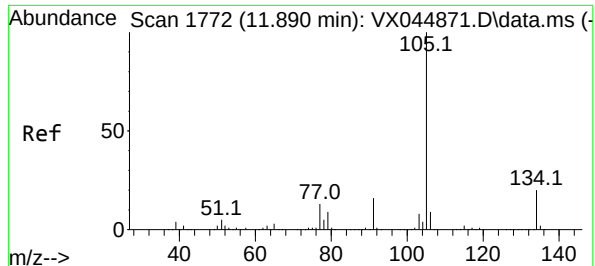
Tgt Ion:105 Resp: 130211

Ion Ratio Lower Upper

105 100

120 44.7 22.4 67.0





#85

sec-Butylbenzene

Concen: 21.607 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion:105 Resp: 16287

Ion Ratio Lower Upper

105 100

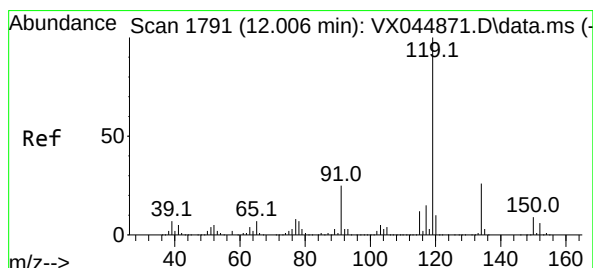
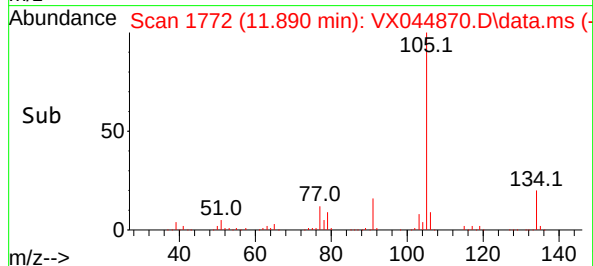
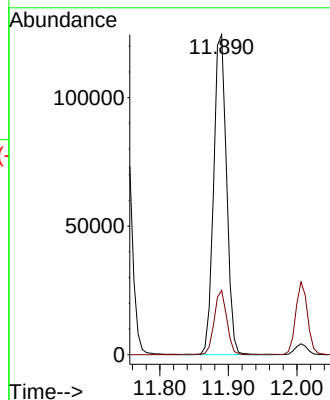
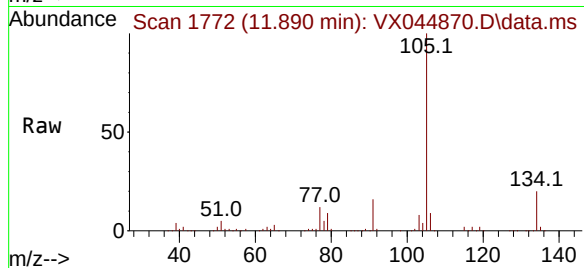
134 19.5 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#86

p-Isopropyltoluene

Concen: 21.551 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

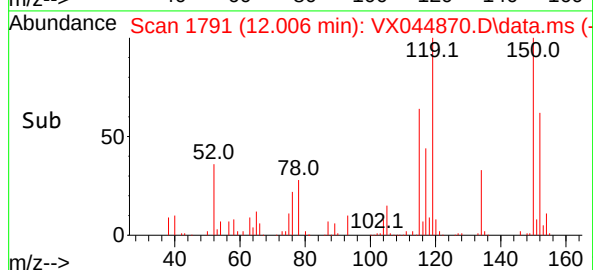
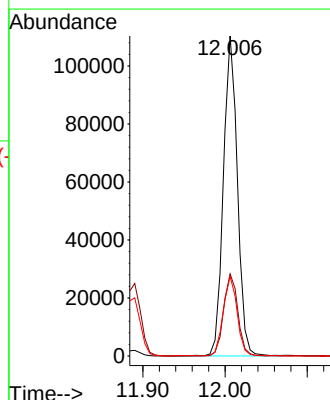
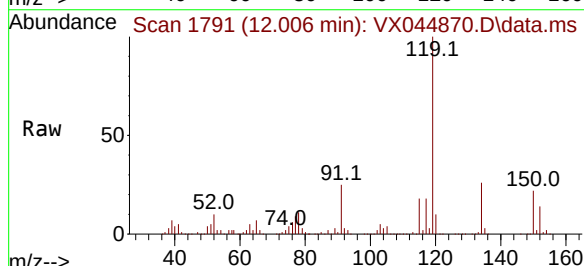
Tgt Ion:119 Resp: 130643

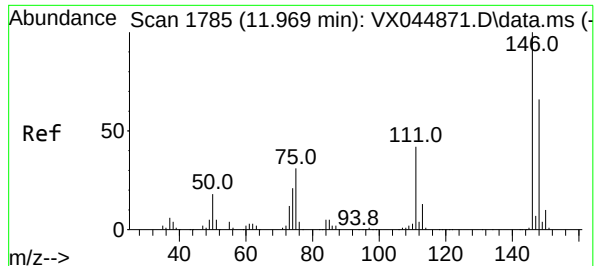
Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

91 24.7 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 20.747 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:146 Resp: 6414

Ion Ratio Lower Upper

146 100

111 42.4 21.2 63.6

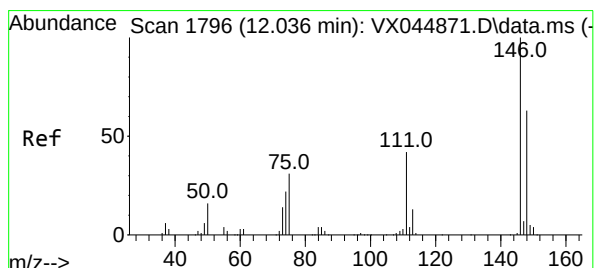
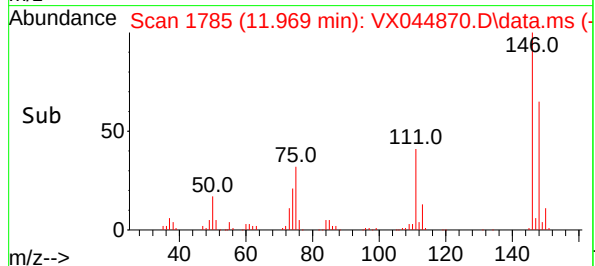
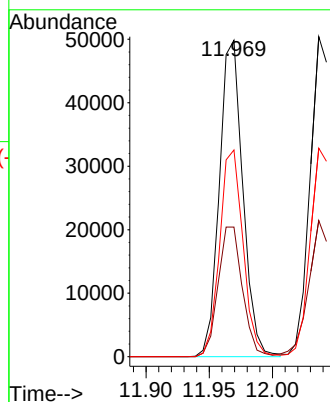
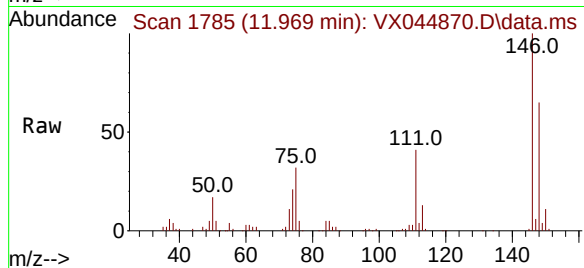
148 65.2 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#88

1,4-Dichlorobenzene

Concen: 20.758 ug/l

RT: 12.037 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

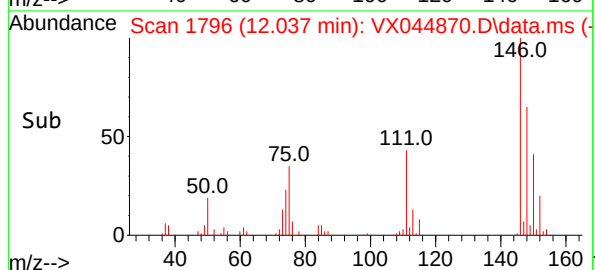
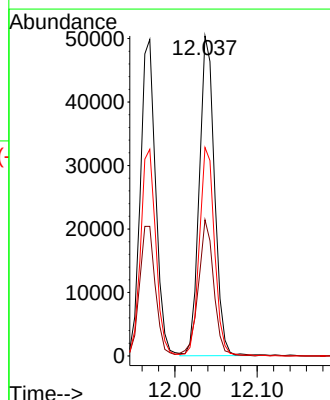
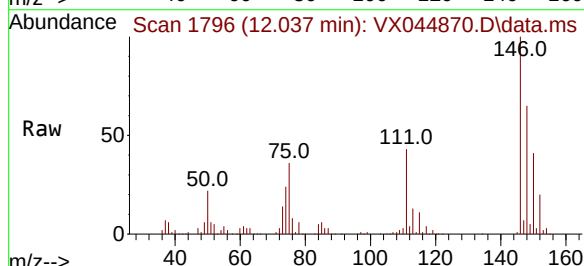
Tgt Ion:146 Resp: 64889

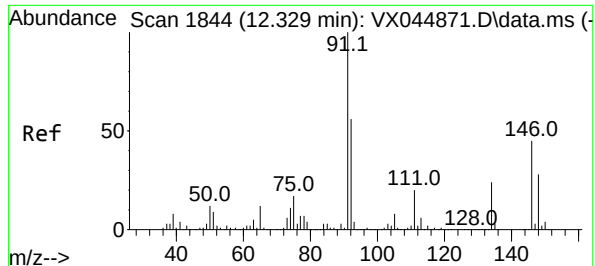
Ion Ratio Lower Upper

146 100

111 42.9 20.4 61.3

148 65.3 32.0 96.0





#89

n-Butylbenzene

Concen: 21.202 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 11370

Ion Ratio Lower Upper

91 100

92 54.3 27.2 81.6

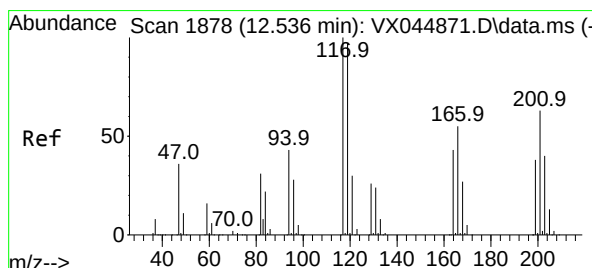
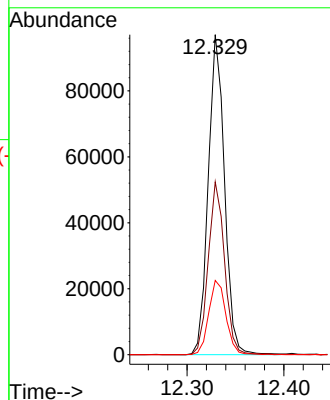
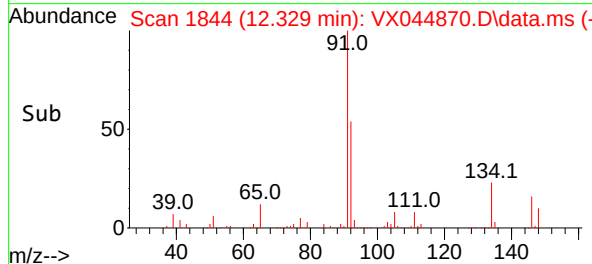
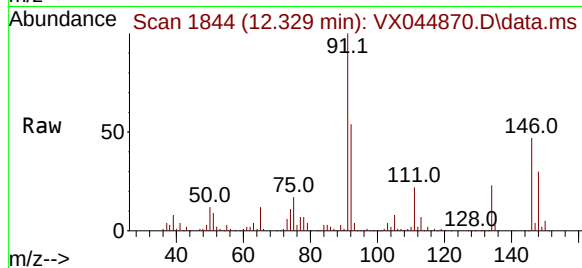
134 24.7 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#90

Hexachloroethane

Concen: 20.398 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044870.D

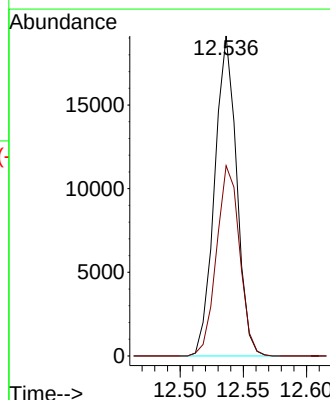
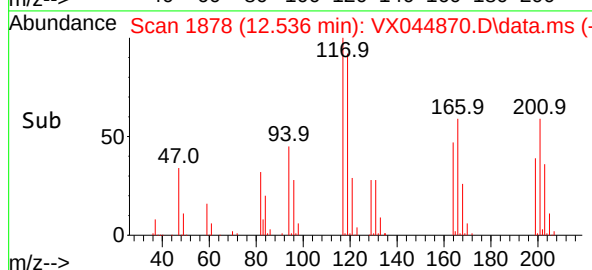
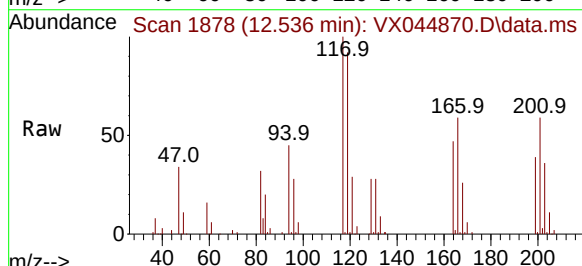
Acq: 10 Feb 2025 11:11

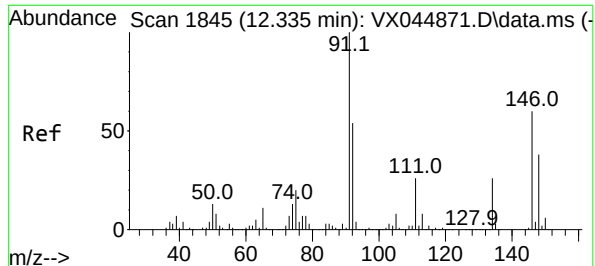
Tgt Ion:117 Resp: 23153

Ion Ratio Lower Upper

117 100

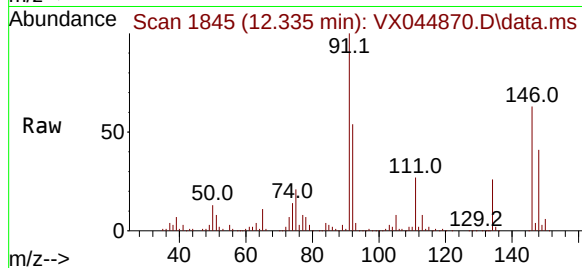
201 62.4 32.5 97.5





#91
1,2-Dichlorobenzene
Concen: 21.373 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

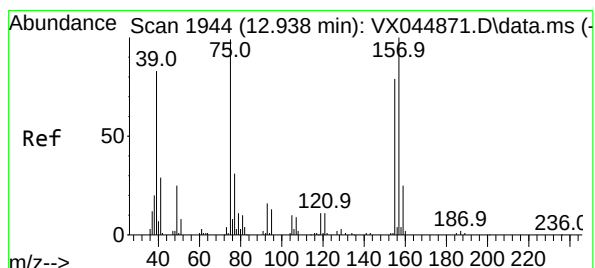
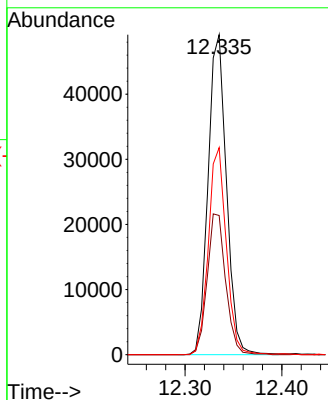
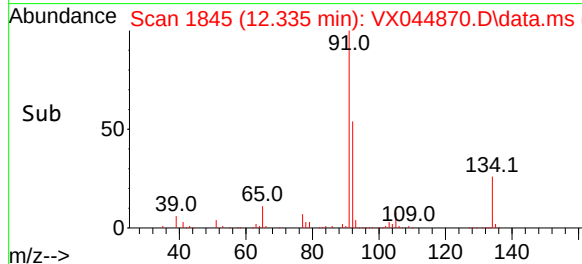
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



Tgt Ion:146 Resp: 64940
Ion Ratio Lower Upper
146 100
111 44.4 21.8 65.4
148 63.3 31.9 95.9

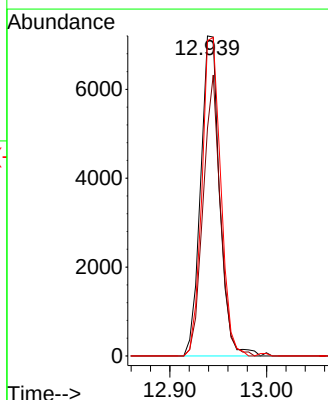
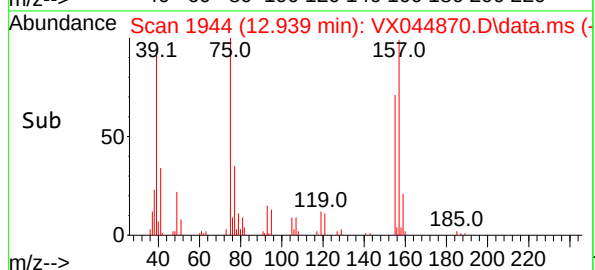
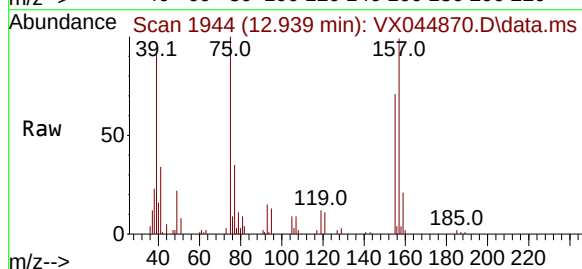
Manual Integrations
APPROVED

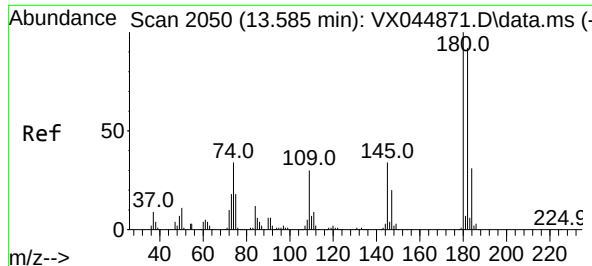
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 21.230 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 75 Resp: 9873
Ion Ratio Lower Upper
75 100
155 79.8 40.5 121.4
157 98.3 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 20.292 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

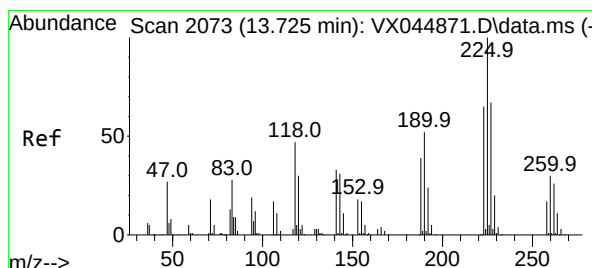
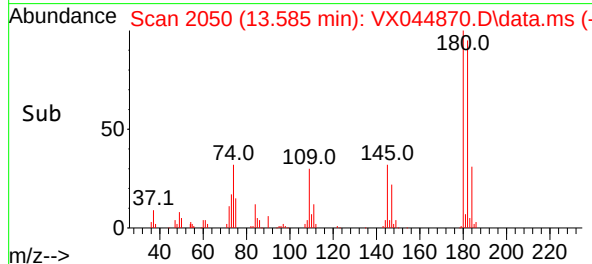
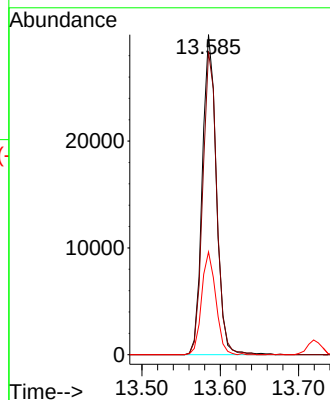
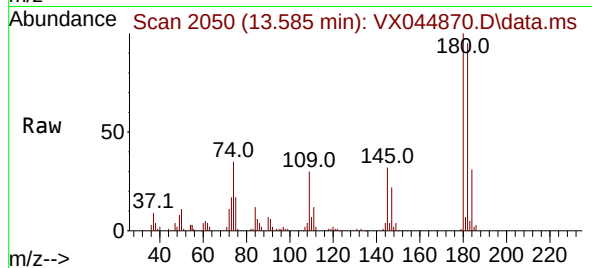
Tgt Ion:	180	Resp:	37308
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.6	142.8
145	32.4	16.4	49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#94

Hexachlorobutadiene

Concen: 20.979 ug/l

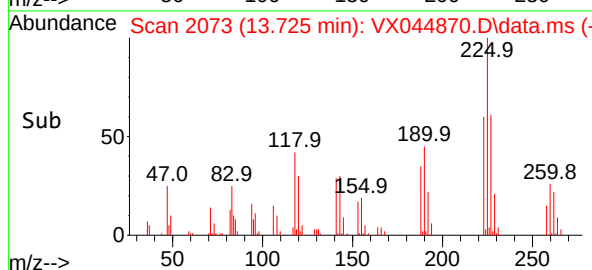
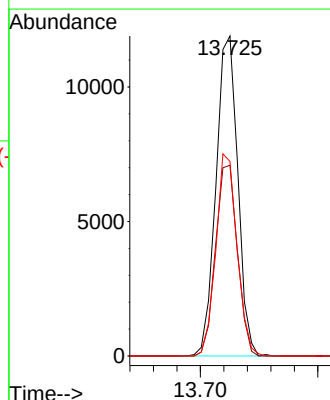
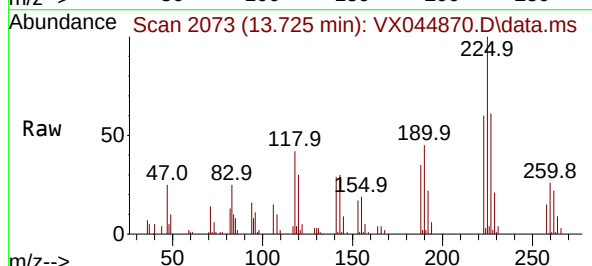
RT: 13.725 min Scan# 2073

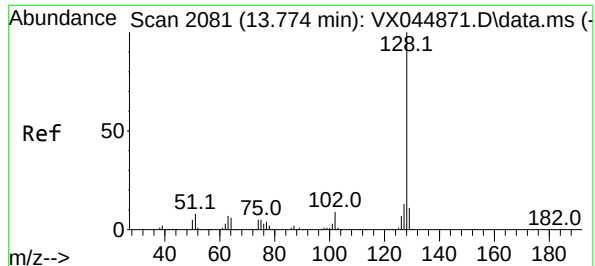
Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Tgt Ion:	225	Resp:	15312
Ion Ratio	Lower	Upper	
225	100		
223	59.9	31.4	94.2
227	61.4	32.3	96.8





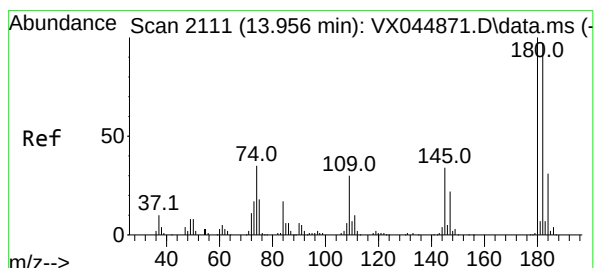
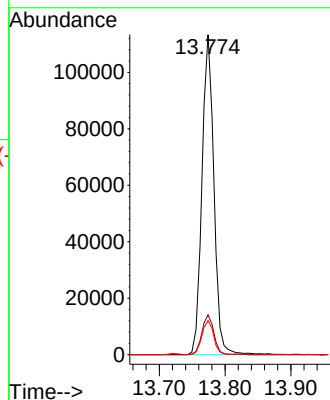
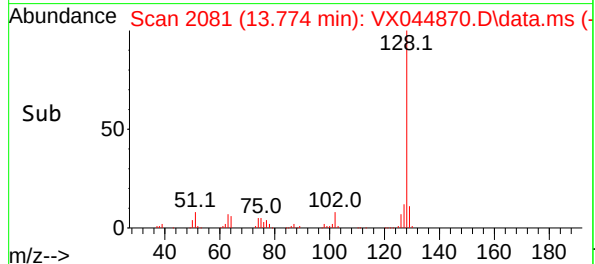
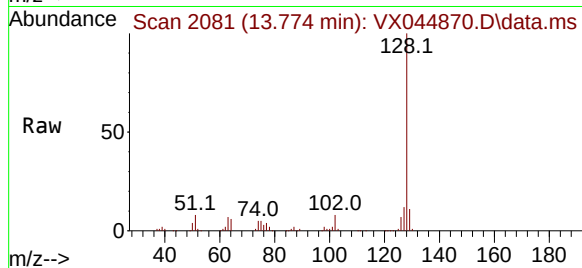
#95
Naphthalene
Concen: 21.502 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 142902
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.6 8.9 13.3

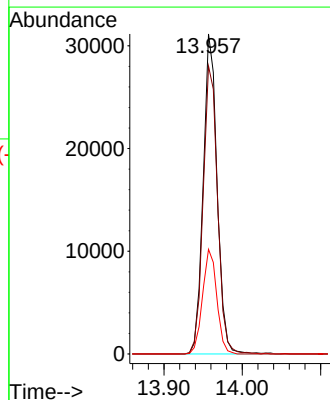
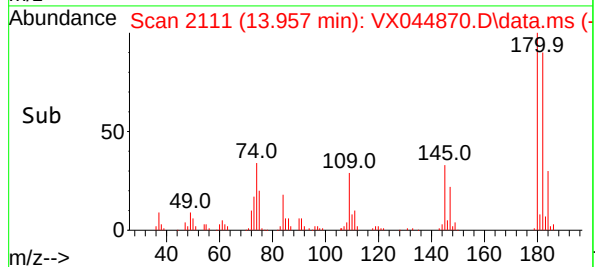
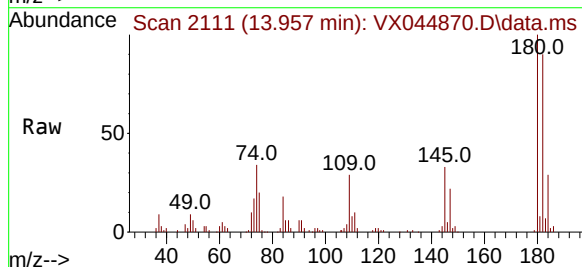
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.722 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:180 Resp: 38389
Ion Ratio Lower Upper
180 100
182 93.2 47.9 143.6
145 33.5 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044871.D
 Acq On : 10 Feb 2025 11:34
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	127984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	233736	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	204751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92648	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	92593	49.424	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.840%
35) Dibromofluoromethane	5.379	113	74906	49.291	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.580%
50) Toluene-d8	8.646	98	289575	50.392	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.780%
62) 4-Bromofluorobenzene	11.079	95	100798	52.031	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.060%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	89581	49.905	ug/l	100
3) Chloromethane	1.300	50	107836	49.359	ug/l	100
4) Vinyl Chloride	1.373	62	103354	48.832	ug/l	100
5) Bromomethane	1.593	94	31886	50.345	ug/l	100
6) Chloroethane	1.666	64	43657	55.583	ug/l	100
7) Trichlorofluoromethane	1.873	101	131729	49.215	ug/l	100
8) Diethyl Ether	2.129	74	48023	49.473	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.318	101	80068	49.511	ug/l	100
10) Methyl Iodide	2.446	142	108383	51.712	ug/l	100
11) Tert butyl alcohol	2.983	59	87254	251.049	ug/l	100
12) 1,1-Dichloroethene	2.312	96	80672	48.904	ug/l	100
13) Acrolein	2.233	56	90518	252.426	ug/l	100
14) Allyl chloride	2.660	41	148044	49.658	ug/l	100
15) Acrylonitrile	3.062	53	242268	261.074	ug/l	100
16) Acetone	2.379	43	187739	249.274	ug/l	100
17) Carbon Disulfide	2.501	76	225511	49.853	ug/l	100
18) Methyl Acetate	2.702	43	121039	50.928	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	261852	49.890	ug/l	100
20) Methylene Chloride	2.782	84	90038	48.808	ug/l	100
21) trans-1,2-Dichloroethene	3.086	96	81950	50.475	ug/l	100
22) Diisopropyl ether	3.757	45	287347	50.946	ug/l	100
23) Vinyl Acetate	3.714	43	1190152	258.830	ug/l	100
24) 1,1-Dichloroethane	3.605	63	157003	49.749	ug/l	100
25) 2-Butanone	4.556	43	323510	264.528	ug/l	100
26) 2,2-Dichloropropane	4.470	77	121901	48.707	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	96965	49.721	ug/l	100
28) Bromochloromethane	4.891	49	74707	49.258	ug/l	100
29) Tetrahydrofuran	5.001	42	210414	259.105	ug/l	100
30) Chloroform	5.086	83	149581	48.874	ug/l	100
31) Cyclohexane	5.464	56	143500	49.322	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	128561	49.523	ug/l	100
36) 1,1-Dichloropropene	5.690	75	108206	49.353	ug/l	100
37) Ethyl Acetate	4.708	43	123238	50.535	ug/l	100
38) Carbon Tetrachloride	5.671	117	105873	49.277	ug/l	100
39) Methylcyclohexane	7.372	83	145338	51.274	ug/l	100
40) Benzene	6.031	78	343557	50.182	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044871.D
 Acq On : 10 Feb 2025 11:34
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Feb 11 02:01:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	70572	54.065	ug/l	100
42) 1,2-Dichloroethane	6.080	62	110347	50.573	ug/l	100
43) Isopropyl Acetate	6.336	43	204703	51.981	ug/l	100
44) Trichloroethene	7.122	130	78274	50.020	ug/l	100
45) 1,2-Dichloropropane	7.427	63	85733	50.335	ug/l	100
46) Dibromomethane	7.573	93	59625	50.479	ug/l	100
47) Bromodichloromethane	7.817	83	116892	51.108	ug/l	100
48) Methyl methacrylate	7.689	41	98519	53.057	ug/l	100
49) 1,4-Dioxane	7.659	88	42094	1056.618	ug/l	100
51) 4-Methyl-2-Pentanone	8.573	43	647283	270.364	ug/l	100
52) Toluene	8.714	92	210007	51.507	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	120125	51.902	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	134763	52.223	ug/l	100
55) 1,1,2-Trichloroethane	9.146	97	79741	50.876	ug/l	100
56) Ethyl methacrylate	9.116	69	134975	53.319	ug/l	100
57) 1,3-Dichloropropane	9.305	76	141335	51.537	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	336412	270.652	ug/l	100
59) 2-Hexanone	9.427	43	472301	273.800	ug/l	100
60) Dibromochloromethane	9.518	129	87240	52.045	ug/l	100
61) 1,2-Dibromoethane	9.604	107	81915	51.564	ug/l	100
64) Tetrachloroethene	9.268	164	63537	49.206	ug/l	100
65) Chlorobenzene	10.079	112	224306	51.005	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	72478	51.203	ug/l	100
67) Ethyl Benzene	10.189	91	396269	51.061	ug/l	100
68) m/p-Xylenes	10.299	106	296507	103.573	ug/l	100
69) o-Xylene	10.640	106	144802	50.409	ug/l	100
70) Styrene	10.652	104	245518	53.051	ug/l	100
71) Bromoform	10.799	173	57417	54.352	ug/l #	100
73) Isopropylbenzene	10.957	105	374776	50.239	ug/l	100
74) N-amyl acetate	10.841	43	176174	52.189	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	126542	49.364	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	102508m	49.903	ug/l	100
77) Bromobenzene	11.195	156	84448	49.931	ug/l	100
78) n-propylbenzene	11.298	91	437572	50.818	ug/l	100
79) 2-Chlorotoluene	11.359	91	263269	49.749	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	307465	50.789	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	40487	50.701	ug/l	100
82) 4-Chlorotoluene	11.451	91	295844	50.531	ug/l	100
83) tert-Butylbenzene	11.713	119	306830	50.102	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	311205	52.085	ug/l	100
85) sec-Butylbenzene	11.890	105	384155	50.657	ug/l	100
86) p-Isopropyltoluene	12.006	119	315226	51.689	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	155575	50.021	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	156162	49.657	ug/l	100
89) n-Butylbenzene	12.329	91	287649	53.315	ug/l	100
90) Hexachloroethane	12.536	117	56951	49.874	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	154364	50.500	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	23924	51.135	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	93863	50.747	ug/l	100
94) Hexachlorobutadiene	13.725	225	35481	48.321	ug/l	100
95) Naphthalene	13.774	128	347645	51.995	ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	95510	51.245	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

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

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

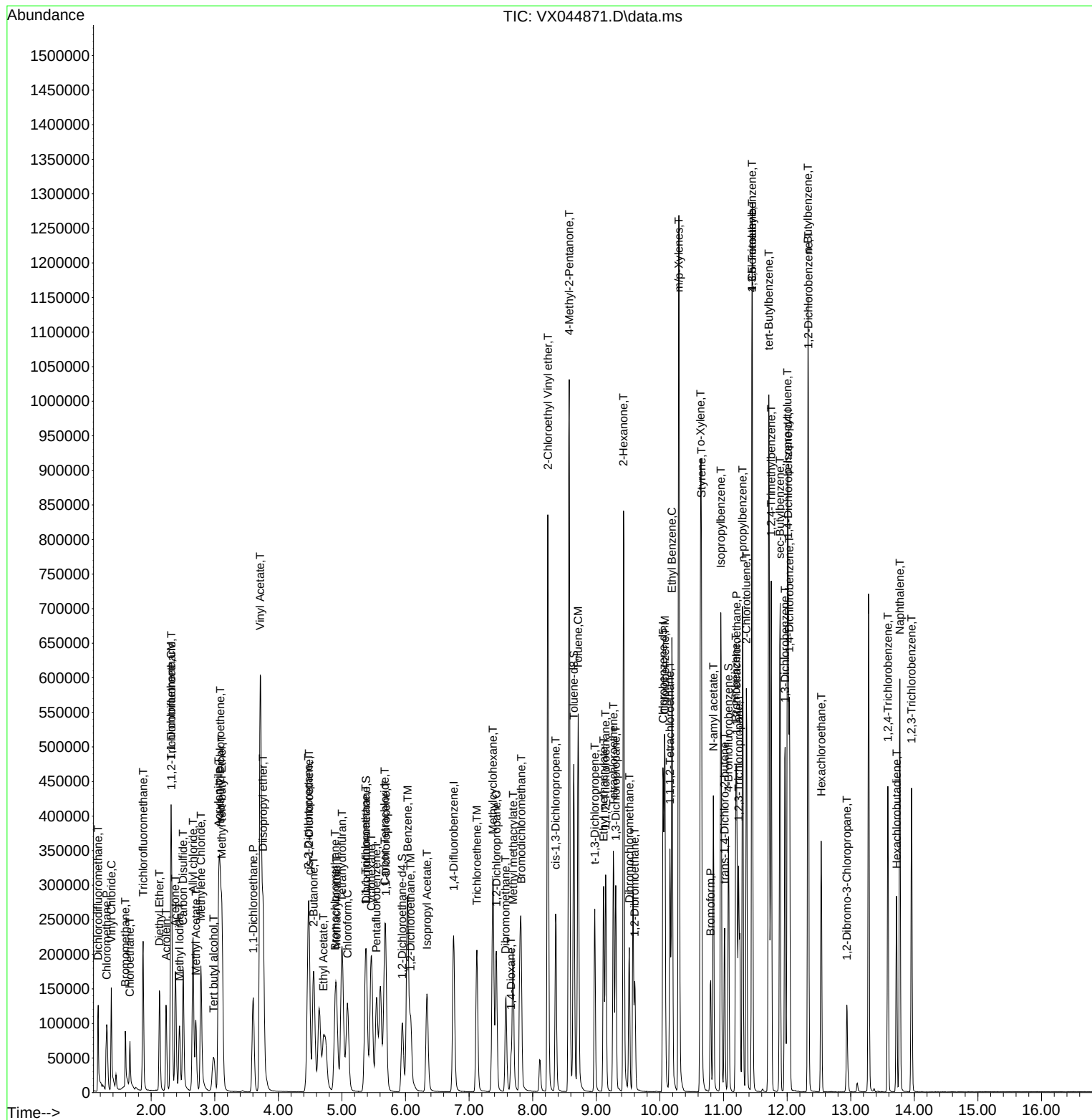
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044871.D
 Acq On : 10 Feb 2025 11:34
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

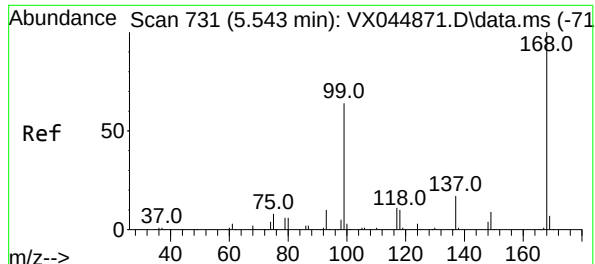
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Feb 11 02:01:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025





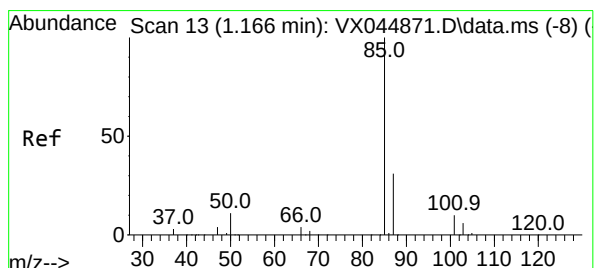
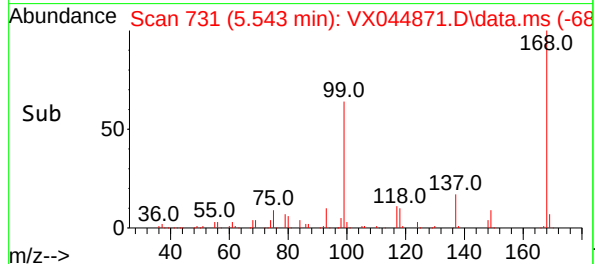
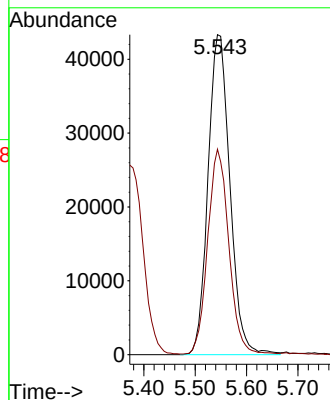
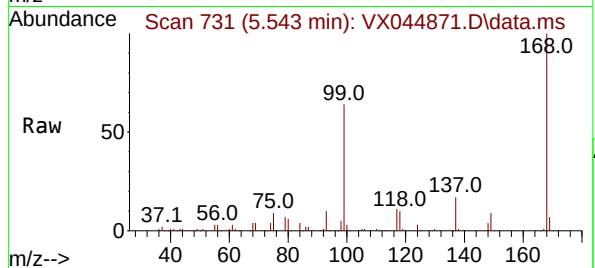
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 731
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 127984
Ion Ratio Lower Upper
168 100
99 64.0 51.2 76.8

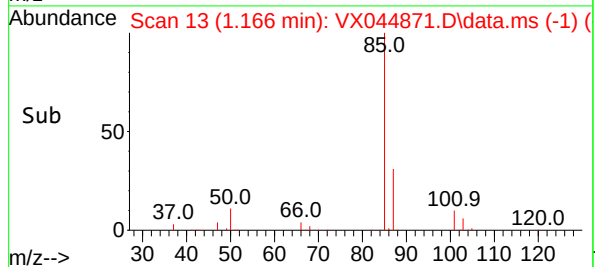
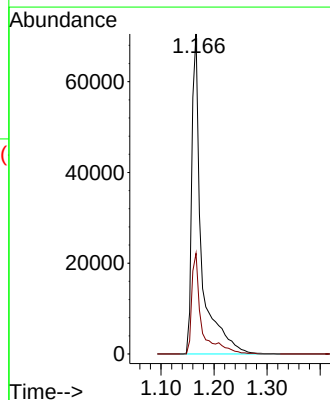
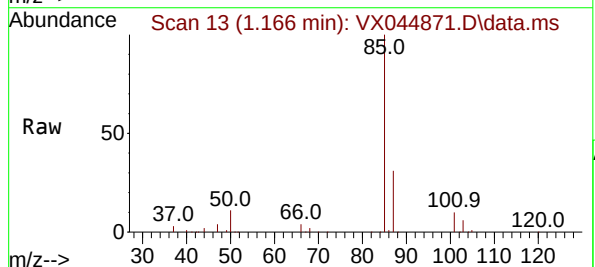
Manual Integrations
APPROVED

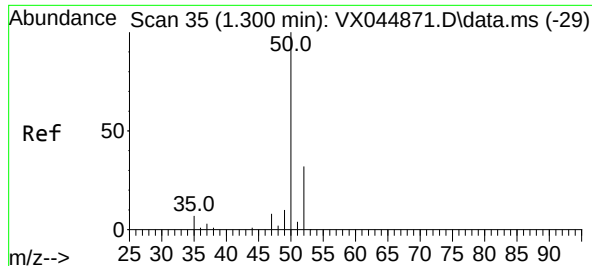
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#2
Dichlorodifluoromethane
Concen: 49.905 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 85 Resp: 89581
Ion Ratio Lower Upper
85 100
87 31.5 15.8 47.3





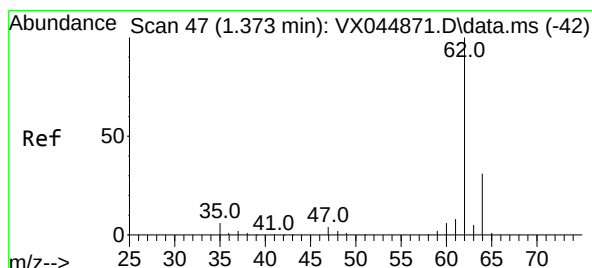
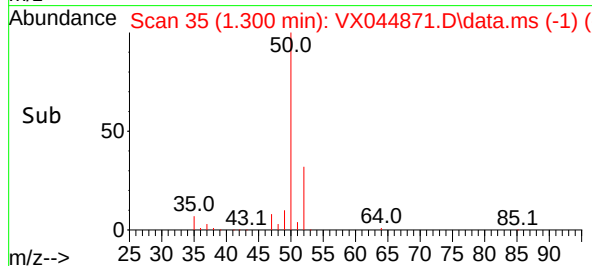
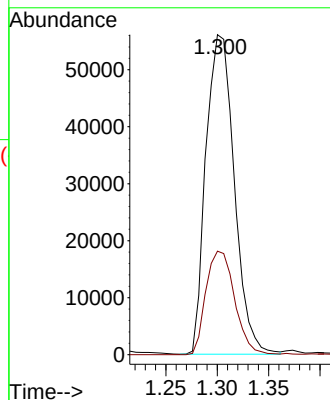
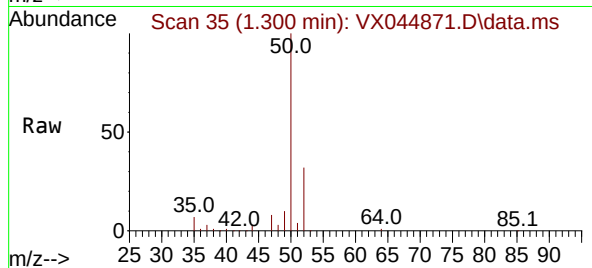
#3
Chloromethane
Concen: 49.359 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 107836
Ion Ratio Lower Upper
50 100
52 32.4 25.9 38.9

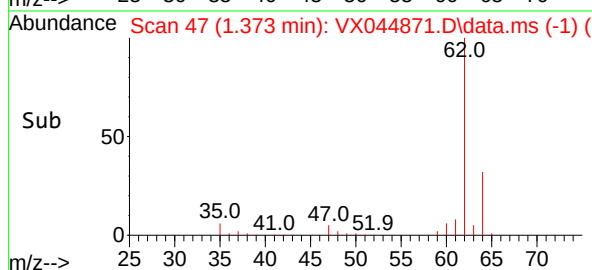
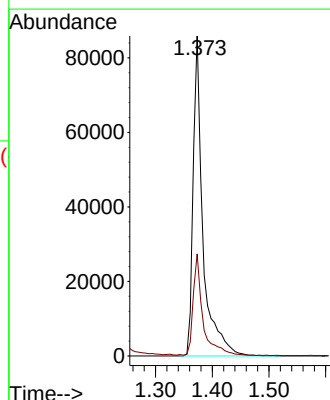
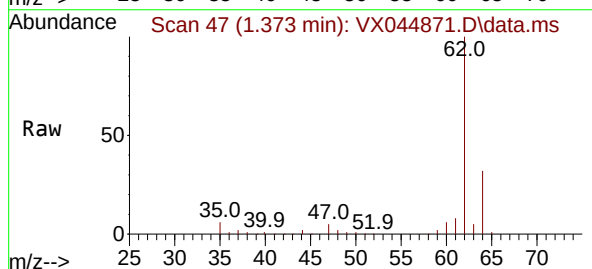
Manual Integrations
APPROVED

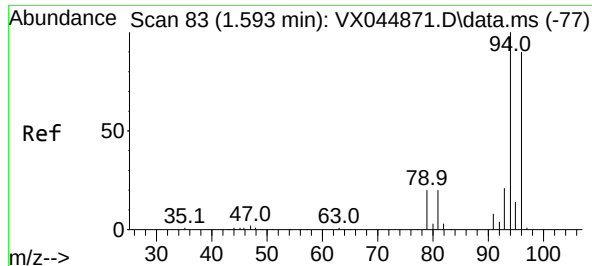
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#4
Vinyl Chloride
Concen: 48.832 ug/l
RT: 1.373 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 62 Resp: 103354
Ion Ratio Lower Upper
62 100
64 31.7 25.4 38.0





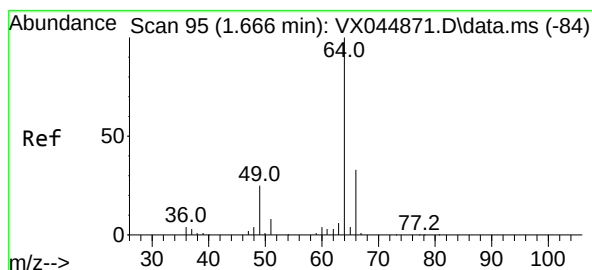
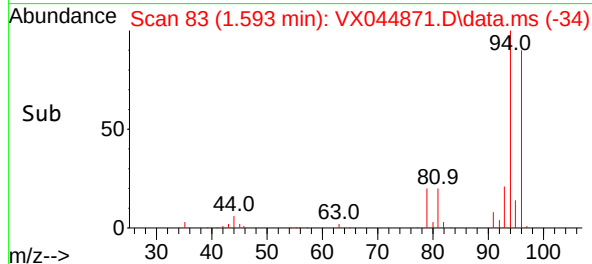
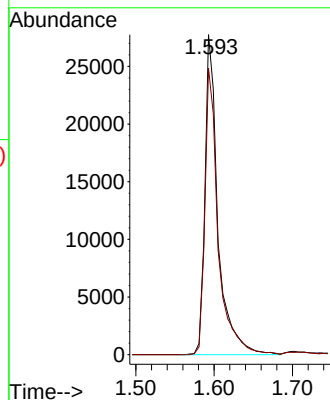
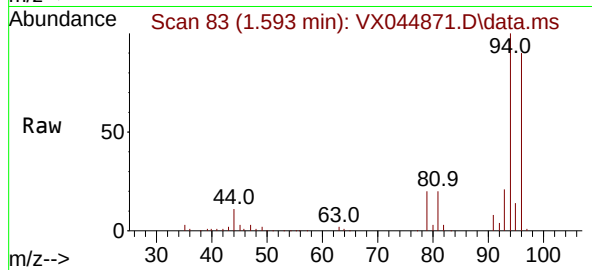
#5
Bromomethane
Concen: 50.345 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 31880
Ion Ratio Lower Upper
94 100
96 89.5 71.6 107.4

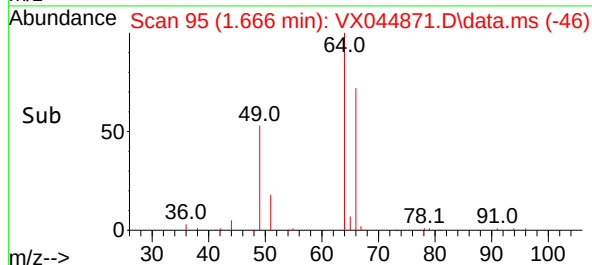
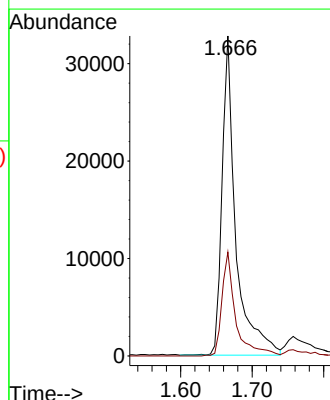
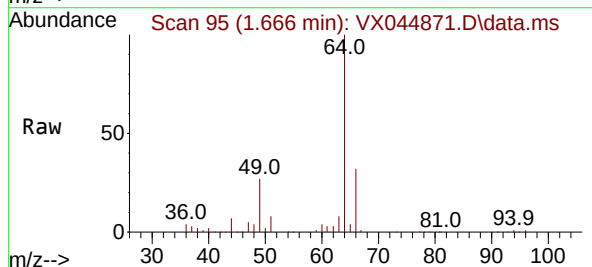
Manual Integrations
APPROVED

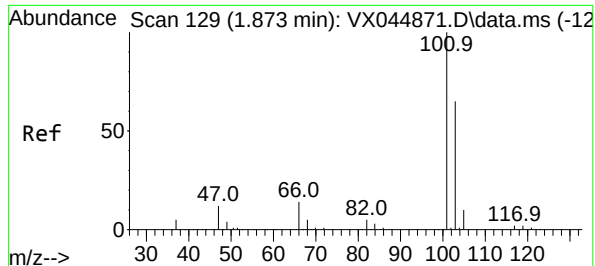
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#6
Chloroethane
Concen: 55.583 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

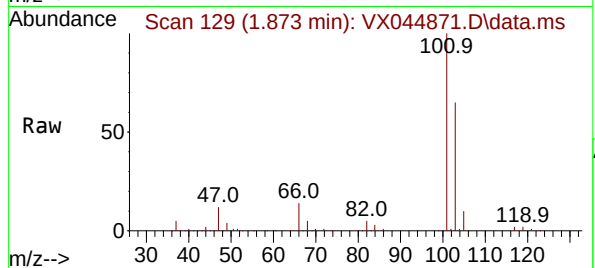
Tgt Ion: 64 Resp: 43657
Ion Ratio Lower Upper
64 100
66 32.5 25.9 38.9





#7
Trichlorofluoromethane
Concen: 49.215 ug/l
RT: 1.873 min Scan# 129
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

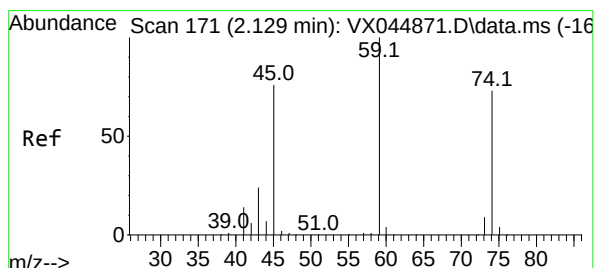
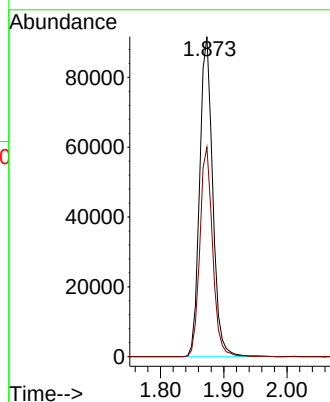
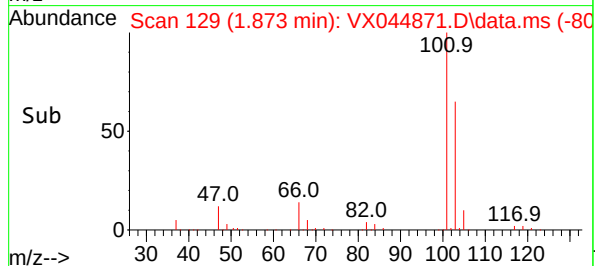
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



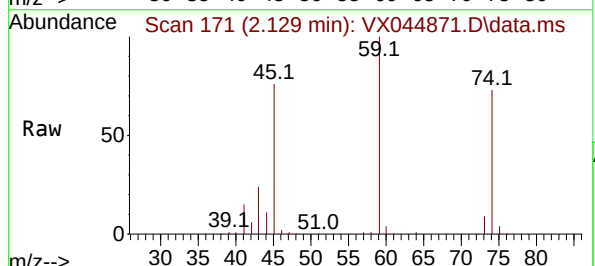
Tgt Ion:101 Resp: 131729
Ion Ratio Lower Upper
101 100
103 65.5 52.4 78.6

Manual Integrations
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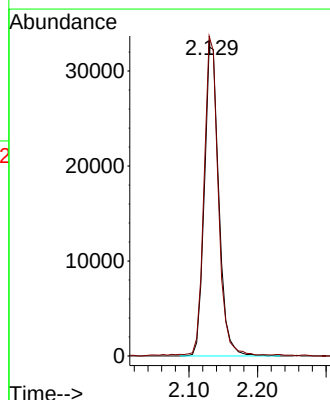
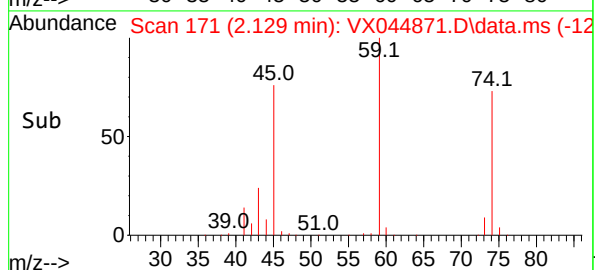
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

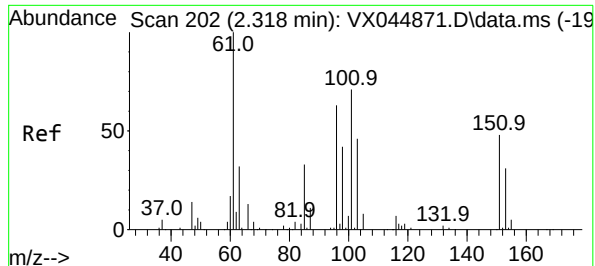


#8
Diethyl Ether
Concen: 49.473 ug/l
RT: 2.129 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34



Tgt Ion: 74 Resp: 48023
Ion Ratio Lower Upper
74 100
45 102.3 51.1 153.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.511 ug/l

RT: 2.318 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:101 Resp: 8006

Ion Ratio Lower Upper

101 100

85 44.6 35.7 53.5

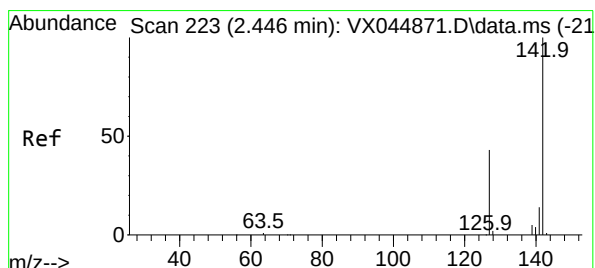
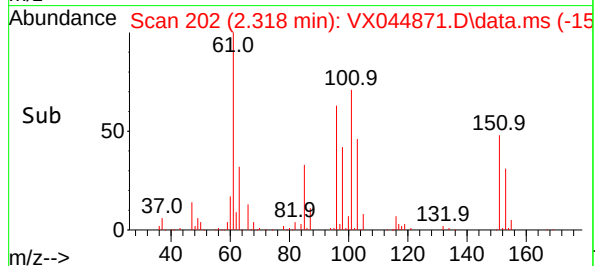
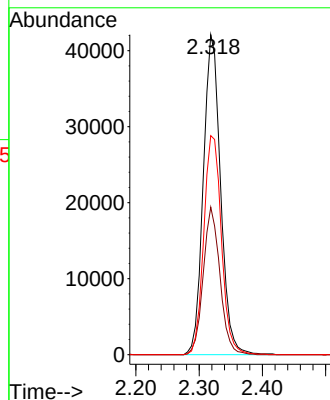
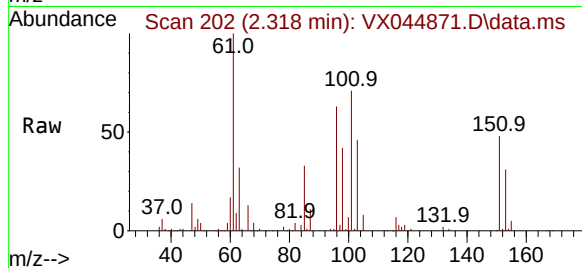
151 70.0 56.0 84.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#10

Methyl Iodide

Concen: 51.712 ug/l

RT: 2.446 min Scan# 223

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

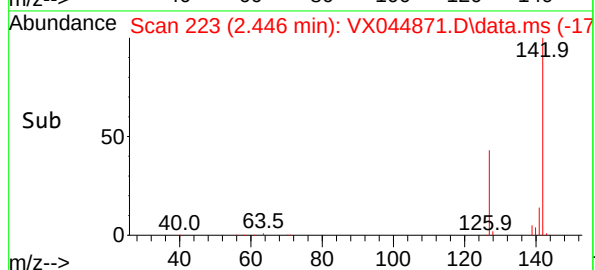
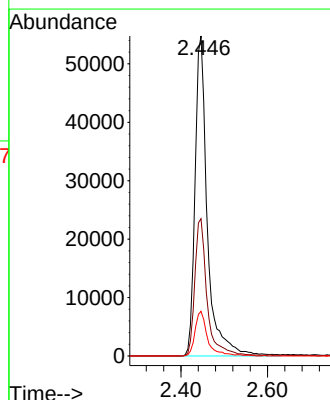
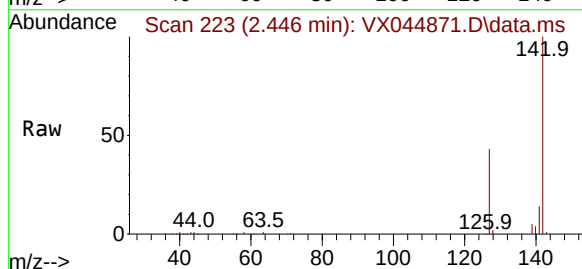
Tgt Ion:142 Resp: 108383

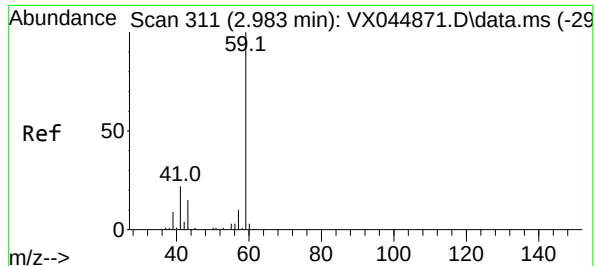
Ion Ratio Lower Upper

142 100

127 42.9 34.3 51.5

141 14.3 11.4 17.2





#11

Tert butyl alcohol

Concen: 251.049 ug/l

RT: 2.983 min Scan# 311

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 87254

Ion Ratio Lower Upper

59 100

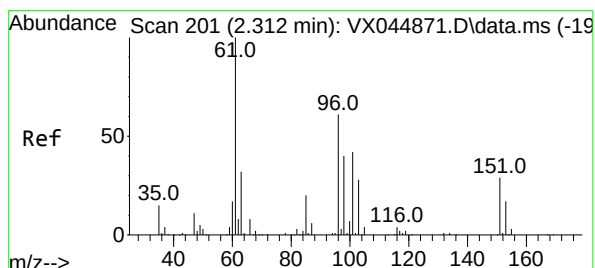
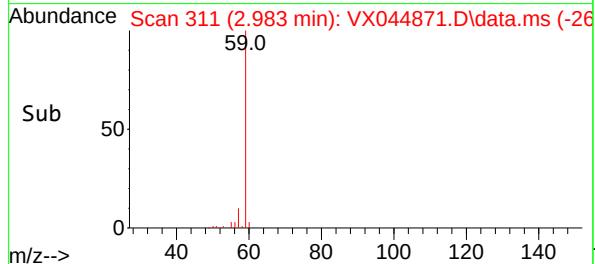
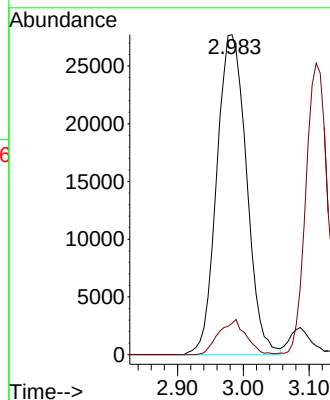
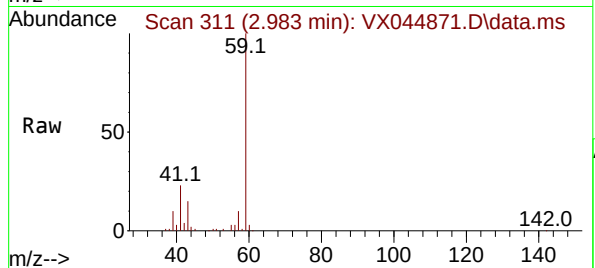
57 10.1 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#12

1,1-Dichloroethene

Concen: 48.904 ug/l

RT: 2.312 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

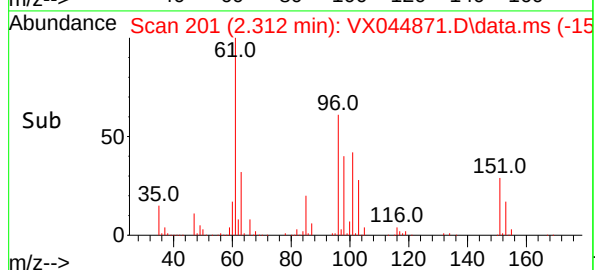
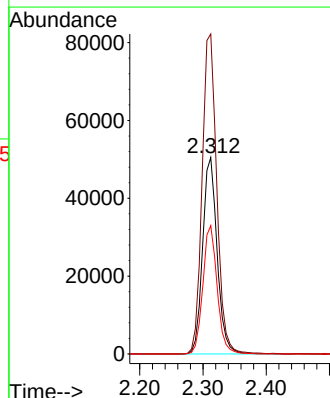
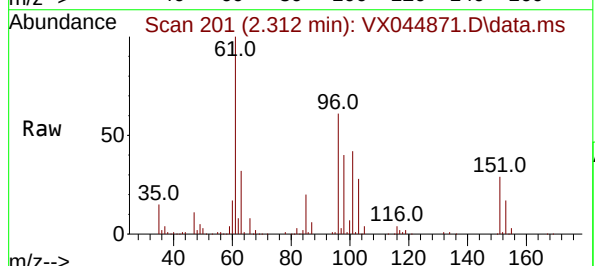
Tgt Ion: 96 Resp: 80672

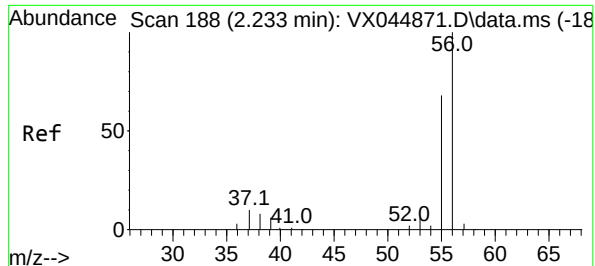
Ion Ratio Lower Upper

96 100

61 162.8 130.2 195.4

98 65.3 52.2 78.4





#13

Acrolein

Concen: 252.426 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 90518

Ion Ratio Lower Upper

56 100

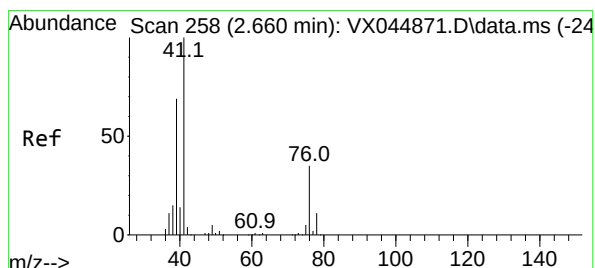
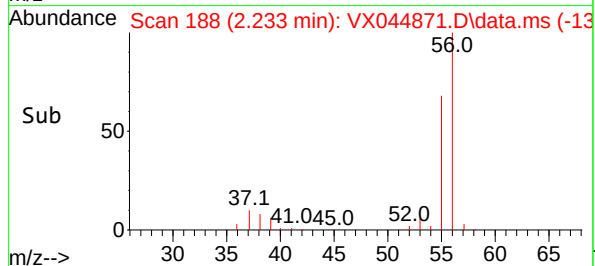
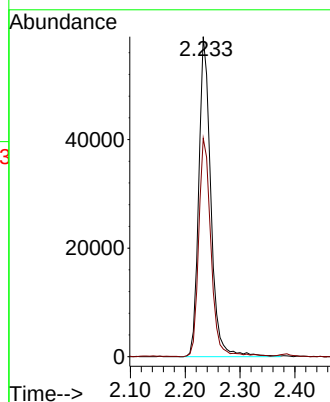
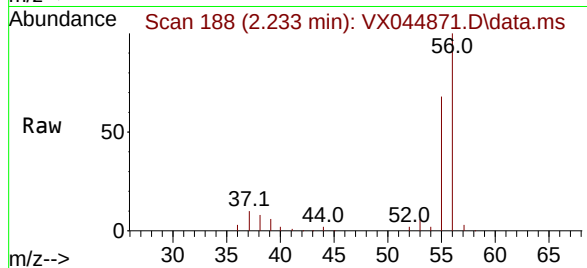
55 69.6 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#14

Allyl chloride

Concen: 49.658 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

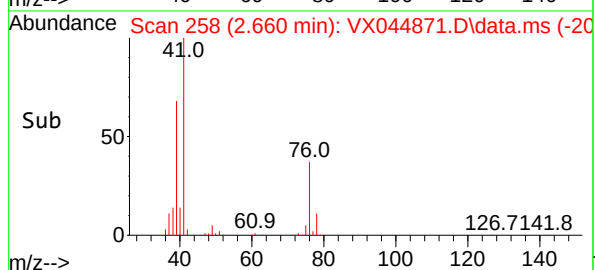
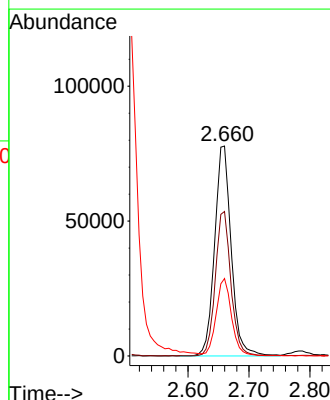
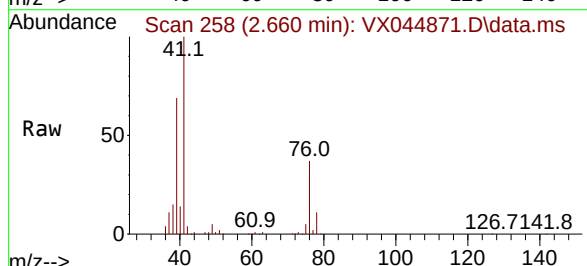
Tgt Ion: 41 Resp: 148044

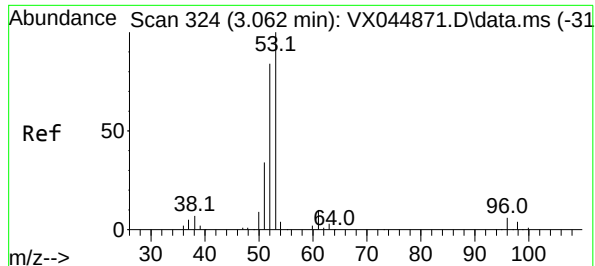
Ion Ratio Lower Upper

41 100

39 64.3 51.4 77.2

76 33.7 27.0 40.4





#15

Acrylonitrile

Concen: 261.074 ug/l

RT: 3.062 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 53 Resp: 242268

Ion Ratio Lower Upper

53 100

52 81.3 65.0 97.6

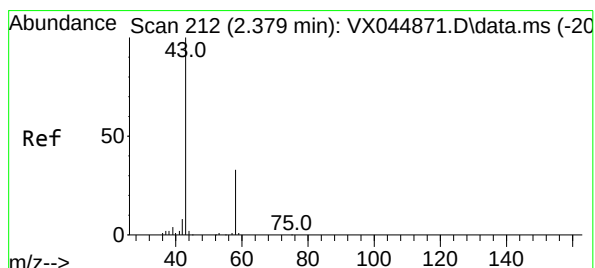
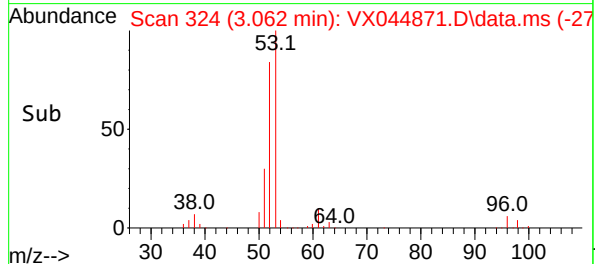
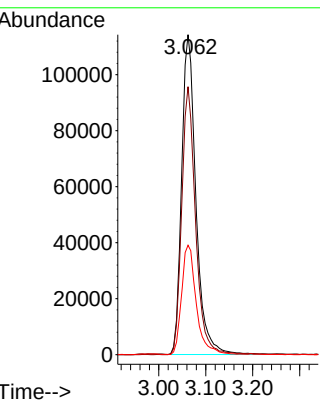
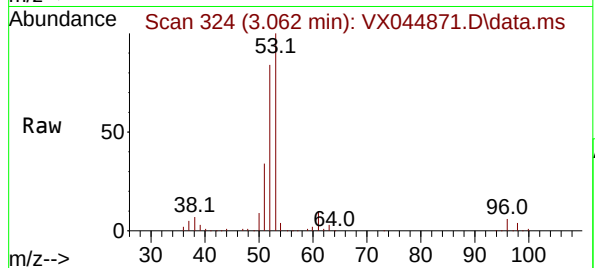
51 35.0 28.0 42.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#16

Acetone

Concen: 249.274 ug/l

RT: 2.379 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX044871.D

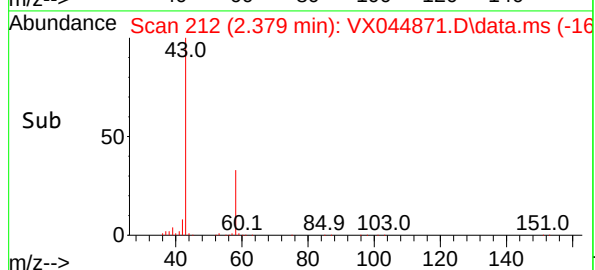
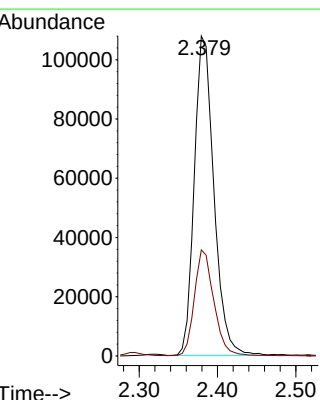
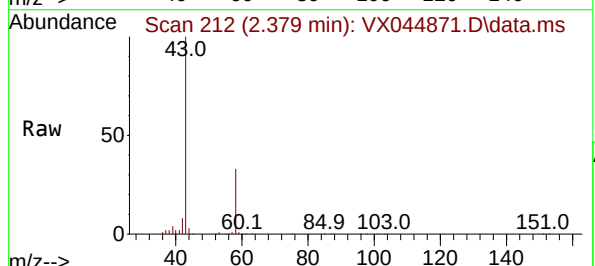
Acq: 10 Feb 2025 11:34

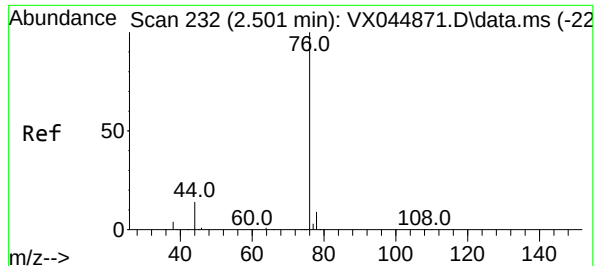
Tgt Ion: 43 Resp: 187739

Ion Ratio Lower Upper

43 100

58 33.1 26.5 39.7





#17

Carbon Disulfide

Concen: 49.853 ug/l

RT: 2.501 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 22551

Ion Ratio Lower Upper

76 100

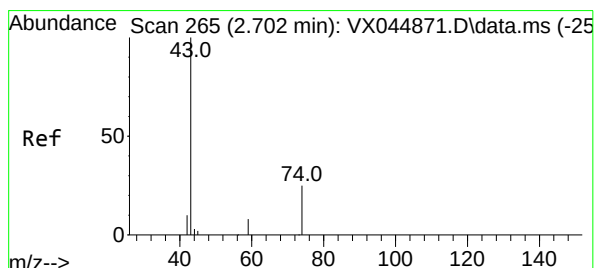
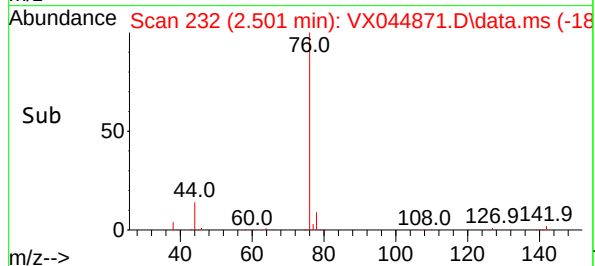
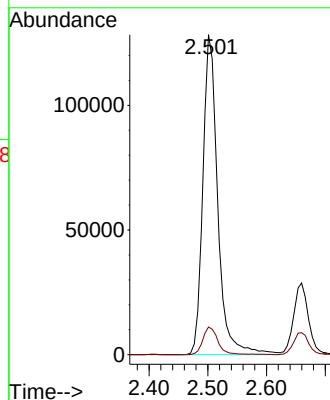
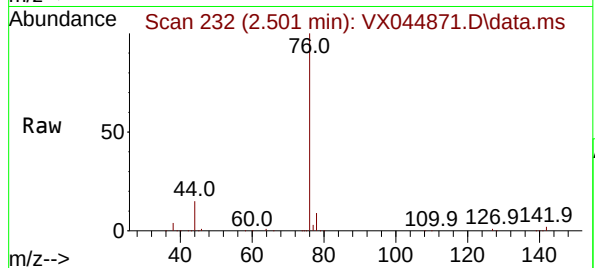
78 8.7 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#18

Methyl Acetate

Concen: 50.928 ug/l

RT: 2.702 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX044871.D

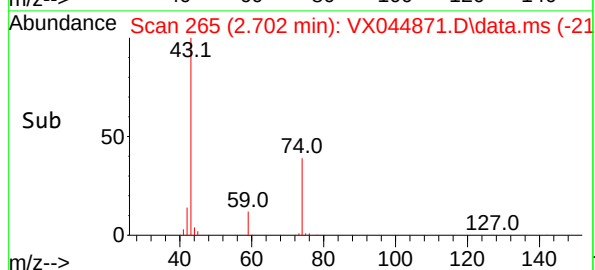
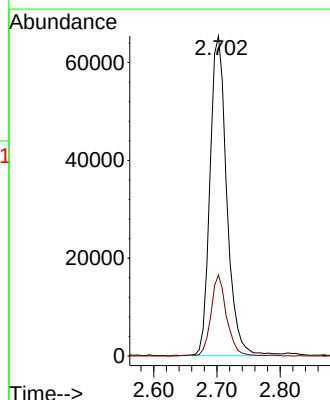
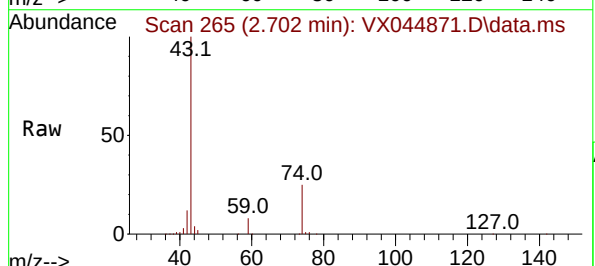
Acq: 10 Feb 2025 11:34

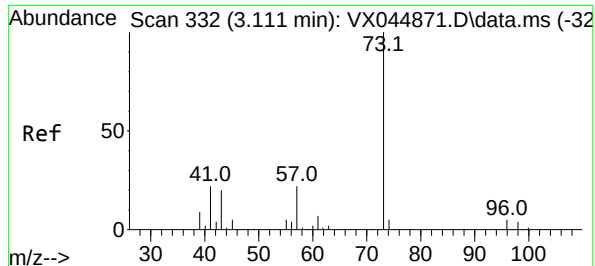
Tgt Ion: 43 Resp: 121039

Ion Ratio Lower Upper

43 100

74 23.6 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 49.890 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 261852

Ion Ratio Lower Upper

73 100

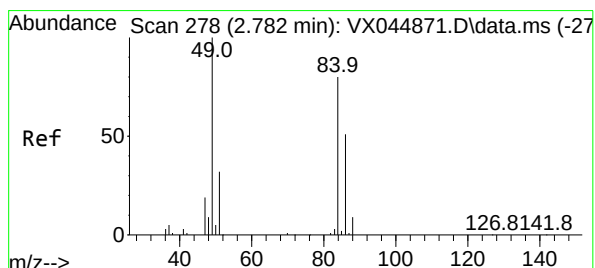
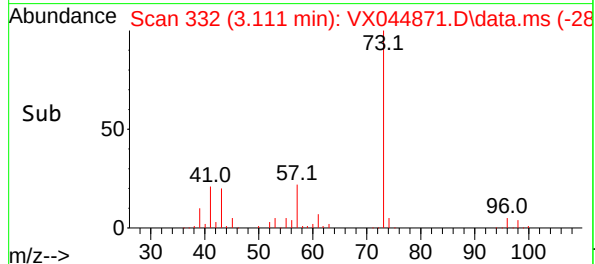
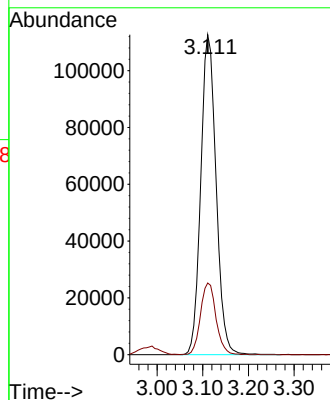
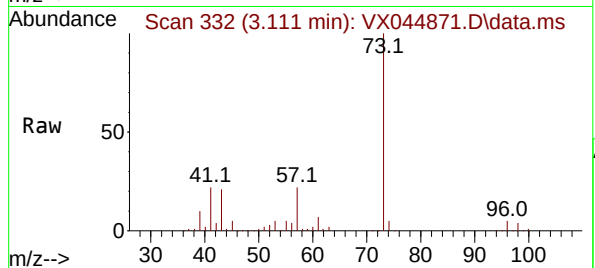
57 22.4 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#20

Methylene Chloride

Concen: 48.808 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Tgt Ion: 84 Resp: 90038

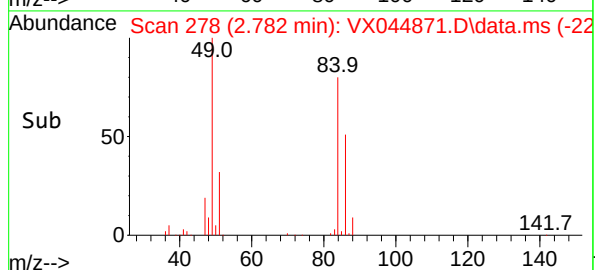
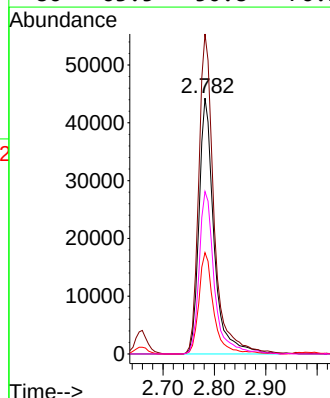
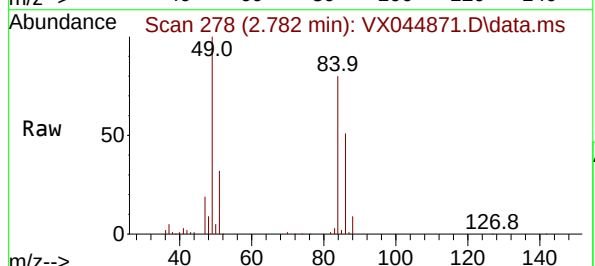
Ion Ratio Lower Upper

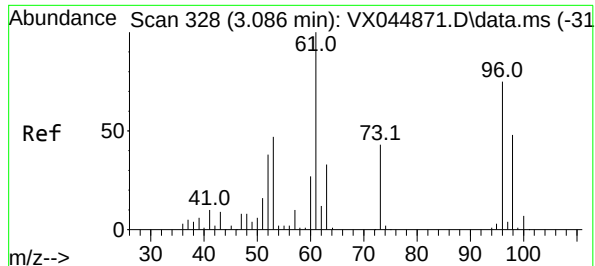
84 100

49 125.1 100.1 150.1

51 39.6 31.7 47.5

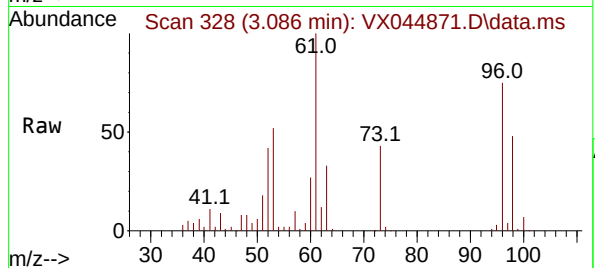
86 63.5 50.8 76.2





#21
trans-1,2-Dichloroethene
Concen: 50.475 ug/l
RT: 3.086 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

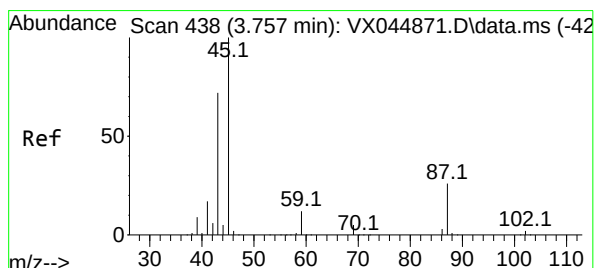
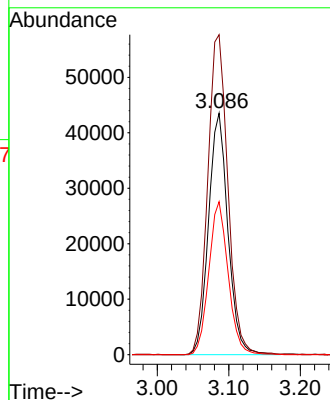
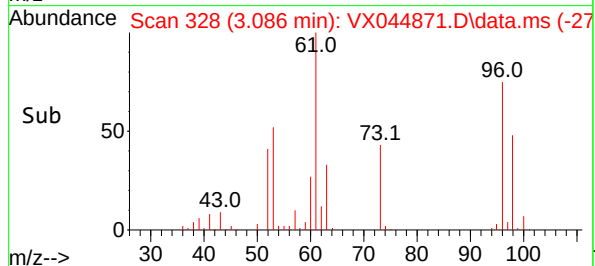
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion: 96 Resp: 81950
Ion Ratio Lower Upper
96 100
61 132.5 106.0 159.0
98 63.3 50.6 76.0

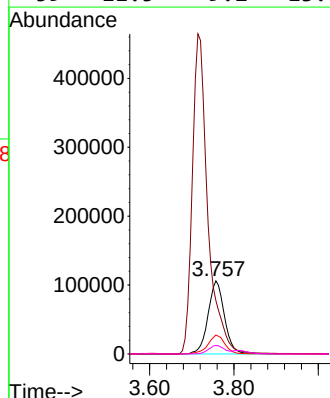
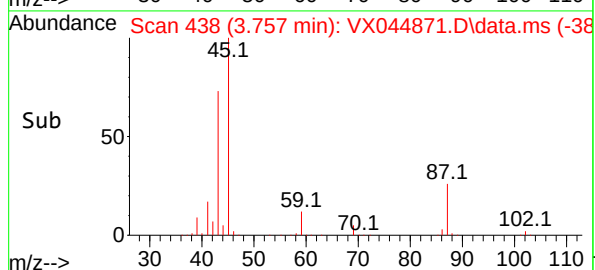
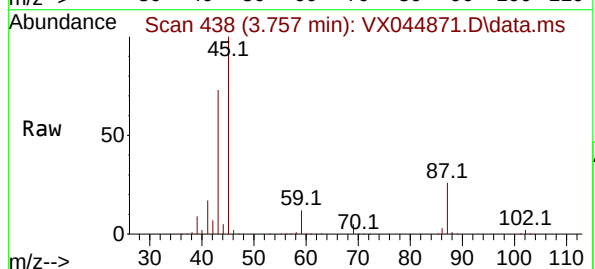
Manual Integrations
APPROVED

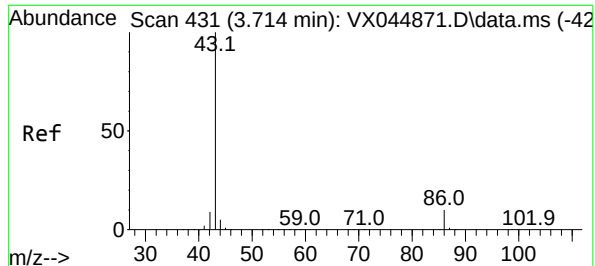
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#22
Diisopropyl ether
Concen: 50.946 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 45 Resp: 287347
Ion Ratio Lower Upper
45 100
43 72.5 58.0 87.0
87 25.9 20.7 31.1
59 11.5 9.2 13.8





#23

Vinyl Acetate

Concen: 258.830 ug/l

RT: 3.714 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 119015

Ion Ratio Lower Upper

43 100

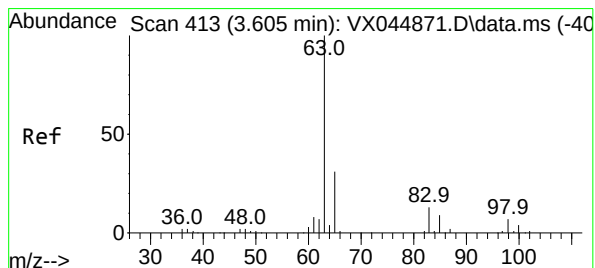
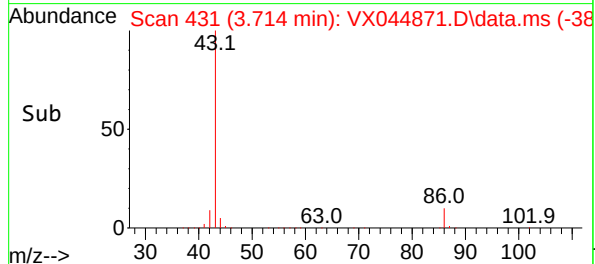
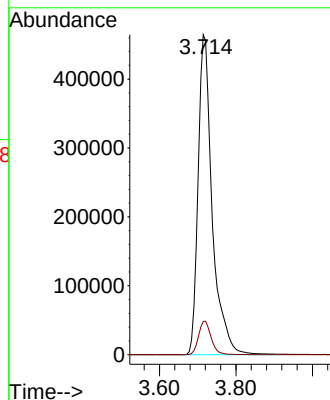
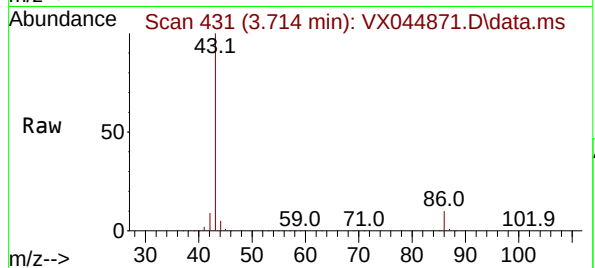
86 10.4 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#24

1,1-Dichloroethane

Concen: 49.749 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

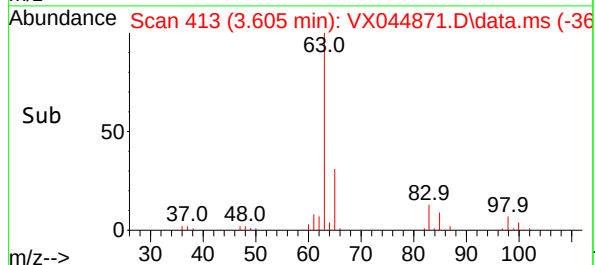
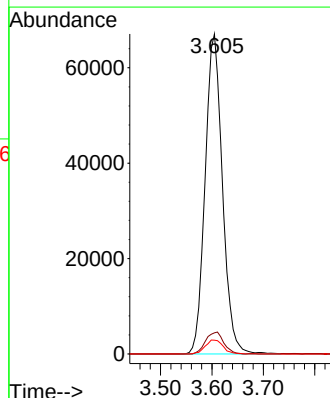
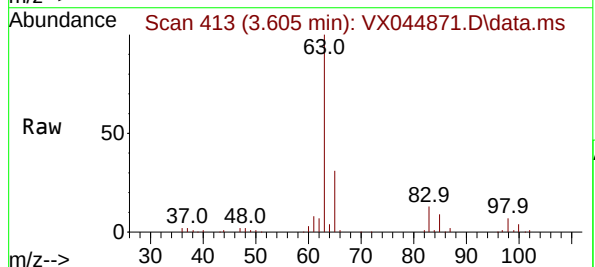
Tgt Ion: 63 Resp: 157003

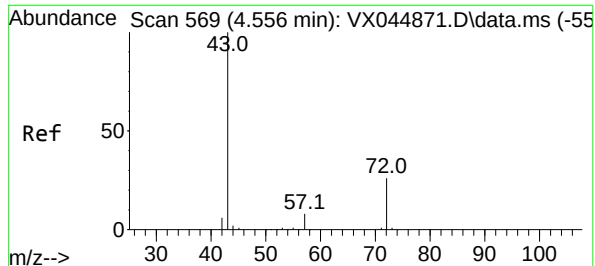
Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 264.528 ug/l

RT: 4.556 min Scan# 569

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 323510

Ion Ratio Lower Upper

43 100

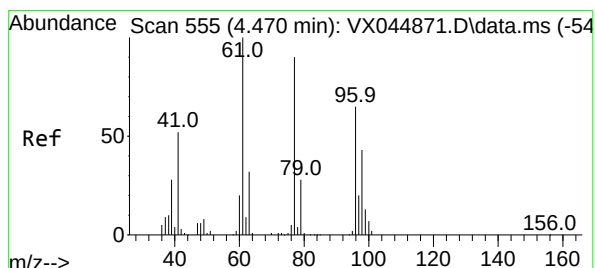
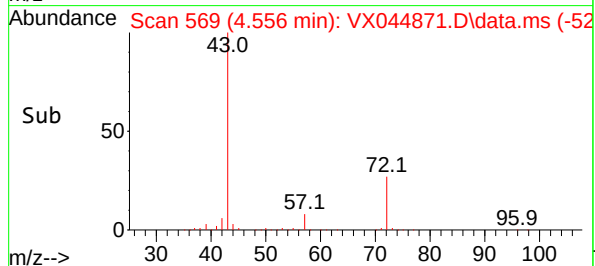
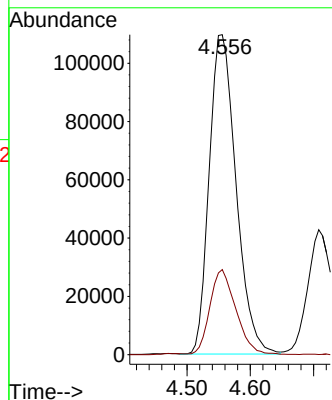
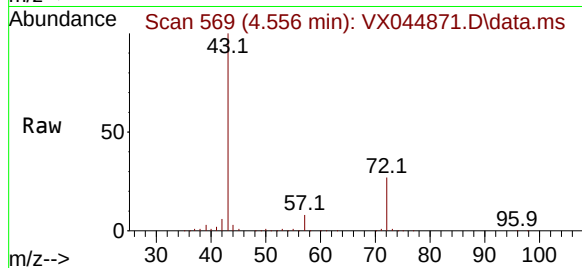
72 26.5 21.2 31.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#26

2,2-Dichloropropane

Concen: 48.707 ug/l

RT: 4.470 min Scan# 555

Delta R.T. 0.000 min

Lab File: VX044871.D

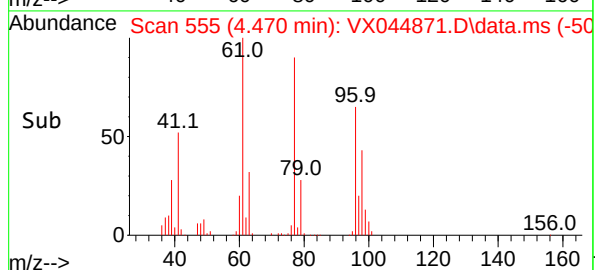
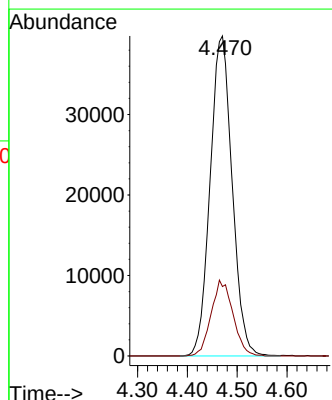
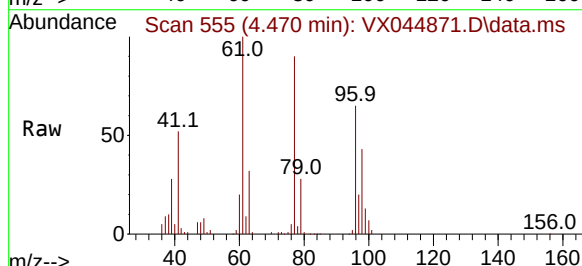
Acq: 10 Feb 2025 11:34

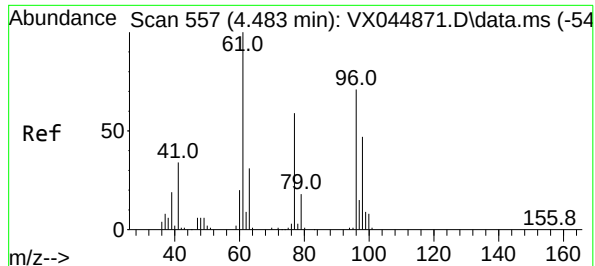
Tgt Ion: 77 Resp: 121901

Ion Ratio Lower Upper

77 100

97 23.5 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 49.721 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

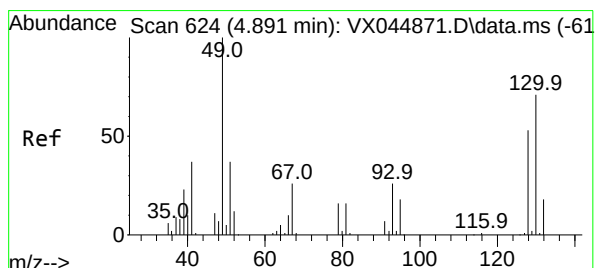
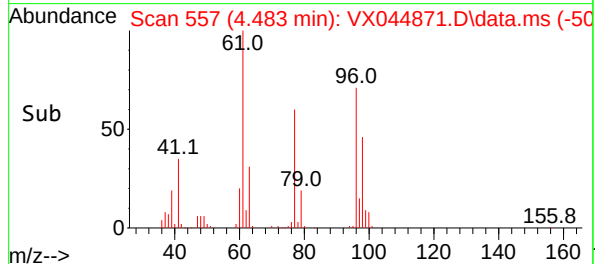
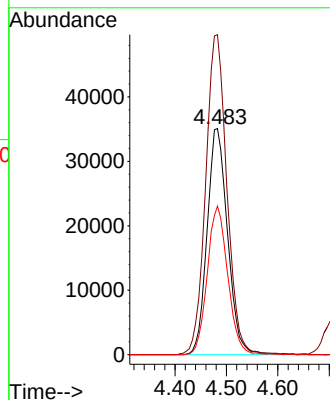
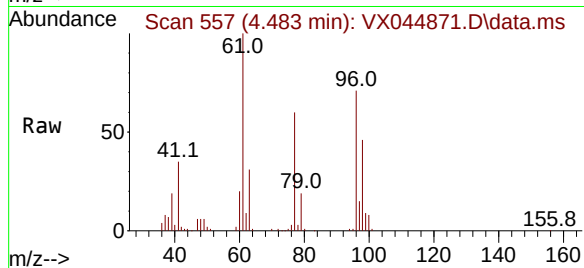
VSTDICCC050

Tgt Ion:	96	Resp:	9696
Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	294.0
98	65.6	0.0	131.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#28

Bromochloromethane

Concen: 49.258 ug/l

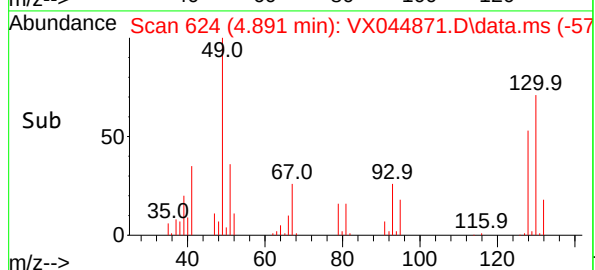
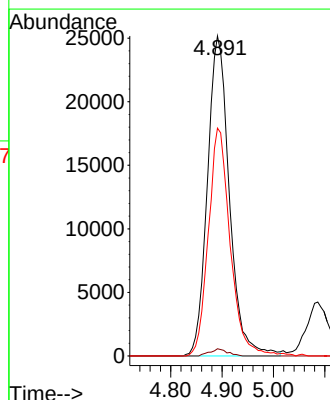
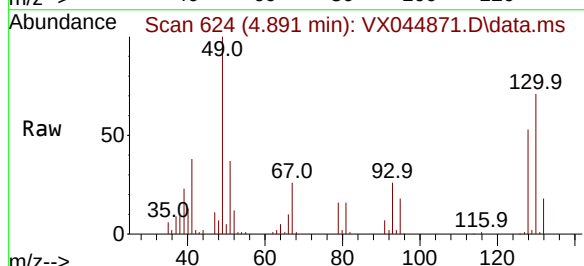
RT: 4.891 min Scan# 624

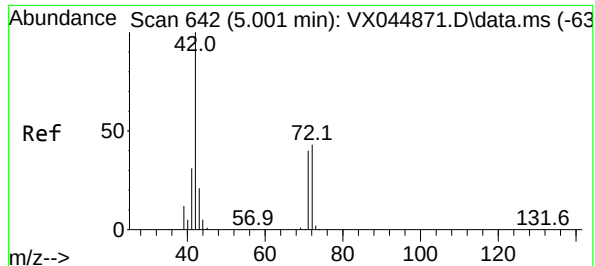
Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Tgt Ion:	49	Resp:	74707
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	70.9	56.7	85.1





#29

Tetrahydrofuran

Concen: 259.105 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 210414

Ion Ratio Lower Upper

42 100

72 43.7 35.0 52.4

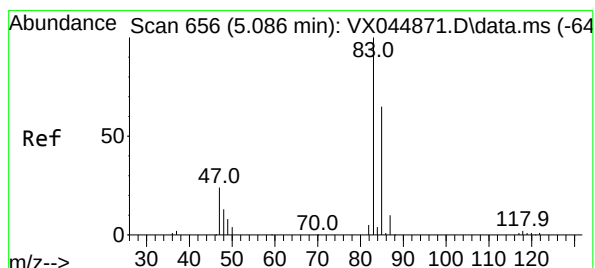
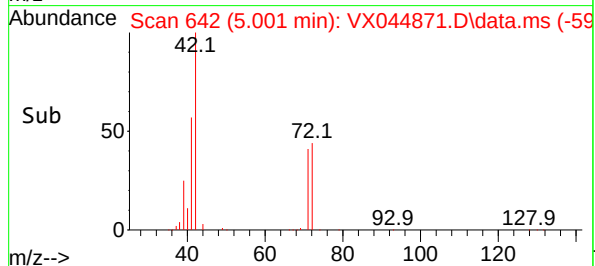
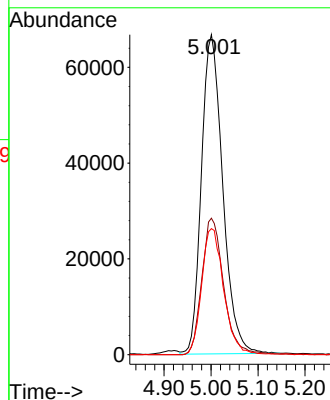
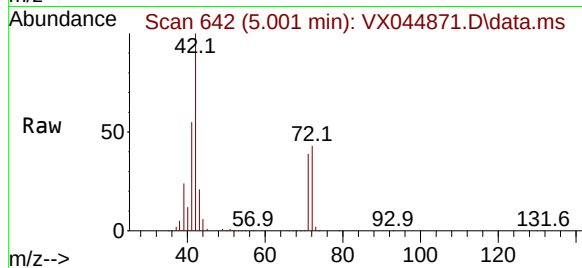
71 40.7 32.6 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#30

Chloroform

Concen: 48.874 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044871.D

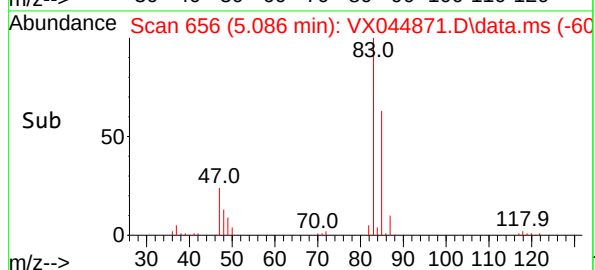
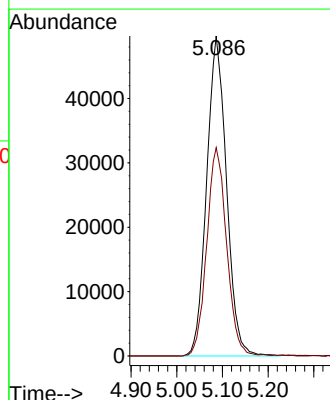
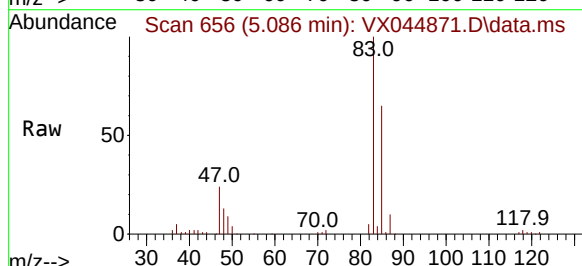
Acq: 10 Feb 2025 11:34

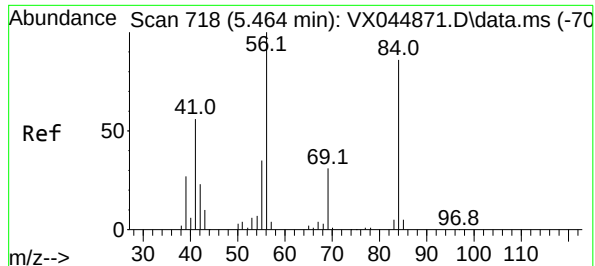
Tgt Ion: 83 Resp: 149581

Ion Ratio Lower Upper

83 100

85 65.1 52.1 78.1





#31

Cyclohexane

Concen: 49.322 ug/l

RT: 5.464 min Scan# 718

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 143500

Ion Ratio Lower Upper

56 100

69 30.5 24.4 36.6

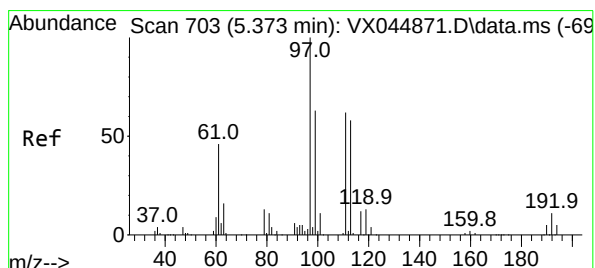
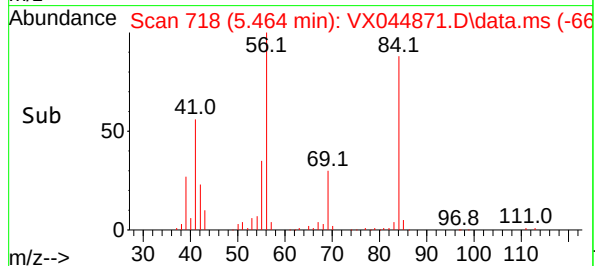
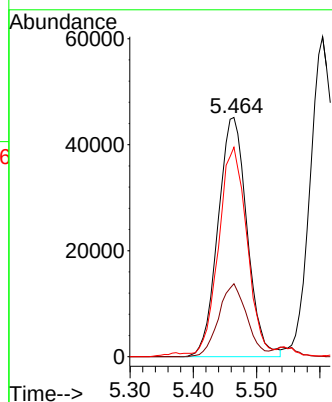
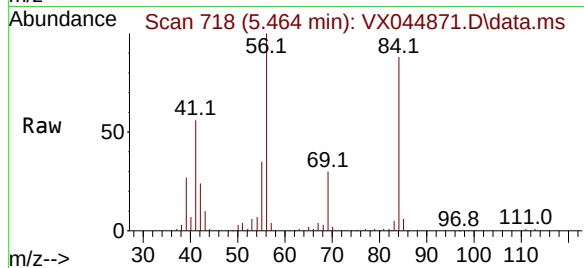
84 86.3 69.0 103.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#32

1,1,1-Trichloroethane

Concen: 49.523 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

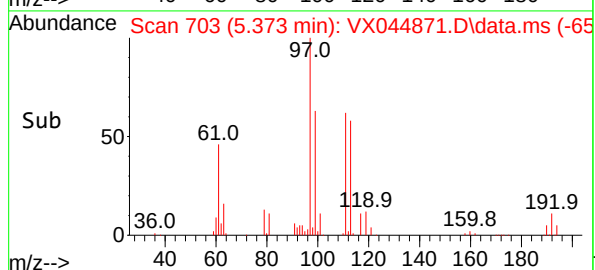
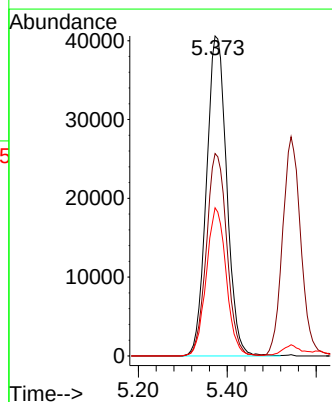
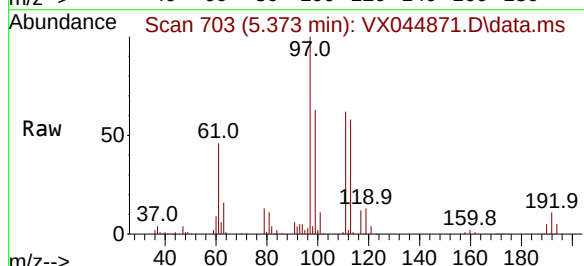
Tgt Ion: 97 Resp: 128561

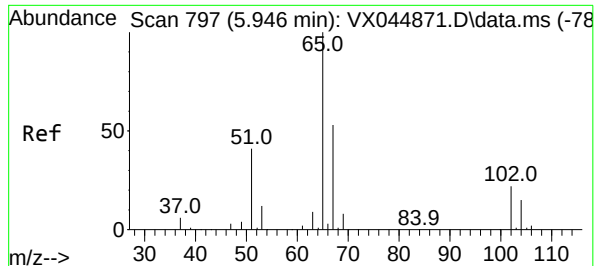
Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.6

61 45.8 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 49.424 ug/l

RT: 5.946 min Scan# 79

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 9259

Ion Ratio Lower Upper

65 100

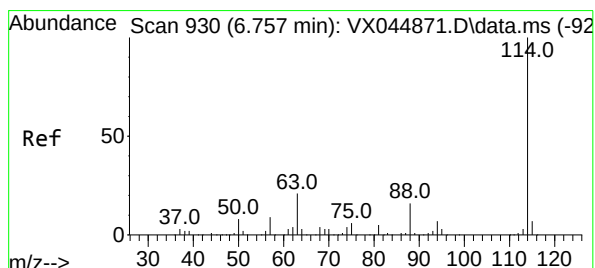
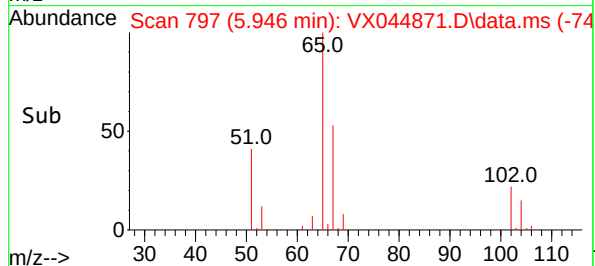
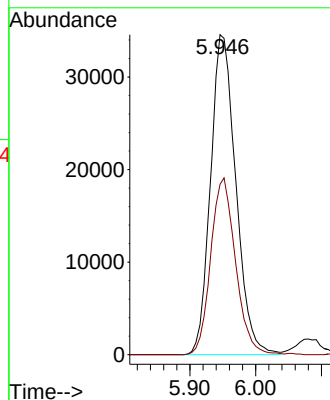
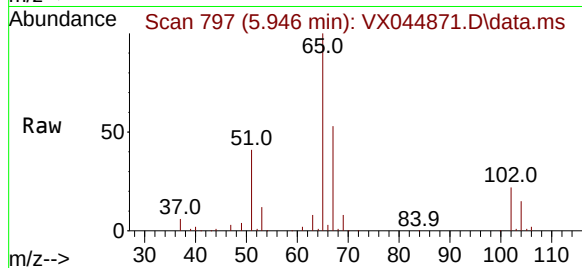
67 54.1 0.0 108.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

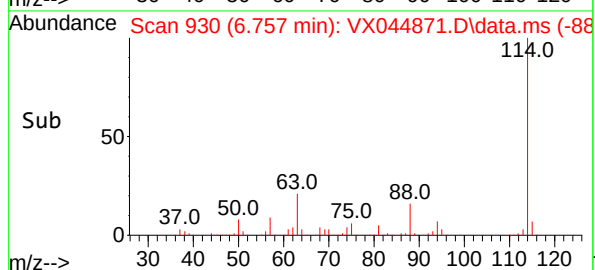
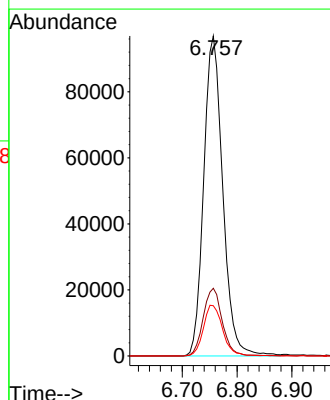
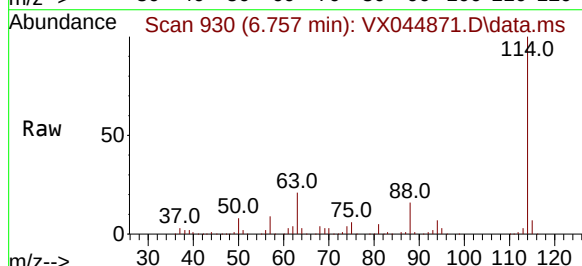
Tgt Ion:114 Resp: 233736

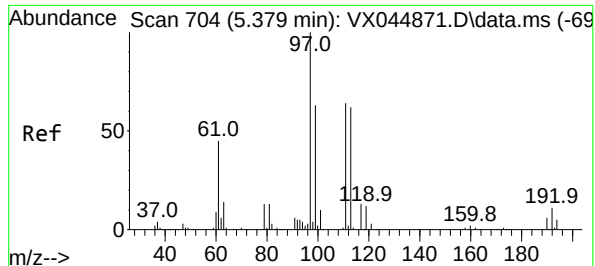
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.4

88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.291 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

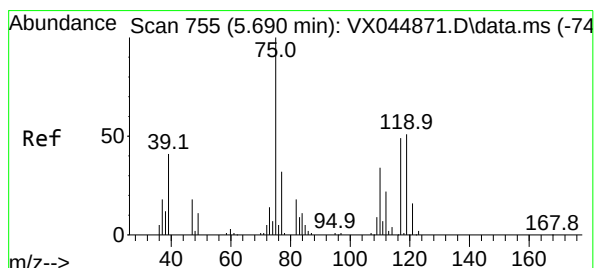
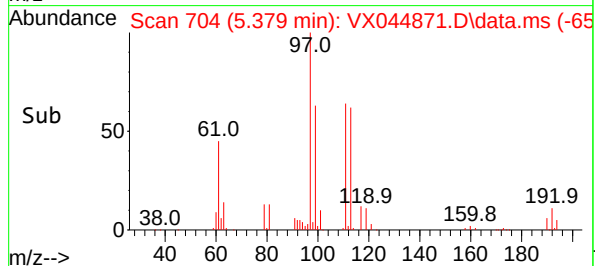
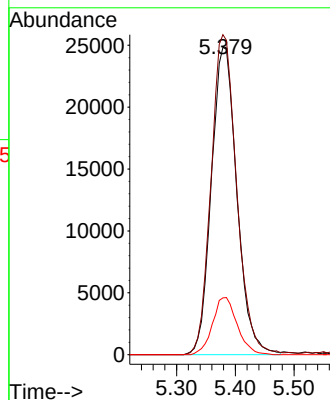
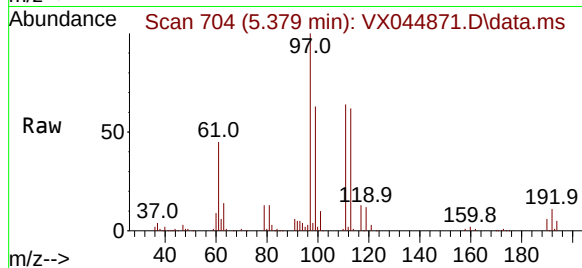
VSTDICCC050

Tgt Ion:	113	Resp:	74900
Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.5	125.3
192	18.0	14.4	21.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#36

1,1-Dichloropropene

Concen: 49.353 ug/l

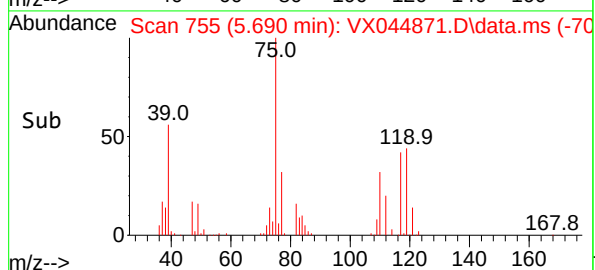
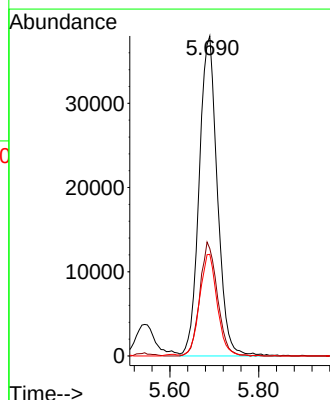
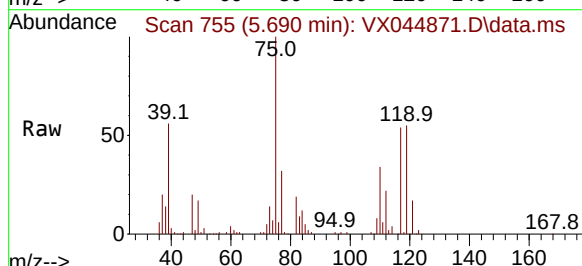
RT: 5.690 min Scan# 755

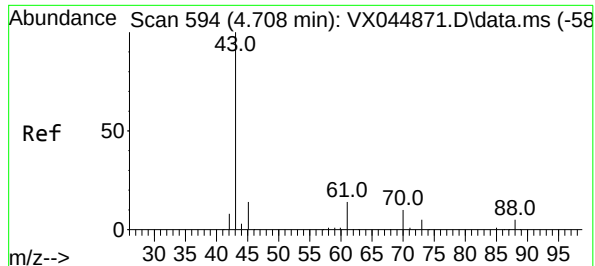
Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Tgt Ion:	75	Resp:	108206
Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.2	51.6
77	30.8	24.6	37.0





#37

Ethyl Acetate

Concen: 50.535 ug/l

RT: 4.708 min Scan# 594

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 123238

Ion Ratio Lower Upper

43 100

61 13.7 11.0 16.4

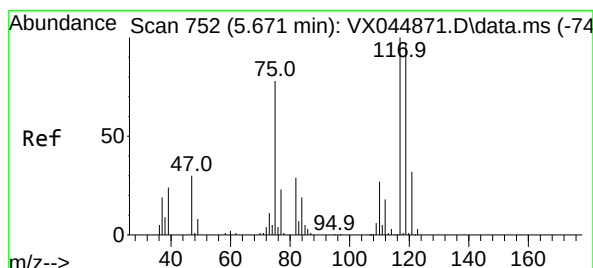
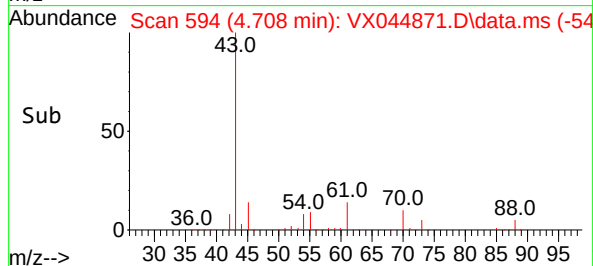
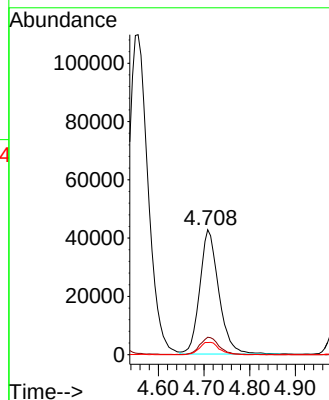
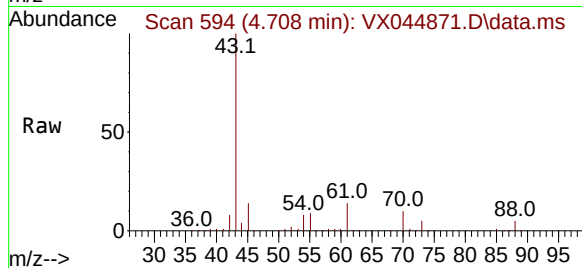
70 10.2 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#38

Carbon Tetrachloride

Concen: 49.277 ug/l

RT: 5.671 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

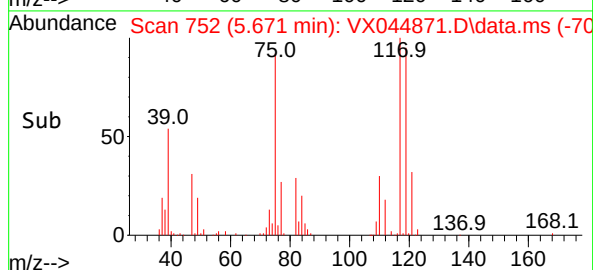
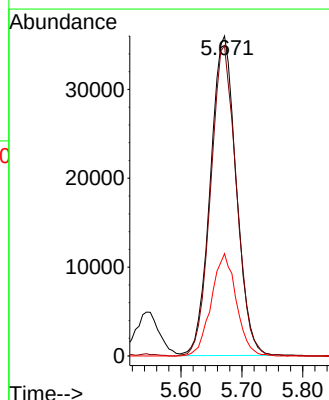
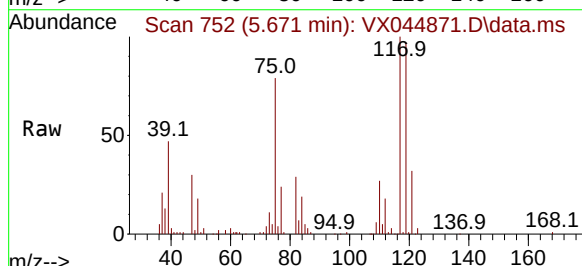
Tgt Ion:117 Resp: 105873

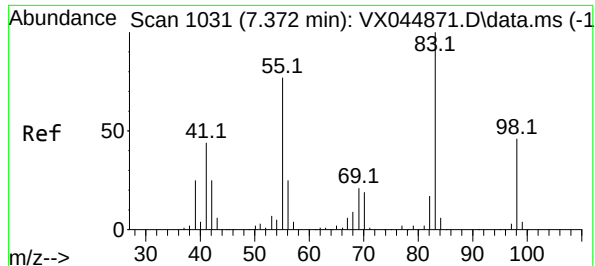
Ion Ratio Lower Upper

117 100

119 96.9 77.5 116.3

121 32.0 25.6 38.4





#39

Methylcyclohexane

Concen: 51.274 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 145338

Ion Ratio Lower Upper

83 100

55 76.6 61.3 91.9

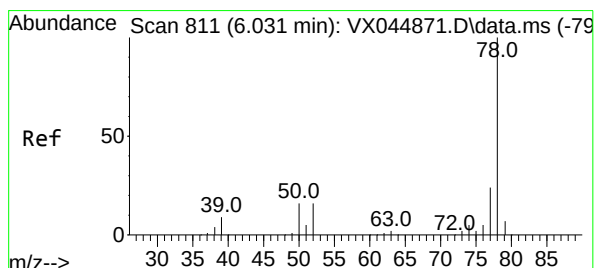
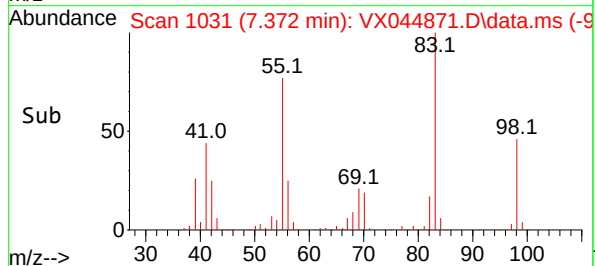
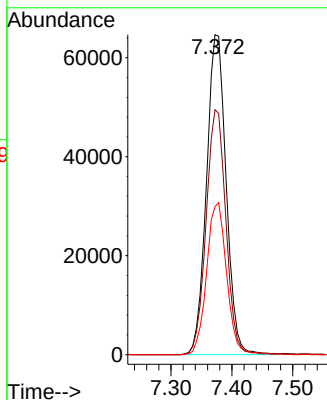
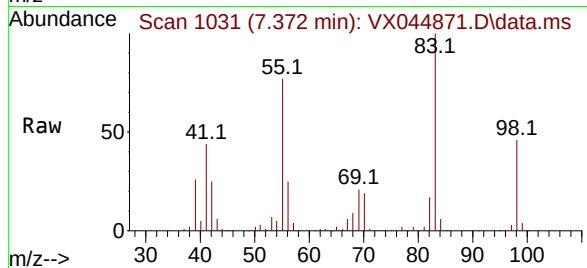
98 46.3 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#40

Benzene

Concen: 50.182 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044871.D

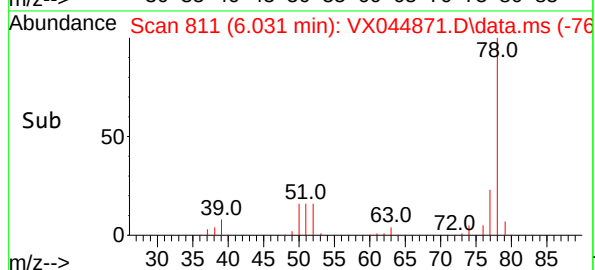
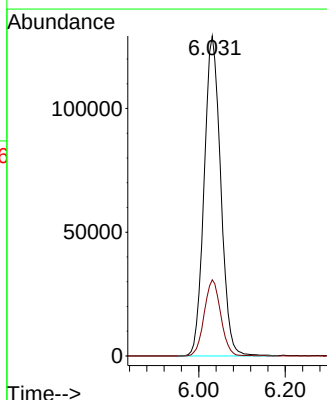
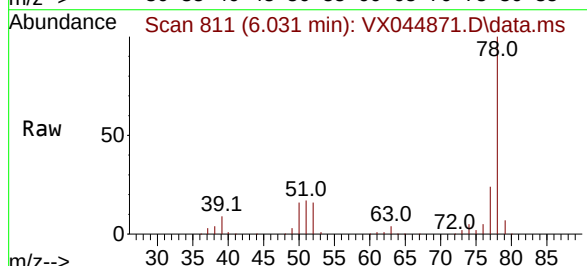
Acq: 10 Feb 2025 11:34

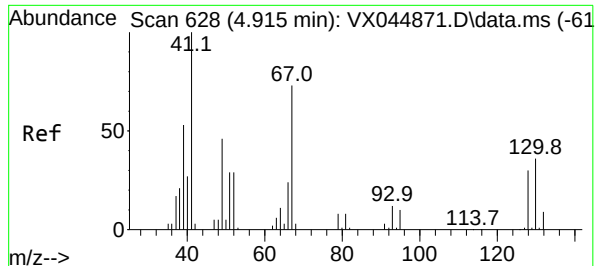
Tgt Ion: 78 Resp: 343557

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6





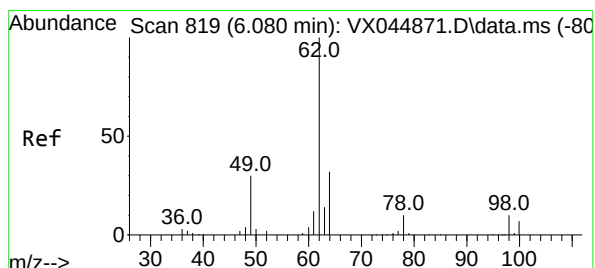
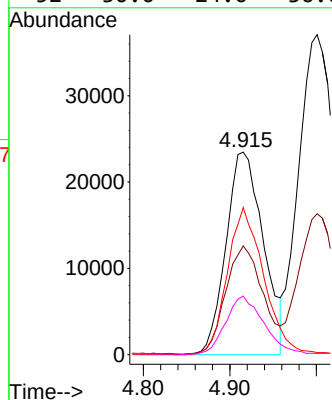
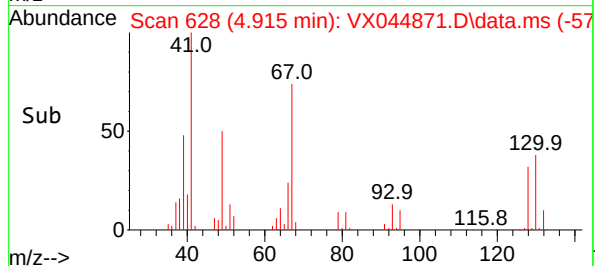
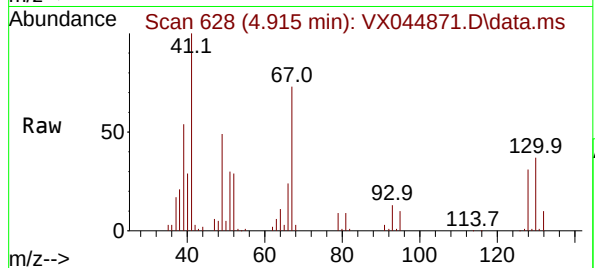
#41
Methacrylonitrile
Concen: 54.065 ug/l
RT: 4.915 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 70572
Ion Ratio Lower Upper
41 100
39 53.9 43.1 64.7
67 71.3 57.0 85.6
52 30.0 24.0 36.0

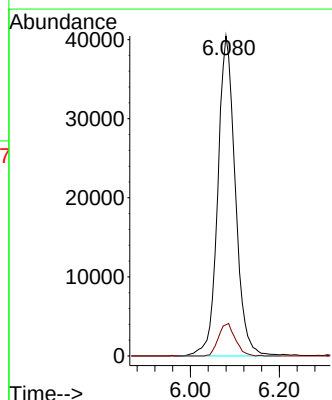
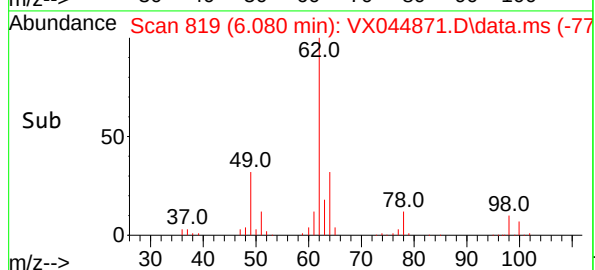
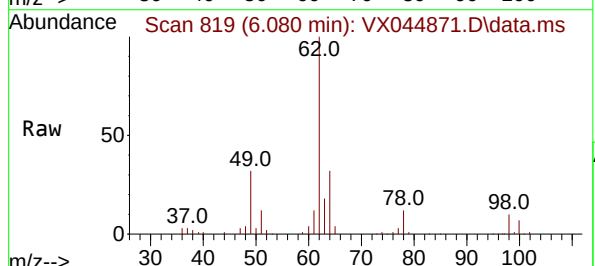
Manual Integrations
APPROVED

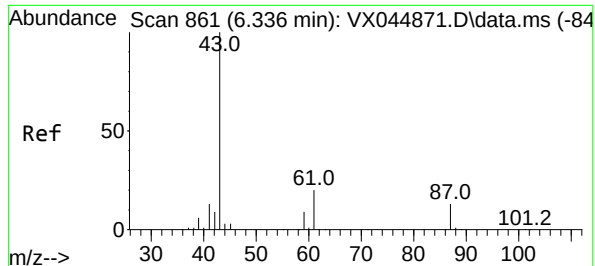
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#42
1,2-Dichloroethane
Concen: 50.573 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 62 Resp: 110347
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.4





#43

Isopropyl Acetate

Concen: 51.981 ug/l

RT: 6.336 min Scan# 861

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 20470

Ion Ratio Lower Upper

43 100

61 19.8 15.8 23.8

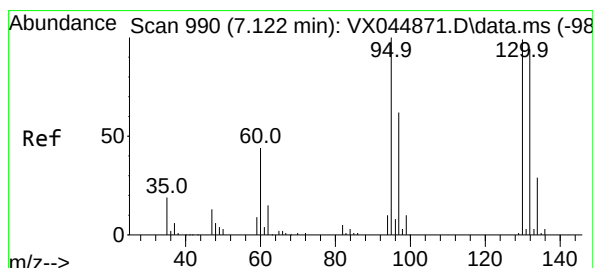
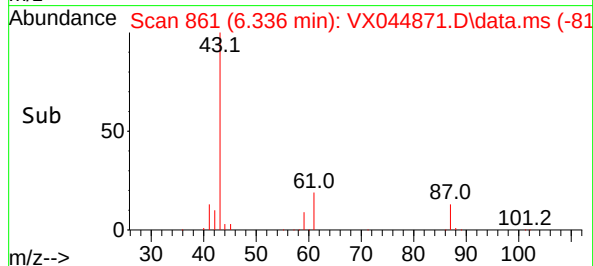
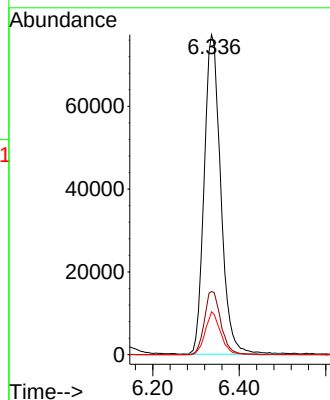
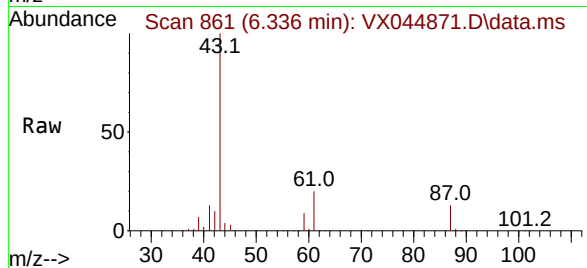
87 12.5 10.0 15.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#44

Trichloroethene

Concen: 50.020 ug/l

RT: 7.122 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX044871.D

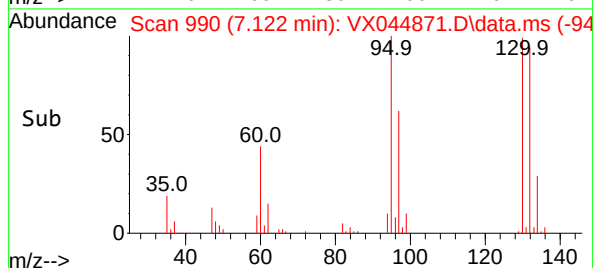
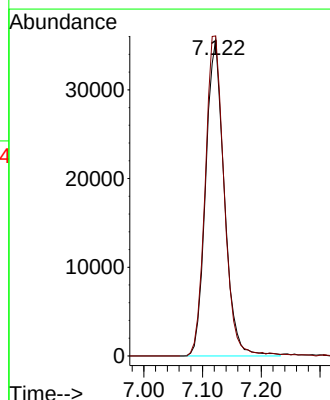
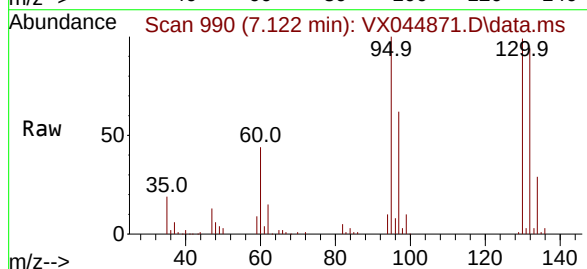
Acq: 10 Feb 2025 11:34

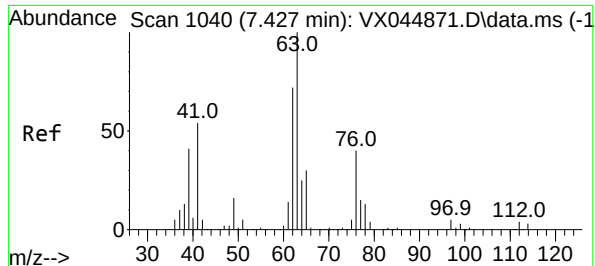
Tgt Ion:130 Resp: 78274

Ion Ratio Lower Upper

130 100

95 101.2 0.0 202.4





#45

1,2-Dichloropropane

Concen: 50.335 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 8573

Ion Ratio Lower Upper

63 100

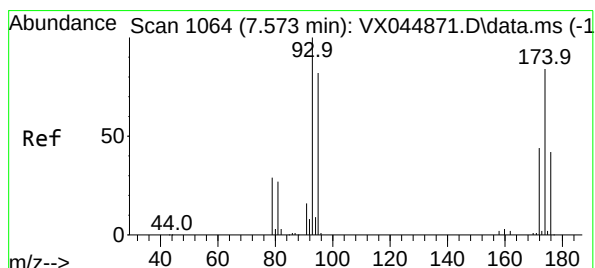
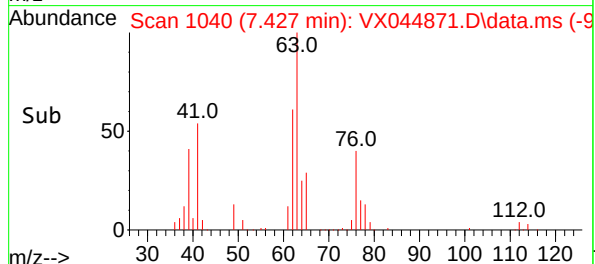
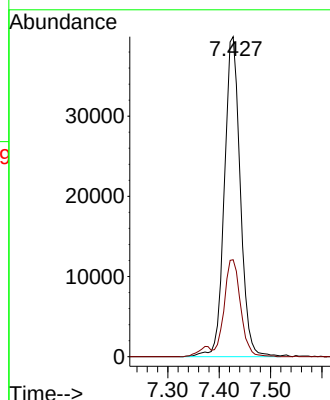
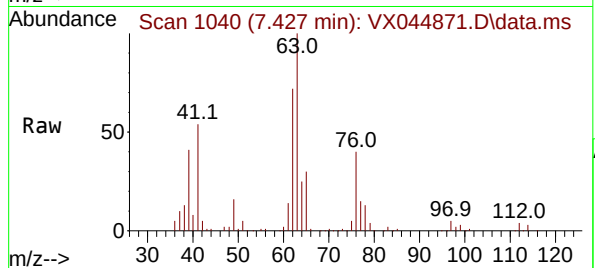
65 30.3 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#46

Dibromomethane

Concen: 50.479 ug/l

RT: 7.573 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

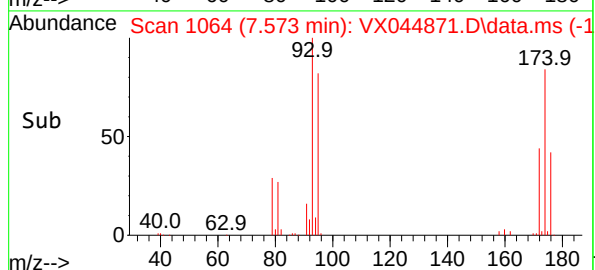
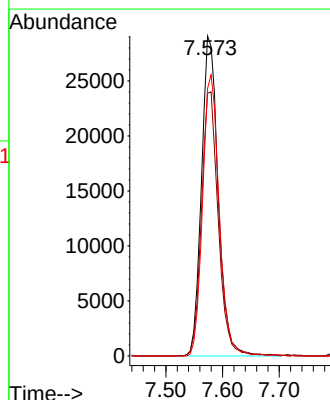
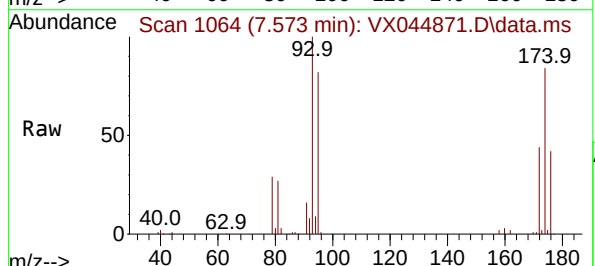
Tgt Ion: 93 Resp: 59625

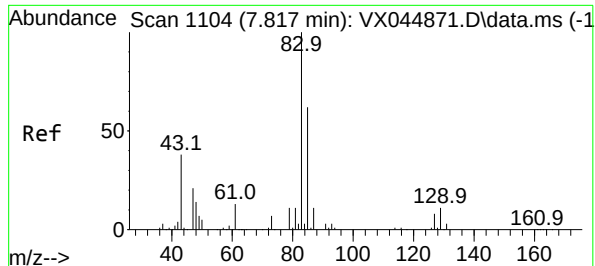
Ion Ratio Lower Upper

93 100

95 82.8 66.2 99.4

174 87.4 69.9 104.9





#47

Bromodichloromethane

Concen: 51.108 ug/l

RT: 7.817 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

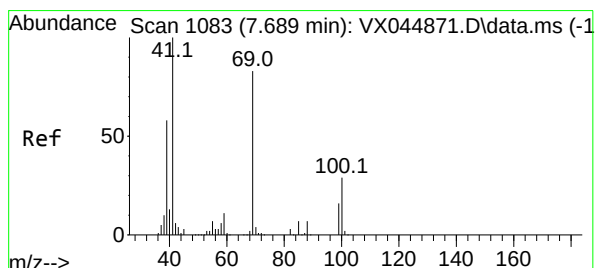
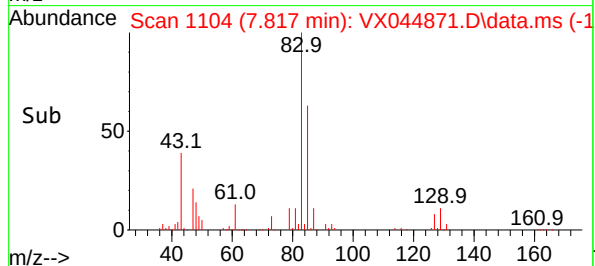
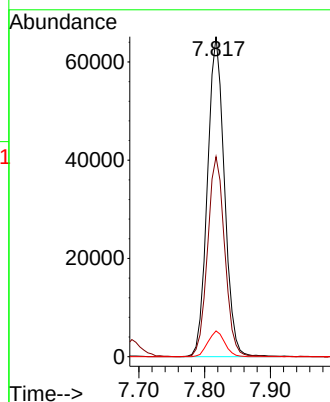
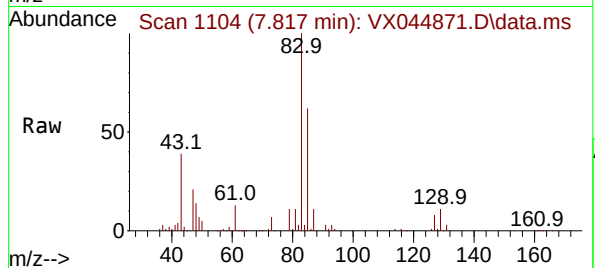
VSTDICCC050

Tgt Ion:	83	Resp:	11689
Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.0	75.0
127	8.0	6.4	9.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#48

Methyl methacrylate

Concen: 53.057 ug/l

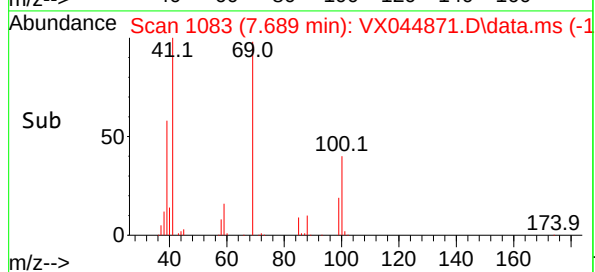
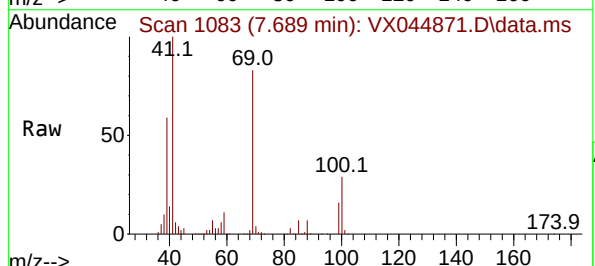
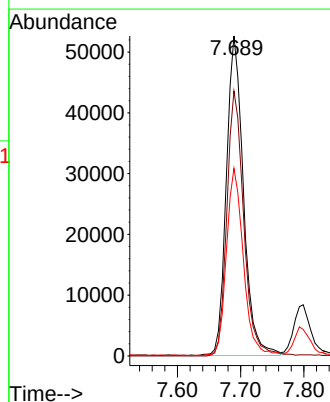
RT: 7.689 min Scan# 1083

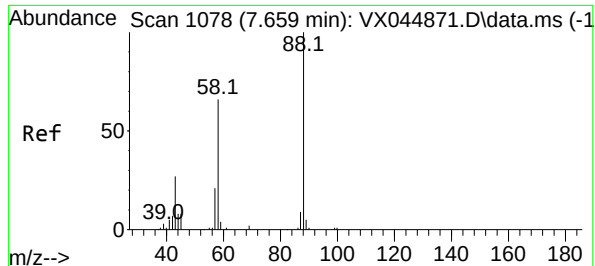
Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Tgt Ion:	41	Resp:	98519
Ion	Ratio	Lower	Upper
41	100		
69	82.3	65.8	98.8
39	58.0	46.4	69.6





#49

1,4-Dioxane

Concen: 1056.618 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

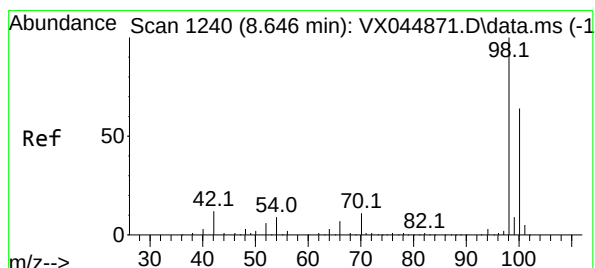
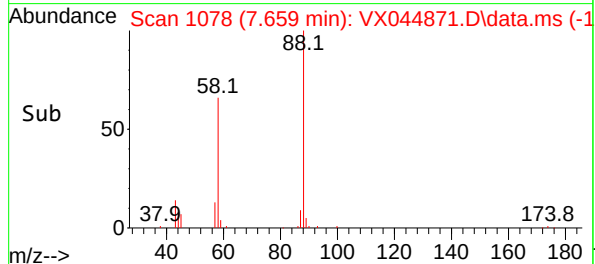
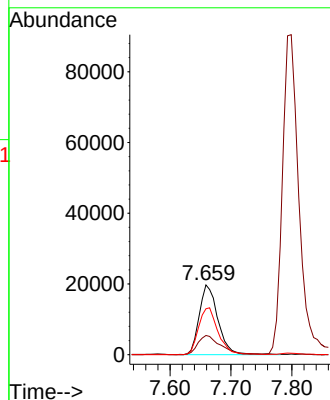
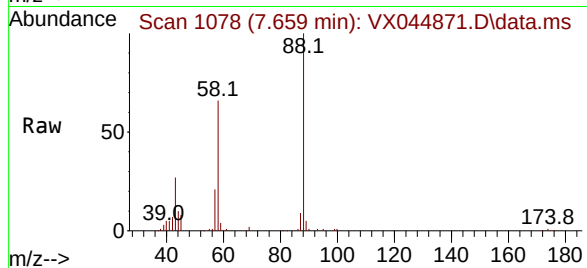
VSTDICCC050

Tgt Ion:	88	Resp:	42094
Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.6	39.8
58	69.9	55.9	83.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#50

Toluene-d8

Concen: 50.392 ug/l

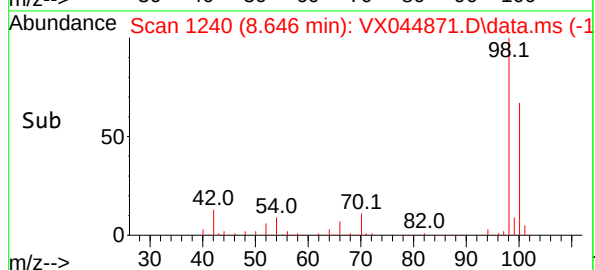
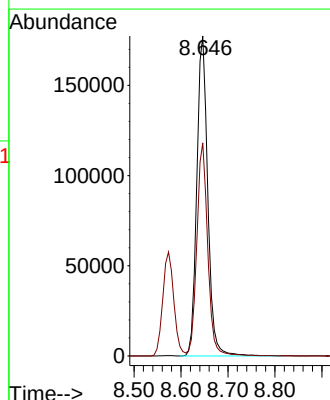
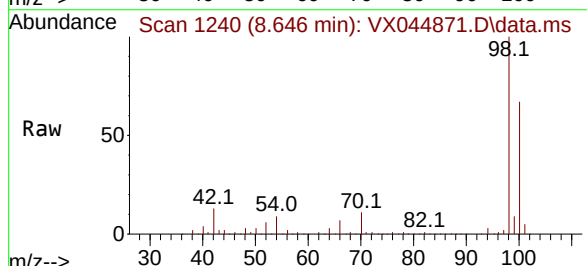
RT: 8.646 min Scan# 1240

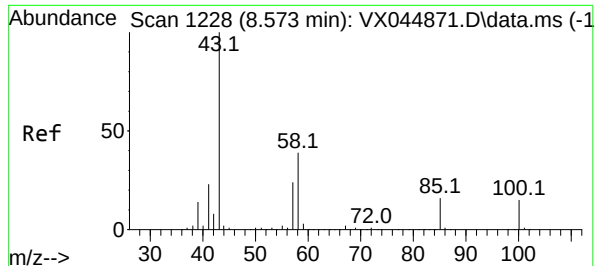
Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Tgt Ion:	98	Resp:	289575
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 270.364 ug/l

RT: 8.573 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 64728

Ion Ratio Lower Upper

43 100

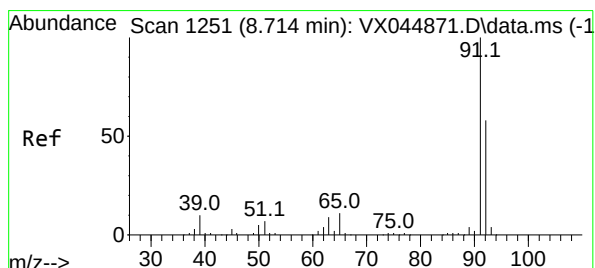
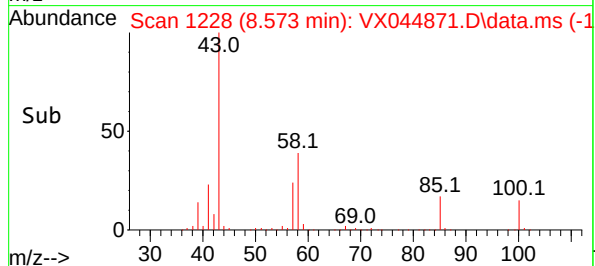
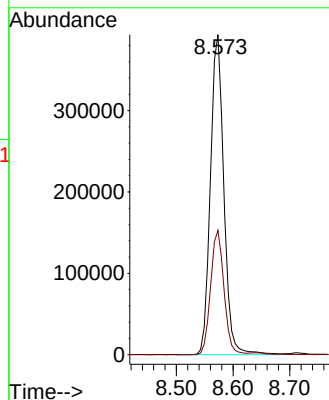
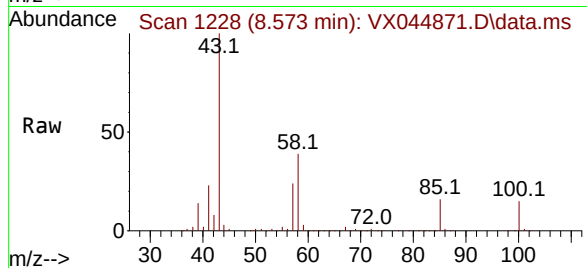
58 38.5 30.8 46.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#52

Toluene

Concen: 51.507 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX044871.D

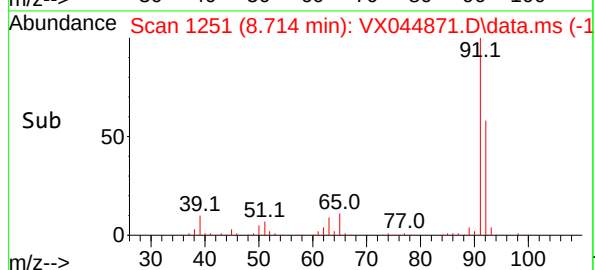
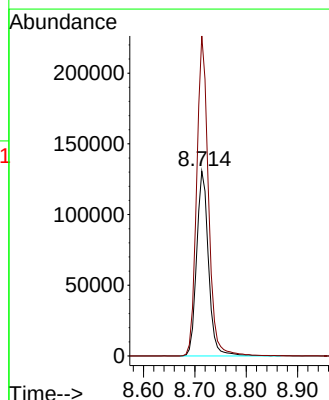
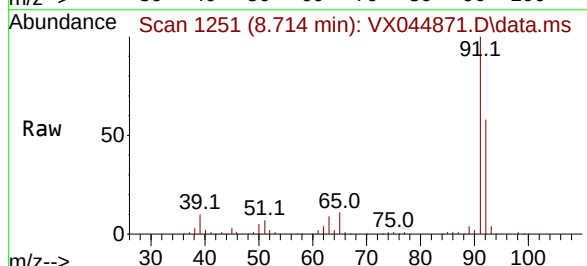
Acq: 10 Feb 2025 11:34

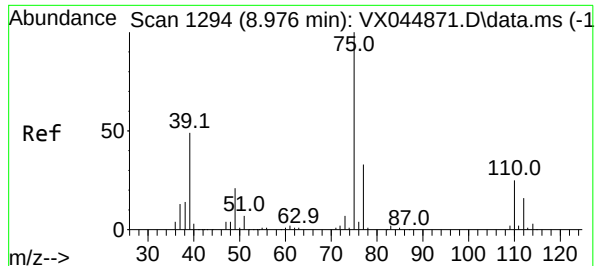
Tgt Ion: 92 Resp: 210007

Ion Ratio Lower Upper

92 100

91 171.8 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 51.902 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 75 Resp: 120125

Ion Ratio Lower Upper

75 100

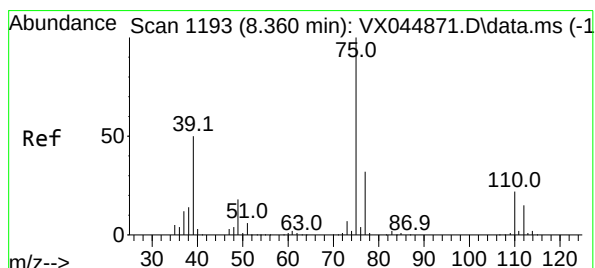
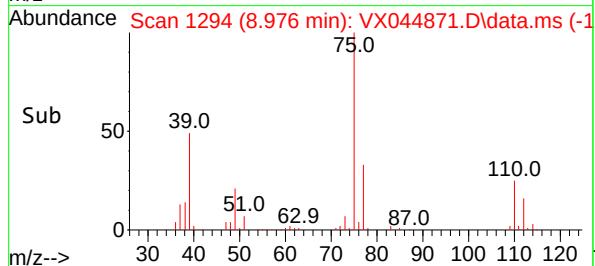
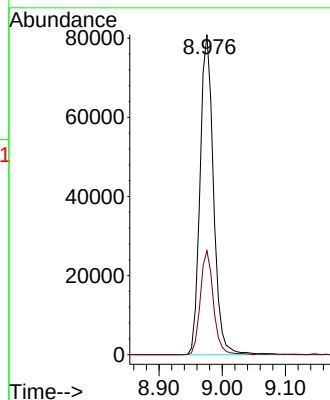
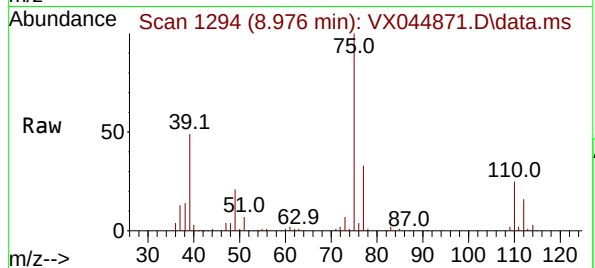
77 32.5 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#54

cis-1,3-Dichloropropene

Concen: 52.223 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

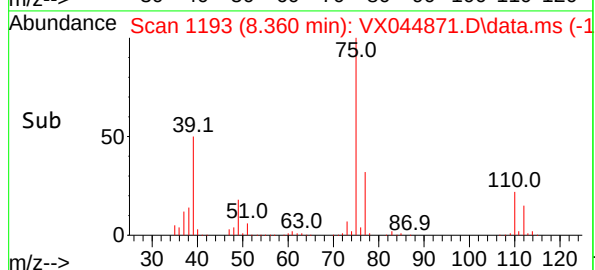
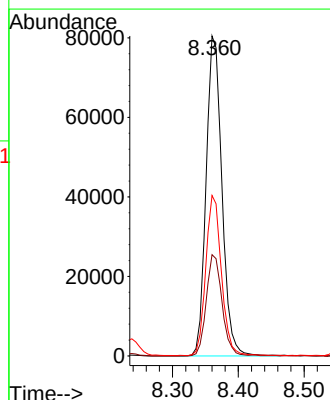
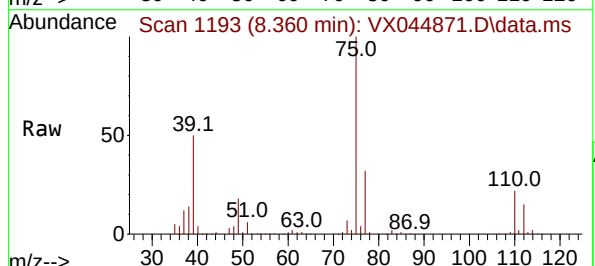
Tgt Ion: 75 Resp: 134763

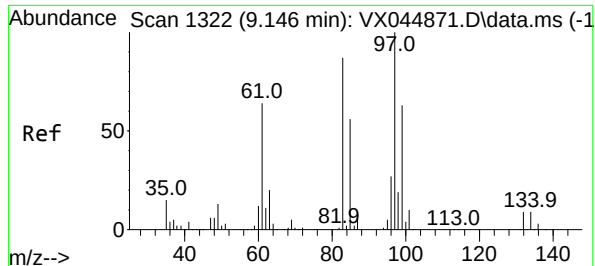
Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9

39 50.0 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 50.876 ug/l

RT: 9.146 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 7974

Ion Ratio Lower Upper

97 100

83 87.2 69.8 104.6

85 56.0 44.8 67.2

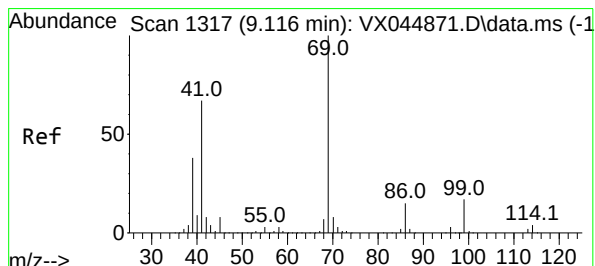
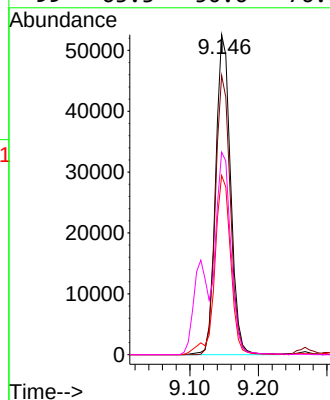
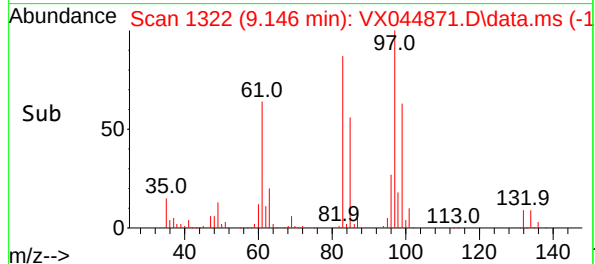
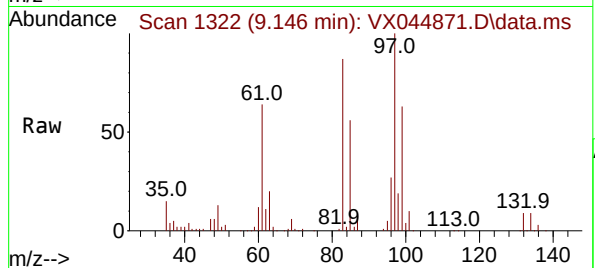
99 63.3 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#56

Ethyl methacrylate

Concen: 53.319 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

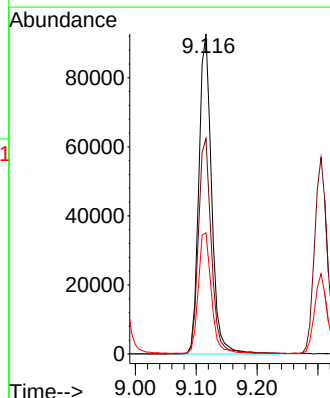
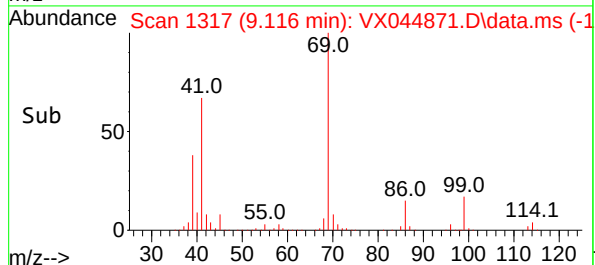
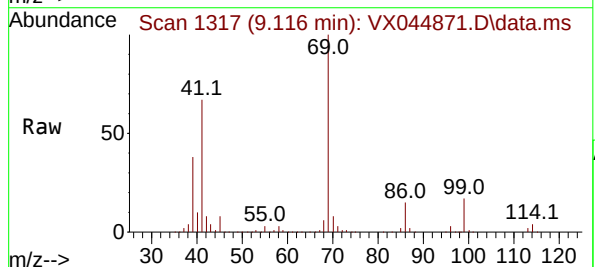
Tgt Ion: 69 Resp: 134975

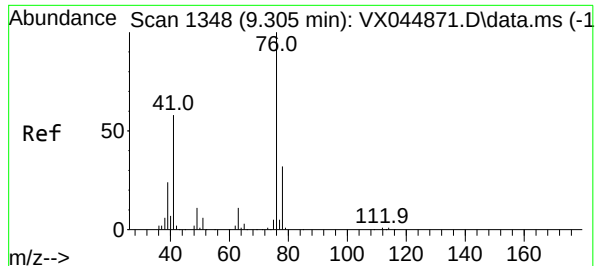
Ion Ratio Lower Upper

69 100

41 69.0 55.2 82.8

39 38.5 30.8 46.2





#57

1,3-Dichloropropane

Concen: 51.537 ug/l

RT: 9.305 min Scan# 11133

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 14133

Ion Ratio Lower Upper

76 100

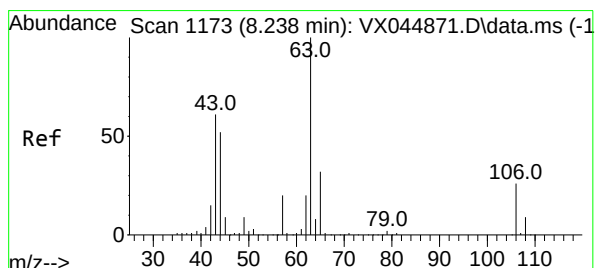
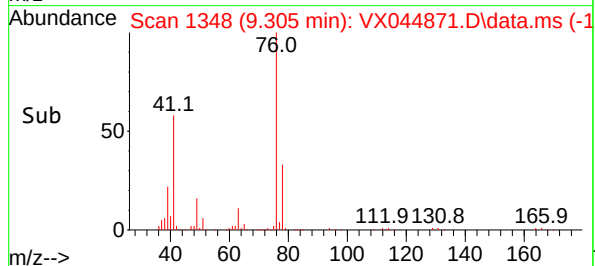
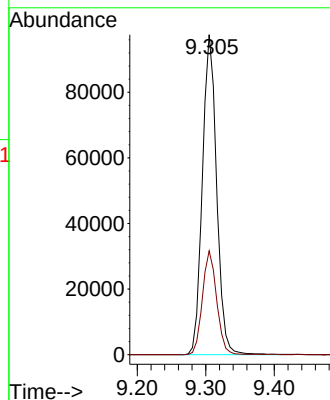
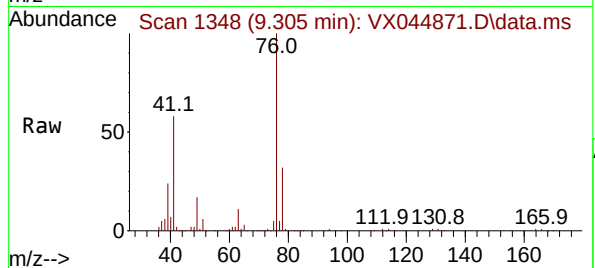
78 32.3 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#58

2-Chloroethyl Vinyl ether

Concen: 270.652 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044871.D

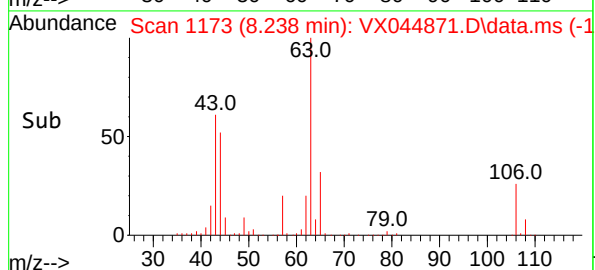
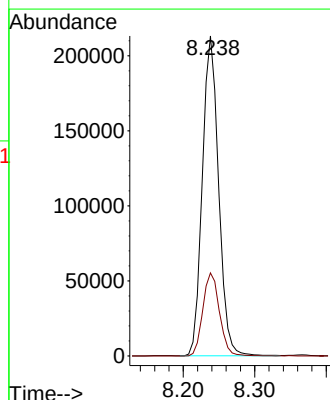
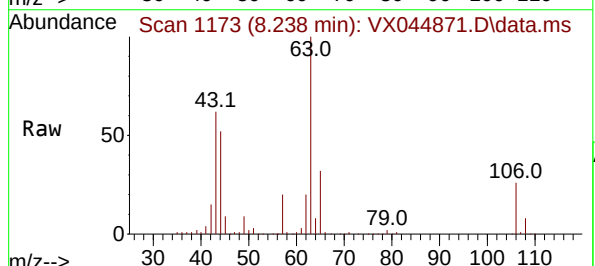
Acq: 10 Feb 2025 11:34

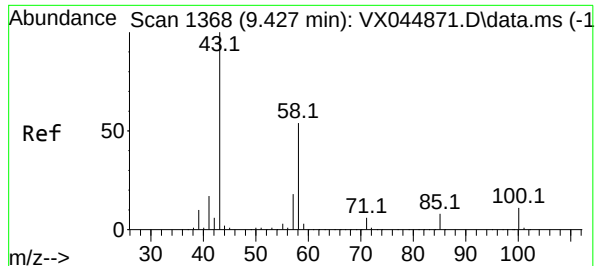
Tgt Ion: 63 Resp: 336412

Ion Ratio Lower Upper

63 100

106 26.6 21.3 31.9





#59

2-Hexanone

Concen: 273.800 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 47230

Ion Ratio Lower Upper

43 100

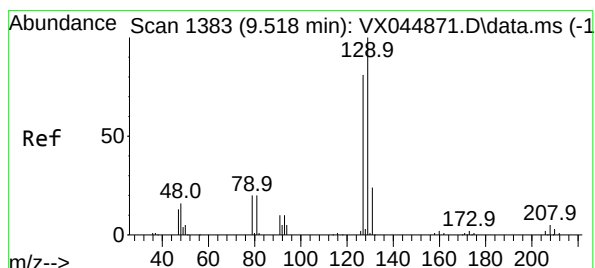
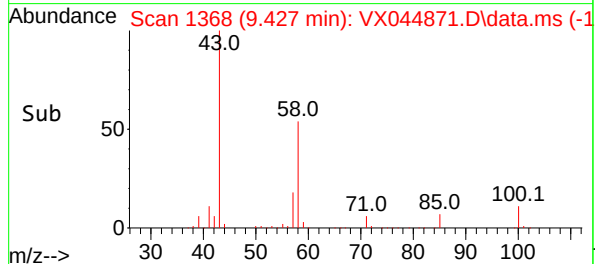
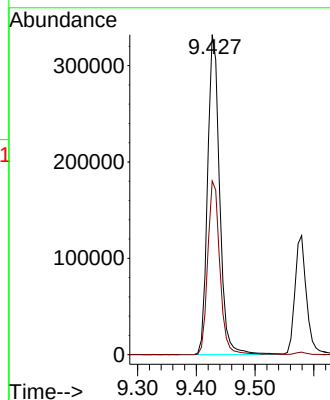
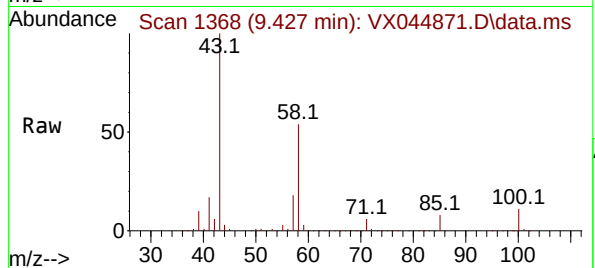
58 54.9 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#60

Dibromochloromethane

Concen: 52.045 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044871.D

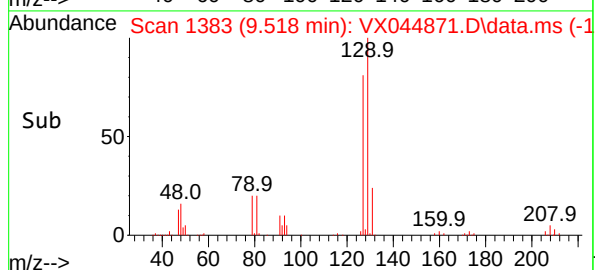
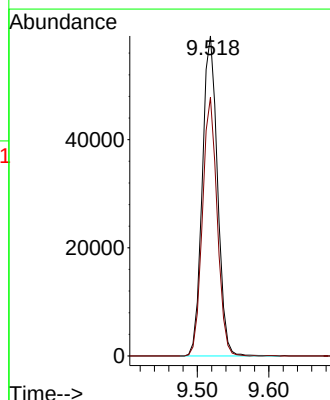
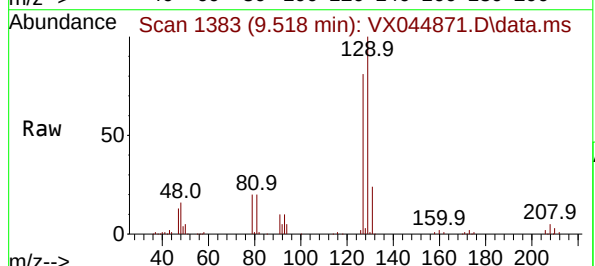
Acq: 10 Feb 2025 11:34

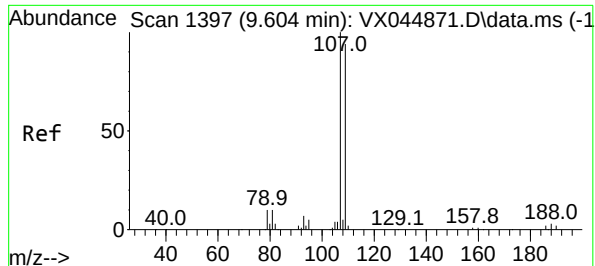
Tgt Ion:129 Resp: 87240

Ion Ratio Lower Upper

129 100

127 78.2 39.1 117.3





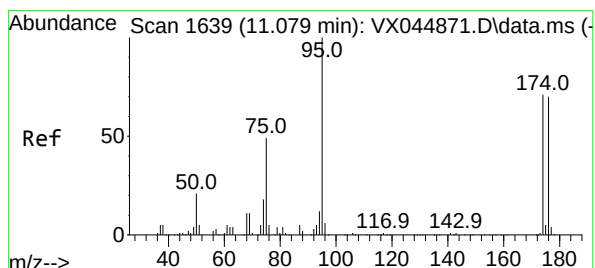
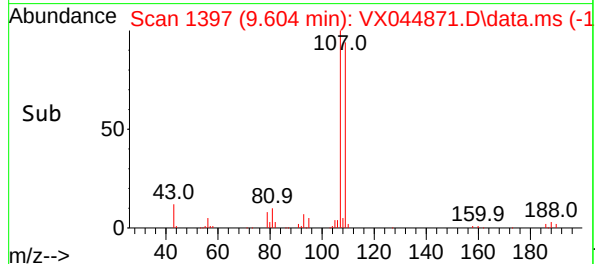
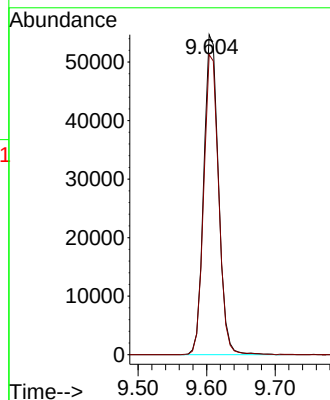
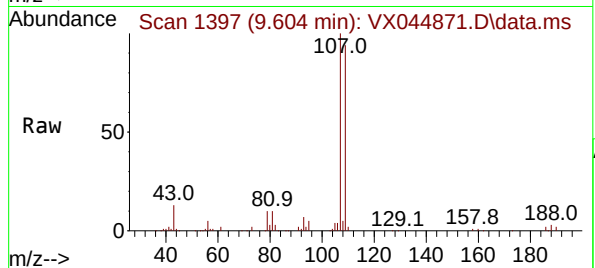
#61
1,2-Dibromoethane
Concen: 51.564 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 81915
Ion Ratio Lower Upper
107 100
109 94.9 75.9 113.9

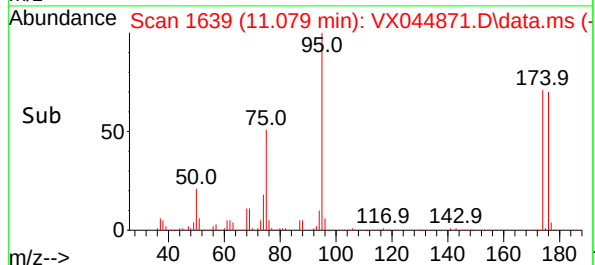
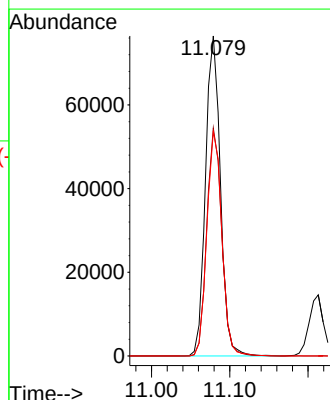
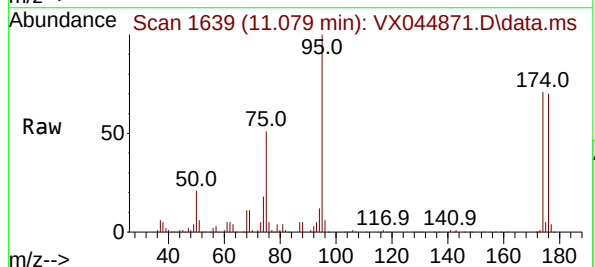
Manual Integrations
APPROVED

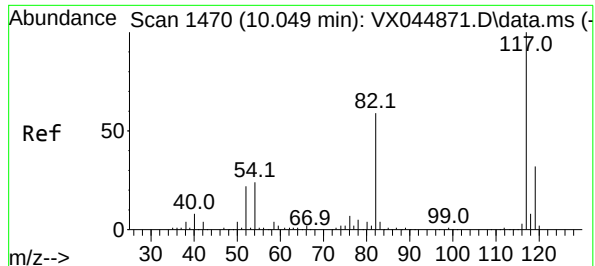
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#62
4-Bromofluorobenzene
Concen: 52.031 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 95 Resp: 100798
Ion Ratio Lower Upper
95 100
174 71.3 0.0 142.6
176 70.8 0.0 141.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

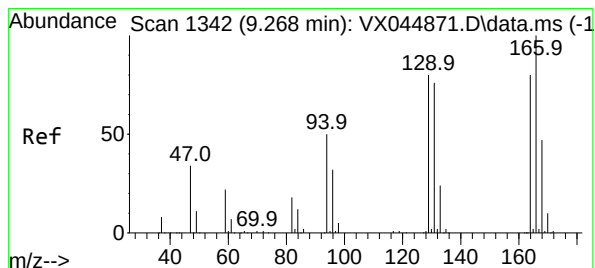
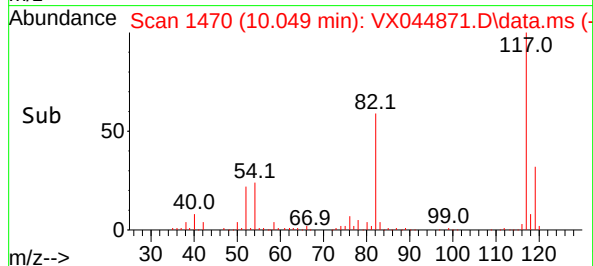
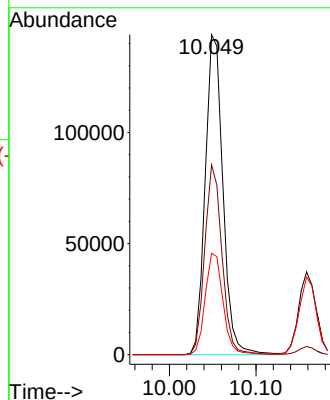
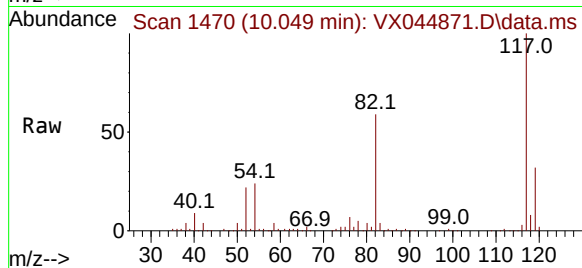
VSTDICCC050

Tgt Ion:	117	Resp:	20475
Ion	Ratio	Lower	Upper
117	100		
82	59.4	47.5	71.3
119	31.7	25.4	38.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#64

Tetrachloroethene

Concen: 49.206 ug/l

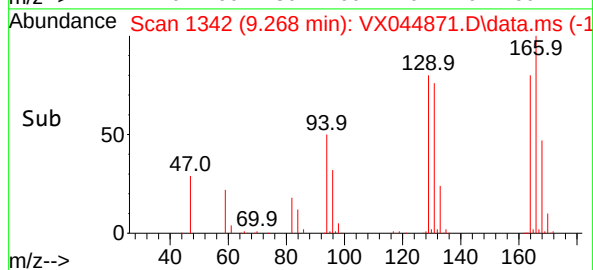
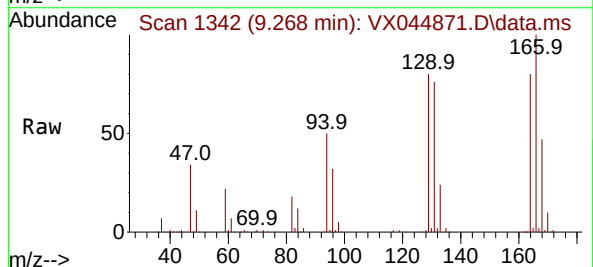
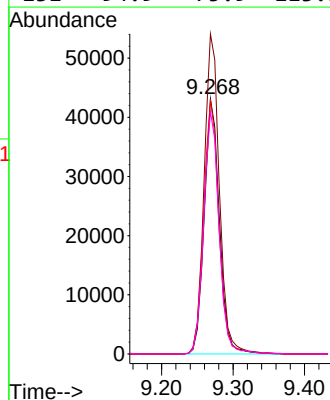
RT: 9.268 min Scan# 1342

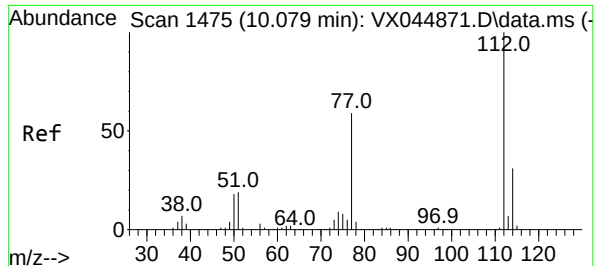
Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Tgt Ion:	164	Resp:	63537
Ion	Ratio	Lower	Upper
164	100		
166	125.5	100.4	150.6
129	99.9	79.9	119.9
131	94.9	75.9	113.9





#65

Chlorobenzene

Concen: 51.005 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:112 Resp: 224300

Ion Ratio Lower Upper

112 100

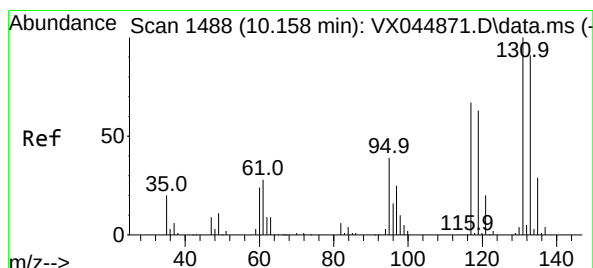
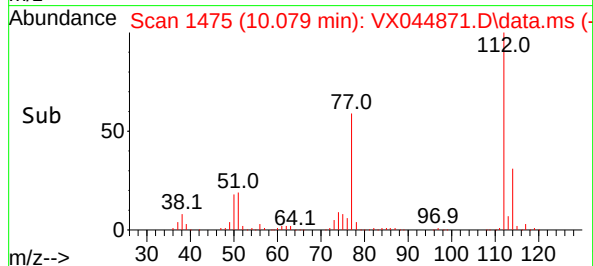
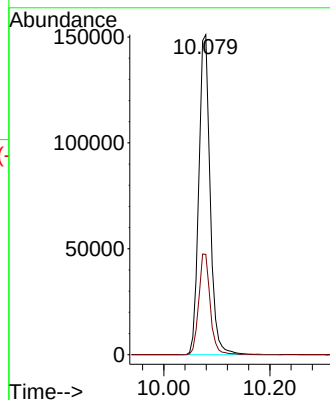
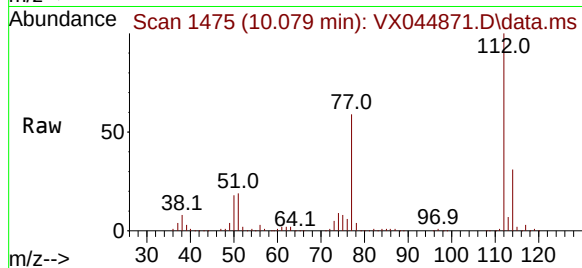
114 31.3 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 51.203 ug/l

RT: 10.158 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

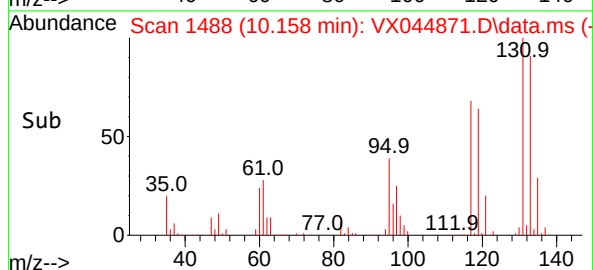
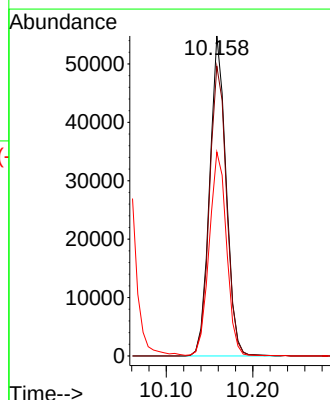
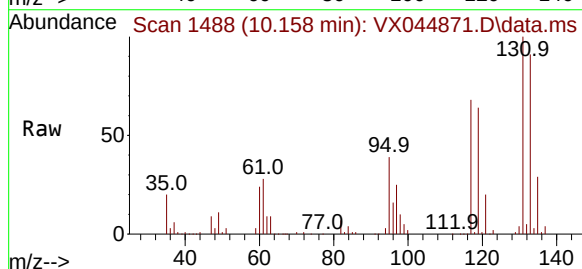
Tgt Ion:131 Resp: 72478

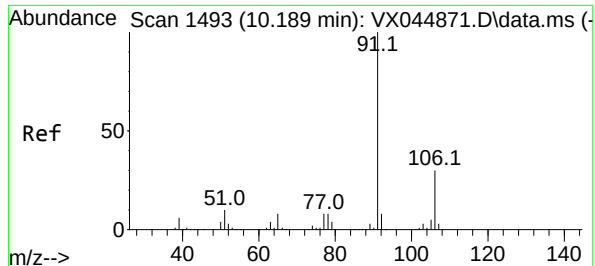
Ion Ratio Lower Upper

131 100

133 94.2 47.1 141.3

119 67.1 33.6 100.6





#67

Ethyl Benzene

Concen: 51.061 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 396269

Ion Ratio Lower Upper

91 100

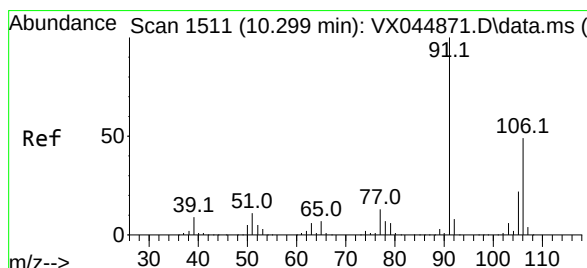
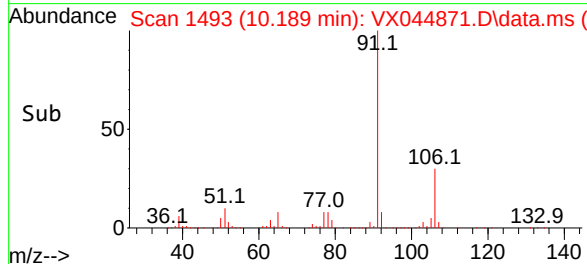
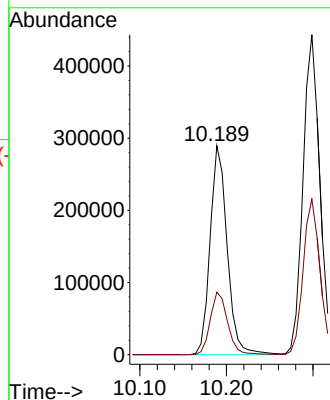
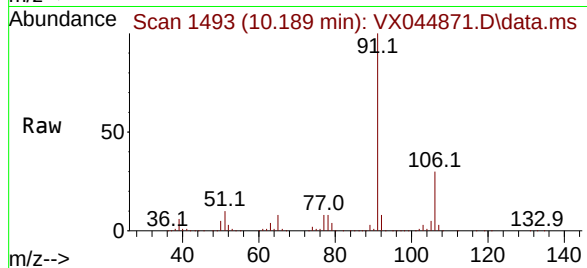
106 29.9 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#68

m/p-Xylenes

Concen: 103.573 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044871.D

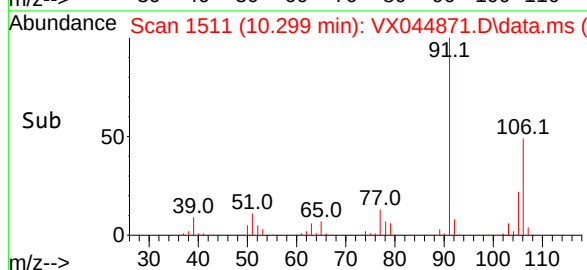
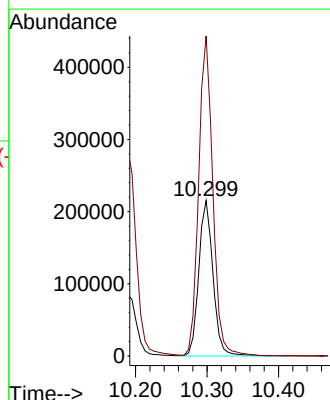
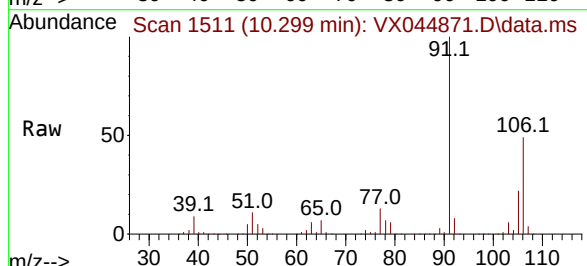
Acq: 10 Feb 2025 11:34

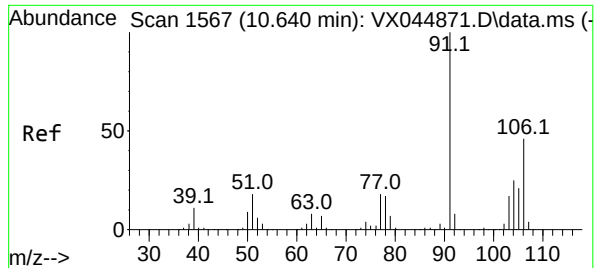
Tgt Ion:106 Resp: 296507

Ion Ratio Lower Upper

106 100

91 205.4 164.3 246.5





#69

o-Xylene

Concen: 50.409 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:106 Resp: 144802

Ion Ratio Lower Upper

106 100

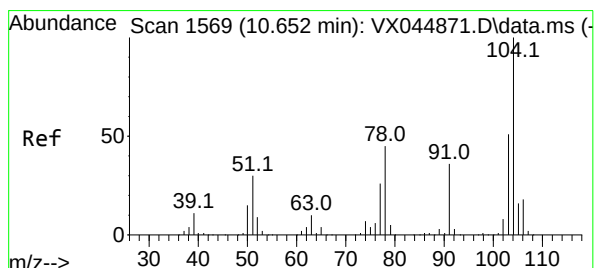
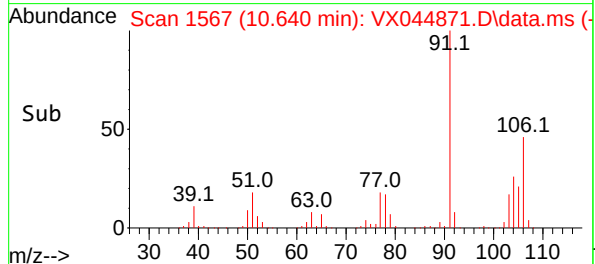
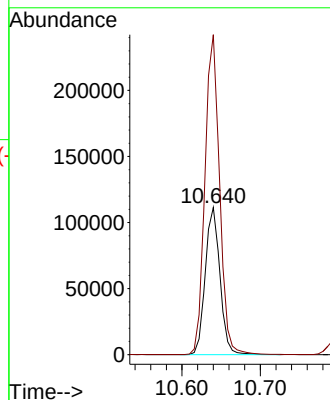
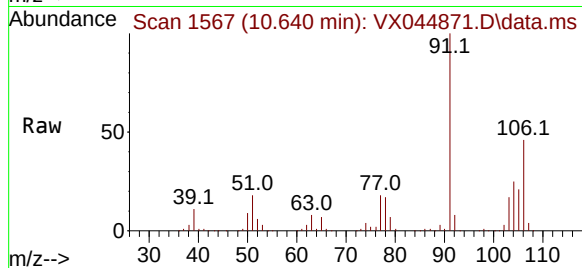
91 217.0 108.5 325.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#70

Styrene

Concen: 53.051 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

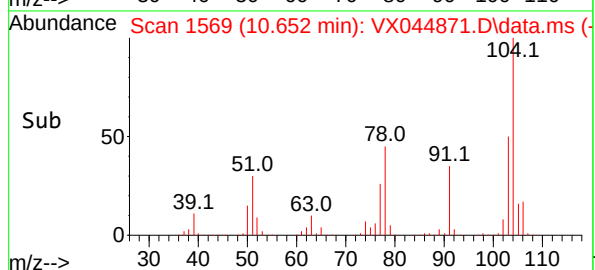
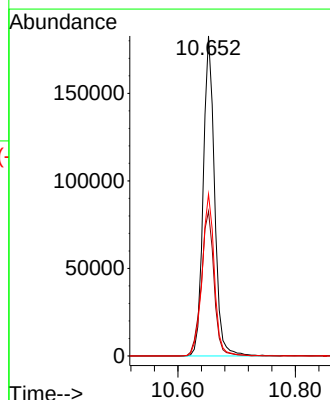
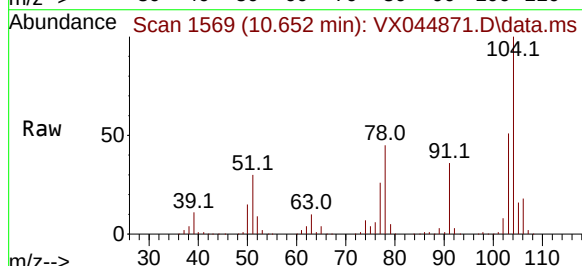
Tgt Ion:104 Resp: 245518

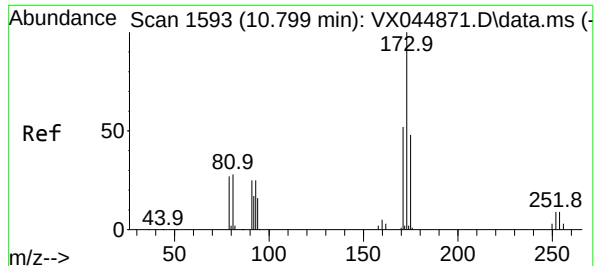
Ion Ratio Lower Upper

104 100

78 50.6 40.5 60.7

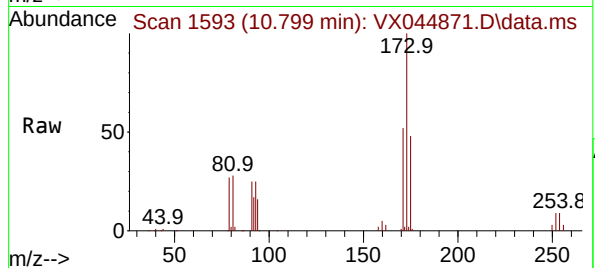
103 54.5 43.6 65.4





#71
Bromoform
Concen: 54.352 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

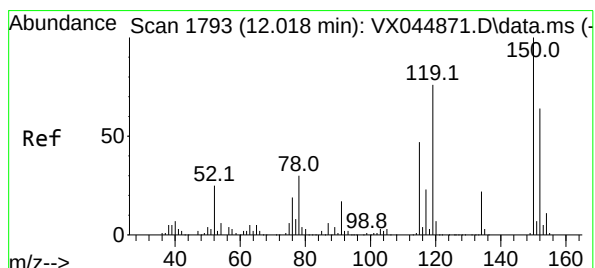
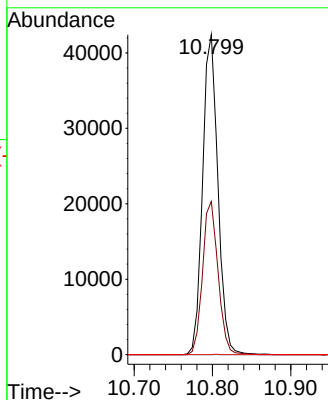
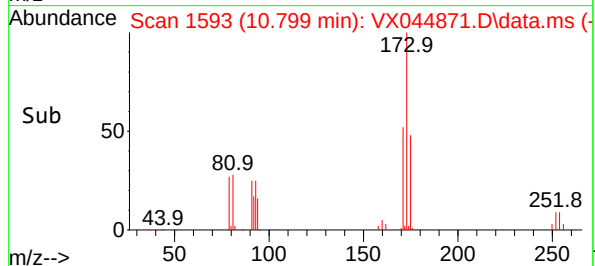
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:173 Resp: 5741
Ion Ratio Lower Upper
173 100
175 48.5 24.3 72.8
254 0.0 0.0 0.0

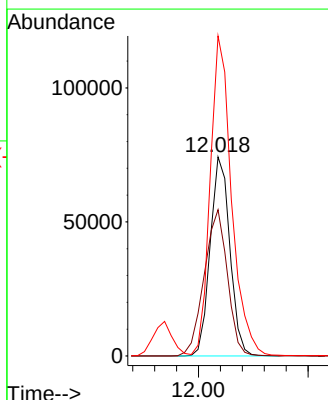
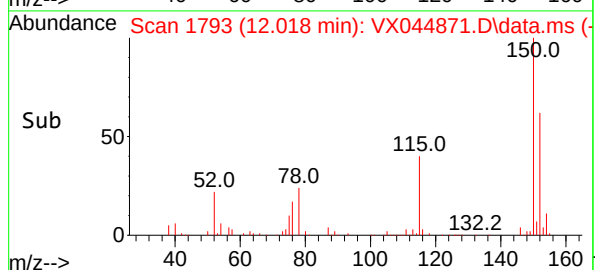
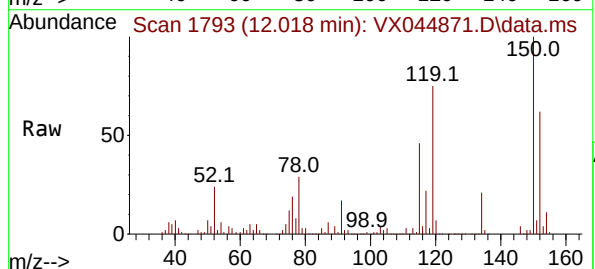
Manual Integrations
APPROVED

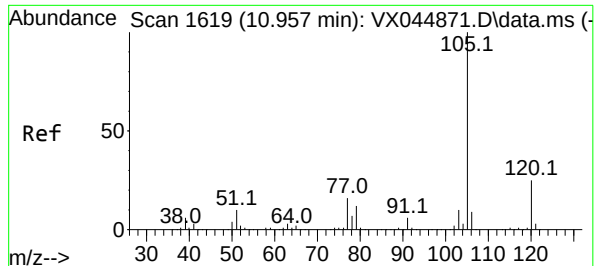
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:152 Resp: 92648
Ion Ratio Lower Upper
152 100
115 86.7 43.4 130.1
150 175.2 0.0 350.4





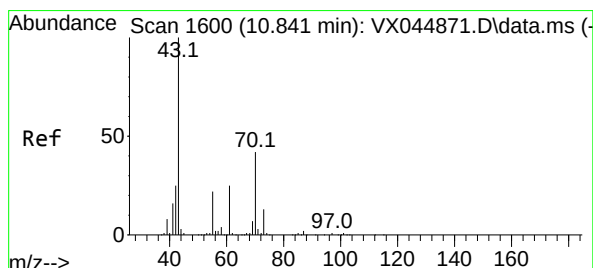
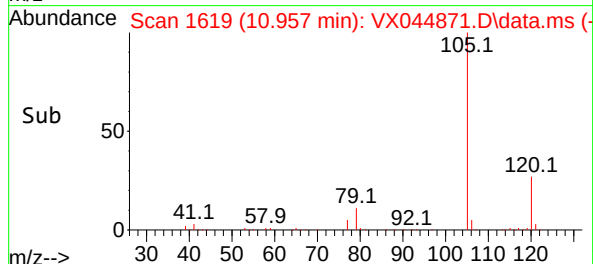
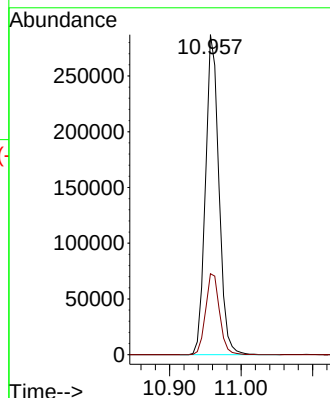
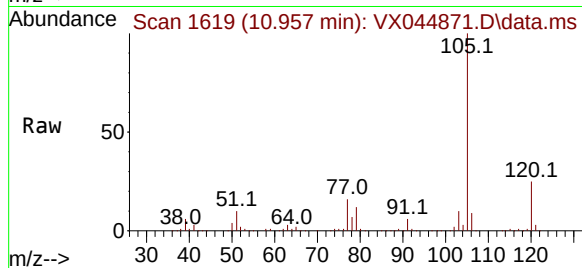
#73
Isopropylbenzene
Concen: 50.239 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 374770
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5

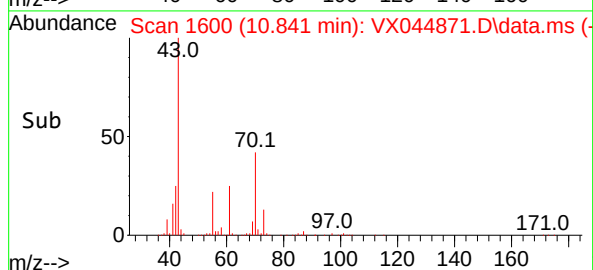
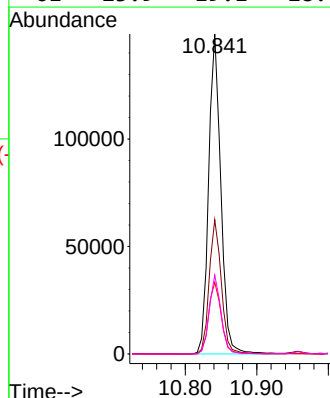
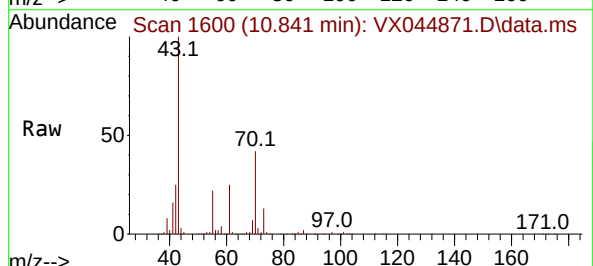
Manual Integrations
APPROVED

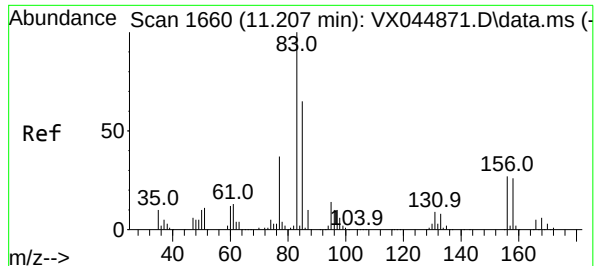
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#74
N-ethyl acetate
Concen: 52.189 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 176174
Ion Ratio Lower Upper
43 100
70 42.1 33.7 50.5
55 23.2 18.6 27.8
61 23.9 19.1 28.7





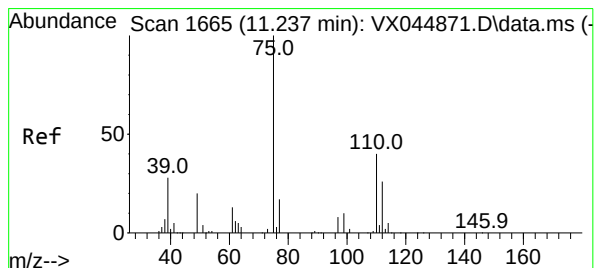
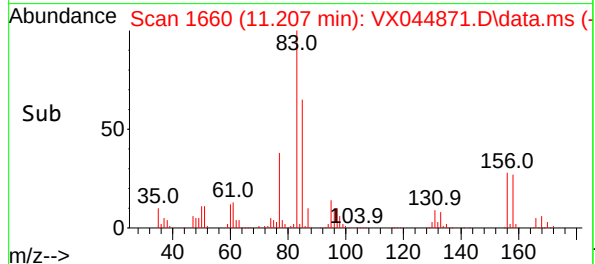
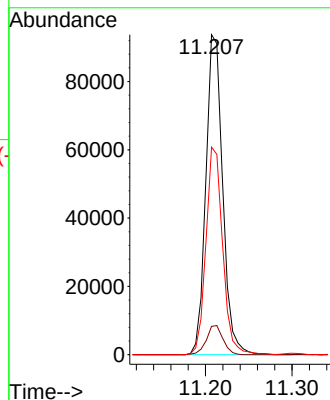
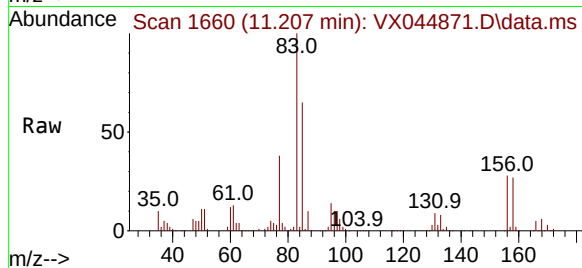
#75
1,1,2,2-Tetrachloroethane
Concen: 49.364 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 12654
Ion Ratio Lower Upper
83 100
131 9.0 4.5 13.5
85 64.5 32.3 96.8

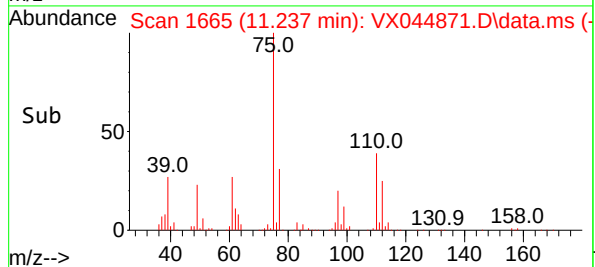
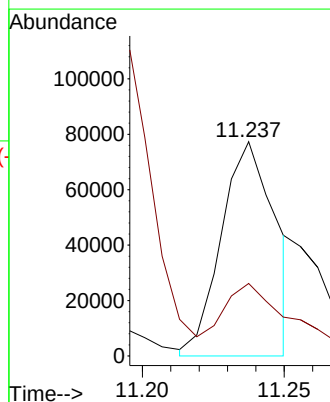
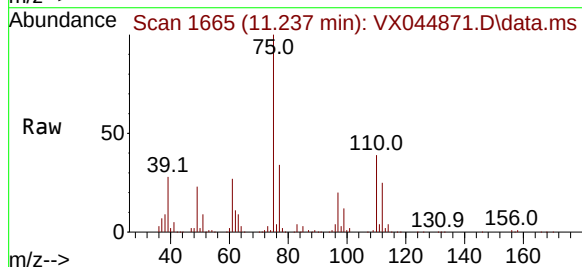
Manual Integrations
APPROVED

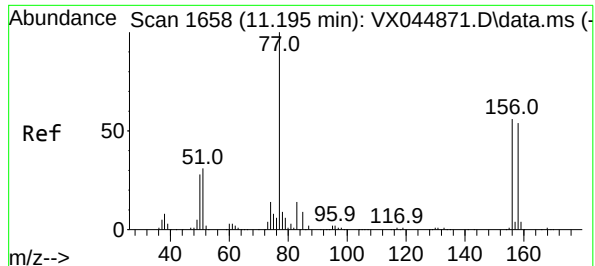
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#76
1,2,3-Trichloropropane
Concen: 49.903 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

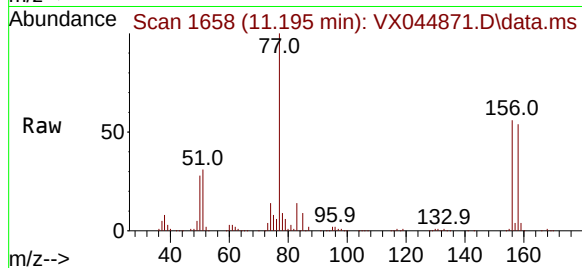
Tgt Ion: 75 Resp: 102508
Ion Ratio Lower Upper
75 100
77 43.8 21.9 65.7





#77
Bromobenzene
Concen: 49.931 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

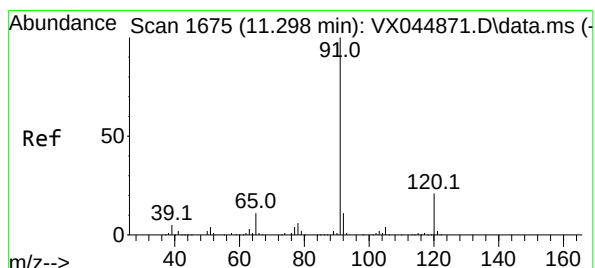
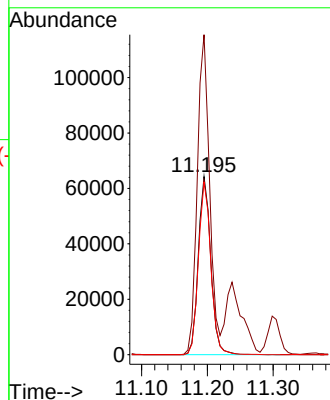
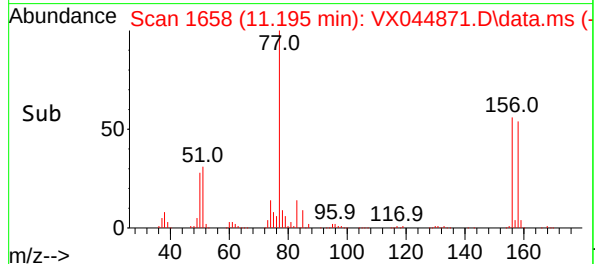
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



Tgt Ion:156 Resp: 84448
Ion Ratio Lower Upper
156 100
77 176.9 88.4 265.3
158 96.8 48.4 145.2

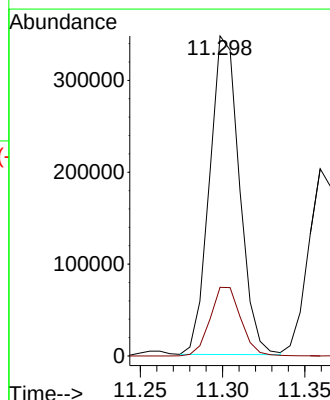
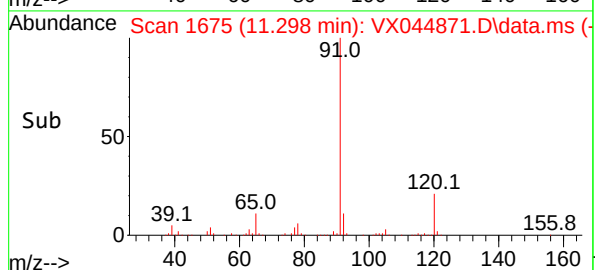
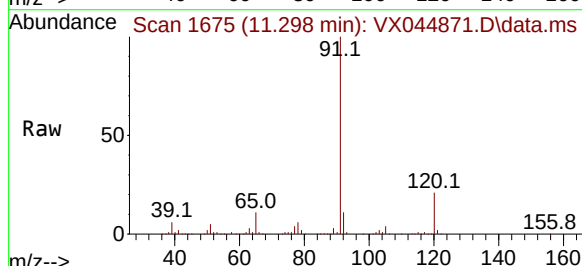
Manual Integrations
APPROVED

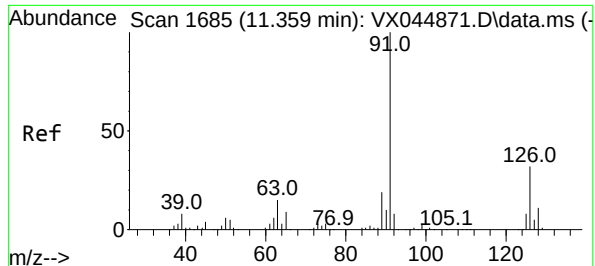
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#78
n-propylbenzene
Concen: 50.818 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 91 Resp: 437572
Ion Ratio Lower Upper
91 100
120 22.2 11.1 33.3





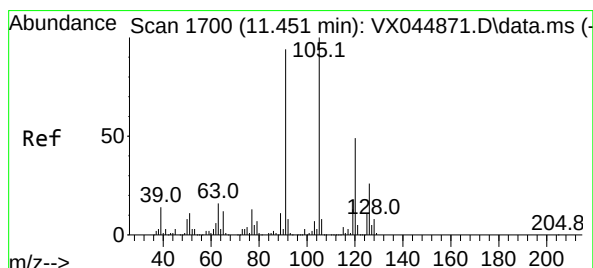
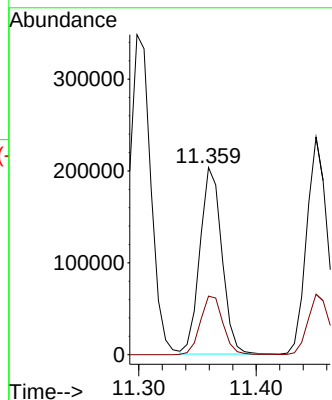
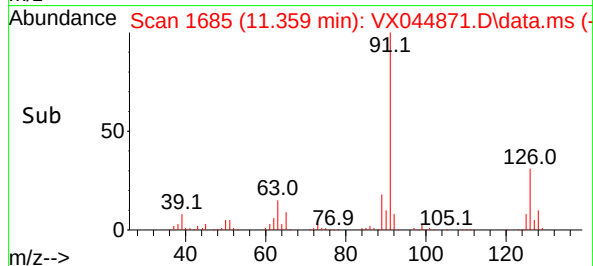
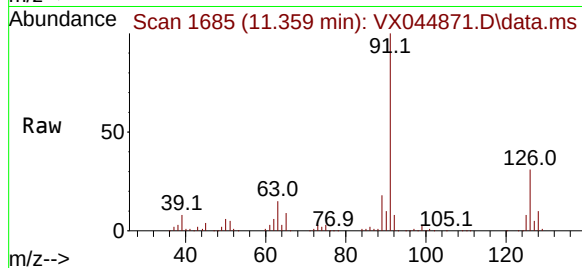
#79
2-Chlorotoluene
Concen: 49.749 ug/l
RT: 11.359 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 263269
Ion Ratio Lower Upper
91 100
126 32.4 16.2 48.6

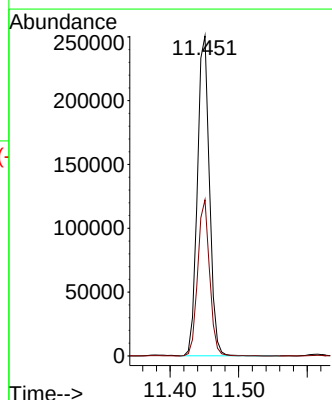
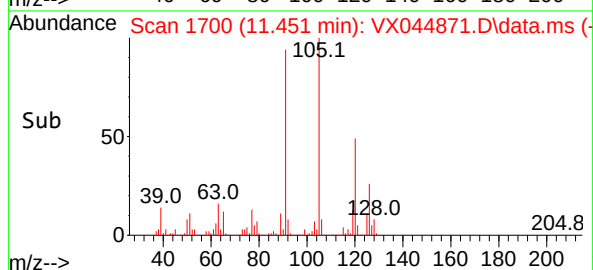
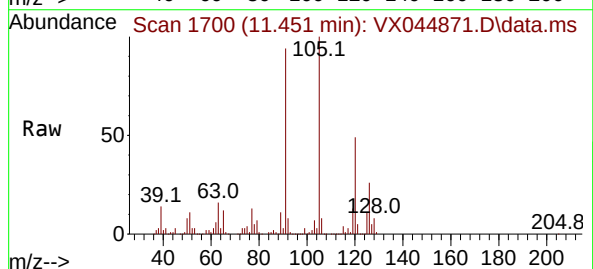
Manual Integrations
APPROVED

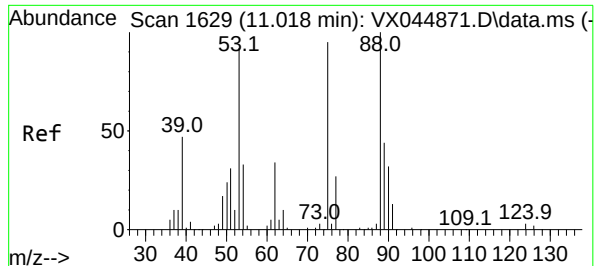
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#80
1,3,5-Trimethylbenzene
Concen: 50.789 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:105 Resp: 307465
Ion Ratio Lower Upper
105 100
120 48.0 24.0 72.0





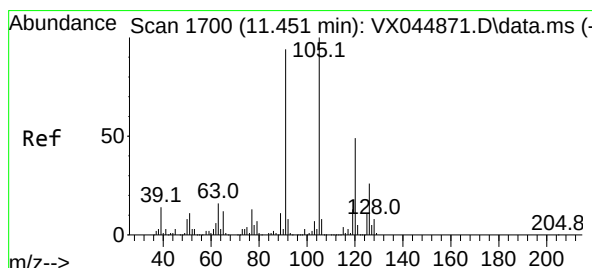
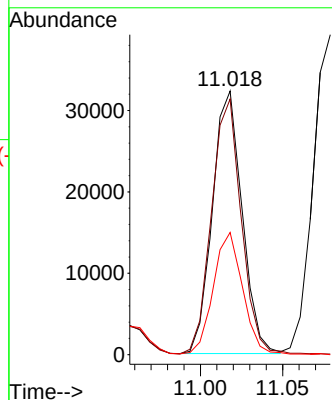
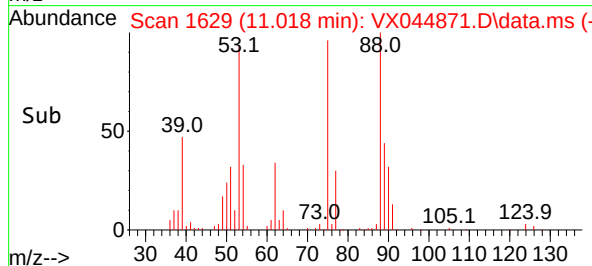
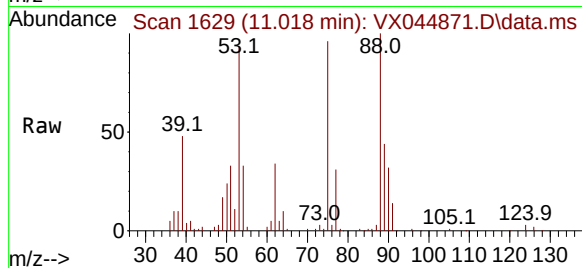
#81
trans-1,4-Dichloro-2-butene
Concen: 50.701 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 4048
Ion Ratio Lower Upper
75 100
53 97.5 78.0 117.0
89 45.7 36.6 54.8

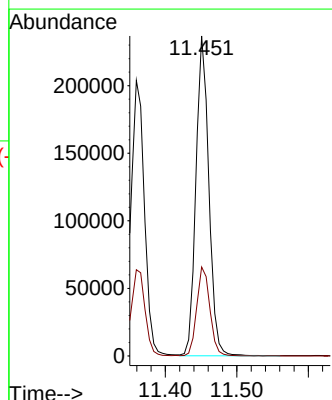
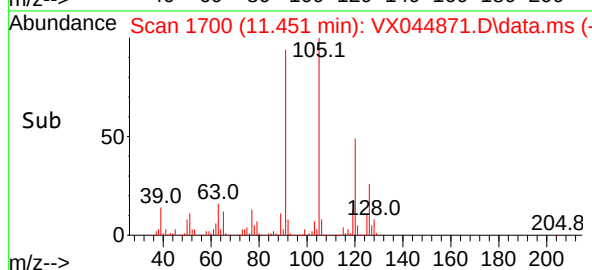
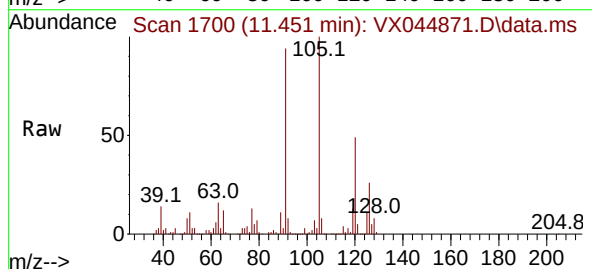
Manual Integrations
APPROVED

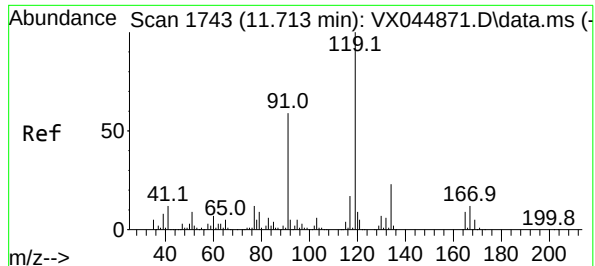
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#82
4-Chlorotoluene
Concen: 50.531 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 91 Resp: 295844
Ion Ratio Lower Upper
91 100
126 28.4 14.2 42.6





#83

tert-Butylbenzene

Concen: 50.102 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:119 Resp: 306830

Ion Ratio Lower Upper

119 100

91 58.3 29.1 87.4

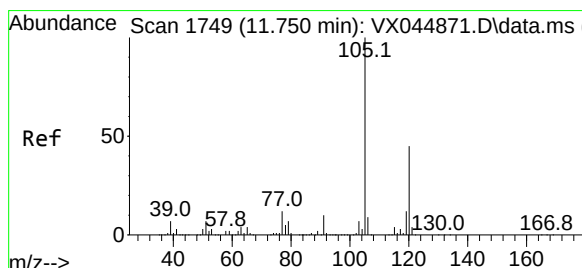
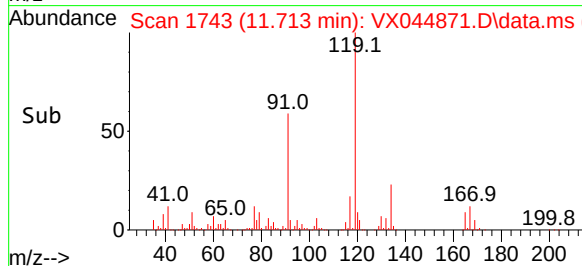
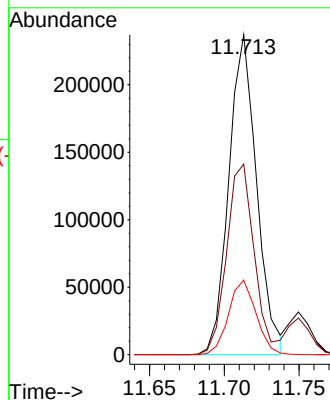
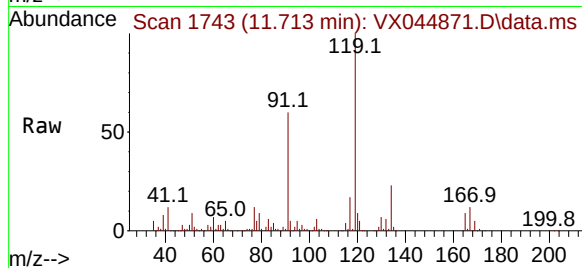
134 23.0 11.5 34.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#84

1,2,4-Trimethylbenzene

Concen: 52.085 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044871.D

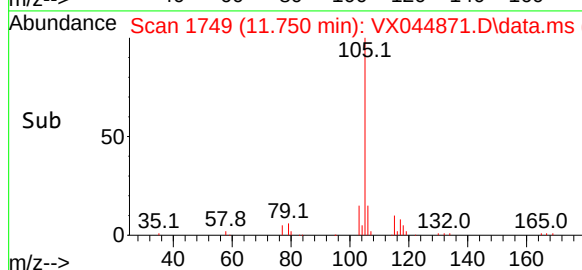
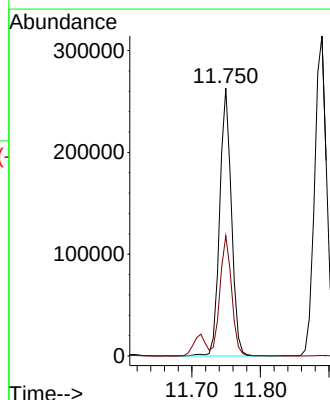
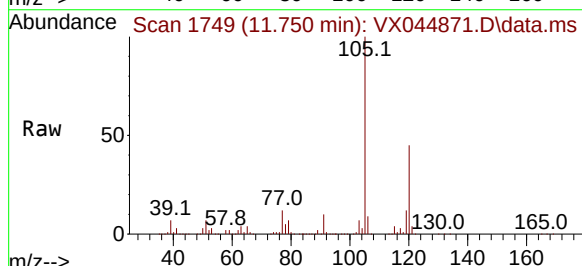
Acq: 10 Feb 2025 11:34

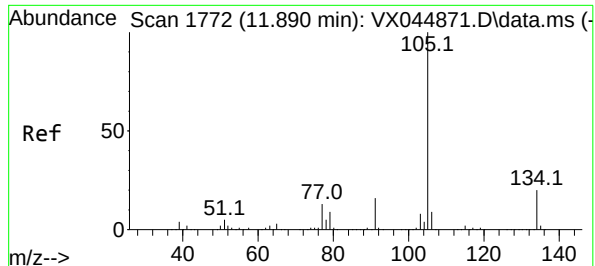
Tgt Ion:105 Resp: 311205

Ion Ratio Lower Upper

105 100

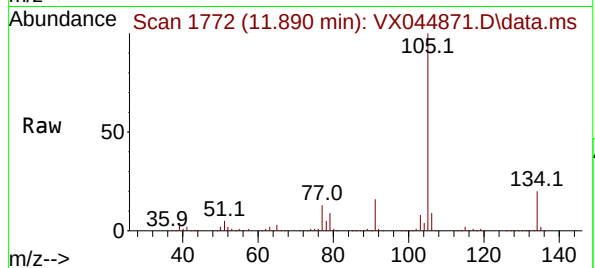
120 44.7 22.4 67.0





#85
sec-Butylbenzene
Concen: 50.657 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

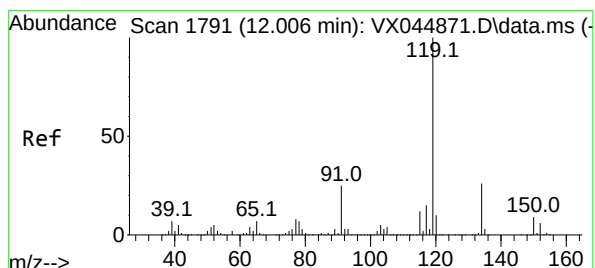
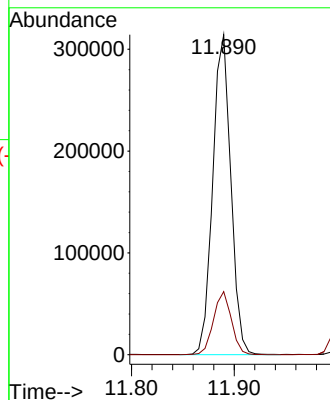
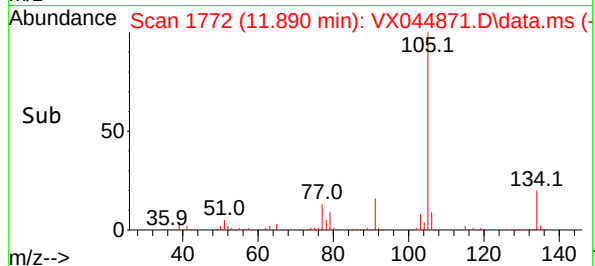
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



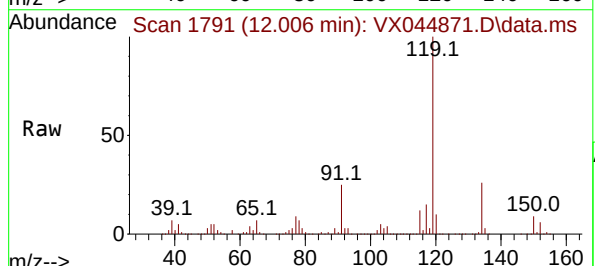
Tgt Ion:105 Resp: 38415
Ion Ratio Lower Upper
105 100
134 19.5 9.8 29.3

Manual Integrations
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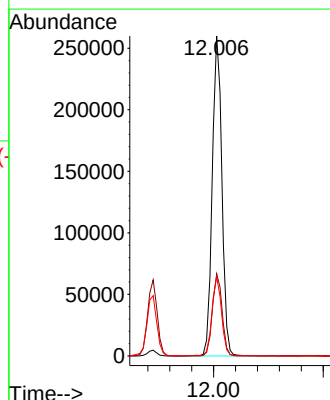
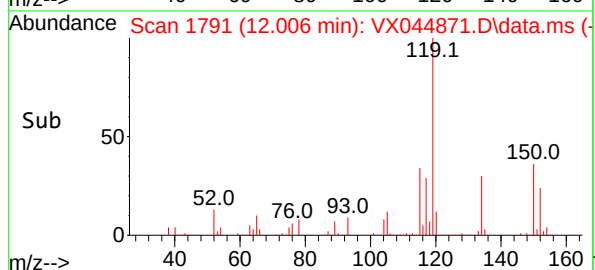
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

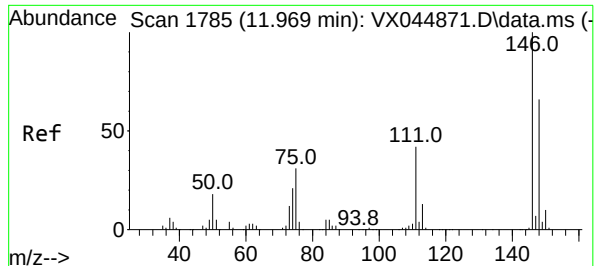


#86
p-Isopropyltoluene
Concen: 51.689 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34



Tgt Ion:119 Resp: 315226
Ion Ratio Lower Upper
119 100
134 25.9 13.0 38.9
91 24.2 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 50.021 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 155579

Ion Ratio Lower Upper

146 100

111 42.4 21.2 63.6

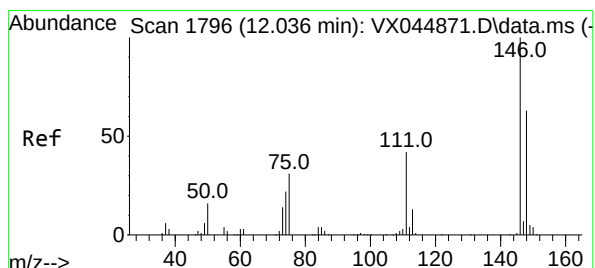
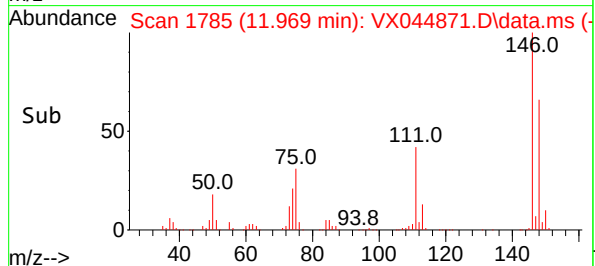
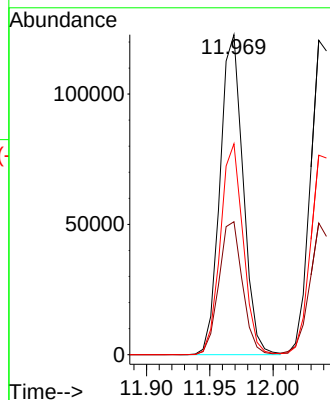
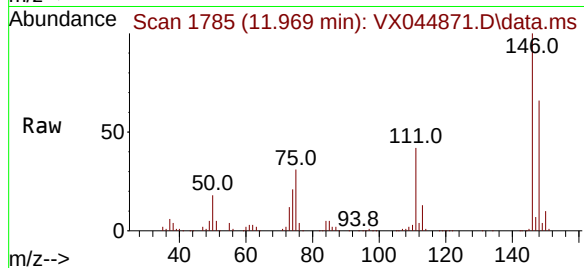
148 65.0 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#88

1,4-Dichlorobenzene

Concen: 49.657 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

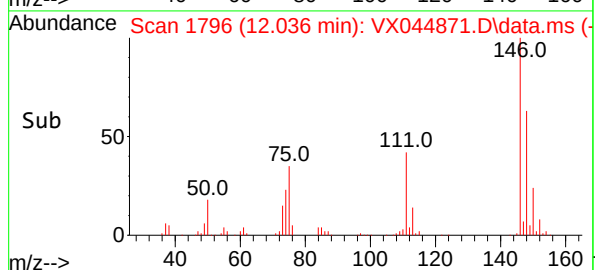
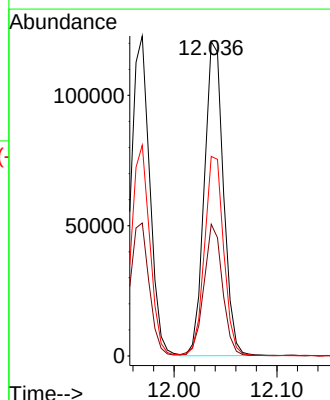
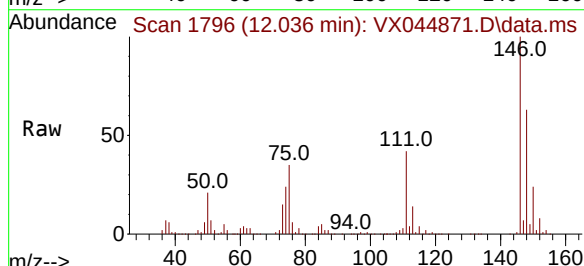
Tgt Ion:146 Resp: 156162

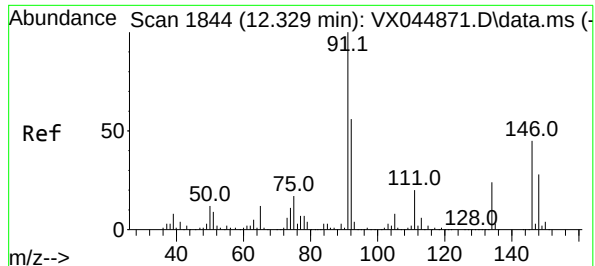
Ion Ratio Lower Upper

146 100

111 40.9 20.4 61.3

148 64.0 32.0 96.0





#89

n-Butylbenzene

Concen: 53.315 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 287649

Ion Ratio Lower Upper

91 100

92 54.4 27.2 81.6

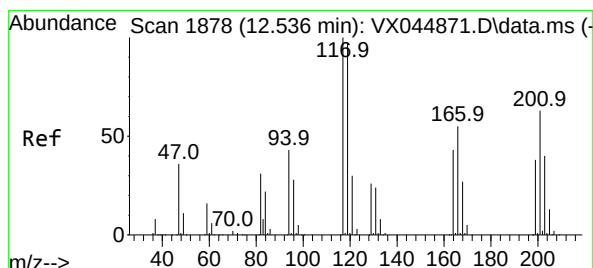
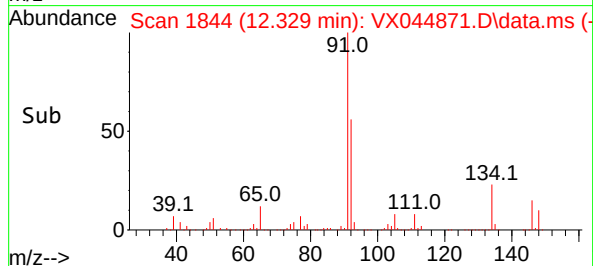
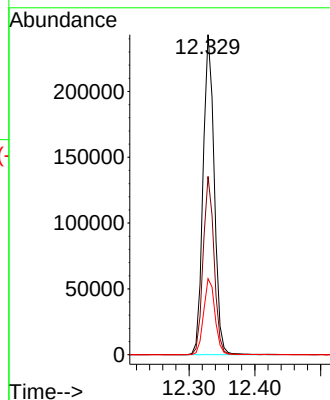
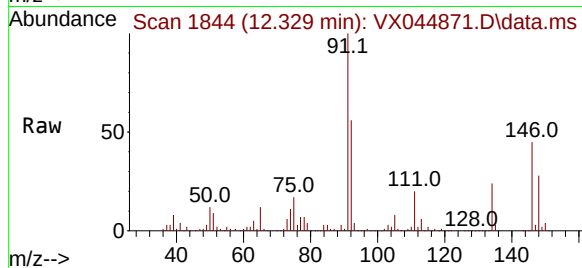
134 24.2 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#90

Hexachloroethane

Concen: 49.874 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044871.D

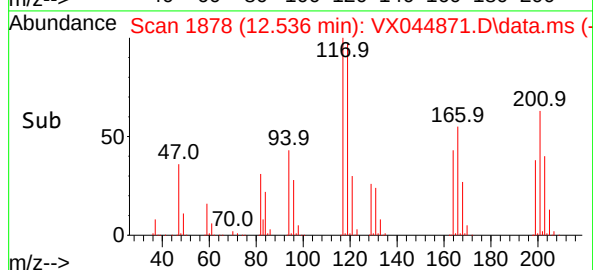
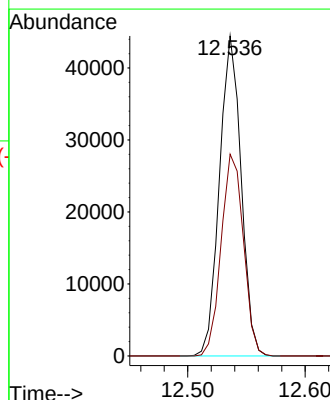
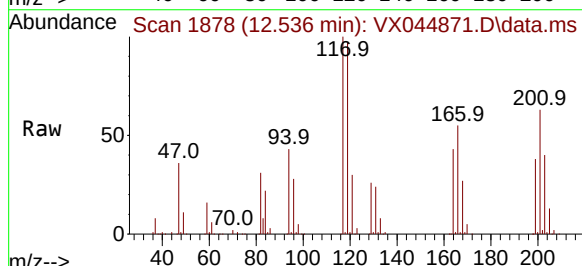
Acq: 10 Feb 2025 11:34

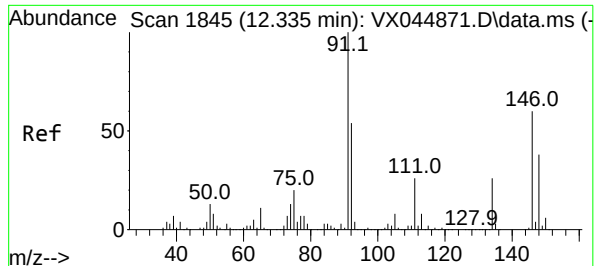
Tgt Ion:117 Resp: 56951

Ion Ratio Lower Upper

117 100

201 65.0 32.5 97.5





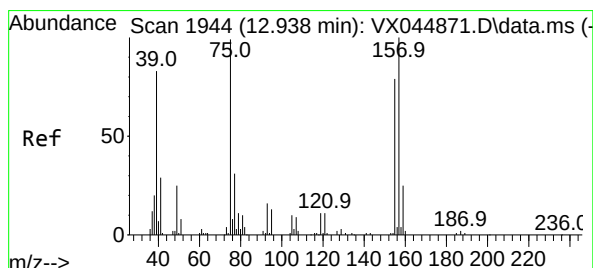
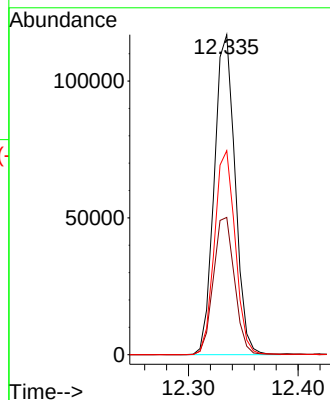
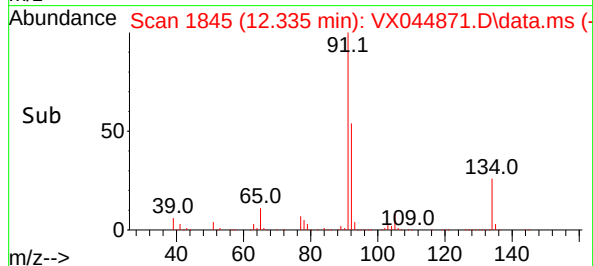
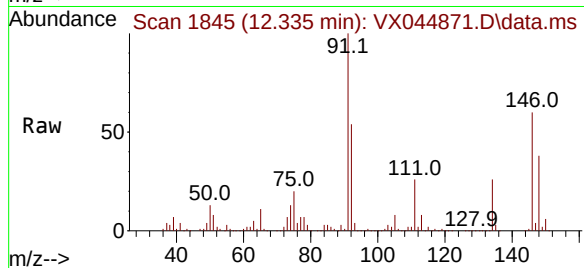
#91
1,2-Dichlorobenzene
Concen: 50.500 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 154364
Ion Ratio Lower Upper
146 100
111 43.6 21.8 65.4
148 63.9 31.9 95.9

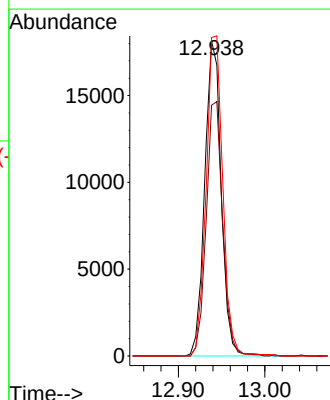
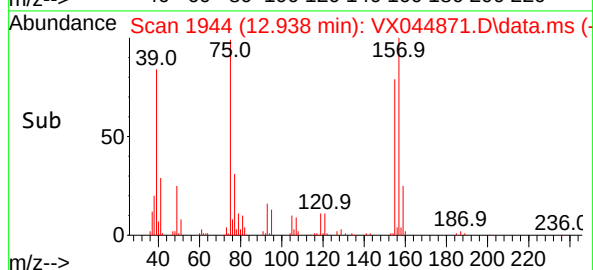
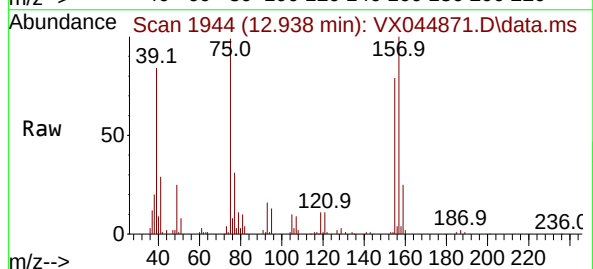
Manual Integrations
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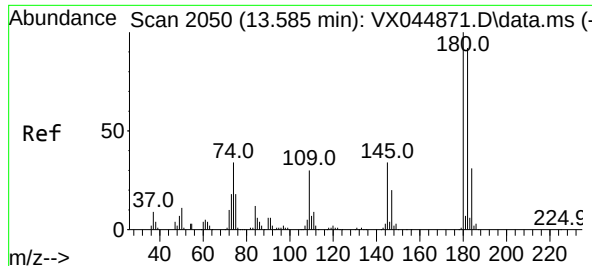
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 51.135 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 23924
Ion Ratio Lower Upper
75 100
155 80.9 40.5 121.4
157 102.9 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 50.747 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion:180 Resp: 9386

Ion Ratio Lower Upper

180 100

182 95.2 47.6 142.8

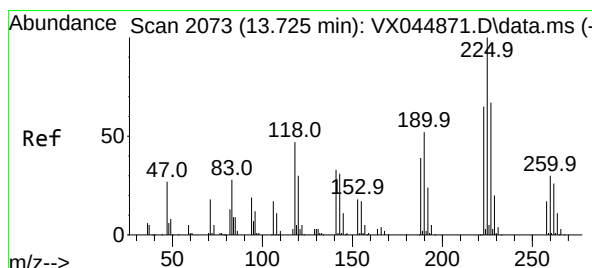
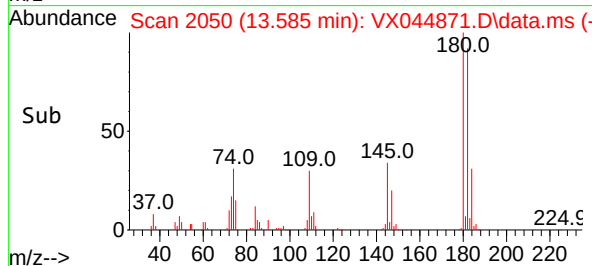
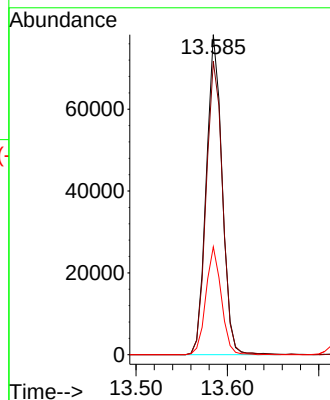
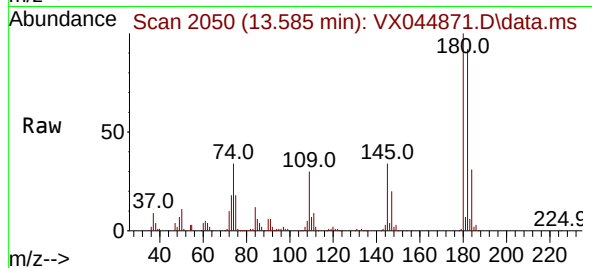
145 32.7 16.4 49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#94

Hexachlorobutadiene

Concen: 48.321 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

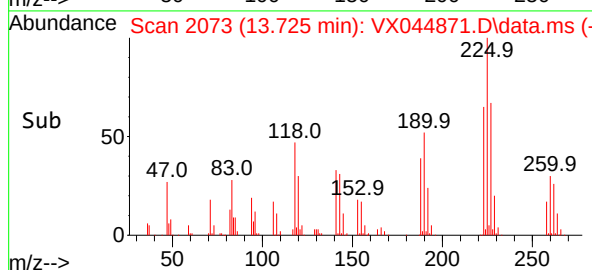
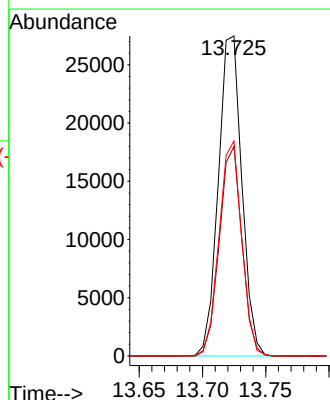
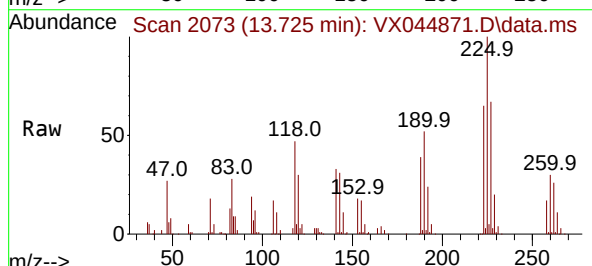
Tgt Ion:225 Resp: 35481

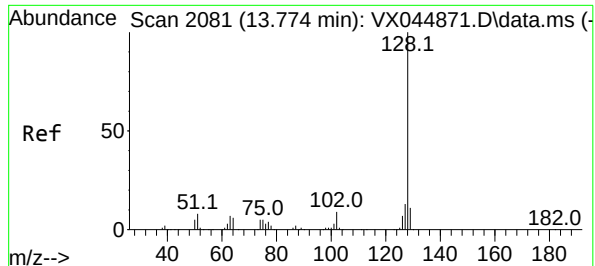
Ion Ratio Lower Upper

225 100

223 62.8 31.4 94.2

227 64.5 32.3 96.8





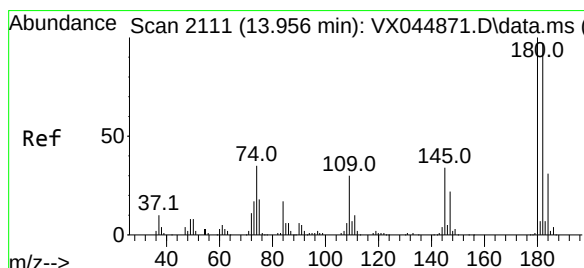
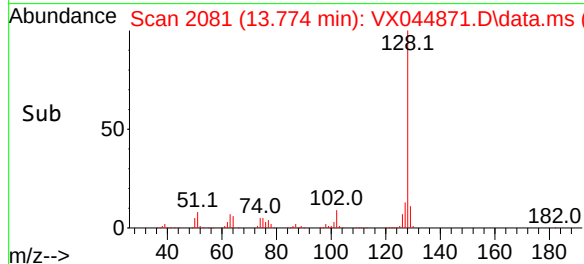
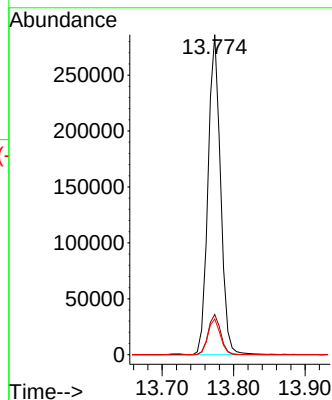
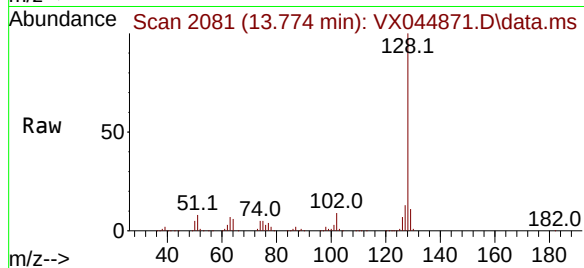
#95
Naphthalene
Concen: 51.995 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 34764
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 11.1 8.9 13.3

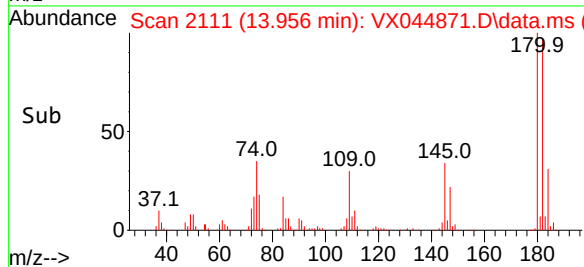
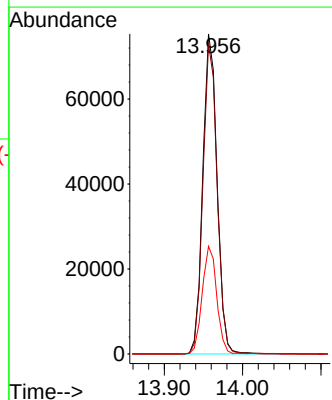
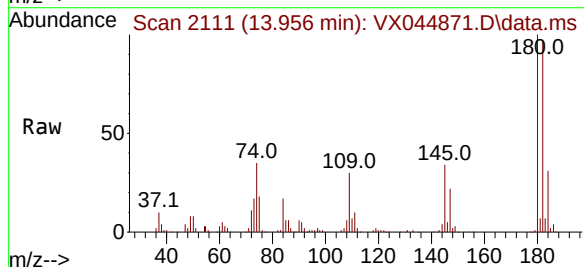
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.245 ug/l
RT: 13.956 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:180 Resp: 95510
Ion Ratio Lower Upper
180 100
182 95.7 47.9 143.6
145 34.2 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044872.D
 Acq On : 10 Feb 2025 12:05
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Feb 11 02:01:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	129508	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	236372	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	203881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	91371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	183093	96.580	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 193.160%#			
35) Dibromofluoromethane	5.373	113	151228	98.404	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 196.800%#			
50) Toluene-d8	8.647	98	570976	98.253	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 196.500%#			
62) 4-Bromofluorobenzene	11.079	95	196066	100.079	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 200.160%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	182788	100.632	ug/l	99
3) Chloromethane	1.301	50	208416	94.275	ug/l	99
4) Vinyl Chloride	1.374	62	209017	97.593	ug/l	100
5) Bromomethane	1.593	94	62797	97.984	ug/l	97
6) Chloroethane	1.660	64	64581	100.253	ug/l	98
7) Trichlorofluoromethane	1.868	101	262354	96.865	ug/l	99
8) Diethyl Ether	2.130	74	95914	97.647	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	163414	99.860	ug/l	100
10) Methyl Iodide	2.441	142	212118	100.016	ug/l	99
11) Tert butyl alcohol	3.002	59	165263	469.903	ug/l #	73
12) 1,1-Dichloroethene	2.307	96	163593	98.004	ug/l	98
13) Acrolein	2.233	56	180570	497.628	ug/l	99
14) Allyl chloride	2.654	41	297526	98.624	ug/l	98
15) Acrylonitrile	3.063	53	466855	497.173	ug/l	99
16) Acetone	2.386	43	369720	485.125	ug/l	99
17) Carbon Disulfide	2.502	76	463308	101.216	ug/l	99
18) Methyl Acetate	2.703	43	238689	99.249	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	521003	98.098	ug/l	100
20) Methylene Chloride	2.782	84	180120	96.490	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	164067	99.864	ug/l	95
22) Diisopropyl ether	3.758	45	565927	99.157	ug/l	95
23) Vinyl Acetate	3.715	43	2387200	513.051	ug/l	100
24) 1,1-Dichloroethane	3.599	63	313164	98.064	ug/l	99
25) 2-Butanone	4.550	43	617283	498.801	ug/l	98
26) 2,2-Dichloropropane	4.465	77	248324	98.053	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	196381	99.513	ug/l	99
28) Bromochloromethane	4.885	49	148137	96.524	ug/l	100
29) Tetrahydrofuran	4.995	42	405208	493.104	ug/l	100
30) Chloroform	5.087	83	298690	96.445	ug/l	99
31) Cyclohexane	5.458	56	286830	97.426	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	254941	97.050	ug/l	100
36) 1,1-Dichloropropene	5.684	75	216005	97.422	ug/l	100
37) Ethyl Acetate	4.709	43	244164	99.005	ug/l	99
38) Carbon Tetrachloride	5.666	117	210381	96.828	ug/l	97
39) Methylcyclohexane	7.373	83	299703	104.554	ug/l	98
40) Benzene	6.025	78	675556	97.576	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044872.D
 Acq On : 10 Feb 2025 12:05
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Feb 11 02:01:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	135629	102.745	ug/l	99
42) 1,2-Dichloroethane	6.080	62	218174	98.875	ug/l	100
43) Isopropyl Acetate	6.336	43	405489	101.818	ug/l	100
44) Trichloroethene	7.117	130	156832	99.103	ug/l	96
45) 1,2-Dichloropropane	7.422	63	170337	98.893	ug/l	97
46) Dibromomethane	7.574	93	119149	99.747	ug/l	100
47) Bromodichloromethane	7.818	83	236506	102.254	ug/l	97
48) Methyl methacrylate	7.690	41	195892	104.321	ug/l	100
49) 1,4-Dioxane	7.659	88	77816	1931.508	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	1196887	494.353	ug/l	100
52) Toluene	8.714	92	409318	99.270	ug/l	99
53) t-1,3-Dichloropropene	8.970	75	249725	106.694	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	277371	106.287	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	156629	98.817	ug/l	100
56) Ethyl methacrylate	9.116	69	268693	104.958	ug/l	99
57) 1,3-Dichloropropane	9.305	76	273845	98.742	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	664198	528.405	ug/l	100
59) 2-Hexanone	9.427	43	871904	499.819	ug/l	99
60) Dibromochloromethane	9.519	129	173848	102.557	ug/l	100
61) 1,2-Dibromoethane	9.604	107	162982	101.451	ug/l	98
64) Tetrachloroethene	9.269	164	125294	97.447	ug/l	100
65) Chlorobenzene	10.073	112	436565	99.694	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	144793	102.728	ug/l	100
67) Ethyl Benzene	10.189	91	784184	101.477	ug/l	100
68) m/p-Xylenes	10.299	106	575559	201.907	ug/l	99
69) o-Xylene	10.640	106	281830	98.530	ug/l	100
70) Styrene	10.653	104	473403	102.728	ug/l	99
71) Bromoform	10.799	173	112371	106.827	ug/l #	99
73) Isopropylbenzene	10.957	105	719923	97.854	ug/l	99
74) N-amyl acetate	10.842	43	345193	103.687	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	238529	94.351	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	198320m	97.896	ug/l	
77) Bromobenzene	11.195	156	163845	98.230	ug/l	100
78) n-propylbenzene	11.299	91	858793	101.132	ug/l	100
79) 2-Chlorotoluene	11.360	91	497149	95.257	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	584885	97.966	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	83483	106.006	ug/l	98
82) 4-Chlorotoluene	11.451	91	569510	98.634	ug/l	100
83) tert-Butylbenzene	11.713	119	591396	97.917	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	588385	99.851	ug/l	99
85) sec-Butylbenzene	11.890	105	749534	100.219	ug/l	99
86) p-Isopropyltoluene	12.006	119	607577	101.019	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	303851	99.061	ug/l	98
88) 1,4-Dichlorobenzene	12.037	146	303417	97.830	ug/l	99
89) n-Butylbenzene	12.329	91	583634	109.686	ug/l	100
90) Hexachloroethane	12.536	117	117533	104.365	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	293151	97.244	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	47745	103.477	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	193214	105.921	ug/l	99
94) Hexachlorobutadiene	13.725	225	74605	103.024	ug/l	99
95) Naphthalene	13.774	128	689104	104.505	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	190534	103.659	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

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

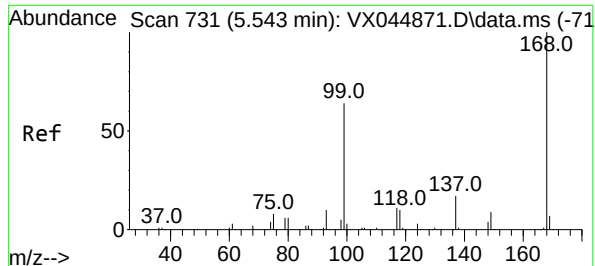
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025





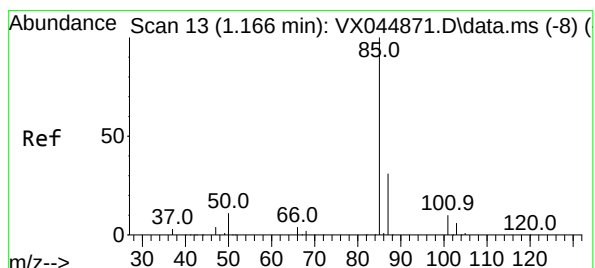
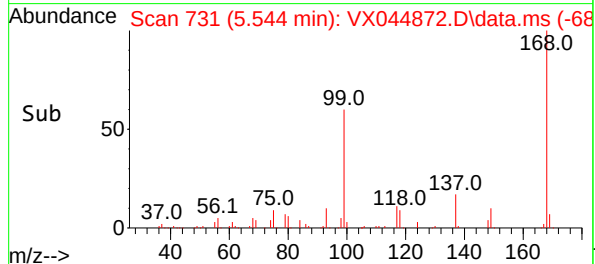
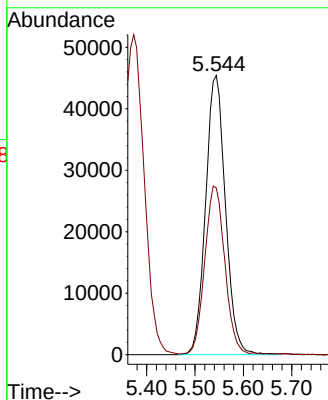
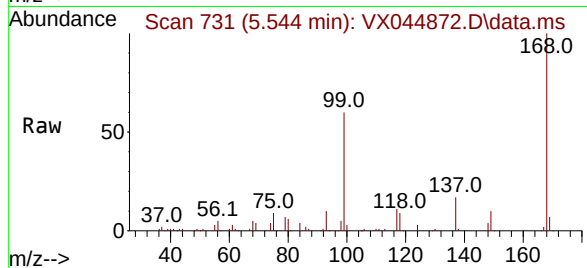
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 129508
Ion Ratio Lower Upper
168 100
99 59.4 51.2 76.8

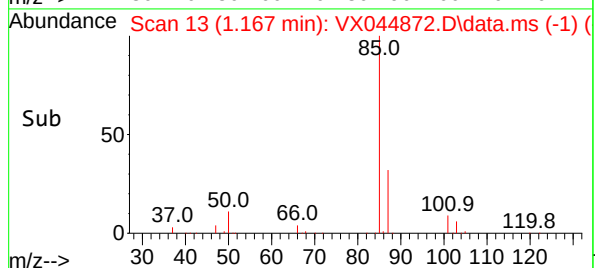
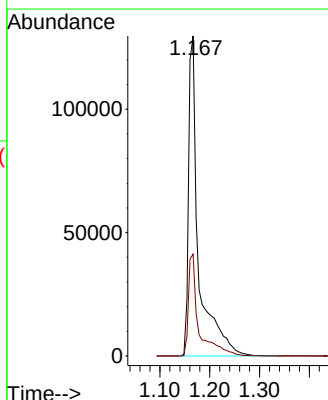
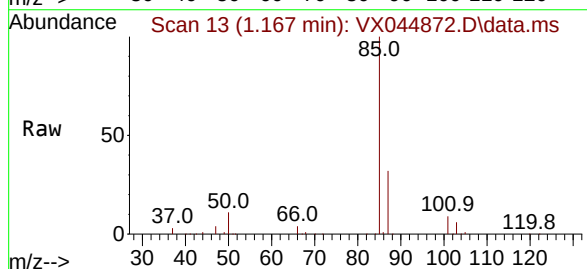
Manual Integrations
APPROVED

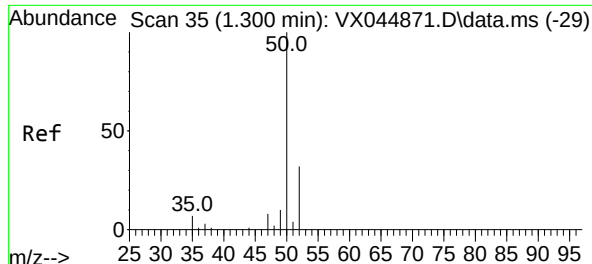
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#2
Dichlorodifluoromethane
Concen: 100.632 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 85 Resp: 182788
Ion Ratio Lower Upper
85 100
87 31.8 15.8 47.3





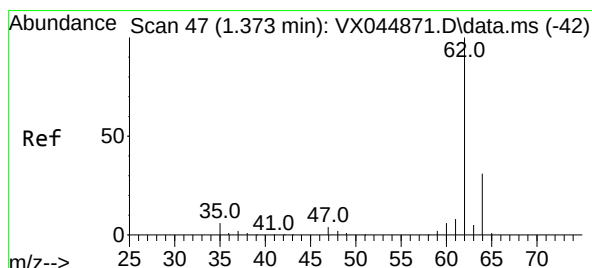
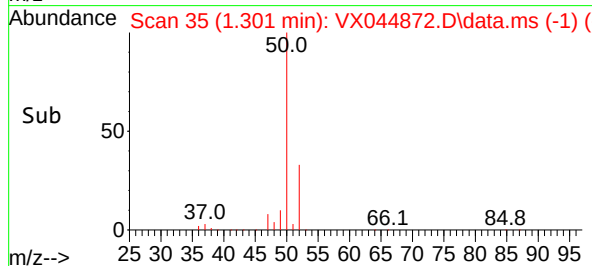
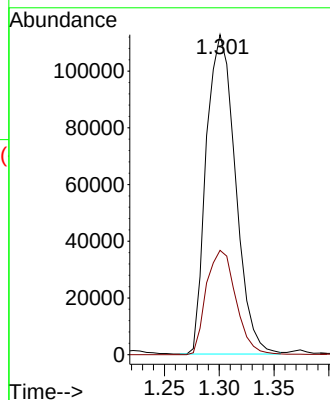
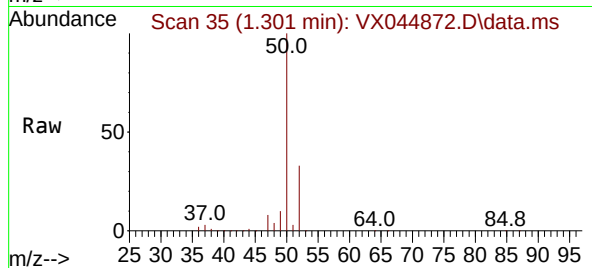
#3
Chloromethane
Concen: 94.275 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 208410
Ion Ratio Lower Upper
50 100
52 32.7 25.9 38.9

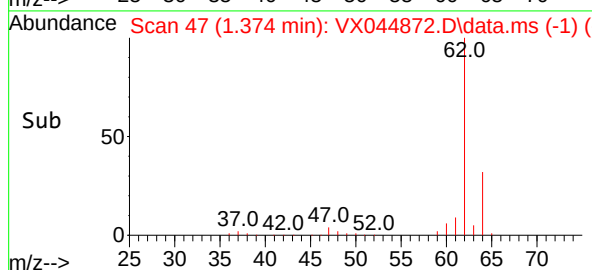
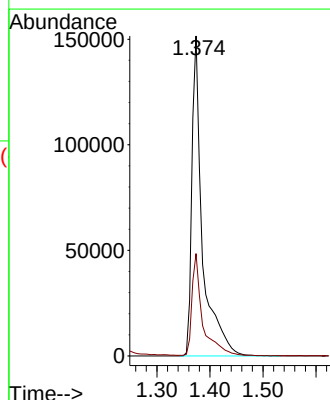
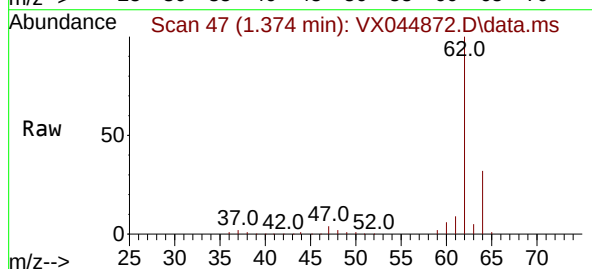
Manual Integrations
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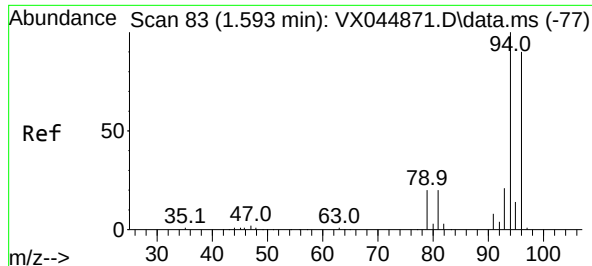
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#4
Vinyl Chloride
Concen: 97.593 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 62 Resp: 209017
Ion Ratio Lower Upper
62 100
64 31.9 25.4 38.0





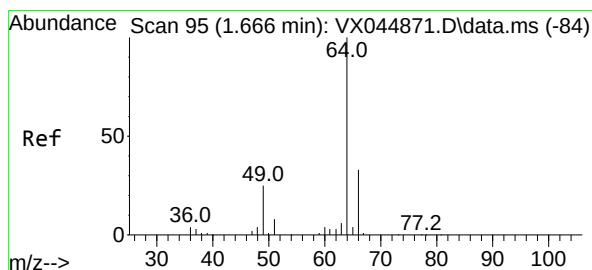
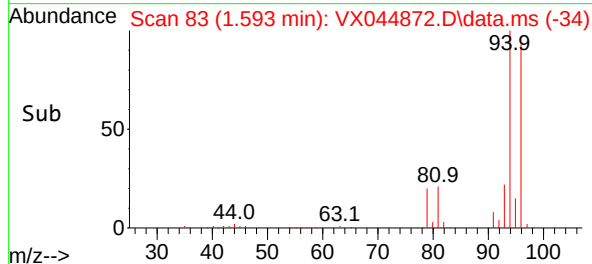
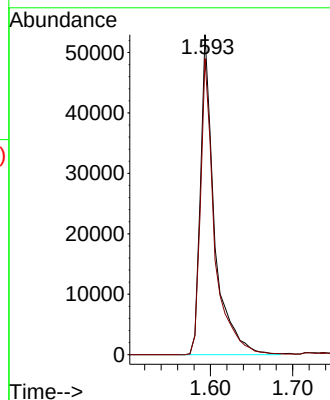
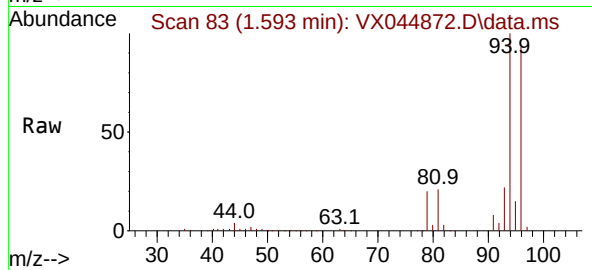
#5
Bromomethane
Concen: 97.984 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 6279
Ion Ratio Lower Upper
94 100
96 92.6 71.6 107.4

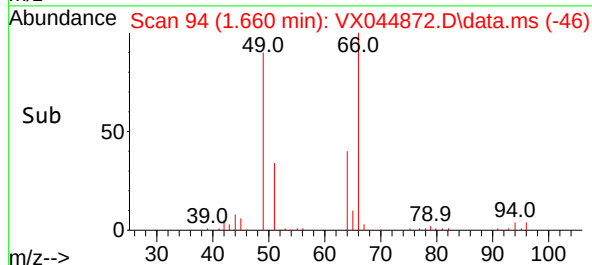
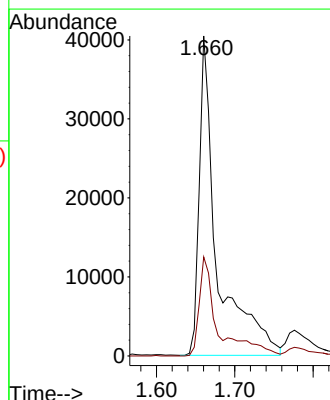
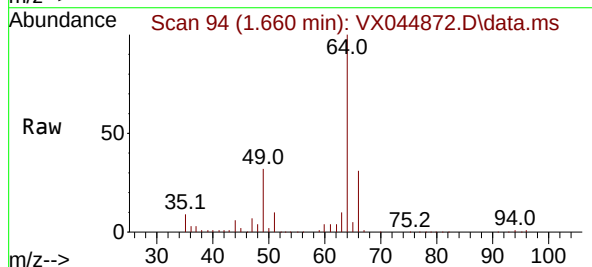
Manual Integrations
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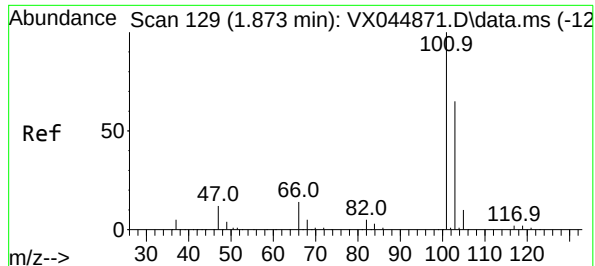
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#6
Chloroethane
Concen: 100.253 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 64 Resp: 64581
Ion Ratio Lower Upper
64 100
66 31.0 25.9 38.9





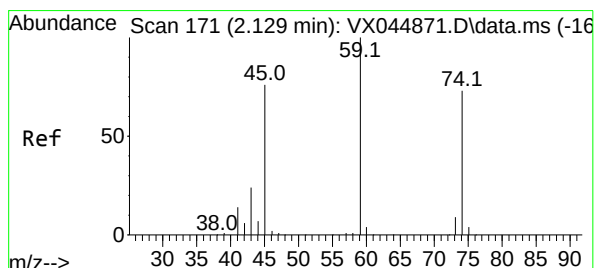
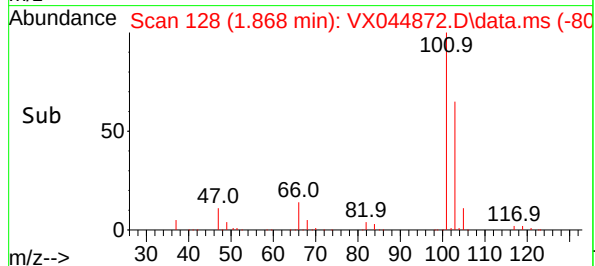
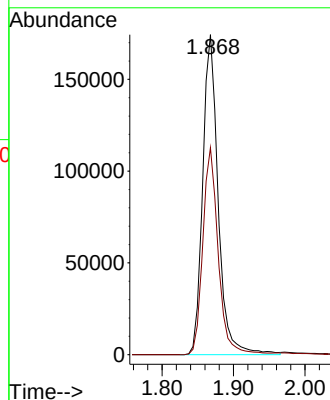
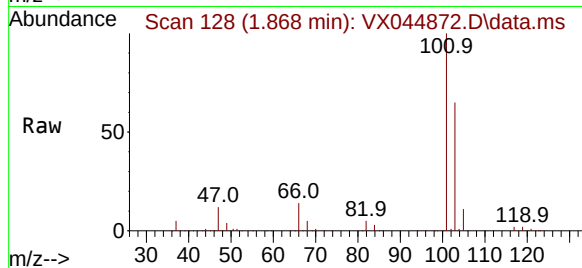
#7
Trichlorofluoromethane
Concen: 96.865 ug/l
RT: 1.868 min Scan# 129
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 262354
Ion Ratio Lower Upper
101 100
103 64.7 52.4 78.6

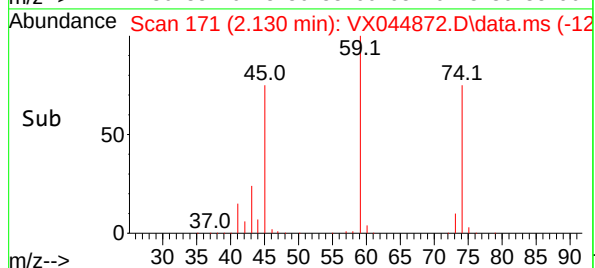
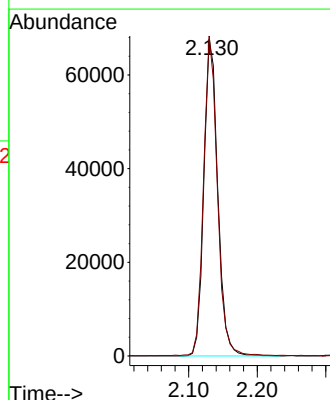
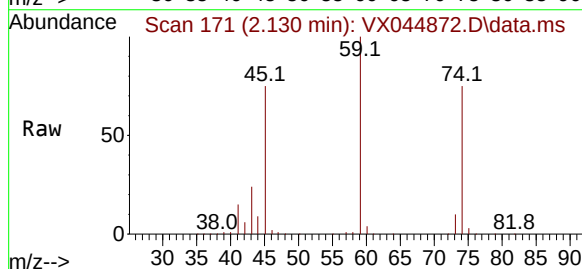
Manual Integrations
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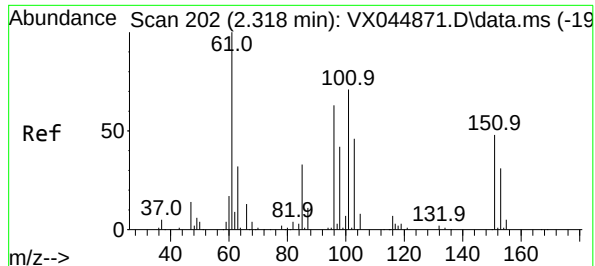
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#8
Diethyl Ether
Concen: 97.647 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 74 Resp: 95914
Ion Ratio Lower Upper
74 100
45 99.5 51.1 153.4





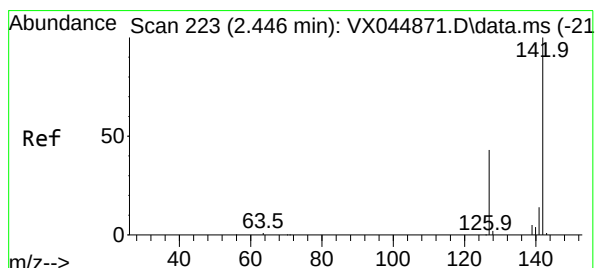
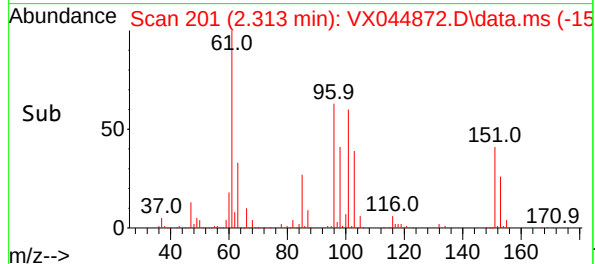
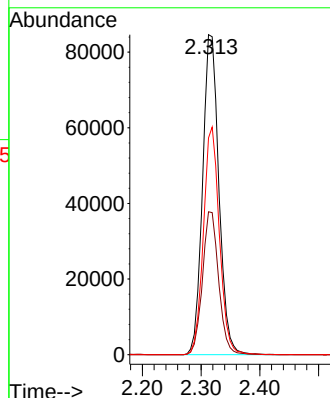
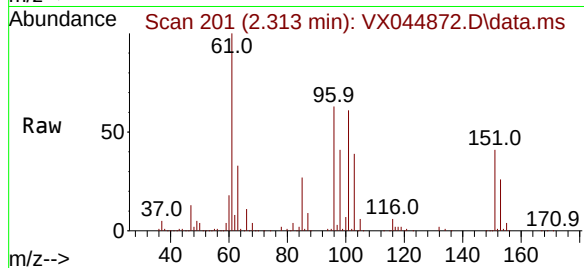
#9
1,1,2-Trichlorotrifluoroethane
Concen: 99.860 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 163414
Ion Ratio Lower Upper
101 100
85 44.3 35.7 53.5
151 69.8 56.0 84.0

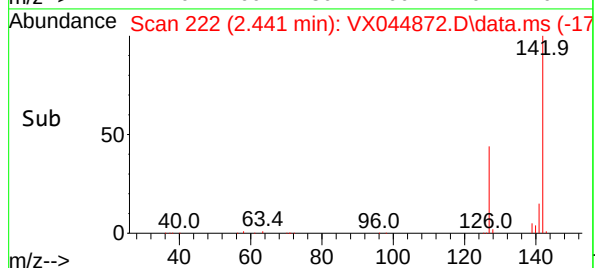
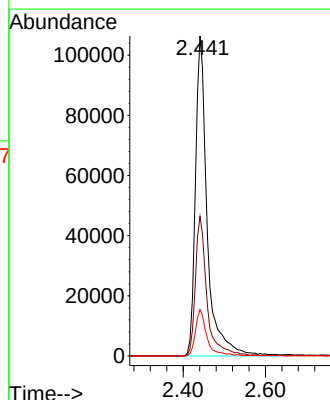
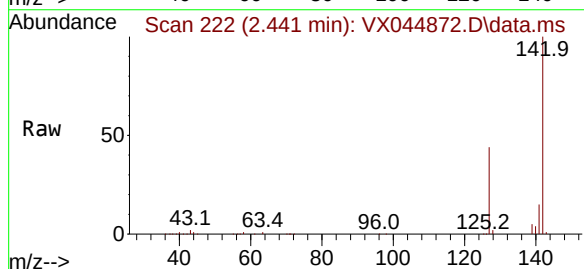
Manual Integrations
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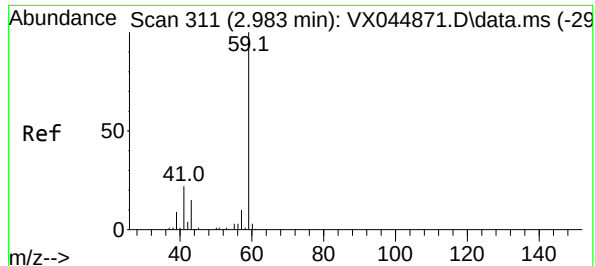
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#10
Methyl Iodide
Concen: 100.016 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:142 Resp: 212118
Ion Ratio Lower Upper
142 100
127 42.5 34.3 51.5
141 14.1 11.4 17.2





#11

Tert butyl alcohol

Concen: 469.903 ug/l

RT: 3.002 min Scan# 311

Delta R.T. 0.019 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 59 Resp: 16526

Ion Ratio Lower Upper

59 100

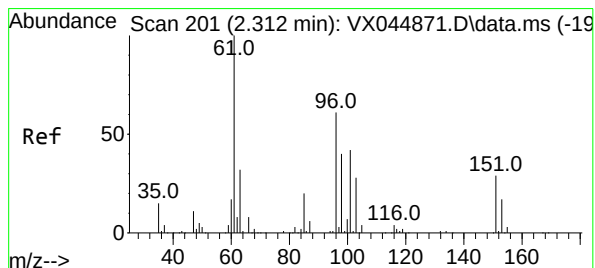
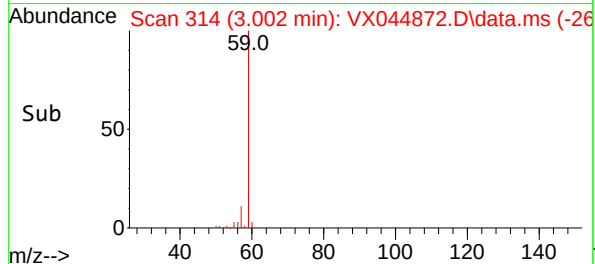
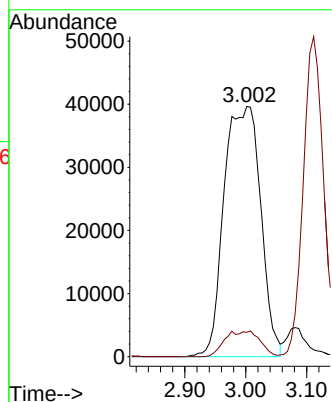
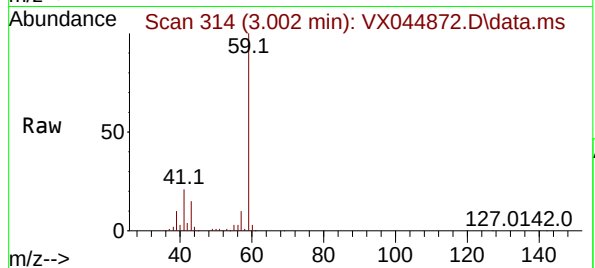
57 0.0 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#12

1,1-Dichloroethene

Concen: 98.004 ug/l

RT: 2.307 min Scan# 200

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

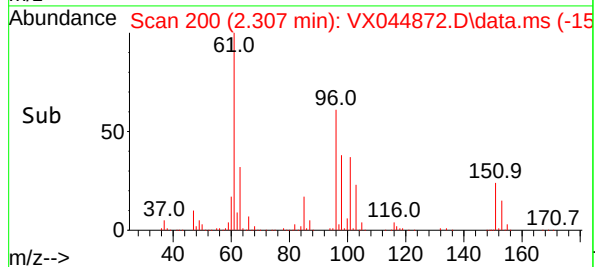
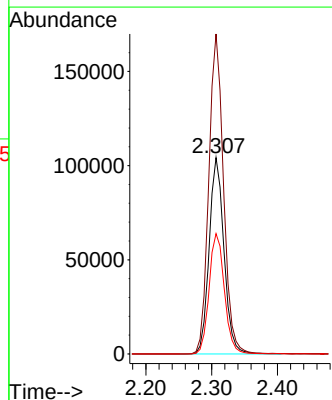
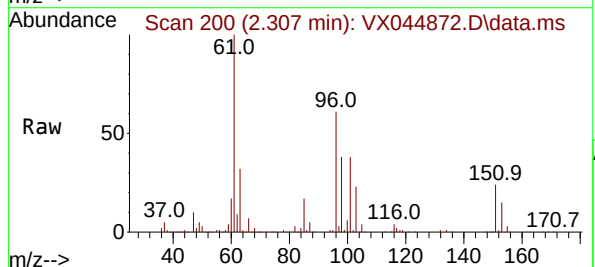
Tgt Ion: 96 Resp: 163593

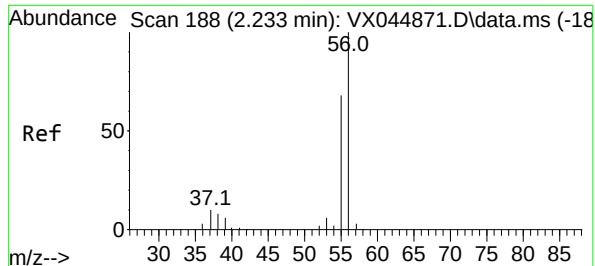
Ion Ratio Lower Upper

96 100

61 162.9 130.2 195.4

98 61.3 52.2 78.4





#13

Acrolein

Concen: 497.628 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 56 Resp: 180570

Ion Ratio Lower Upper

56 100

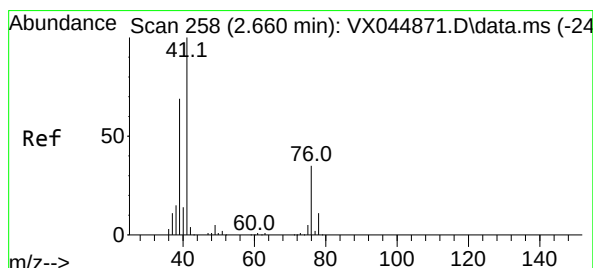
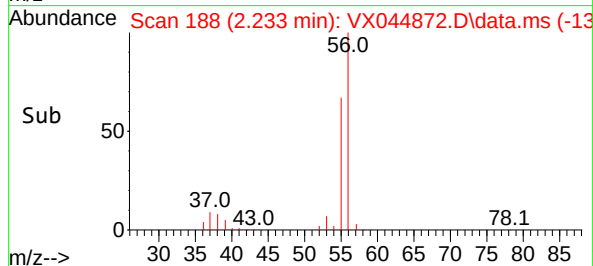
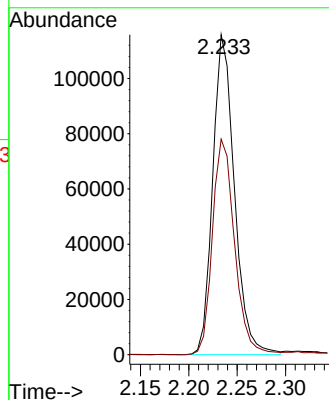
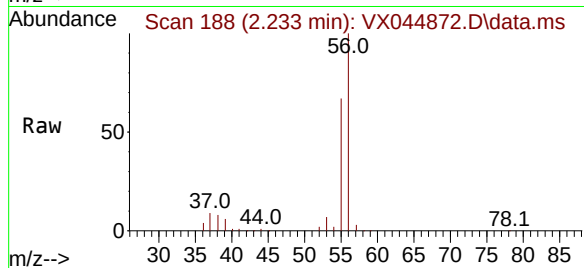
55 68.9 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#14

Allyl chloride

Concen: 98.624 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

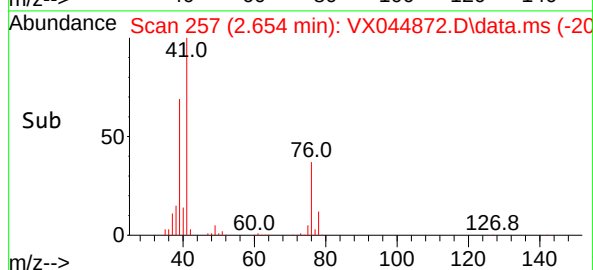
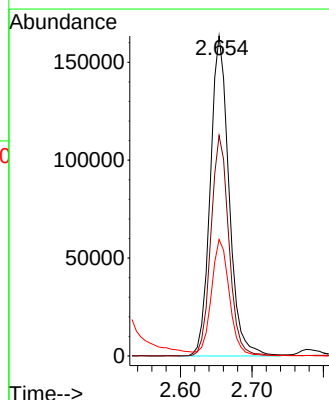
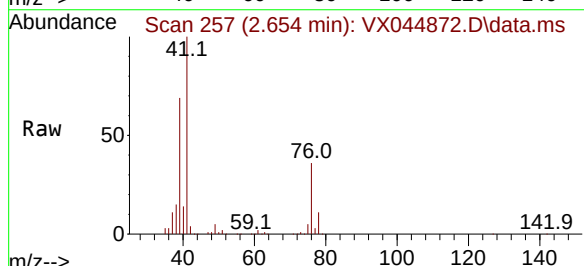
Tgt Ion: 41 Resp: 297526

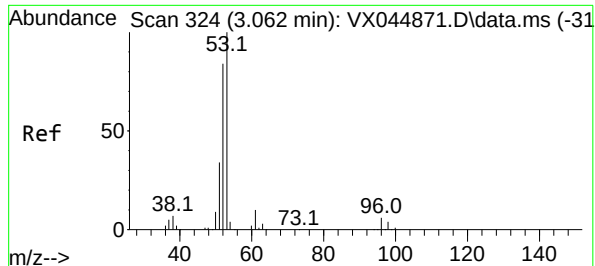
Ion Ratio Lower Upper

41 100

39 65.6 51.4 77.2

76 34.9 27.0 40.4





#15

Acrylonitrile

Concen: 497.173 ug/l

RT: 3.063 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 53 Resp: 46685

Ion Ratio Lower Upper

53 100

52 82.4 65.0 97.6

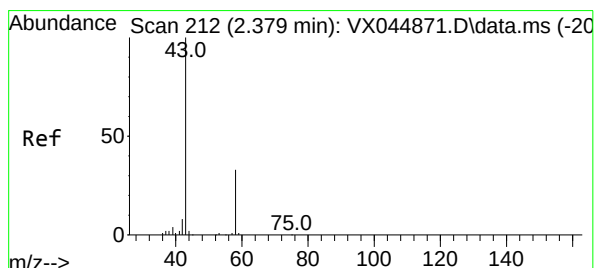
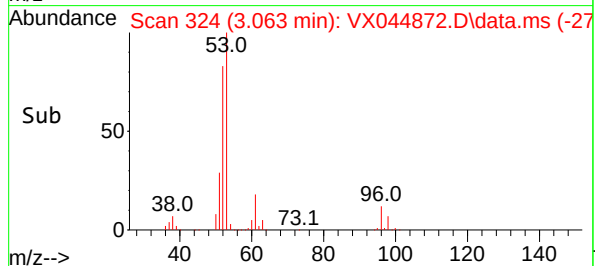
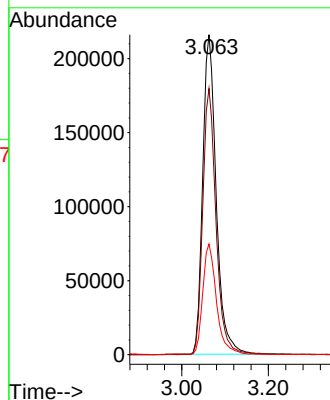
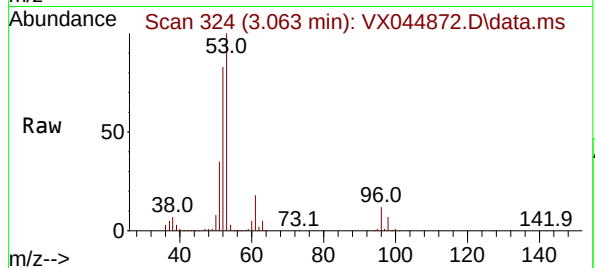
51 34.9 28.0 42.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#16

Acetone

Concen: 485.125 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.007 min

Lab File: VX044872.D

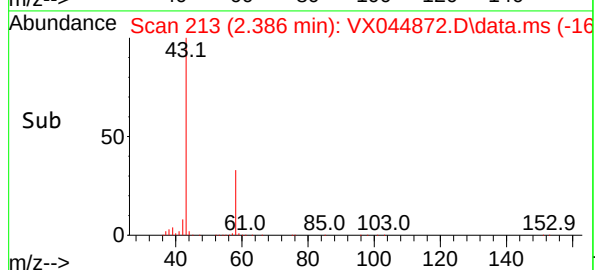
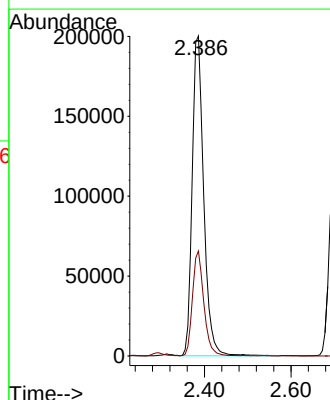
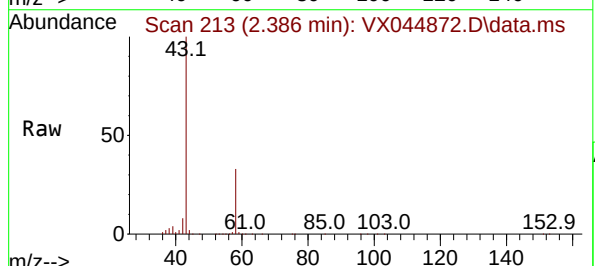
Acq: 10 Feb 2025 12:05

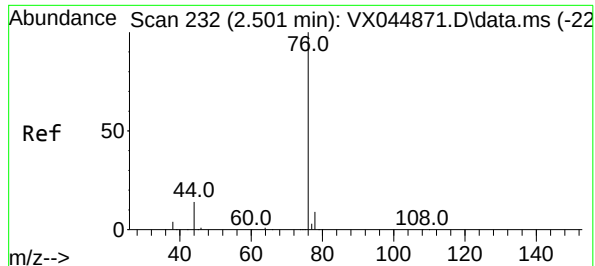
Tgt Ion: 43 Resp: 369720

Ion Ratio Lower Upper

43 100

58 32.8 26.5 39.7





#17

Carbon Disulfide

Concen: 101.216 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 463308

Ion Ratio Lower Upper

76 100

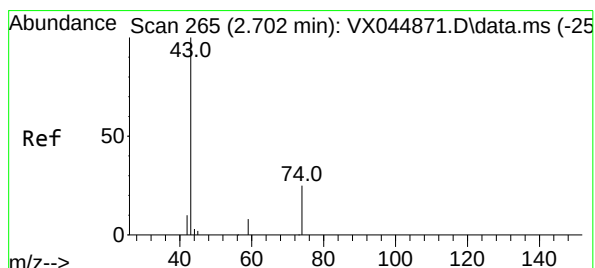
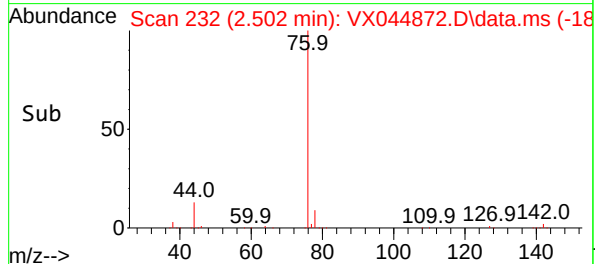
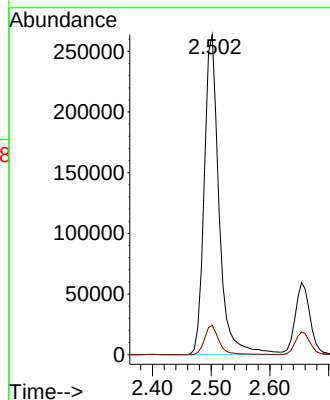
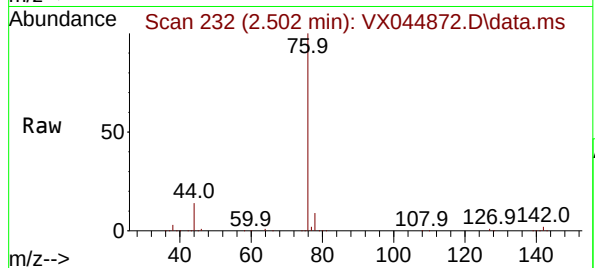
78 9.1 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#18

Methyl Acetate

Concen: 99.249 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX044872.D

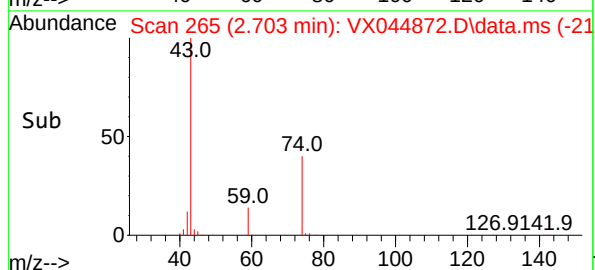
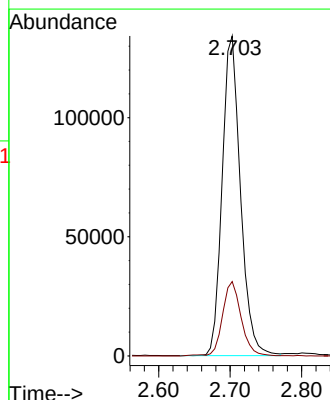
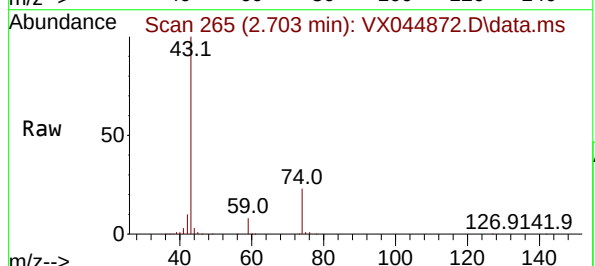
Acq: 10 Feb 2025 12:05

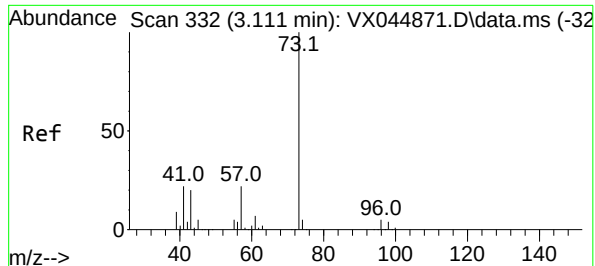
Tgt Ion: 43 Resp: 238689

Ion Ratio Lower Upper

43 100

74 23.8 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 98.098 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 73 Resp: 52100

Ion Ratio Lower Upper

73 100

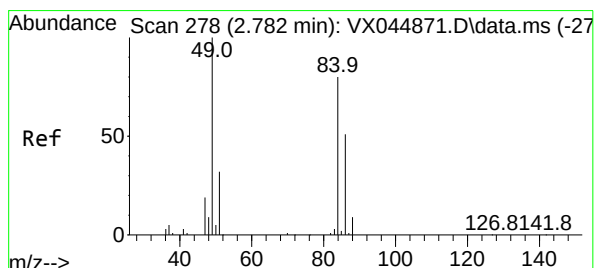
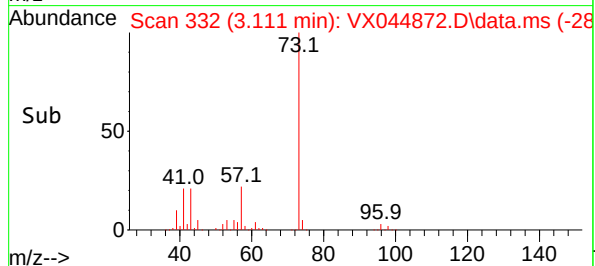
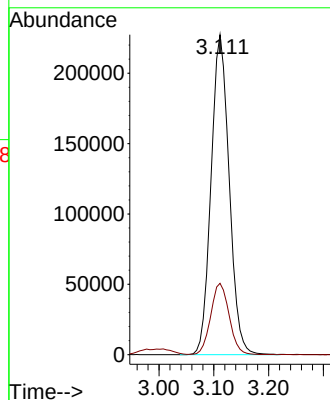
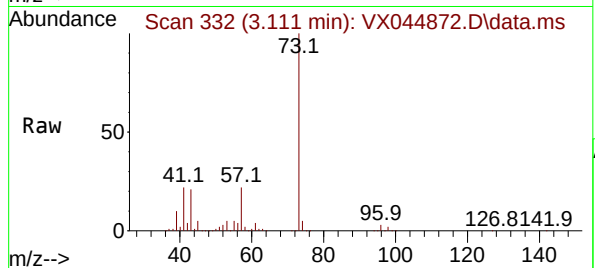
57 22.3 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#20

Methylene Chloride

Concen: 96.490 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Tgt Ion: 84 Resp: 180120

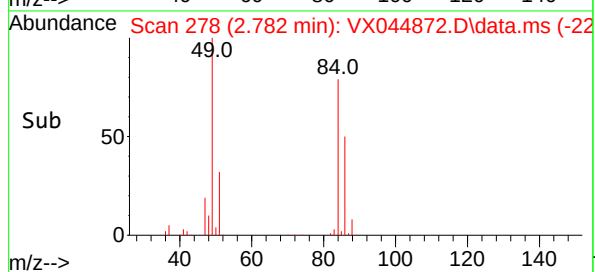
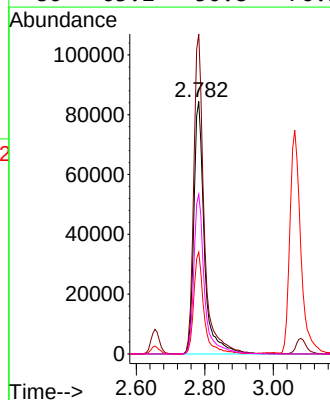
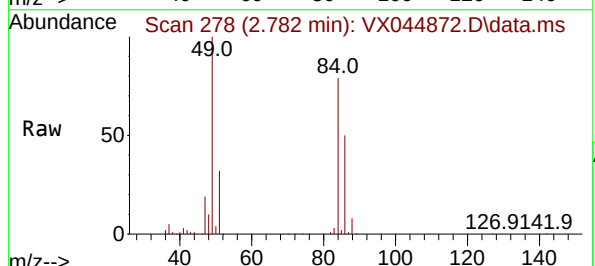
Ion Ratio Lower Upper

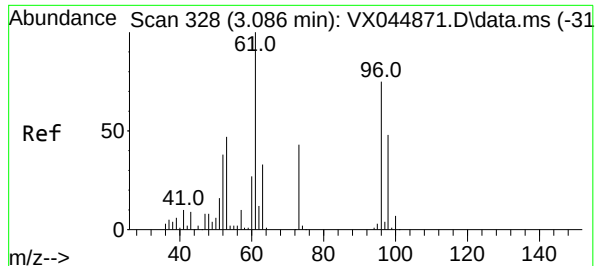
84 100

49 126.7 100.1 150.1

51 40.3 31.7 47.5

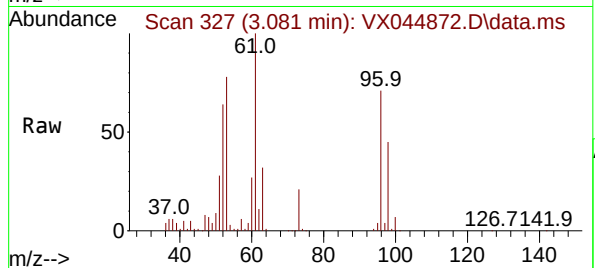
86 63.2 50.8 76.2





#21
trans-1,2-Dichloroethene
Concen: 99.864 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

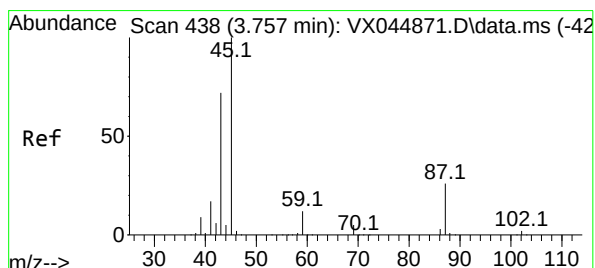
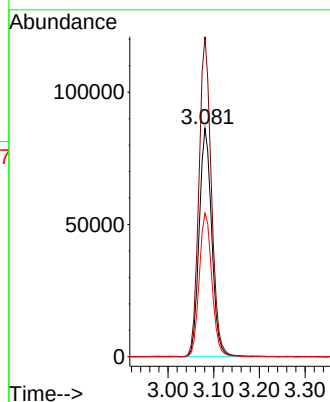
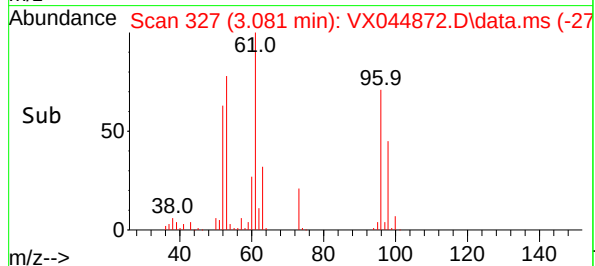
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 96 Resp: 16406
Ion Ratio Lower Upper
96 100
61 140.2 106.0 159.0
98 62.8 50.6 76.0

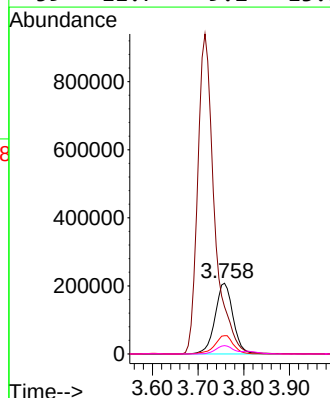
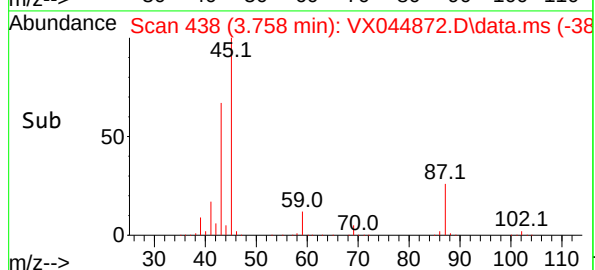
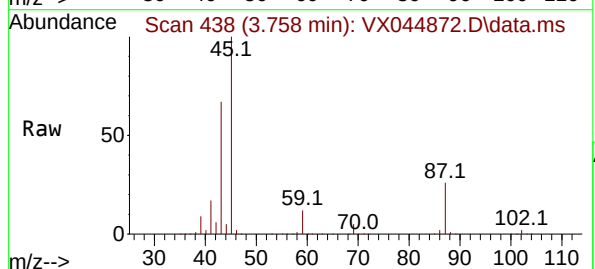
Manual Integrations
APPROVED

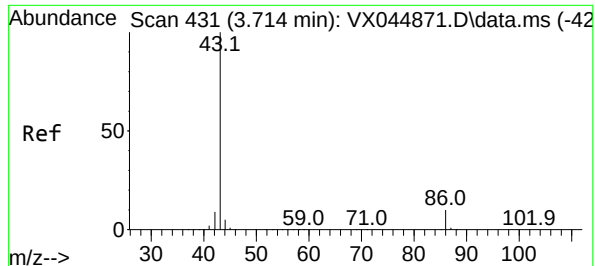
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#22
Diisopropyl ether
Concen: 99.157 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 45 Resp: 565927
Ion Ratio Lower Upper
45 100
43 66.7 58.0 87.0
87 25.7 20.7 31.1
59 11.7 9.2 13.8





#23

Vinyl Acetate

Concen: 513.051 ug/l

RT: 3.715 min Scan# 411

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 2387200

Ion Ratio Lower Upper

43 100

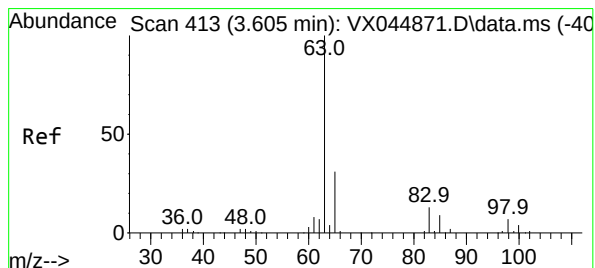
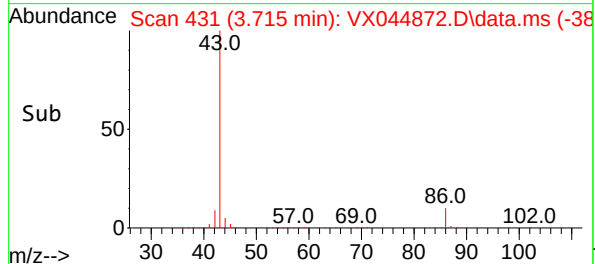
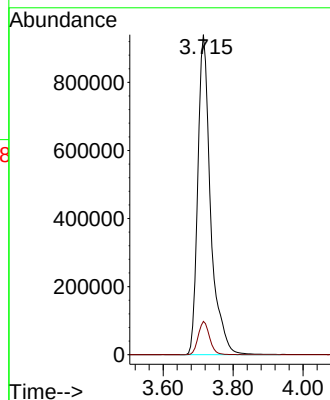
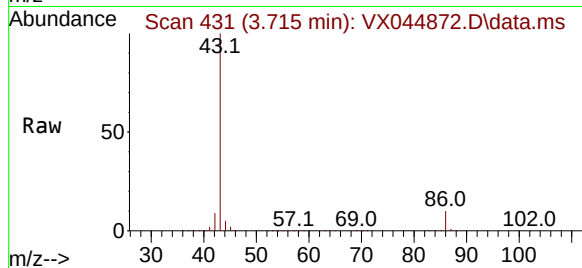
86 10.4 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#24

1,1-Dichloroethane

Concen: 98.064 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

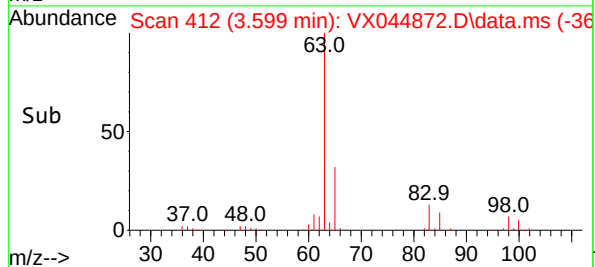
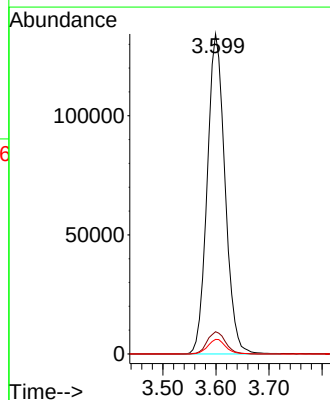
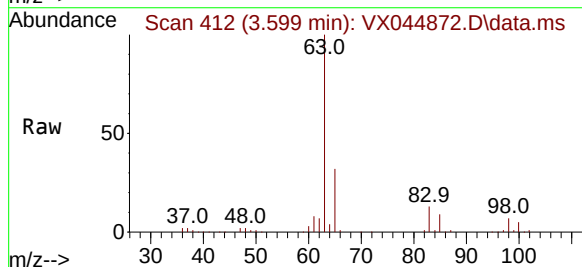
Tgt Ion: 63 Resp: 313164

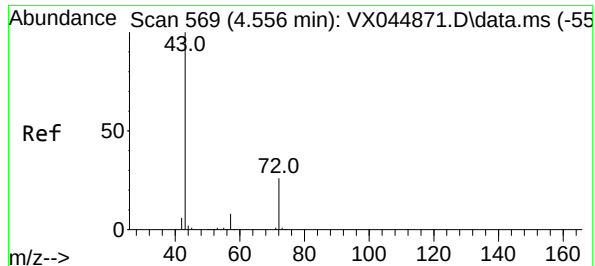
Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.9

100 4.5 2.1 6.5





#25

2-Butanone

Concen: 498.801 ug/l

RT: 4.550 min Scan# 50

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 61728

Ion Ratio Lower Upper

43 100

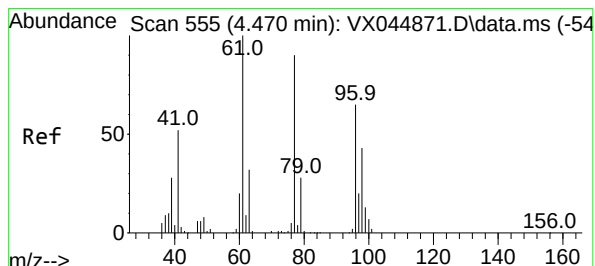
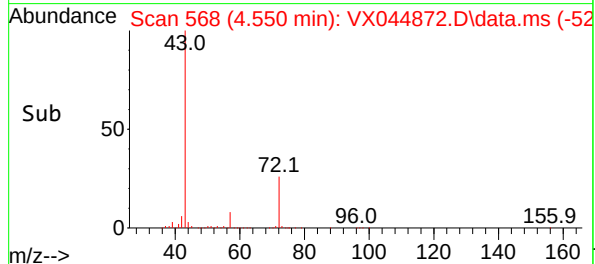
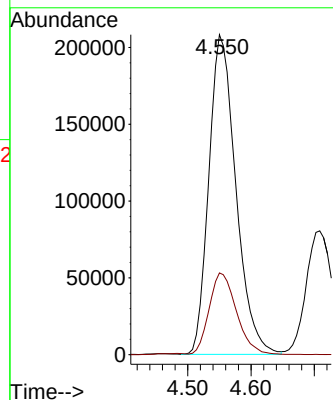
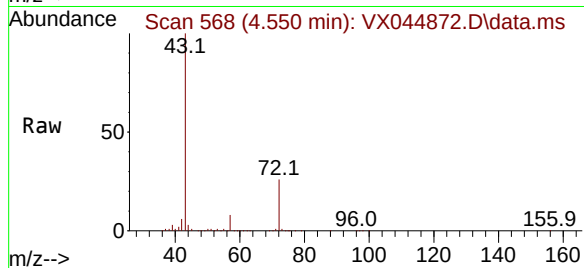
72 25.4 21.2 31.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#26

2,2-Dichloropropane

Concen: 98.053 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.006 min

Lab File: VX044872.D

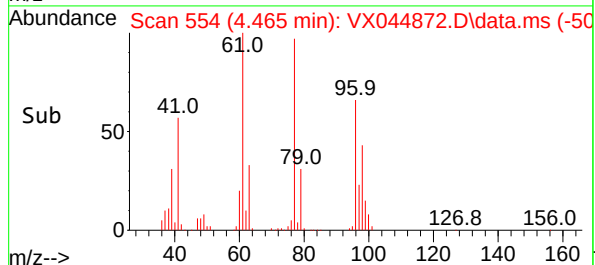
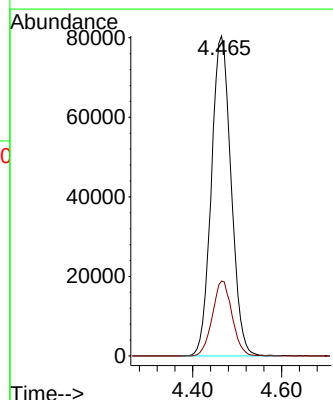
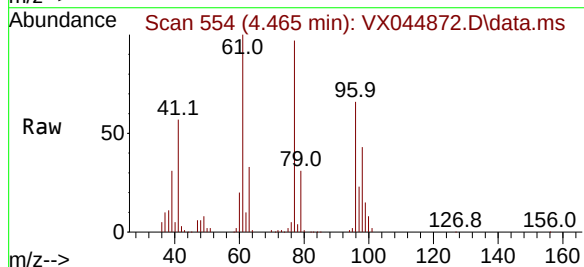
Acq: 10 Feb 2025 12:05

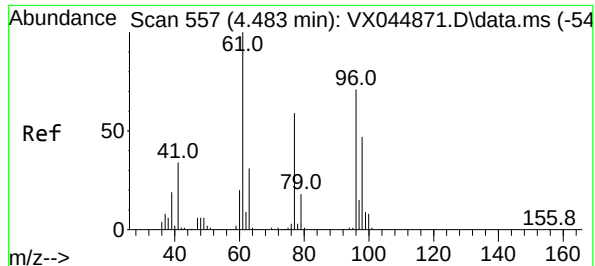
Tgt Ion: 77 Resp: 248324

Ion Ratio Lower Upper

77 100

97 23.3 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 99.513 ug/l

RT: 4.477 min Scan# 556

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 96 Resp: 19638

Ion Ratio Lower Upper

96 100

61 145.1 0.0 294.0

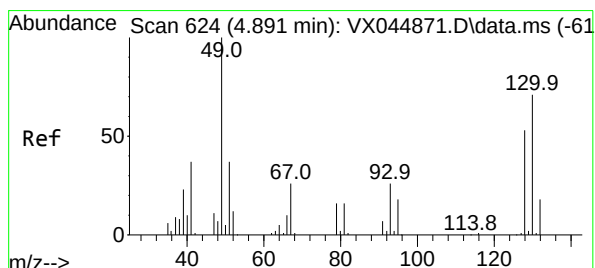
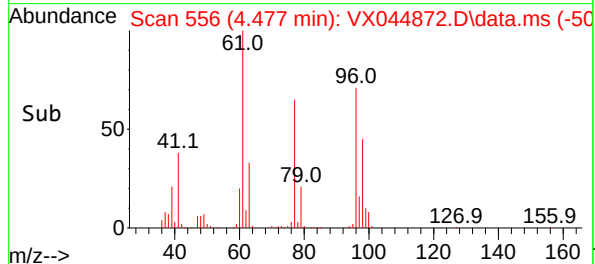
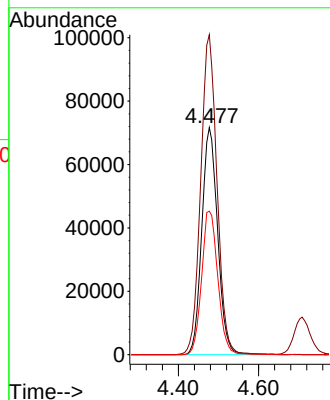
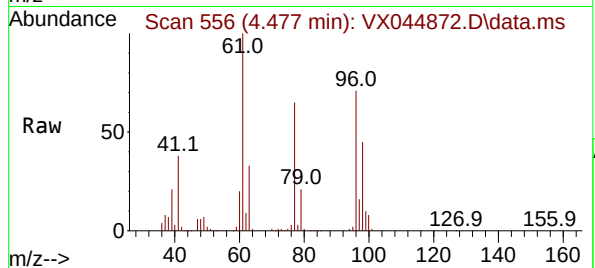
98 64.6 0.0 131.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#28

Bromochloromethane

Concen: 96.524 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

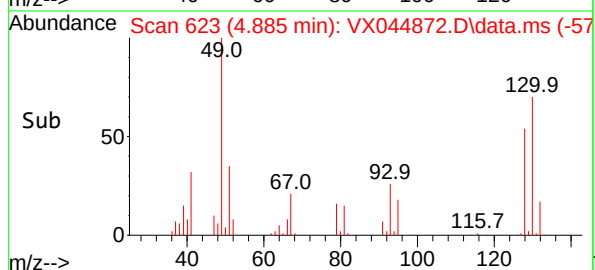
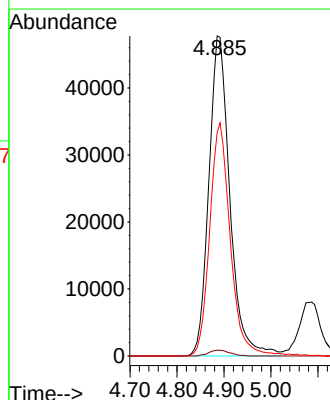
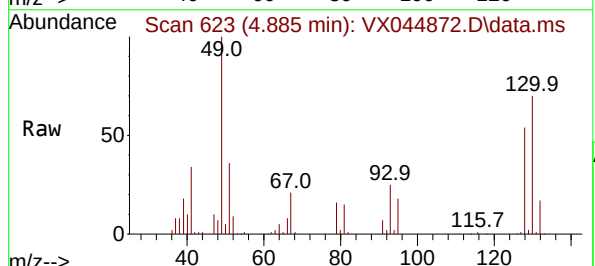
Tgt Ion: 49 Resp: 148137

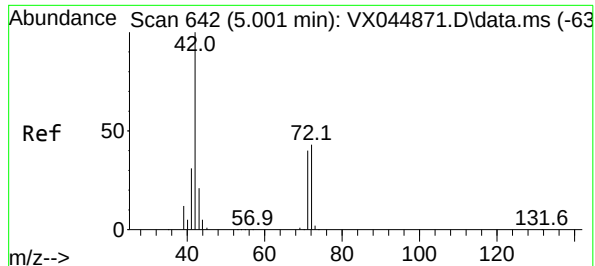
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 71.1 56.7 85.1





#29

Tetrahydrofuran

Concen: 493.104 ug/l

RT: 4.995 min Scan# 642

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 42 Resp: 405208

Ion Ratio Lower Upper

42 100

72 43.9 35.0 52.4

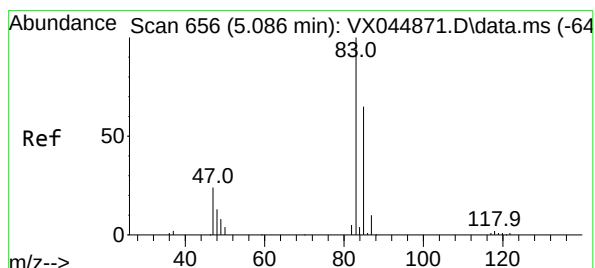
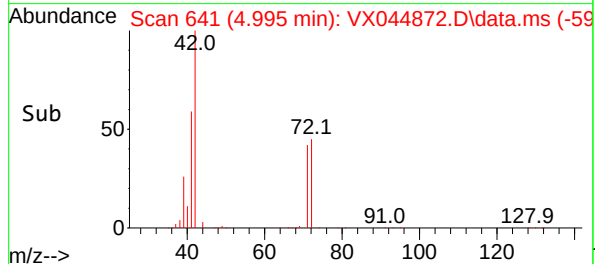
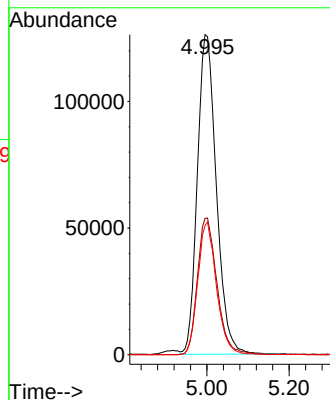
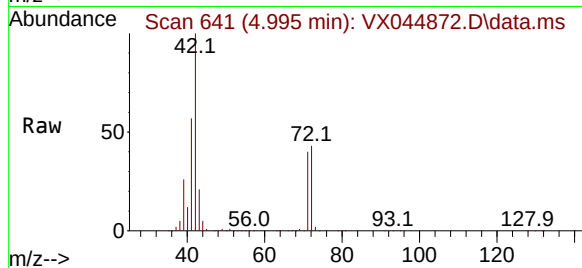
71 40.8 32.6 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#30

Chloroform

Concen: 96.445 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044872.D

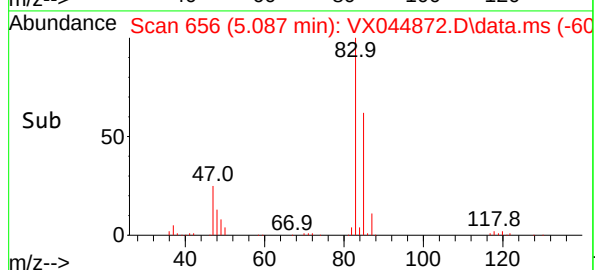
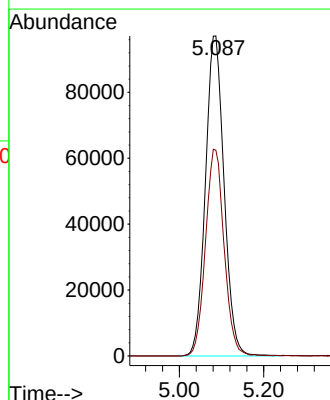
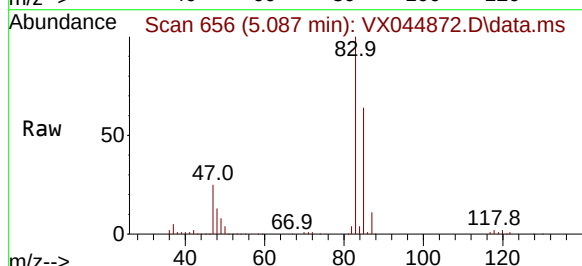
Acq: 10 Feb 2025 12:05

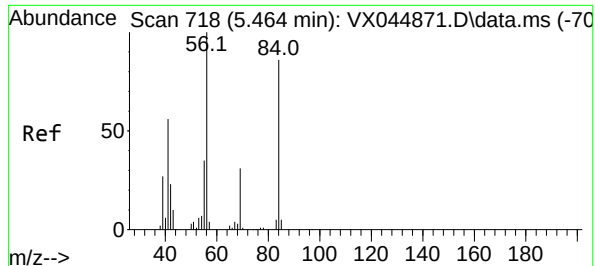
Tgt Ion: 83 Resp: 298690

Ion Ratio Lower Upper

83 100

85 64.3 52.1 78.1





#31

Cyclohexane

Concen: 97.426 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.006 min

Lab File: VX044872.D

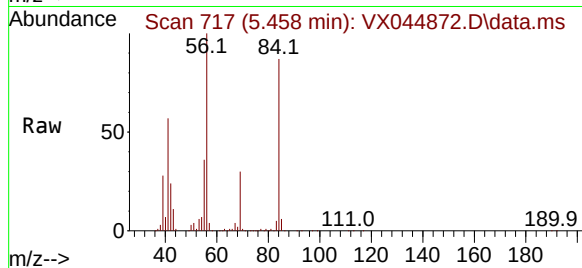
Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100



Tgt Ion: 56 Resp: 286830

Ion Ratio Lower Upper

56 100

69 30.0 24.4 36.6

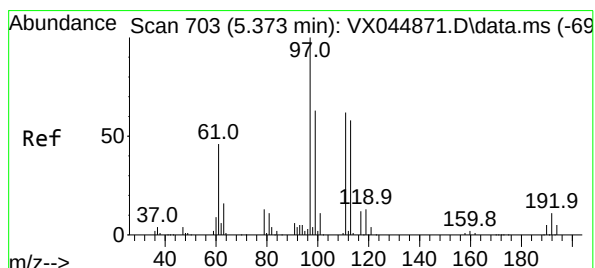
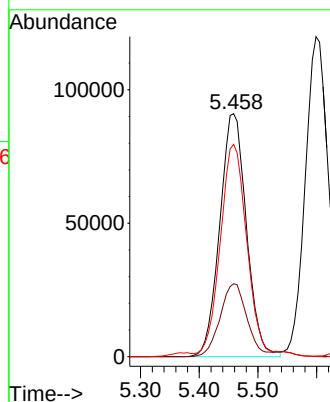
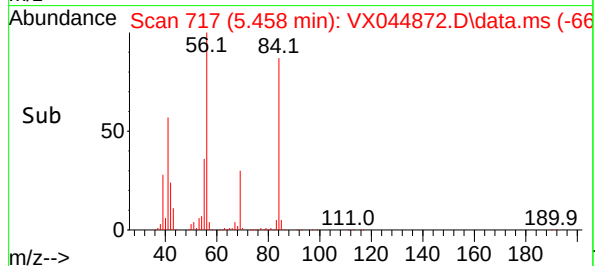
84 85.7 69.0 103.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#32

1,1,1-Trichloroethane

Concen: 97.050 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

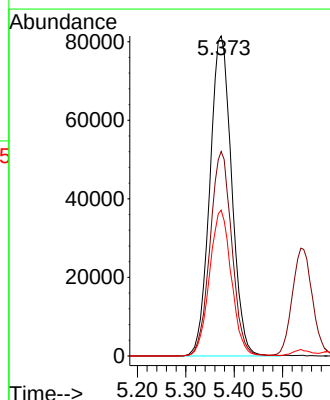
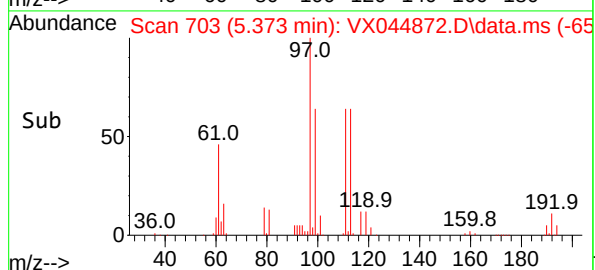
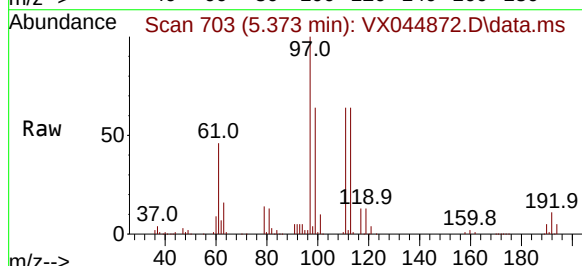
Tgt Ion: 97 Resp: 254941

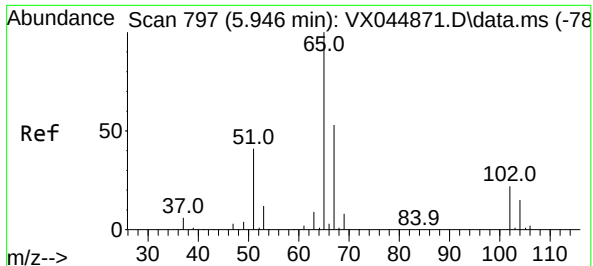
Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.6

61 45.8 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 96.580 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 65 Resp: 18309

Ion Ratio Lower Upper

65 100

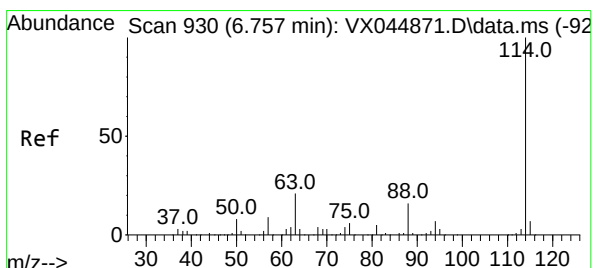
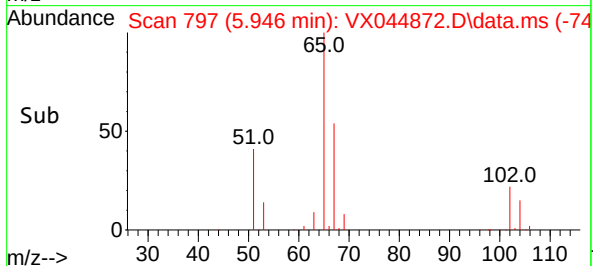
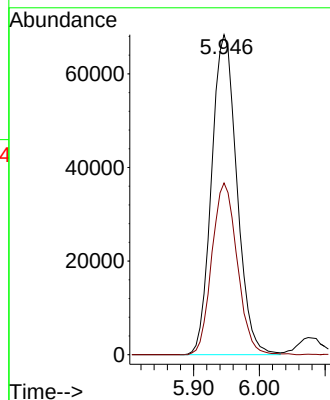
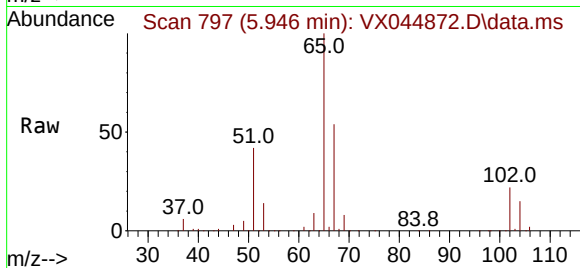
67 53.8 0.0 108.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

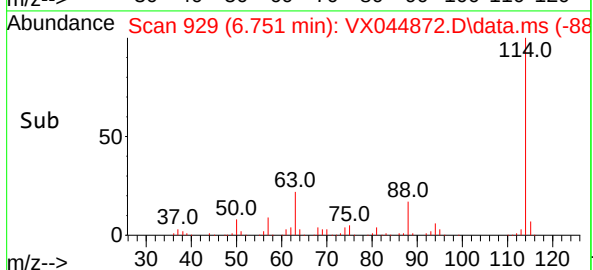
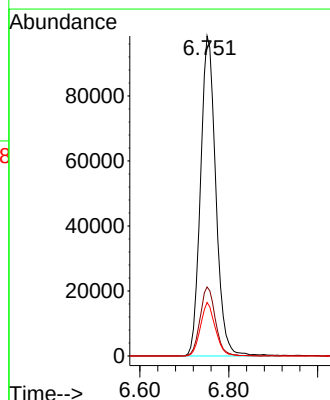
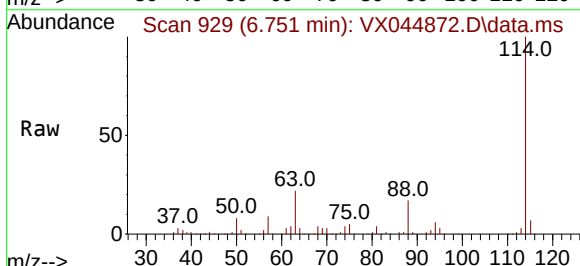
Tgt Ion:114 Resp: 236372

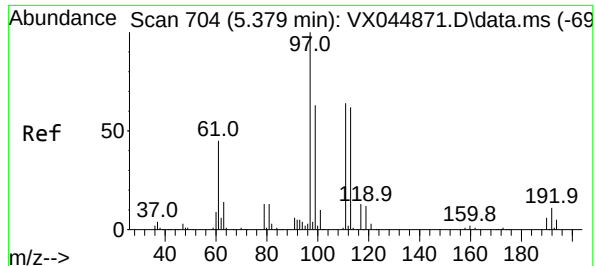
Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.4

88 16.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 98.404 ug/l

RT: 5.373 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:113 Resp: 151228

Ion Ratio Lower Upper

113 100

111 101.6 83.5 125.3

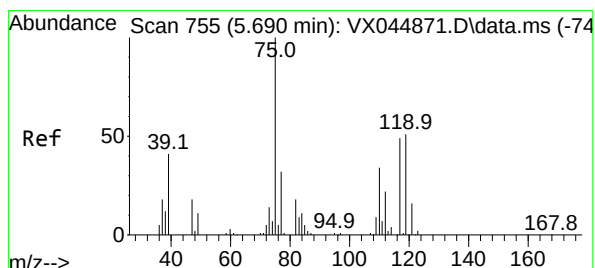
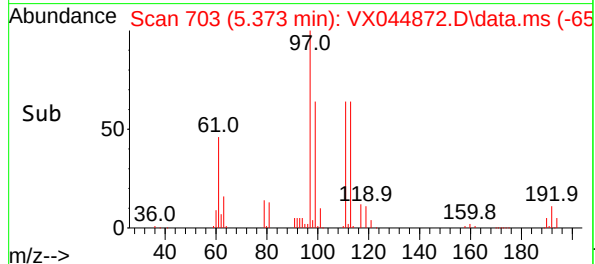
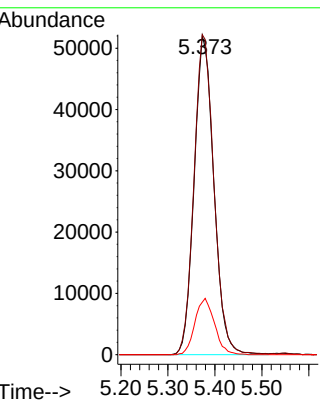
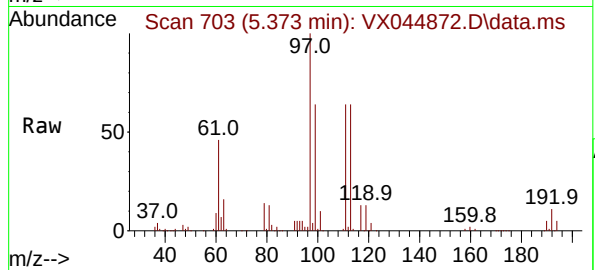
192 17.6 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#36

1,1-Dichloropropene

Concen: 97.422 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

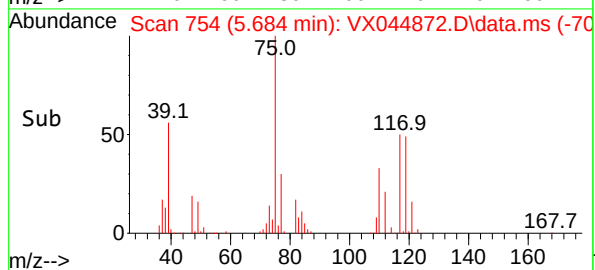
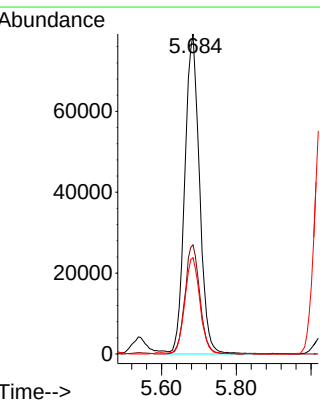
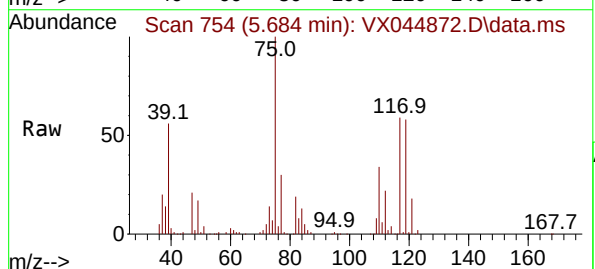
Tgt Ion: 75 Resp: 216005

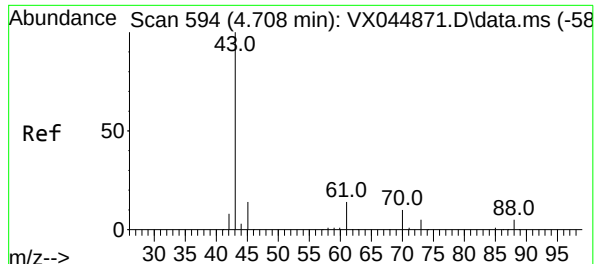
Ion Ratio Lower Upper

75 100

110 34.4 17.2 51.6

77 30.9 24.6 37.0





#37

Ethyl Acetate

Concen: 99.005 ug/l

RT: 4.709 min Scan# 594

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

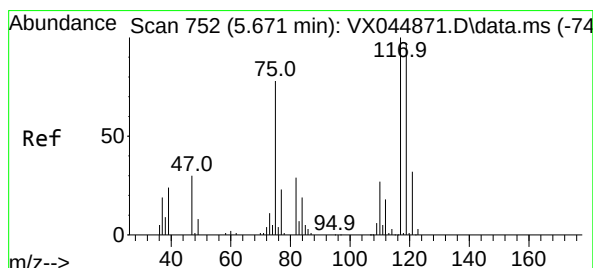
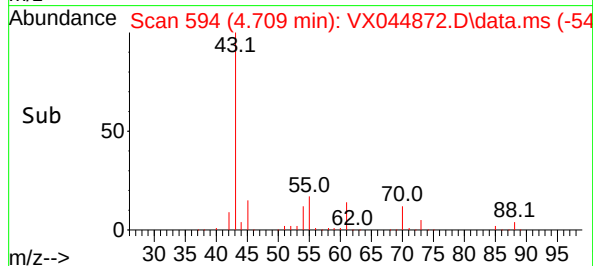
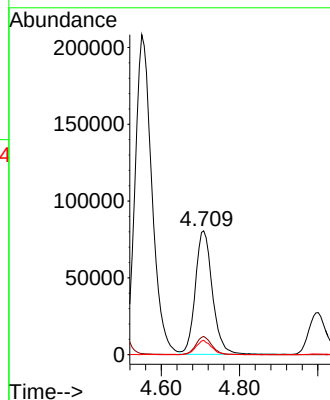
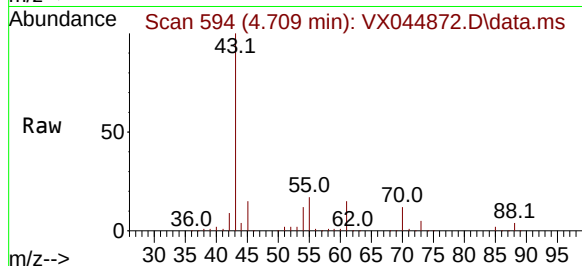
VSTDICC100

Tgt Ion:	43	Resp:	244164
Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.4
70	10.6	8.2	12.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#38

Carbon Tetrachloride

Concen: 96.828 ug/l

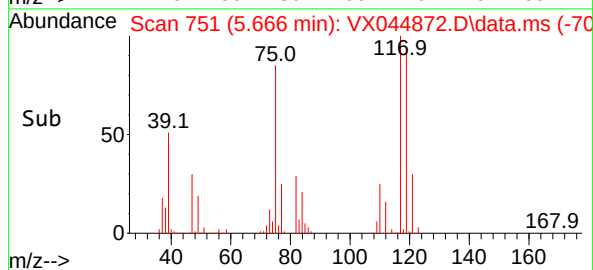
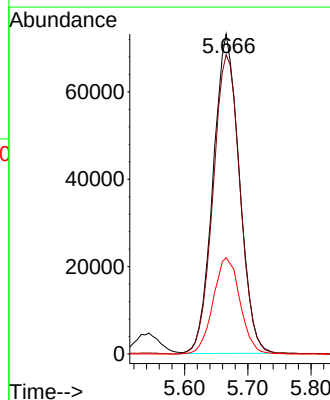
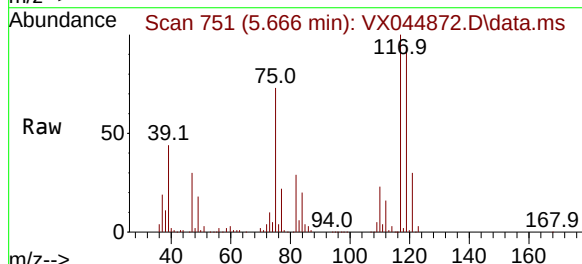
RT: 5.666 min Scan# 751

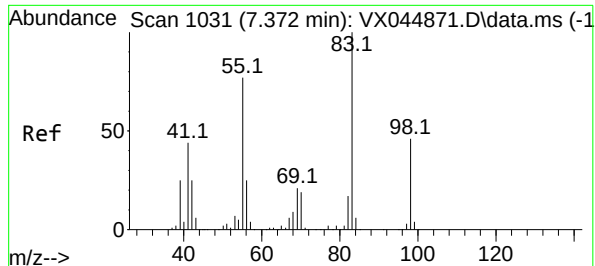
Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Tgt Ion:	117	Resp:	210381
Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.5	116.3
121	30.2	25.6	38.4





#39

Methylcyclohexane

Concen: 104.554 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 299700

Ion Ratio Lower Upper

83 100

55 78.5 61.3 91.9

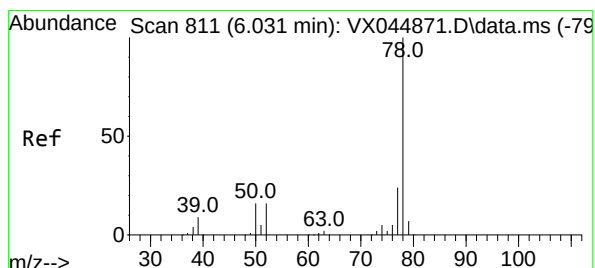
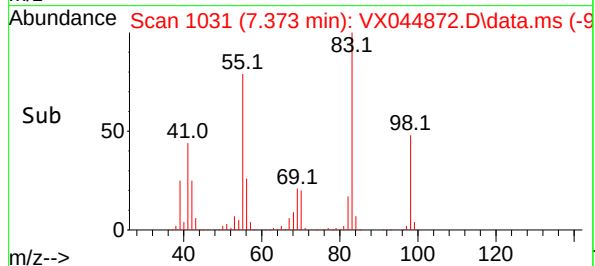
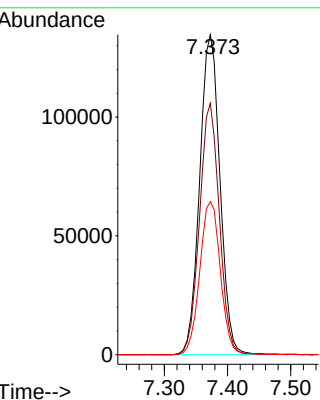
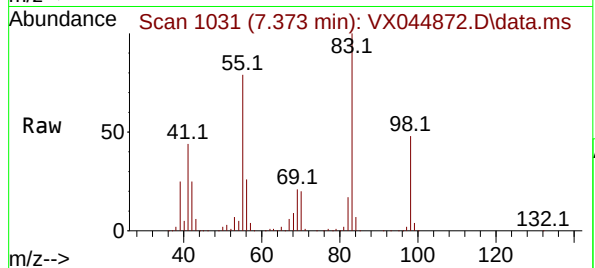
98 47.8 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#40

Benzene

Concen: 97.576 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX044872.D

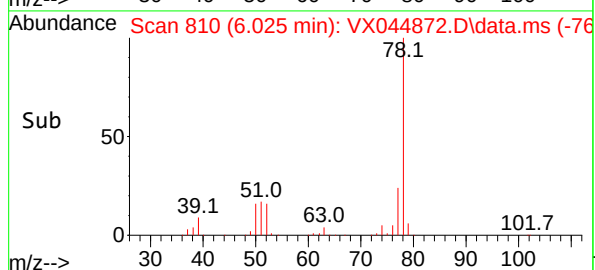
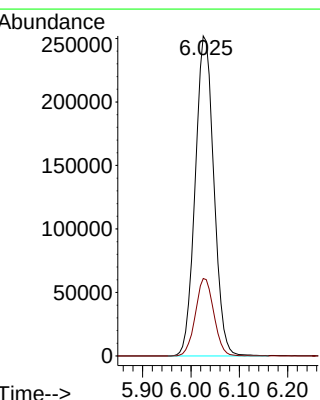
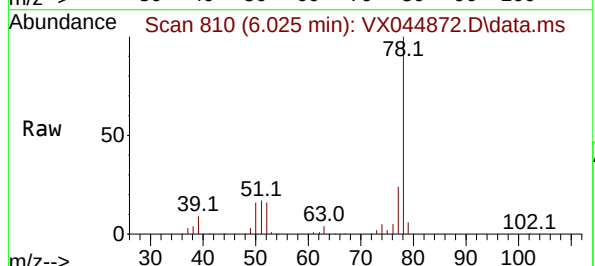
Acq: 10 Feb 2025 12:05

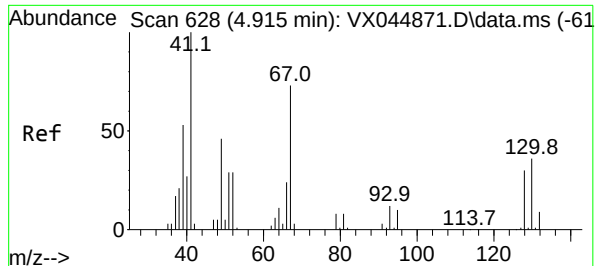
Tgt Ion: 78 Resp: 675556

Ion Ratio Lower Upper

78 100

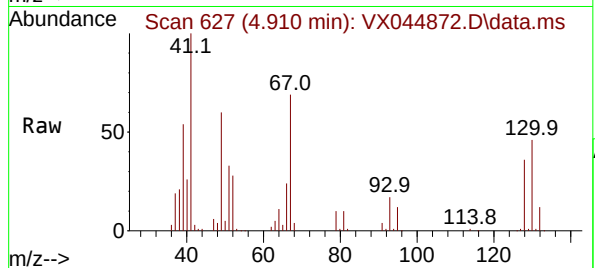
77 24.2 19.0 28.6





#41
Methacrylonitrile
Concen: 102.745 ug/l
RT: 4.910 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

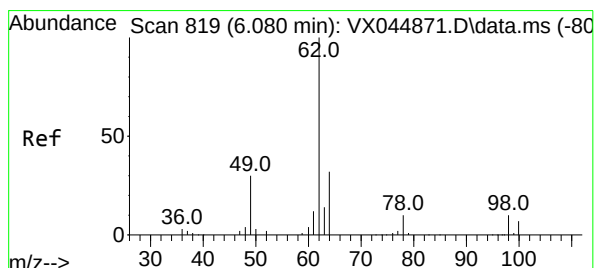
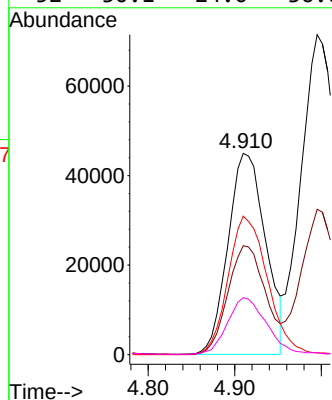
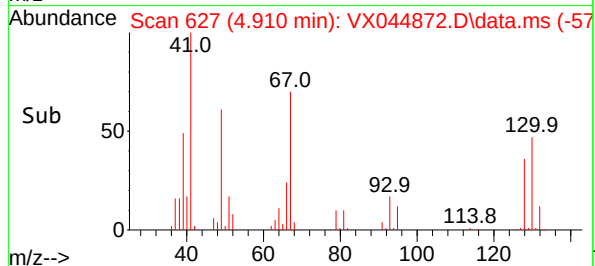
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion: 41 Resp: 135629
Ion Ratio Lower Upper
41 100
39 53.9 43.1 64.7
67 72.4 57.0 85.6
52 30.1 24.0 36.0

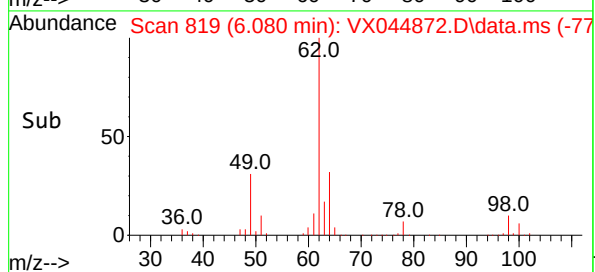
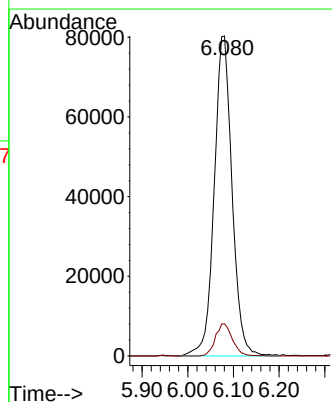
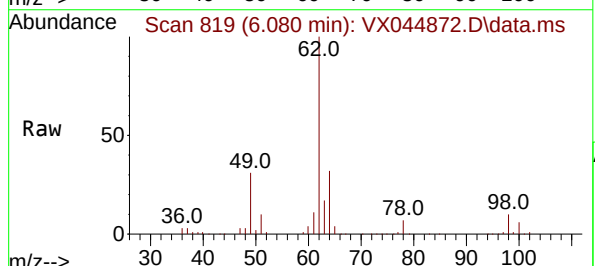
Manual Integrations
APPROVED

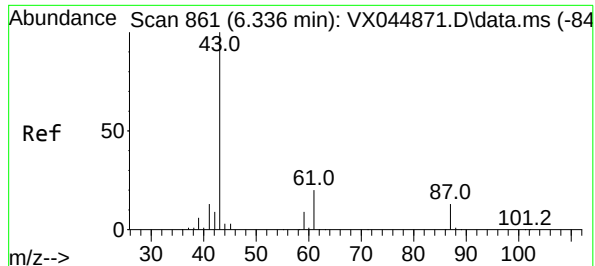
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#42
1,2-Dichloroethane
Concen: 98.875 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 62 Resp: 218174
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.4





#43

Isopropyl Acetate

Concen: 101.818 ug/l

RT: 6.336 min Scan# 80

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 405489

Ion Ratio Lower Upper

43 100

61 19.9 15.8 23.8

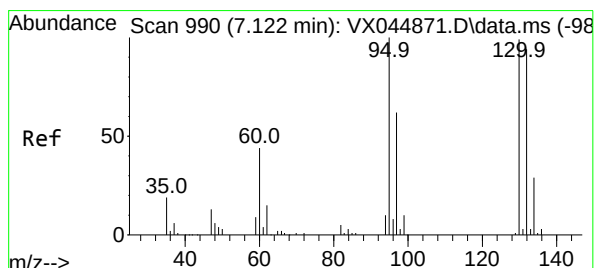
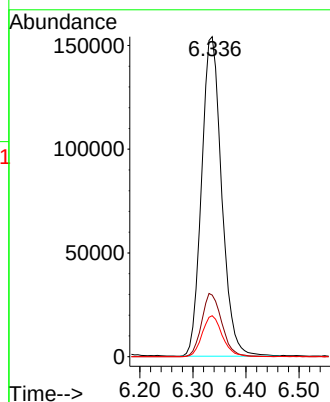
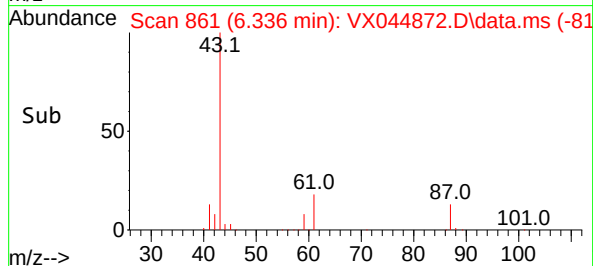
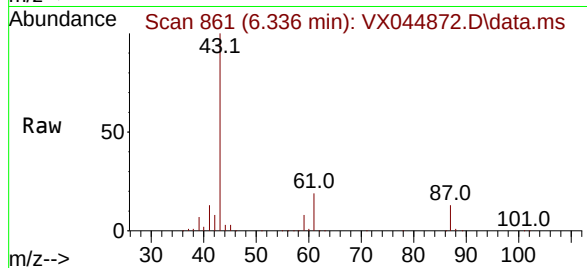
87 12.8 10.0 15.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#44

Trichloroethene

Concen: 99.103 ug/l

RT: 7.117 min Scan# 989

Delta R.T. -0.006 min

Lab File: VX044872.D

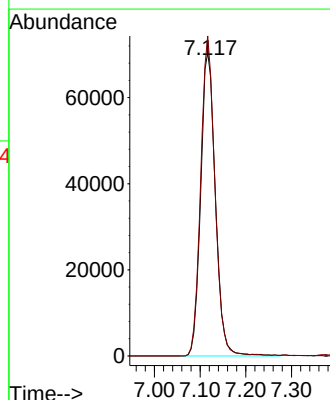
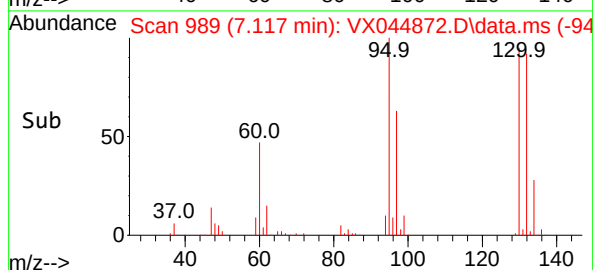
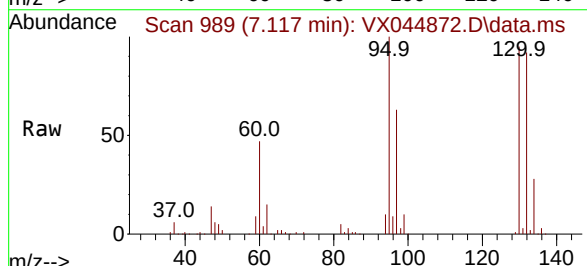
Acq: 10 Feb 2025 12:05

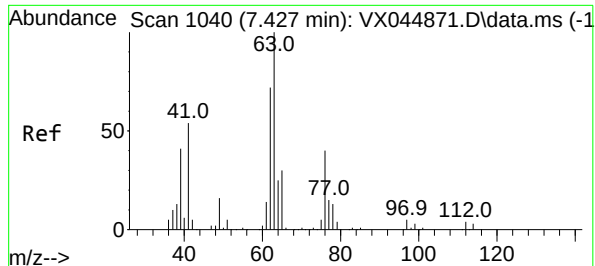
Tgt Ion:130 Resp: 156832

Ion Ratio Lower Upper

130 100

95 105.4 0.0 202.4





#45

1,2-Dichloropropane

Concen: 98.893 ug/l

RT: 7.422 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 17033

Ion Ratio Lower Upper

63 100

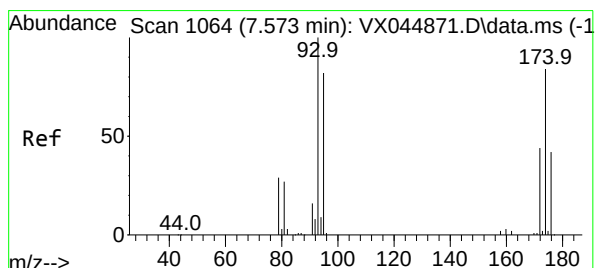
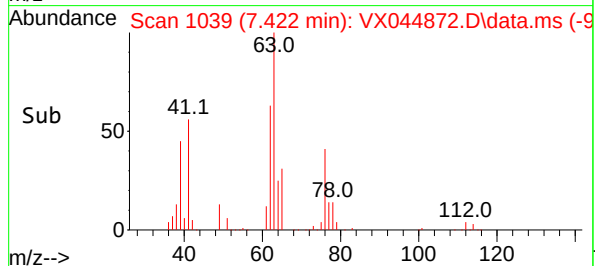
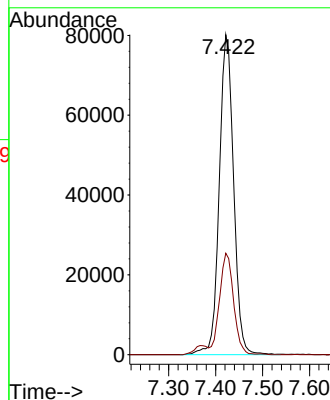
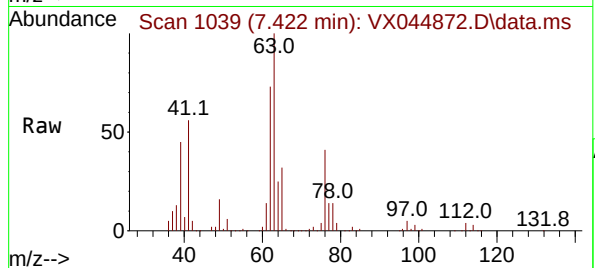
65 31.7 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#46

Dibromomethane

Concen: 99.747 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

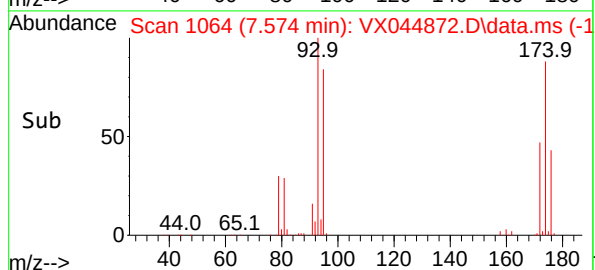
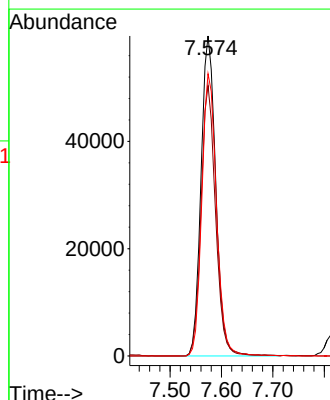
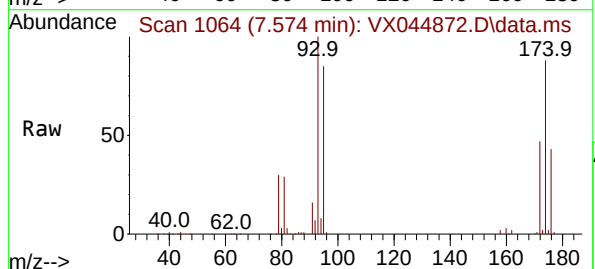
Tgt Ion: 93 Resp: 119149

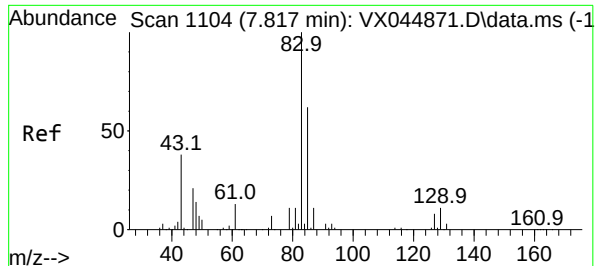
Ion Ratio Lower Upper

93 100

95 82.7 66.2 99.4

174 88.1 69.9 104.9





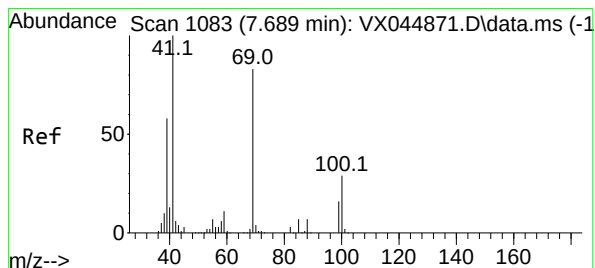
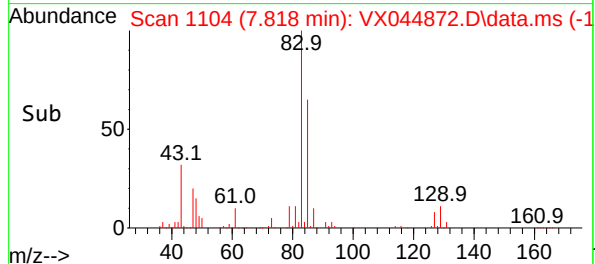
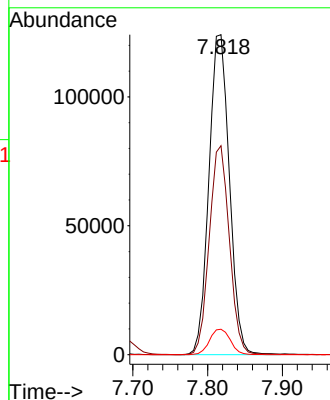
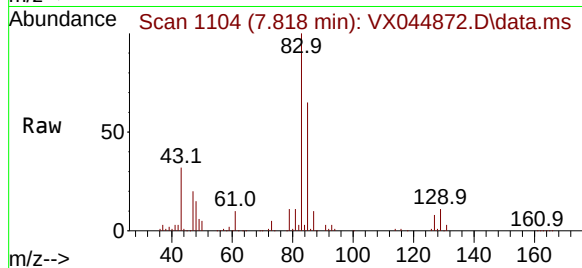
#47
Bromodichloromethane
Concen: 102.254 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 236500
Ion Ratio Lower Upper
83 100
85 65.3 50.0 75.0
127 8.0 6.4 9.6

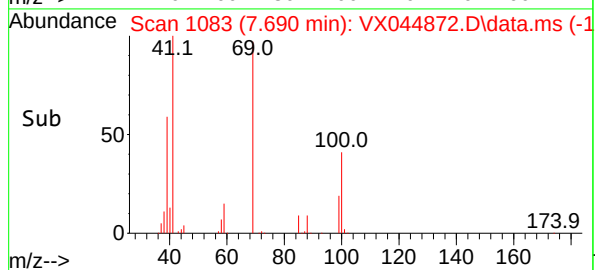
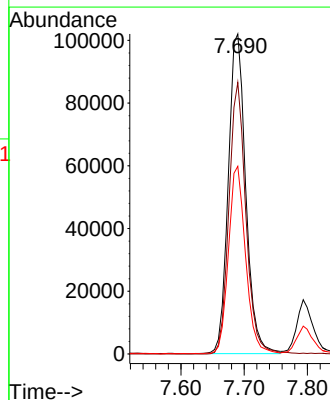
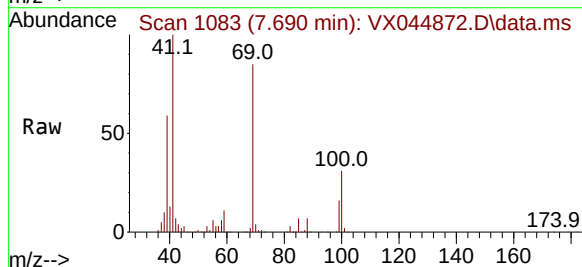
Manual Integrations
APPROVED

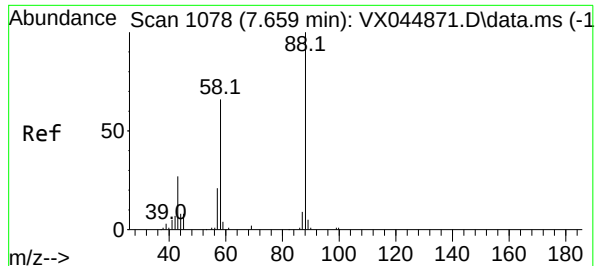
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#48
Methyl methacrylate
Concen: 104.321 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 41 Resp: 195892
Ion Ratio Lower Upper
41 100
69 82.1 65.8 98.8
39 57.3 46.4 69.6





#49

1,4-Dioxane

Concen: 1931.508 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 88 Resp: 77810

Ion Ratio Lower Upper

88 100

43 31.8 26.6 39.8

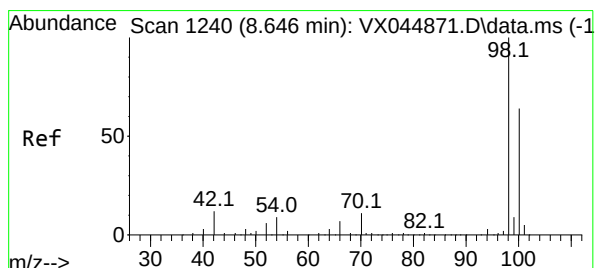
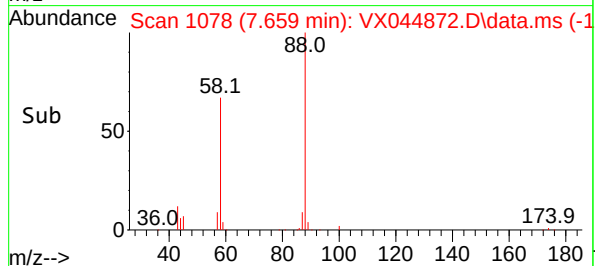
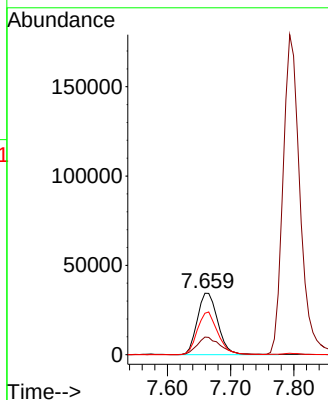
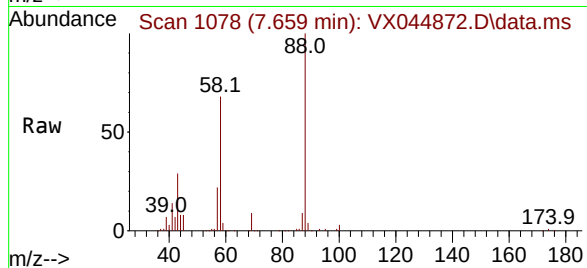
58 68.9 55.9 83.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#50

Toluene-d8

Concen: 98.253 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044872.D

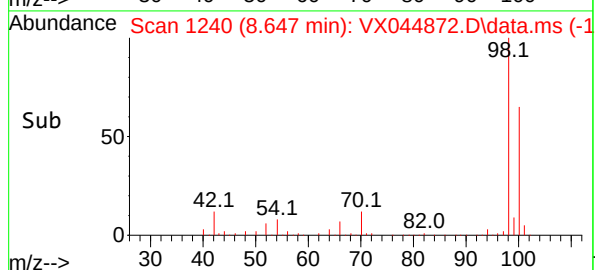
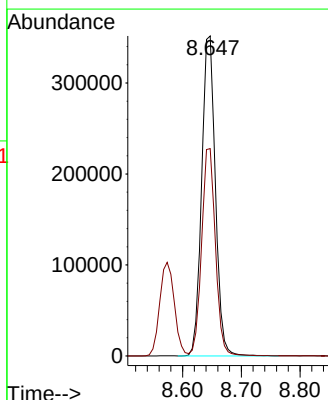
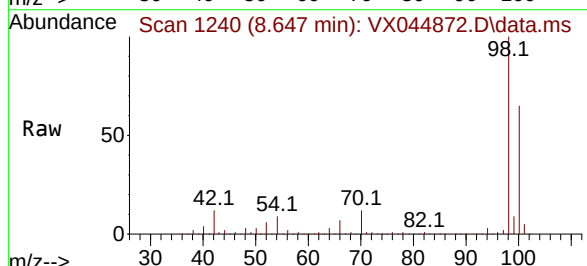
Acq: 10 Feb 2025 12:05

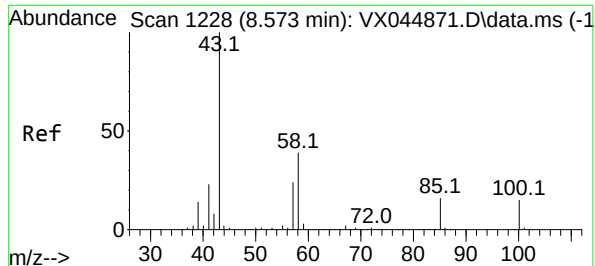
Tgt Ion: 98 Resp: 570976

Ion Ratio Lower Upper

98 100

100 65.2 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 494.353 ug/l

RT: 8.574 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 119688

Ion Ratio Lower Upper

43 100

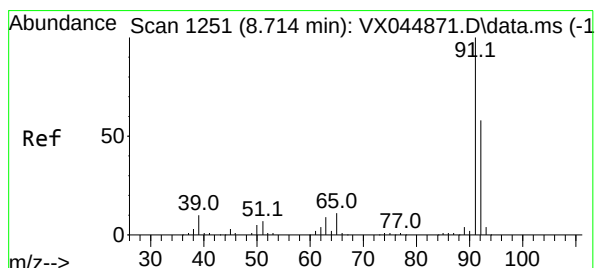
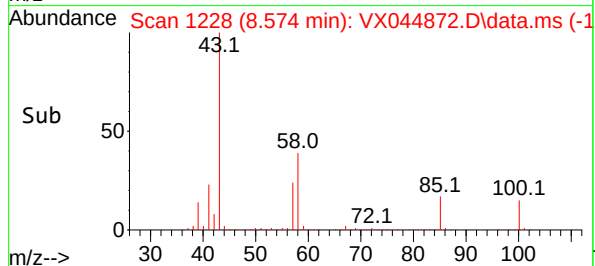
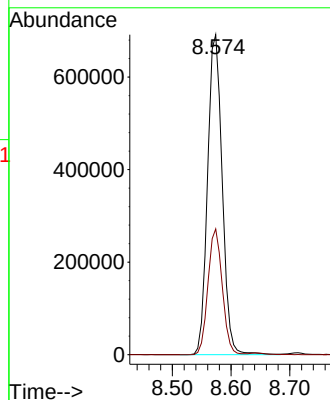
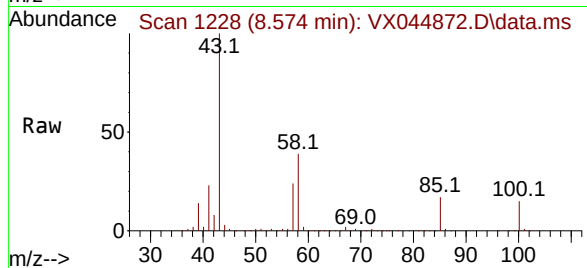
58 38.4 30.8 46.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#52

Toluene

Concen: 99.270 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX044872.D

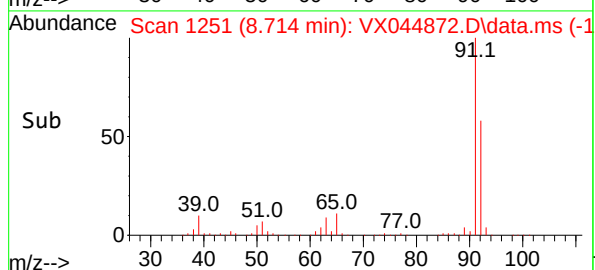
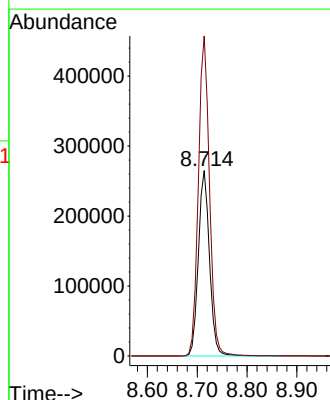
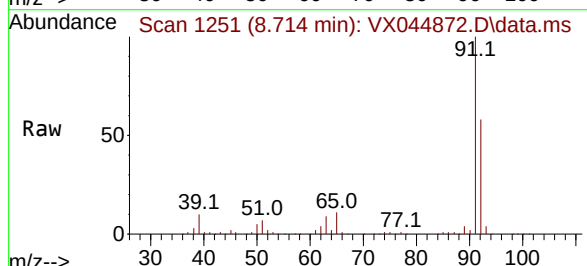
Acq: 10 Feb 2025 12:05

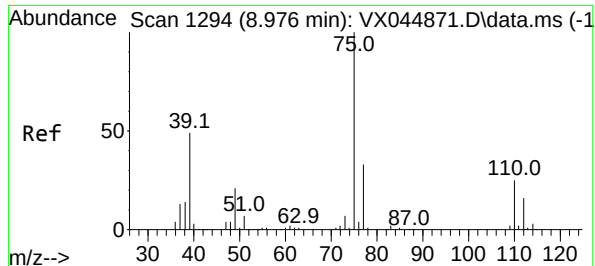
Tgt Ion: 92 Resp: 409318

Ion Ratio Lower Upper

92 100

91 173.0 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 106.694 ug/l

RT: 8.970 min Scan# 1193

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 75 Resp: 249725

Ion Ratio Lower Upper

75 100

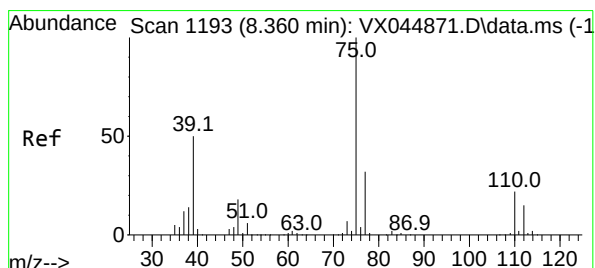
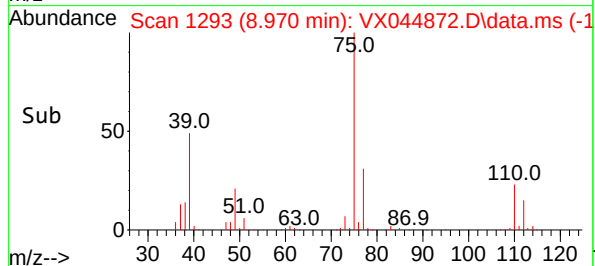
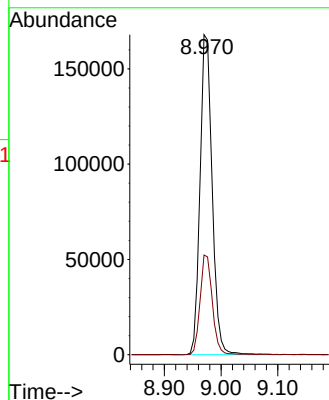
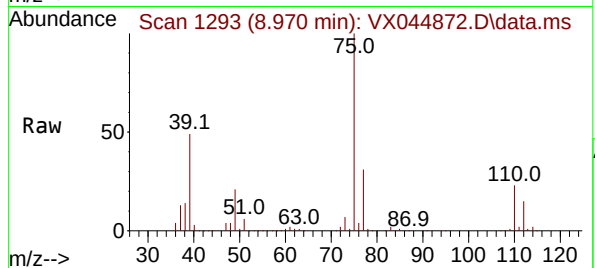
77 31.2 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#54

cis-1,3-Dichloropropene

Concen: 106.287 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

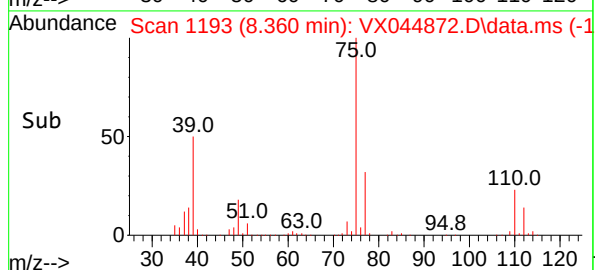
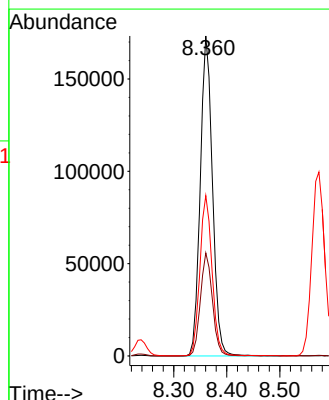
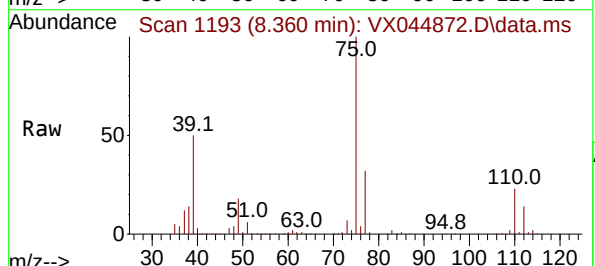
Tgt Ion: 75 Resp: 277371

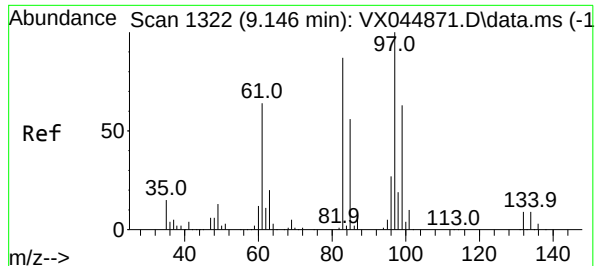
Ion Ratio Lower Upper

75 100

77 32.2 25.3 37.9

39 50.1 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 98.817 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 156629

Ion Ratio Lower Upper

97 100

83 88.0 69.8 104.6

85 56.2 44.8 67.2

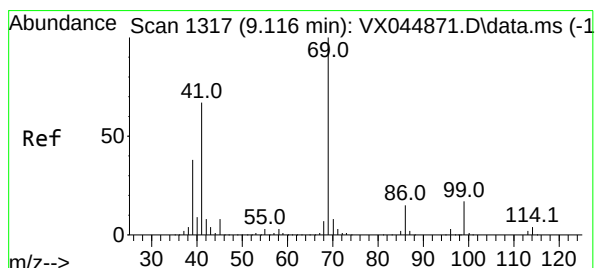
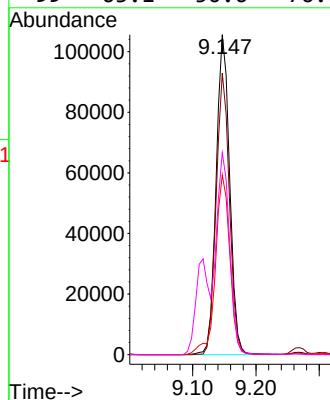
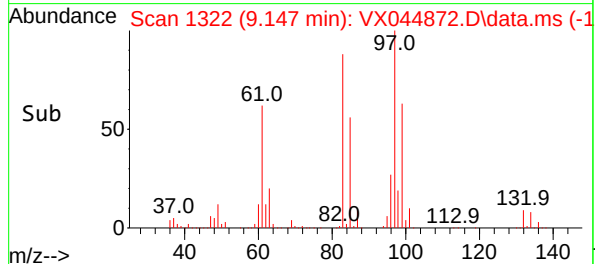
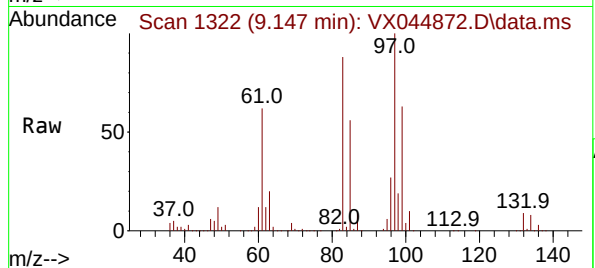
99 63.1 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#56

Ethyl methacrylate

Concen: 104.958 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

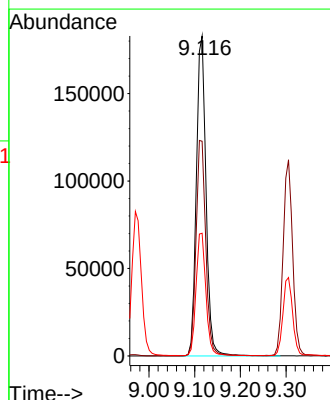
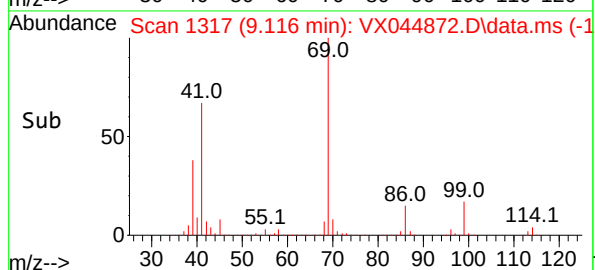
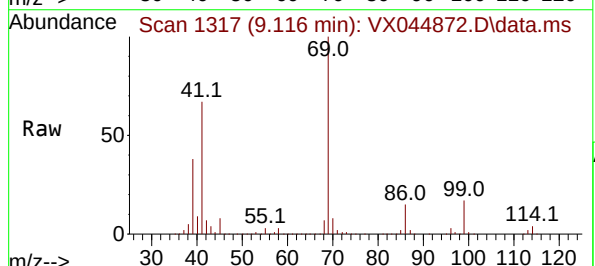
Tgt Ion: 69 Resp: 268693

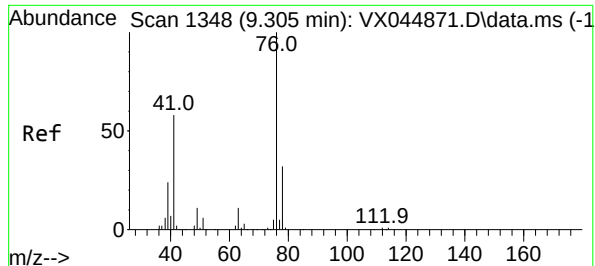
Ion Ratio Lower Upper

69 100

41 68.0 55.2 82.8

39 39.2 30.8 46.2





#57

1,3-Dichloropropane

Concen: 98.742 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 27384

Ion Ratio Lower Upper

76 100

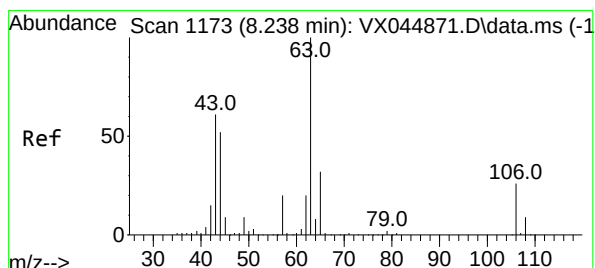
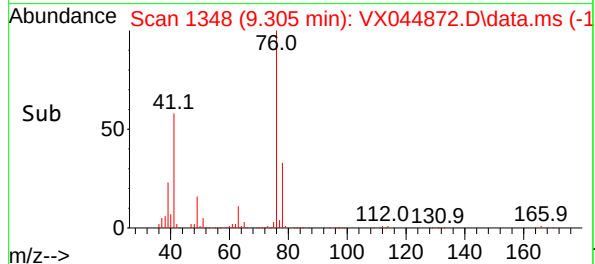
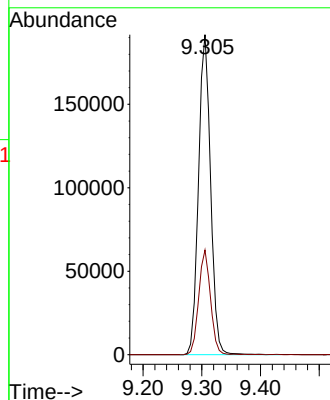
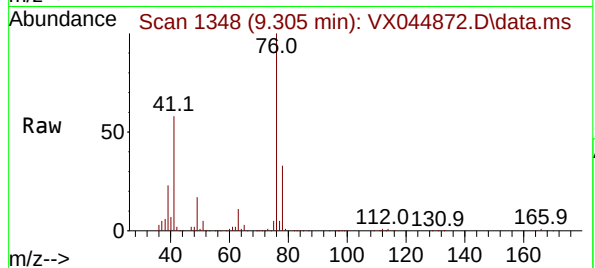
78 32.0 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#58

2-Chloroethyl Vinyl ether

Concen: 528.405 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044872.D

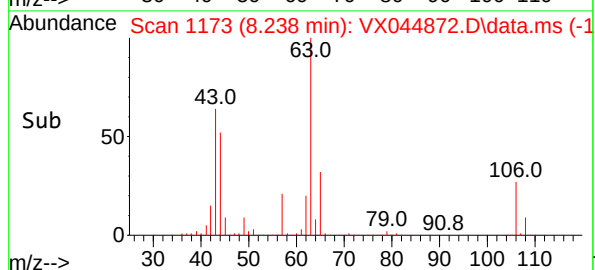
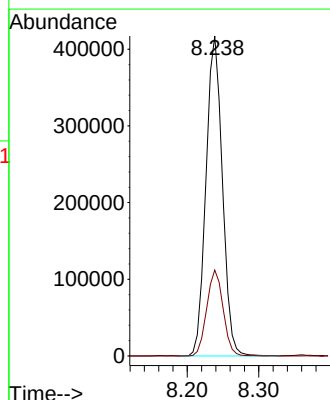
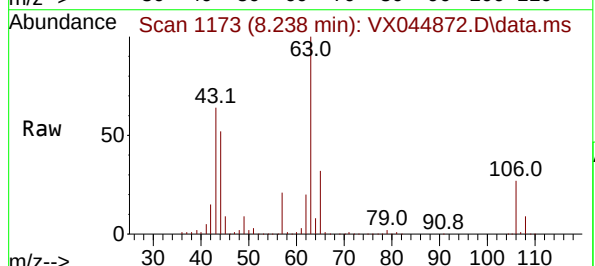
Acq: 10 Feb 2025 12:05

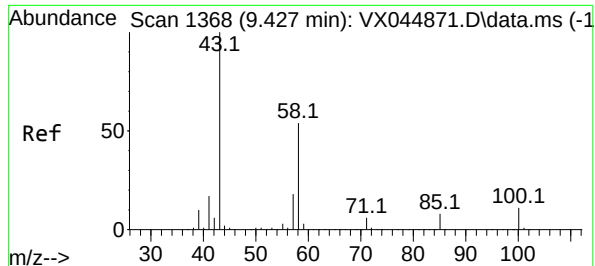
Tgt Ion: 63 Resp: 664198

Ion Ratio Lower Upper

63 100

106 26.8 21.3 31.9





#59

2-Hexanone

Concen: 499.819 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 871904

Ion Ratio Lower Upper

43 100

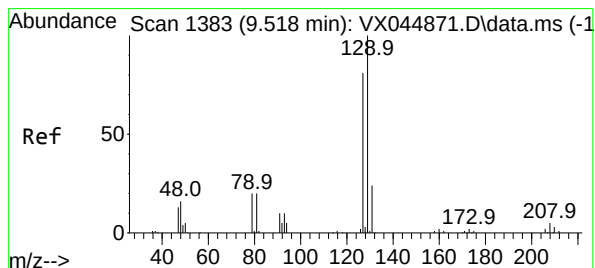
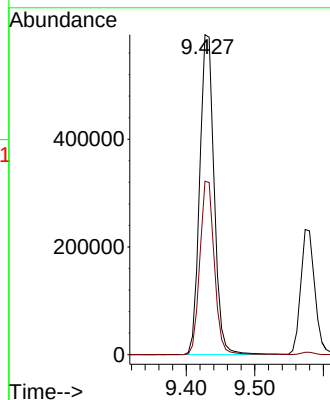
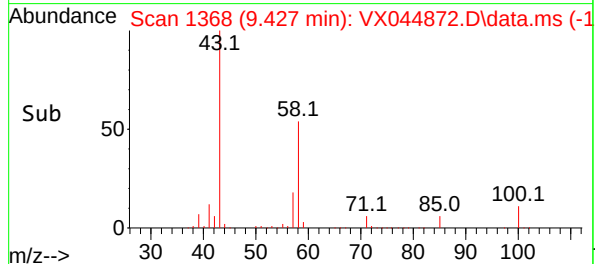
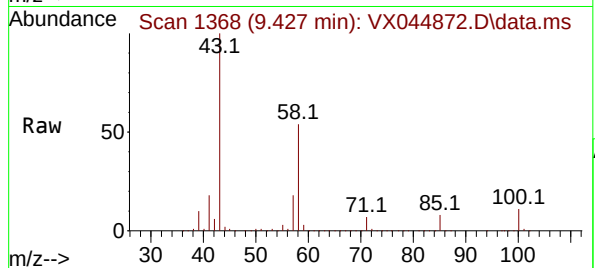
58 54.4 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#60

Dibromochloromethane

Concen: 102.557 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044872.D

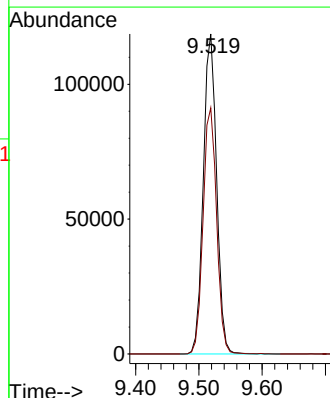
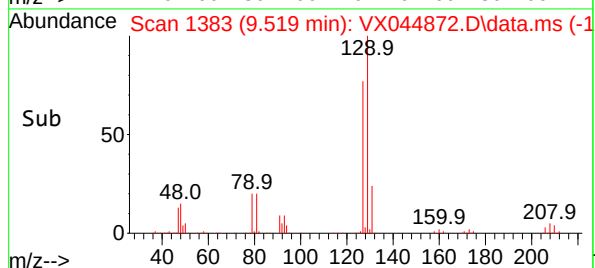
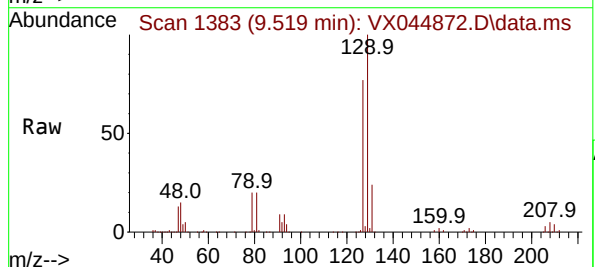
Acq: 10 Feb 2025 12:05

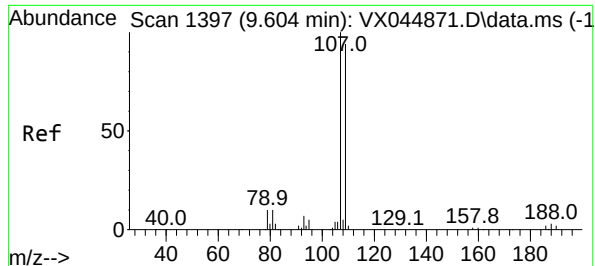
Tgt Ion:129 Resp: 173848

Ion Ratio Lower Upper

129 100

127 78.3 39.1 117.3





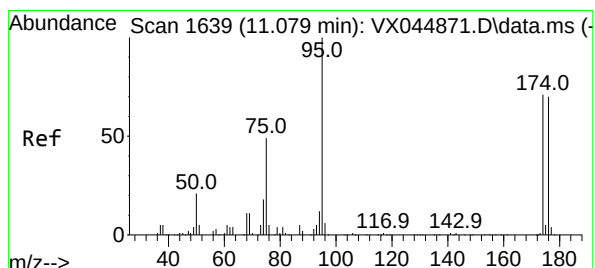
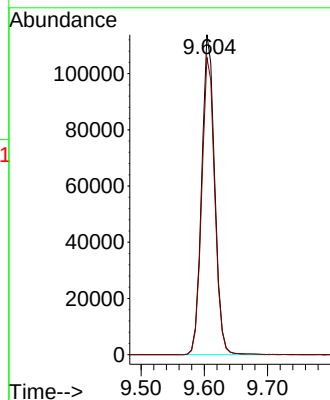
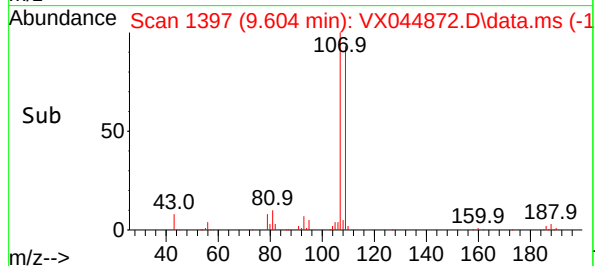
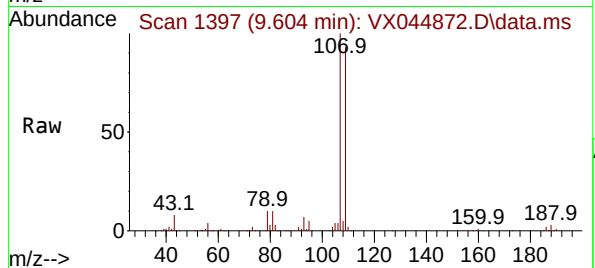
#61
1,2-Dibromoethane
Concen: 101.451 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 16298
Ion Ratio Lower Upper
107 100
109 93.1 75.9 113.9

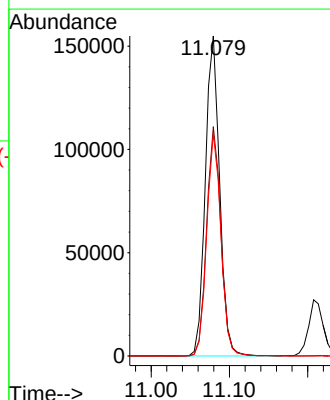
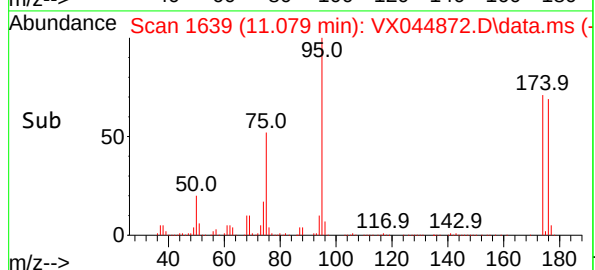
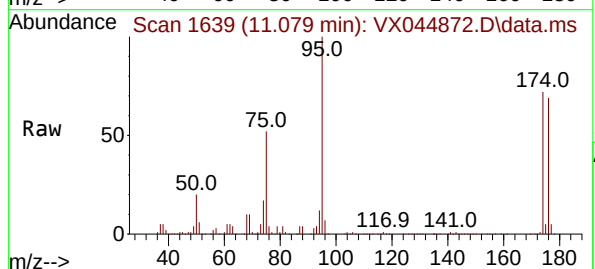
Manual Integrations
APPROVED

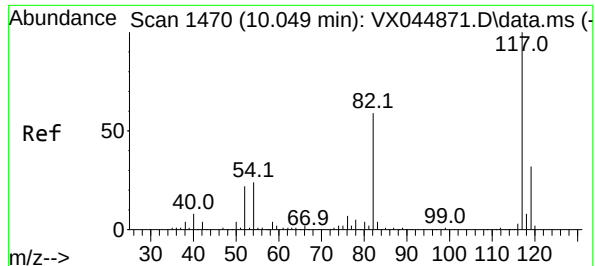
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#62
4-Bromofluorobenzene
Concen: 100.079 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 95 Resp: 196066
Ion Ratio Lower Upper
95 100
174 71.6 0.0 142.6
176 68.8 0.0 141.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:117 Resp: 20388

Ion Ratio Lower Upper

117 100

82 58.5 47.5 71.3

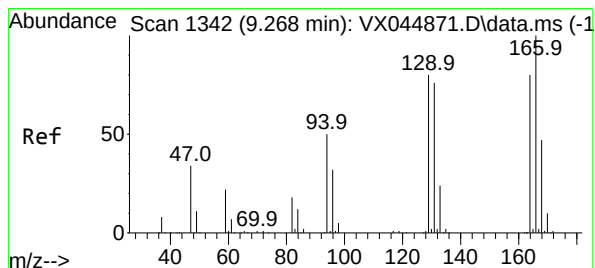
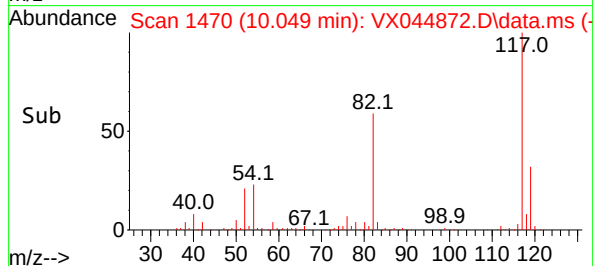
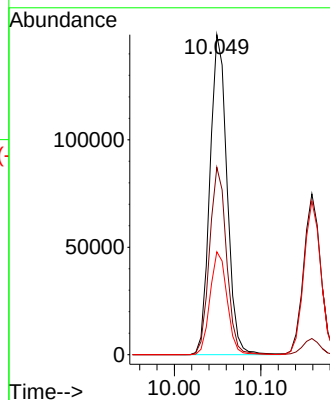
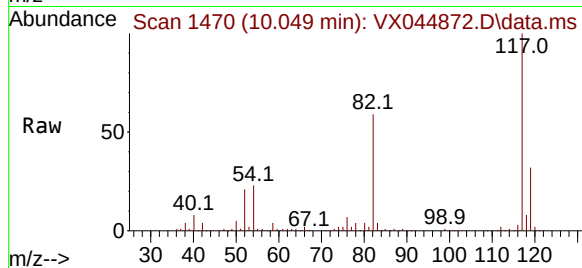
119 32.2 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#64

Tetrachloroethene

Concen: 97.447 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Tgt Ion:164 Resp: 125294

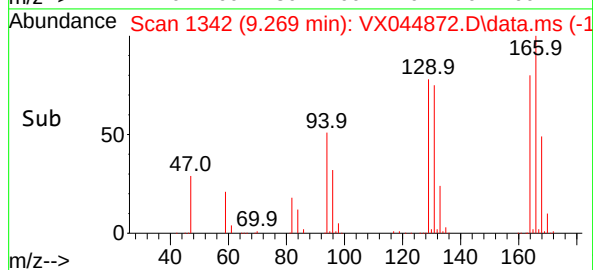
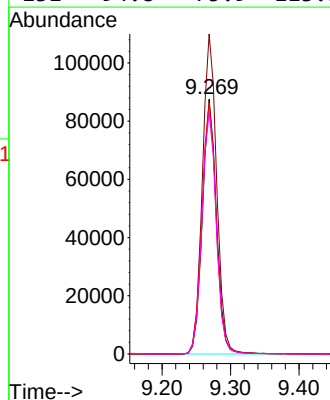
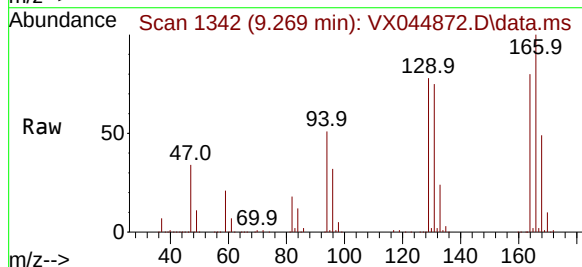
Ion Ratio Lower Upper

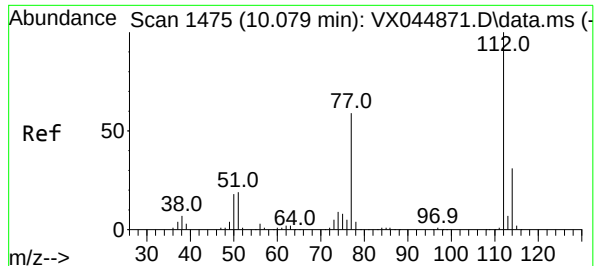
164 100

166 125.6 100.4 150.6

129 98.6 79.9 119.9

131 94.8 75.9 113.9





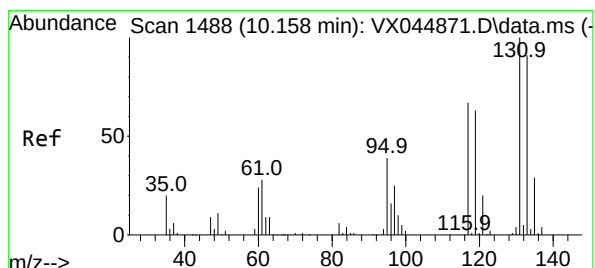
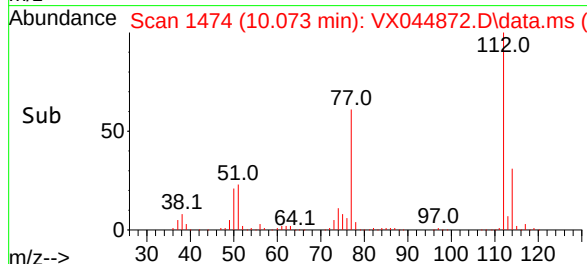
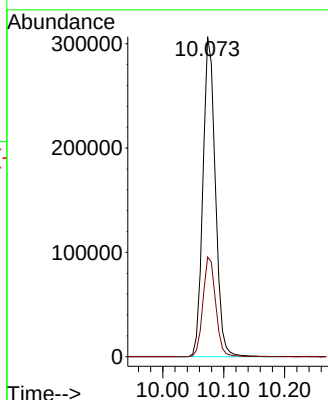
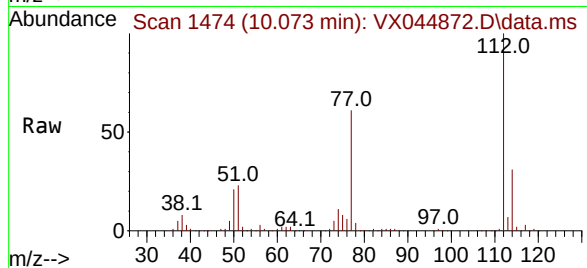
#65
Chlorobenzene
Concen: 99.694 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 43656
Ion Ratio Lower Upper
112 100
114 31.2 25.0 37.6

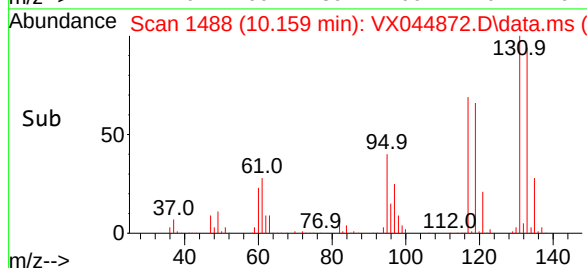
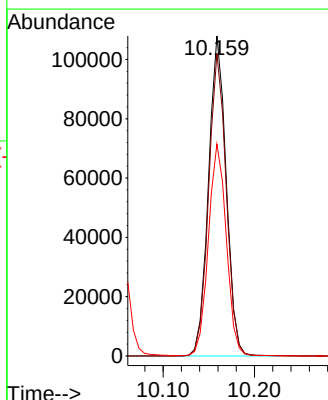
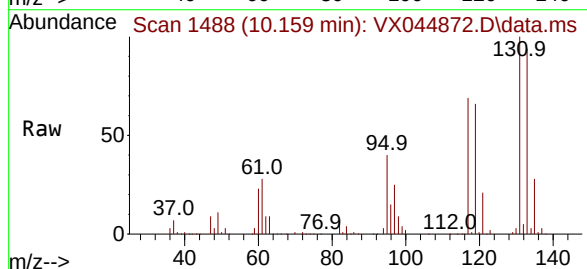
Manual Integrations
APPROVED

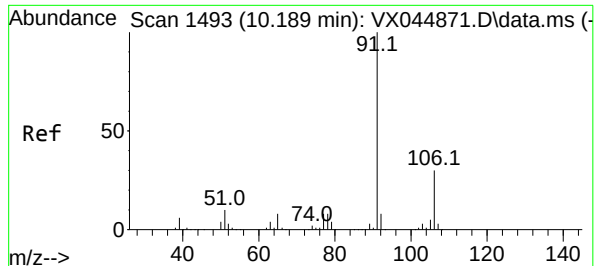
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 102.728 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:131 Resp: 144793
Ion Ratio Lower Upper
131 100
133 94.1 47.1 141.3
119 67.2 33.6 100.6





#67

Ethyl Benzene

Concen: 101.477 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 784184

Ion Ratio Lower Upper

91 100

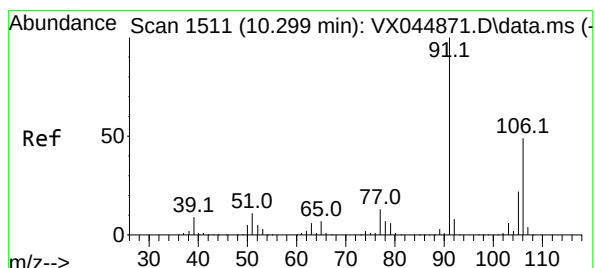
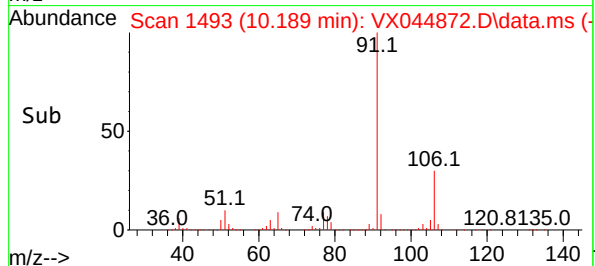
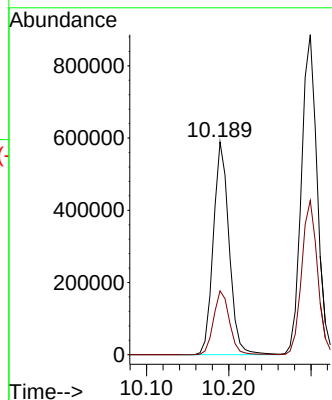
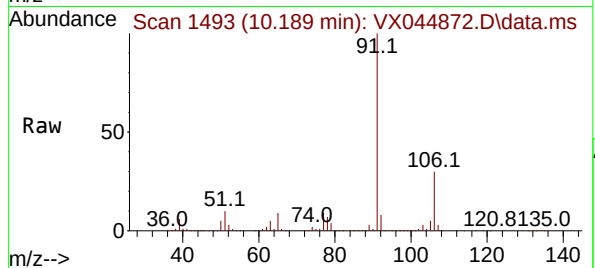
106 30.0 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#68

m/p-Xylenes

Concen: 201.907 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044872.D

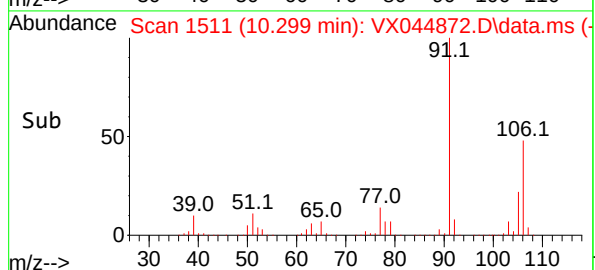
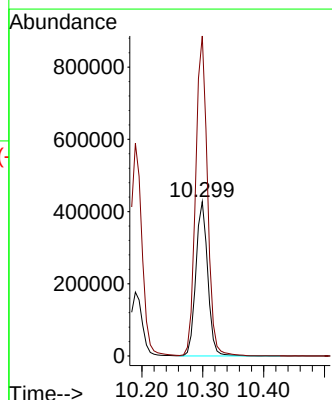
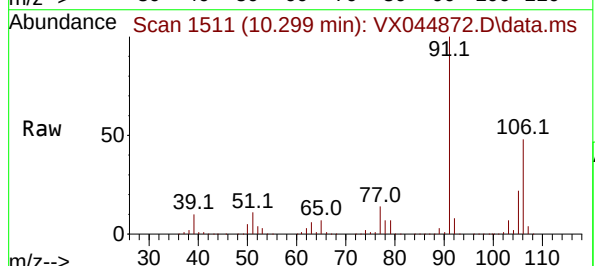
Acq: 10 Feb 2025 12:05

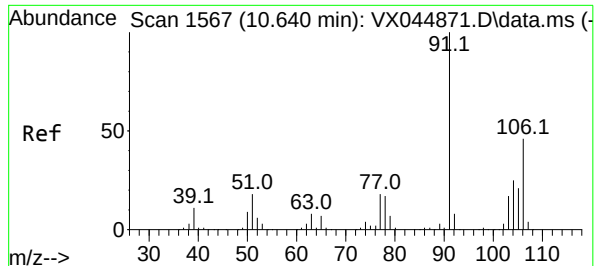
Tgt Ion:106 Resp: 575559

Ion Ratio Lower Upper

106 100

91 207.1 164.3 246.5





#69

o-Xylene

Concen: 98.530 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion:106 Resp: 281830

Ion Ratio Lower Upper

106 100

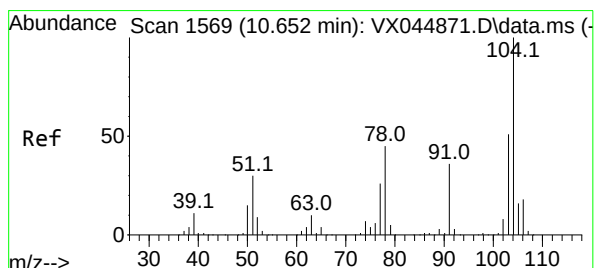
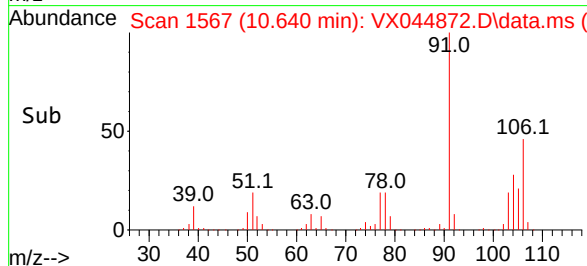
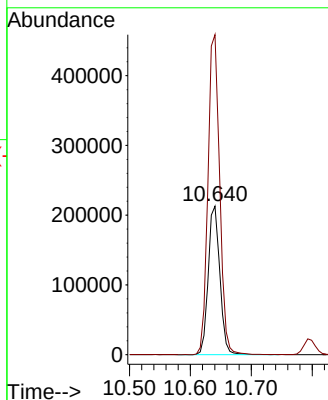
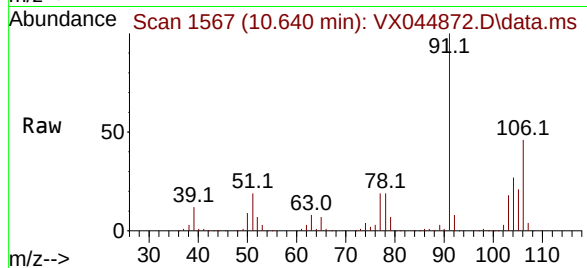
91 217.3 108.5 325.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#70

Styrene

Concen: 102.728 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

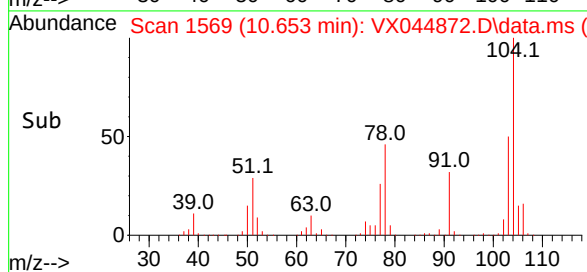
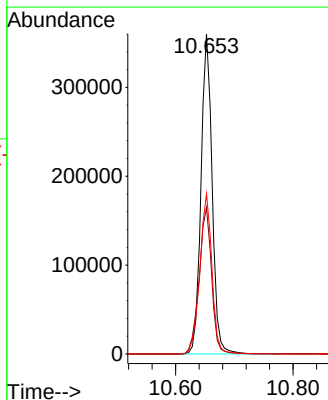
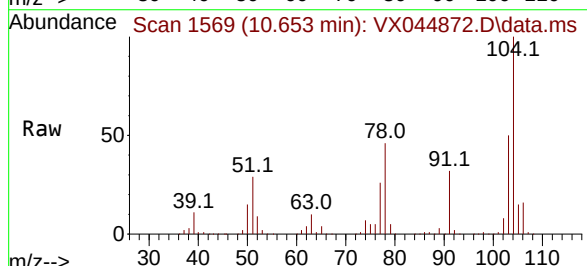
Tgt Ion:104 Resp: 473403

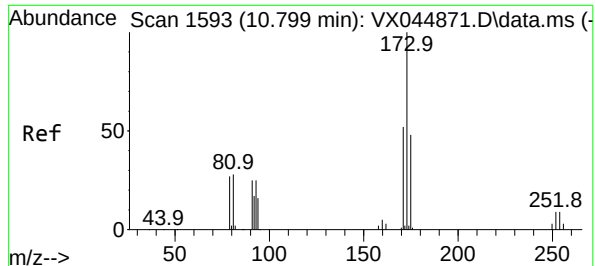
Ion Ratio Lower Upper

104 100

78 51.5 40.5 60.7

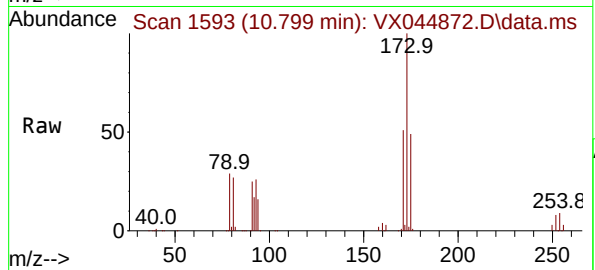
103 54.5 43.6 65.4





#71
Bromoform
Concen: 106.827 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

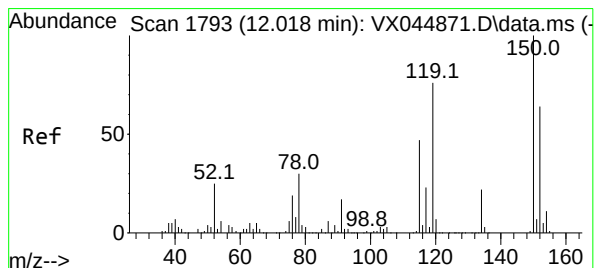
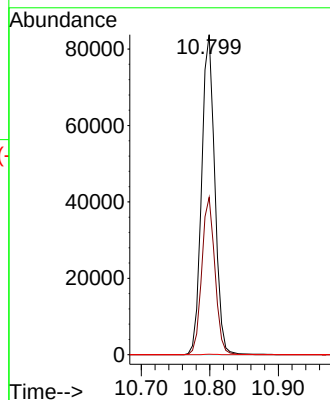
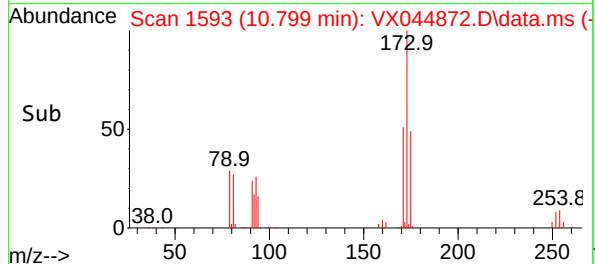
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:173 Resp: 11237
Ion Ratio Lower Upper
173 100
175 49.0 24.3 72.8
254 0.1 0.0 0.0

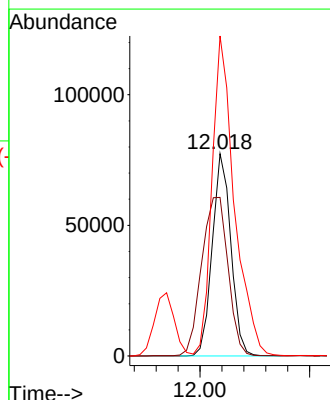
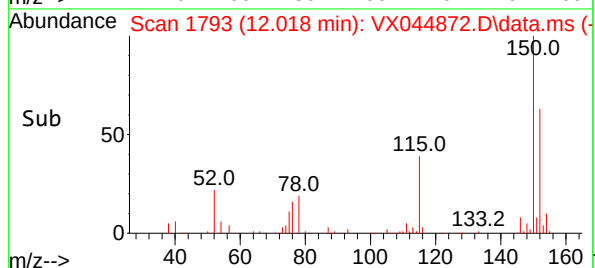
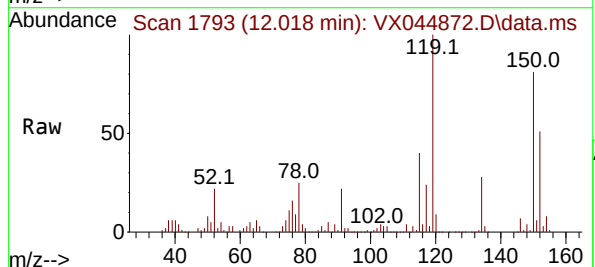
Manual Integrations
APPROVED

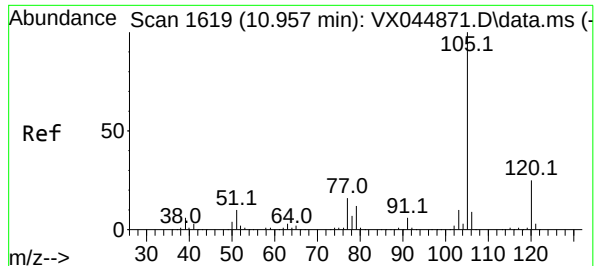
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:152 Resp: 91371
Ion Ratio Lower Upper
152 100
115 111.2 43.4 130.1
150 189.1 0.0 350.4





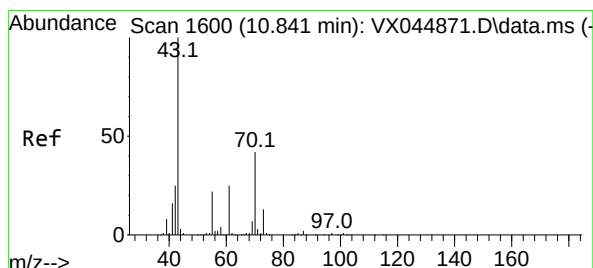
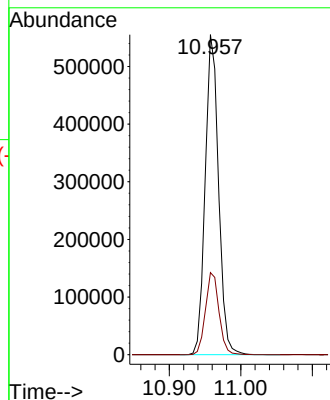
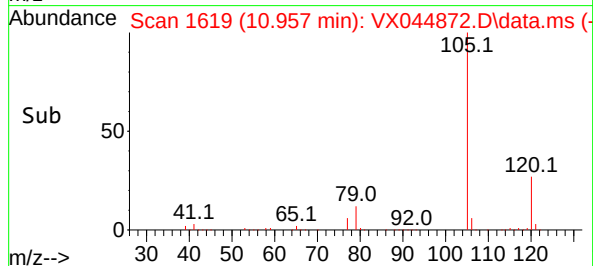
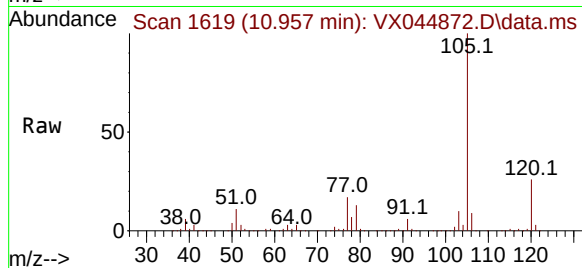
#73
Isopropylbenzene
Concen: 97.854 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 105 Resp: 71992
Ion Ratio Lower Upper
105 100
120 26.0 13.2 39.5

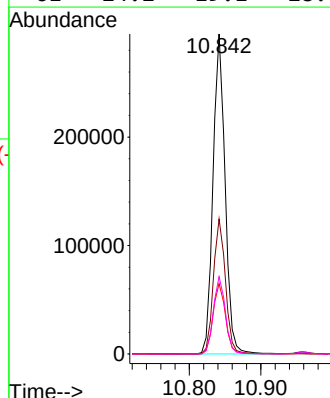
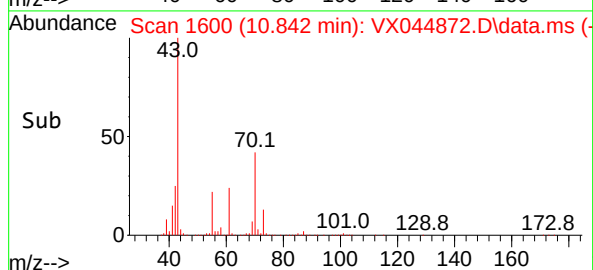
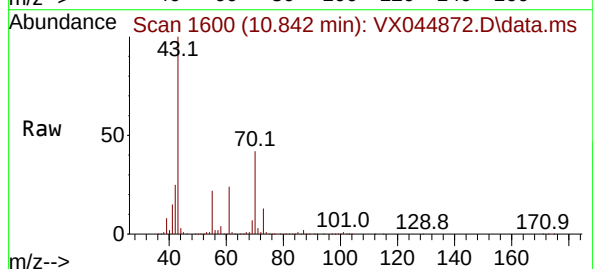
Manual Integrations
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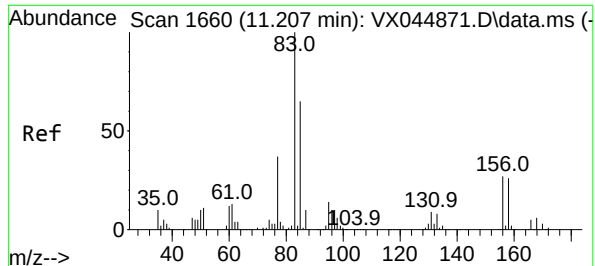
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#74
N-ethyl acetate
Concen: 103.687 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 345193
Ion Ratio Lower Upper
43 100
70 42.4 33.7 50.5
55 22.6 18.6 27.8
61 24.2 19.1 28.7





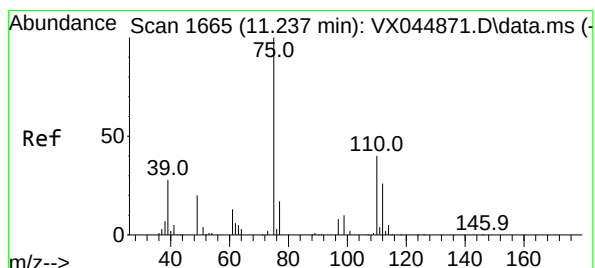
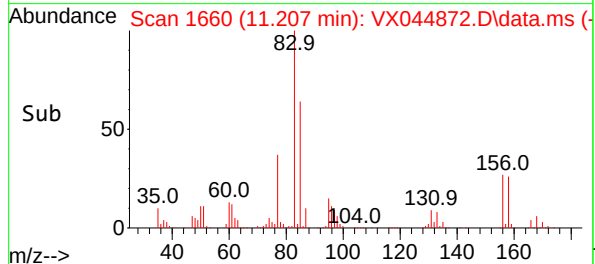
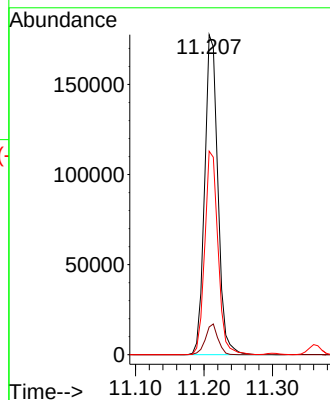
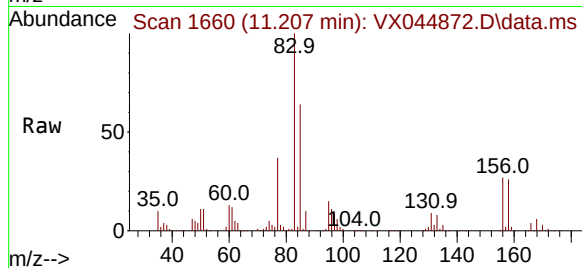
#75
1,1,2,2-Tetrachloroethane
Concen: 94.351 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 238529
Ion Ratio Lower Upper
83 100
131 9.1 4.5 13.5
85 63.9 32.3 96.8

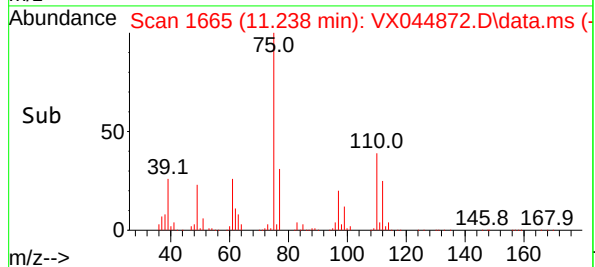
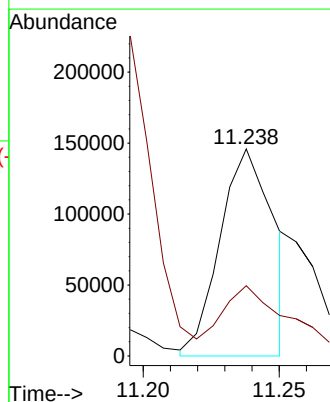
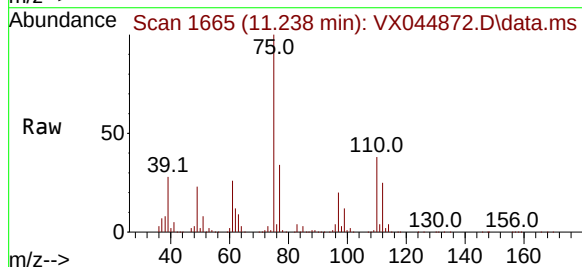
Manual Integrations
APPROVED

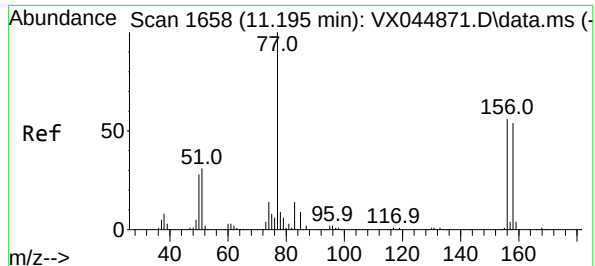
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#76
1,2,3-Trichloropropane
Concen: 97.896 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

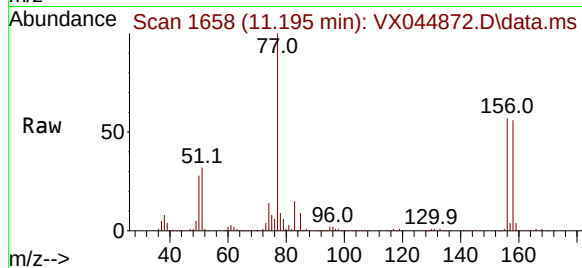
Tgt Ion: 75 Resp: 198320
Ion Ratio Lower Upper
75 100
77 43.4 21.9 65.7





#77
Bromobenzene
Concen: 98.230 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

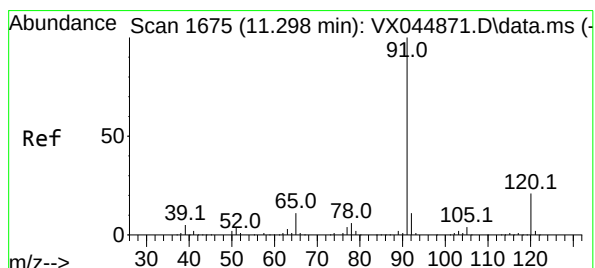
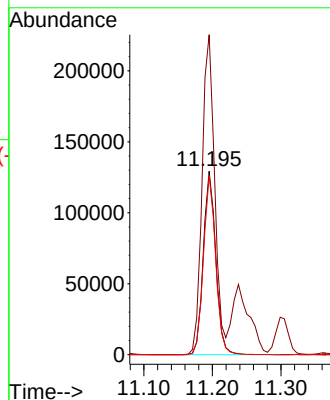
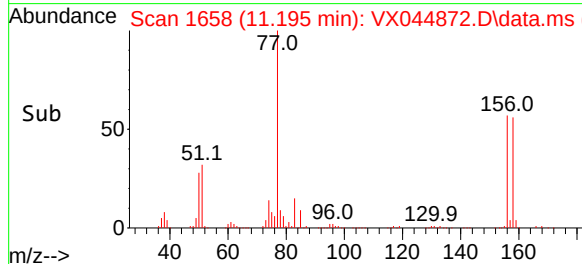
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



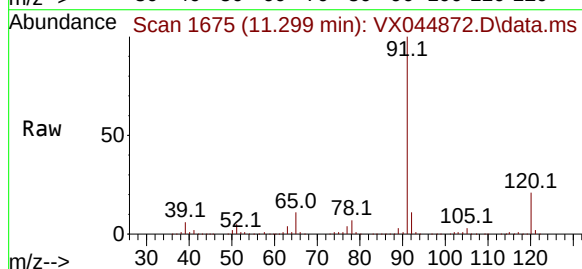
Tgt Ion: 156 Resp: 16384
Ion Ratio Lower Upper
156 100
77 176.7 88.4 265.3
158 95.7 48.4 145.2

Manual Integrations
APPROVED

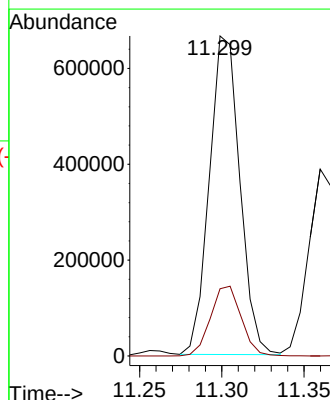
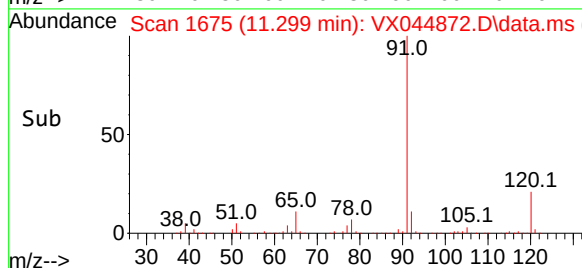
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

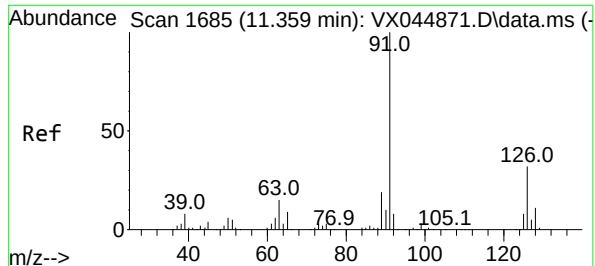


#78
n-propylbenzene
Concen: 101.132 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05



Tgt Ion: 91 Resp: 858793
Ion Ratio Lower Upper
91 100
120 22.1 11.1 33.3





#79

2-Chlorotoluene

Concen: 95.257 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 497149

Ion Ratio Lower Upper

91 100

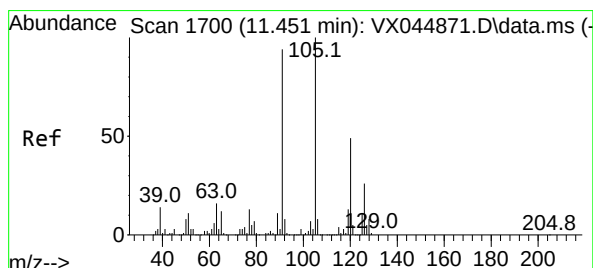
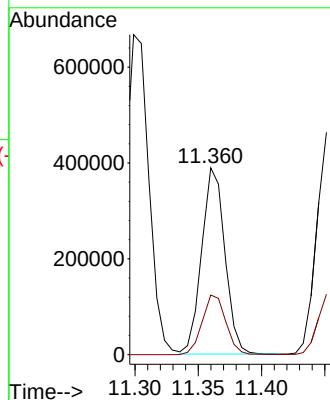
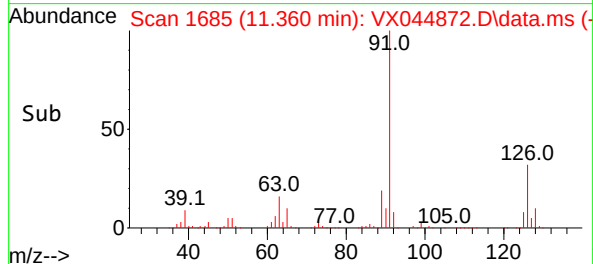
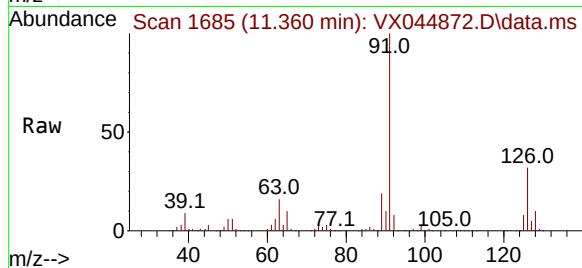
126 32.8 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#80

1,3,5-Trimethylbenzene

Concen: 97.966 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044872.D

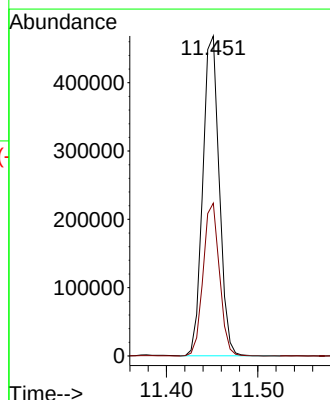
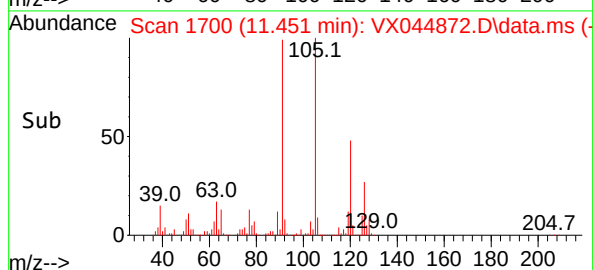
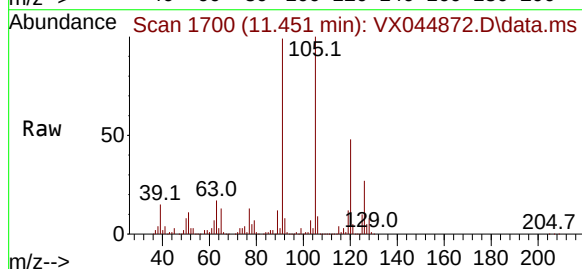
Acq: 10 Feb 2025 12:05

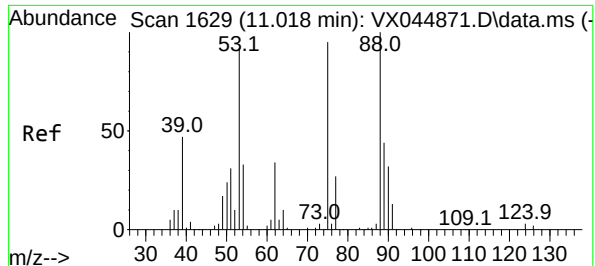
Tgt Ion:105 Resp: 584885

Ion Ratio Lower Upper

105 100

120 47.4 24.0 72.0





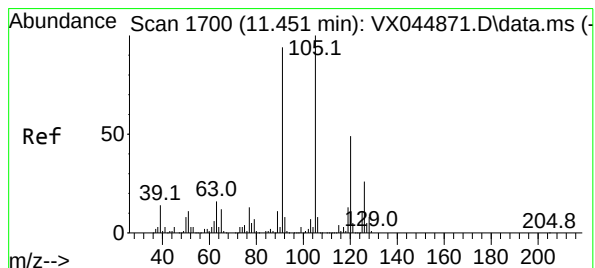
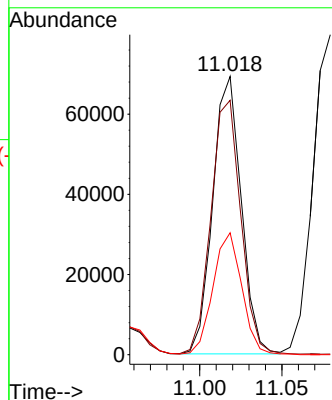
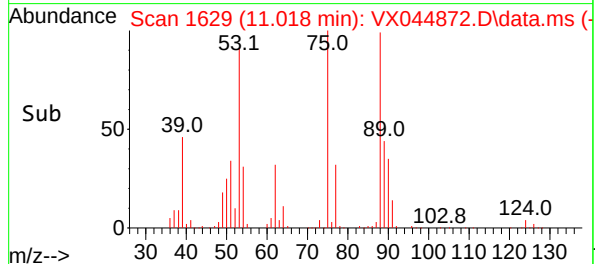
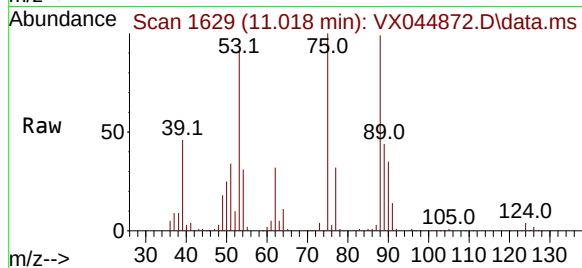
#81
trans-1,4-Dichloro-2-butene
Concen: 106.006 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 8348
Ion Ratio Lower Upper
75 100
53 95.9 78.0 117.0
89 44.6 36.6 54.8

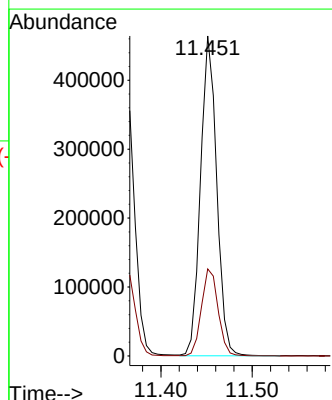
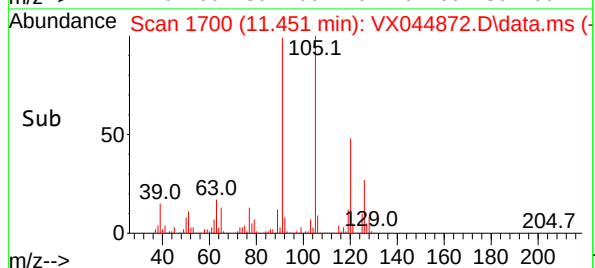
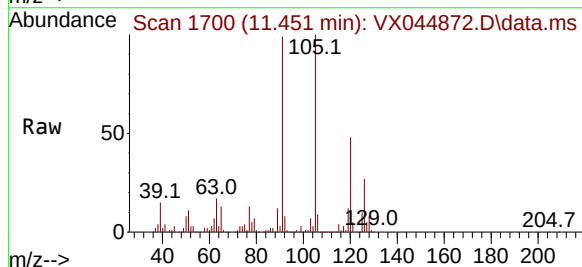
Manual Integrations
APPROVED

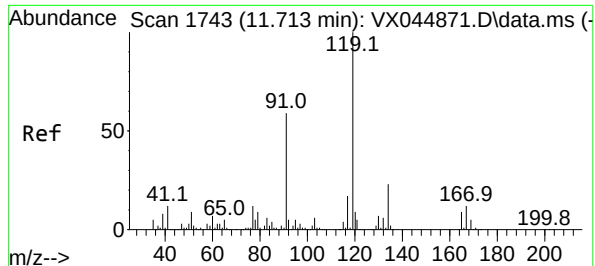
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#82
4-Chlorotoluene
Concen: 98.634 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 91 Resp: 569510
Ion Ratio Lower Upper
91 100
126 28.2 14.2 42.6





#83

tert-Butylbenzene

Concen: 97.917 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:119 Resp: 591390

Ion Ratio Lower Upper

119 100

91 59.2 29.1 87.4

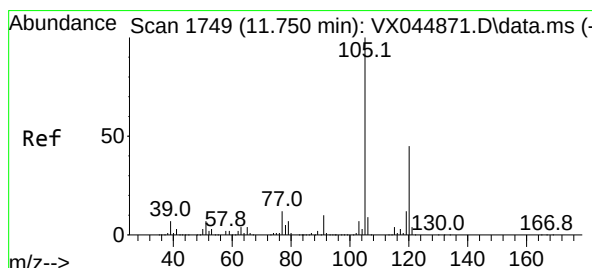
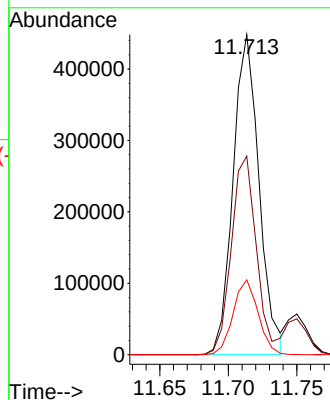
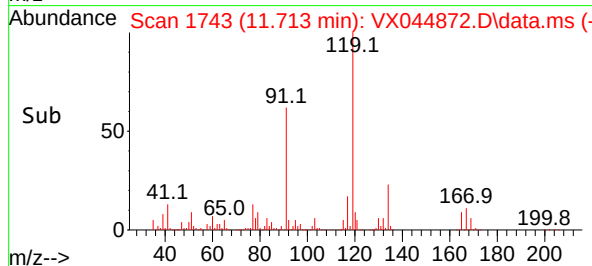
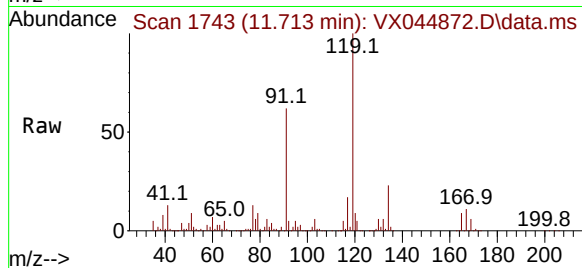
134 22.6 11.5 34.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#84

1,2,4-Trimethylbenzene

Concen: 99.851 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044872.D

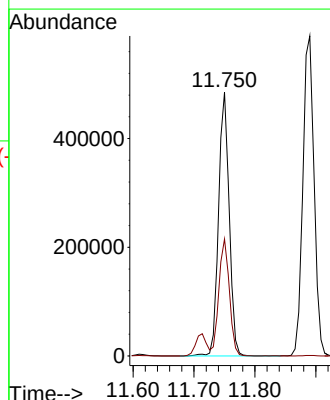
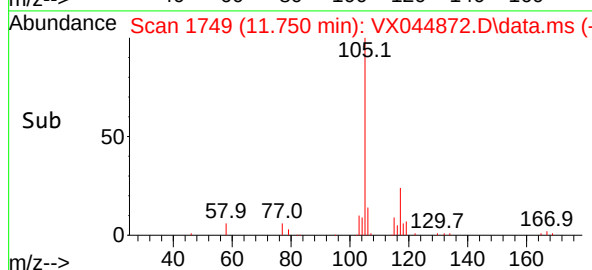
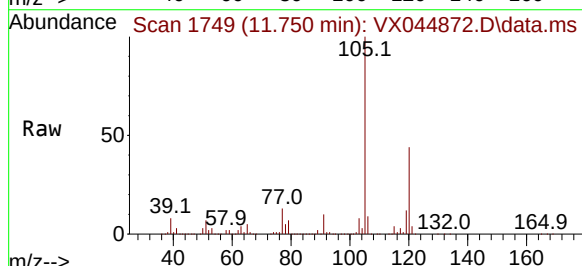
Acq: 10 Feb 2025 12:05

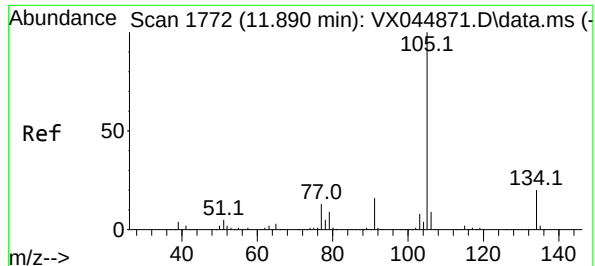
Tgt Ion:105 Resp: 588385

Ion Ratio Lower Upper

105 100

120 44.0 22.4 67.0





#85

sec-Butylbenzene

Concen: 100.219 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:105 Resp: 749534

Ion Ratio Lower Upper

105 100

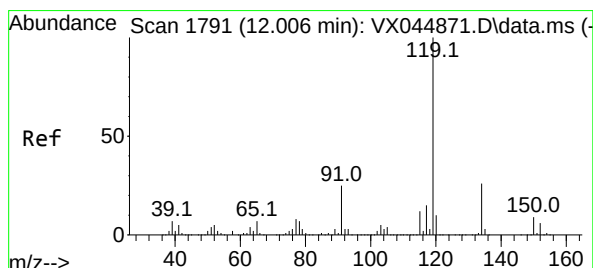
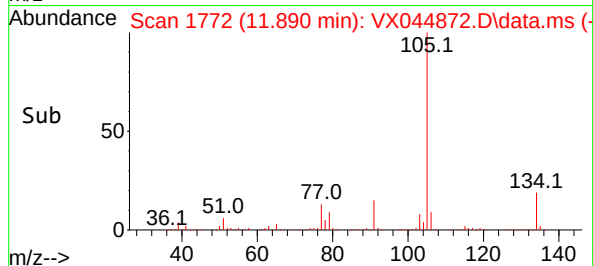
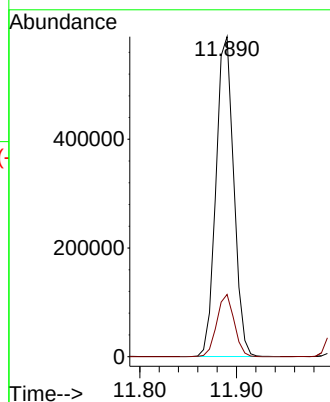
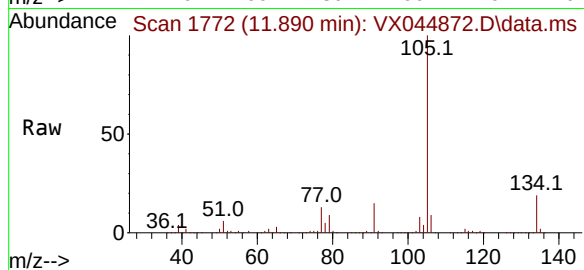
134 19.2 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#86

p-Isopropyltoluene

Concen: 101.019 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

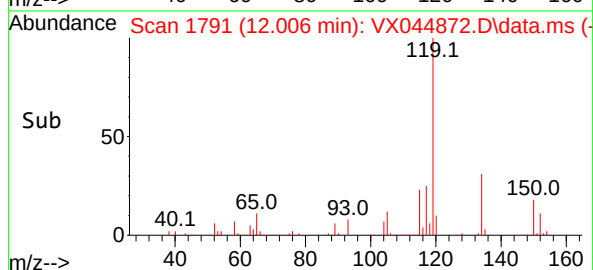
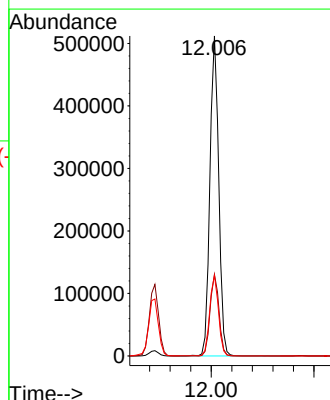
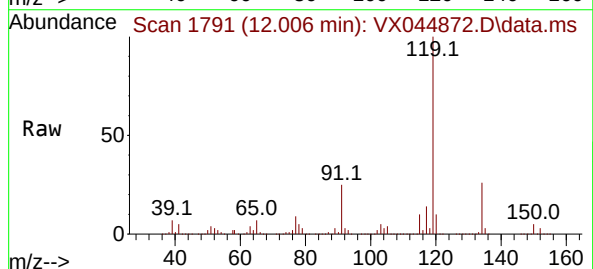
Tgt Ion:119 Resp: 607577

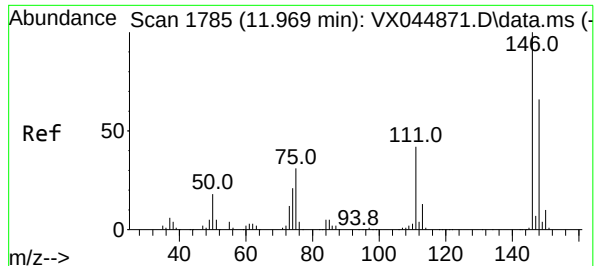
Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

91 25.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 99.061 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion:146 Resp: 30385

Ion Ratio Lower Upper

146 100

111 42.0 21.2 63.6

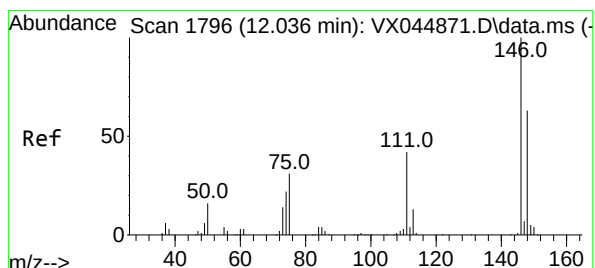
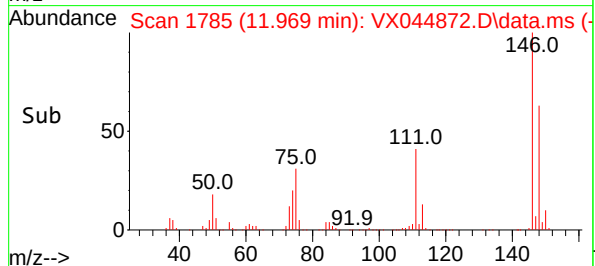
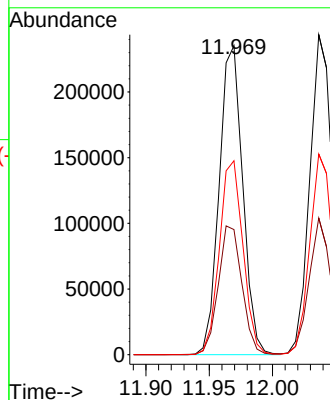
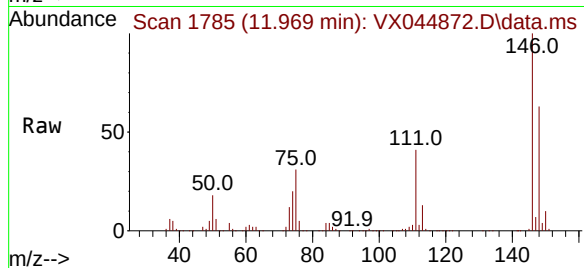
148 63.1 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#88

1,4-Dichlorobenzene

Concen: 97.830 ug/l

RT: 12.037 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

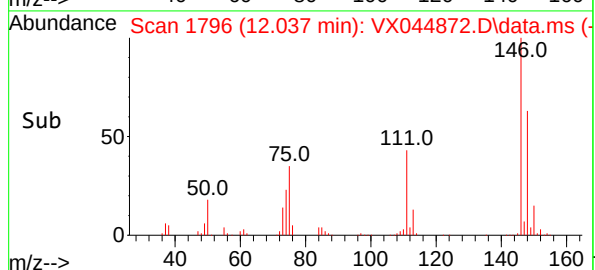
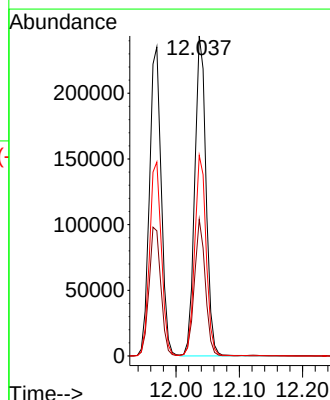
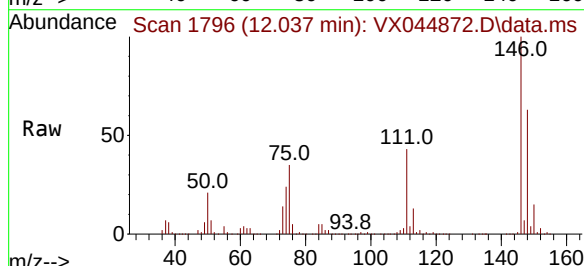
Tgt Ion:146 Resp: 303417

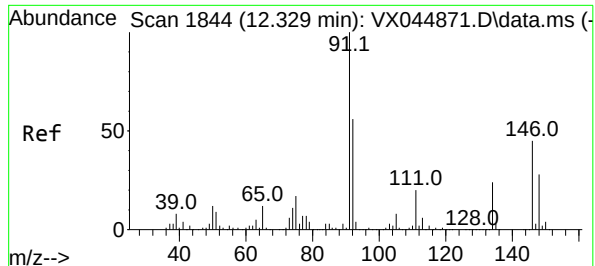
Ion Ratio Lower Upper

146 100

111 41.1 20.4 61.3

148 63.0 32.0 96.0





#89

n-Butylbenzene

Concen: 109.686 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 583634

Ion Ratio Lower Upper

91 100

92 54.2 27.2 81.6

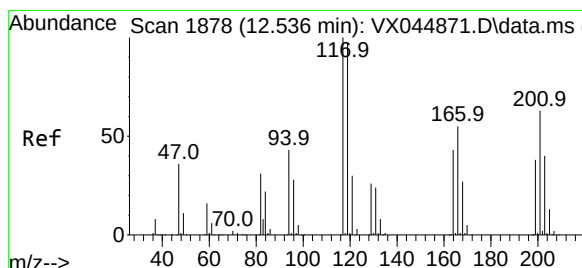
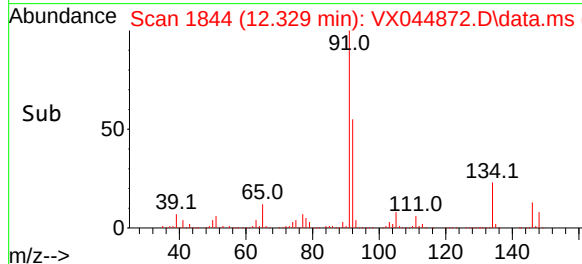
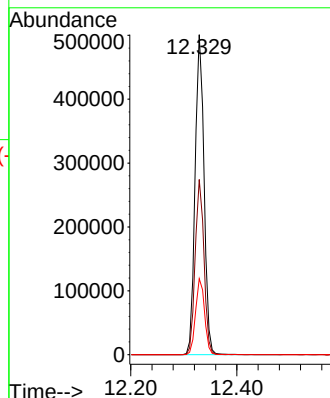
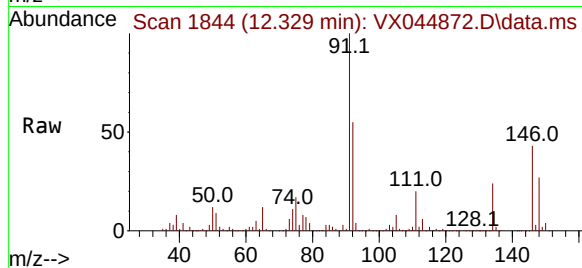
134 24.0 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#90

Hexachloroethane

Concen: 104.365 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044872.D

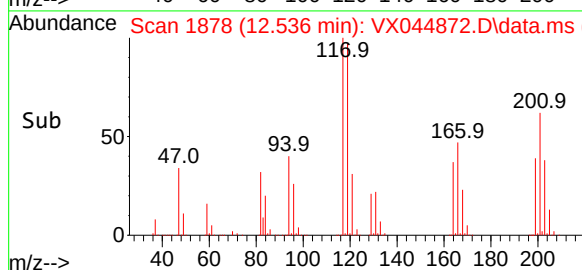
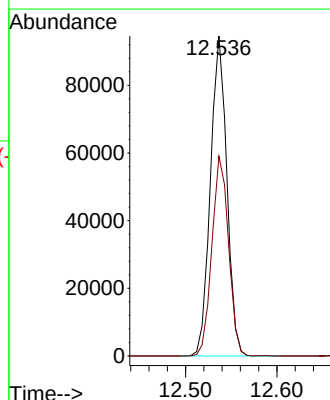
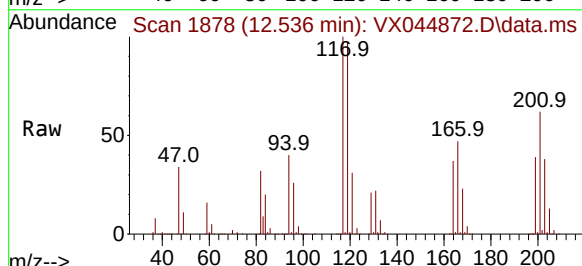
Acq: 10 Feb 2025 12:05

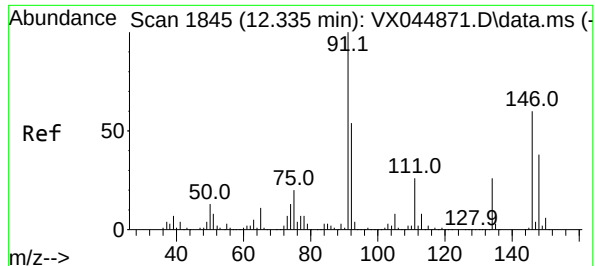
Tgt Ion:117 Resp: 117533

Ion Ratio Lower Upper

117 100

201 63.4 32.5 97.5





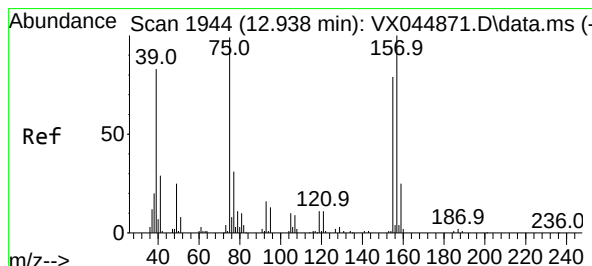
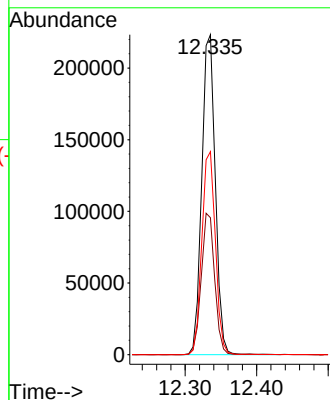
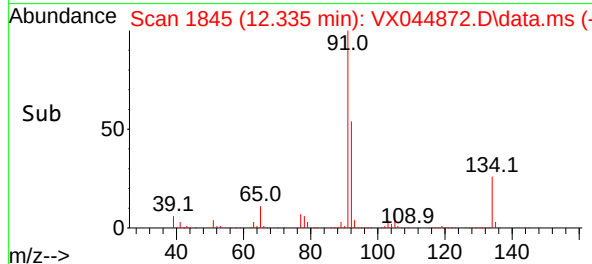
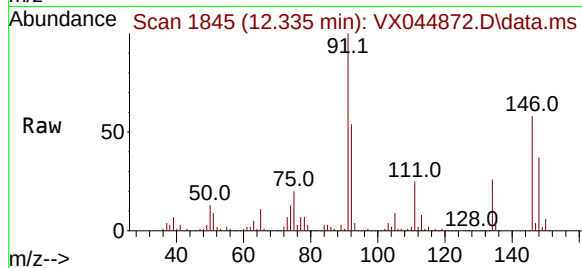
#91
1,2-Dichlorobenzene
Concen: 97.244 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 29315
Ion Ratio Lower Upper
146 100
111 43.7 21.8 65.4
148 63.9 31.9 95.9

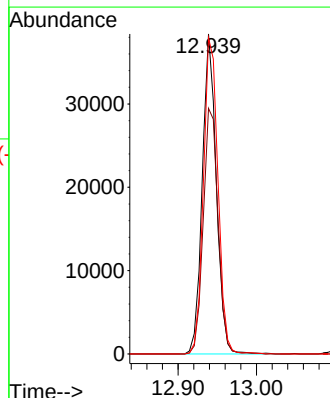
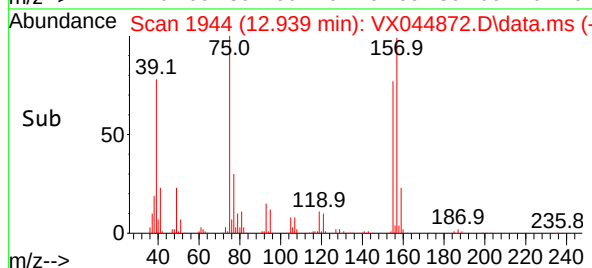
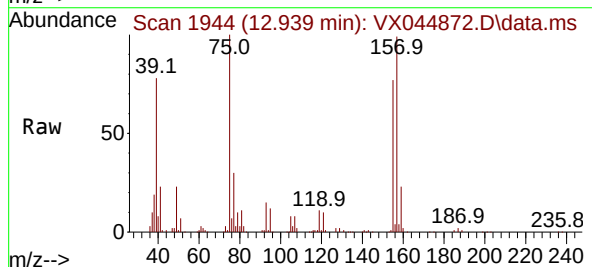
Manual Integrations
APPROVED

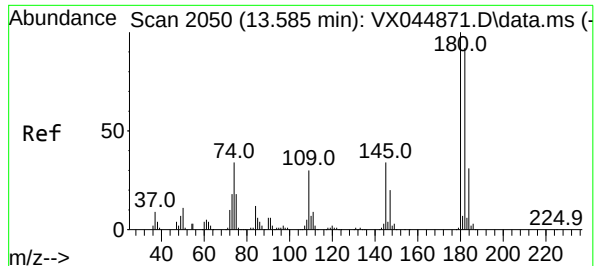
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 103.477 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 47745
Ion Ratio Lower Upper
75 100
155 81.0 40.5 121.4
157 102.3 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 105.921 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

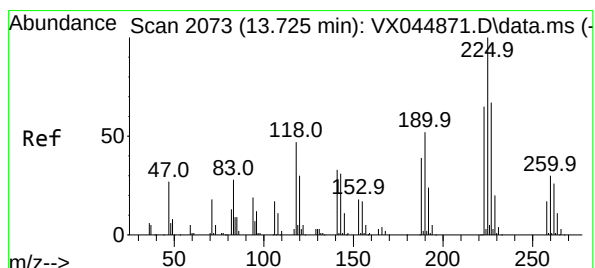
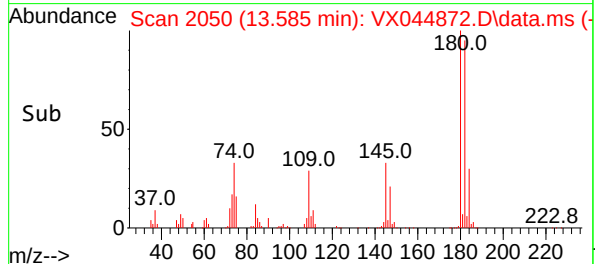
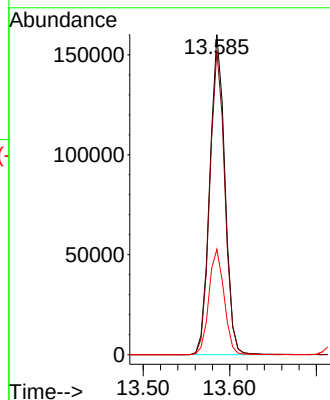
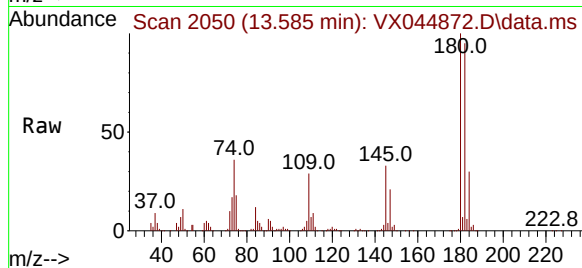
VSTDICC100

Tgt Ion:	180	Resp:	193214
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.6	142.8
145	33.2	16.4	49.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#94

Hexachlorobutadiene

Concen: 103.024 ug/l

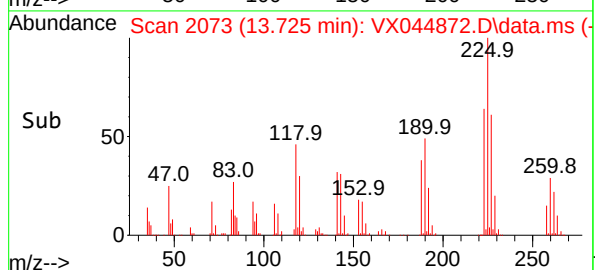
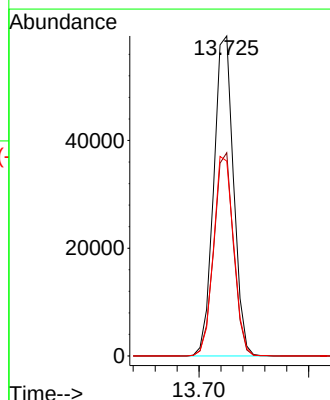
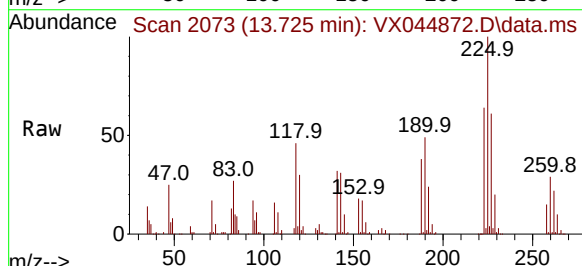
RT: 13.725 min Scan# 2073

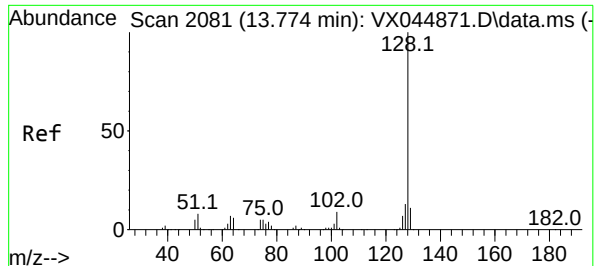
Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

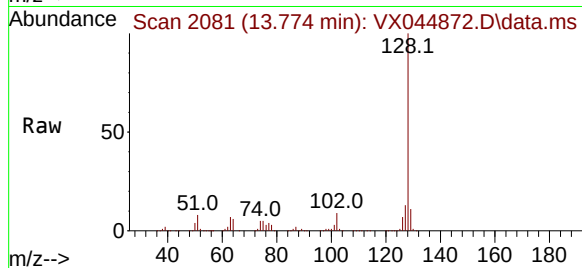
Tgt Ion:	225	Resp:	74605
Ion Ratio	Lower	Upper	
225	100		
223	62.9	31.4	94.2
227	63.5	32.3	96.8





#95
Naphthalene
Concen: 104.505 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

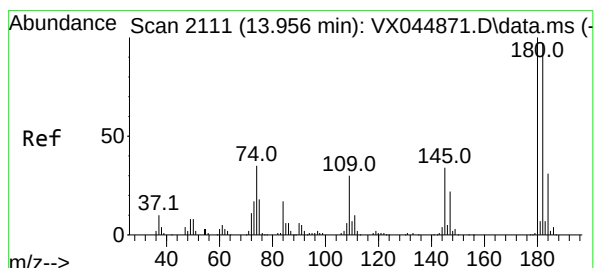
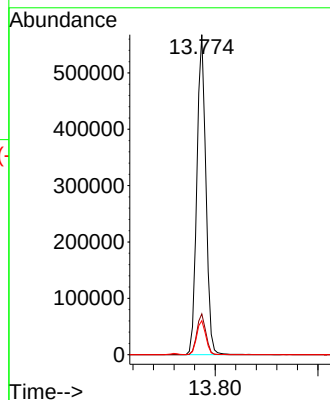
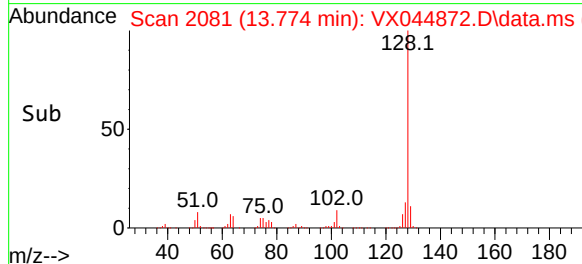
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



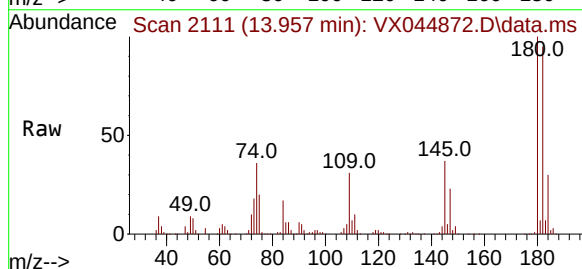
Tgt Ion:128 Resp: 689104
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 10.7 8.9 13.3

Manual Integrations
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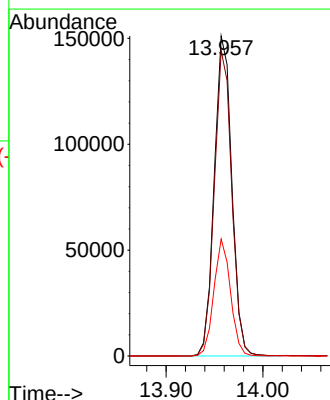
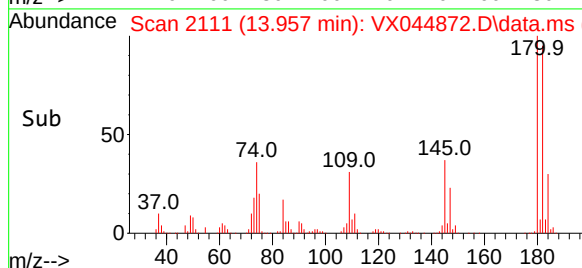
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#96
1,2,3-Trichlorobenzene
Concen: 103.659 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05



Tgt Ion:180 Resp: 190534
Ion Ratio Lower Upper
180 100
182 94.8 47.9 143.6
145 34.6 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044873.D
 Acq On : 10 Feb 2025 12:28
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Feb 11 02:02:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	125253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	232597	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	196663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	84836	50.000	ug/l	# 0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	280853	153.180	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 306.360%#	
35) Dibromofluoromethane	5.379	113	229218	151.572	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 303.140%#	
50) Toluene-d8	8.647	98	845632	147.877	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 295.760%#	
62) 4-Bromofluorobenzene	11.079	95	287486	149.124	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 298.240%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	260576	148.330	ug/l	96
3) Chloromethane	1.307	50	297968	139.361	ug/l	100
4) Vinyl Chloride	1.374	62	305986	147.723	ug/l	99
5) Bromomethane	1.593	94	92399	149.071	ug/l	96
6) Chloroethane	1.660	64	67889	130.289	ug/l	97
7) Trichlorofluoromethane	1.867	101	378664	144.558	ug/l	99
8) Diethyl Ether	2.136	74	140428	147.822	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	239215	151.147	ug/l	100
10) Methyl Iodide	2.441	142	305390	148.887	ug/l	100
11) Tert butyl alcohol	3.020	59	242430	712.734	ug/l	100
12) 1,1-Dichloroethene	2.306	96	246987	152.989	ug/l	99
13) Acrolein	2.239	56	273178	778.418	ug/l	100
14) Allyl chloride	2.654	41	438493	150.289	ug/l	97
15) Acrylonitrile	3.068	53	684234	753.423	ug/l	99
16) Acetone	2.386	43	547939	743.398	ug/l	99
17) Carbon Disulfide	2.502	76	693558	156.665	ug/l	100
18) Methyl Acetate	2.703	43	373877	160.743	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	792810	154.347	ug/l	100
20) Methylene Chloride	2.782	84	270575	149.871	ug/l	100
21) trans-1,2-Dichloroethene	3.081	96	242082	152.356	ug/l	93
22) Diisopropyl ether	3.757	45	839126	152.020	ug/l	98
23) Vinyl Acetate	3.721	43	3555031	789.993	ug/l	100
24) 1,1-Dichloroethane	3.605	63	472424	152.959	ug/l	99
25) 2-Butanone	4.556	43	914741	764.276	ug/l	98
26) 2,2-Dichloropropane	4.471	77	382167	156.029	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	292864	153.446	ug/l	99
28) Bromochloromethane	4.891	49	217387	146.458	ug/l	98
29) Tetrahydrofuran	5.001	42	596045	749.977	ug/l	99
30) Chloroform	5.086	83	453809	151.509	ug/l	99
31) Cyclohexane	5.458	56	423464	148.722	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	386162	151.996	ug/l	99
36) 1,1-Dichloropropene	5.684	75	324182	148.585	ug/l	100
37) Ethyl Acetate	4.715	43	368763	151.956	ug/l	99
38) Carbon Tetrachloride	5.672	117	320536	149.921	ug/l	98
39) Methylcyclohexane	7.373	83	443218	157.130	ug/l	99
40) Benzene	6.031	78	1014129	148.856	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044873.D
 Acq On : 10 Feb 2025 12:28
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:02:51 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M

Quant Title : SW846 8260

QLast Update : Tue Feb 11 01:47:50 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	206155	158.707	ug/l	100
42) 1,2-Dichloroethane	6.080	62	336520	154.984	ug/l	99
43) Isopropyl Acetate	6.336	43	617516	157.575	ug/l	99
44) Trichloroethene	7.117	130	239030	153.496	ug/l	99
45) 1,2-Dichloropropane	7.427	63	259454	153.076	ug/l	100
46) Dibromomethane	7.574	93	179689	152.870	ug/l	99
47) Bromodichloromethane	7.818	83	357623	157.128	ug/l	98
48) Methyl methacrylate	7.690	41	297931	161.236	ug/l	99
49) 1,4-Dioxane	7.665	88	106175	2678.192	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	1736538	728.887	ug/l	100
52) Toluene	8.714	92	603113	148.645	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	378639	164.398	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	417724	162.667	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	229548	147.172	ug/l	98
56) Ethyl methacrylate	9.116	69	398535	158.205	ug/l	99
57) 1,3-Dichloropropane	9.305	76	403665	147.915	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	982120	794.010	ug/l	100
59) 2-Hexanone	9.433	43	1264470	736.622	ug/l	99
60) Dibromochloromethane	9.519	129	258320	154.862	ug/l	99
61) 1,2-Dibromoethane	9.604	107	240539	152.157	ug/l	99
64) Tetrachloroethene	9.269	164	184990	149.155	ug/l	96
65) Chlorobenzene	10.073	112	634550	150.224	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	212441	156.255	ug/l	99
67) Ethyl Benzene	10.189	91	1137842	152.647	ug/l	100
68) m/p-Xylenes	10.299	106	818971	297.841	ug/l	98
69) o-Xylene	10.640	106	401928	145.674	ug/l	99
70) Styrene	10.653	104	671843	151.140	ug/l	98
71) Bromoform	10.799	173	169481	167.033	ug/l #	98
73) Isopropylbenzene	10.957	105	1037402	151.869	ug/l	99
74) N-amyl acetate	10.841	43	521962	168.861	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	346013	147.409	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	284934m	151.485	ug/l	
77) Bromobenzene	11.195	156	234957	151.715	ug/l	99
78) n-propylbenzene	11.305	91	1231079	156.140	ug/l	99
79) 2-Chlorotoluene	11.360	91	717766	148.123	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	822707	148.415	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	126660	173.221	ug/l	98
82) 4-Chlorotoluene	11.451	91	818099	152.602	ug/l	99
83) tert-Butylbenzene	11.713	119	838979	149.610	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	838584	153.274	ug/l	99
85) sec-Butylbenzene	11.890	105	1061101	152.806	ug/l	100
86) p-Isopropyltoluene	12.006	119	865491	154.987	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	433384	152.175	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	432987	150.362	ug/l	100
89) n-Butylbenzene	12.329	91	827359	167.469	ug/l	100
90) Hexachloroethane	12.536	117	175414	167.760	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	417167	149.042	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	73593	171.783	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	283004	167.095	ug/l	98
94) Hexachlorobutadiene	13.725	225	104674	155.682	ug/l	97
95) Naphthalene	13.774	128	1015801	165.916	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	282289	165.408	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

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

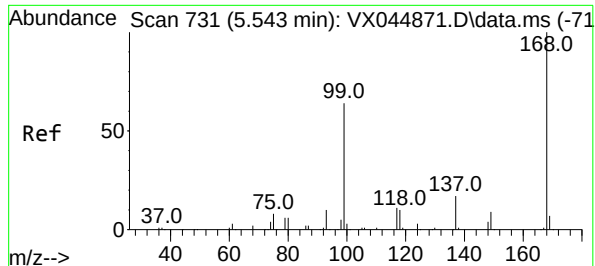
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 71

Delta R.T. 0.001 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:168 Resp: 12525

Ion Ratio Lower Upper

168 100

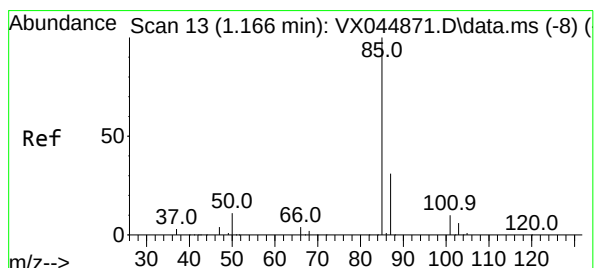
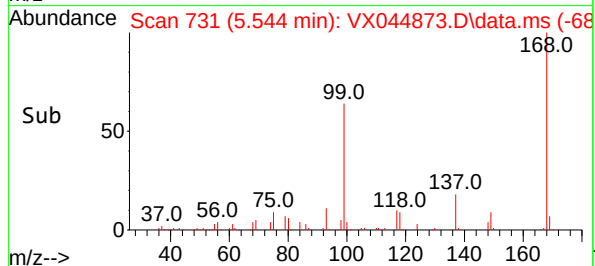
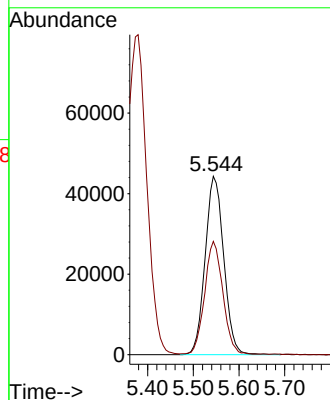
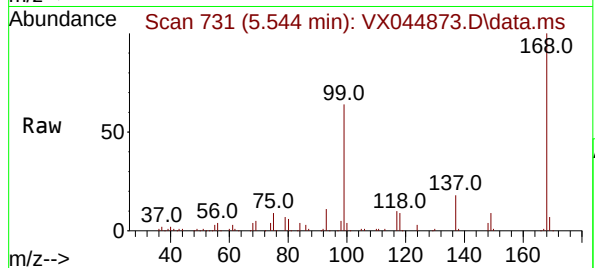
99 63.2 51.2 76.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#2

Dichlorodifluoromethane

Concen: 148.330 ug/l

RT: 1.166 min Scan# 13

Delta R.T. 0.000 min

Lab File: VX044873.D

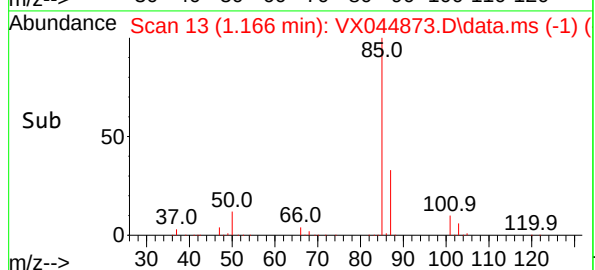
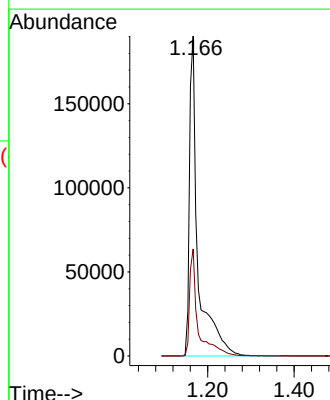
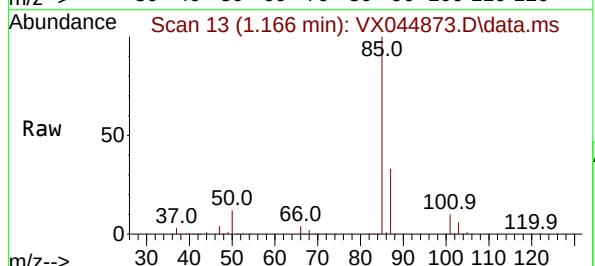
Acq: 10 Feb 2025 12:28

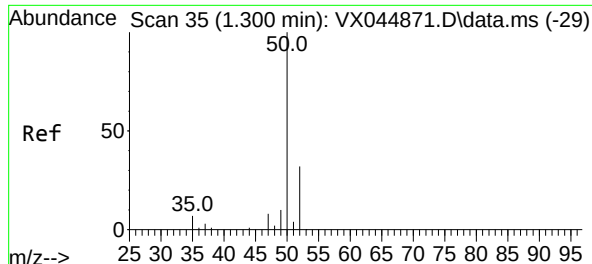
Tgt Ion: 85 Resp: 260576

Ion Ratio Lower Upper

85 100

87 33.4 15.8 47.3





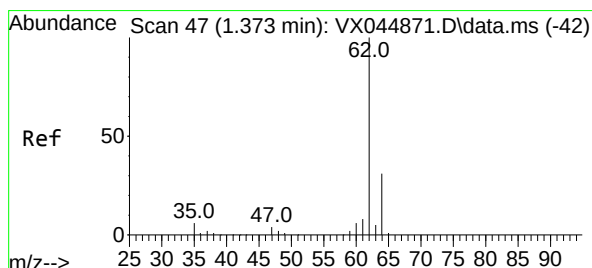
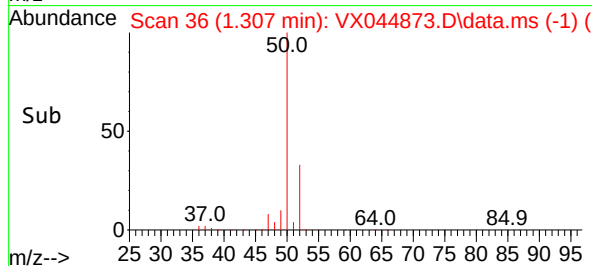
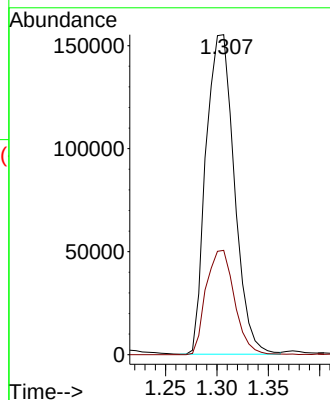
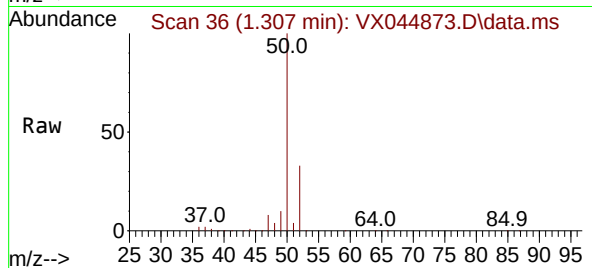
#3
Chloromethane
Concen: 139.361 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 297968
Ion Ratio Lower Upper
50 100
52 32.7 25.9 38.9

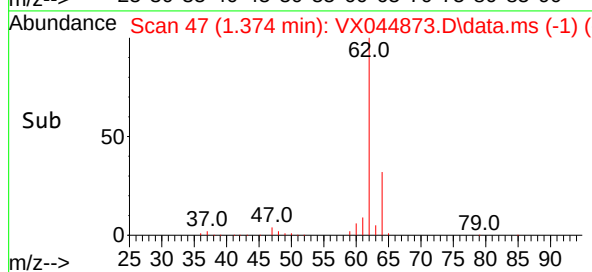
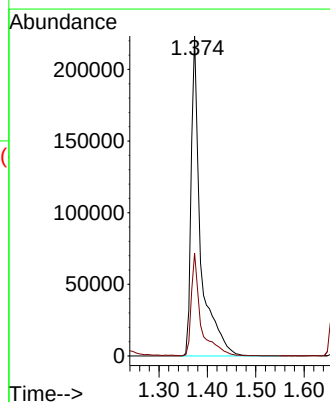
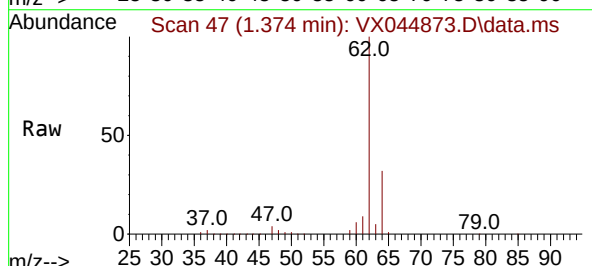
Manual Integrations
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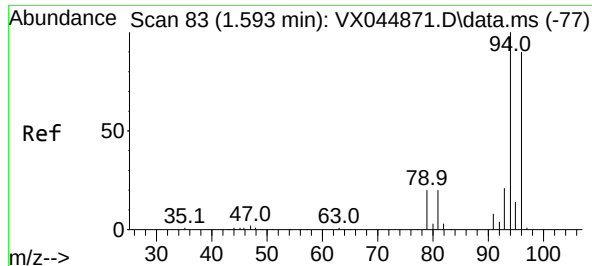
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#4
Vinyl Chloride
Concen: 147.723 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 62 Resp: 305986
Ion Ratio Lower Upper
62 100
64 32.1 25.4 38.0





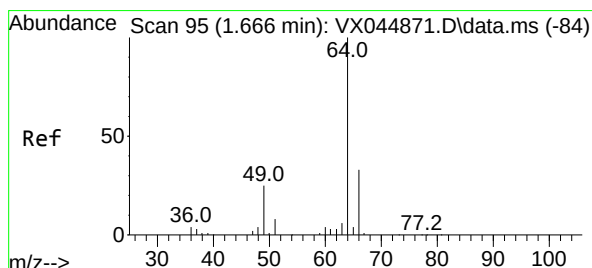
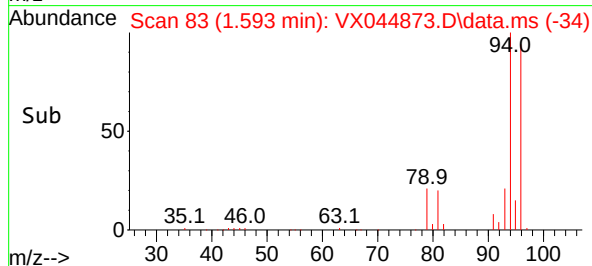
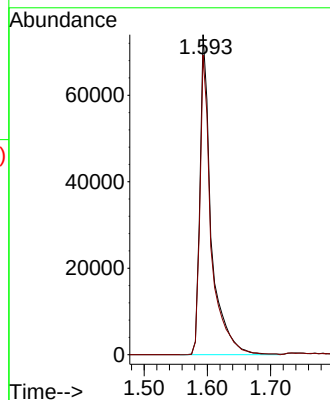
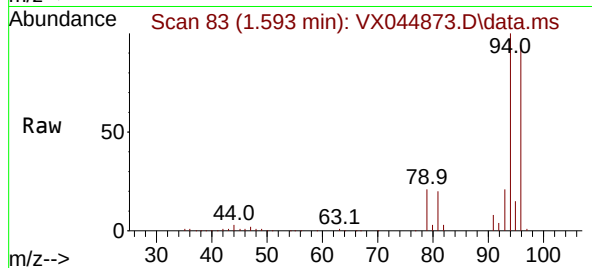
#5
Bromomethane
Concen: 149.071 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 92399
Ion Ratio Lower Upper
94 100
96 93.6 71.6 107.4

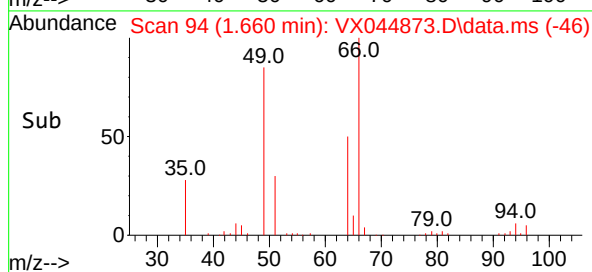
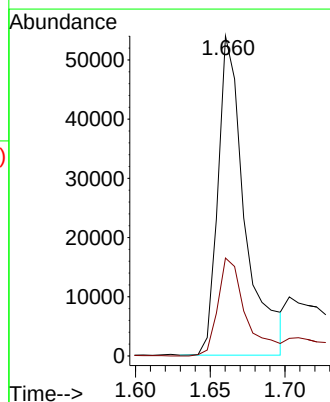
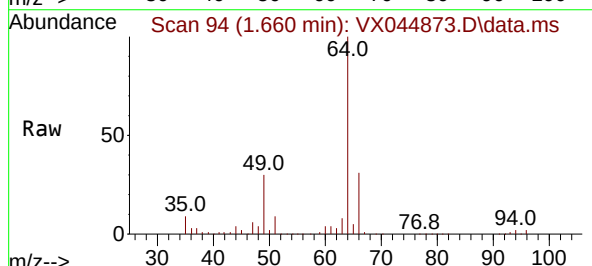
Manual Integrations
APPROVED

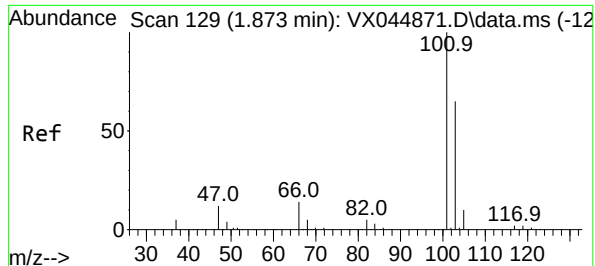
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#6
Chloroethane
Concen: 130.289 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 64 Resp: 67889
Ion Ratio Lower Upper
64 100
66 30.7 25.9 38.9





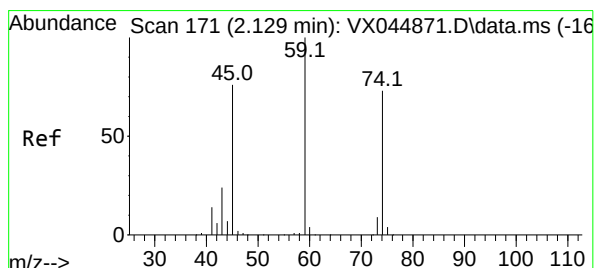
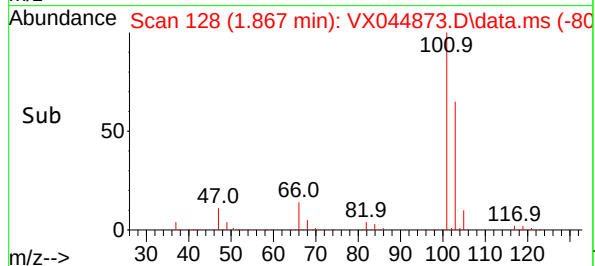
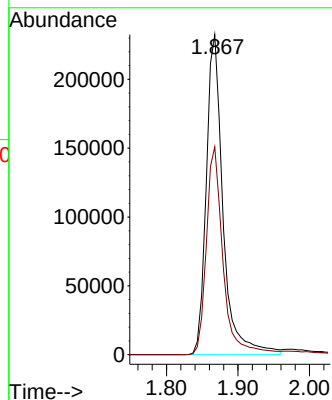
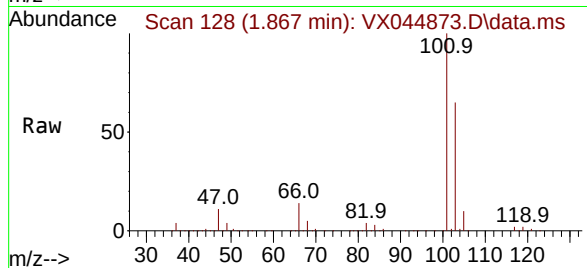
#7
Trichlorofluoromethane
Concen: 144.558 ug/l
RT: 1.867 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 378664
Ion Ratio Lower Upper
101 100
103 65.0 52.4 78.6

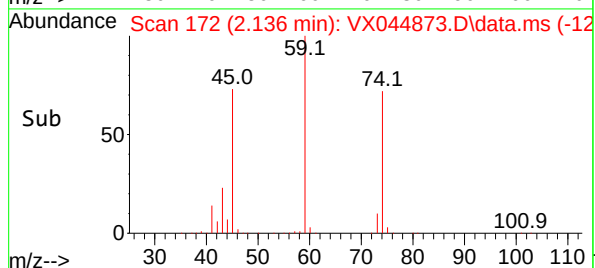
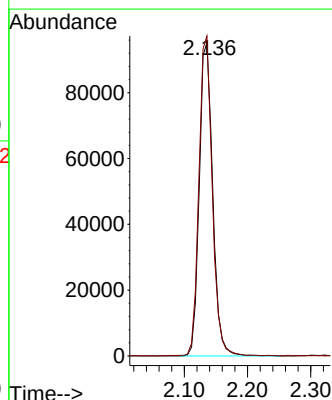
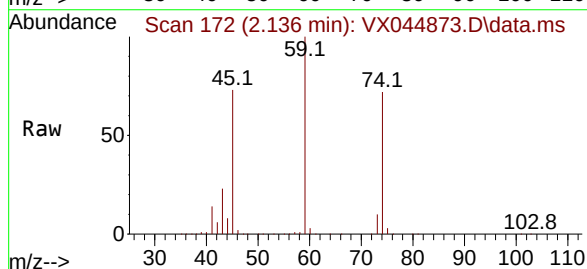
Manual Integrations
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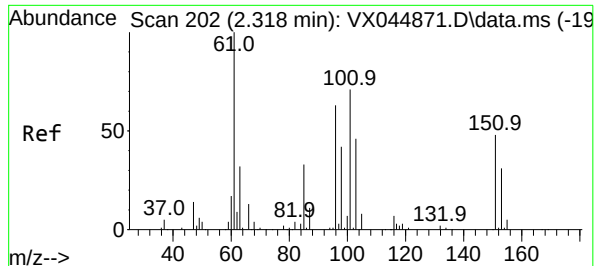
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#8
Diethyl Ether
Concen: 147.822 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 74 Resp: 140428
Ion Ratio Lower Upper
74 100
45 102.1 51.1 153.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 151.147 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

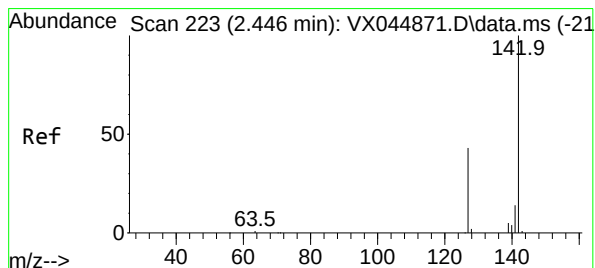
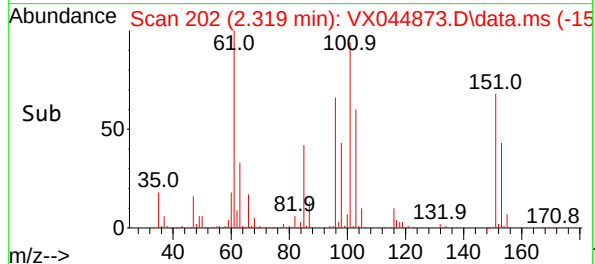
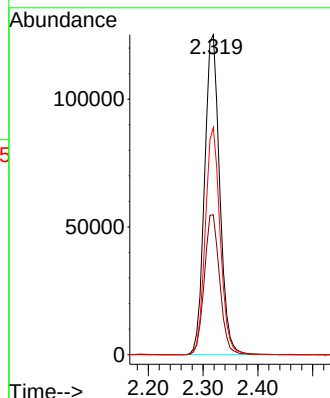
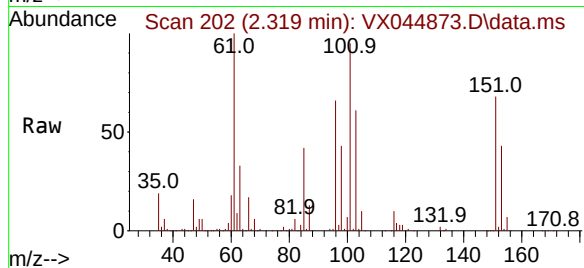
Tgt Ion:101 Resp: 239215
Ion Ratio Lower Upper
101 100
85 44.5 35.7 53.5
151 70.2 56.0 84.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#10

Methyl Iodide

Concen: 148.887 ug/l

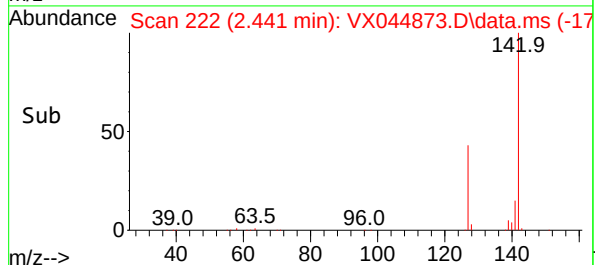
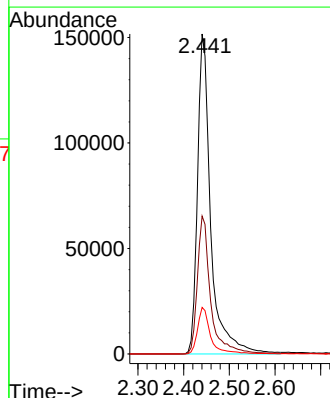
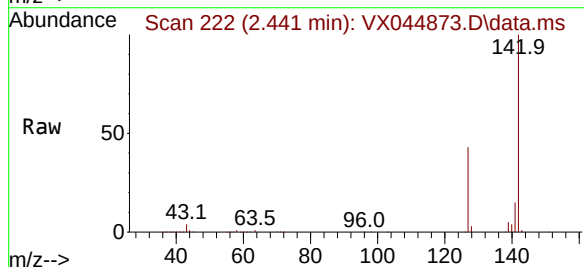
RT: 2.441 min Scan# 222

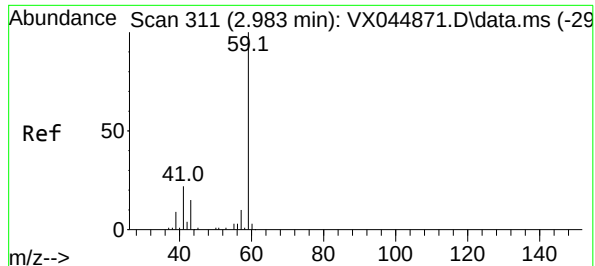
Delta R.T. -0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Tgt Ion:142 Resp: 305390
Ion Ratio Lower Upper
142 100
127 43.1 34.3 51.5
141 14.4 11.4 17.2





#11

Tert butyl alcohol

Concen: 712.734 ug/l

RT: 3.020 min Scan# 311

Delta R.T. 0.037 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 59 Resp: 242430

Ion Ratio Lower Upper

59 100

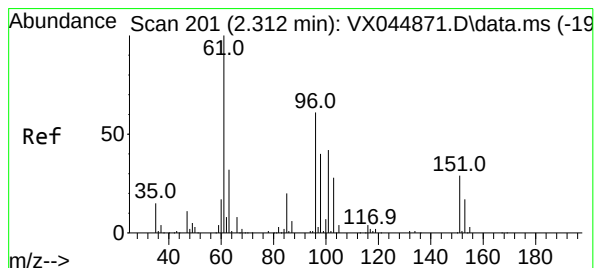
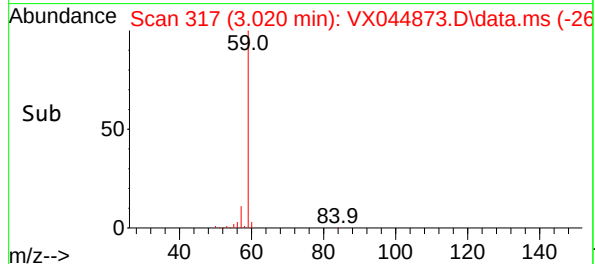
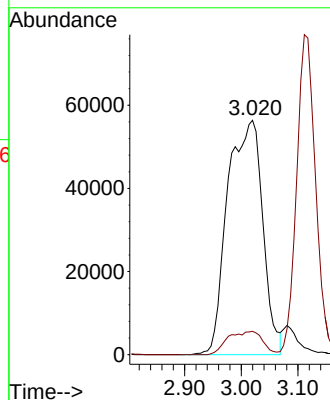
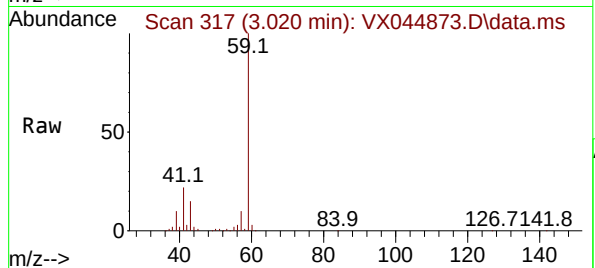
57 9.9 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#12

1,1-Dichloroethene

Concen: 152.989 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

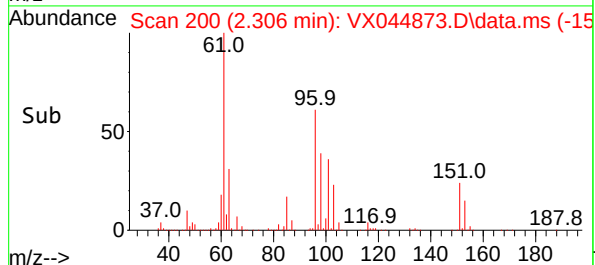
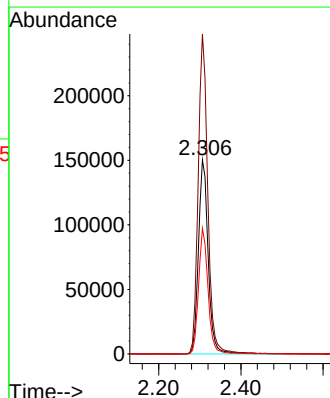
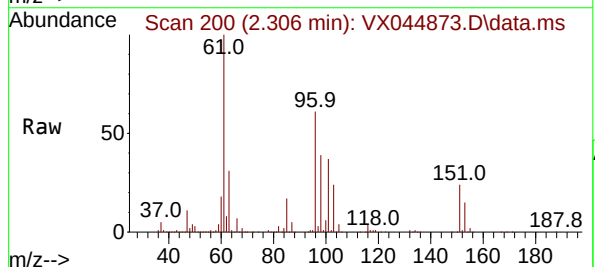
Tgt Ion: 96 Resp: 246987

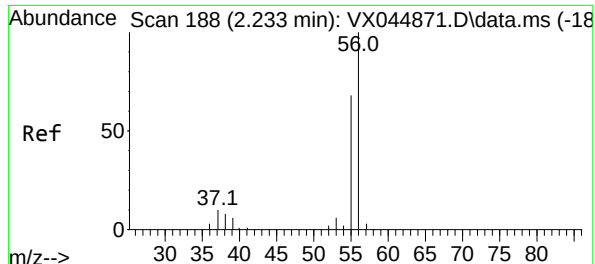
Ion Ratio Lower Upper

96 100

61 164.9 130.2 195.4

98 64.8 52.2 78.4





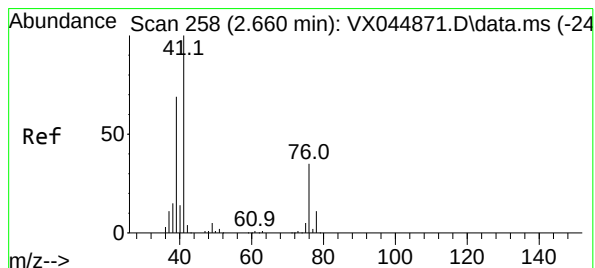
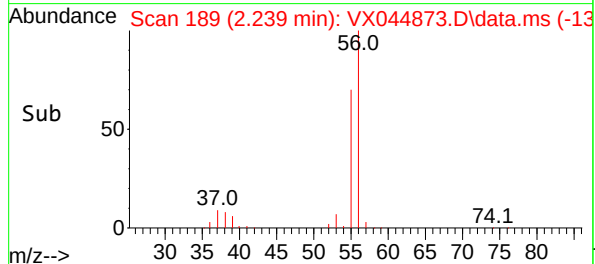
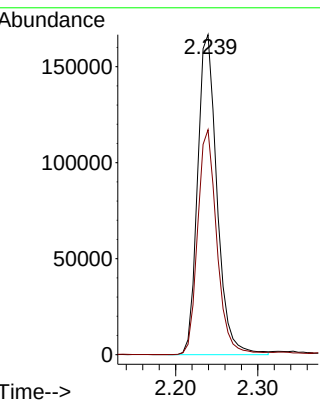
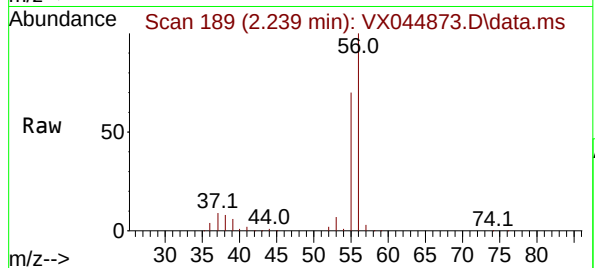
#13
Acrolein
Concen: 778.418 ug/l
RT: 2.239 min Scan# 188
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 56 Resp: 273178
Ion Ratio Lower Upper
56 100
55 69.6 55.7 83.5

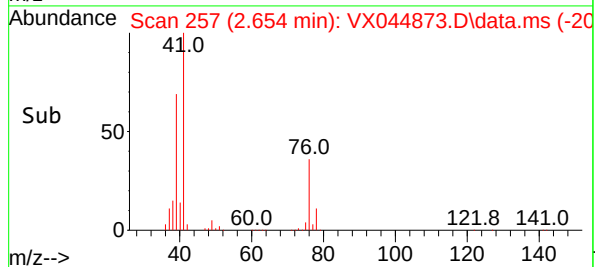
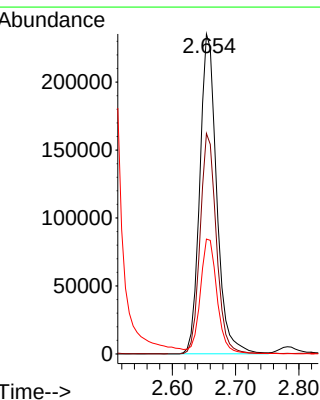
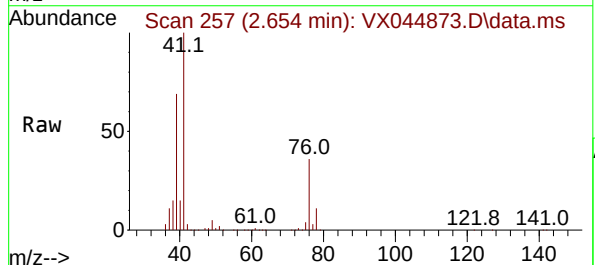
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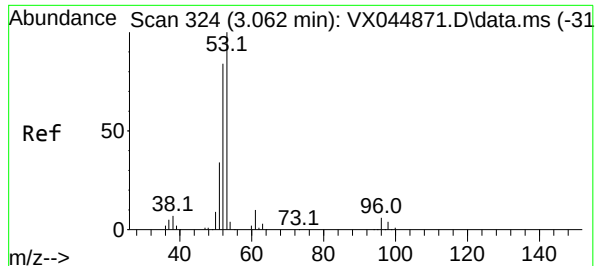
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#14
Allyl chloride
Concen: 150.289 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 41 Resp: 438493
Ion Ratio Lower Upper
41 100
39 66.1 51.4 77.2
76 35.7 27.0 40.4





#15

Acrylonitrile

Concen: 753.423 ug/l

RT: 3.068 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 53 Resp: 684234

Ion Ratio Lower Upper

53 100

52 82.9 65.0 97.6

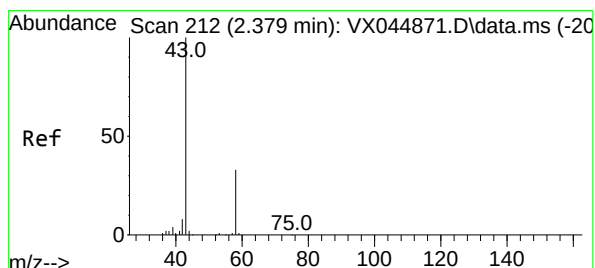
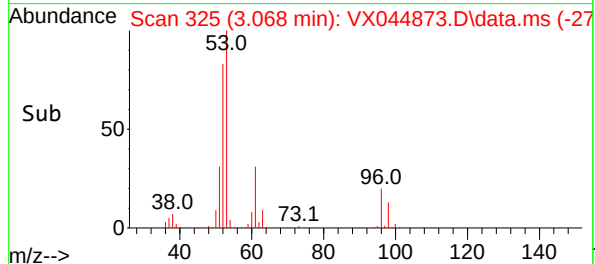
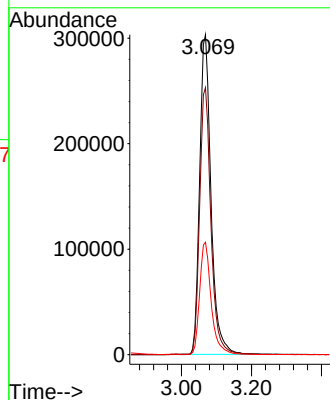
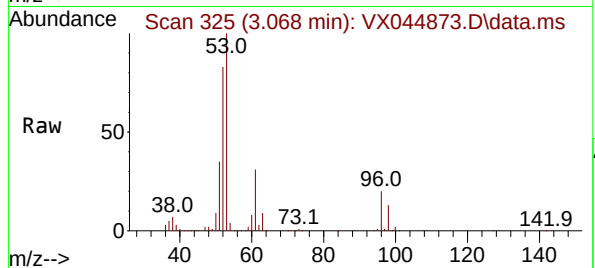
51 35.2 28.0 42.0

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Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#16

Acetone

Concen: 743.398 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX044873.D

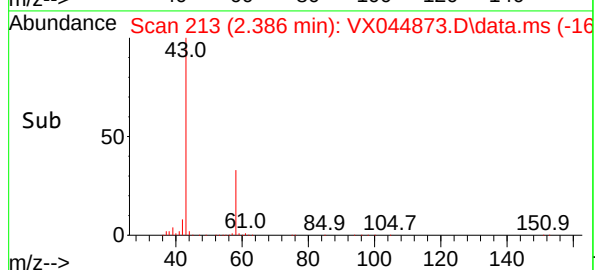
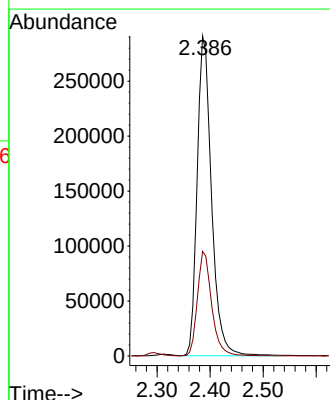
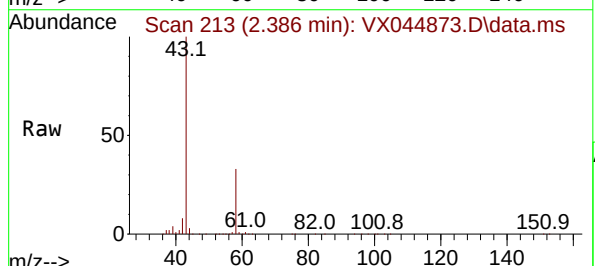
Acq: 10 Feb 2025 12:28

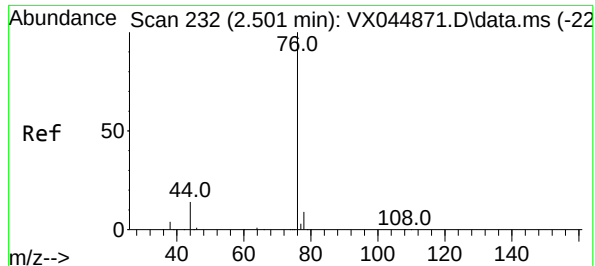
Tgt Ion: 43 Resp: 547939

Ion Ratio Lower Upper

43 100

58 32.6 26.5 39.7





#17

Carbon Disulfide

Concen: 156.665 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 693558

Ion Ratio Lower Upper

76 100

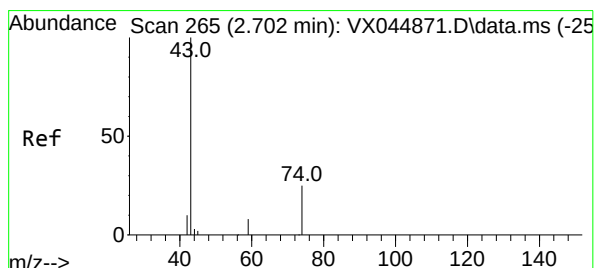
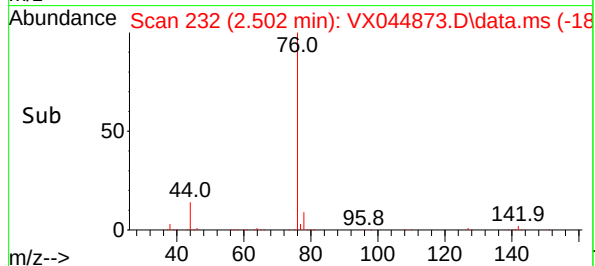
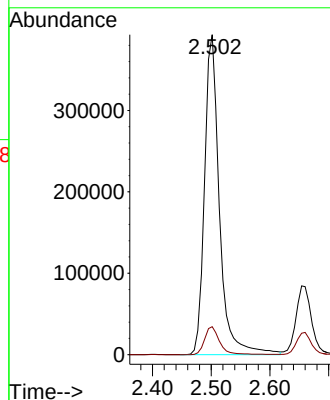
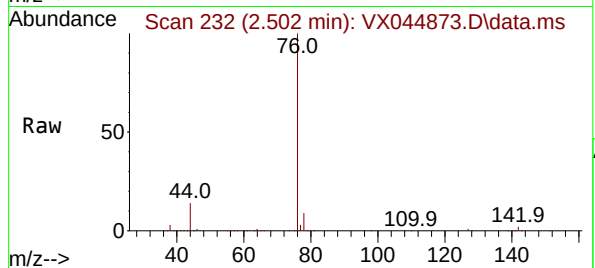
78 8.8 7.0 10.4

Manual Integrations

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Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#18

Methyl Acetate

Concen: 160.743 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX044873.D

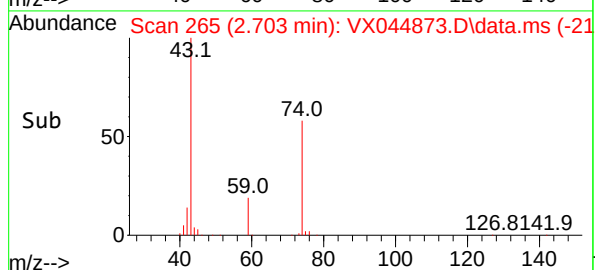
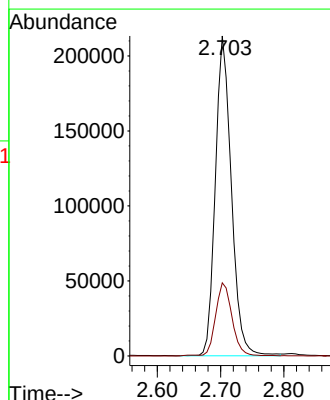
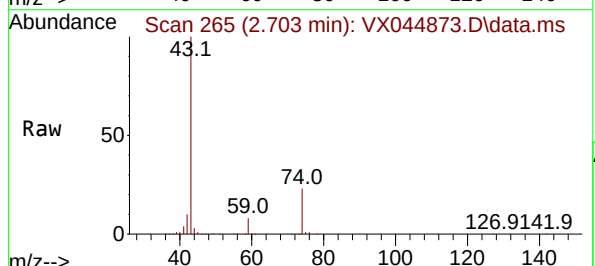
Acq: 10 Feb 2025 12:28

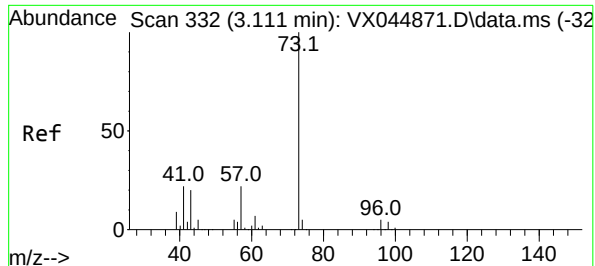
Tgt Ion: 43 Resp: 373877

Ion Ratio Lower Upper

43 100

74 23.7 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 154.347 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 73 Resp: 792810

Ion Ratio Lower Upper

73 100

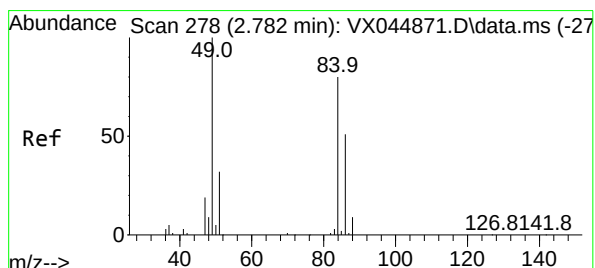
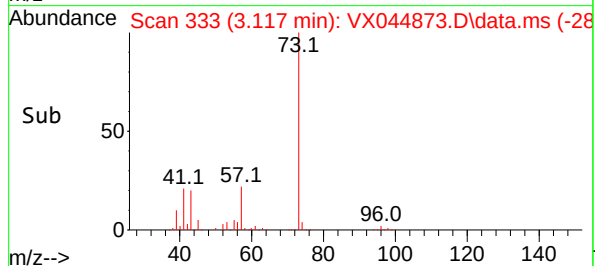
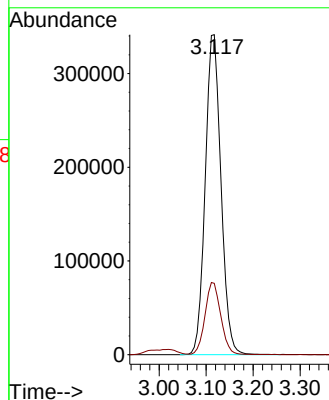
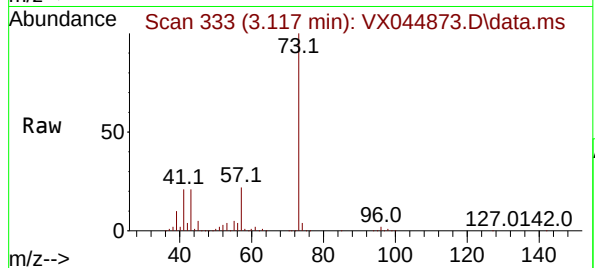
57 22.3 17.9 26.9

Manual Integrations

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Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#20

Methylene Chloride

Concen: 149.871 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Tgt Ion: 84 Resp: 270575

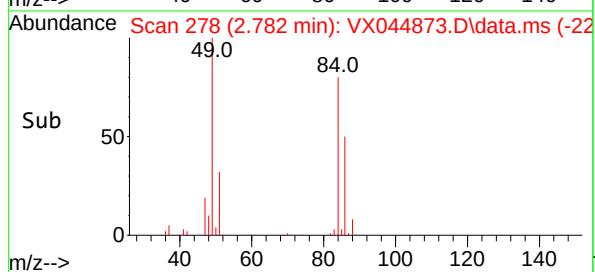
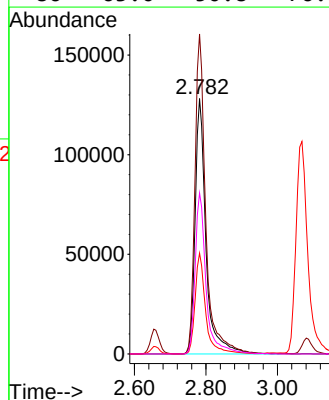
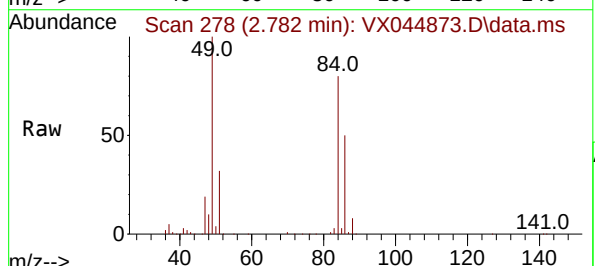
Ion Ratio Lower Upper

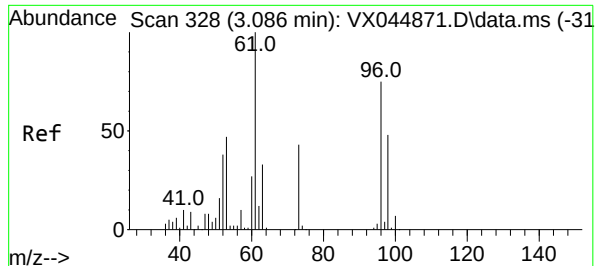
84 100

49 125.2 100.1 150.1

51 39.5 31.7 47.5

86 63.0 50.8 76.2





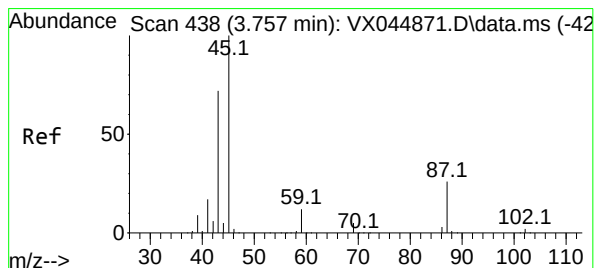
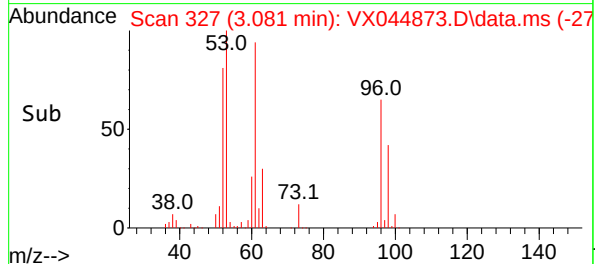
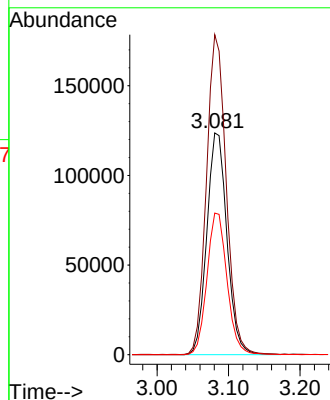
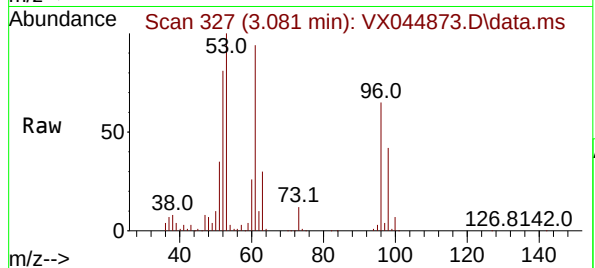
#21
trans-1,2-Dichloroethene
Concen: 152.356 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 24208
Ion Ratio Lower Upper
96 100
61 144.2 106.0 159.0
98 63.9 50.6 76.0

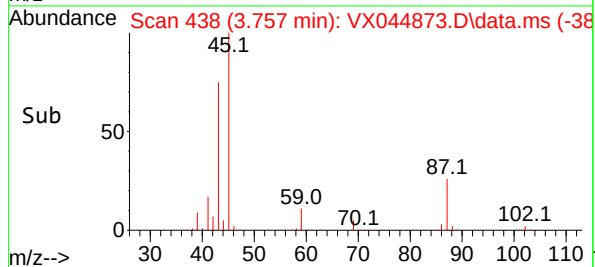
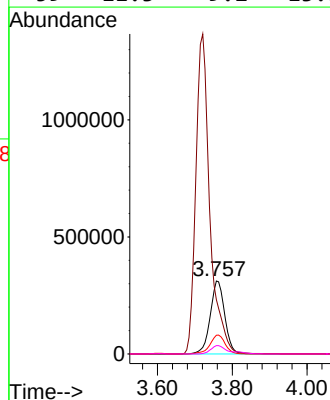
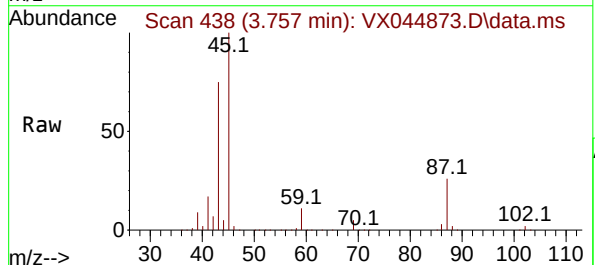
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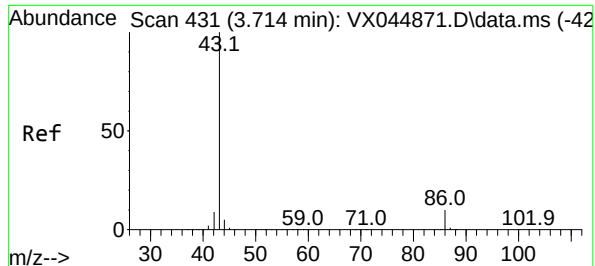
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#22
Diisopropyl ether
Concen: 152.020 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 45 Resp: 839126
Ion Ratio Lower Upper
45 100
43 74.6 58.0 87.0
87 25.8 20.7 31.1
59 11.3 9.2 13.8





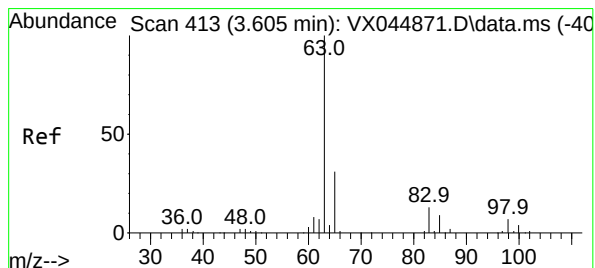
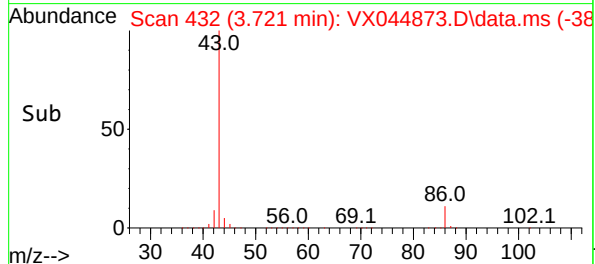
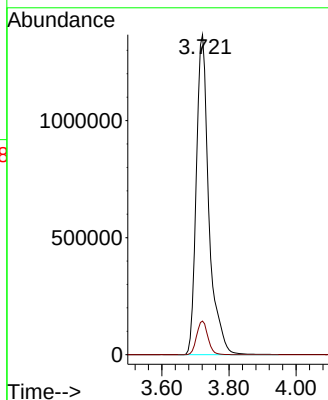
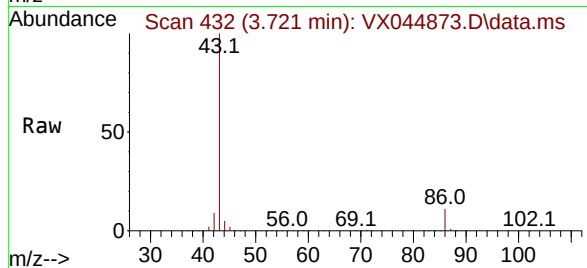
#23
Vinyl Acetate
Concen: 789.993 ug/l
RT: 3.721 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 355503
Ion Ratio Lower Upper
43 100
86 10.5 8.3 12.5

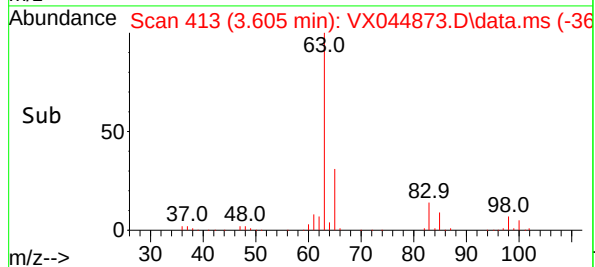
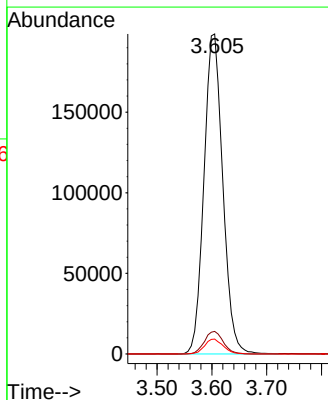
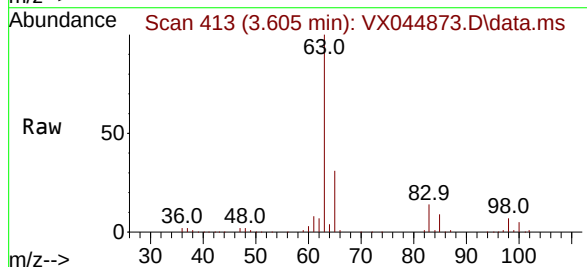
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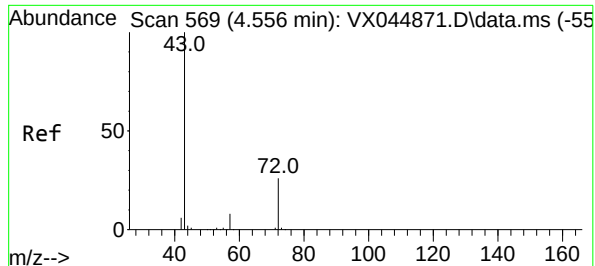
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#24
1,1-Dichloroethane
Concen: 152.959 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 63 Resp: 472424
Ion Ratio Lower Upper
63 100
98 7.1 3.3 9.9
100 4.6 2.1 6.5





#25

2-Butanone

Concen: 764.276 ug/l

RT: 4.556 min Scan# 50

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 91474

Ion Ratio Lower Upper

43 100

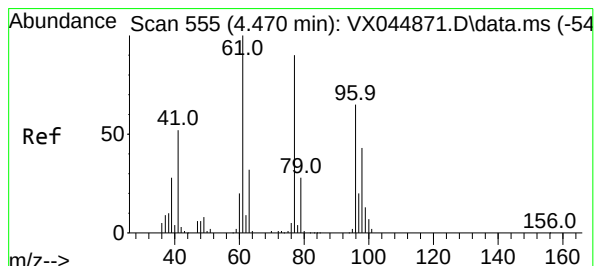
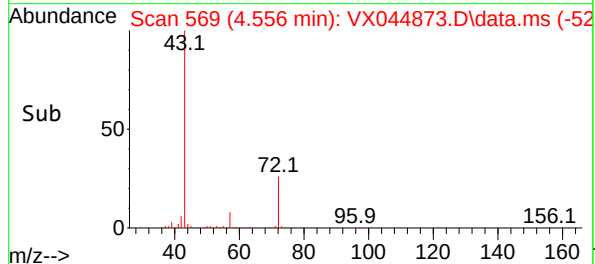
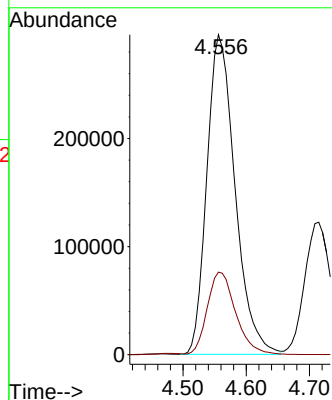
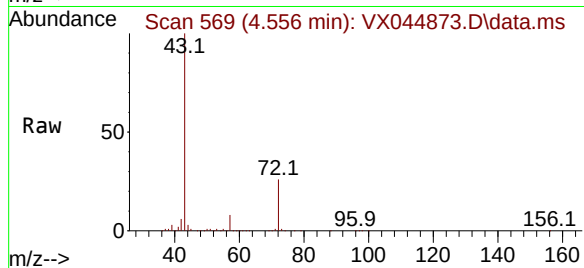
72 25.6 21.2 31.8

Manual Integrations

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Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#26

2,2-Dichloropropane

Concen: 156.029 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.000 min

Lab File: VX044873.D

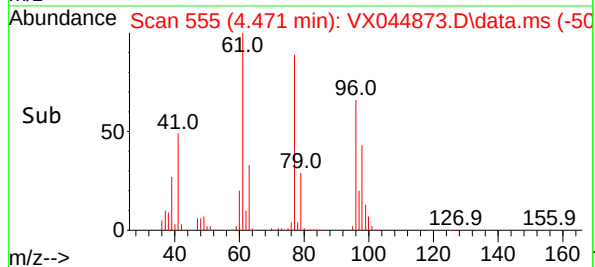
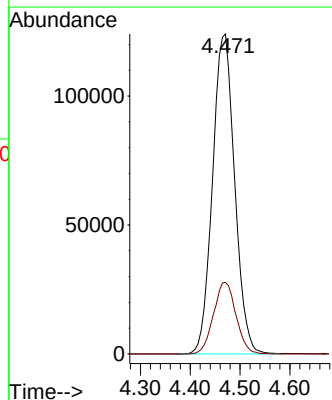
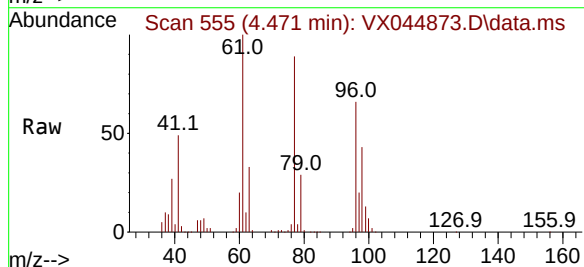
Acq: 10 Feb 2025 12:28

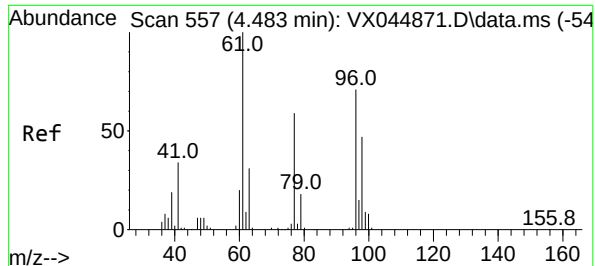
Tgt Ion: 77 Resp: 382167

Ion Ratio Lower Upper

77 100

97 22.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 153.446 ug/l

RT: 4.477 min Scan# 556

Delta R.T. -0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 96 Resp: 292864

Ion Ratio Lower Upper

96 100

61 148.1 0.0 294.0

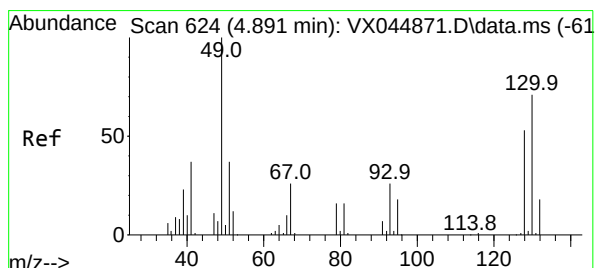
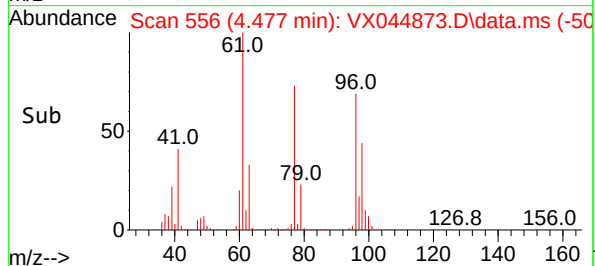
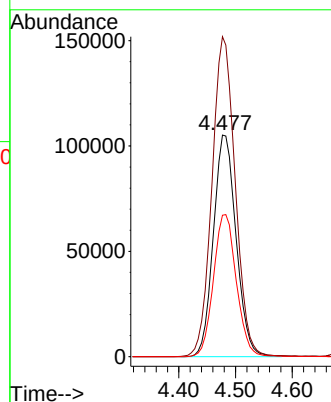
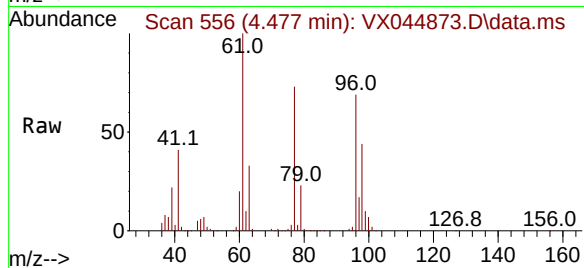
98 64.6 0.0 131.2

Manual Integrations

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Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#28

Bromochloromethane

Concen: 146.458 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

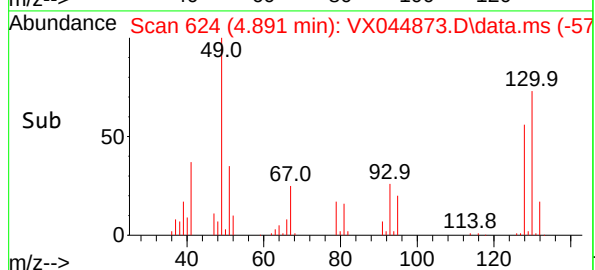
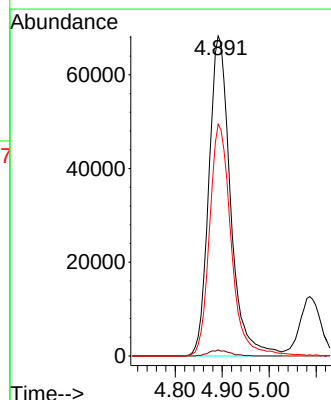
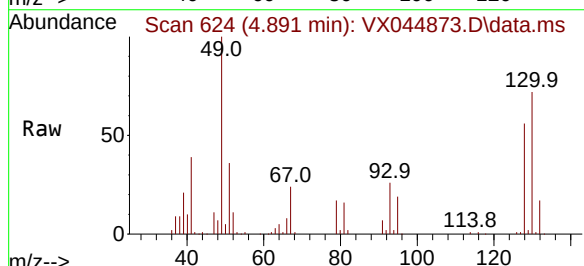
Tgt Ion: 49 Resp: 217387

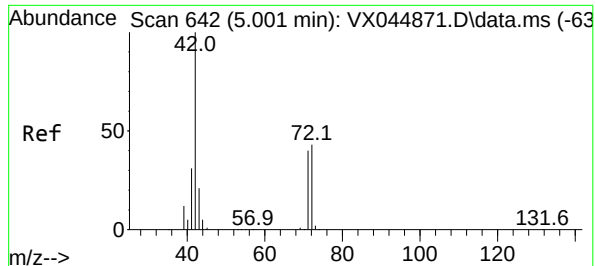
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 72.6 56.7 85.1





#29

Tetrahydrofuran

Concen: 749.977 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 42 Resp: 59604

Ion Ratio Lower Upper

42 100

72 44.5 35.0 52.4

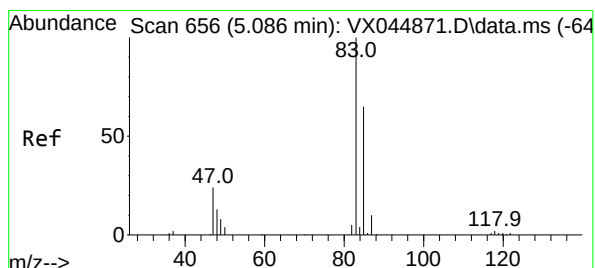
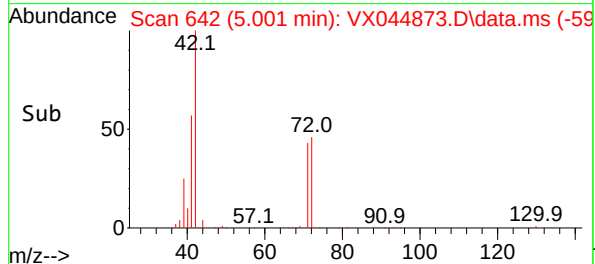
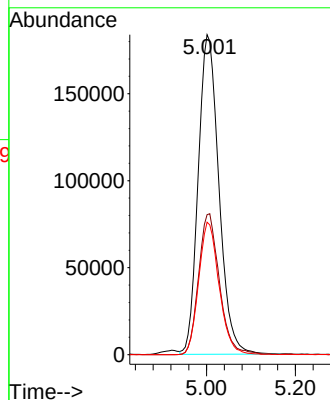
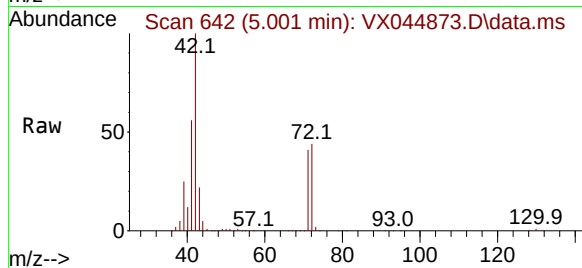
71 41.0 32.6 48.8

Manual Integrations

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Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#30

Chloroform

Concen: 151.509 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044873.D

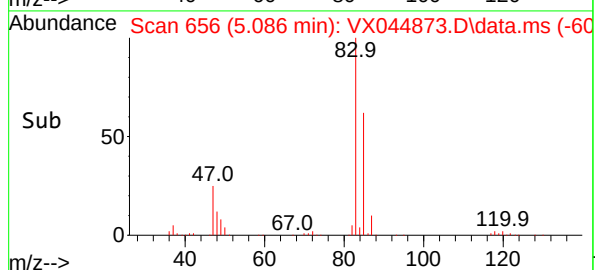
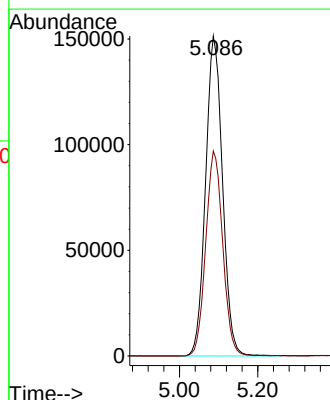
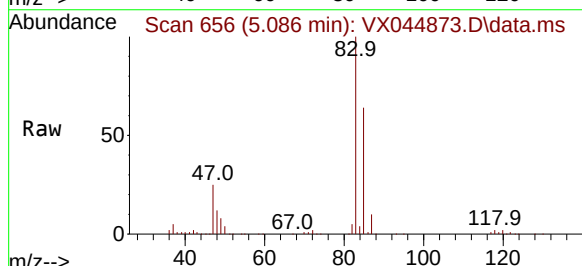
Acq: 10 Feb 2025 12:28

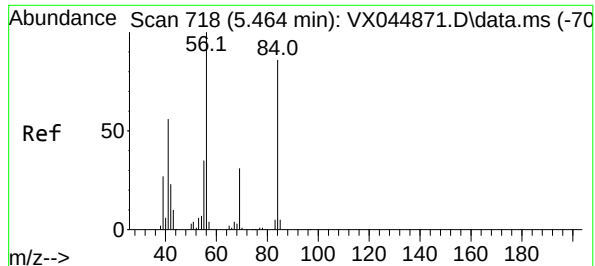
Tgt Ion: 83 Resp: 453809

Ion Ratio Lower Upper

83 100

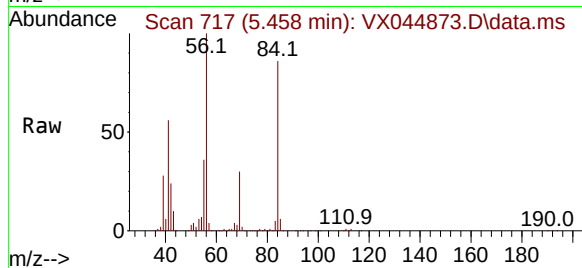
85 64.1 52.1 78.1





#31
Cyclohexane
Concen: 148.722 ug/l
RT: 5.458 min Scan# 718
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

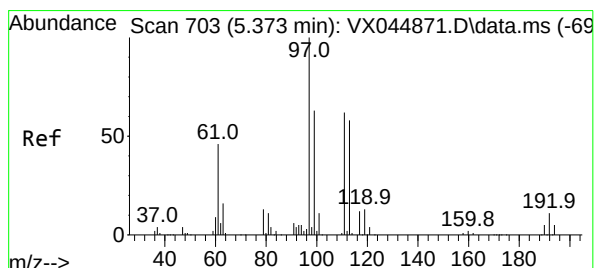
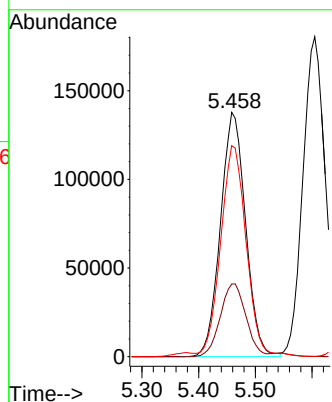
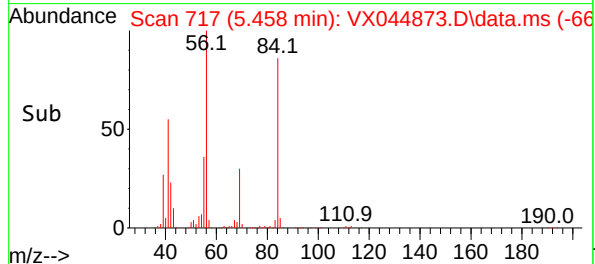
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



Tgt Ion: 56 Resp: 423464
Ion Ratio Lower Upper
56 100
69 29.7 24.4 36.6
84 85.0 69.0 103.6

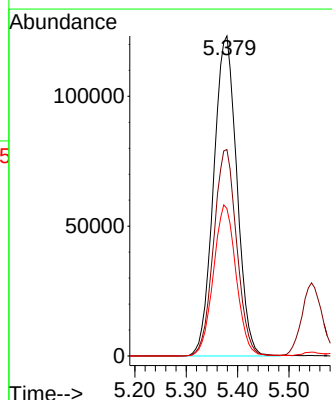
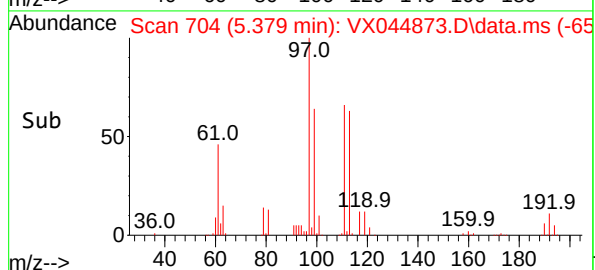
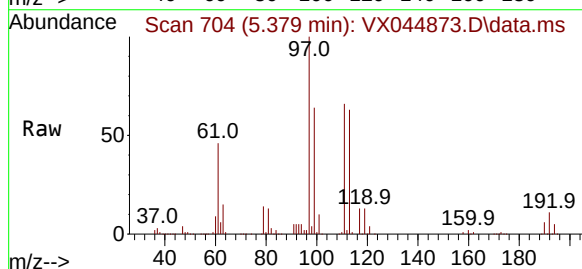
Manual Integrations
APPROVED

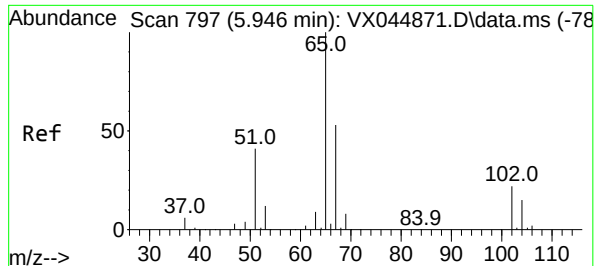
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#32
1,1,1-Trichloroethane
Concen: 151.996 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 97 Resp: 386162
Ion Ratio Lower Upper
97 100
99 64.2 51.0 76.6
61 46.4 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 153.180 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 65 Resp: 28085

Ion Ratio Lower Upper

65 100

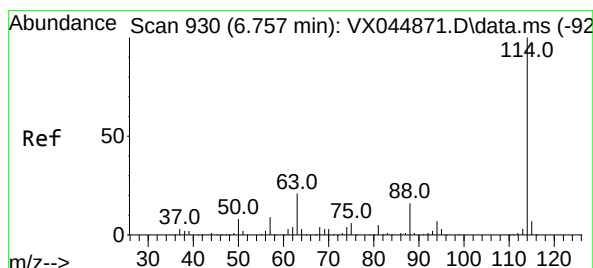
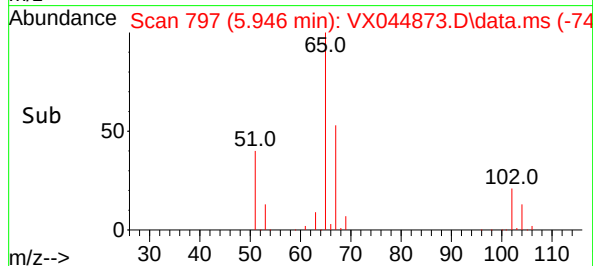
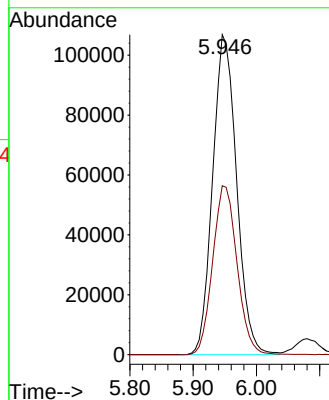
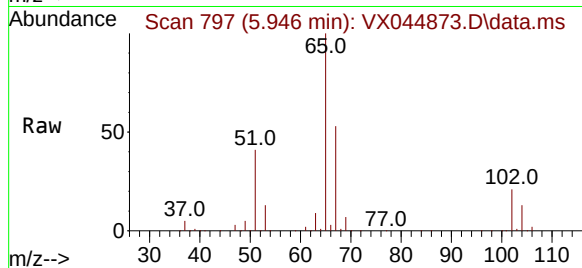
67 53.7 0.0 108.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

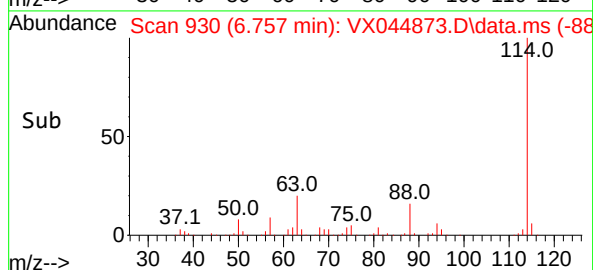
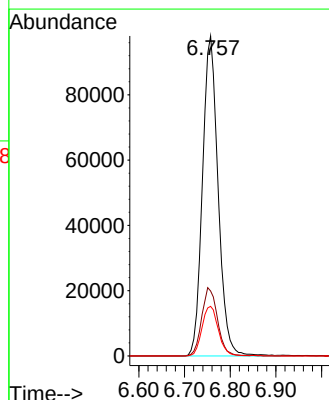
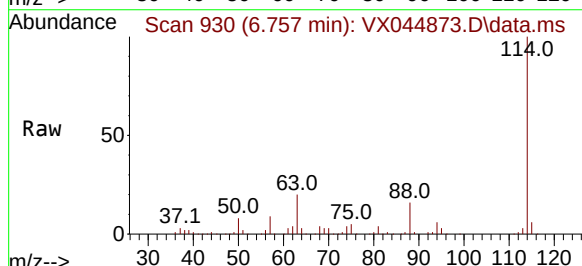
Tgt Ion:114 Resp: 232597

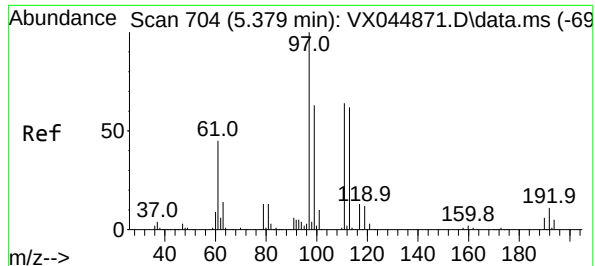
Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.4

88 15.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 151.572 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:113 Resp: 229218

Ion Ratio Lower Upper

113 100

111 102.5 83.5 125.3

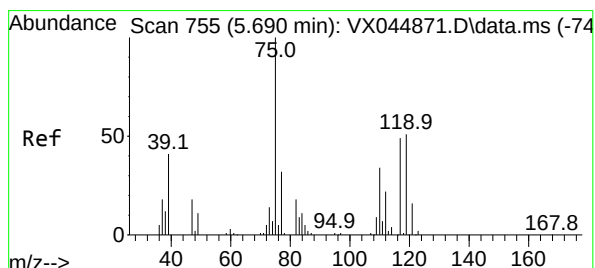
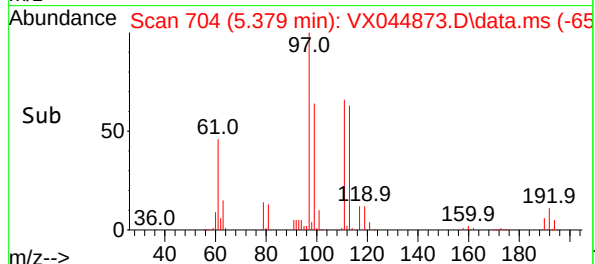
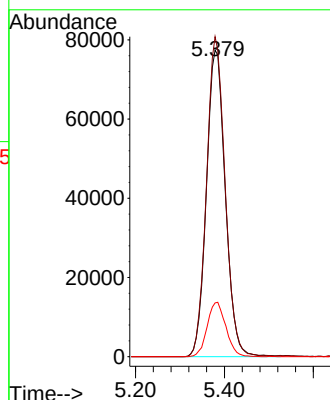
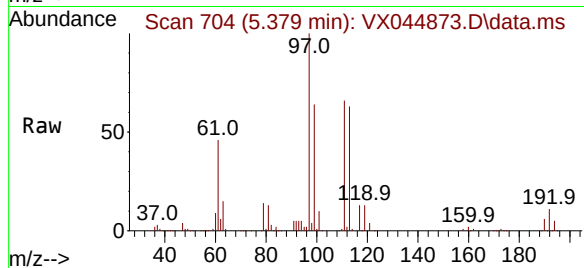
192 17.6 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#36

1,1-Dichloropropene

Concen: 148.585 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

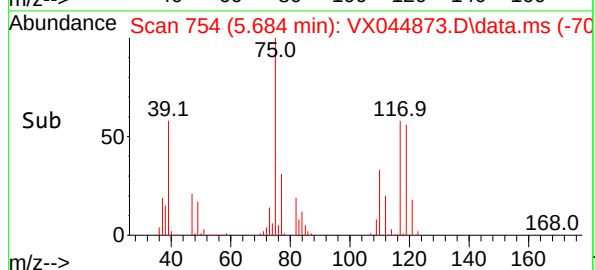
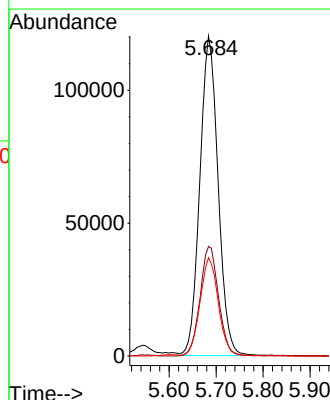
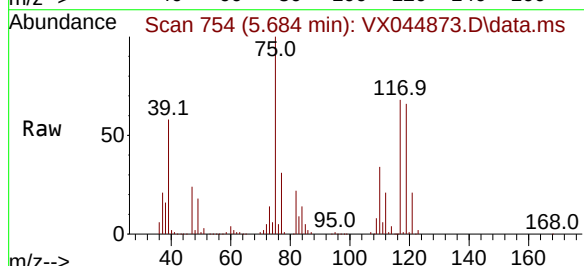
Tgt Ion: 75 Resp: 324182

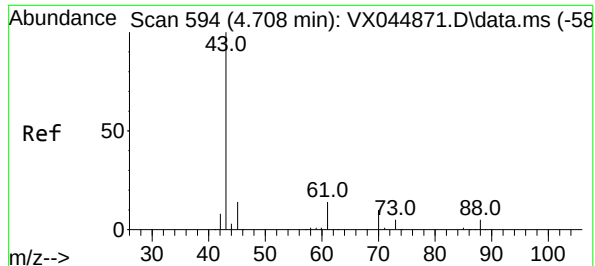
Ion Ratio Lower Upper

75 100

110 34.8 17.2 51.6

77 30.9 24.6 37.0





#37

Ethyl Acetate

Concen: 151.956 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 36876

Ion Ratio Lower Upper

43 100

61 13.5 11.0 16.4

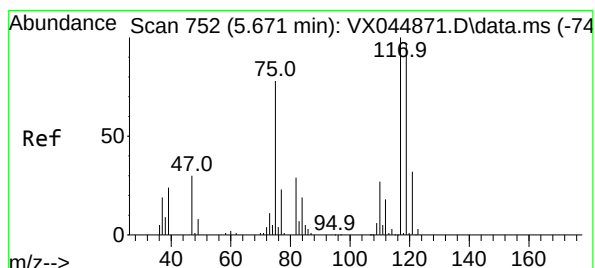
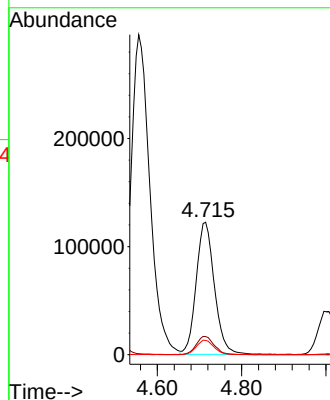
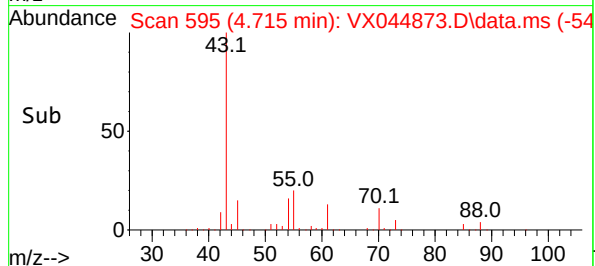
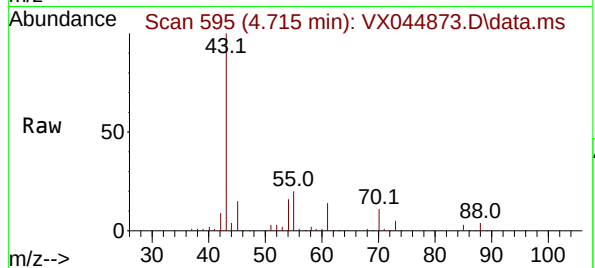
70 10.6 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#38

Carbon Tetrachloride

Concen: 149.921 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

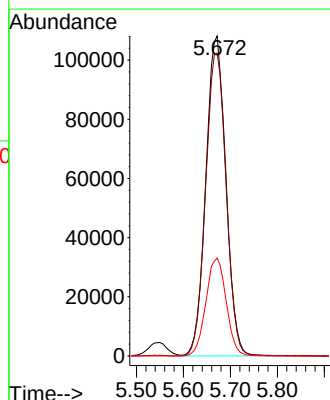
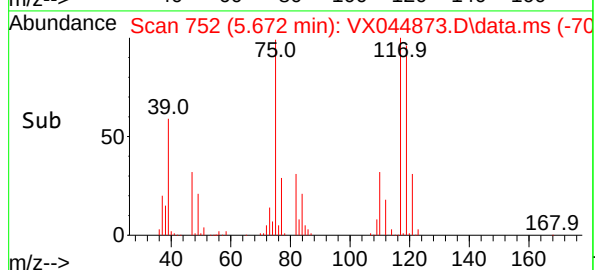
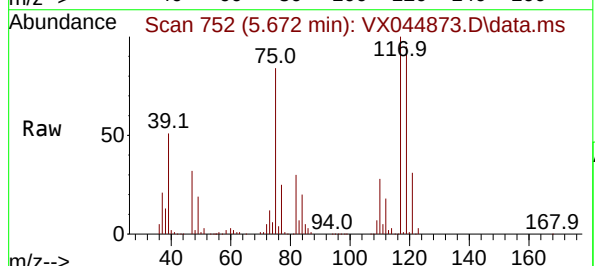
Tgt Ion:117 Resp: 320536

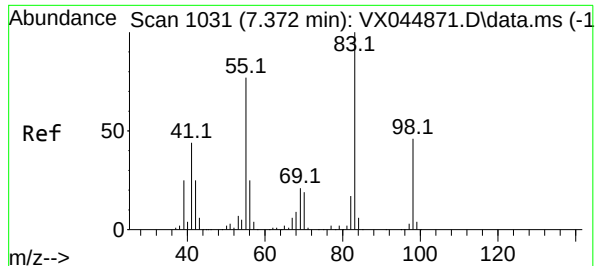
Ion Ratio Lower Upper

117 100

119 94.7 77.5 116.3

121 30.6 25.6 38.4





#39

Methylcyclohexane

Concen: 157.130 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 443218

Ion Ratio Lower Upper

83 100

55 76.5 61.3 91.9

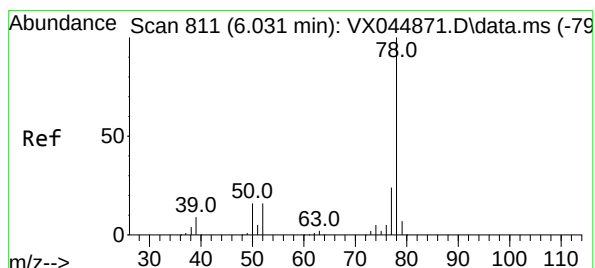
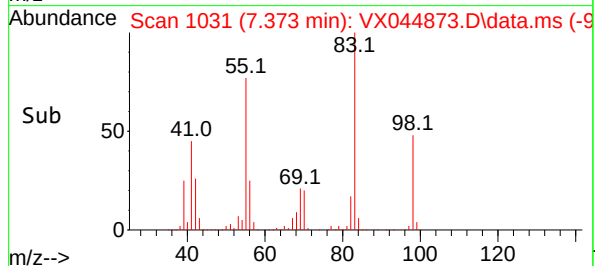
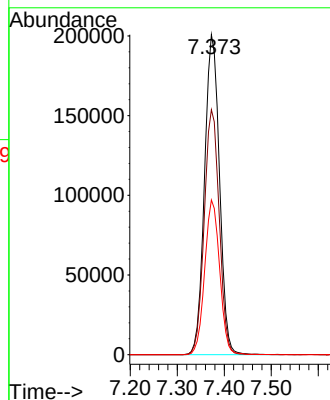
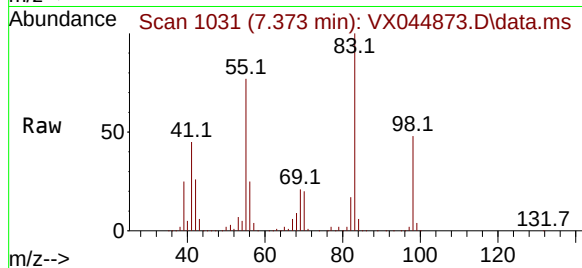
98 48.4 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#40

Benzene

Concen: 148.856 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044873.D

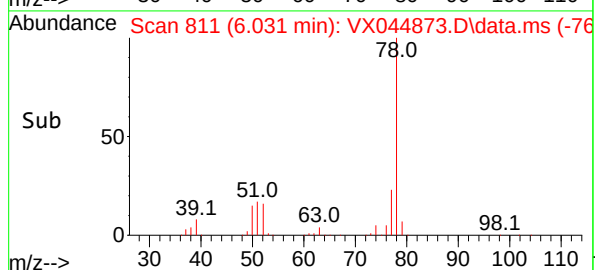
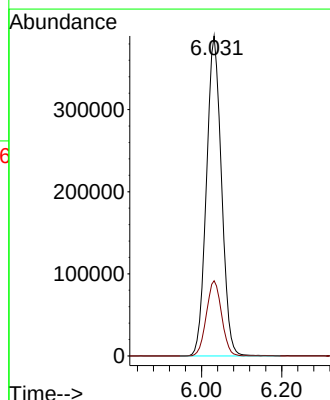
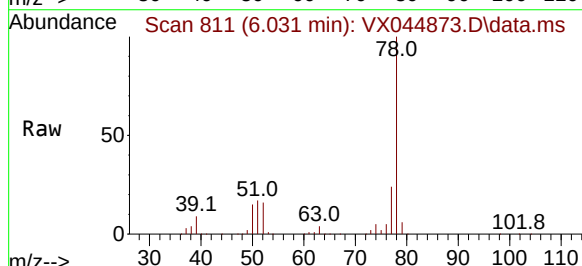
Acq: 10 Feb 2025 12:28

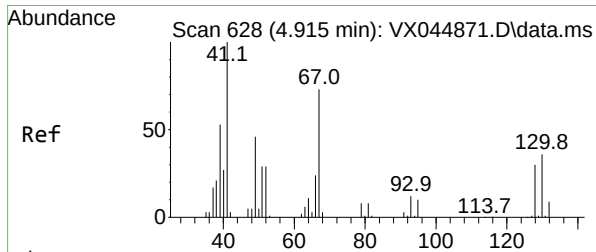
Tgt Ion: 78 Resp: 1014129

Ion Ratio Lower Upper

78 100

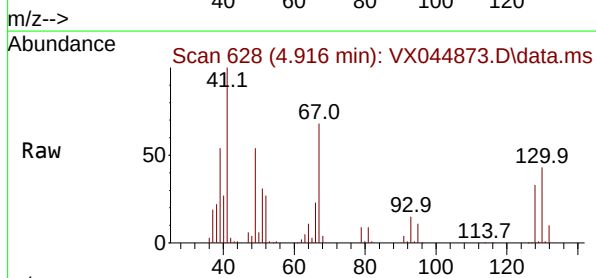
77 23.5 19.0 28.6





#41
Methacrylonitrile
Concen: 158.707 ug/l
RT: 4.916 min Scan# 628
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

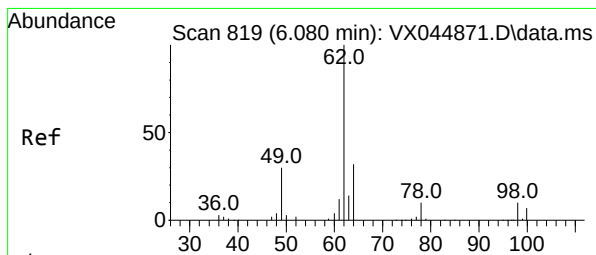
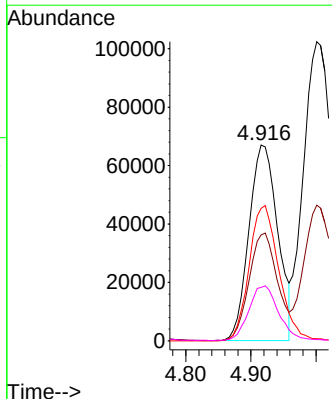
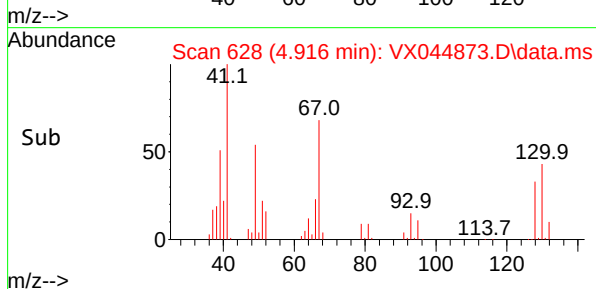
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion: 41 Resp: 20615
Ion Ratio Lower Upper
41 100
39 54.2 43.1 64.7
67 71.4 57.0 85.6
52 29.4 24.0 36.0

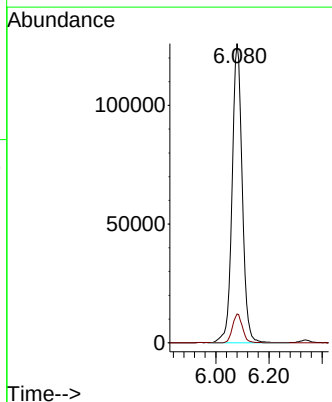
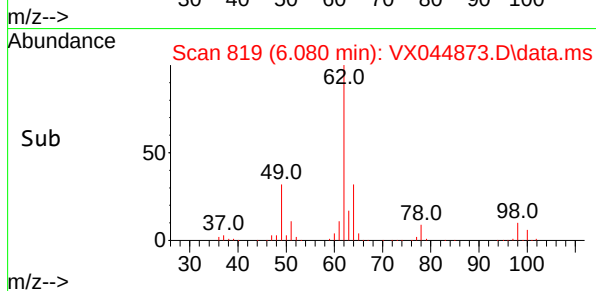
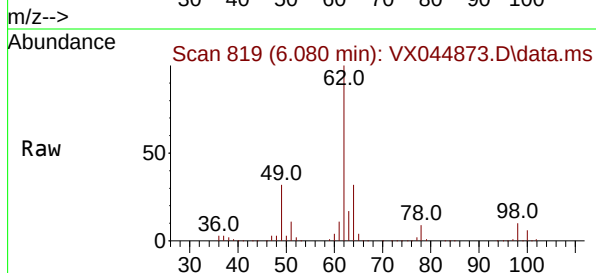
Manual Integrations
APPROVED

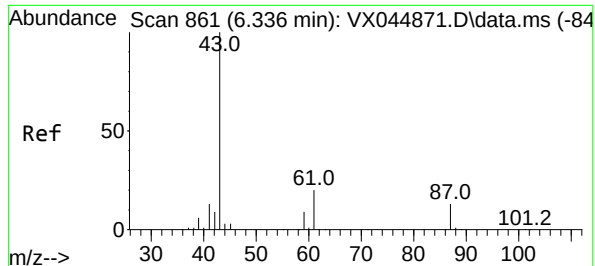
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#42
1,2-Dichloroethane
Concen: 154.984 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 62 Resp: 336520
Ion Ratio Lower Upper
62 100
98 9.5 0.0 19.4





#43

Isopropyl Acetate

Concen: 157.575 ug/l

RT: 6.336 min Scan# 861

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 617510

Ion Ratio Lower Upper

43 100

61 20.1 15.8 23.8

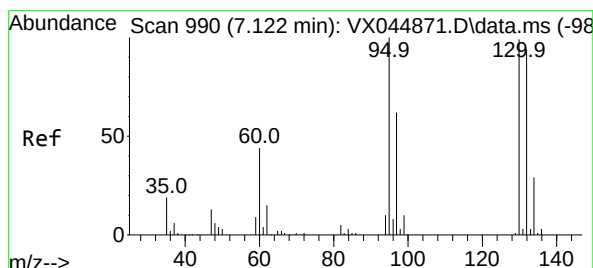
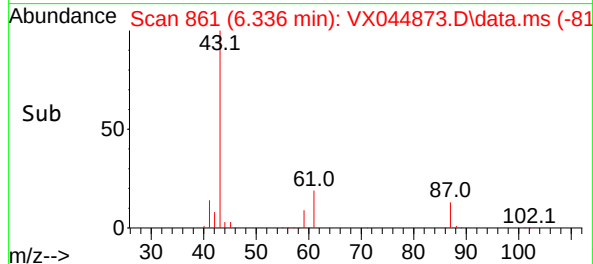
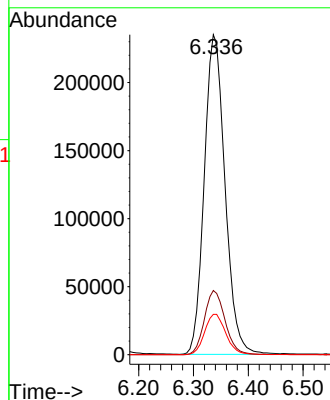
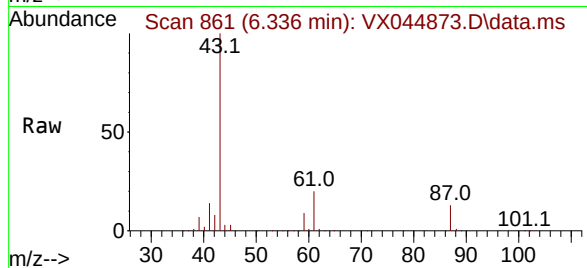
87 12.9 10.0 15.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#44

Trichloroethene

Concen: 153.496 ug/l

RT: 7.117 min Scan# 989

Delta R.T. -0.006 min

Lab File: VX044873.D

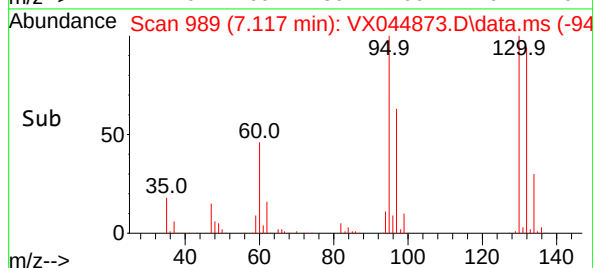
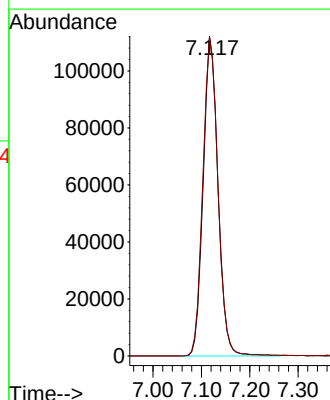
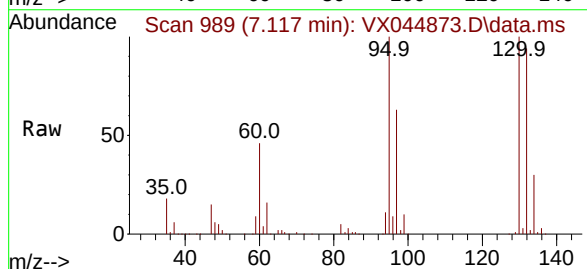
Acq: 10 Feb 2025 12:28

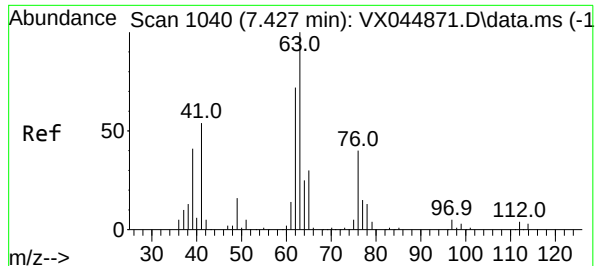
Tgt Ion:130 Resp: 239030

Ion Ratio Lower Upper

130 100

95 99.7 0.0 202.4





#45

1,2-Dichloropropane

Concen: 153.076 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 63 Resp: 259454

Ion Ratio Lower Upper

63 100

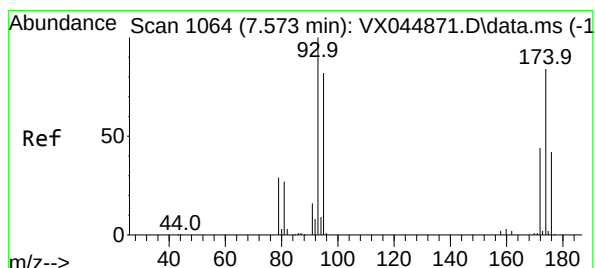
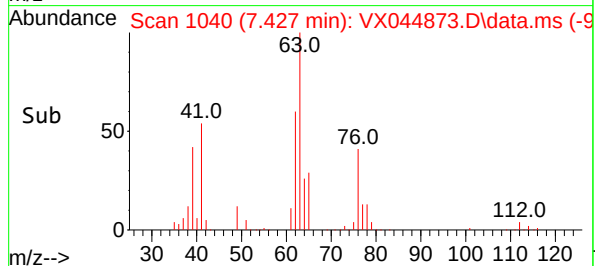
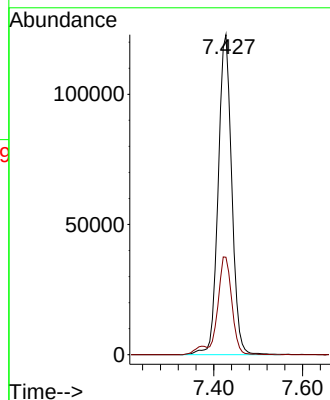
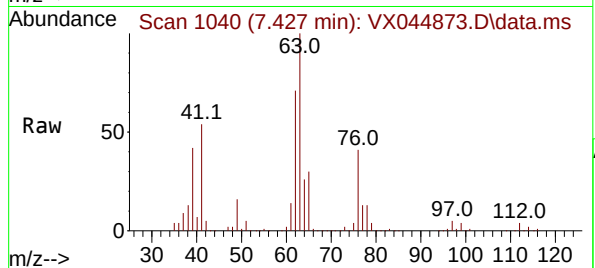
65 30.4 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#46

Dibromomethane

Concen: 152.870 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

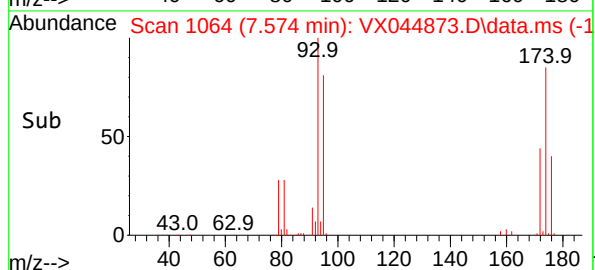
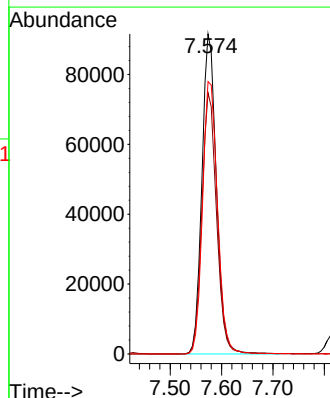
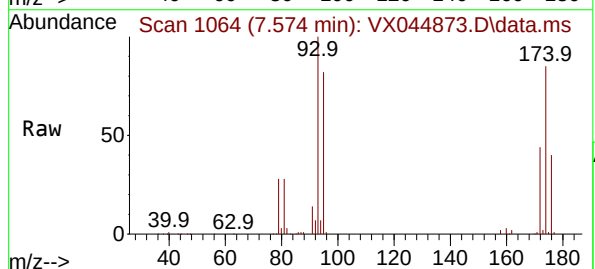
Tgt Ion: 93 Resp: 179689

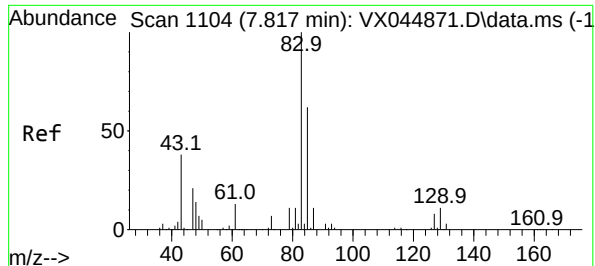
Ion Ratio Lower Upper

93 100

95 82.2 66.2 99.4

174 87.9 69.9 104.9





#47

Bromodichloromethane

Concen: 157.128 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 35762

Ion Ratio Lower Upper

83 100

85 64.3 50.0 75.0

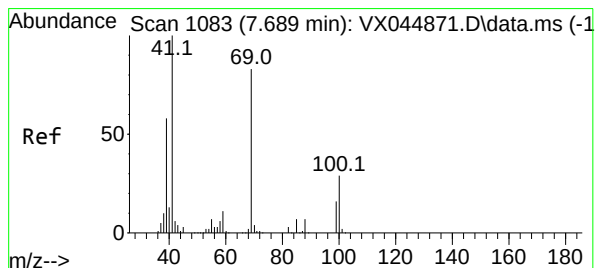
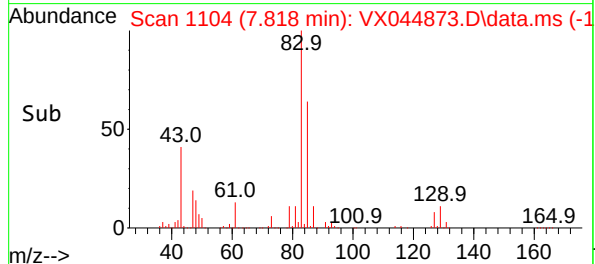
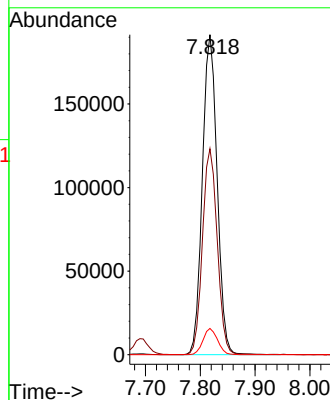
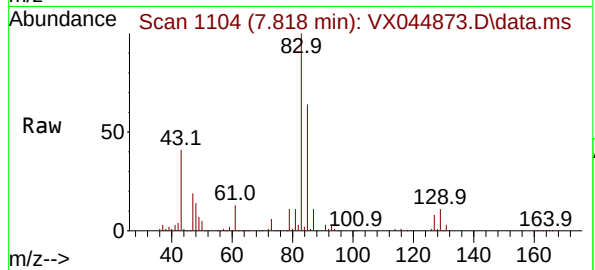
127 8.2 6.4 9.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#48

Methyl methacrylate

Concen: 161.236 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

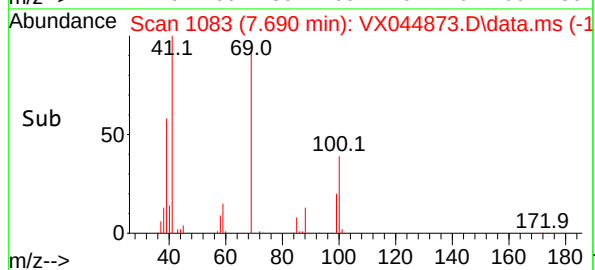
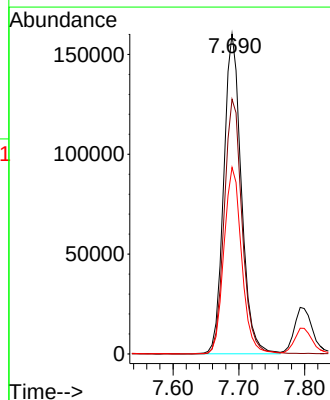
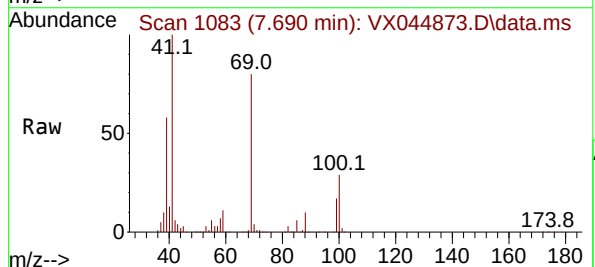
Tgt Ion: 41 Resp: 297931

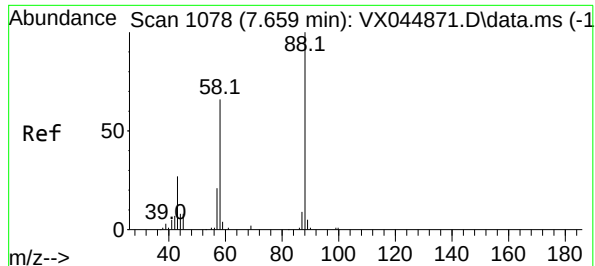
Ion Ratio Lower Upper

41 100

69 81.4 65.8 98.8

39 58.7 46.4 69.6





#49

1,4-Dioxane

Concen: 2678.192 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 88 Resp: 106179

Ion Ratio Lower Upper

88 100

43 33.0 26.6 39.8

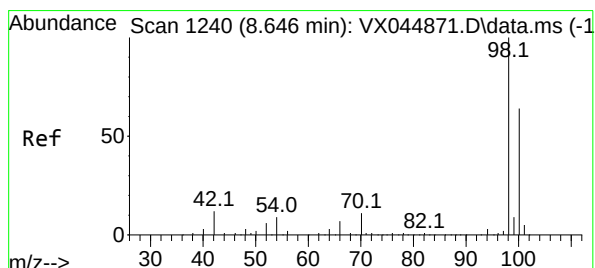
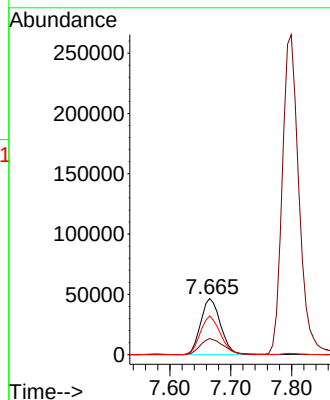
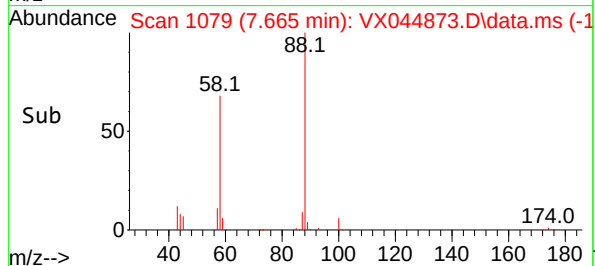
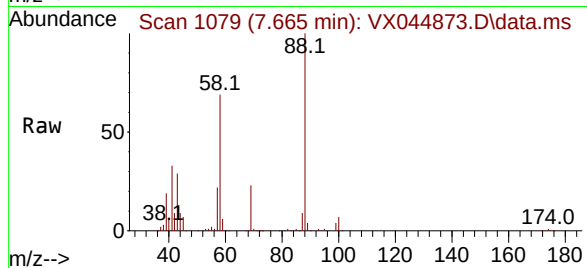
58 69.4 55.9 83.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#50

Toluene-d8

Concen: 147.877 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044873.D

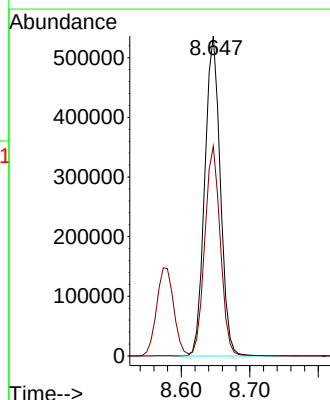
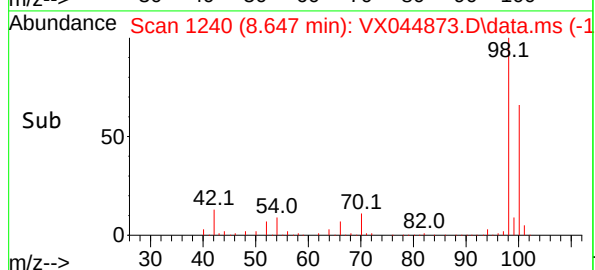
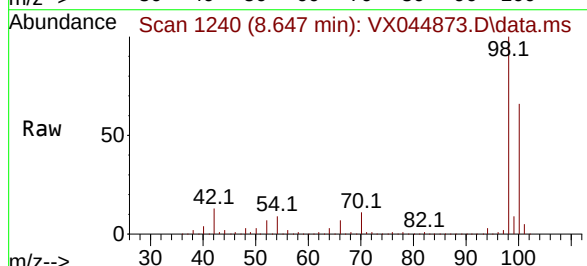
Acq: 10 Feb 2025 12:28

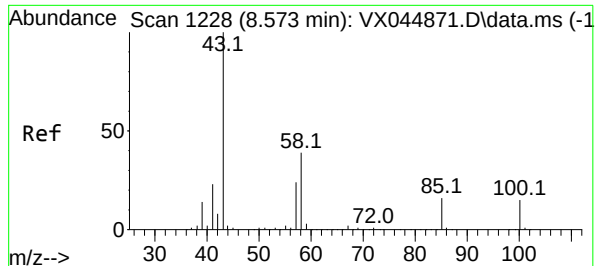
Tgt Ion: 98 Resp: 845632

Ion Ratio Lower Upper

98 100

100 65.5 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 728.887 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 173653

Ion Ratio Lower Upper

43 100

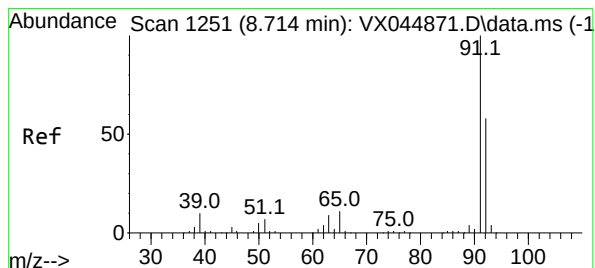
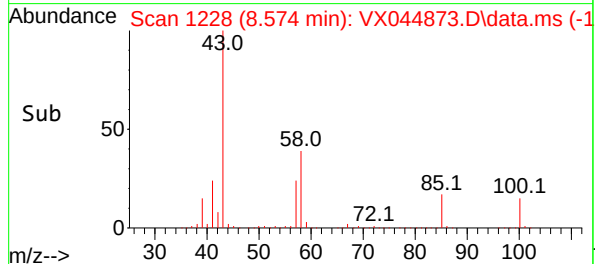
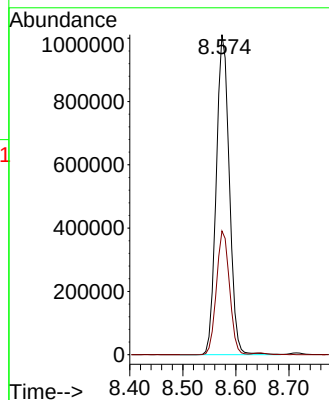
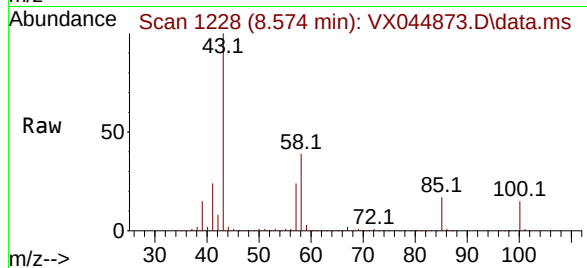
58 38.6 30.8 46.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#52

Toluene

Concen: 148.645 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX044873.D

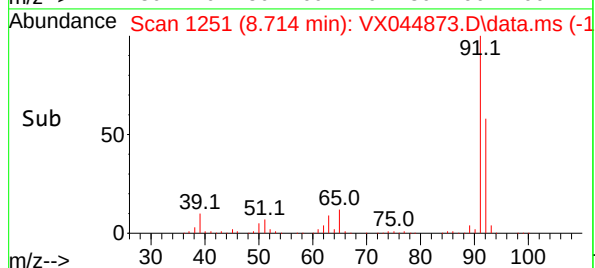
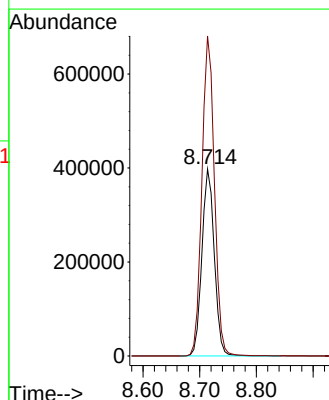
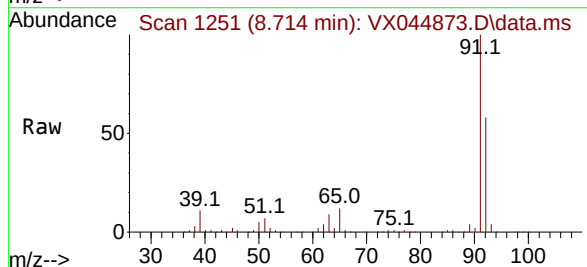
Acq: 10 Feb 2025 12:28

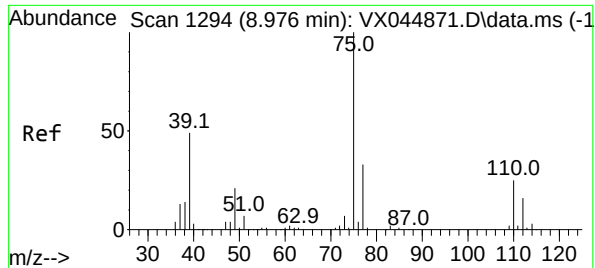
Tgt Ion: 92 Resp: 603113

Ion Ratio Lower Upper

92 100

91 172.6 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 164.398 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 378639

Ion Ratio Lower Upper

75 100

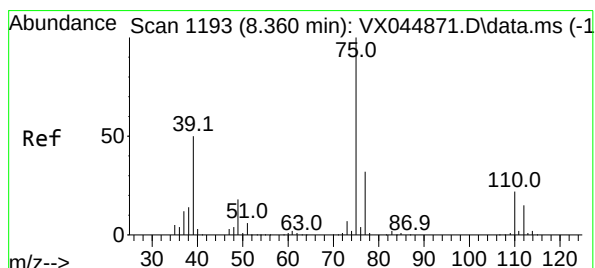
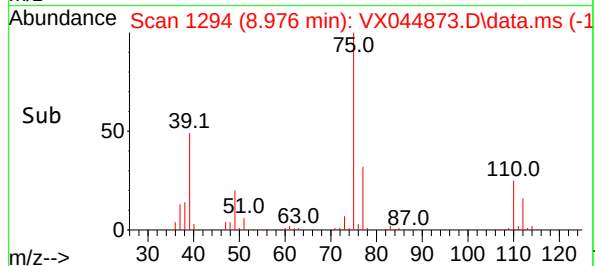
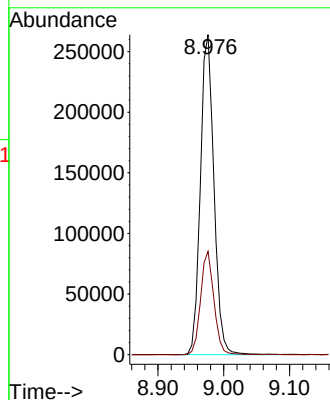
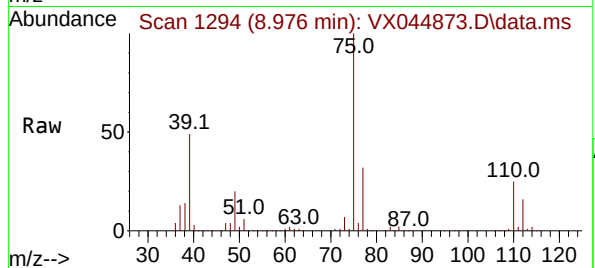
77 32.3 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#54

cis-1,3-Dichloropropene

Concen: 162.667 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

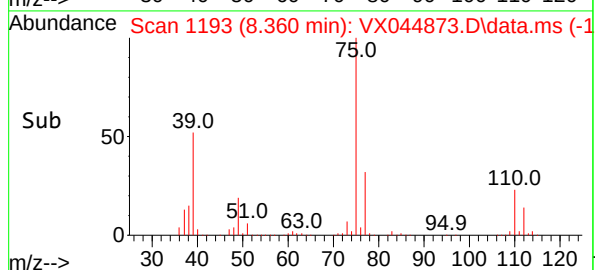
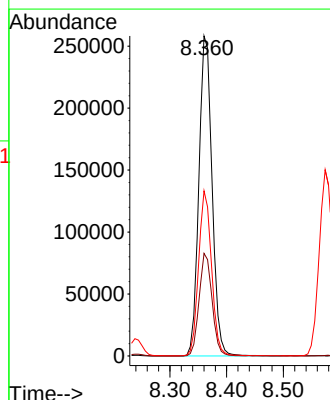
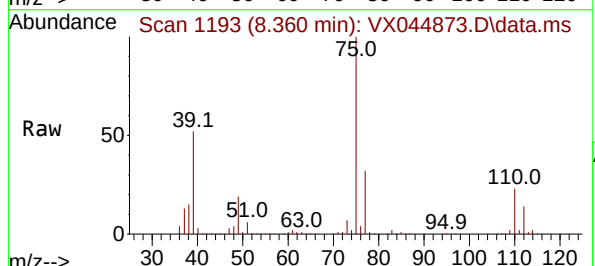
Tgt Ion: 75 Resp: 417724

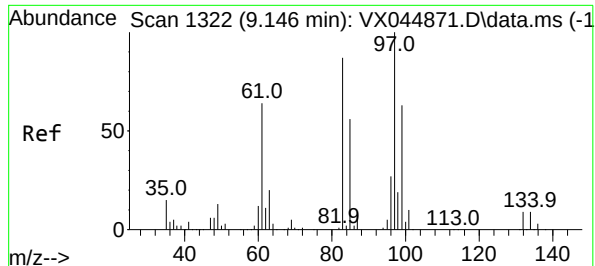
Ion Ratio Lower Upper

75 100

77 32.1 25.3 37.9

39 51.5 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 147.172 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 22954

Ion Ratio Lower Upper

97 100

83 89.8 69.8 104.6

85 58.7 44.8 67.2

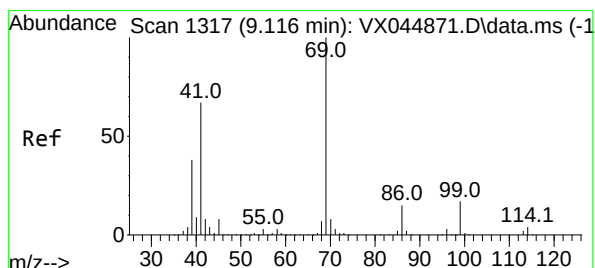
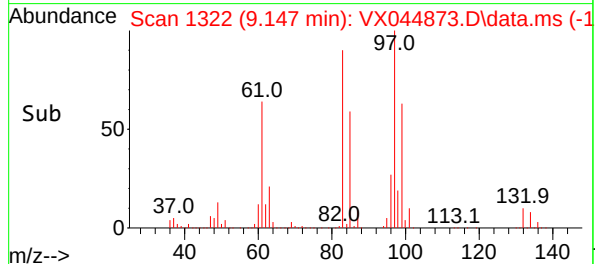
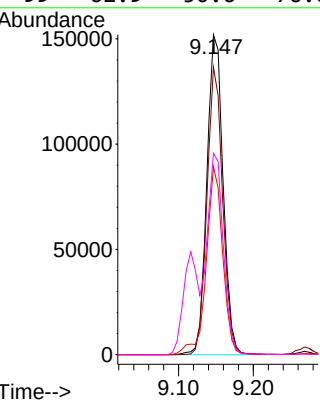
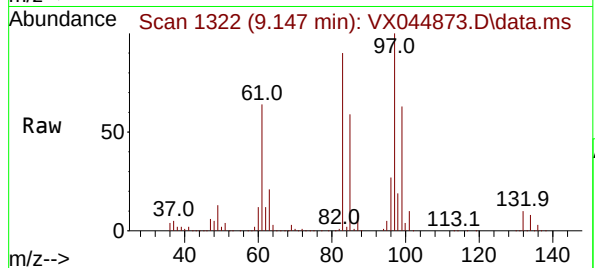
99 62.9 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#56

Ethyl methacrylate

Concen: 158.205 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

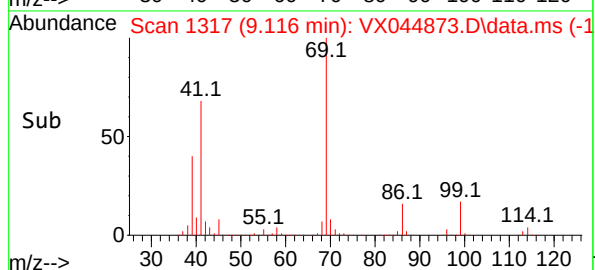
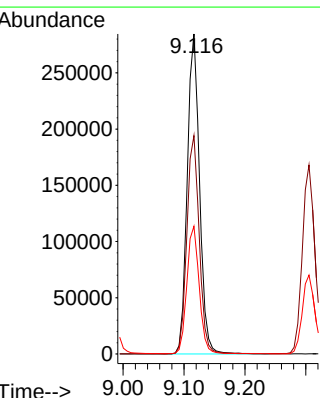
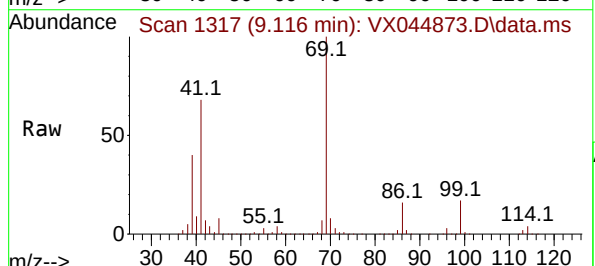
Tgt Ion: 69 Resp: 398535

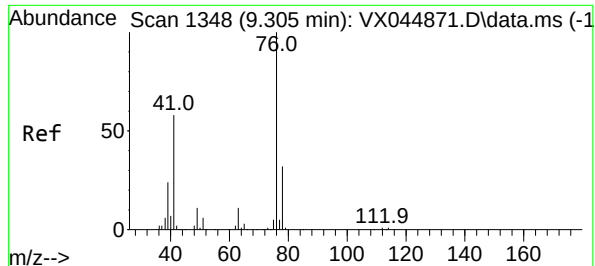
Ion Ratio Lower Upper

69 100

41 68.7 55.2 82.8

39 40.0 30.8 46.2





#57

1,3-Dichloropropane

Concen: 147.915 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 40366

Ion Ratio Lower Upper

76 100

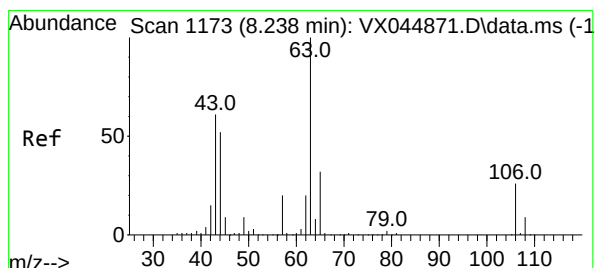
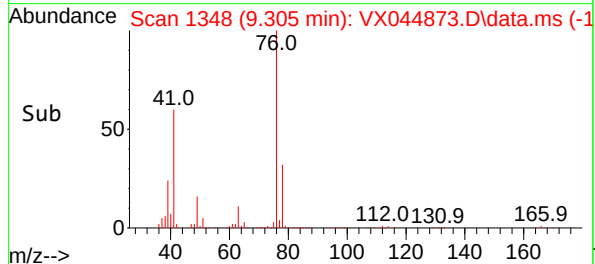
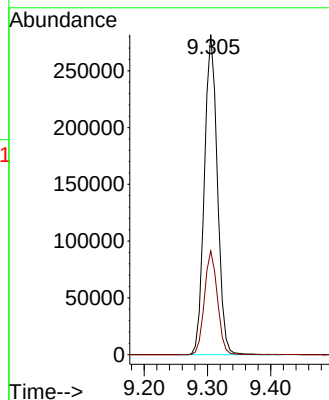
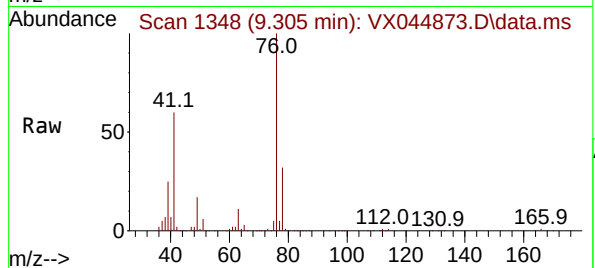
78 32.3 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#58

2-Chloroethyl Vinyl ether

Concen: 794.010 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044873.D

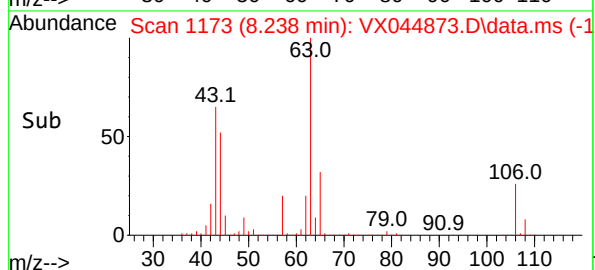
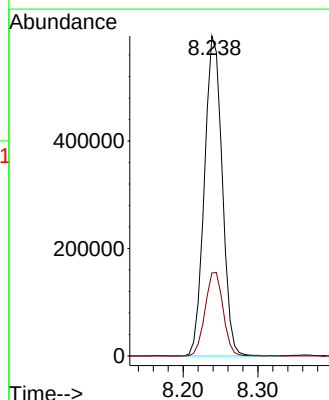
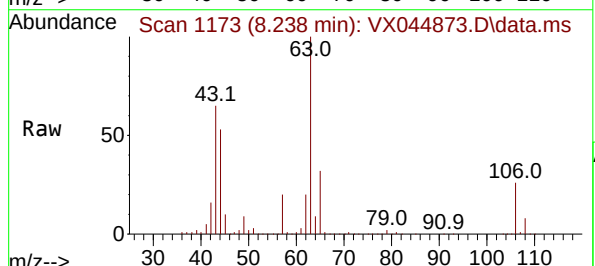
Acq: 10 Feb 2025 12:28

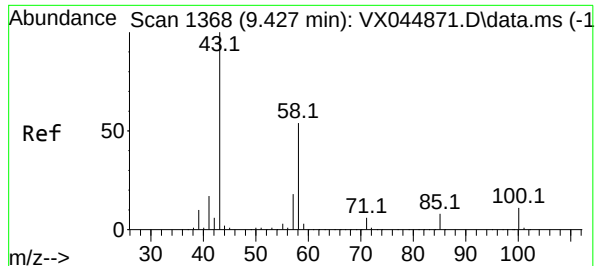
Tgt Ion: 63 Resp: 982120

Ion Ratio Lower Upper

63 100

106 26.6 21.3 31.9





#59

2-Hexanone

Concen: 736.622 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 1264470

Ion Ratio Lower Upper

43 100

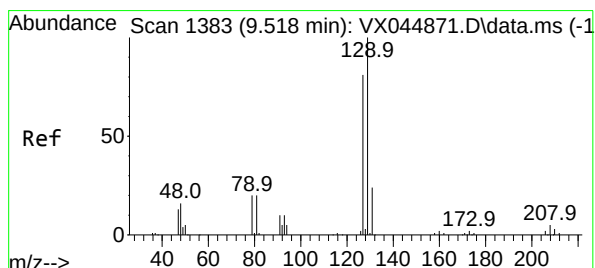
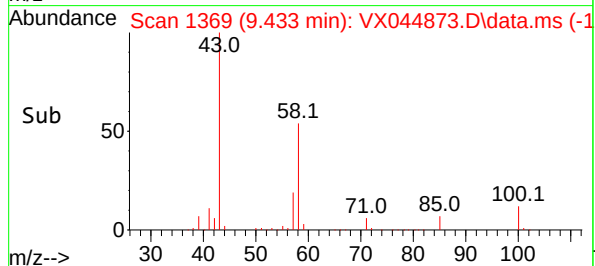
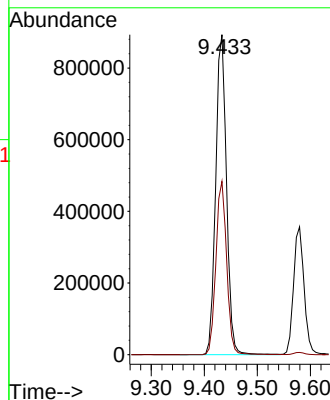
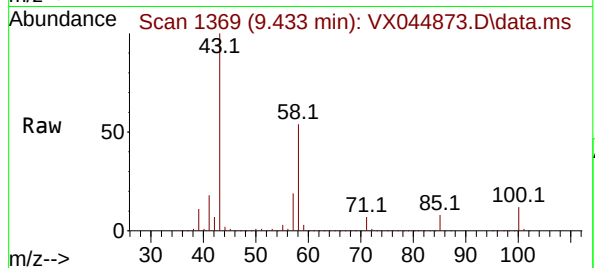
58 54.1 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#60

Dibromochloromethane

Concen: 154.862 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044873.D

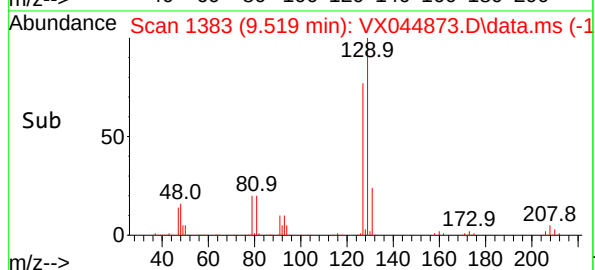
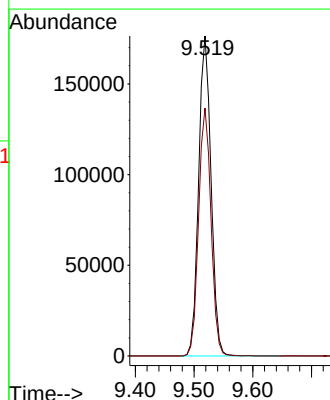
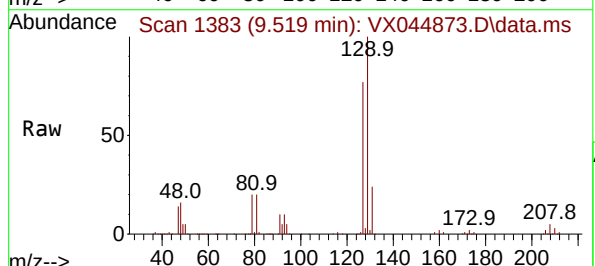
Acq: 10 Feb 2025 12:28

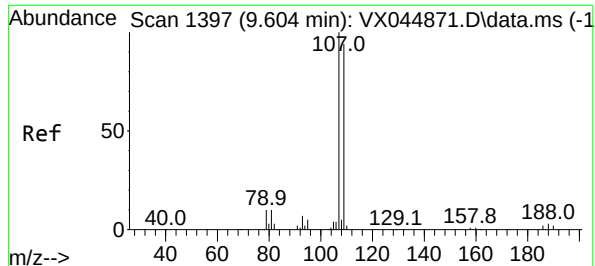
Tgt Ion:129 Resp: 258320

Ion Ratio Lower Upper

129 100

127 77.6 39.1 117.3





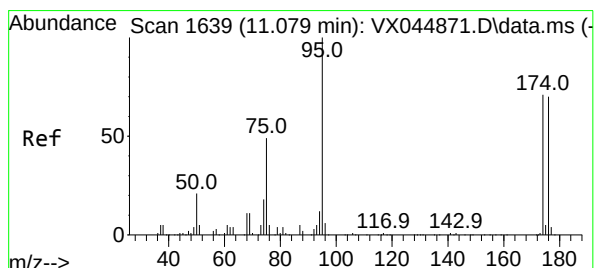
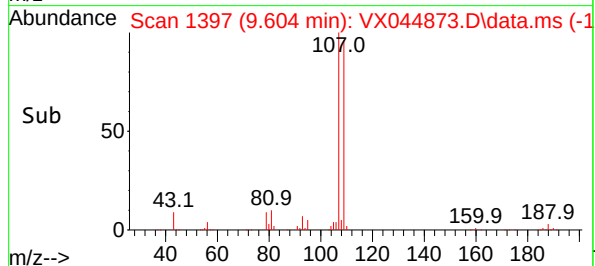
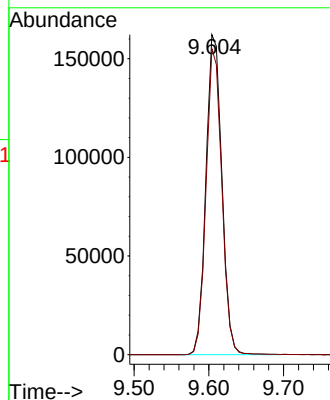
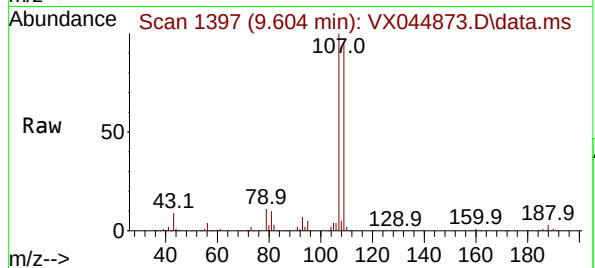
#61
1,2-Dibromoethane
Concen: 152.157 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 240539
Ion Ratio Lower Upper
107 100
109 94.3 75.9 113.9

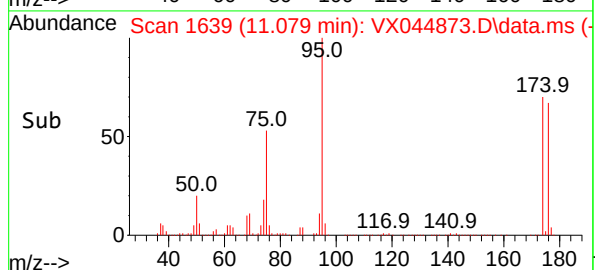
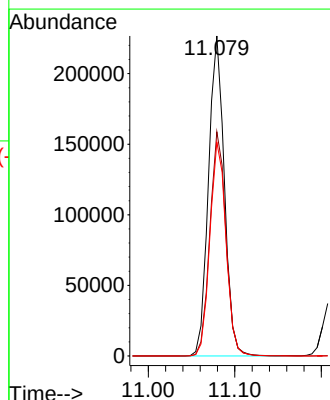
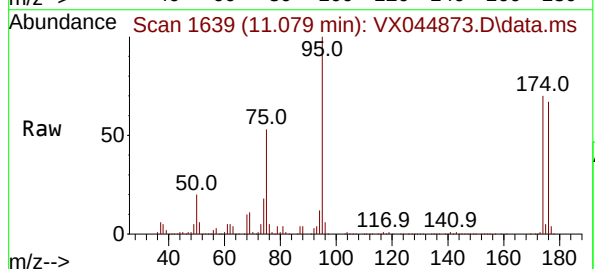
Manual Integrations
APPROVED

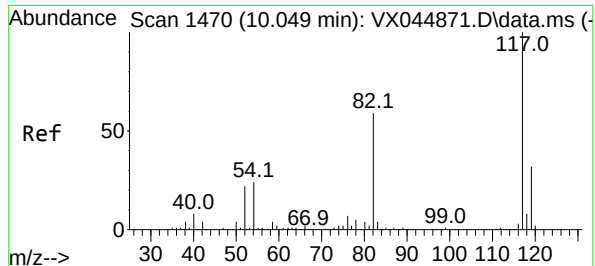
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#62
4-Bromofluorobenzene
Concen: 149.124 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 95 Resp: 287486
Ion Ratio Lower Upper
95 100
174 71.2 0.0 142.6
176 68.0 0.0 141.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion:117 Resp: 19666

Ion Ratio Lower Upper

117 100

82 58.1 47.5 71.3

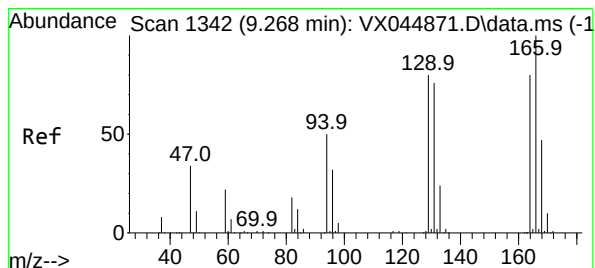
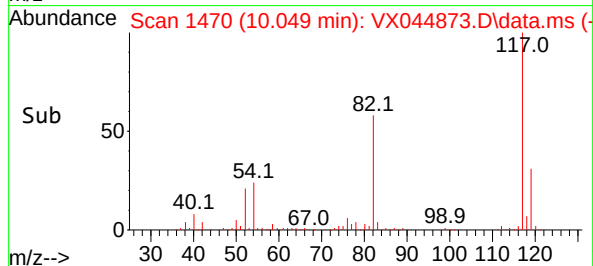
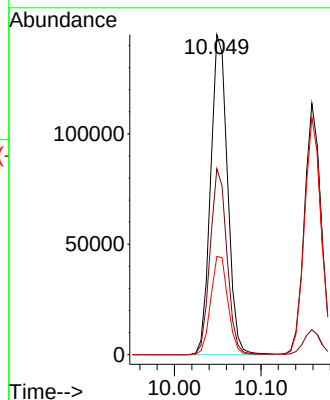
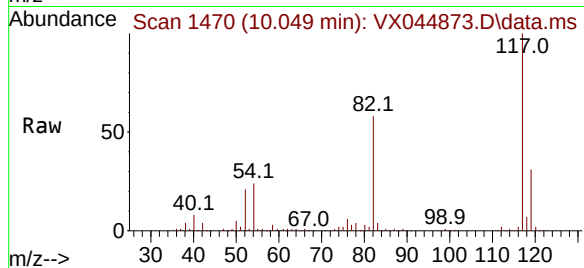
119 30.7 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#64

Tetrachloroethene

Concen: 149.155 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Tgt Ion:164 Resp: 184990

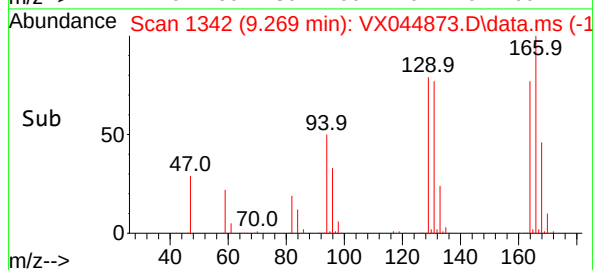
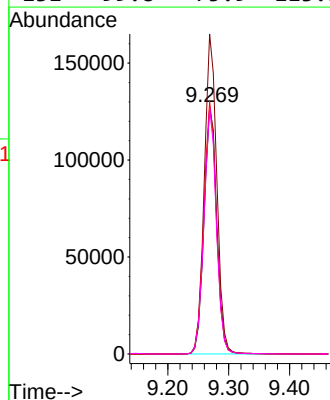
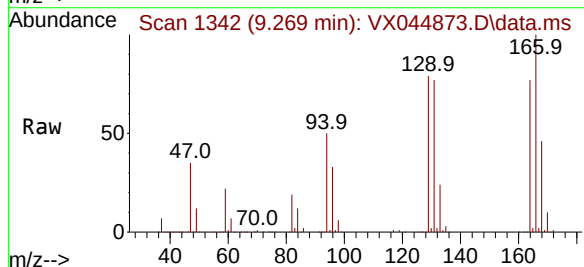
Ion Ratio Lower Upper

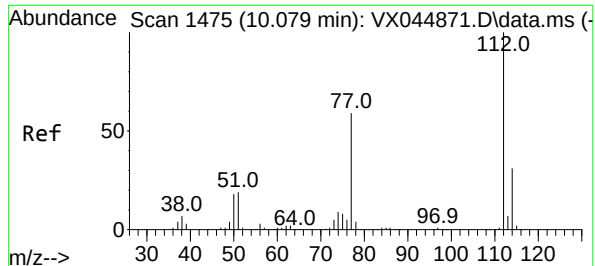
164 100

166 129.5 100.4 150.6

129 102.3 79.9 119.9

131 99.8 75.9 113.9





#65

Chlorobenzene

Concen: 150.224 ug/l

RT: 10.073 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:112 Resp: 634550

Ion Ratio Lower Upper

112 100

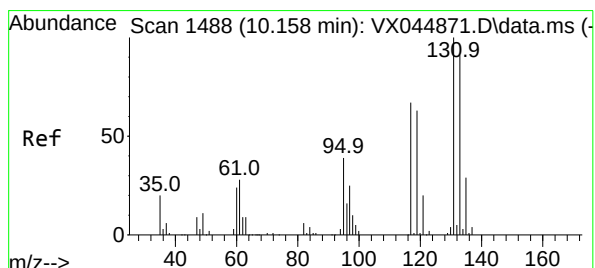
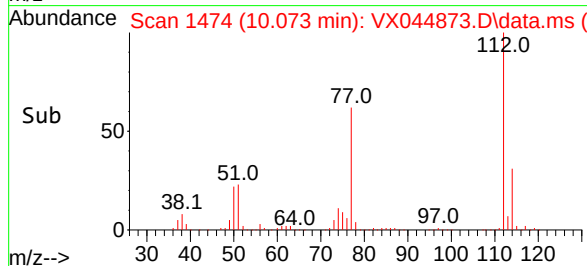
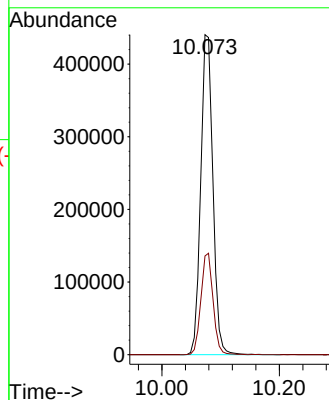
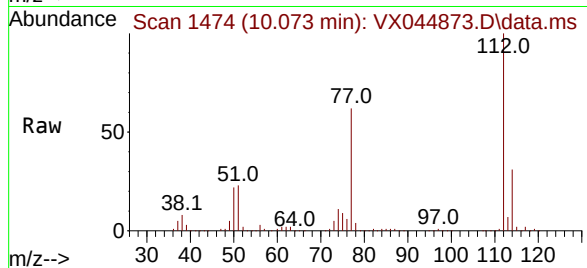
114 30.9 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 156.255 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

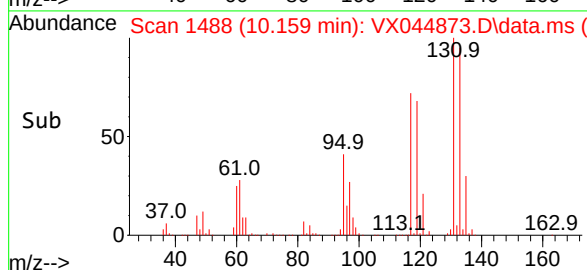
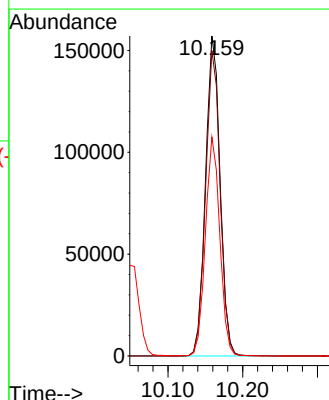
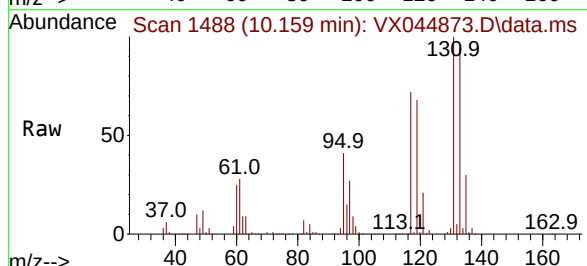
Tgt Ion:131 Resp: 212441

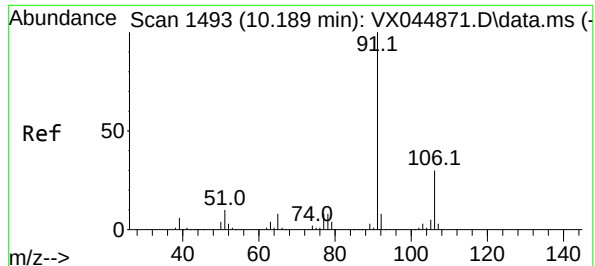
Ion Ratio Lower Upper

131 100

133 95.3 47.1 141.3

119 67.9 33.6 100.6





#67

Ethyl Benzene

Concen: 152.647 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 113784

Ion Ratio Lower Upper

91 100

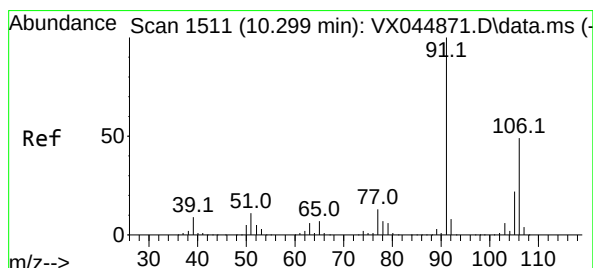
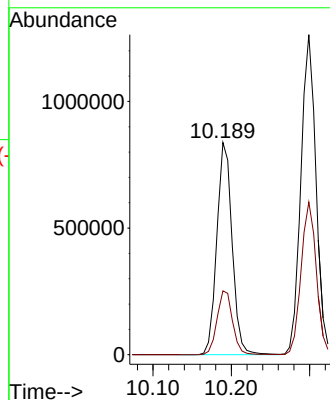
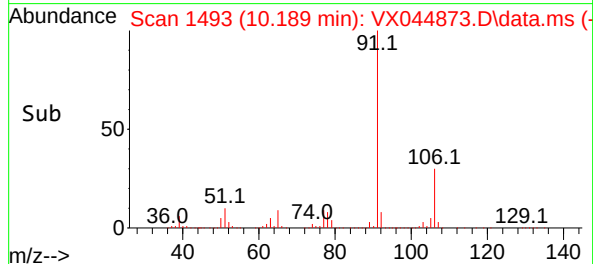
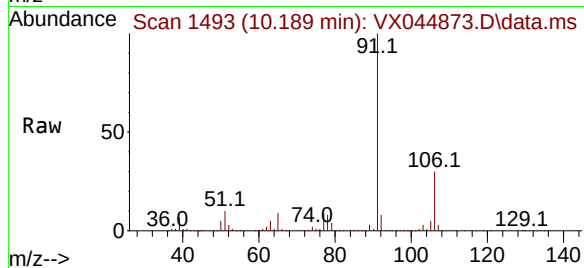
106 30.1 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#68

m/p-Xylenes

Concen: 297.841 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044873.D

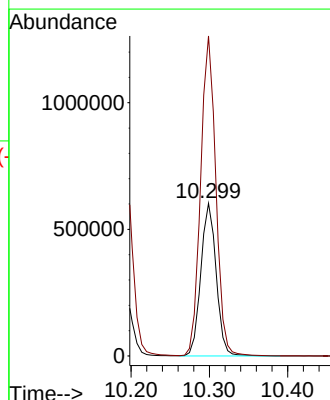
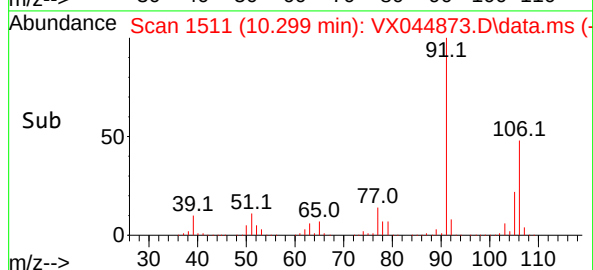
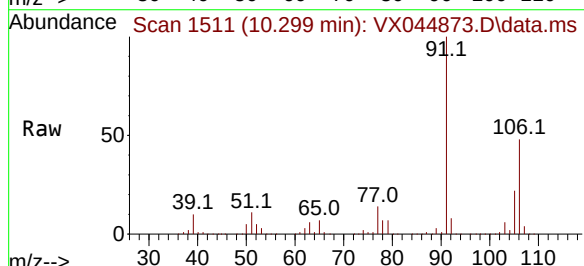
Acq: 10 Feb 2025 12:28

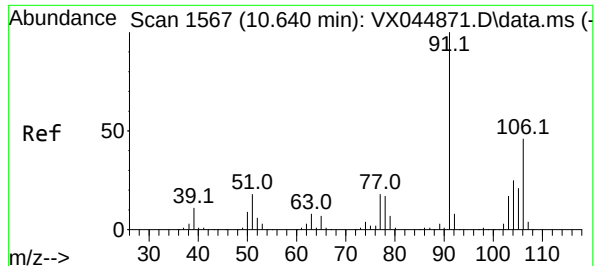
Tgt Ion:106 Resp: 818971

Ion Ratio Lower Upper

106 100

91 208.6 164.3 246.5





#69

o-Xylene

Concen: 145.674 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion:106 Resp: 401928

Ion Ratio Lower Upper

106 100

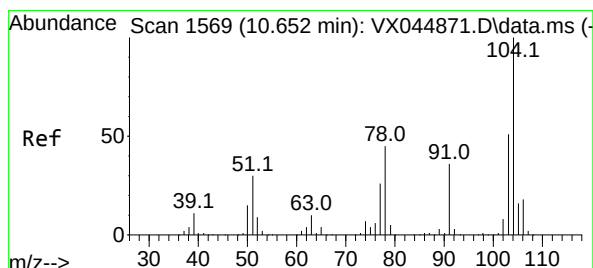
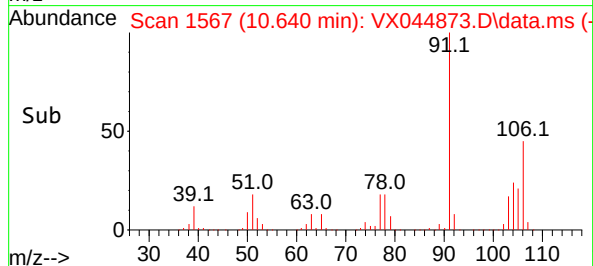
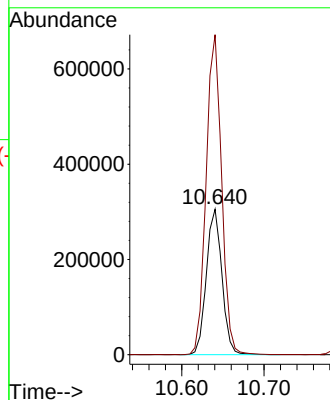
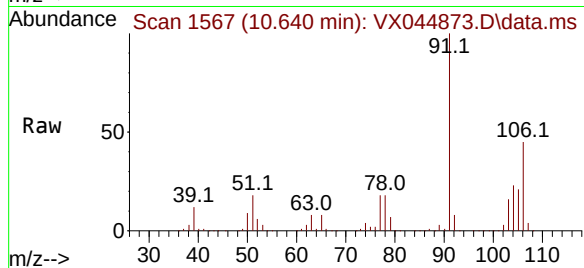
91 218.9 108.5 325.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#70

Styrene

Concen: 151.140 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

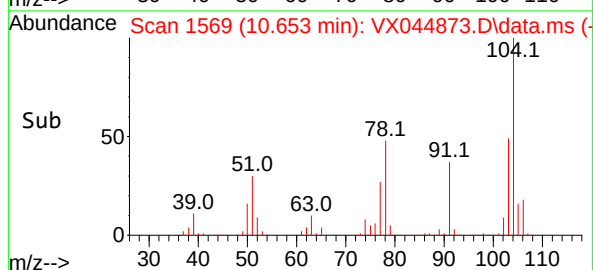
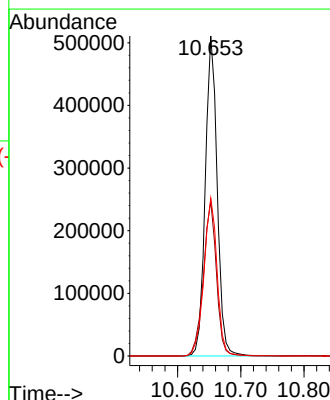
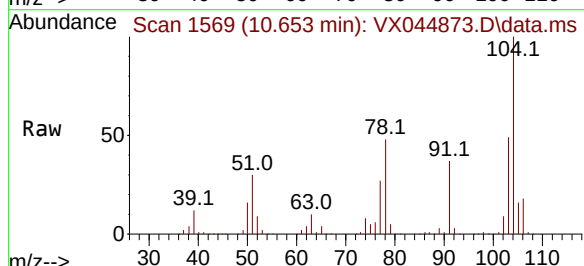
Tgt Ion:104 Resp: 671843

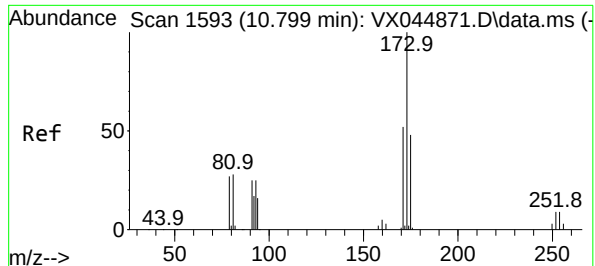
Ion Ratio Lower Upper

104 100

78 53.0 40.5 60.7

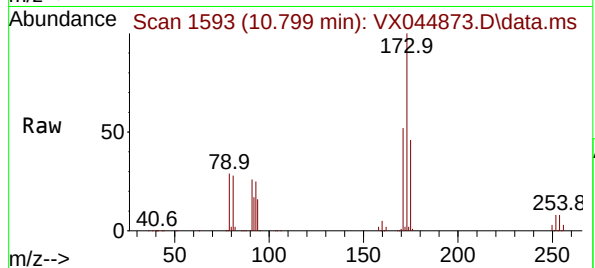
103 54.5 43.6 65.4





#71
Bromoform
Concen: 167.033 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

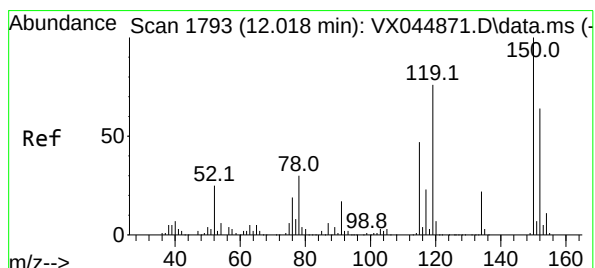
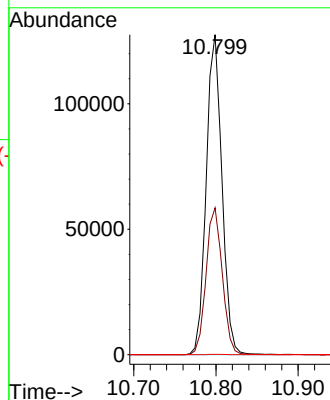
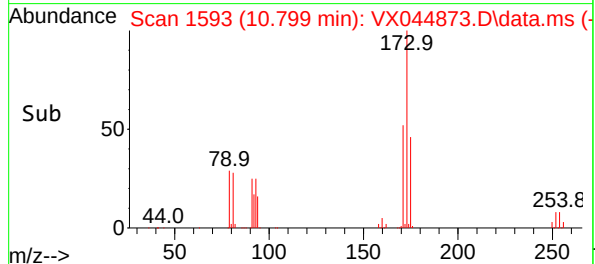
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion:173 Resp: 16948
Ion Ratio Lower Upper
173 100
175 47.4 24.3 72.8
254 0.1 0.0 0.0

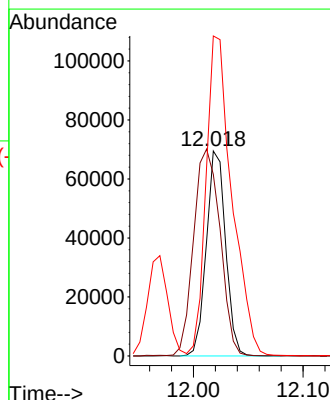
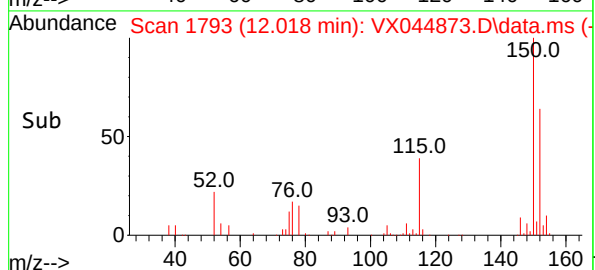
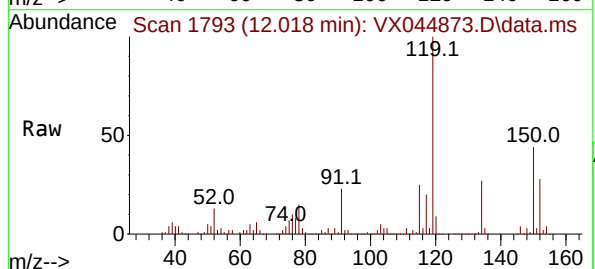
Manual Integrations
APPROVED

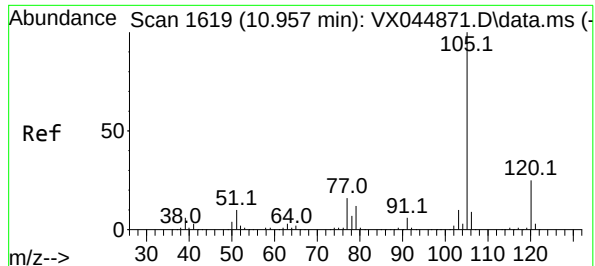
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:152 Resp: 84836
Ion Ratio Lower Upper
152 100
115 139.2 43.4 130.1#
150 209.6 0.0 350.4





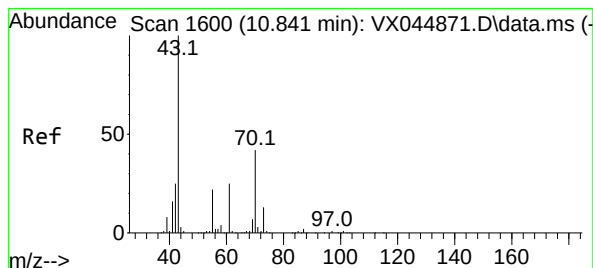
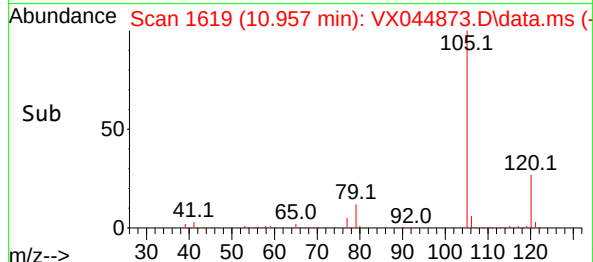
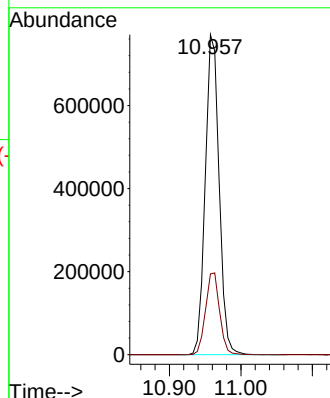
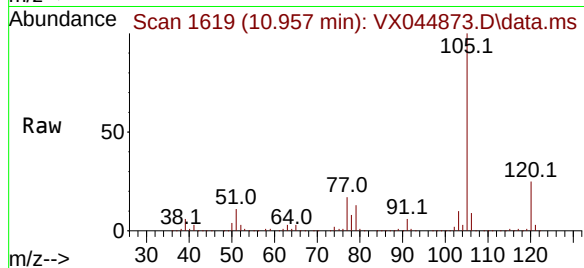
#73
Isopropylbenzene
Concen: 151.869 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 103740
Ion Ratio Lower Upper
105 100
120 25.9 13.2 39.5

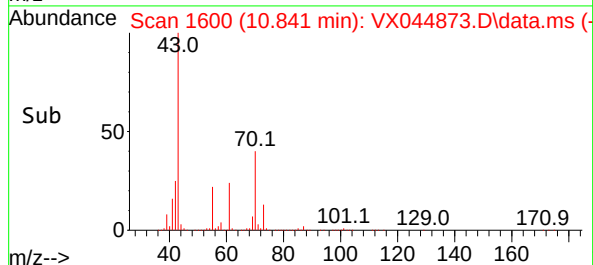
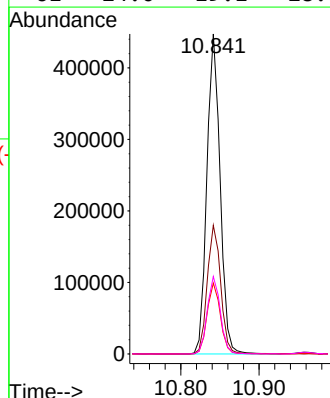
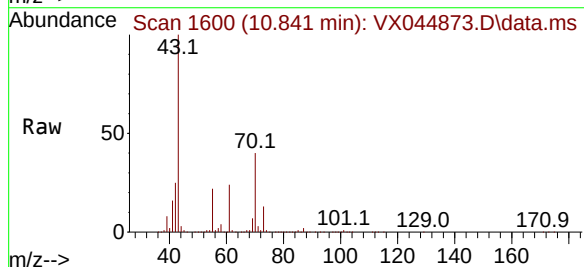
Manual Integrations
APPROVED

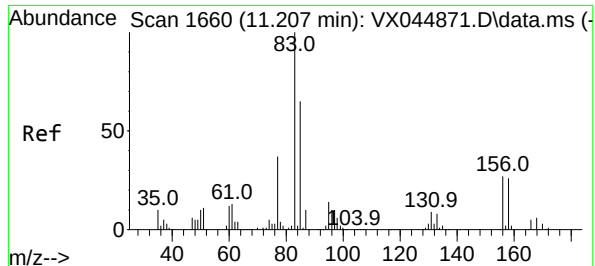
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#74
N-ethyl acetate
Concen: 168.861 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 521962
Ion Ratio Lower Upper
43 100
70 41.0 33.7 50.5
55 22.3 18.6 27.8
61 24.0 19.1 28.7





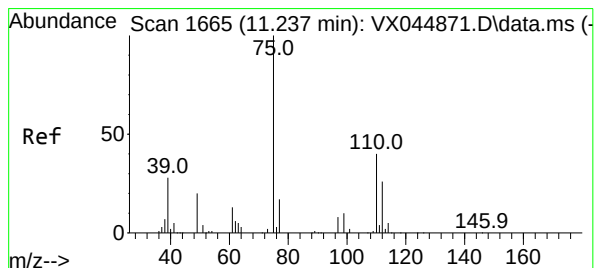
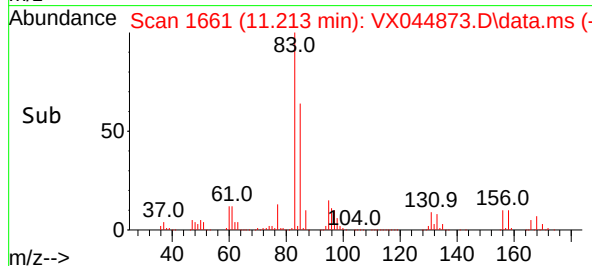
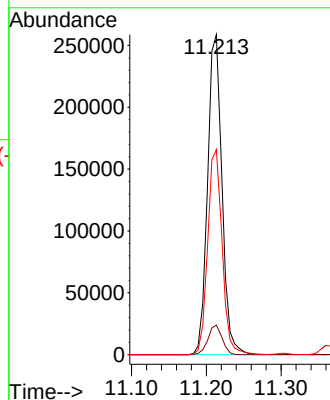
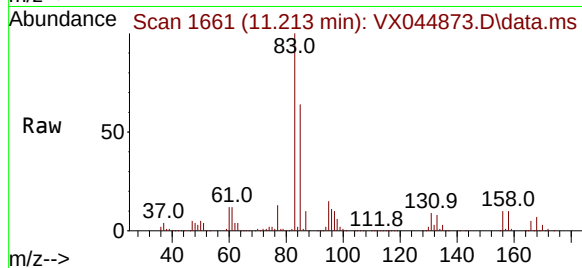
#75
1,1,2,2-Tetrachloroethane
Concen: 147.409 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 34601
Ion Ratio Lower Upper
83 100
131 9.1 4.5 13.5
85 64.3 32.3 96.8

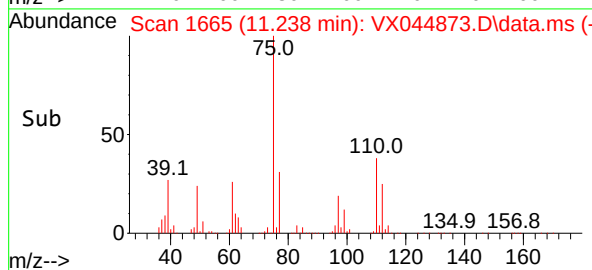
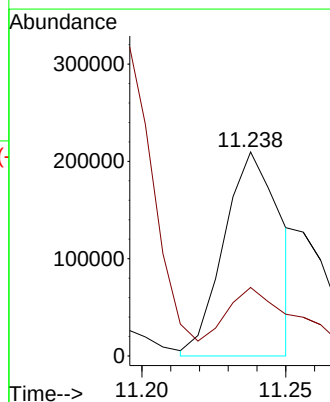
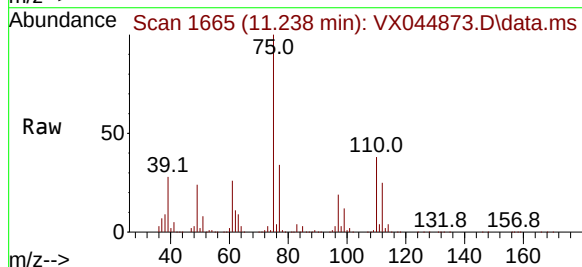
Manual Integrations
APPROVED

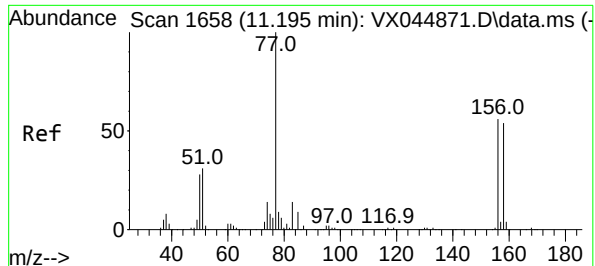
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#76
1,2,3-Trichloropropane
Concen: 151.485 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

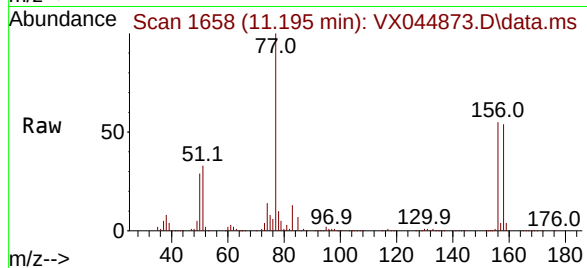
Tgt Ion: 75 Resp: 284934
Ion Ratio Lower Upper
75 100
77 44.3 21.9 65.7





#77
Bromobenzene
Concen: 151.715 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

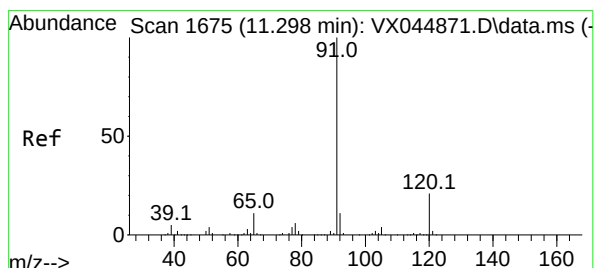
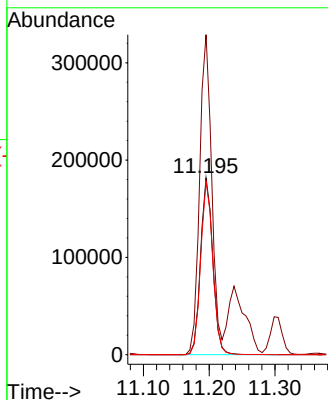
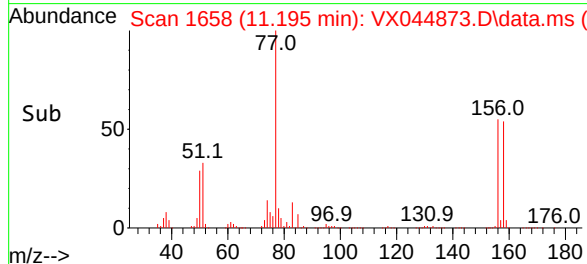
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion: 156 Resp: 23495
Ion Ratio Lower Upper
156 100
77 179.2 88.4 265.3
158 97.1 48.4 145.2

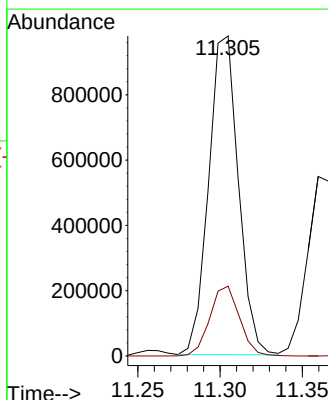
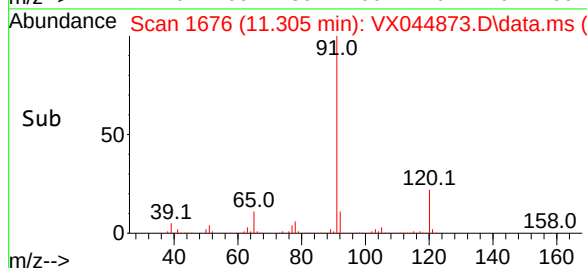
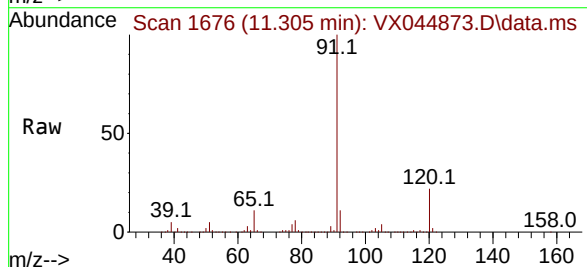
Manual Integrations
APPROVED

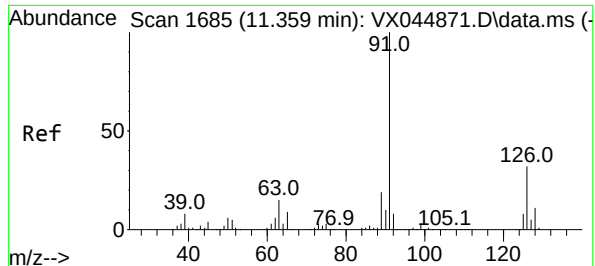
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#78
n-propylbenzene
Concen: 156.140 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 91 Resp: 1231079
Ion Ratio Lower Upper
91 100
120 21.8 11.1 33.3





#79

2-Chlorotoluene

Concen: 148.123 ug/l

RT: 11.360 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 717760

Ion Ratio Lower Upper

91 100

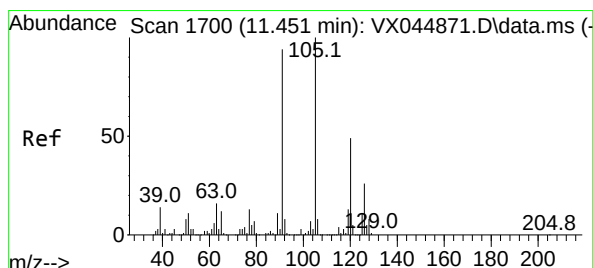
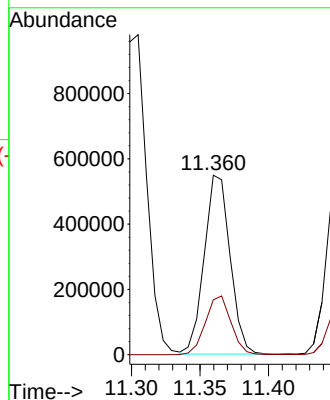
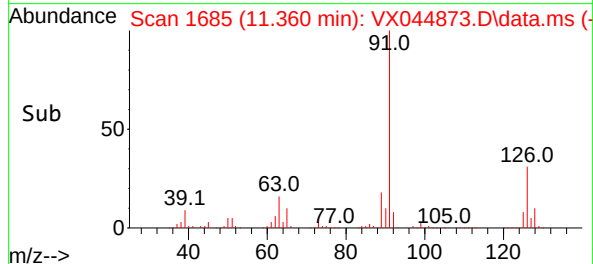
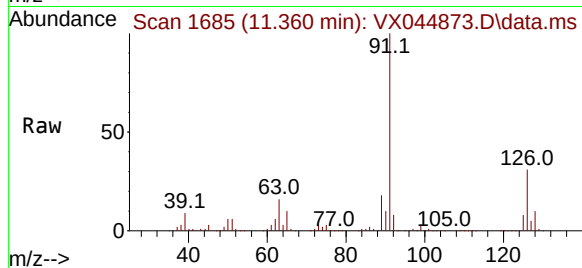
126 32.5 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#80

1,3,5-Trimethylbenzene

Concen: 148.415 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044873.D

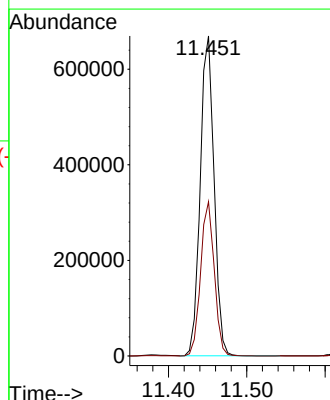
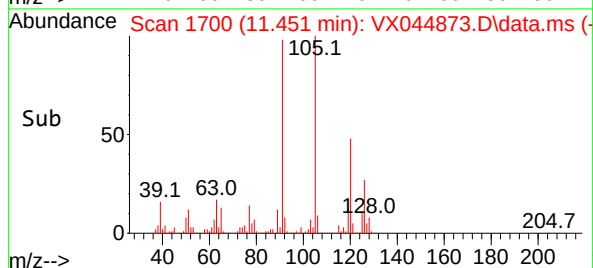
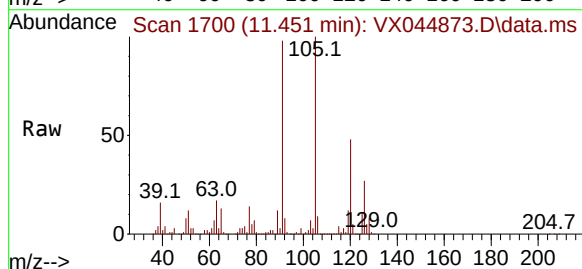
Acq: 10 Feb 2025 12:28

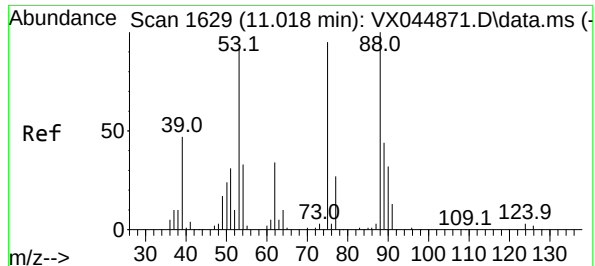
Tgt Ion:105 Resp: 822707

Ion Ratio Lower Upper

105 100

120 47.6 24.0 72.0





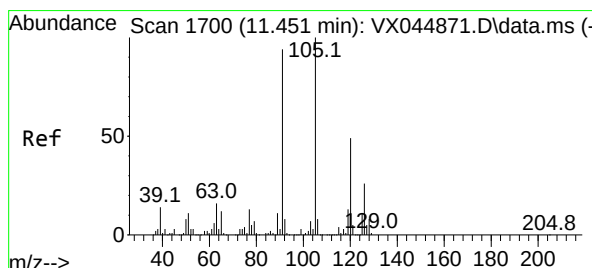
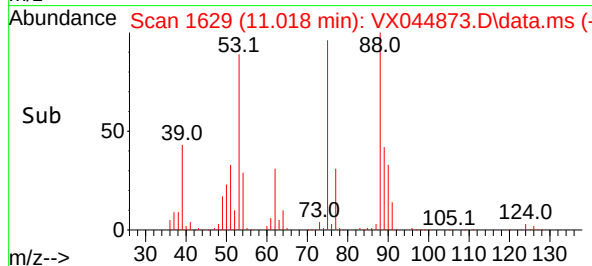
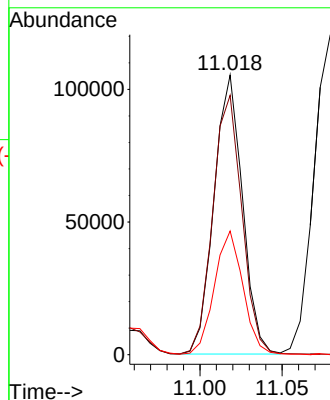
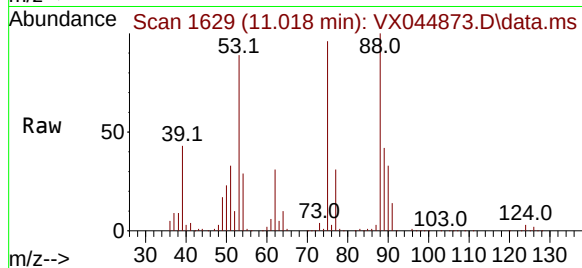
#81
trans-1,4-Dichloro-2-butene
Concen: 173.221 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 126660
Ion Ratio Lower Upper
75 100
53 95.2 78.0 117.0
89 44.7 36.6 54.8

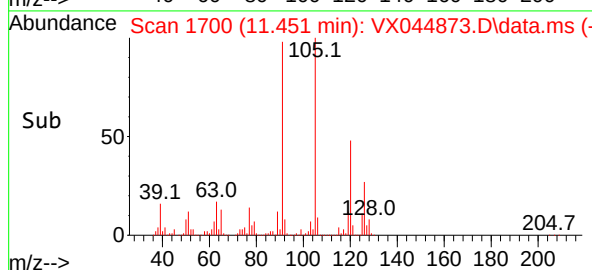
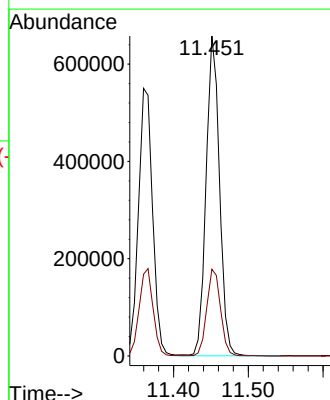
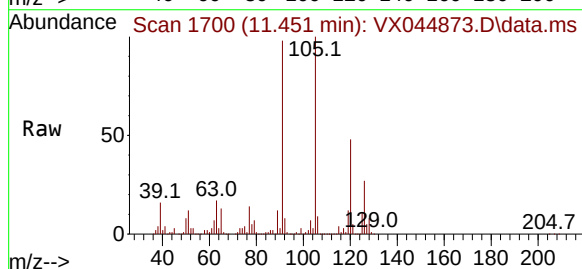
Manual Integrations
APPROVED

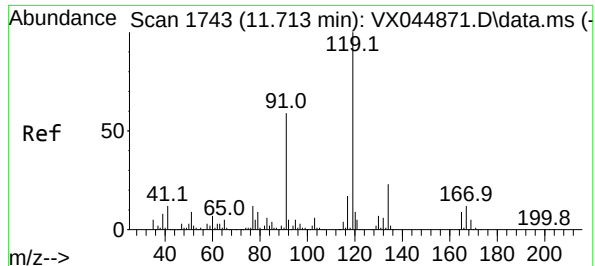
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#82
4-Chlorotoluene
Concen: 152.602 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 91 Resp: 818099
Ion Ratio Lower Upper
91 100
126 27.9 14.2 42.6





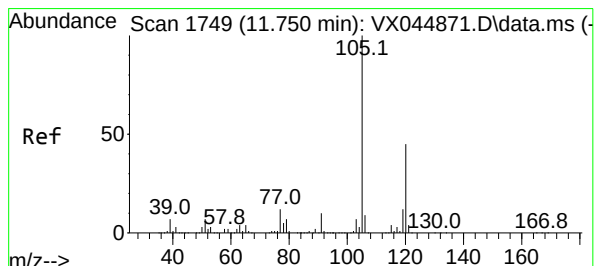
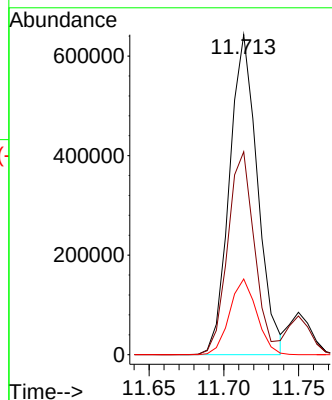
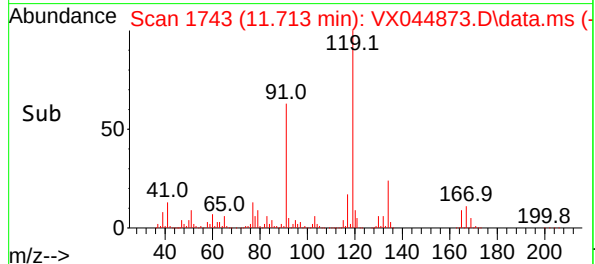
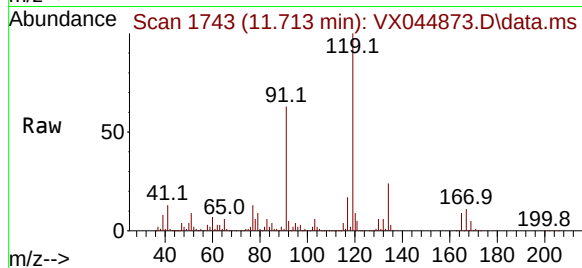
#83
tert-Butylbenzene
Concen: 149.610 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 838979
Ion Ratio Lower Upper
119 100
91 61.1 29.1 87.4
134 22.9 11.5 34.5

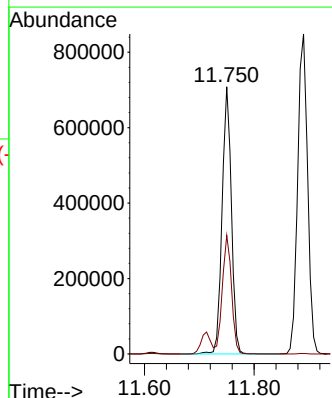
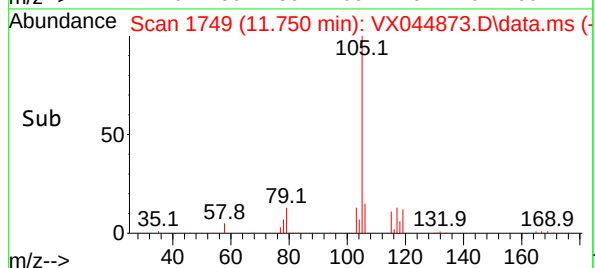
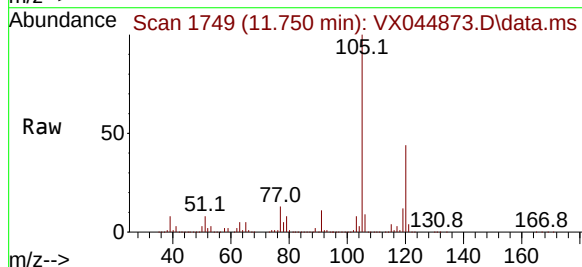
Manual Integrations
APPROVED

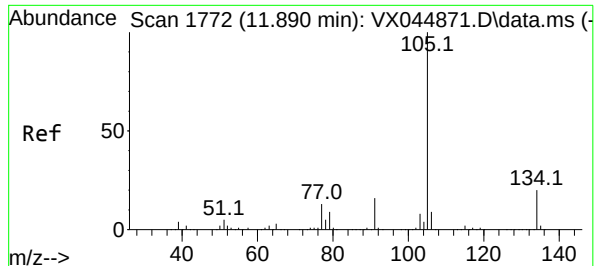
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#84
1,2,4-Trimethylbenzene
Concen: 153.274 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:105 Resp: 838584
Ion Ratio Lower Upper
105 100
120 44.2 22.4 67.0





#85

sec-Butylbenzene

Concen: 152.806 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:105 Resp: 106110

Ion Ratio Lower Upper

105 100

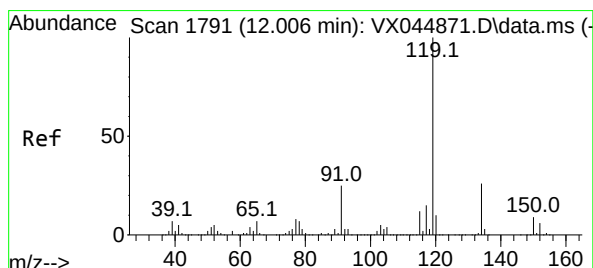
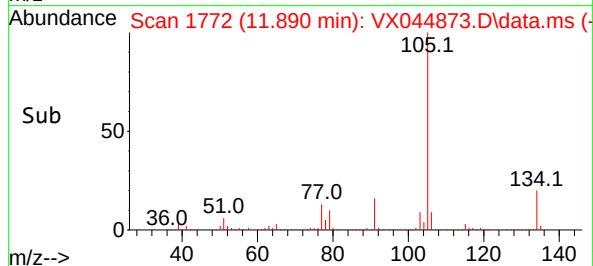
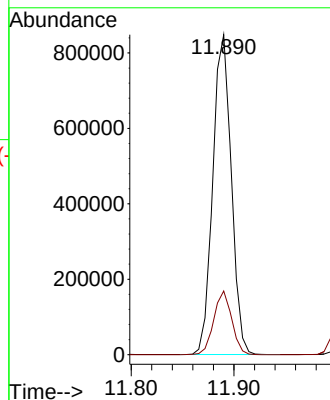
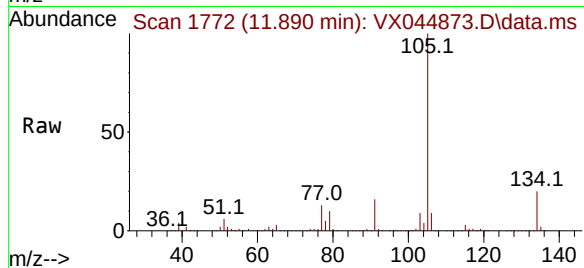
134 19.3 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#86

p-Isopropyltoluene

Concen: 154.987 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

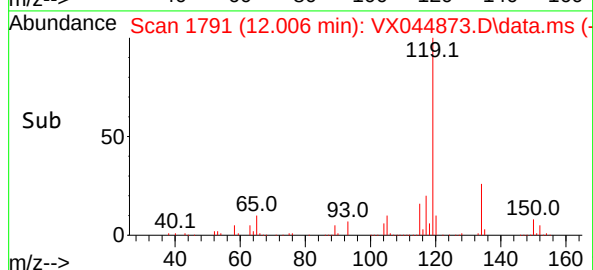
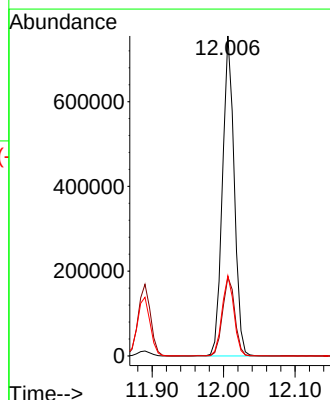
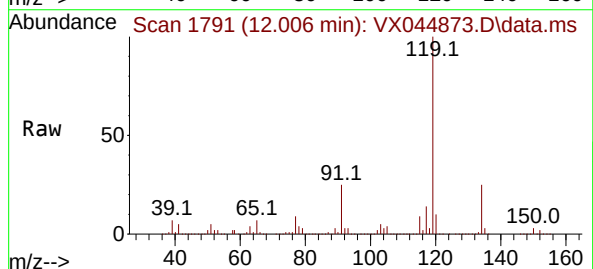
Tgt Ion:119 Resp: 865491

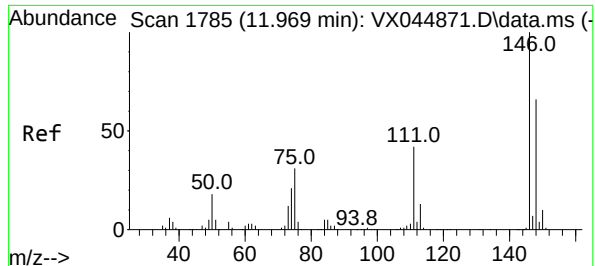
Ion Ratio Lower Upper

119 100

134 25.6 13.0 38.9

91 25.3 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 152.175 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tgt Ion:146 Resp: 433384

Ion Ratio Lower Upper

146 100

111 43.0 21.2 63.6

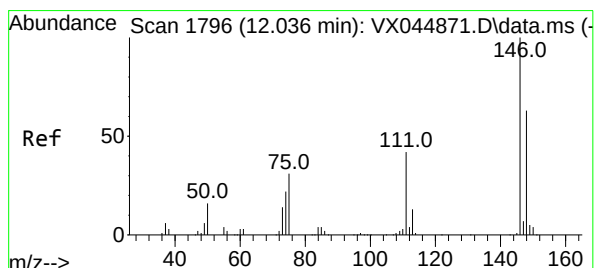
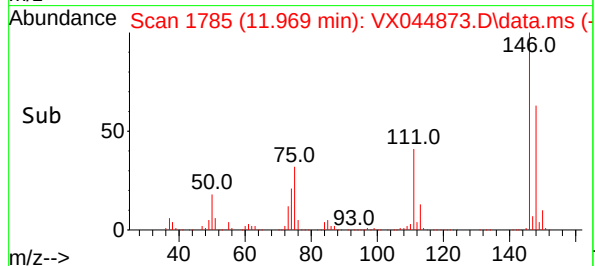
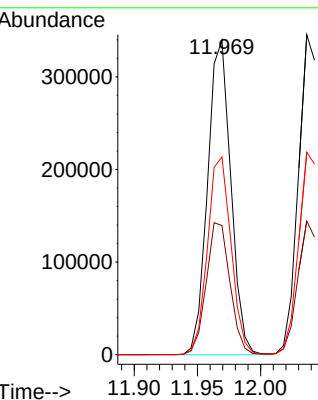
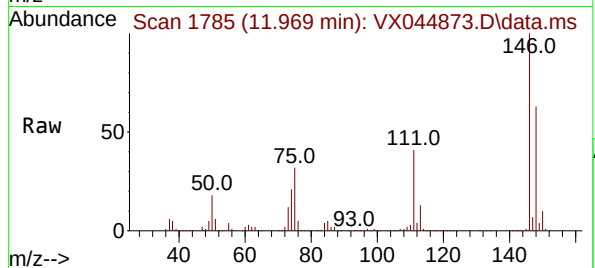
148 63.9 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#88

1,4-Dichlorobenzene

Concen: 150.362 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

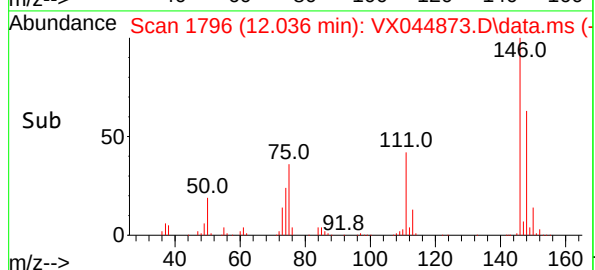
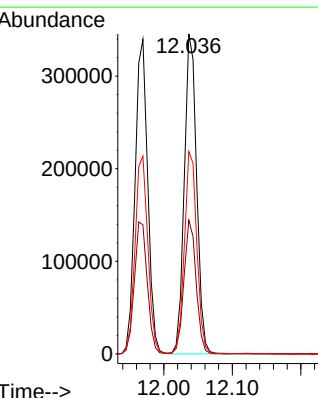
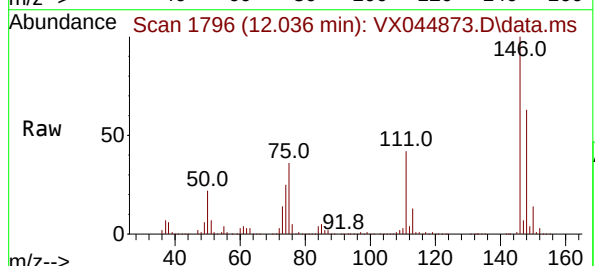
Tgt Ion:146 Resp: 432987

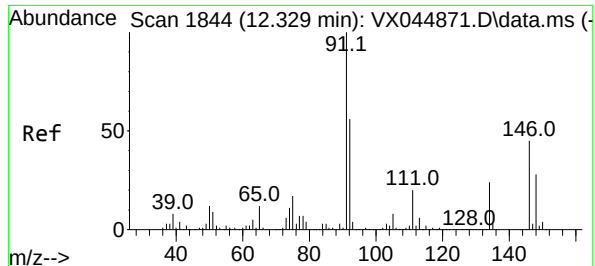
Ion Ratio Lower Upper

146 100

111 41.2 20.4 61.3

148 63.7 32.0 96.0





#89

n-Butylbenzene

Concen: 167.469 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 82735

Ion Ratio Lower Upper

91 100

92 54.2 27.2 81.6

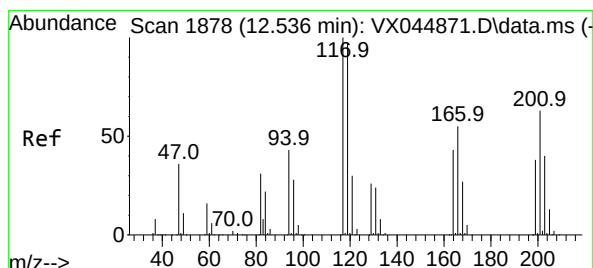
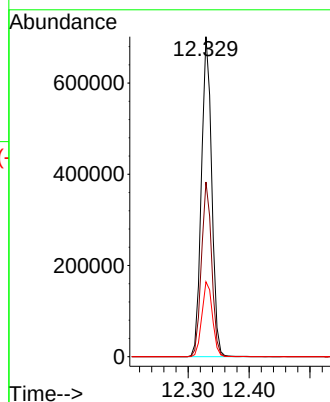
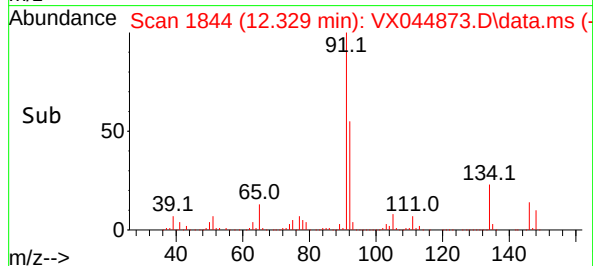
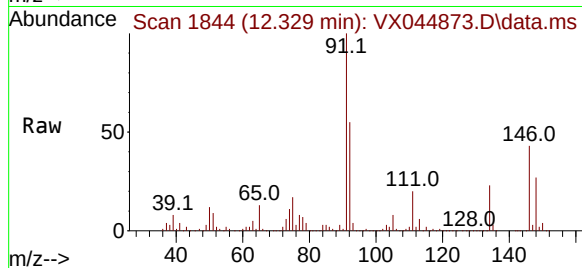
134 24.0 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#90

Hexachloroethane

Concen: 167.760 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044873.D

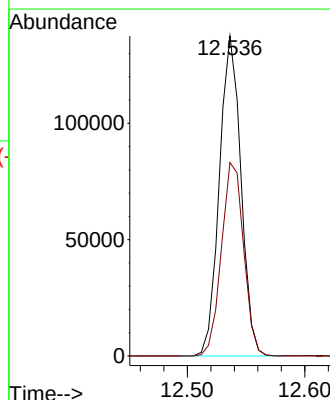
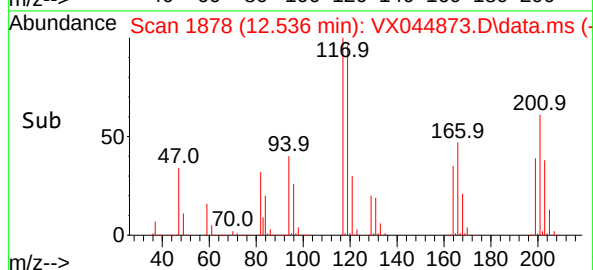
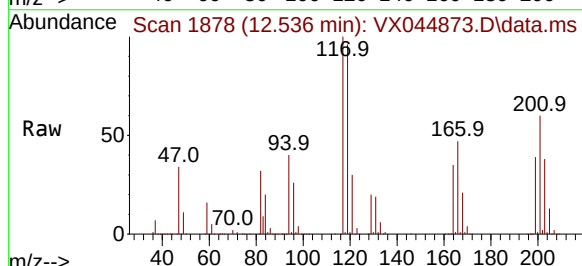
Acq: 10 Feb 2025 12:28

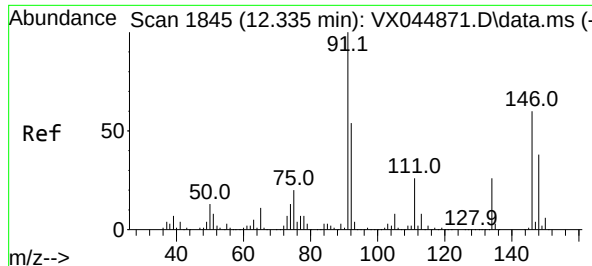
Tgt Ion:117 Resp: 175414

Ion Ratio Lower Upper

117 100

201 62.4 32.5 97.5





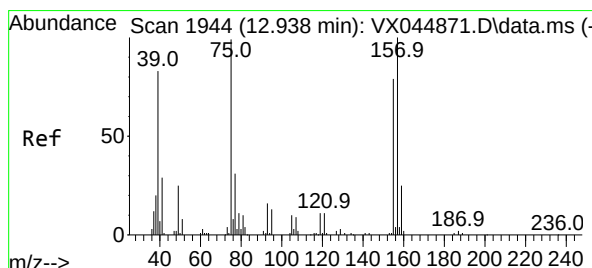
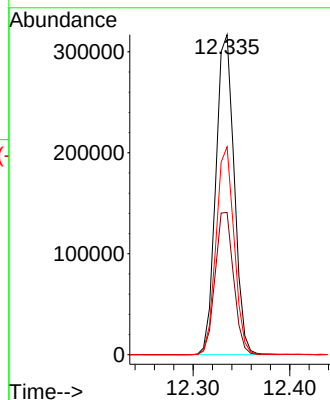
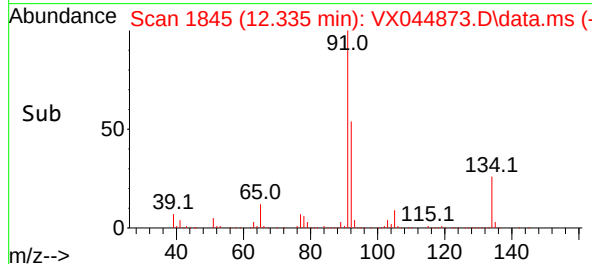
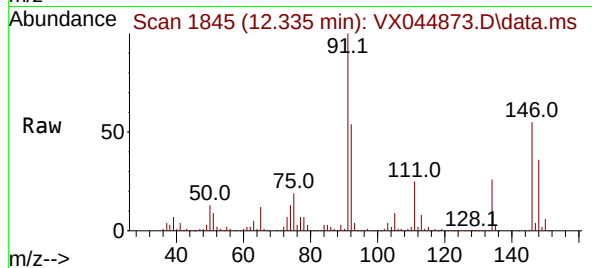
#91
1,2-Dichlorobenzene
Concen: 149.042 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion:146 Resp: 41716
Ion Ratio Lower Upper
146 100
111 44.9 21.8 65.4
148 64.1 31.9 95.9

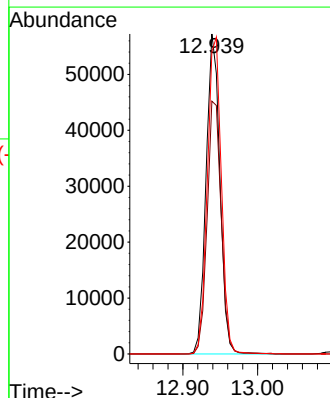
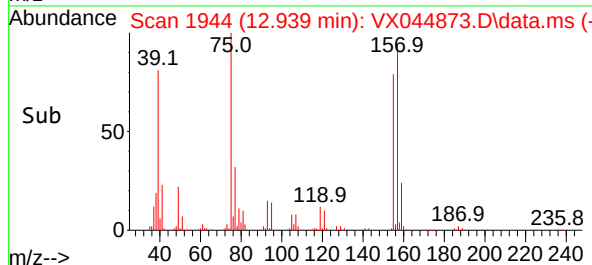
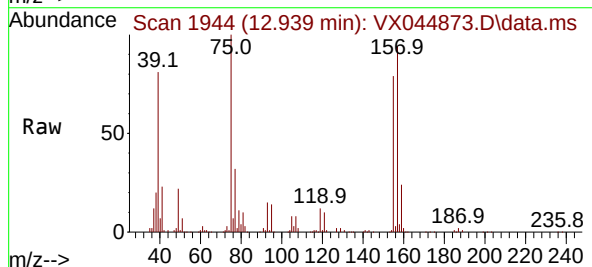
Manual Integrations
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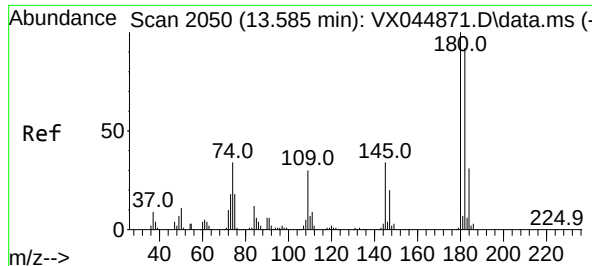
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 171.783 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 75 Resp: 73593
Ion Ratio Lower Upper
75 100
155 80.1 40.5 121.4
157 100.5 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 167.095 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion:180 Resp: 283004

Ion Ratio Lower Upper

180 100

182 93.2 47.6 142.8

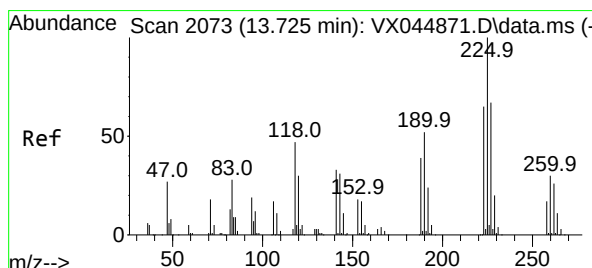
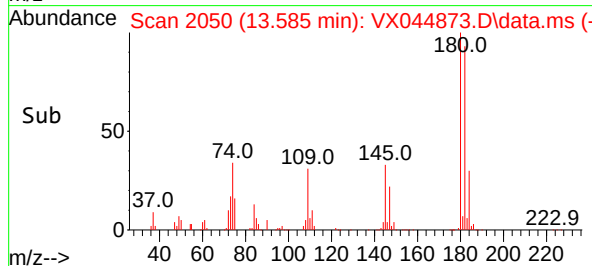
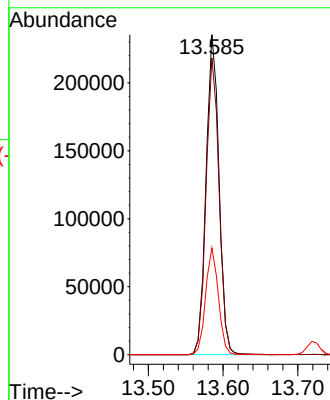
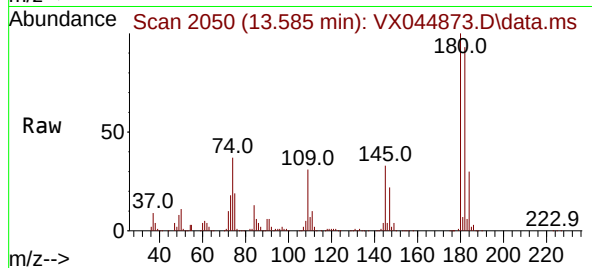
145 32.8 16.4 49.1

Manual Integrations

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Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#94

Hexachlorobutadiene

Concen: 155.682 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

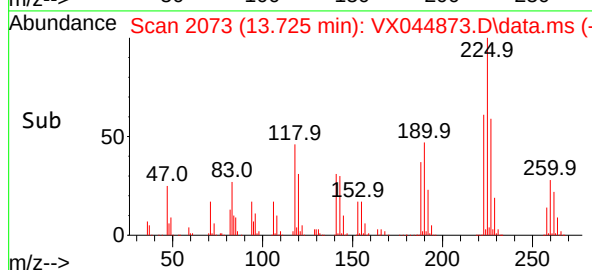
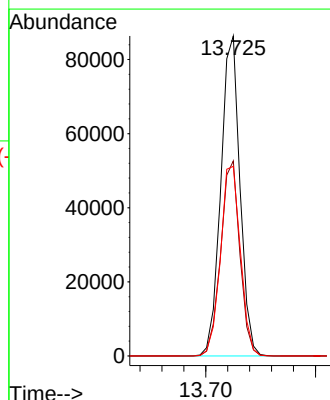
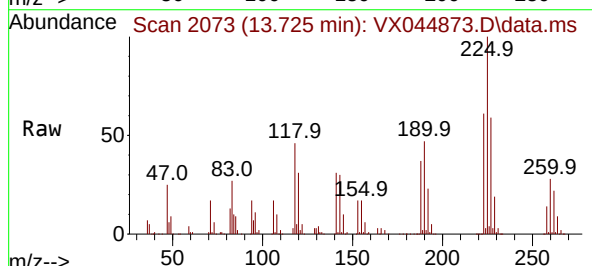
Tgt Ion:225 Resp: 104674

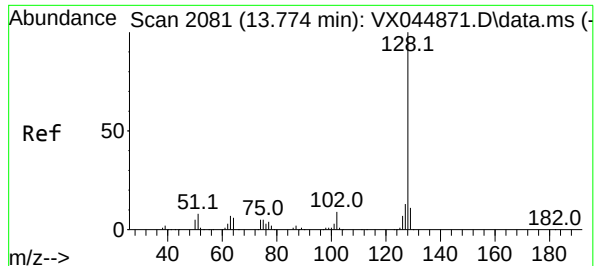
Ion Ratio Lower Upper

225 100

223 60.9 31.4 94.2

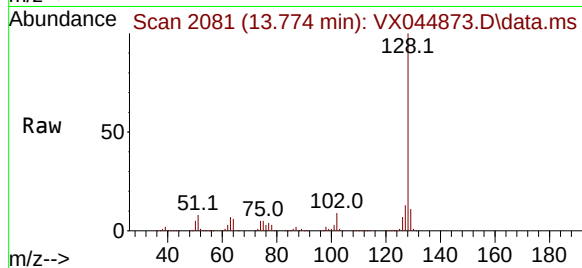
227 61.9 32.3 96.8





#95
Naphthalene
Concen: 165.916 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

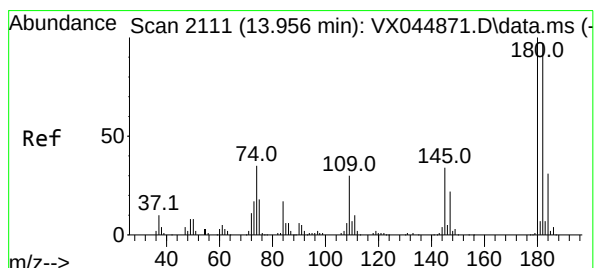
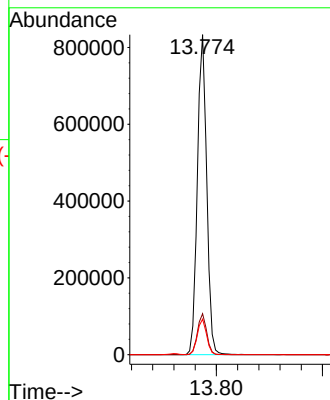
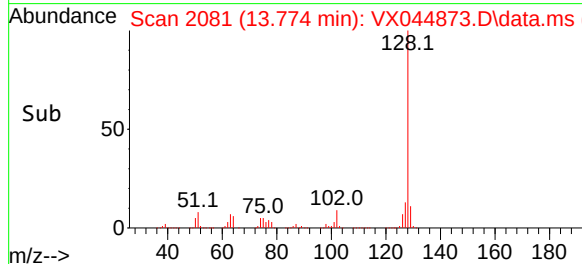
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



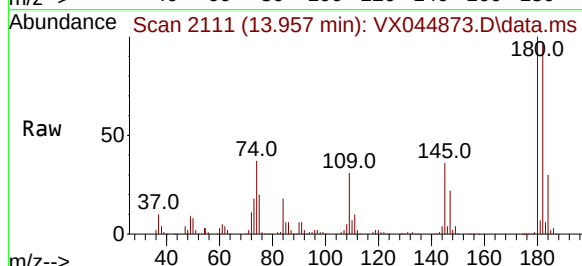
Tgt Ion:128 Resp: 101580
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 11.0 8.9 13.3

Manual Integrations
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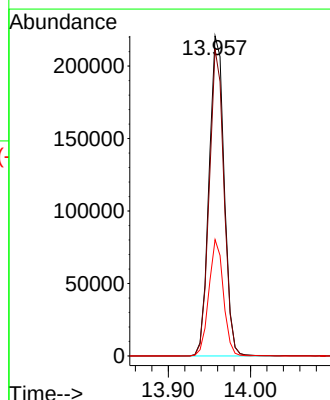
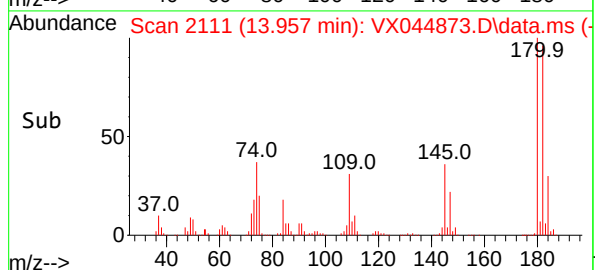
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#96
1,2,3-Trichlorobenzene
Concen: 165.408 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28



Tgt Ion:180 Resp: 282289
Ion Ratio Lower Upper
180 100
182 93.4 47.9 143.6
145 34.9 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044875.D
 Acq On : 10 Feb 2025 13:15
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021025

Quant Time: Feb 11 06:02:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	135936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	245098	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	213248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	97087	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	95635	48.061	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.120%
35) Dibromofluoromethane	5.379	113	78360	49.173	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.340%
50) Toluene-d8	8.647	98	299178	49.649	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.300%
62) 4-Bromofluorobenzene	11.079	95	105201	51.786	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.580%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	93752	49.173	ug/l	99
3) Chloromethane	1.300	50	110431	47.590	ug/l	98
4) Vinyl Chloride	1.374	62	105730	47.033	ug/l	100
5) Bromomethane	1.593	94	31428	46.719	ug/l	97
6) Chloroethane	1.660	64	37913	42.198	ug/l	99
7) Trichlorofluoromethane	1.867	101	138044	48.558	ug/l	97
8) Diethyl Ether	2.130	74	49018	47.544	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	86892	50.588	ug/l	98
10) Methyl Iodide	2.447	142	111488	50.082	ug/l	100
11) Tert butyl alcohol	2.983	59	92949	251.791	ug/l	100
12) 1,1-Dichloroethene	2.306	96	83987	47.935	ug/l	95
13) Acrolein	2.233	56	91744	240.879	ug/l	98
14) Allyl chloride	2.654	41	155084	48.976	ug/l	99
15) Acrylonitrile	3.062	53	247921	251.537	ug/l	99
16) Acetone	2.379	43	205743	257.198	ug/l	98
17) Carbon Disulfide	2.501	76	237694	49.472	ug/l	100
18) Methyl Acetate	2.703	43	126015	49.920	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	275685	49.453	ug/l	99
20) Methylene Chloride	2.782	84	94006	47.978	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	84720	49.129	ug/l	98
22) Diisopropyl ether	3.757	45	300357	50.138	ug/l	98
23) Vinyl Acetate	3.715	43	1257431	257.465	ug/l	100
24) 1,1-Dichloroethane	3.599	63	165351	49.329	ug/l	99
25) 2-Butanone	4.556	43	335358	258.175	ug/l	97
26) 2,2-Dichloropropane	4.464	77	133670	50.285	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	102518	49.493	ug/l	99
28) Bromochloromethane	4.891	49	72893	45.250	ug/l	99
29) Tetrahydrofuran	5.001	42	218496	253.318	ug/l	100
30) Chloroform	5.086	83	157312	48.393	ug/l	98
31) Cyclohexane	5.458	56	152073	49.211	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	134626	48.825	ug/l	100
36) 1,1-Dichloropropene	5.684	75	111968	48.702	ug/l	99
37) Ethyl Acetate	4.708	43	126071	49.300	ug/l	99
38) Carbon Tetrachloride	5.672	117	110581	49.083	ug/l	97
39) Methylcyclohexane	7.372	83	158289	53.254	ug/l	98
40) Benzene	6.031	78	358365	49.919	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044875.D
 Acq On : 10 Feb 2025 13:15
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021025

Quant Time: Feb 11 06:02:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025
 Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	73559	53.741	ug/l	99
42) 1,2-Dichloroethane	6.080	62	115339	50.410	ug/l	100
43) Isopropyl Acetate	6.336	43	213901	51.798	ug/l	100
44) Trichloroethene	7.116	130	81911	49.917	ug/l	99
45) 1,2-Dichloropropane	7.427	63	89992	50.387	ug/l	98
46) Dibromomethane	7.580	93	61360	49.540	ug/l	99
47) Bromodichloromethane	7.818	83	122265	50.980	ug/l	99
48) Methyl methacrylate	7.690	41	102900	52.848	ug/l	99
49) 1,4-Dioxane	7.659	88	42658	1021.138	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	665564	265.112	ug/l	100
52) Toluene	8.714	92	216682	50.680	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	130405	53.731	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	143379	52.986	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	83510	50.811	ug/l	100
56) Ethyl methacrylate	9.116	69	143524	54.068	ug/l	99
57) 1,3-Dichloropropane	9.305	76	146236	50.852	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	370622	284.352	ug/l	99
59) 2-Hexanone	9.427	43	488298	269.951	ug/l	99
60) Dibromochloromethane	9.518	129	90826	51.673	ug/l	99
61) 1,2-Dibromoethane	9.604	107	85683	51.436	ug/l	100
64) Tetrachloroethene	9.268	164	66468	49.424	ug/l	98
65) Chlorobenzene	10.079	112	233373	50.952	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	75488	51.205	ug/l	98
67) Ethyl Benzene	10.189	91	415575	51.415	ug/l	99
68) m/p-Xylenes	10.299	106	310925	104.282	ug/l	100
69) o-Xylene	10.640	106	151995	50.804	ug/l	100
70) Styrene	10.652	104	257972	53.521	ug/l	100
71) Bromoform	10.799	173	59409	53.997	ug/l #	100
73) Isopropylbenzene	10.957	105	390246	49.921	ug/l	100
74) N-amyl acetate	10.841	43	186145	52.621	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	129829	48.331	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	106893m	49.659	ug/l	
77) Bromobenzene	11.195	156	88129	49.725	ug/l	100
78) n-propylbenzene	11.299	91	463655	51.386	ug/l	99
79) 2-Chlorotoluene	11.360	91	272091	49.065	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	323251	50.956	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	44070	52.665	ug/l	99
82) 4-Chlorotoluene	11.451	91	312112	50.872	ug/l	100
83) tert-Butylbenzene	11.713	119	321772	50.139	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	323035	51.593	ug/l	100
85) sec-Butylbenzene	11.890	105	410197	51.617	ug/l	100
86) p-Isopropyltoluene	12.006	119	336027	52.581	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	164508	50.475	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	163203	49.526	ug/l	100
89) n-Butylbenzene	12.329	91	311764	55.142	ug/l	100
90) Hexachloroethane	12.536	117	61016	50.990	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	161590	50.447	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	25339	51.684	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	102197	52.726	ug/l	99
94) Hexachlorobutadiene	13.719	225	38998	50.683	ug/l	98
95) Naphthalene	13.774	128	371576	53.033	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	100730	51.575	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044875.D
 Acq On : 10 Feb 2025 13:15
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021025

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025

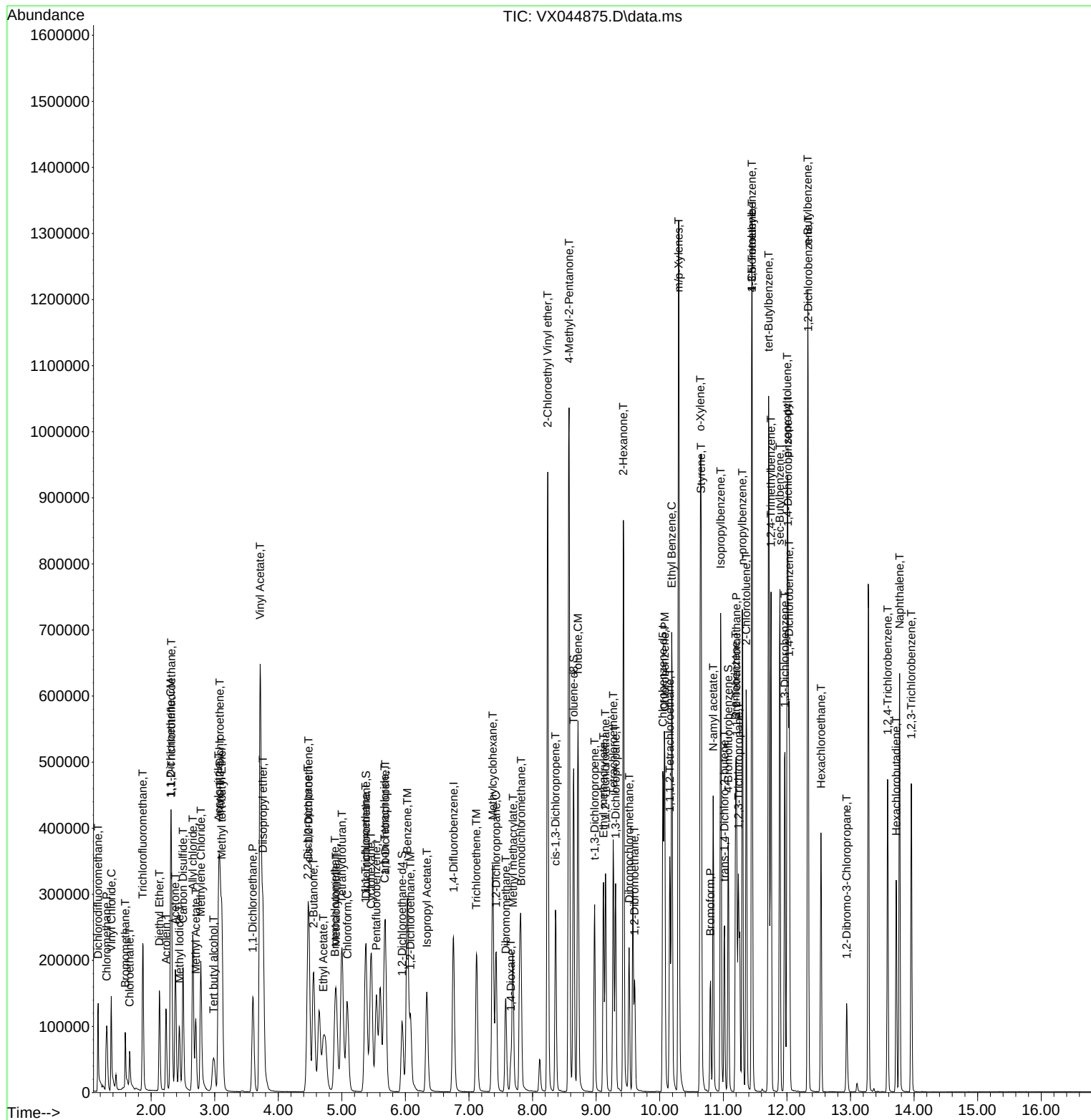
Quant Time: Feb 11 06:02:06 2025

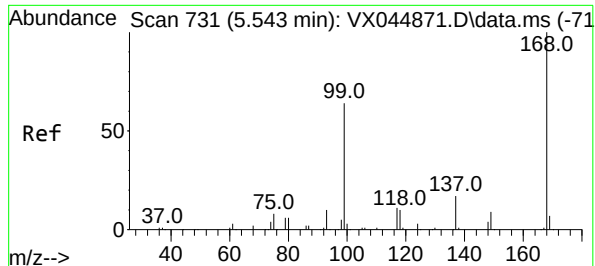
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Quant Title : SW846 8260

QLast Update : Tue Feb 11 03:41:08 2025

Response via : Initial Calibration



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 71

Delta R.T. 0.001 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion:168 Resp: 135936

Ion Ratio Lower Upper

168 100

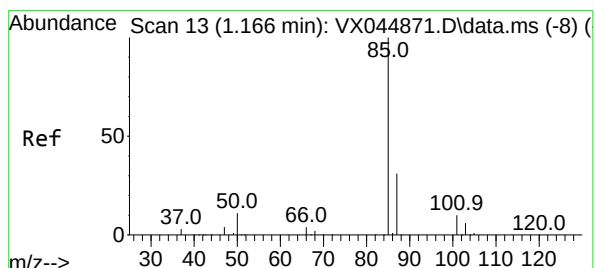
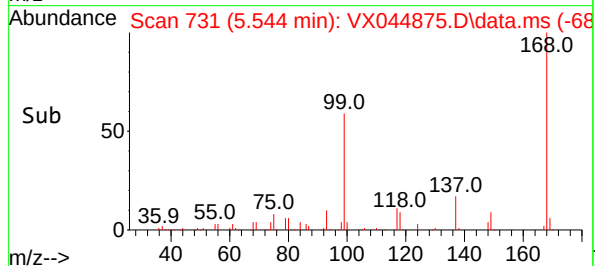
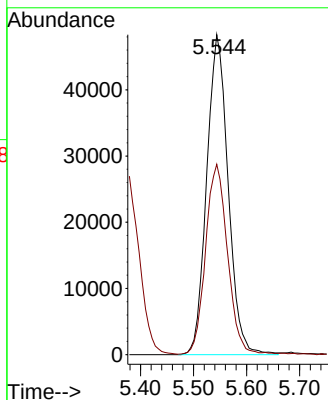
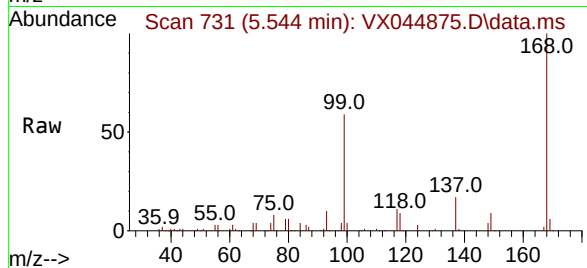
99 59.3 51.2 76.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#2

Dichlorodifluoromethane

Concen: 49.173 ug/l

RT: 1.166 min Scan# 13

Delta R.T. 0.000 min

Lab File: VX044875.D

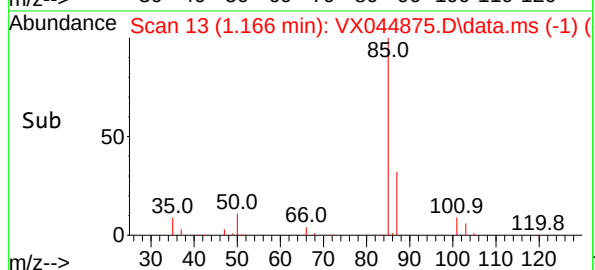
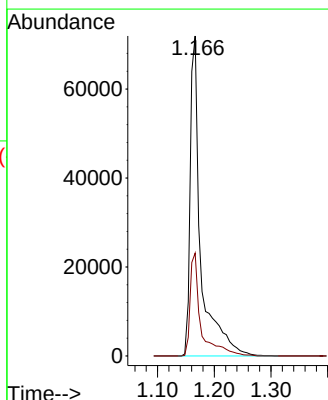
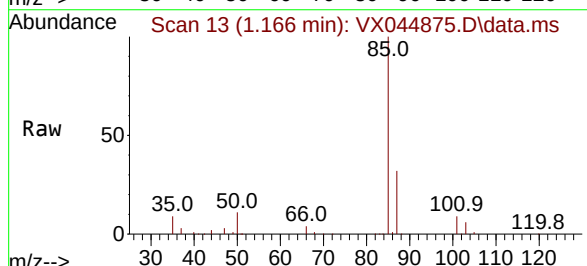
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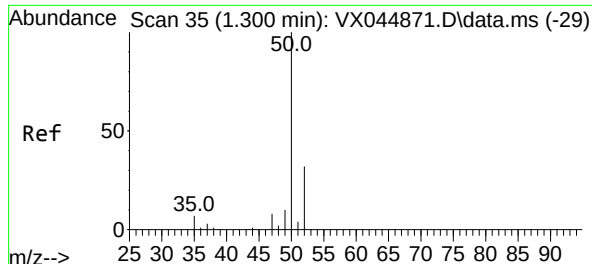
Tgt Ion: 85 Resp: 93752

Ion Ratio Lower Upper

85 100

87 32.1 15.8 47.3





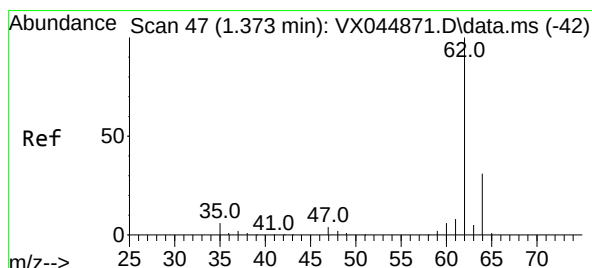
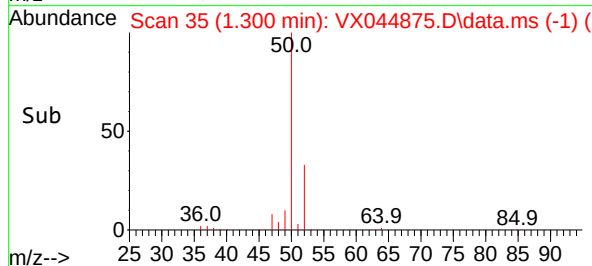
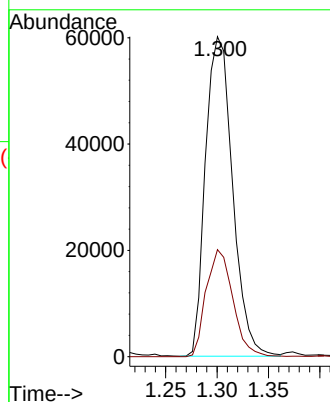
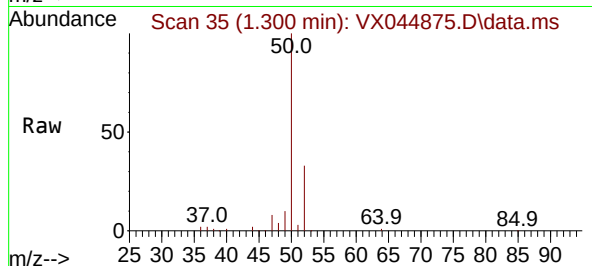
#3
Chloromethane
Concen: 47.590 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 50 Resp: 11043
Ion Ratio Lower Upper
50 100
52 33.5 25.9 38.9

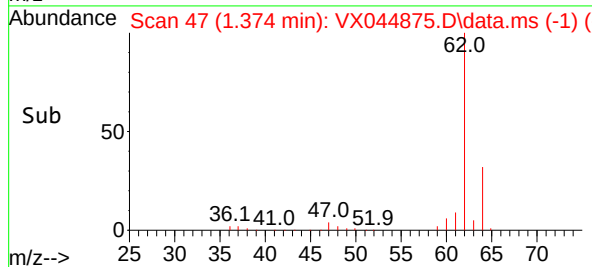
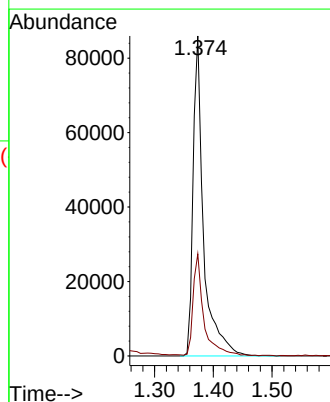
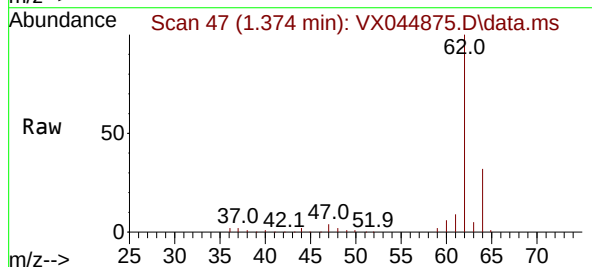
Manual Integrations
APPROVED

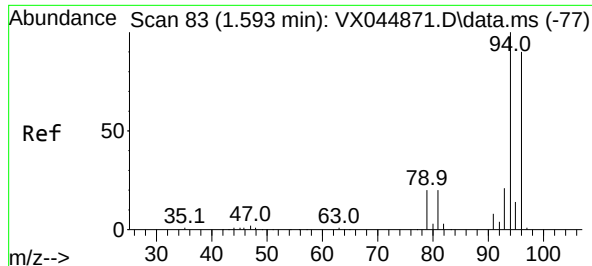
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#4
Vinyl Chloride
Concen: 47.033 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 62 Resp: 105730
Ion Ratio Lower Upper
62 100
64 31.7 25.4 38.0





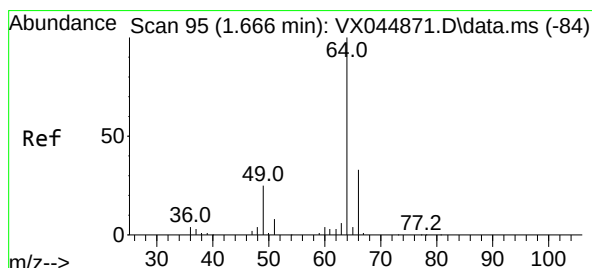
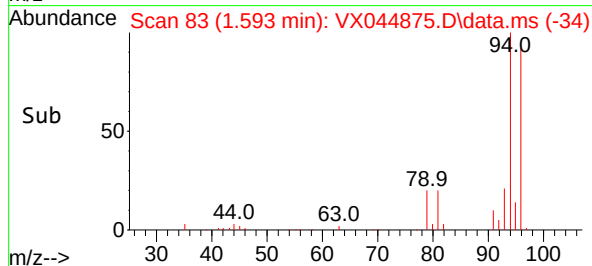
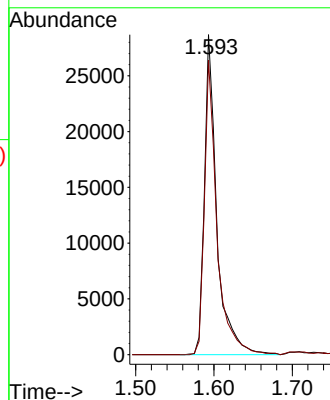
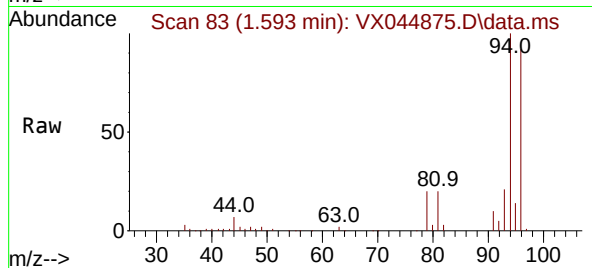
#5
Bromomethane
Concen: 46.719 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 94 Resp: 31428
Ion Ratio Lower Upper
94 100
96 92.0 71.6 107.4

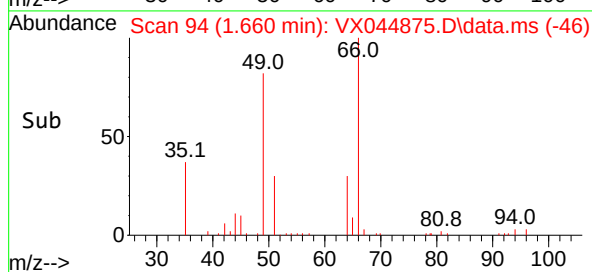
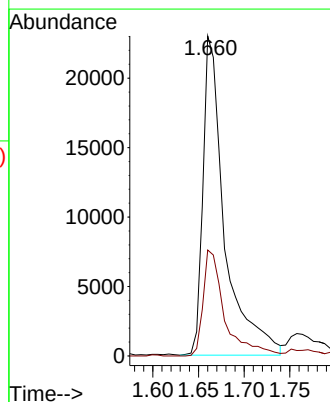
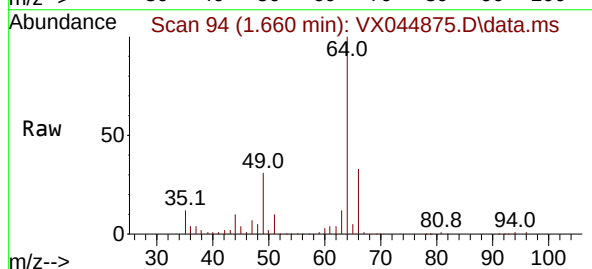
Manual Integrations
APPROVED

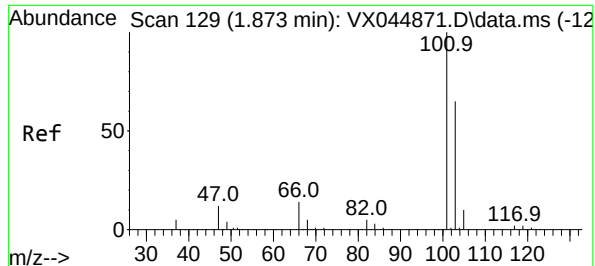
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#6
Chloroethane
Concen: 42.198 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 64 Resp: 37913
Ion Ratio Lower Upper
64 100
66 33.2 25.9 38.9





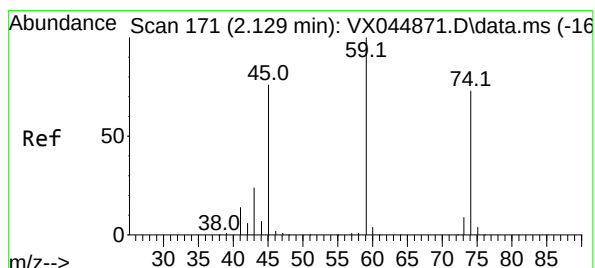
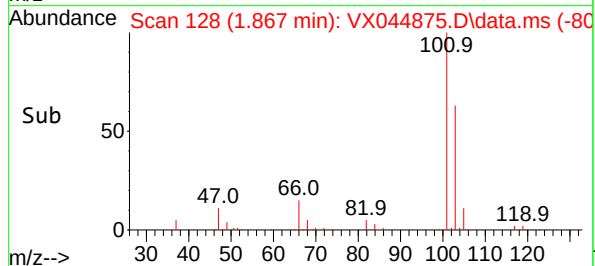
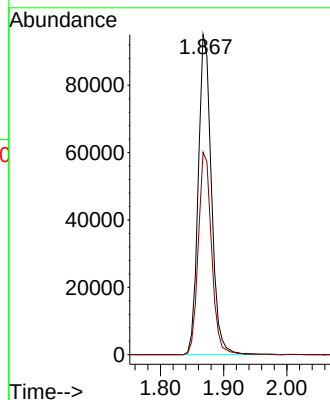
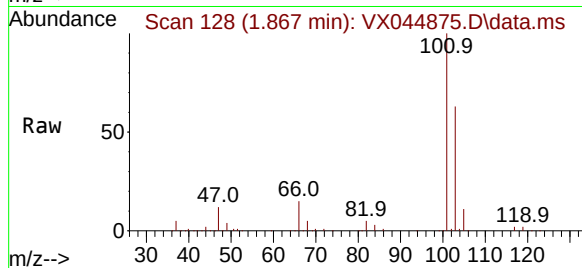
#7
Trichlorofluoromethane
Concen: 48.558 ug/l
RT: 1.867 min Scan# 129
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:101 Resp: 13804
Ion Ratio Lower Upper
101 100
103 63.3 52.4 78.6

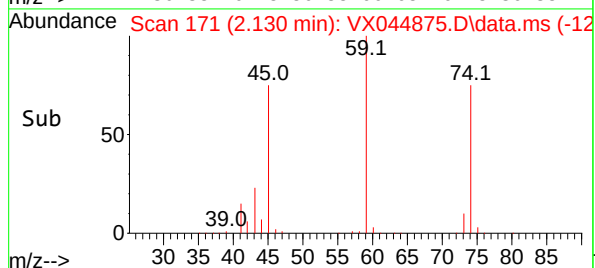
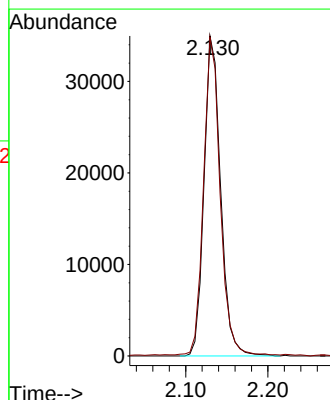
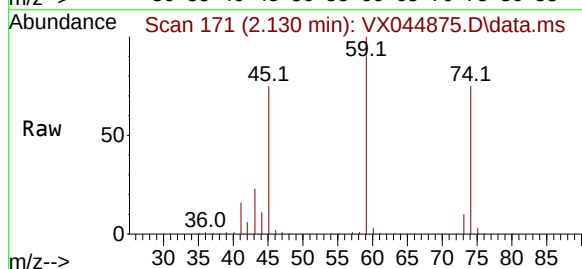
Manual Integrations
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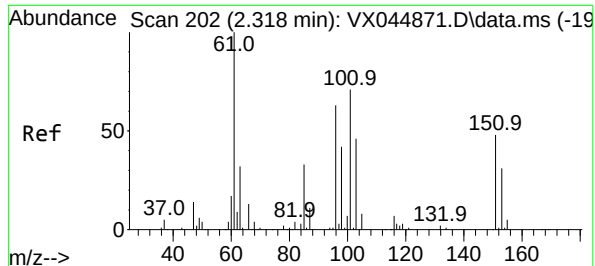
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#8
Diethyl Ether
Concen: 47.544 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 74 Resp: 49018
Ion Ratio Lower Upper
74 100
45 98.9 51.1 153.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.588 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

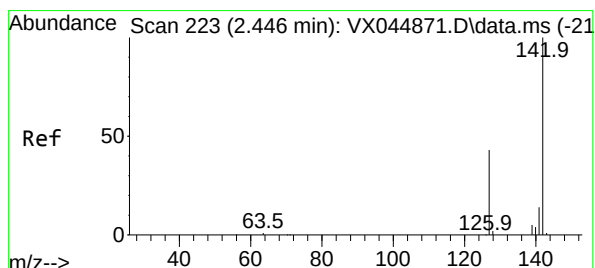
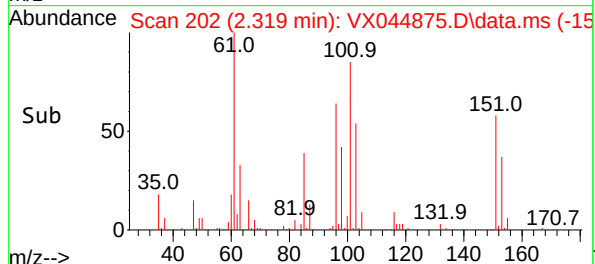
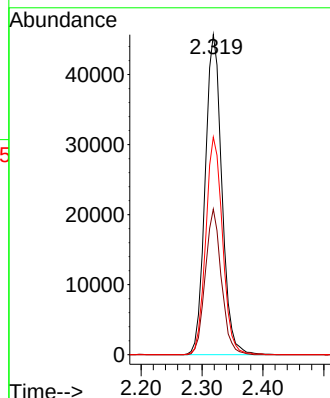
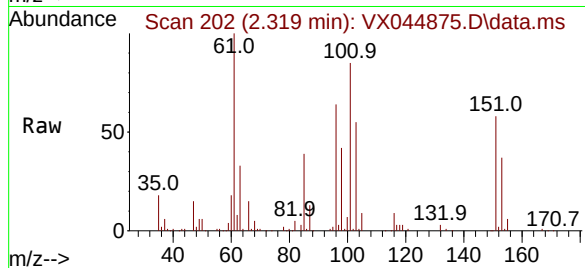
Tgt Ion:101	Resp:	8689
Ion Ratio	Lower	Upper
101	100	
85	43.9	35.7 53.5
151	68.4	56.0 84.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#10

Methyl Iodide

Concen: 50.082 ug/l

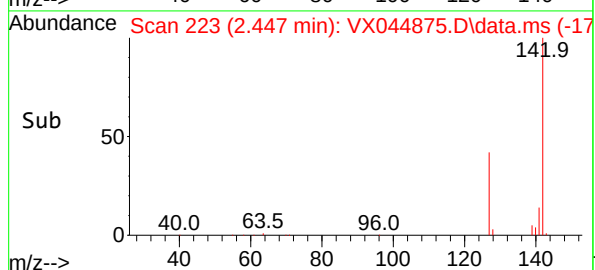
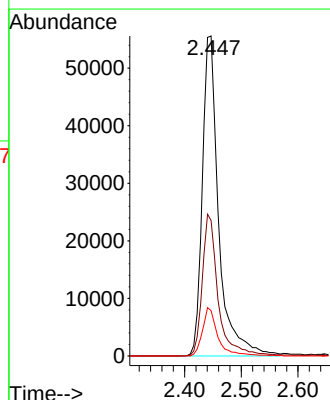
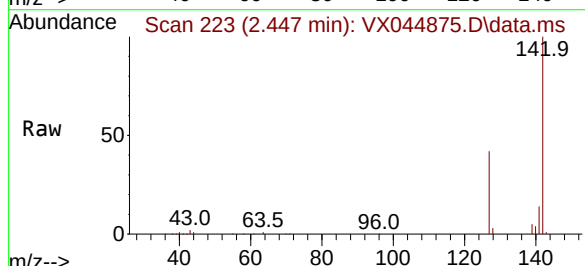
RT: 2.447 min Scan# 223

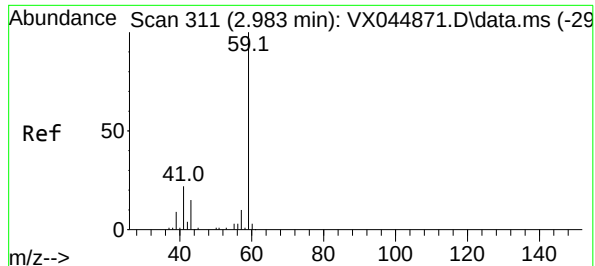
Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Tgt Ion:142	Resp:	111488
Ion Ratio	Lower	Upper
142	100	
127	43.1	34.3 51.5
141	14.3	11.4 17.2





#11

Tert butyl alcohol

Concen: 251.791 ug/l

RT: 2.983 min Scan# 311

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 59 Resp: 92949

Ion Ratio Lower Upper

59 100

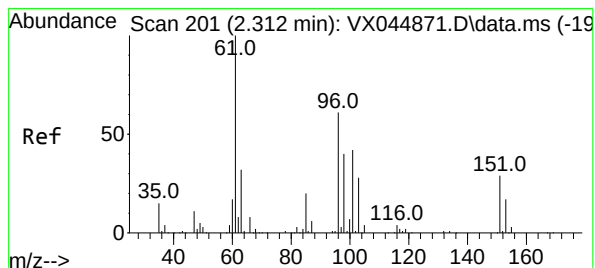
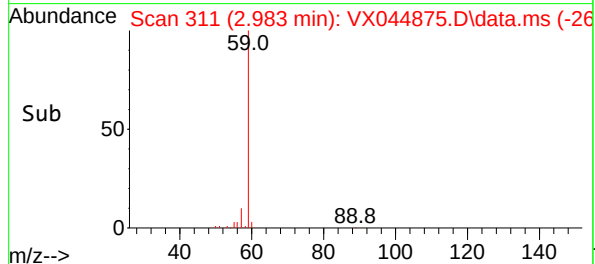
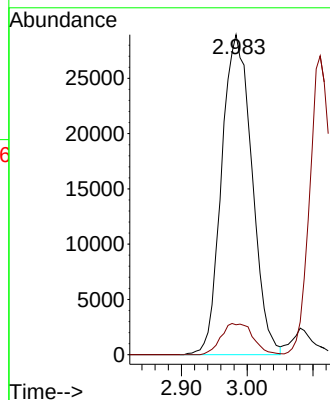
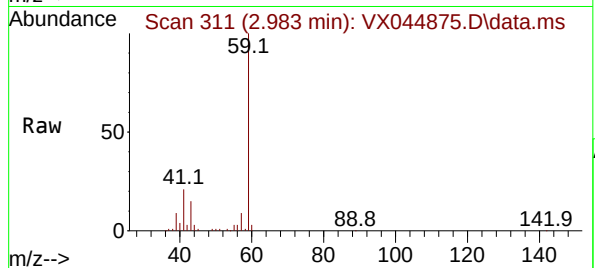
57 10.3 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#12

1,1-Dichloroethene

Concen: 47.935 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.006 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

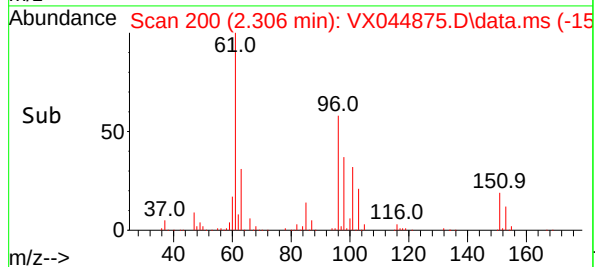
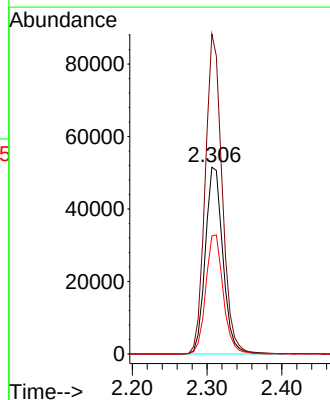
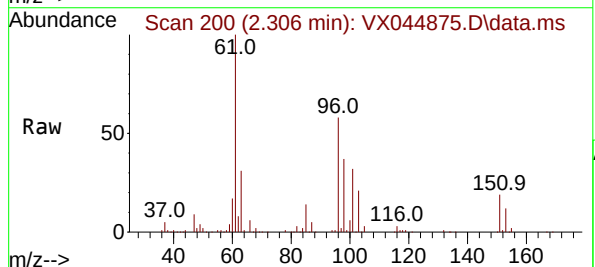
Tgt Ion: 96 Resp: 83987

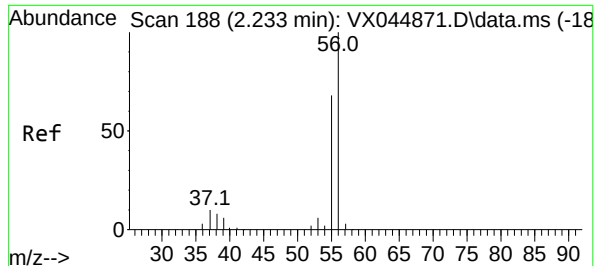
Ion Ratio Lower Upper

96 100

61 171.4 130.2 195.4

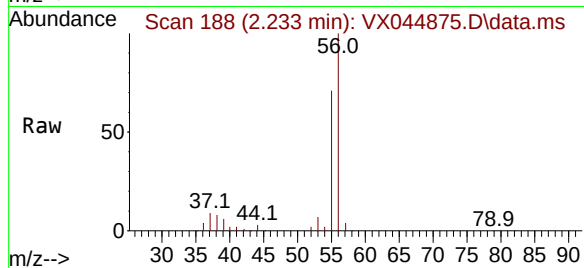
98 63.3 52.2 78.4





#13
Acrolein
Concen: 240.879 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

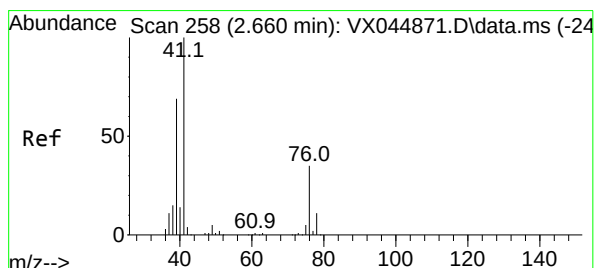
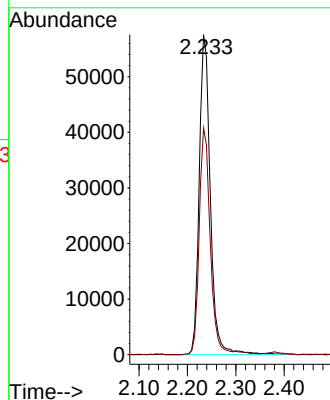
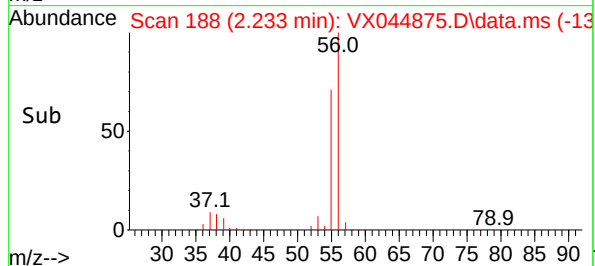
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025



Tgt Ion: 56 Resp: 91744
Ion Ratio Lower Upper
56 100
55 71.0 55.7 83.5

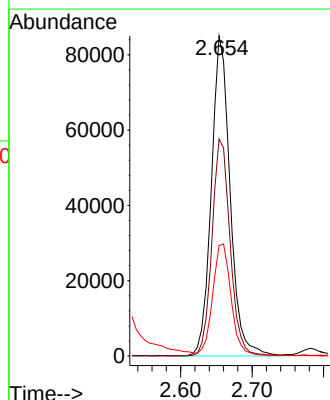
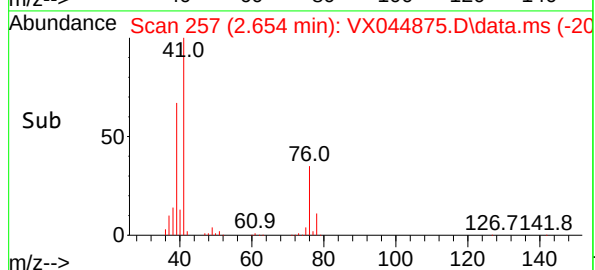
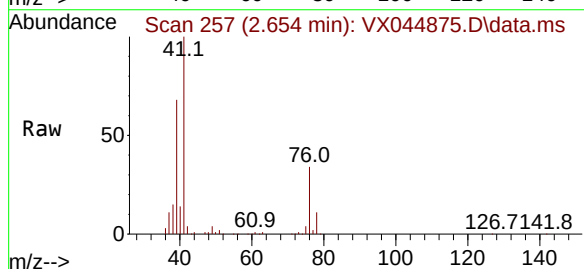
Manual Integrations
APPROVED

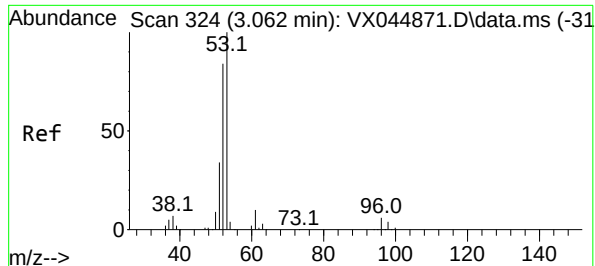
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#14
Allyl chloride
Concen: 48.976 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 41 Resp: 155084
Ion Ratio Lower Upper
41 100
39 65.4 51.4 77.2
76 34.2 27.0 40.4





#15

Acrylonitrile

Concen: 251.537 ug/l

RT: 3.062 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

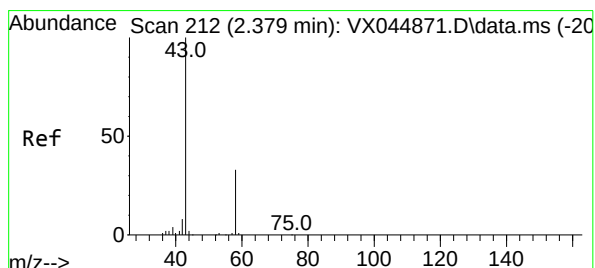
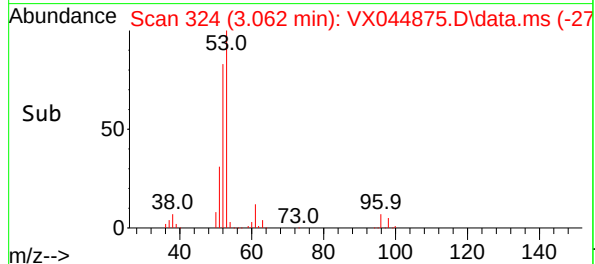
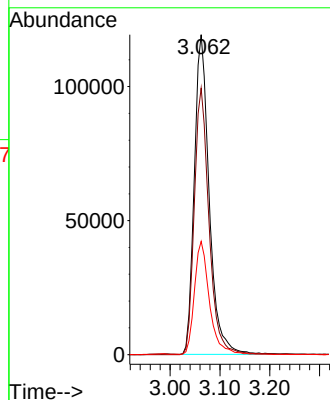
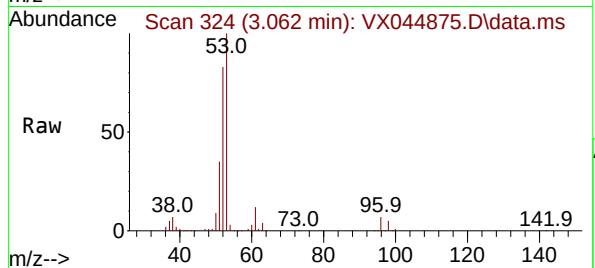
ICVVX021025

Tgt Ion:	53	Resp:	24792
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.0	97.6
51	35.7	28.0	42.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#16

Acetone

Concen: 257.198 ug/l

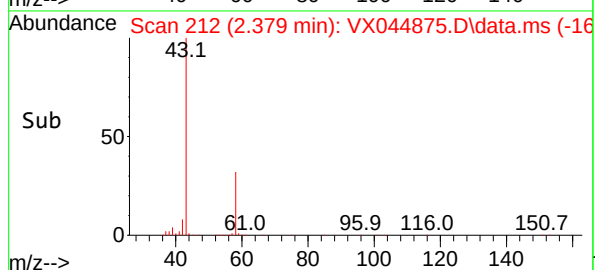
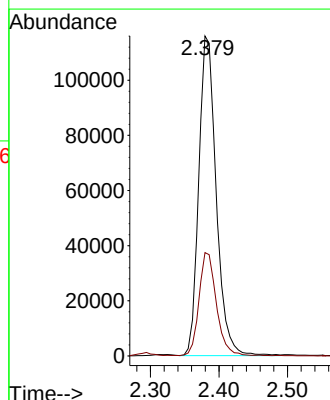
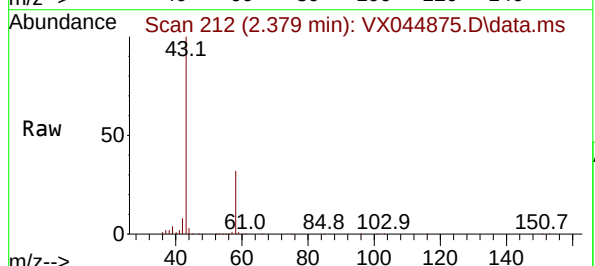
RT: 2.379 min Scan# 212

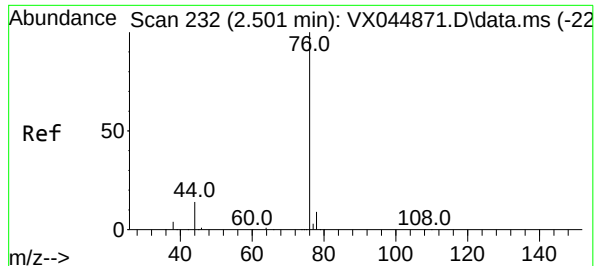
Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Tgt Ion:	43	Resp:	205743
Ion	Ratio	Lower	Upper
43	100		
58	32.2	26.5	39.7





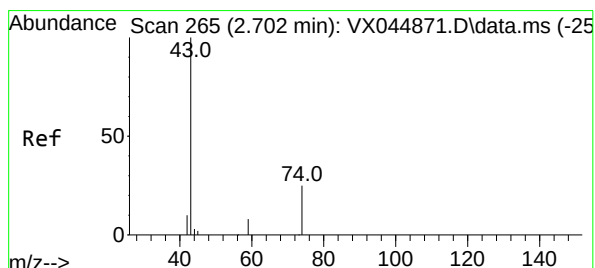
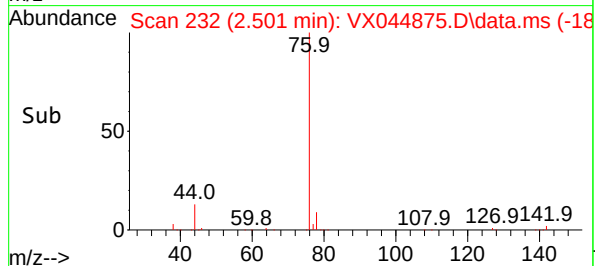
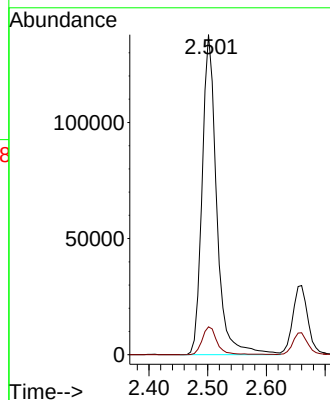
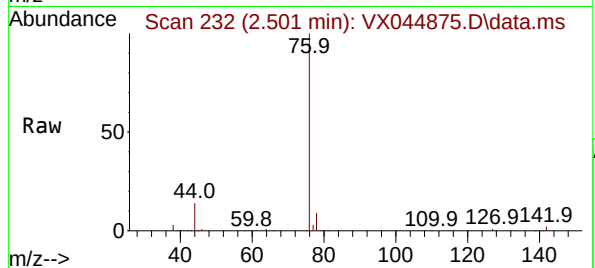
#17
Carbon Disulfide
Concen: 49.472 ug/l
RT: 2.501 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 76 Resp: 237694
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4

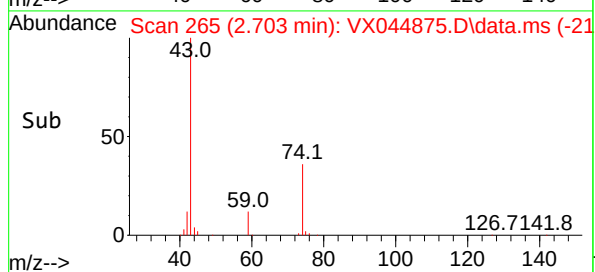
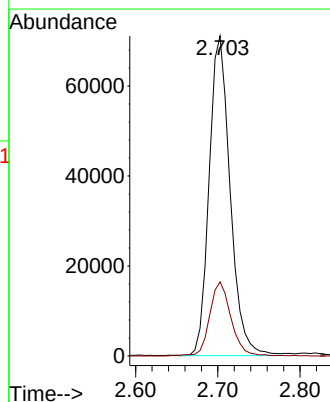
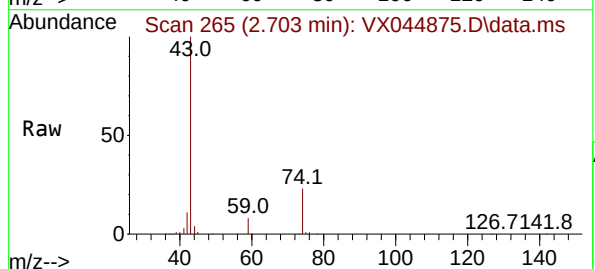
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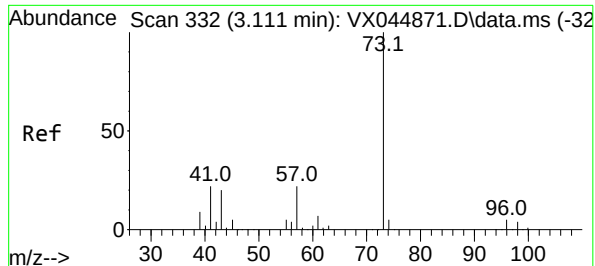
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#18
Methyl Acetate
Concen: 49.920 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 126015
Ion Ratio Lower Upper
43 100
74 23.7 18.9 28.3





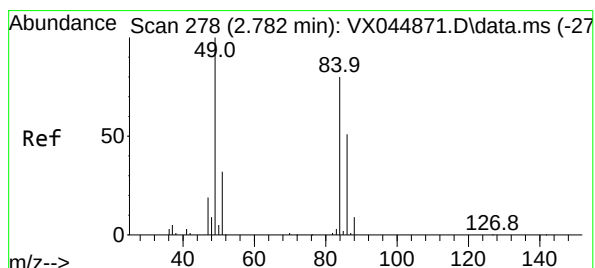
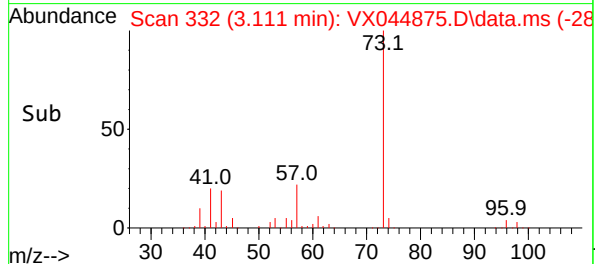
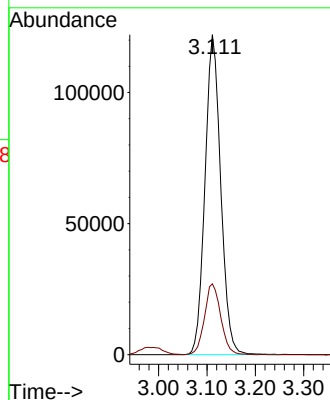
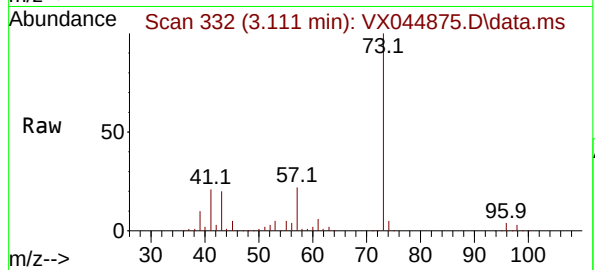
#19
Methyl tert-butyl Ether
Concen: 49.453 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 73 Resp: 27568
Ion Ratio Lower Upper
73 100
57 22.2 17.9 26.9

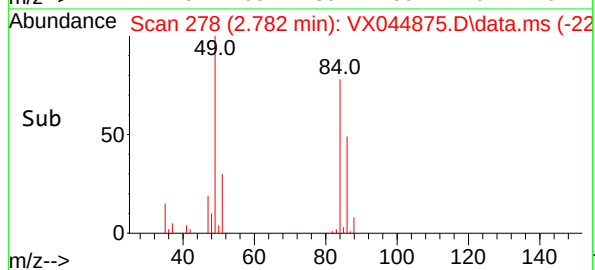
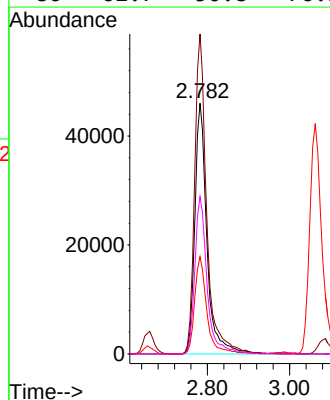
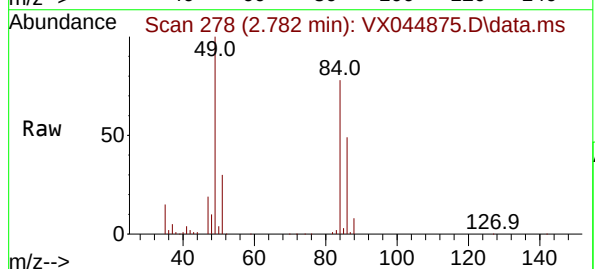
Manual Integrations
APPROVED

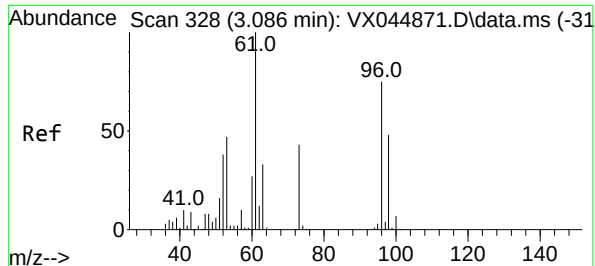
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#20
Methylene Chloride
Concen: 47.978 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

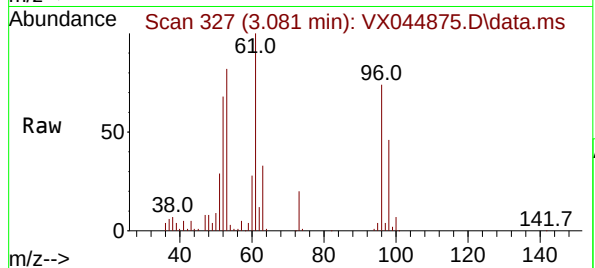
Tgt Ion: 84 Resp: 94006
Ion Ratio Lower Upper
84 100
49 127.6 100.1 150.1
51 38.8 31.7 47.5
86 62.7 50.8 76.2





#21
trans-1,2-Dichloroethene
Concen: 49.129 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

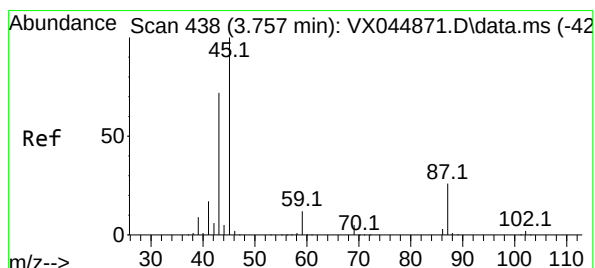
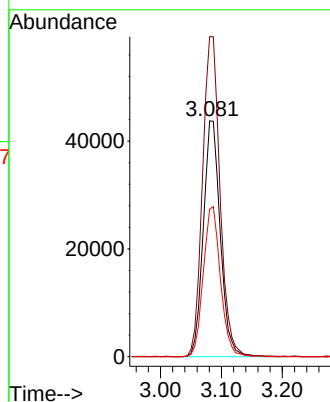
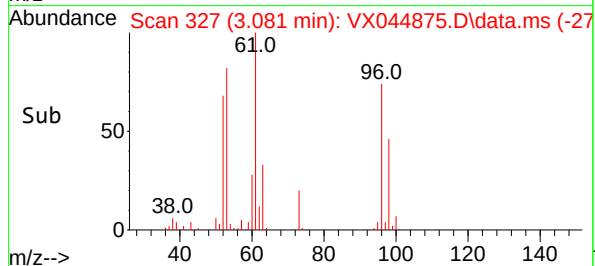
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025



Tgt Ion: 96 Resp: 84720
Ion Ratio Lower Upper
96 100
61 135.7 106.0 159.0
98 62.5 50.6 76.0

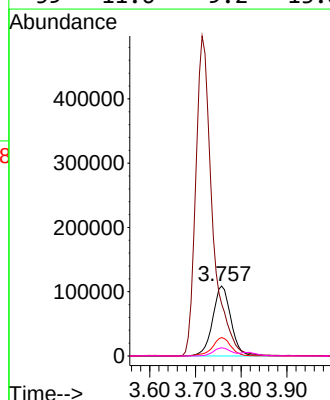
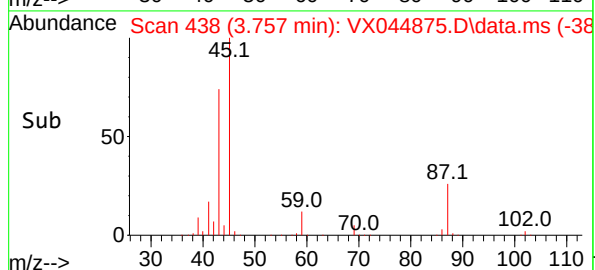
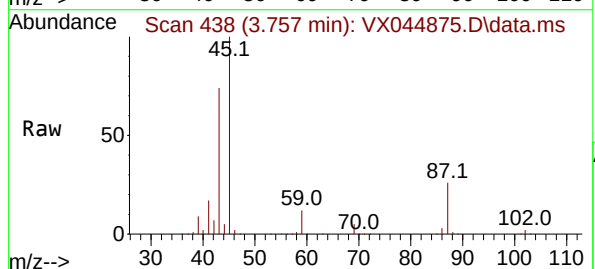
Manual Integrations
APPROVED

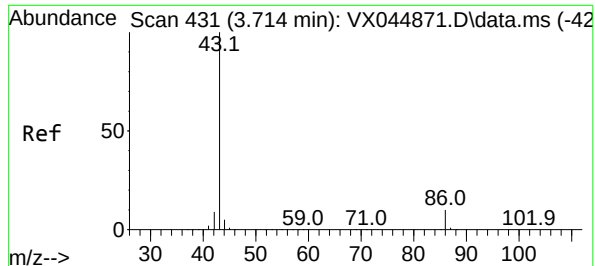
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#22
Diisopropyl ether
Concen: 50.138 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 45 Resp: 300357
Ion Ratio Lower Upper
45 100
43 74.3 58.0 87.0
87 26.4 20.7 31.1
59 11.6 9.2 13.8





#23

Vinyl Acetate

Concen: 257.465 ug/l

RT: 3.715 min Scan# 411

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021025

Tgt Ion: 43 Resp: 125743

Ion Ratio Lower Upper

43 100

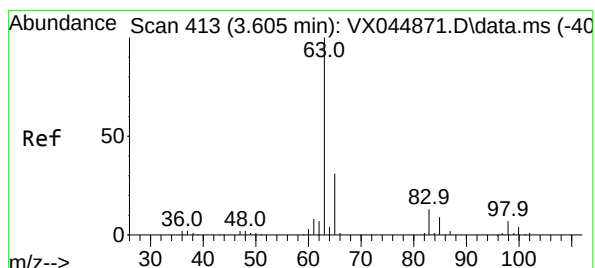
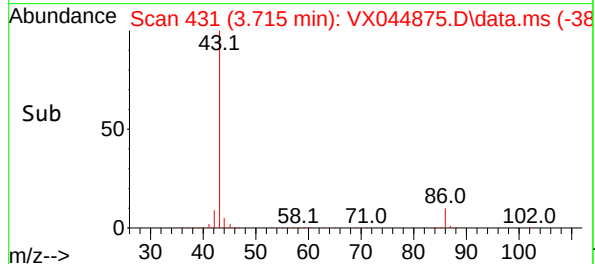
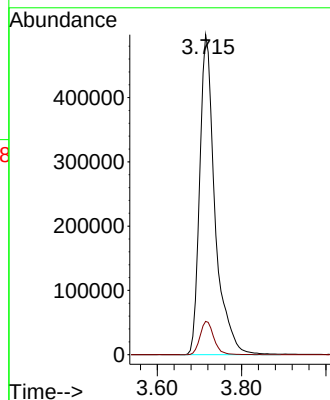
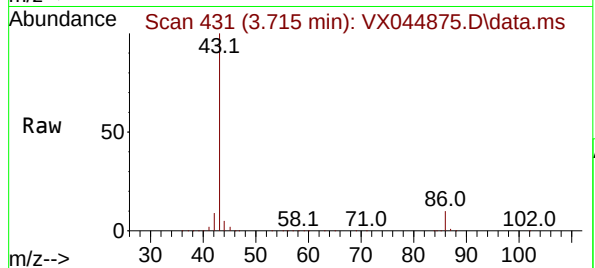
86 10.4 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#24

1,1-Dichloroethane

Concen: 49.329 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.006 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

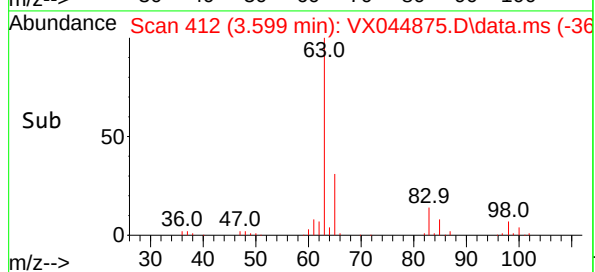
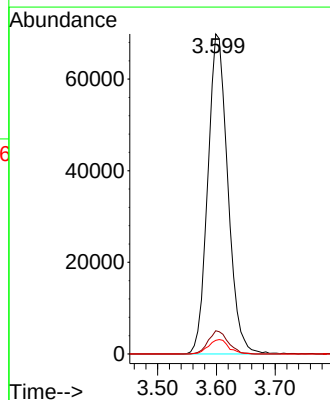
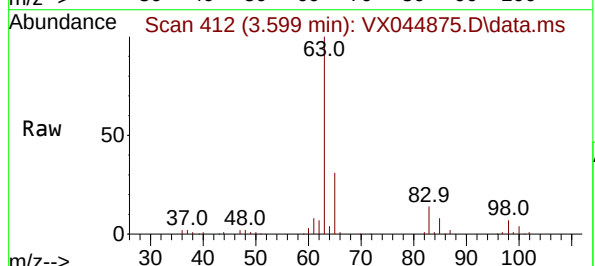
Tgt Ion: 63 Resp: 165351

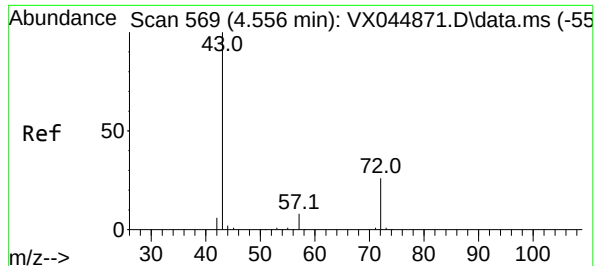
Ion Ratio Lower Upper

63 100

98 7.3 3.3 9.9

100 4.2 2.1 6.5





#25

2-Butanone

Concen: 258.175 ug/l

RT: 4.556 min Scan# 50

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 43 Resp: 335358

Ion Ratio Lower Upper

43 100

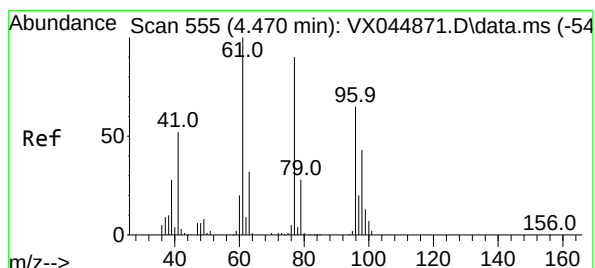
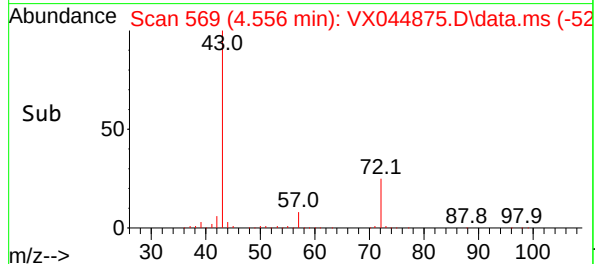
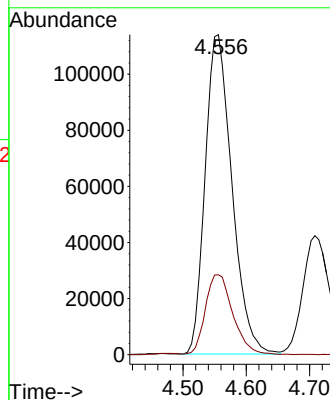
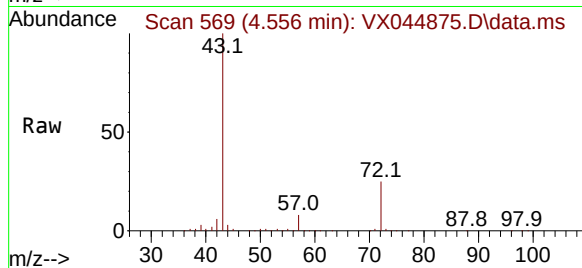
72 24.9 21.2 31.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#26

2,2-Dichloropropane

Concen: 50.285 ug/l

RT: 4.464 min Scan# 554

Delta R.T. -0.006 min

Lab File: VX044875.D

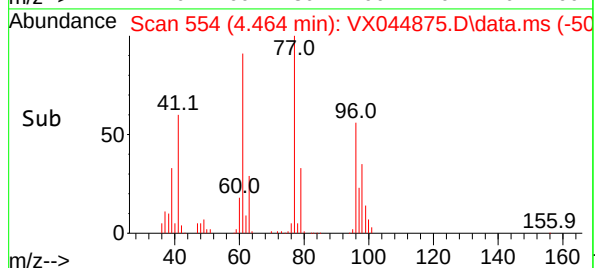
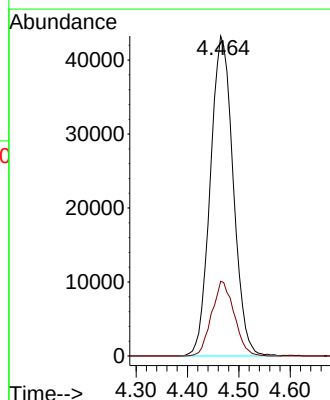
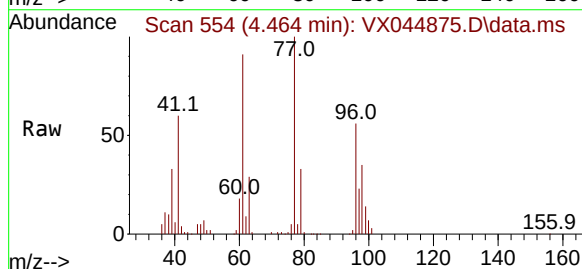
Acq: 10 Feb 2025 13:15

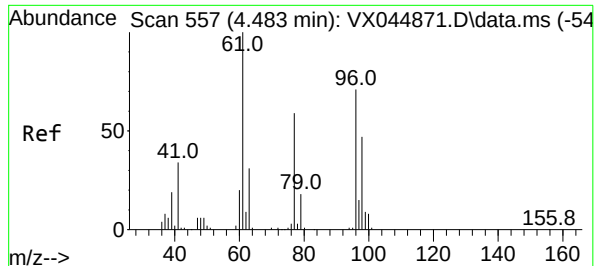
Tgt Ion: 77 Resp: 133670

Ion Ratio Lower Upper

77 100

97 23.0 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 49.493 ug/l

RT: 4.477 min Scan# 556

Delta R.T. -0.006 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 96 Resp: 102518

Ion Ratio Lower Upper

96 100

61 146.5 0.0 294.0

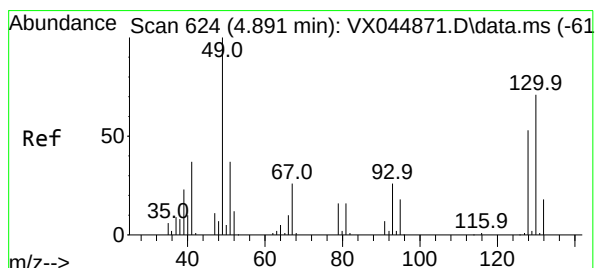
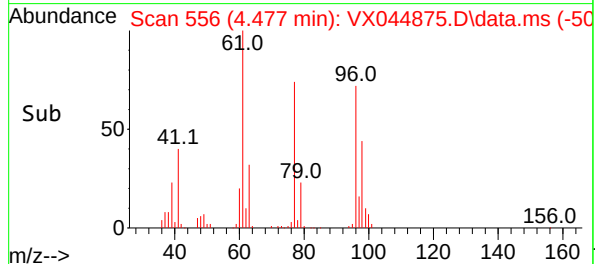
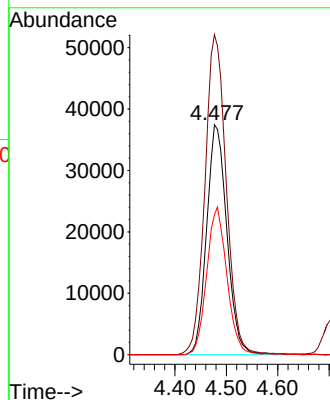
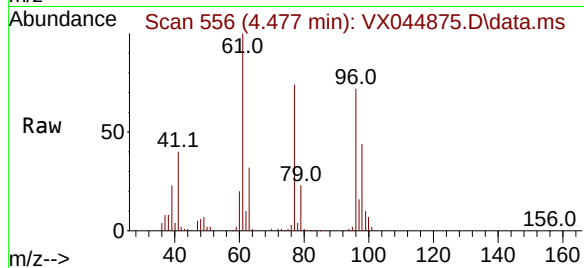
98 63.9 0.0 131.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#28

Bromochloromethane

Concen: 45.250 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

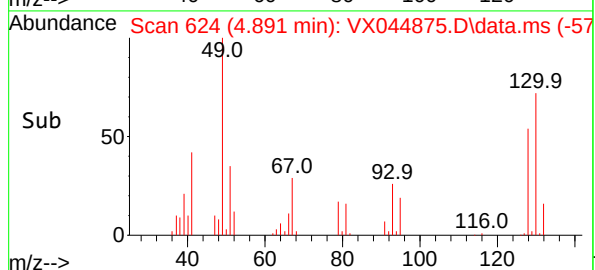
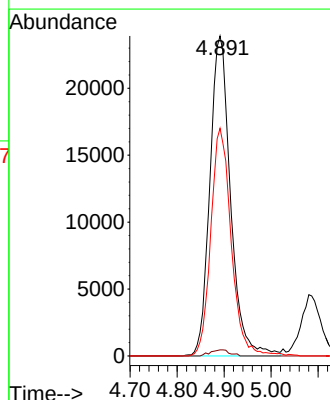
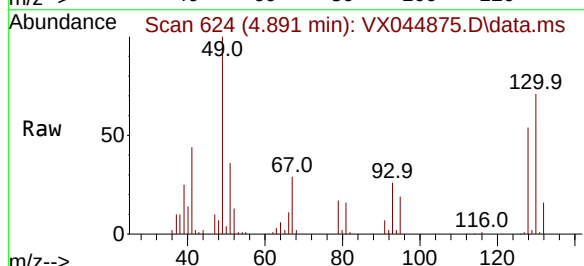
Tgt Ion: 49 Resp: 72893

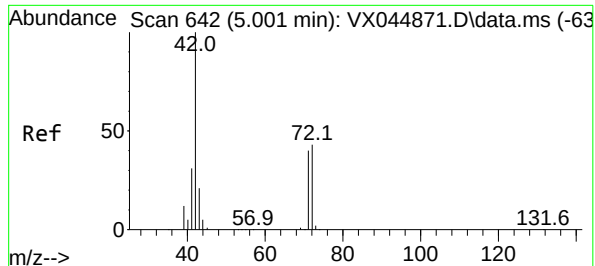
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 70.3 56.7 85.1





#29

Tetrahydrofuran

Concen: 253.318 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 42 Resp: 218490

Ion Ratio Lower Upper

42 100

72 43.6 35.0 52.4

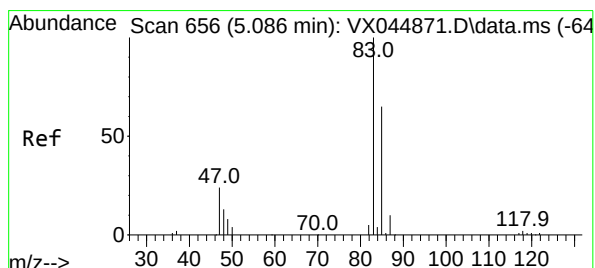
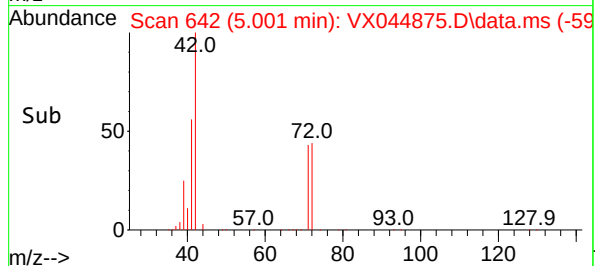
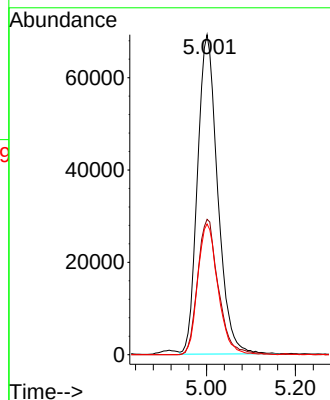
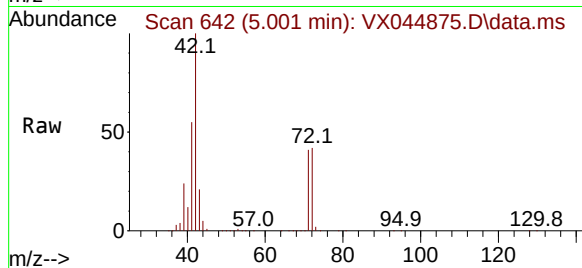
71 41.1 32.6 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#30

Chloroform

Concen: 48.393 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044875.D

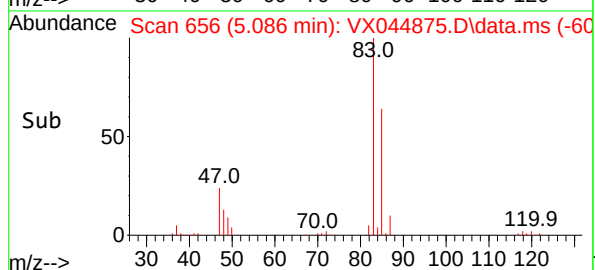
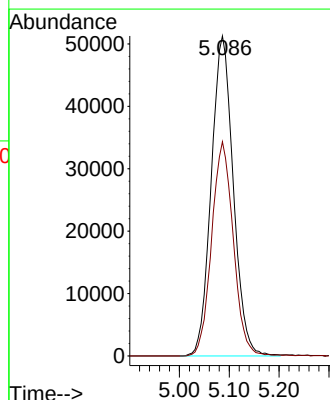
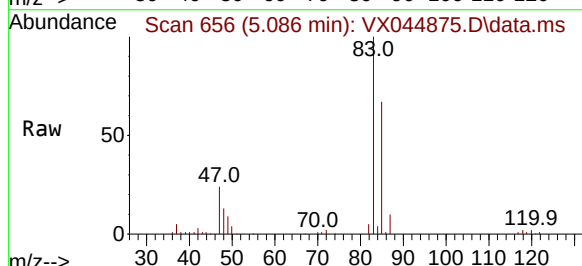
Acq: 10 Feb 2025 13:15

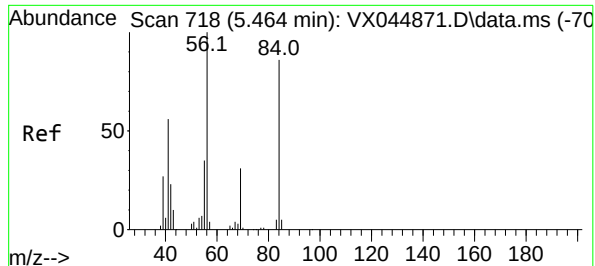
Tgt Ion: 83 Resp: 157312

Ion Ratio Lower Upper

83 100

85 66.9 52.1 78.1





#31

Cyclohexane

Concen: 49.211 ug/l

RT: 5.458 min Scan# 718

Delta R.T. -0.006 min

Lab File: VX044875.D

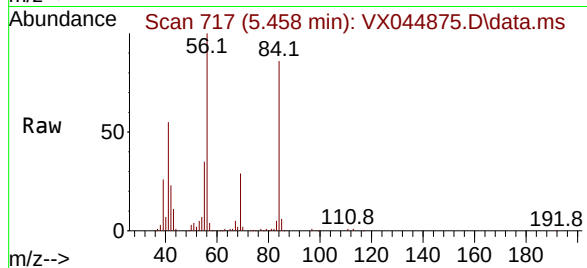
Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025



Tgt Ion: 56 Resp: 15207

Ion Ratio Lower Upper

56 100

69 29.4 24.4 36.6

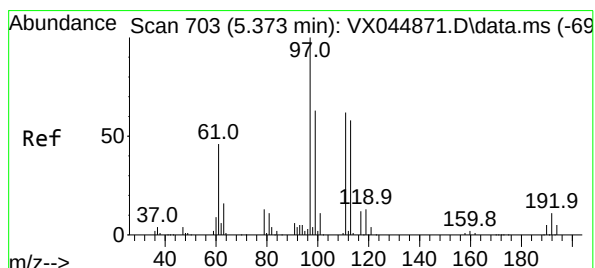
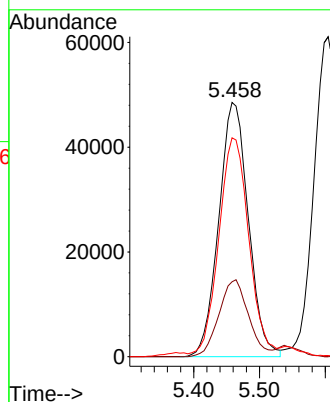
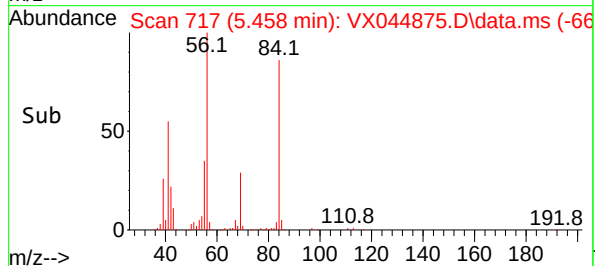
84 84.6 69.0 103.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#32

1,1,1-Trichloroethane

Concen: 48.825 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

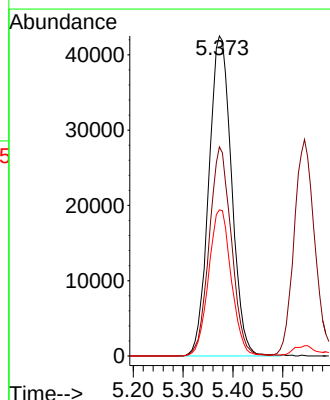
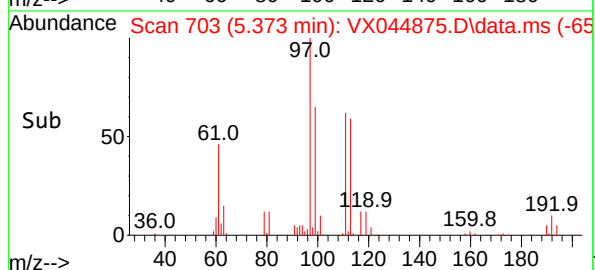
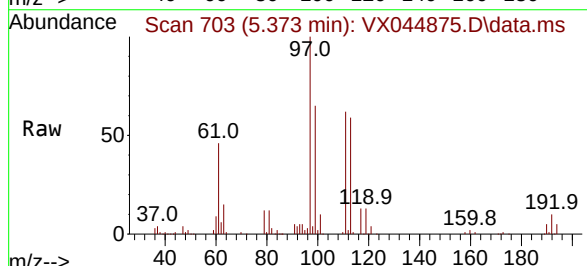
Tgt Ion: 97 Resp: 134626

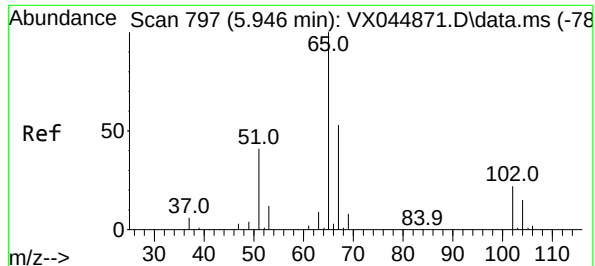
Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.6

61 45.7 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 48.061 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

Client Sample Id :

ICVX021025

Tgt Ion: 65 Resp: 9563

Ion Ratio Lower Upper

65 100

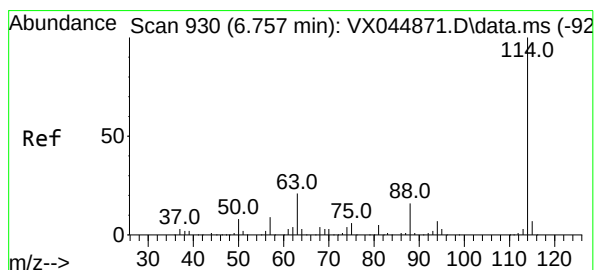
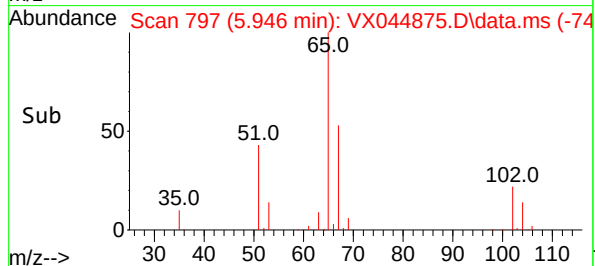
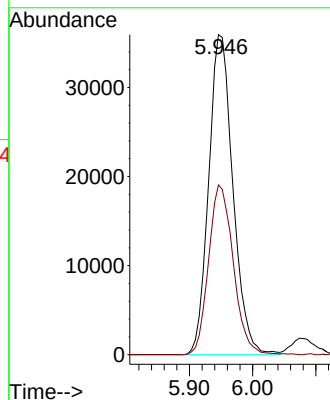
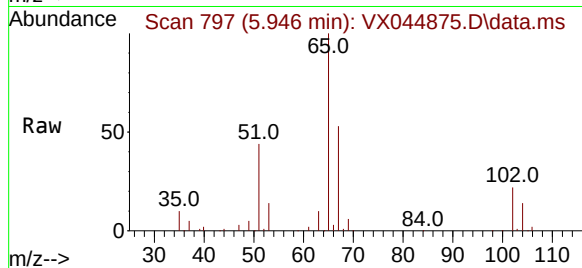
67 54.0 0.0 108.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

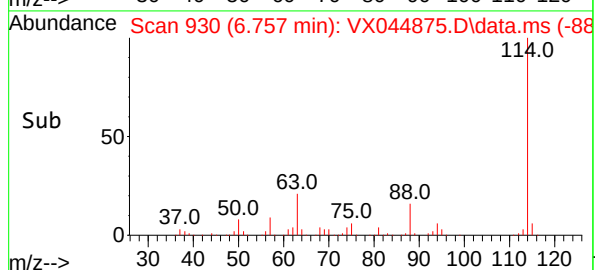
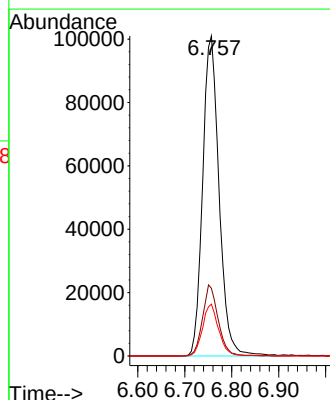
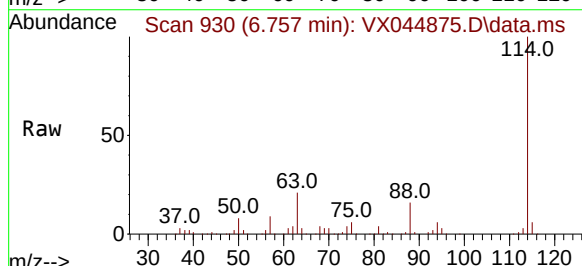
Tgt Ion:114 Resp: 245098

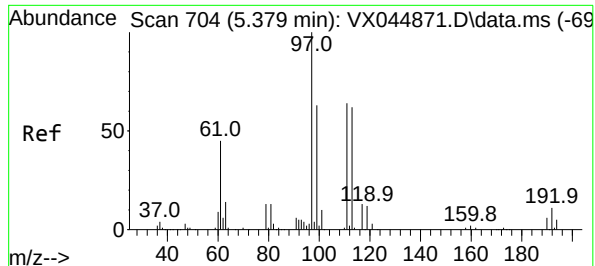
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.4

88 16.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.173 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

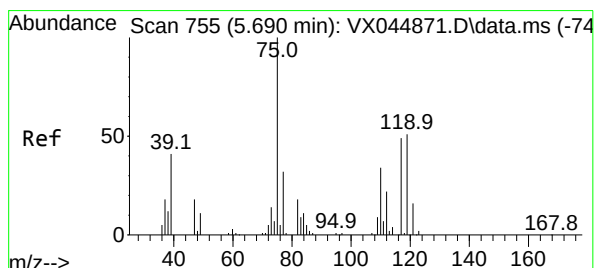
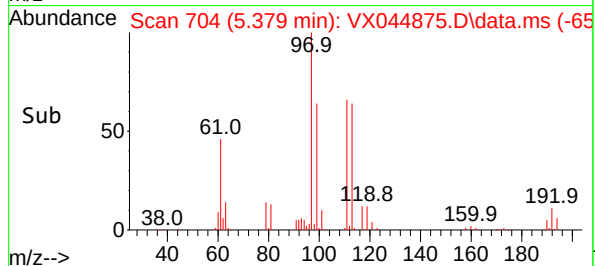
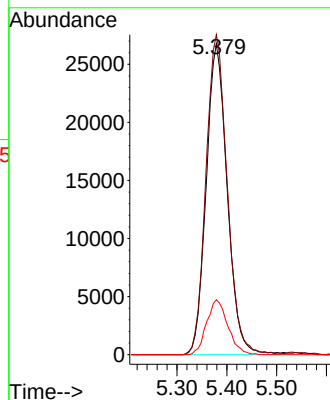
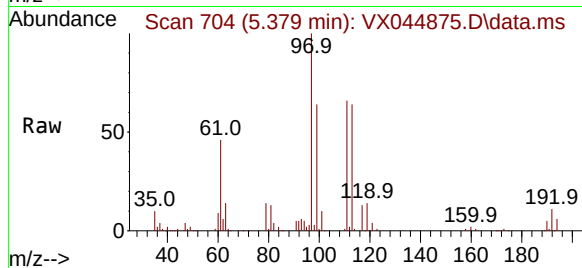
ICVX021025

Tgt Ion:	113	Resp:	78360
Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.5	125.3
192	17.9	14.4	21.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#36

1,1-Dichloropropene

Concen: 48.702 ug/l

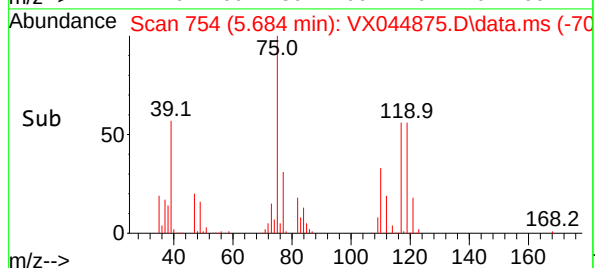
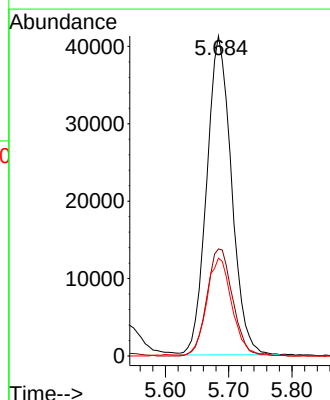
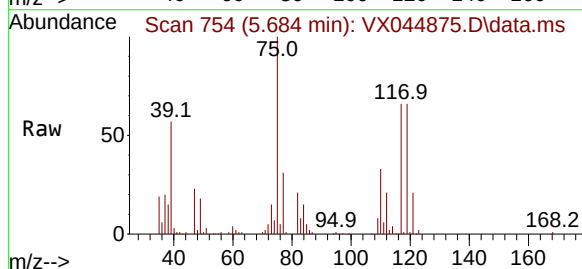
RT: 5.684 min Scan# 754

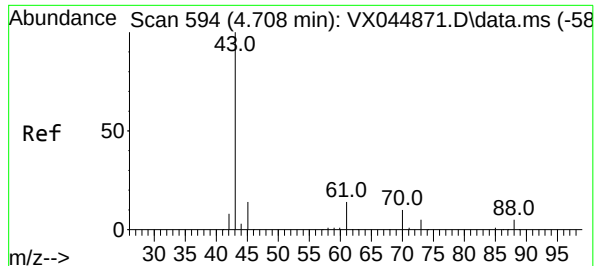
Delta R.T. -0.006 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Tgt Ion:	75	Resp:	111968
Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.2	51.6
77	31.6	24.6	37.0





#37

Ethyl Acetate

Concen: 49.300 ug/l

RT: 4.708 min Scan# 594

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

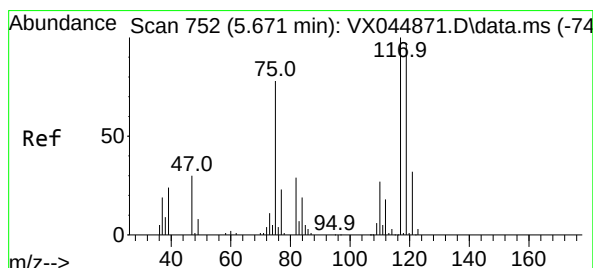
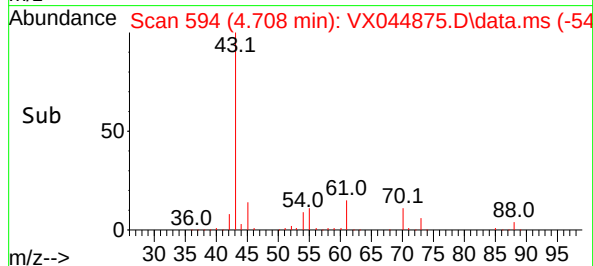
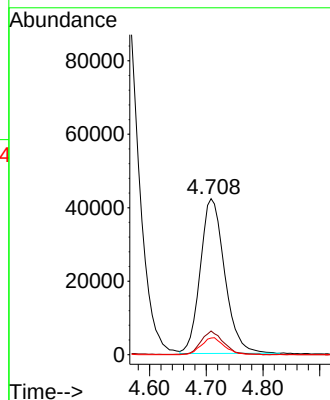
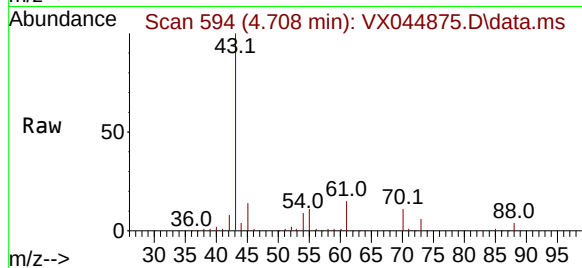
ICVVX021025

Tgt Ion:	43	Resp:	12607
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.4
70	10.4	8.2	12.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#38

Carbon Tetrachloride

Concen: 49.083 ug/l

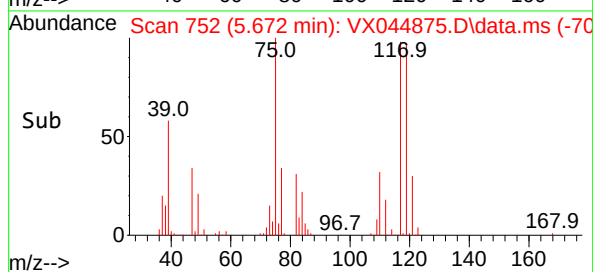
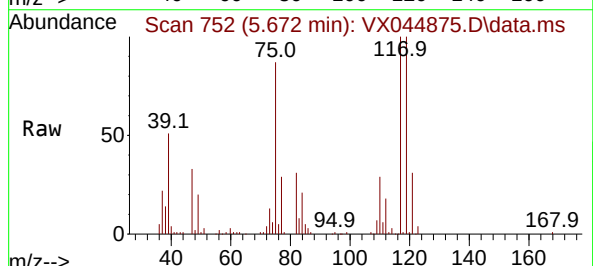
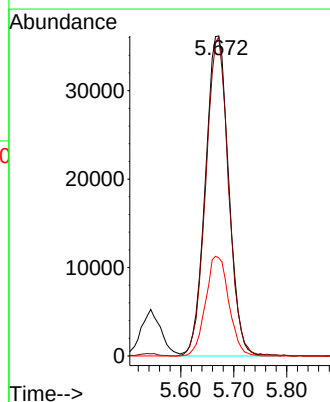
RT: 5.672 min Scan# 752

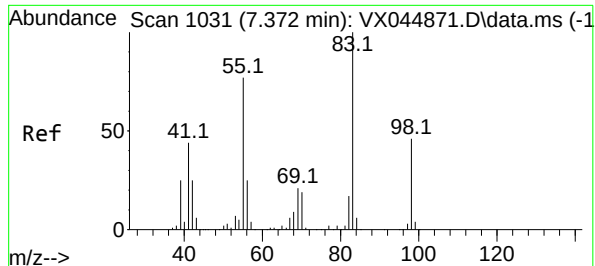
Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Tgt Ion:	117	Resp:	110581
Ion	Ratio	Lower	Upper
117	100		
119	99.5	77.5	116.3
121	30.6	25.6	38.4





#39

Methylcyclohexane

Concen: 53.254 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 83 Resp: 158289

Ion Ratio Lower Upper

83 100

55 76.8 61.3 91.9

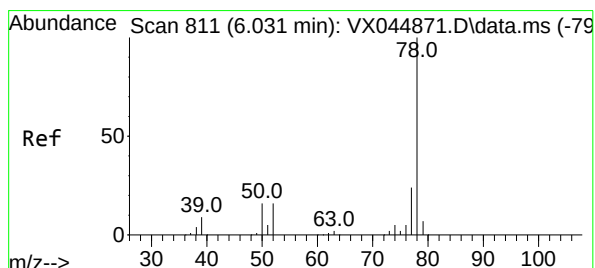
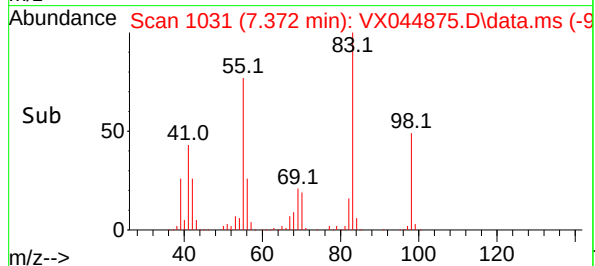
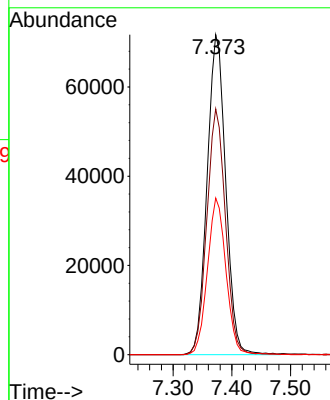
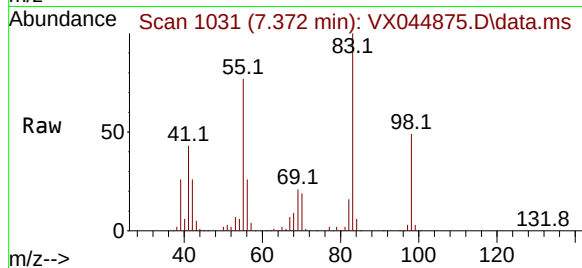
98 49.0 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#40

Benzene

Concen: 49.919 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044875.D

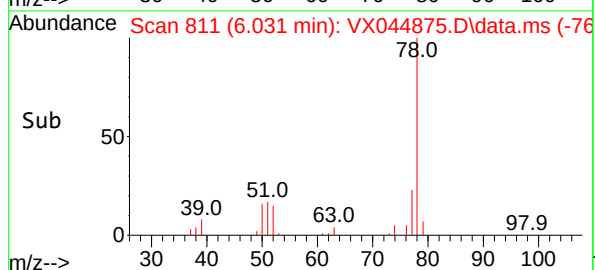
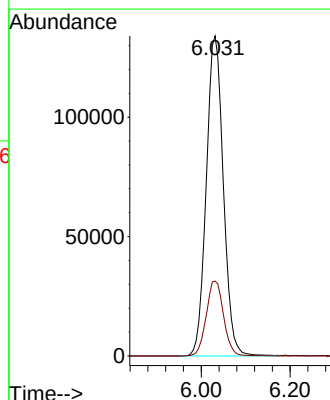
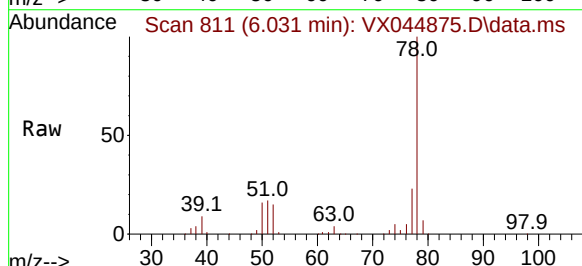
Acq: 10 Feb 2025 13:15

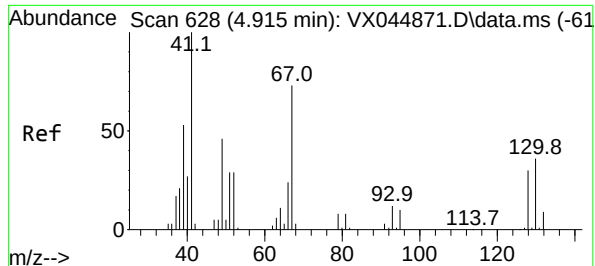
Tgt Ion: 78 Resp: 358365

Ion Ratio Lower Upper

78 100

77 23.4 19.0 28.6





#41
Methacrylonitrile
Concen: 53.741 ug/l
RT: 4.910 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

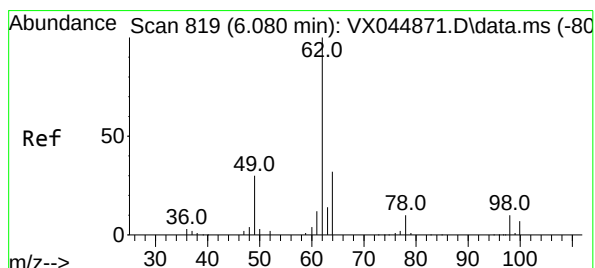
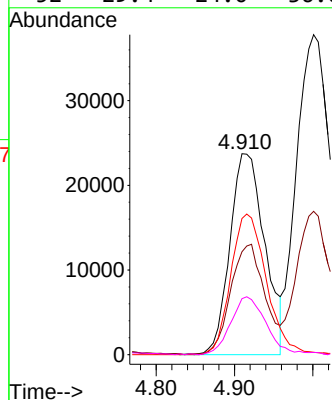
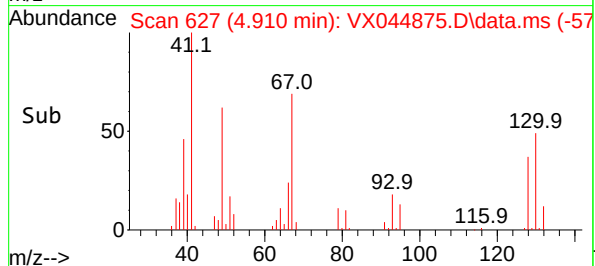
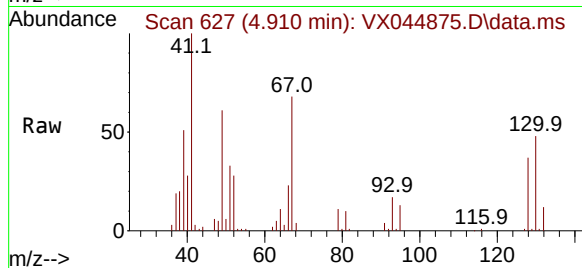
ClientSampleId :

ICVX021025

Tgt Ion: 41 Resp: 73559
Ion Ratio Lower Upper
41 100
39 54.1 43.1 64.7
67 71.9 57.0 85.6
52 29.4 24.0 36.0

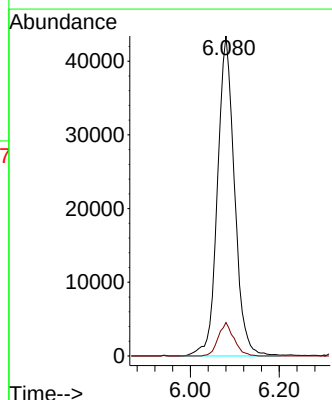
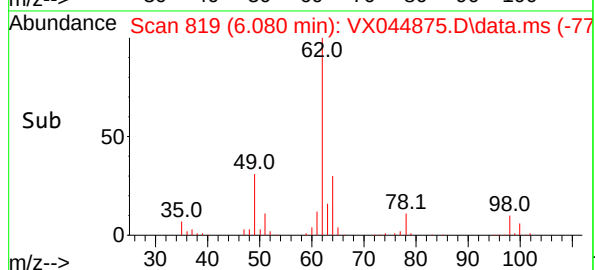
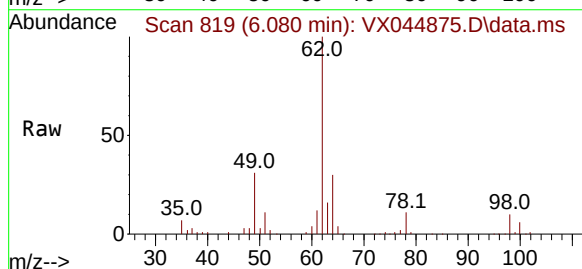
Manual Integrations
APPROVED

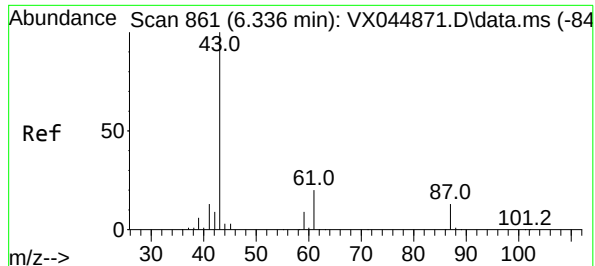
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#42
1,2-Dichloroethane
Concen: 50.410 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 62 Resp: 115339
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.4





#43

Isopropyl Acetate

Concen: 51.798 ug/l

RT: 6.336 min Scan# 80

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 43 Resp: 21390

Ion Ratio Lower Upper

43

100

61

87

19.9 15.8 23.8

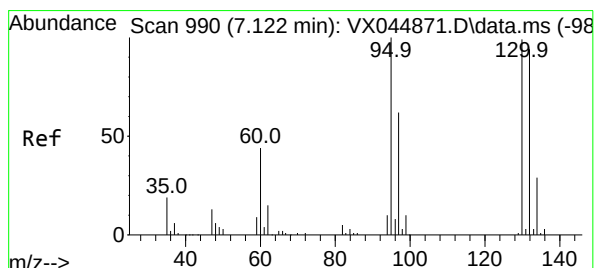
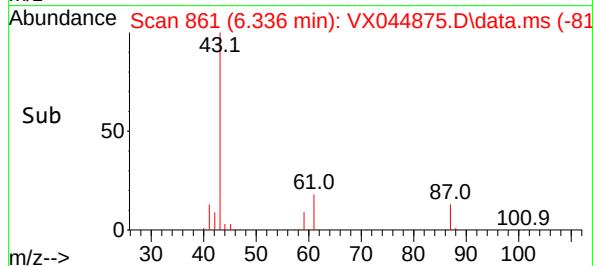
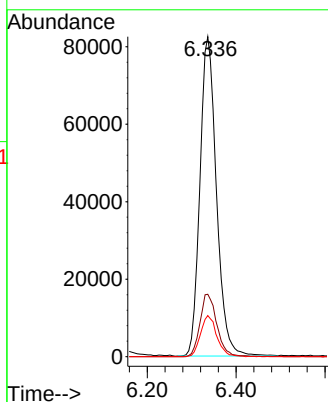
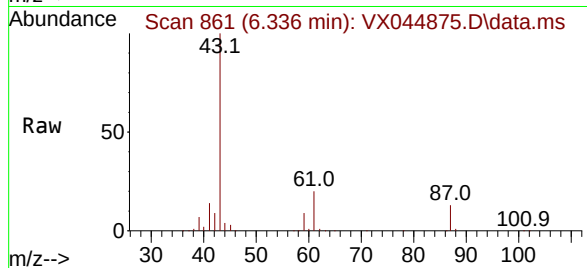
12.6 10.0 15.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#44

Trichloroethene

Concen: 49.917 ug/l

RT: 7.116 min Scan# 989

Delta R.T. -0.006 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Tgt Ion:130 Resp: 81911

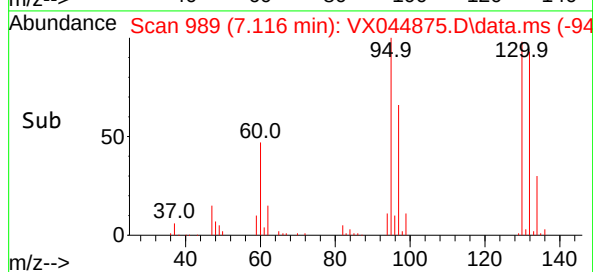
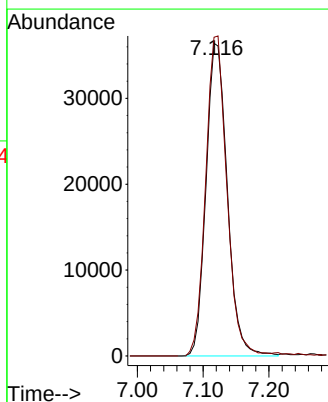
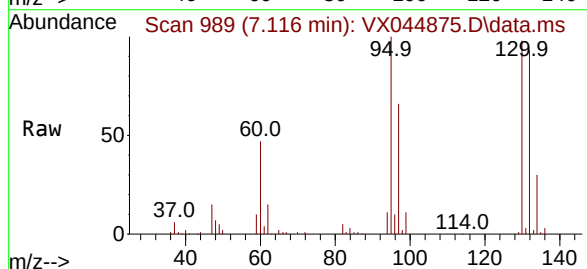
Ion Ratio Lower Upper

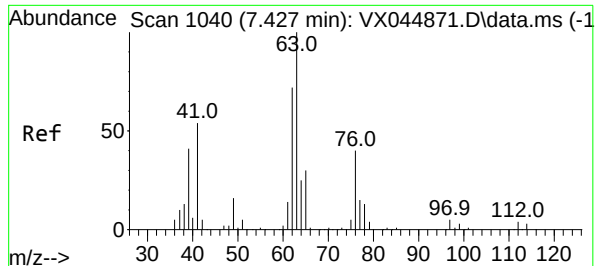
130

100

95

102.0 0.0 202.4





#45

1,2-Dichloropropane

Concen: 50.387 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 63 Resp: 8999

Ion Ratio Lower Upper

63 100

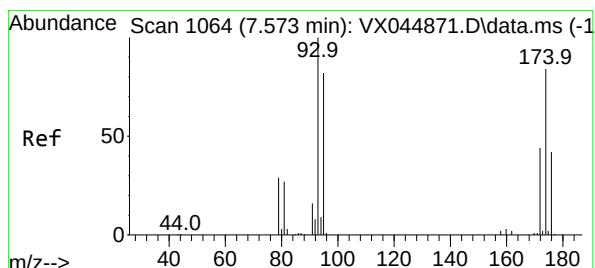
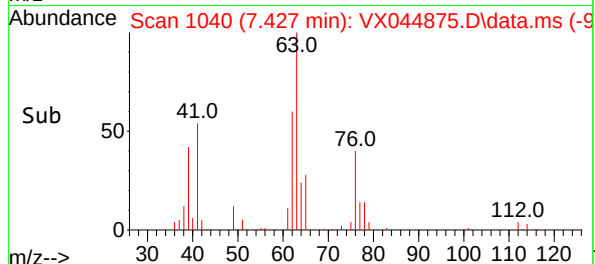
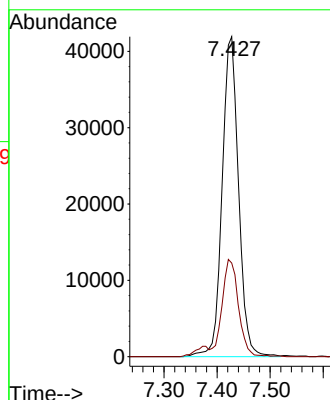
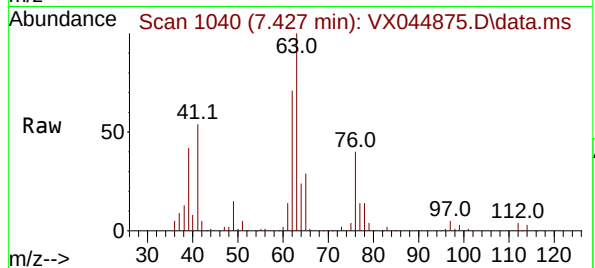
65 29.3 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#46

Dibromomethane

Concen: 49.540 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

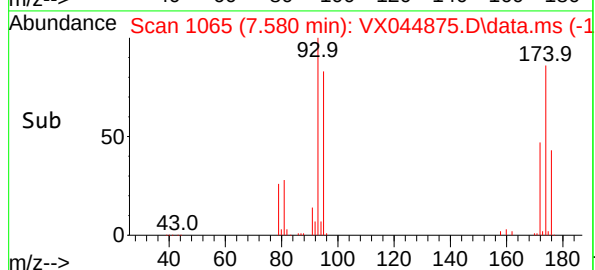
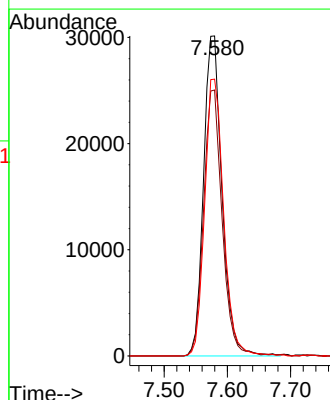
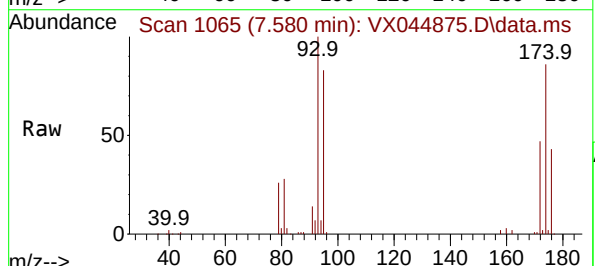
Tgt Ion: 93 Resp: 61360

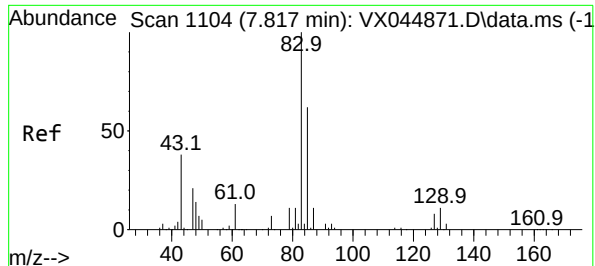
Ion Ratio Lower Upper

93 100

95 83.2 66.2 99.4

174 88.6 69.9 104.9





#47

Bromodichloromethane

Concen: 50.980 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 83 Resp: 12226

Ion Ratio Lower Upper

83 100

85 63.3 50.0 75.0

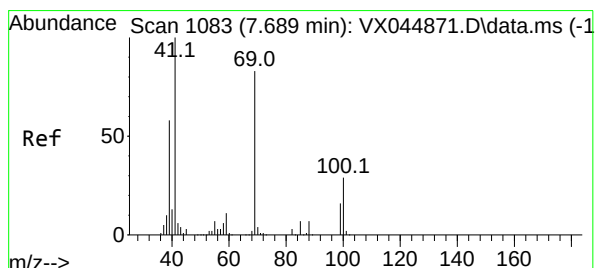
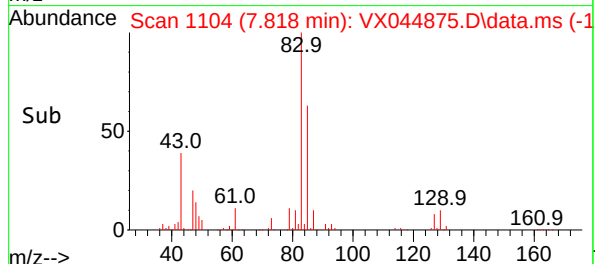
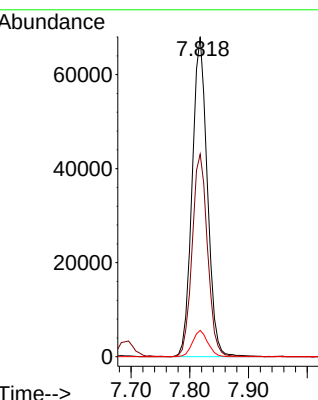
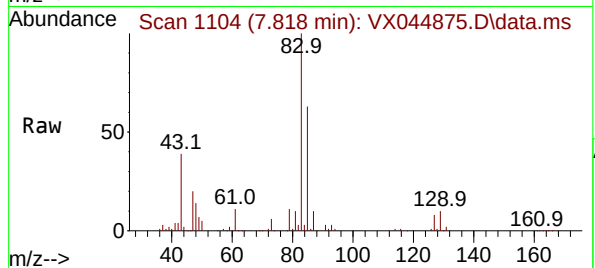
127 8.2 6.4 9.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#48

Methyl methacrylate

Concen: 52.848 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

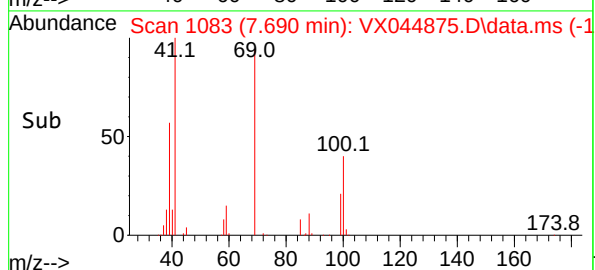
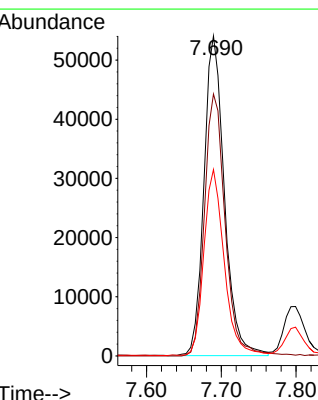
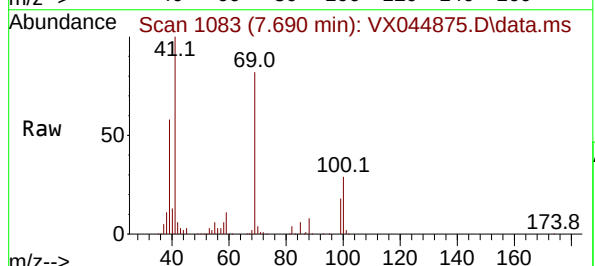
Tgt Ion: 41 Resp: 102900

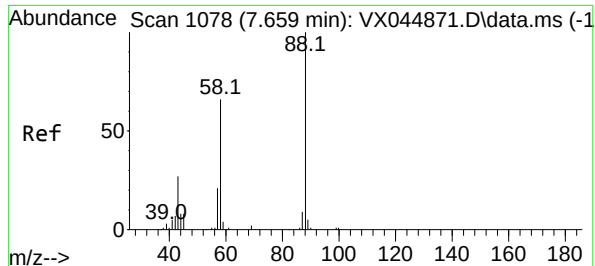
Ion Ratio Lower Upper

41 100

69 83.2 65.8 98.8

39 57.8 46.4 69.6





#49

1,4-Dioxane

Concen: 1021.138 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 88 Resp: 42658

Ion Ratio Lower Upper

88 100

43 32.2 26.6 39.8

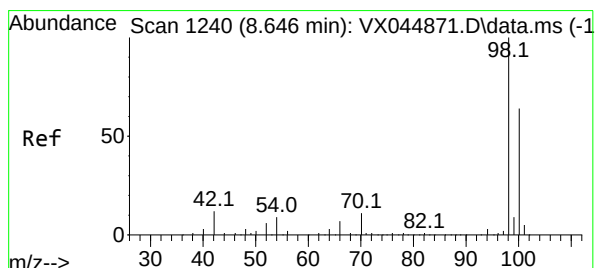
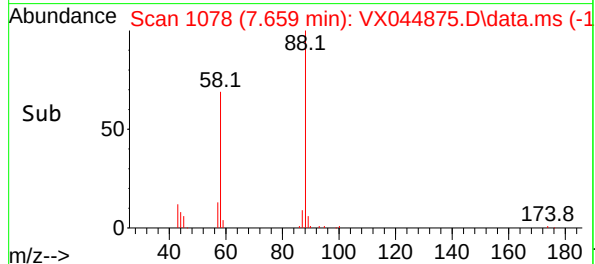
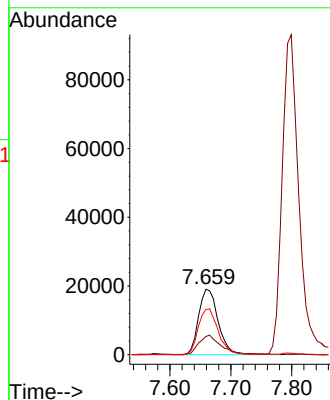
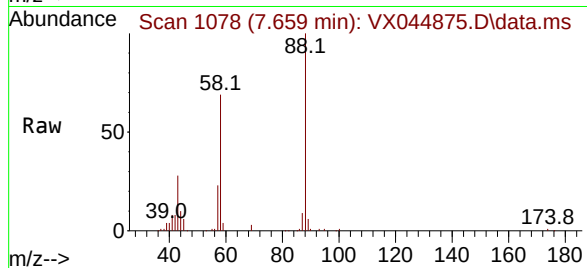
58 71.2 55.9 83.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#50

Toluene-d8

Concen: 49.649 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044875.D

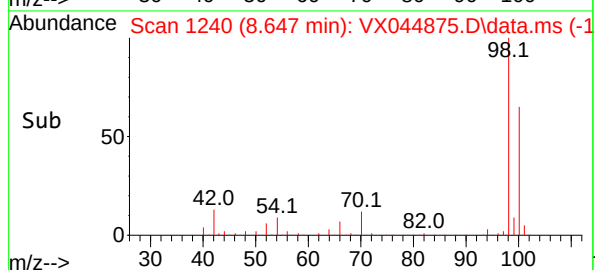
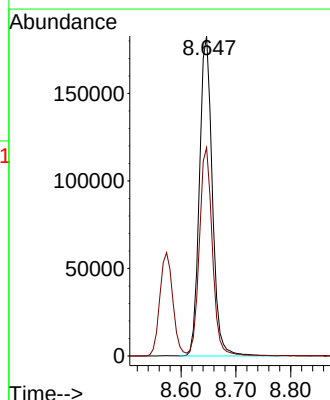
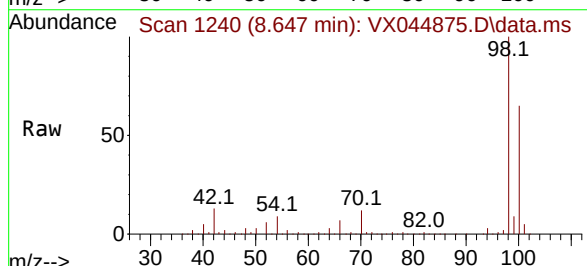
Acq: 10 Feb 2025 13:15

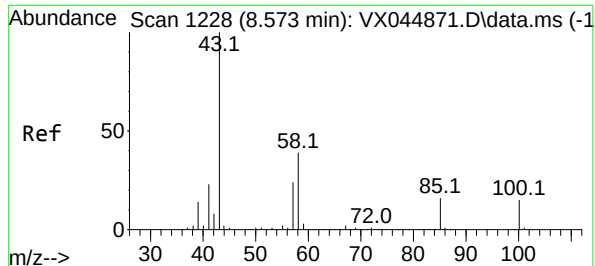
Tgt Ion: 98 Resp: 299178

Ion Ratio Lower Upper

98 100

100 65.4 52.7 79.1





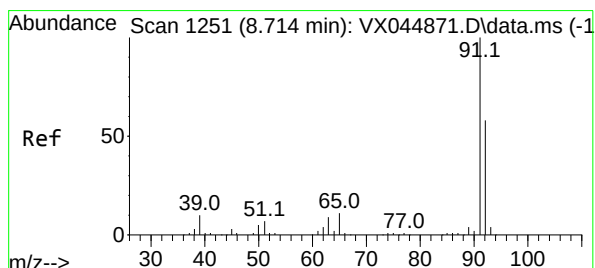
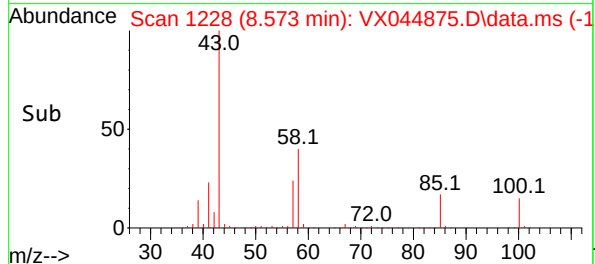
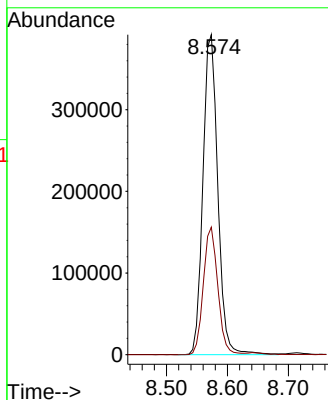
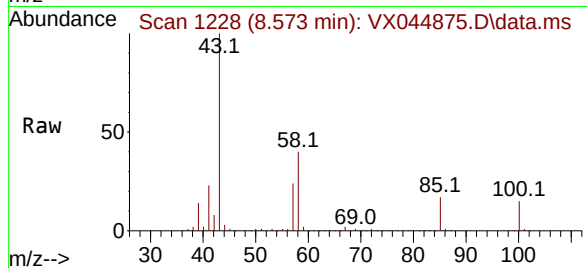
#51
4-Methyl-2-Pentanone
Concen: 265.112 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVX021025

Tgt Ion: 43 Resp: 665564
Ion Ratio Lower Upper
43 100
58 38.7 30.8 46.2

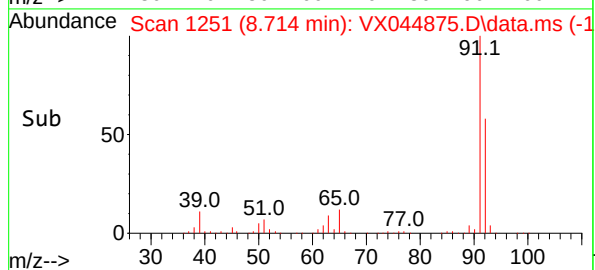
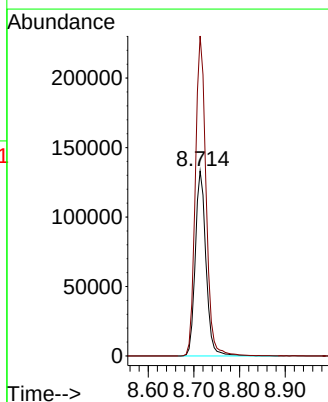
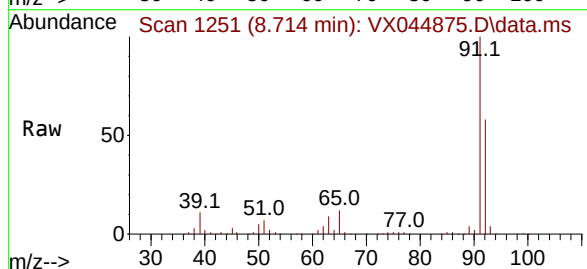
Manual Integrations
APPROVED

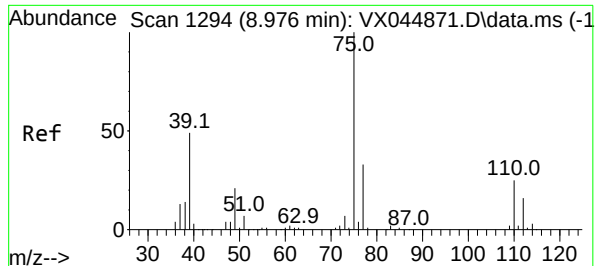
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#52
Toluene
Concen: 50.680 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 92 Resp: 216682
Ion Ratio Lower Upper
92 100
91 173.4 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 53.731 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 75 Resp: 13040

Ion Ratio Lower Upper

75 100

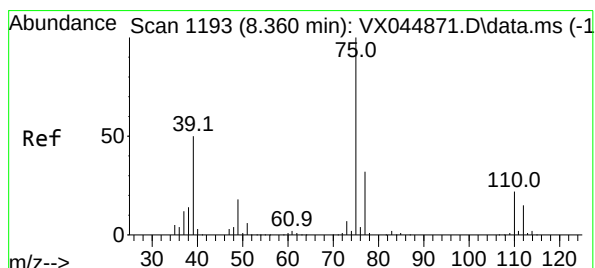
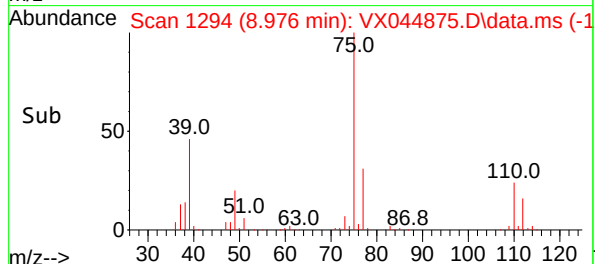
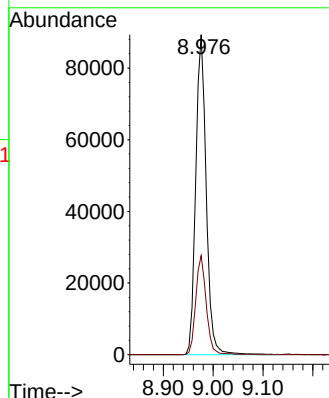
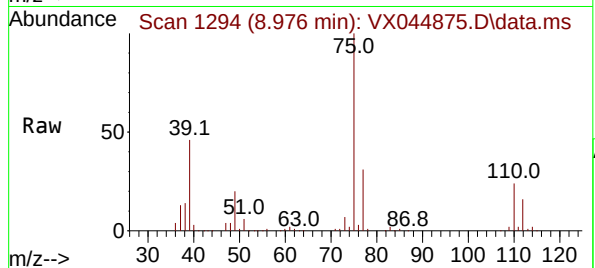
77 31.0 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#54

cis-1,3-Dichloropropene

Concen: 52.986 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

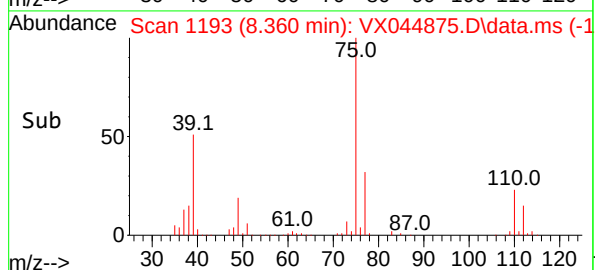
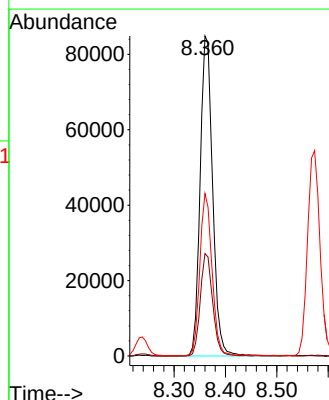
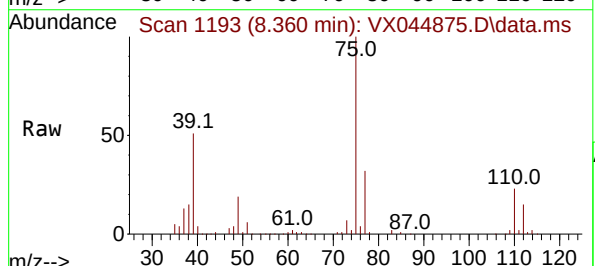
Tgt Ion: 75 Resp: 143379

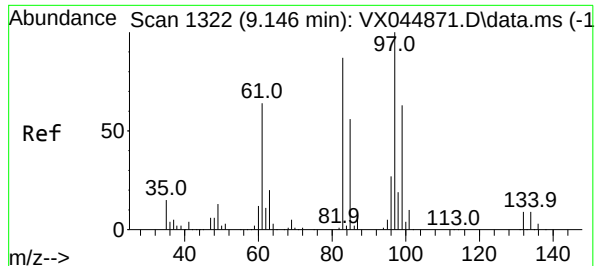
Ion Ratio Lower Upper

75 100

77 32.0 25.3 37.9

39 50.6 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 50.811 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 97 Resp: 83510

Ion Ratio Lower Upper

97 100

83 87.1 69.8 104.6

85 56.6 44.8 67.2

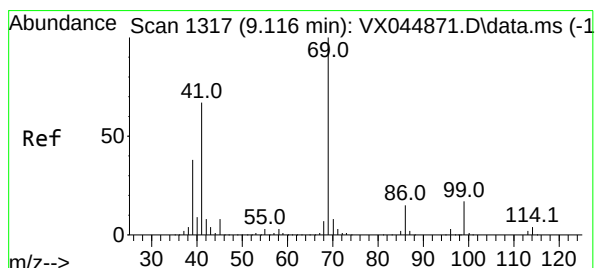
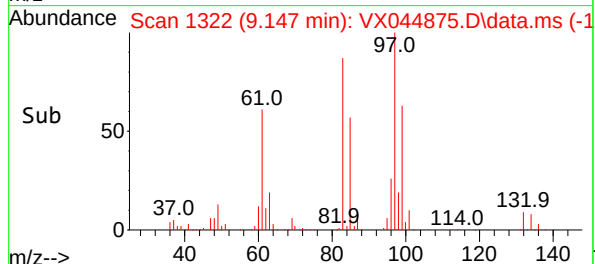
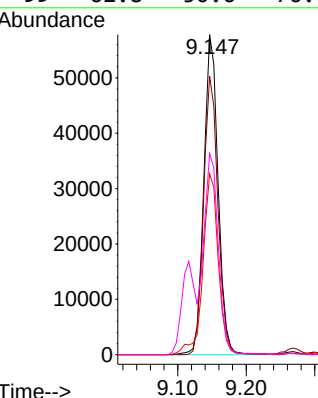
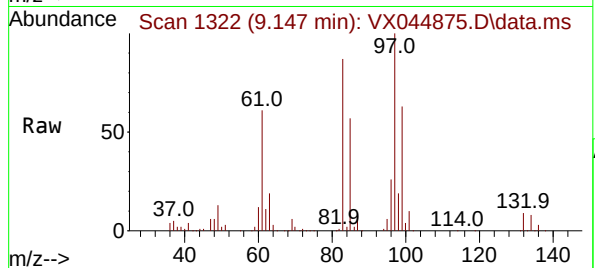
99 62.8 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#56

Ethyl methacrylate

Concen: 54.068 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

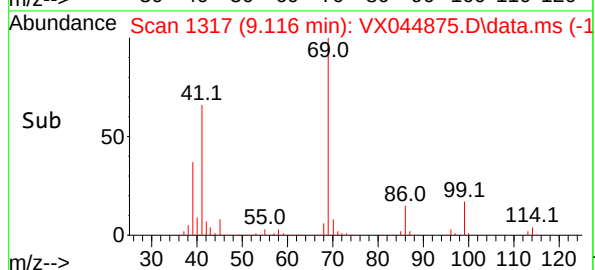
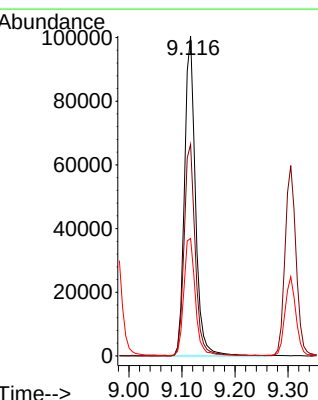
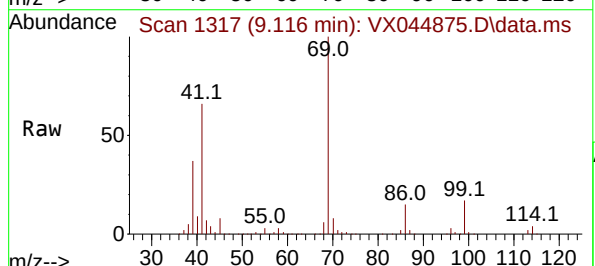
Tgt Ion: 69 Resp: 143524

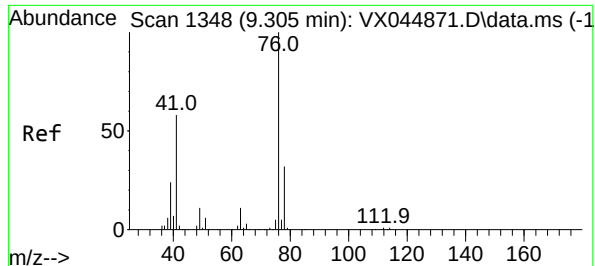
Ion Ratio Lower Upper

69 100

41 67.8 55.2 82.8

39 38.4 30.8 46.2





#57

1,3-Dichloropropane

Concen: 50.852 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 76 Resp: 146230

Ion Ratio Lower Upper

76 100

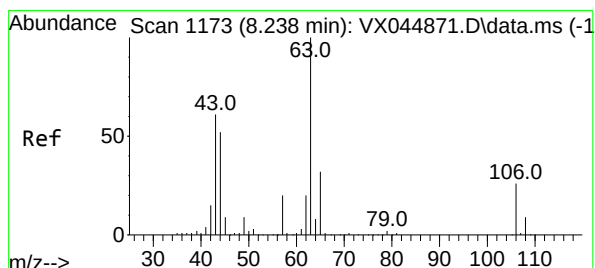
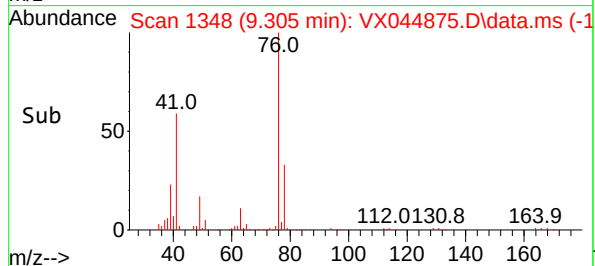
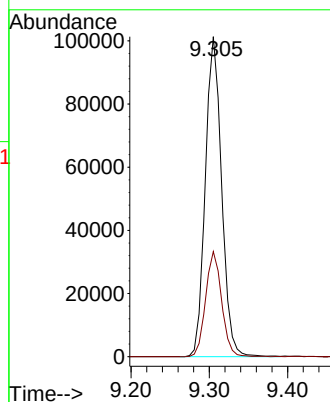
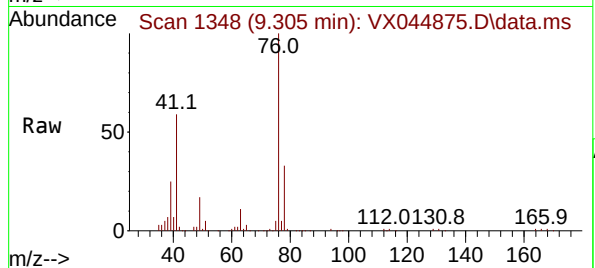
78 32.3 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#58

2-Chloroethyl Vinyl ether

Concen: 284.352 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044875.D

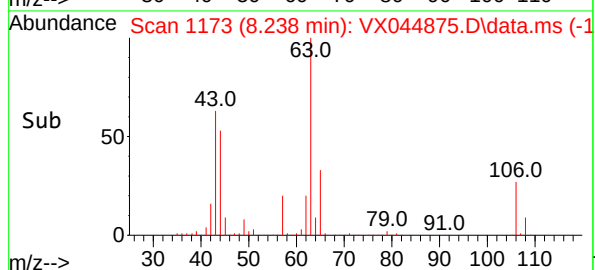
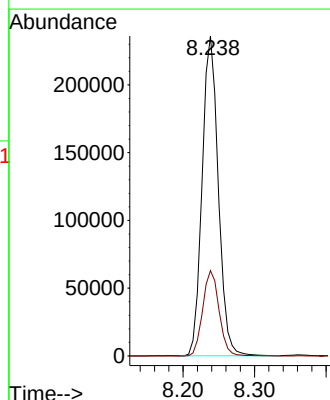
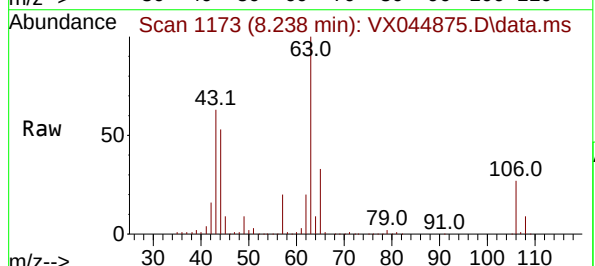
Acq: 10 Feb 2025 13:15

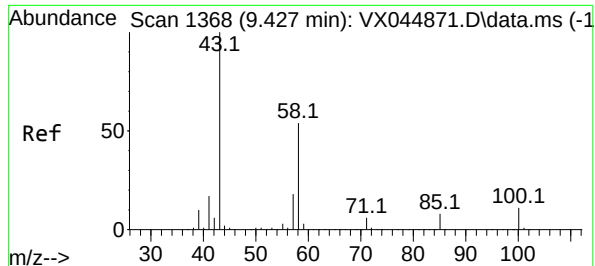
Tgt Ion: 63 Resp: 370622

Ion Ratio Lower Upper

63 100

106 27.0 21.3 31.9





#59

2-Hexanone

Concen: 269.951 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 43 Resp: 488298

Ion Ratio Lower Upper

43 100

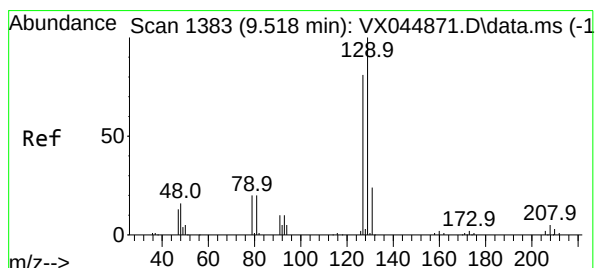
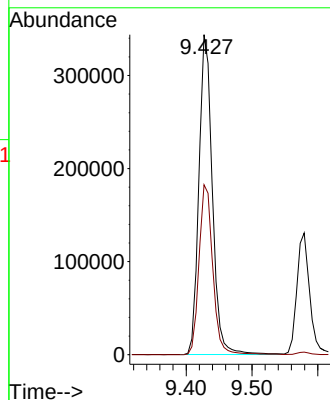
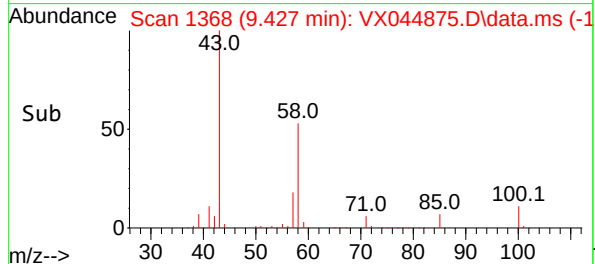
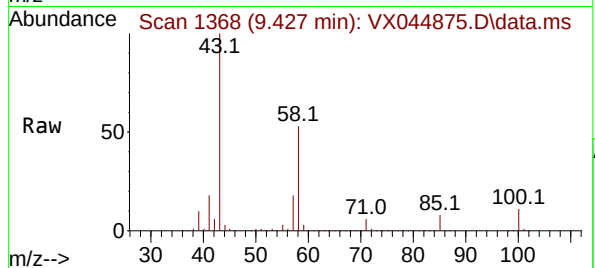
58 54.5 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#60

Dibromochloromethane

Concen: 51.673 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044875.D

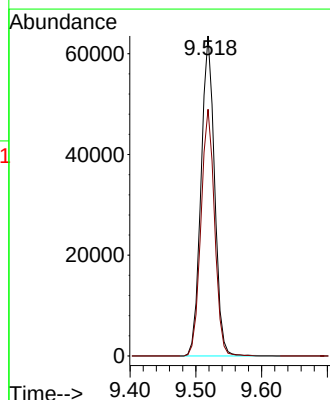
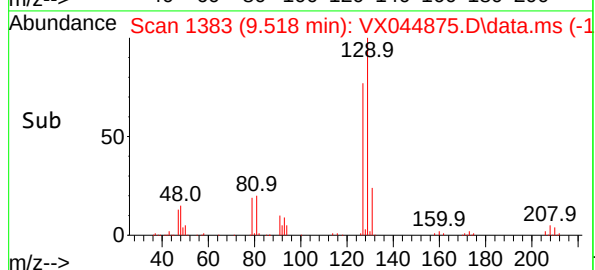
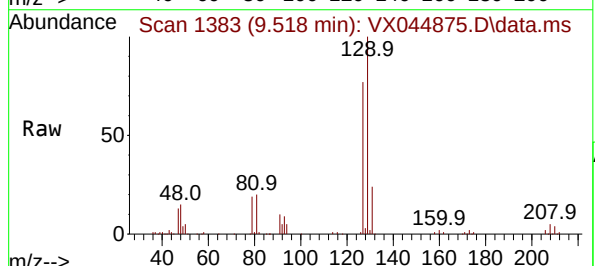
Acq: 10 Feb 2025 13:15

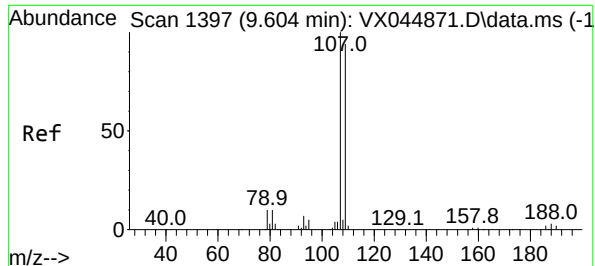
Tgt Ion:129 Resp: 90826

Ion Ratio Lower Upper

129 100

127 77.5 39.1 117.3





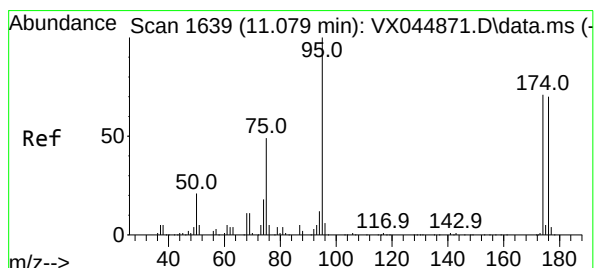
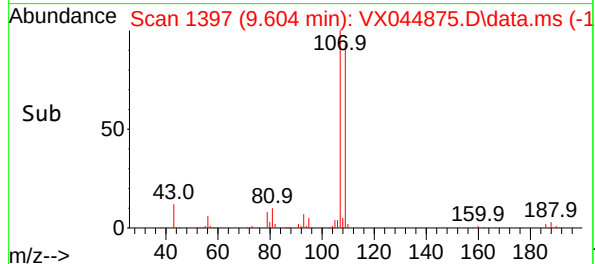
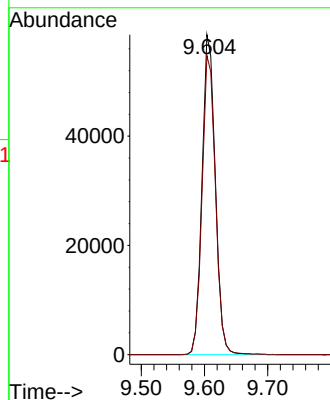
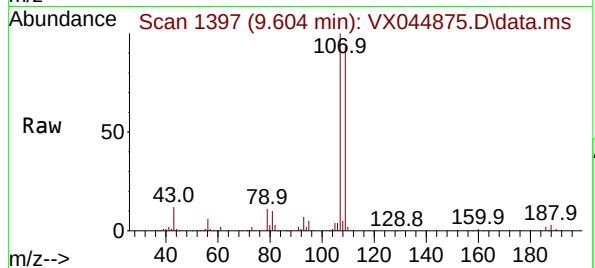
#61
1,2-Dibromoethane
Concen: 51.436 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion:107 Resp: 8568
Ion Ratio Lower Upper
107 100
109 94.5 75.9 113.9

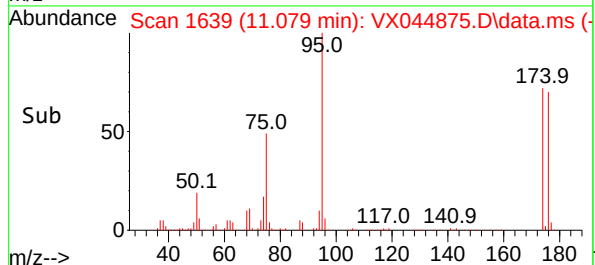
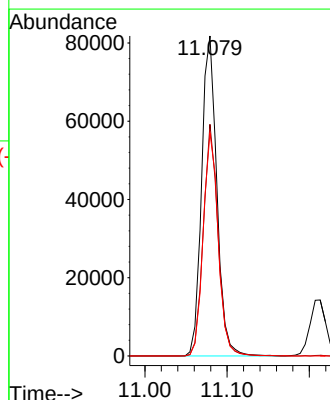
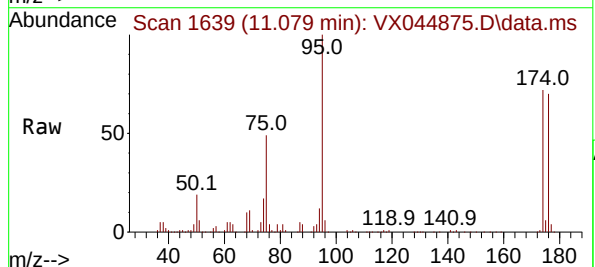
Manual Integrations
APPROVED

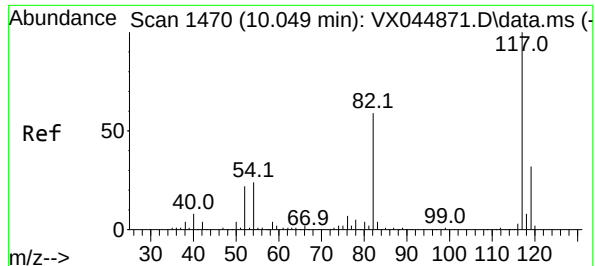
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#62
4-Bromofluorobenzene
Concen: 51.786 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 95 Resp: 105201
Ion Ratio Lower Upper
95 100
174 69.8 0.0 142.6
176 68.9 0.0 141.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021025

Tgt Ion:117 Resp: 21324

Ion Ratio Lower Upper

117 100

82 59.7 47.5 71.3

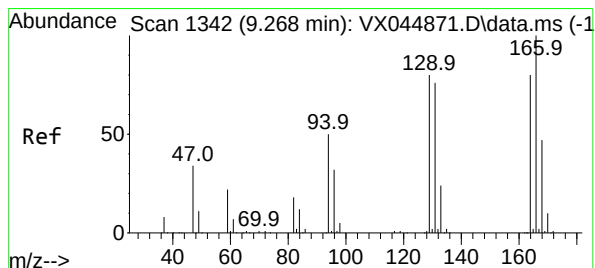
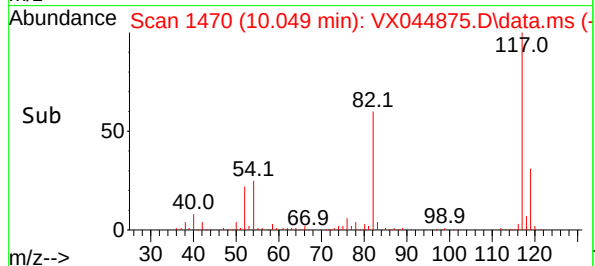
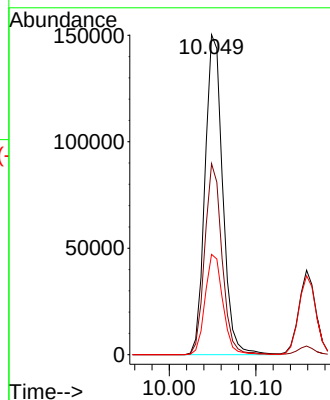
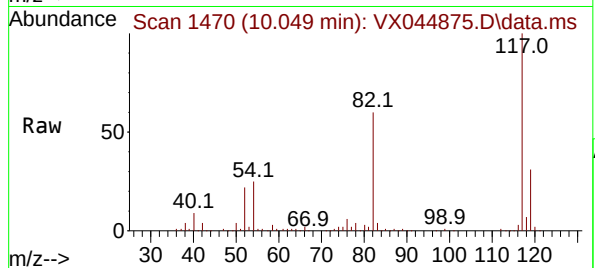
119 31.3 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#64

Tetrachloroethene

Concen: 49.424 ug/l

RT: 9.268 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Tgt Ion:164 Resp: 66468

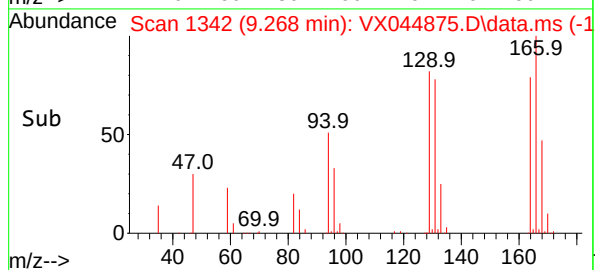
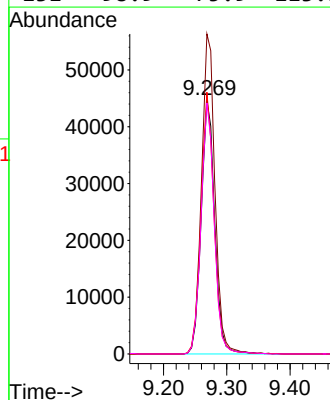
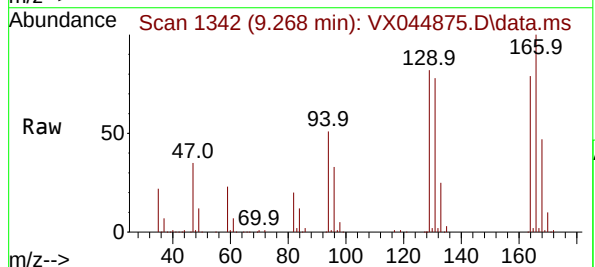
Ion Ratio Lower Upper

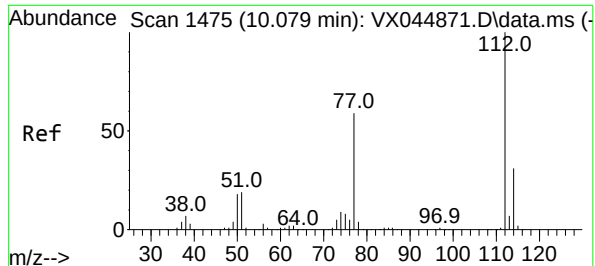
164 100

166 126.1 100.4 150.6

129 103.1 79.9 119.9

131 98.9 75.9 113.9





#65

Chlorobenzene

Concen: 50.952 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion:112 Resp: 23337

Ion Ratio Lower Upper

112 100

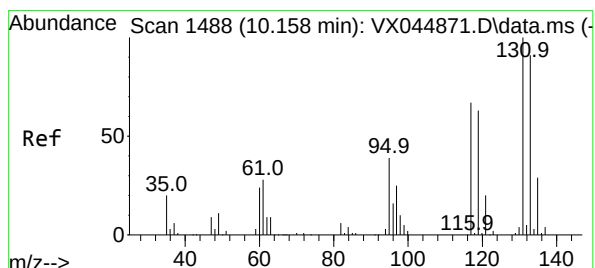
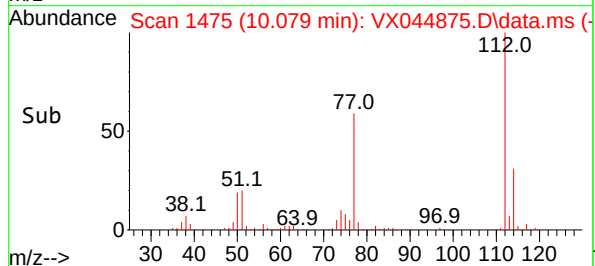
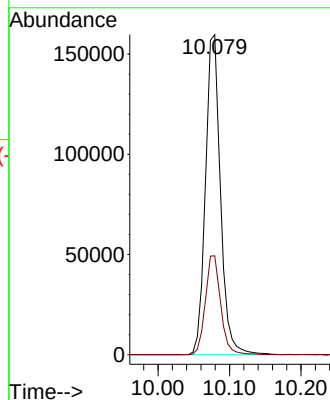
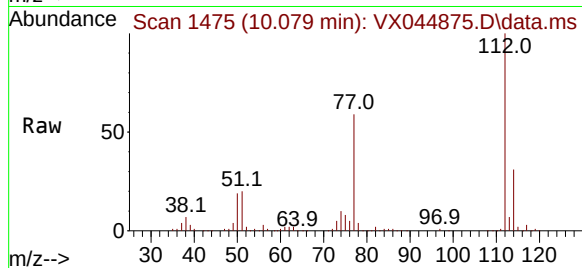
114 30.9 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 51.205 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

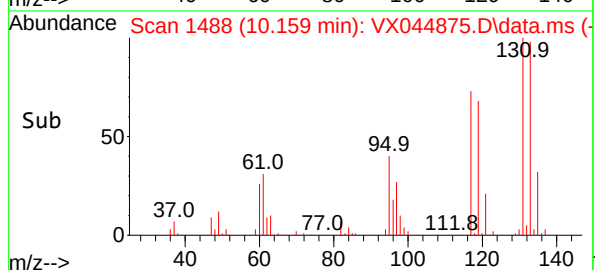
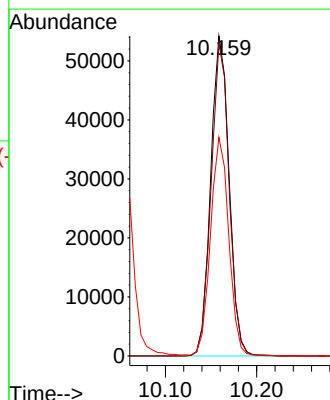
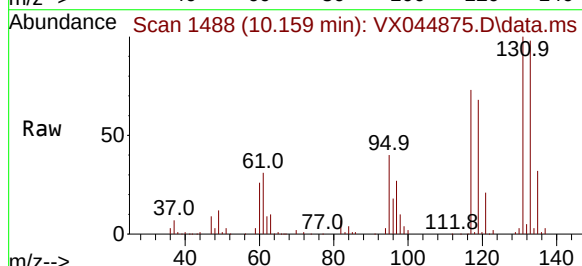
Tgt Ion:131 Resp: 75488

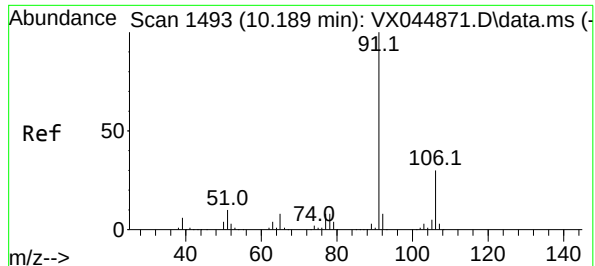
Ion Ratio Lower Upper

131 100

133 95.8 47.1 141.3

119 68.2 33.6 100.6





#67

Ethyl Benzene

Concen: 51.415 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 91 Resp: 41557

Ion Ratio Lower Upper

91 100

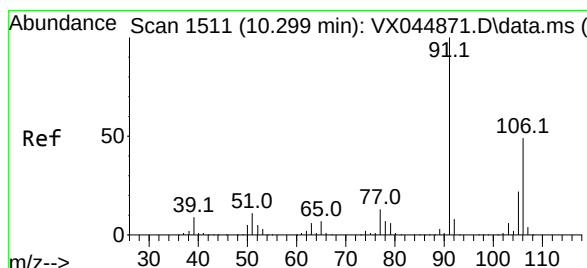
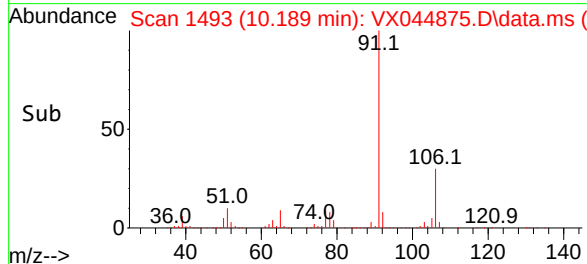
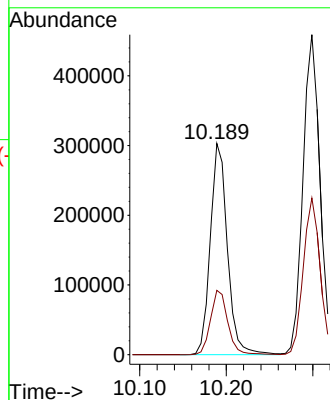
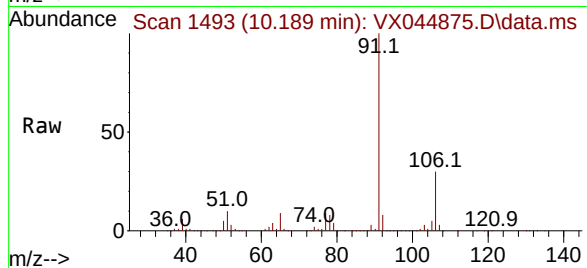
106 30.4 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#68

m/p-Xylenes

Concen: 104.282 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044875.D

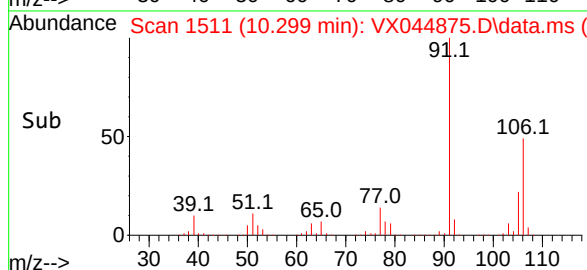
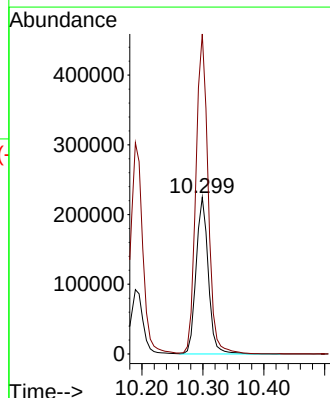
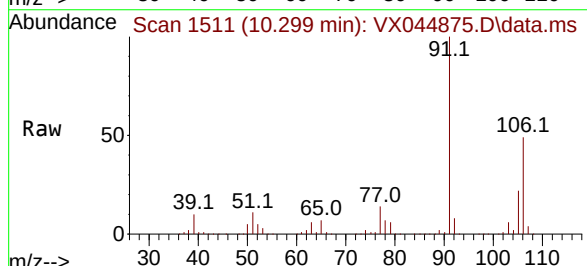
Acq: 10 Feb 2025 13:15

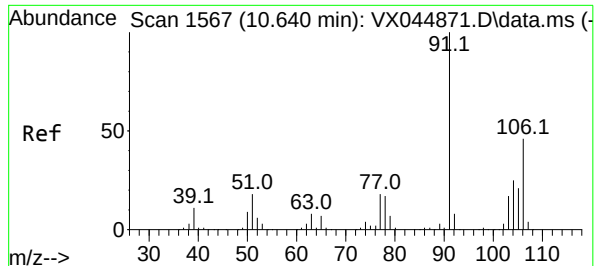
Tgt Ion:106 Resp: 310925

Ion Ratio Lower Upper

106 100

91 205.2 164.3 246.5





#69

o-Xylene

Concen: 50.804 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion:106 Resp: 15199

Ion Ratio Lower Upper

106 100

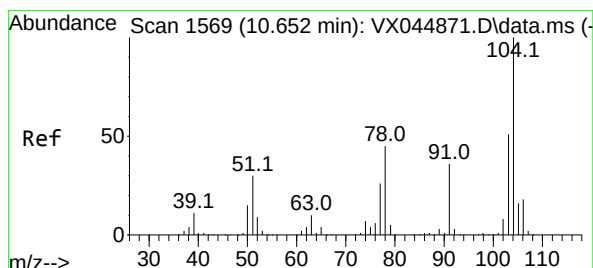
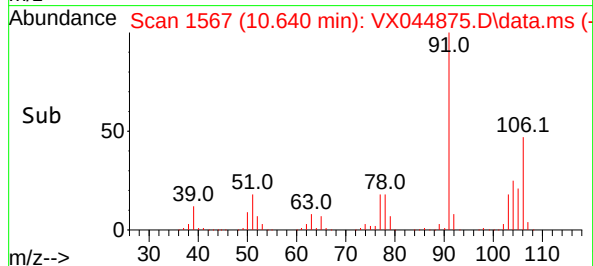
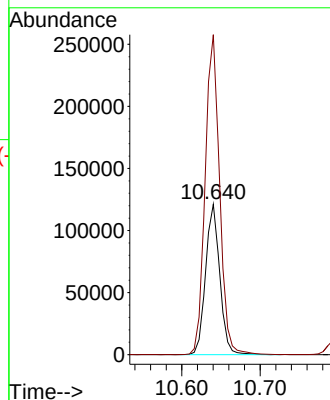
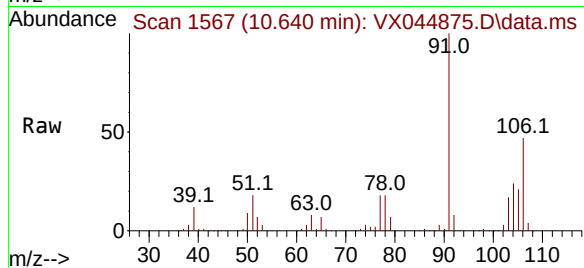
91 217.1 108.5 325.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#70

Styrene

Concen: 53.521 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

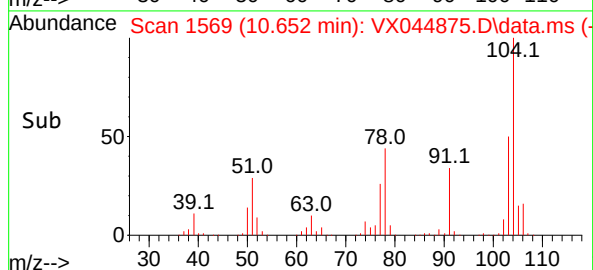
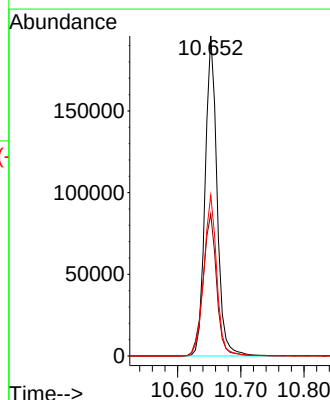
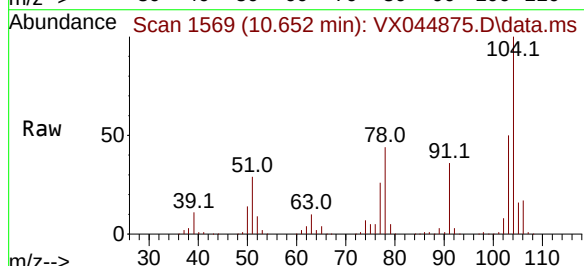
Tgt Ion:104 Resp: 257972

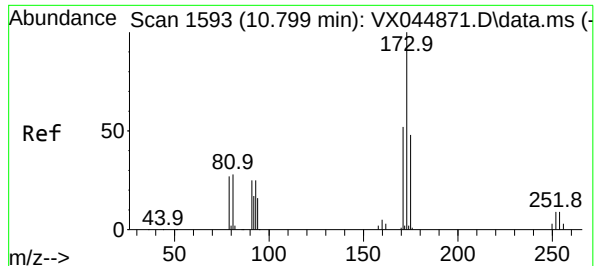
Ion Ratio Lower Upper

104 100

78 50.3 40.5 60.7

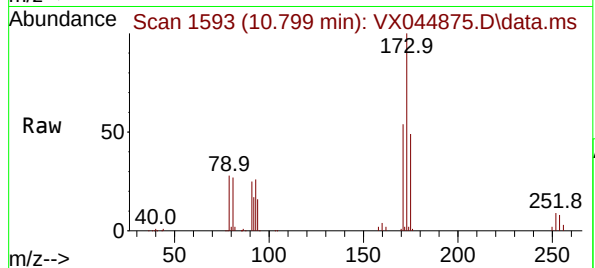
103 54.5 43.6 65.4





#71
Bromoform
Concen: 53.997 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

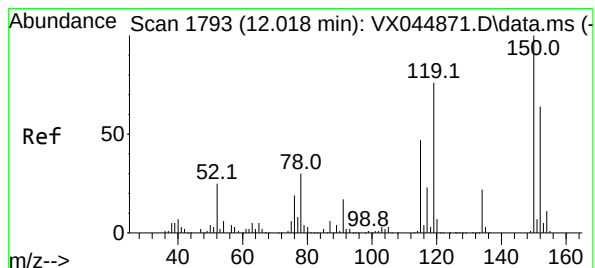
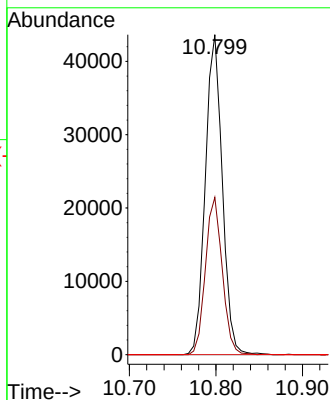
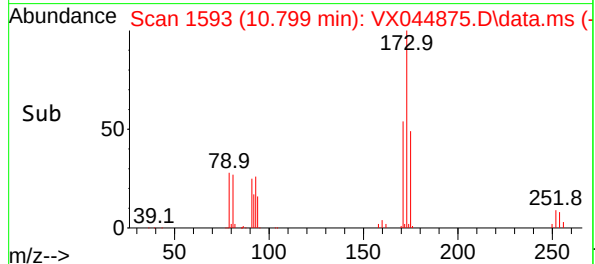
Instrument :
MSVOA_X
ClientSampleId :
ICVX021025



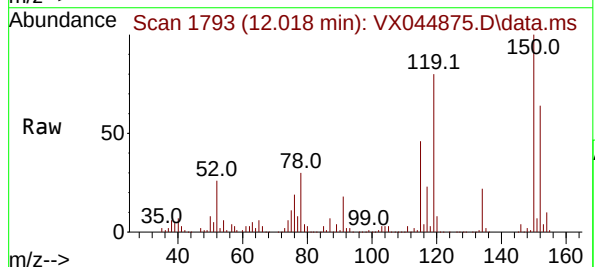
Tgt Ion:173 Resp: 59409
Ion Ratio Lower Upper
173 100
175 48.7 24.3 72.8
254 0.0 0.0 0.0

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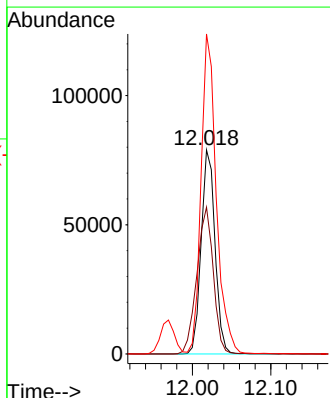
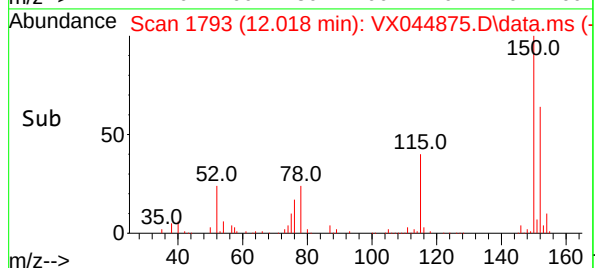
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025

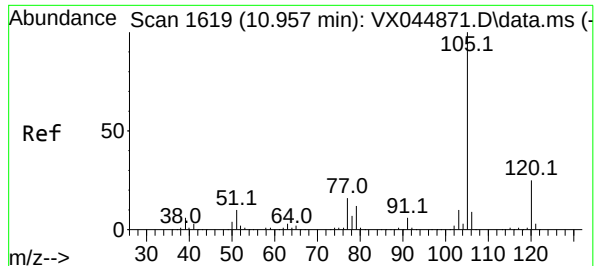


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15



Tgt Ion:152 Resp: 97087
Ion Ratio Lower Upper
152 100
115 85.5 43.4 130.1
150 171.8 0.0 350.4





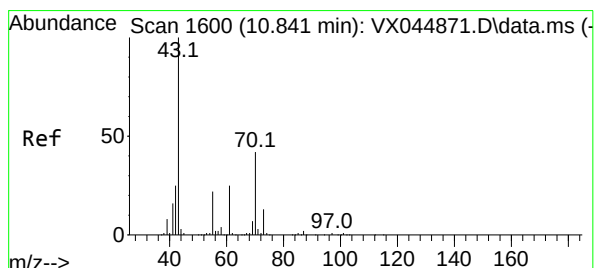
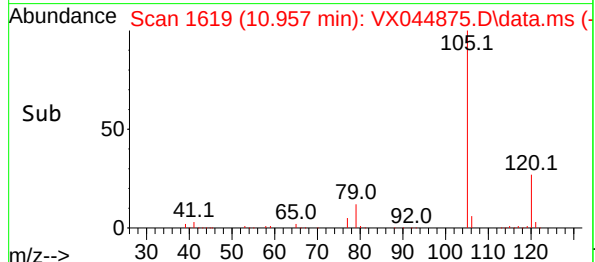
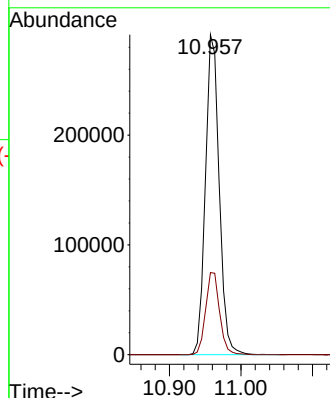
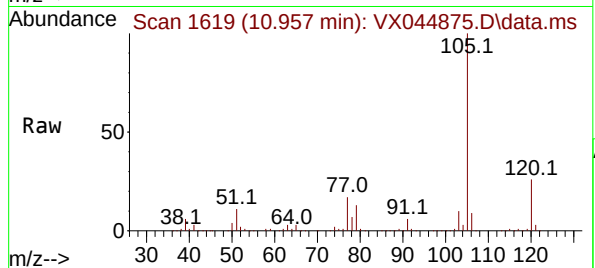
#73
Isopropylbenzene
Concen: 49.921 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 105 Resp: 390240
Ion Ratio Lower Upper
105 100
120 26.1 13.2 39.5

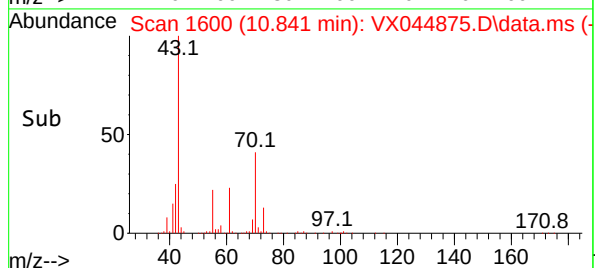
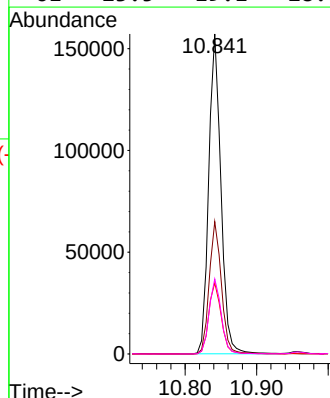
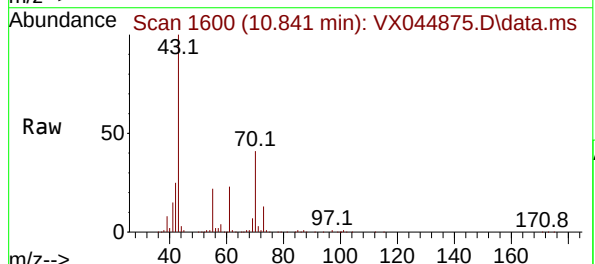
Manual Integrations
APPROVED

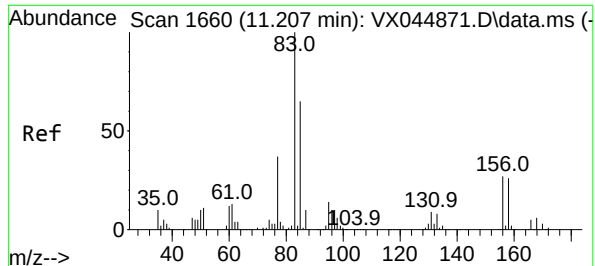
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#74
N-ethyl acetate
Concen: 52.621 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 186145
Ion Ratio Lower Upper
43 100
70 41.4 33.7 50.5
55 22.8 18.6 27.8
61 23.5 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 48.331 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion: 83 Resp: 129829

Ion Ratio Lower Upper

83 100

131 9.2 4.5 13.5

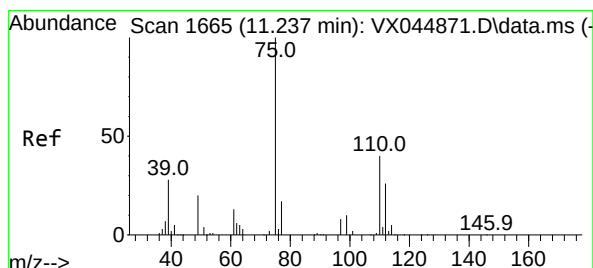
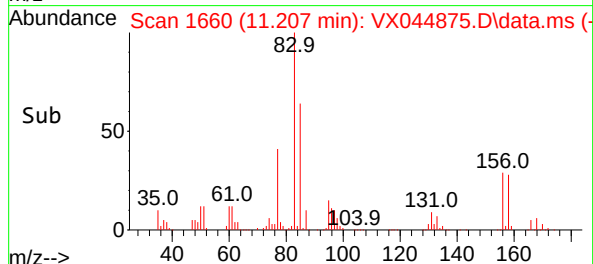
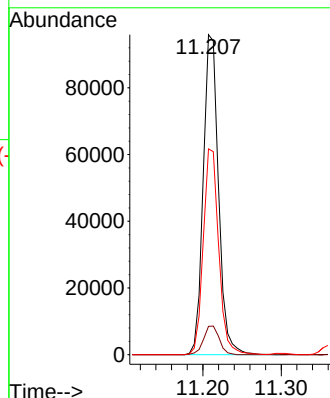
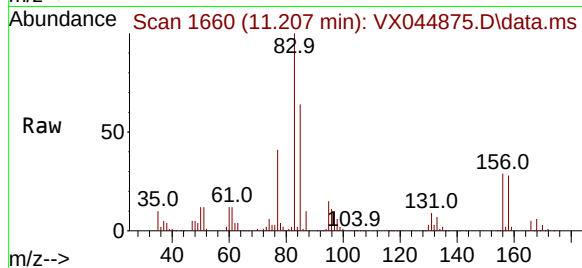
85 65.1 32.3 96.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#76

1,2,3-Trichloropropane

Concen: 49.659 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX044875.D

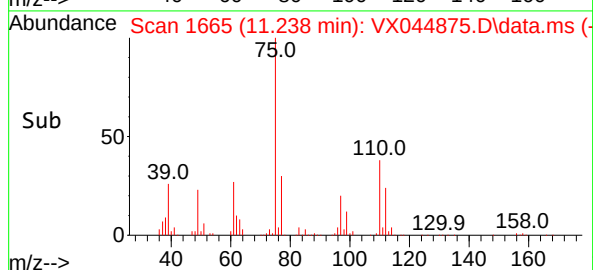
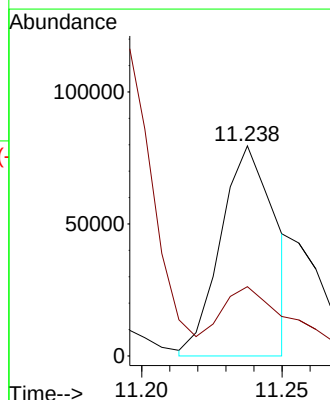
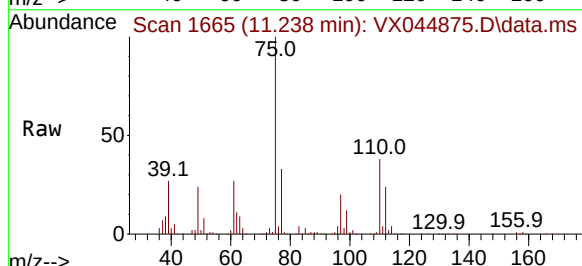
Acq: 10 Feb 2025 13:15

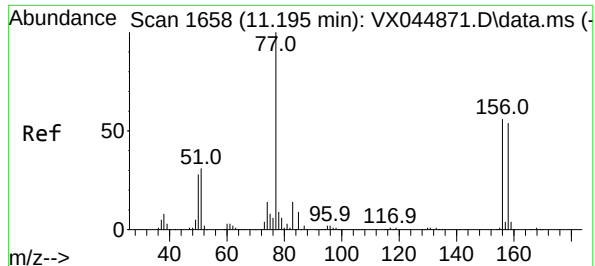
Tgt Ion: 75 Resp: 106893

Ion Ratio Lower Upper

75 100

77 43.7 21.9 65.7





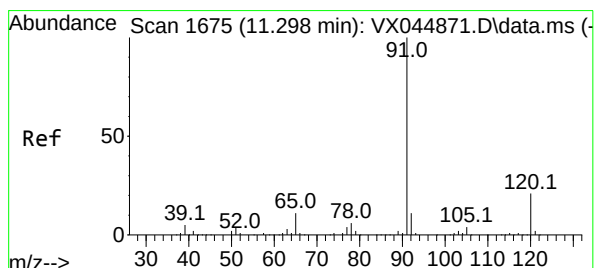
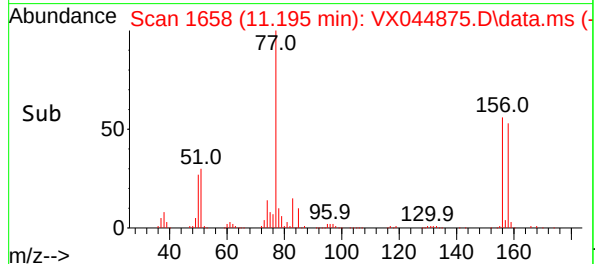
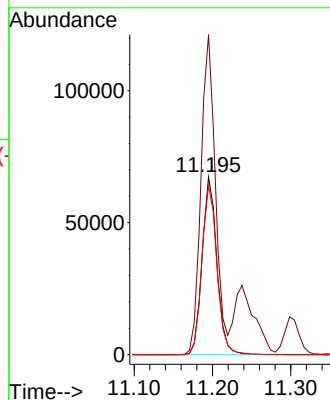
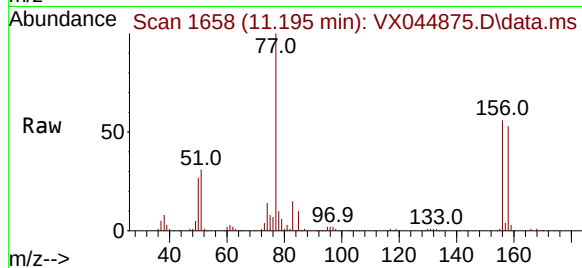
#77
Bromobenzene
Concen: 49.725 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVX021025

Tgt Ion:156 Resp: 88129
Ion Ratio Lower Upper
156 100
77 176.3 88.4 265.3
158 96.7 48.4 145.2

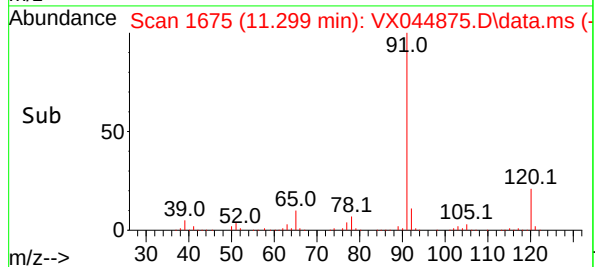
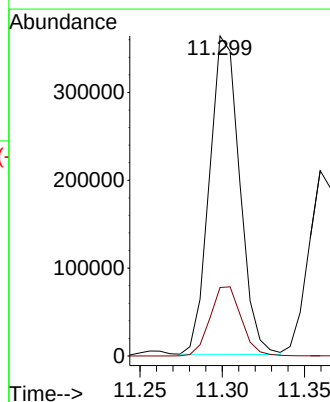
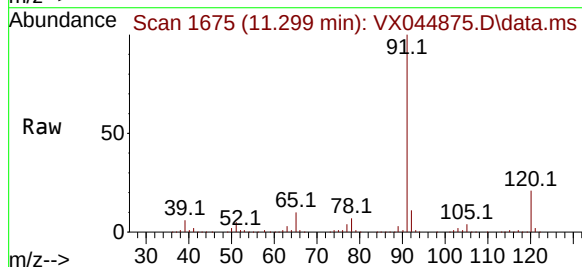
Manual Integrations
APPROVED

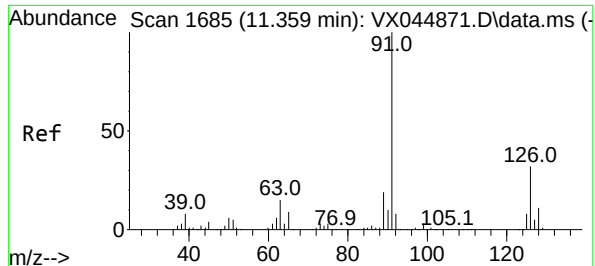
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#78
n-propylbenzene
Concen: 51.386 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 91 Resp: 463655
Ion Ratio Lower Upper
91 100
120 22.5 11.1 33.3





#79

2-Chlorotoluene

Concen: 49.065 ug/l

RT: 11.360 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021025

Tgt Ion: 91 Resp: 27209

Ion Ratio Lower Upper

91 100

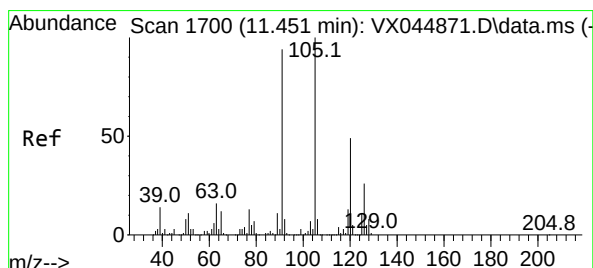
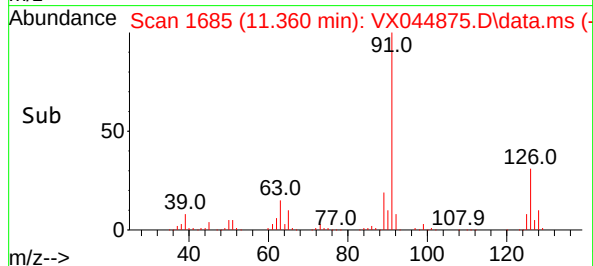
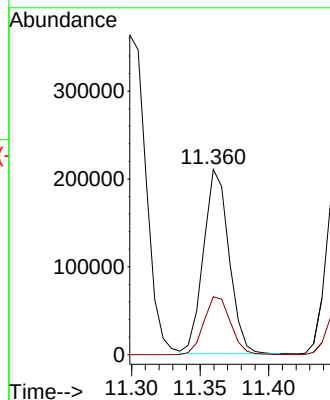
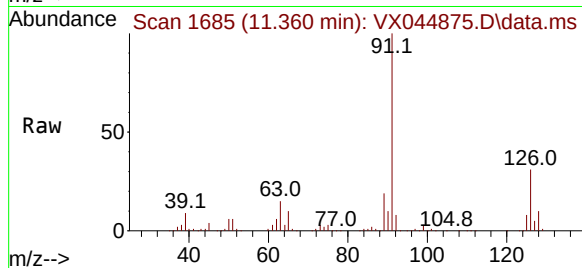
126 33.0 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#80

1,3,5-Trimethylbenzene

Concen: 50.956 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044875.D

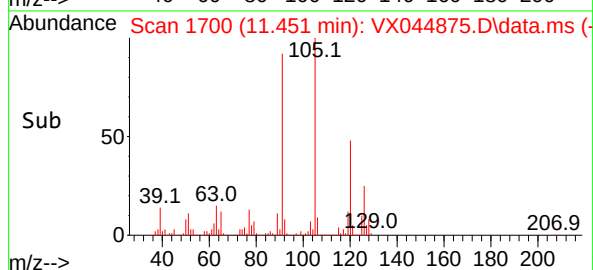
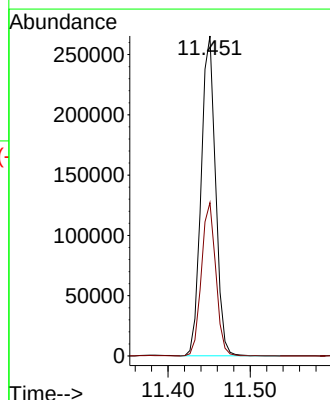
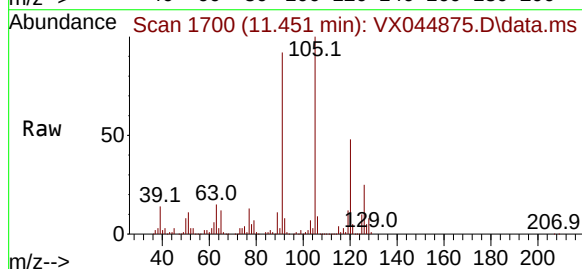
Acq: 10 Feb 2025 13:15

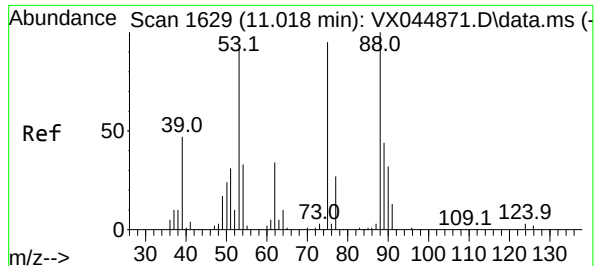
Tgt Ion:105 Resp: 323251

Ion Ratio Lower Upper

105 100

120 48.0 24.0 72.0





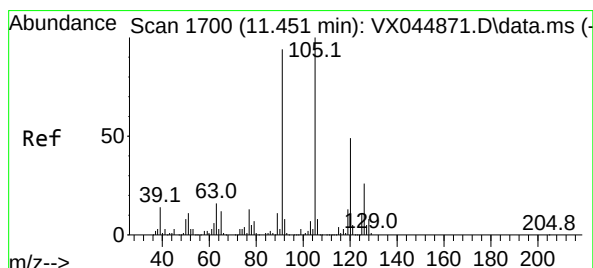
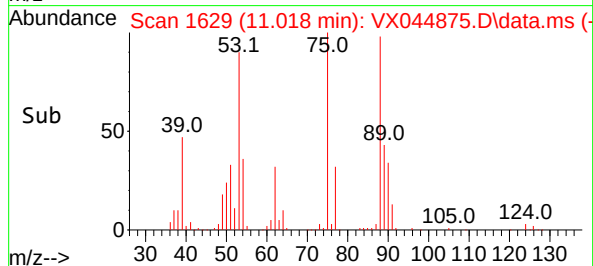
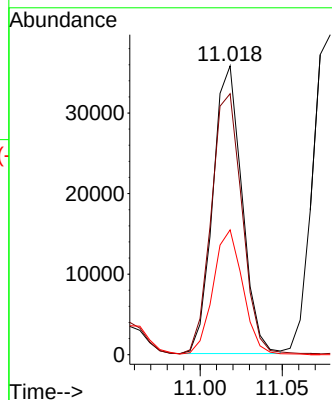
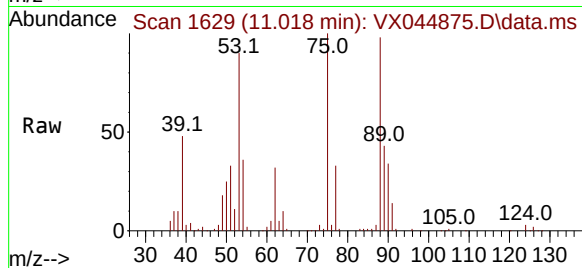
#81
trans-1,4-Dichloro-2-butene
Concen: 52.665 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVX021025

Tgt Ion: 75 Resp: 44070
Ion Ratio Lower Upper
75 100
53 96.9 78.0 117.0
89 44.3 36.6 54.8

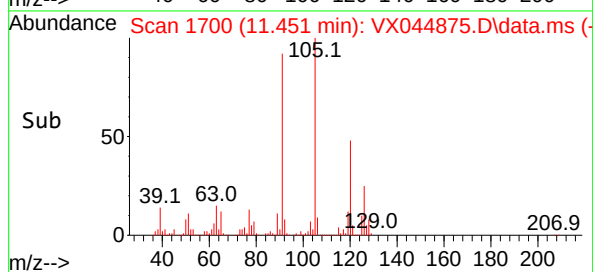
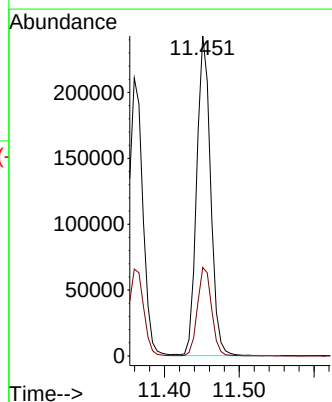
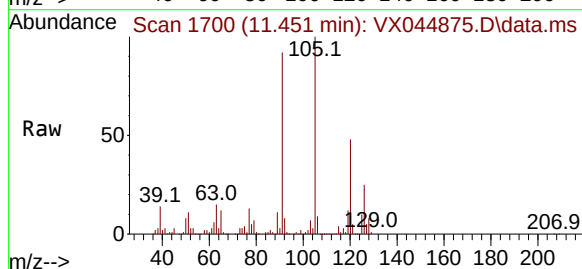
Manual Integrations
APPROVED

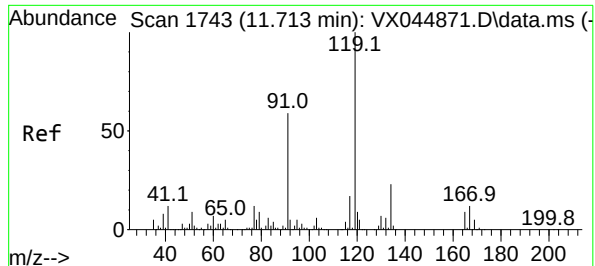
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#82
4-Chlorotoluene
Concen: 50.872 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 91 Resp: 312112
Ion Ratio Lower Upper
91 100
126 28.2 14.2 42.6





#83

tert-Butylbenzene

Concen: 50.139 ug/l

RT: 11.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion:119 Resp: 32177

Ion Ratio Lower Upper

119 100

91 60.7 29.1 87.4

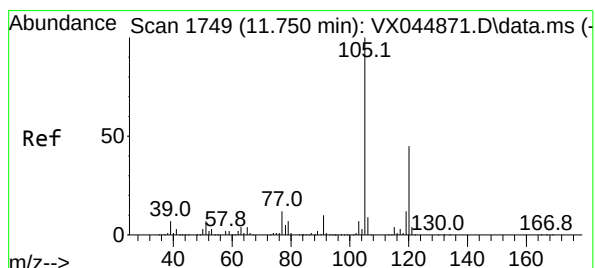
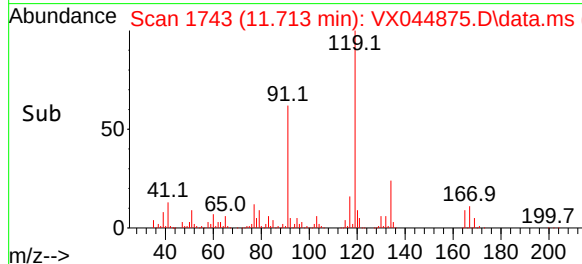
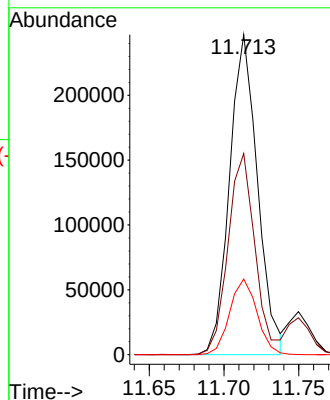
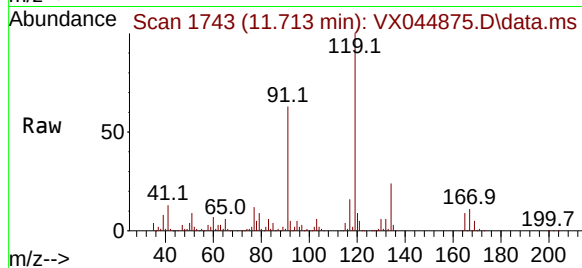
134 23.0 11.5 34.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#84

1,2,4-Trimethylbenzene

Concen: 51.593 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044875.D

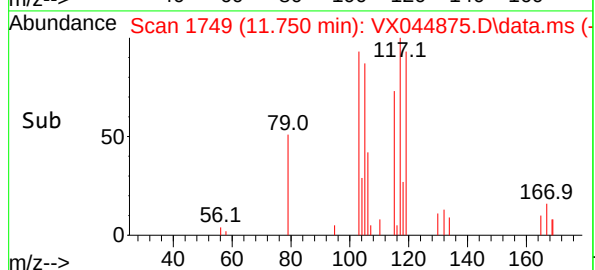
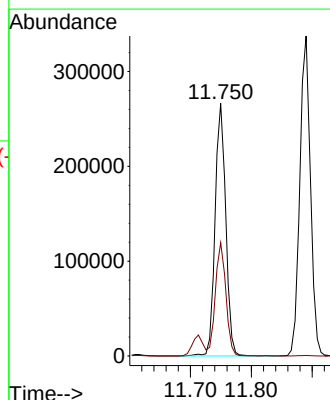
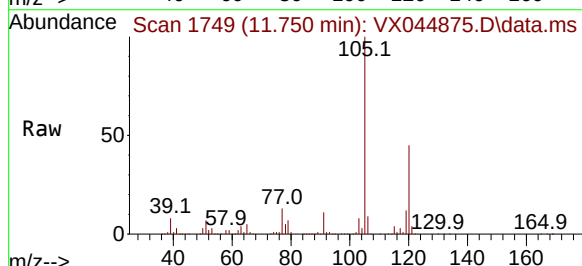
Acq: 10 Feb 2025 13:15

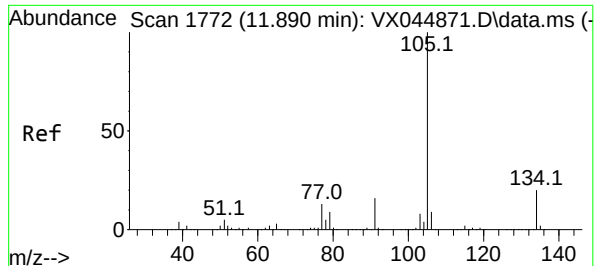
Tgt Ion:105 Resp: 323035

Ion Ratio Lower Upper

105 100

120 44.4 22.4 67.0





#85

sec-Butylbenzene

Concen: 51.617 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion:105 Resp: 41019

Ion Ratio Lower Upper

105 100

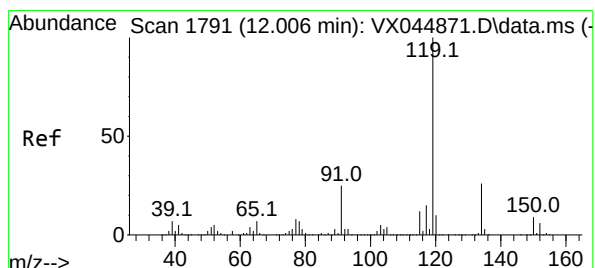
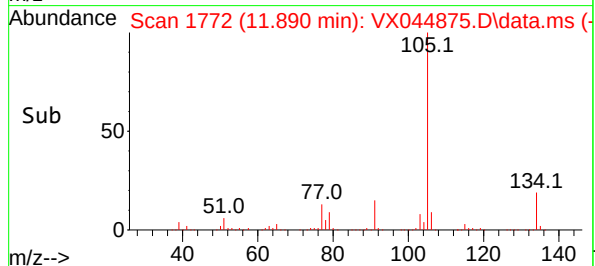
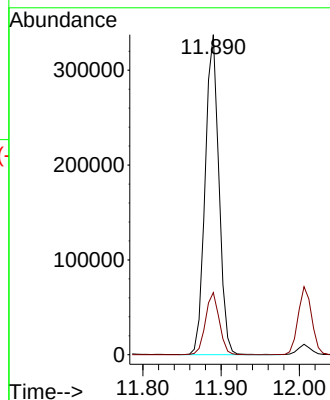
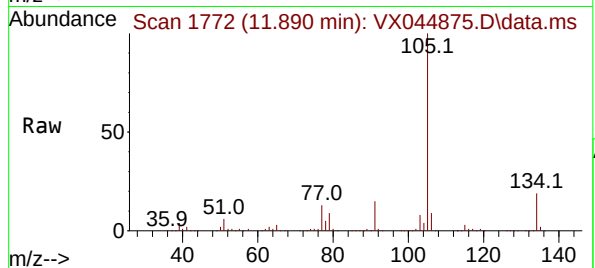
134 19.5 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#86

p-Isopropyltoluene

Concen: 52.581 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

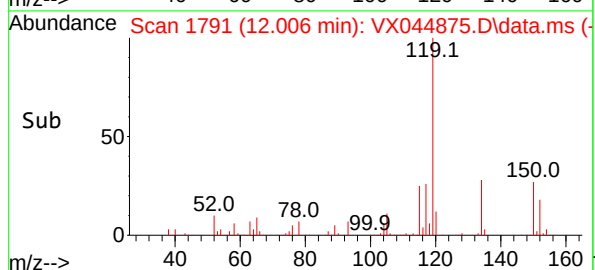
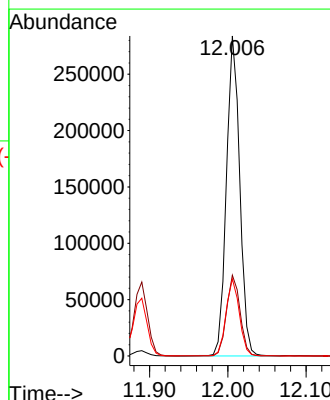
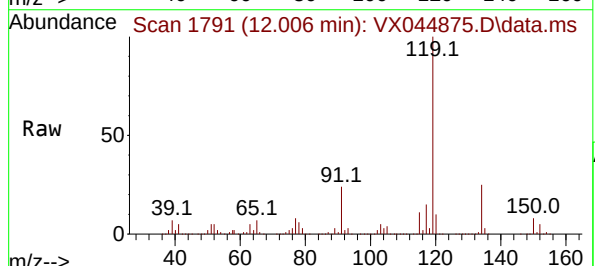
Tgt Ion:119 Resp: 336027

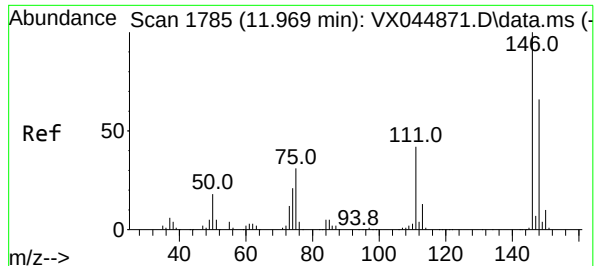
Ion Ratio Lower Upper

119 100

134 25.7 13.0 38.9

91 24.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 50.475 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

Tgt Ion:146 Resp: 164508

Ion Ratio Lower Upper

146 100

111 42.0 21.2 63.6

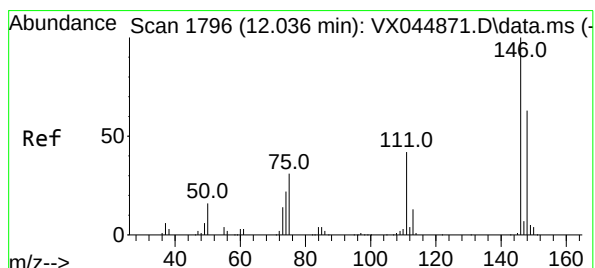
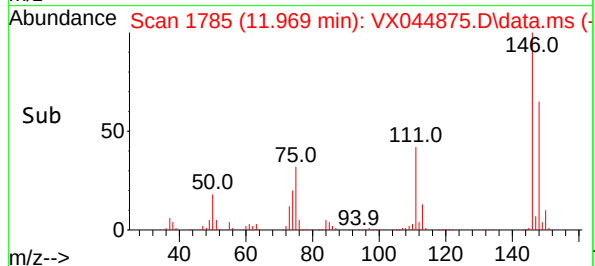
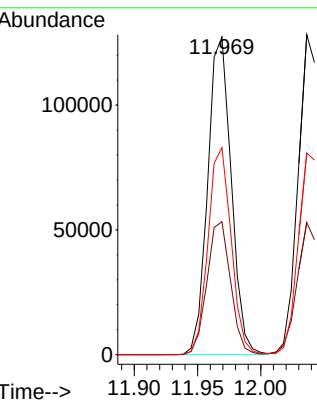
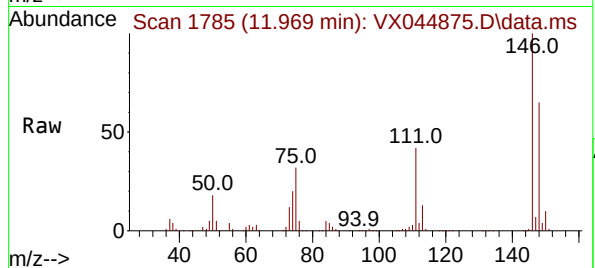
148 64.3 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#88

1,4-Dichlorobenzene

Concen: 49.526 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

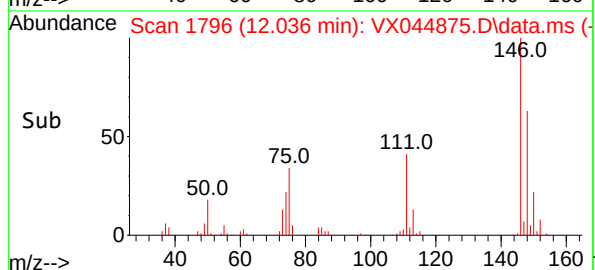
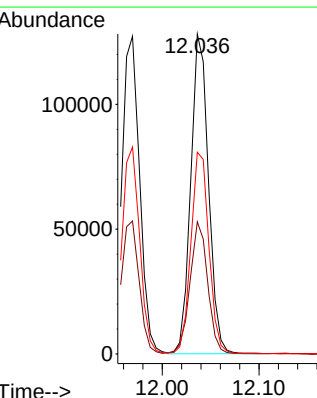
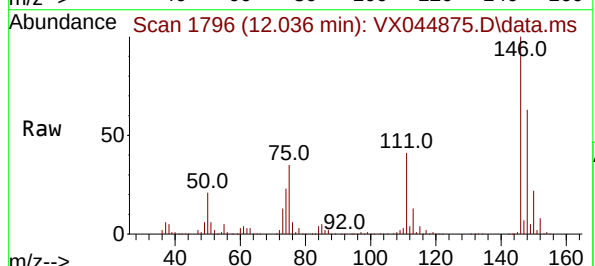
Tgt Ion:146 Resp: 163203

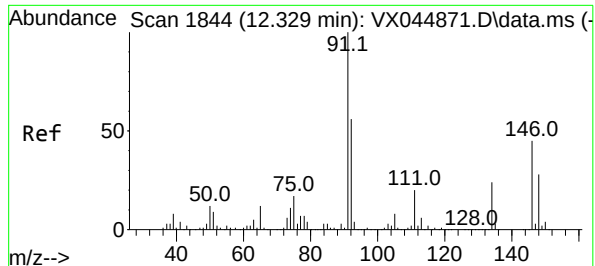
Ion Ratio Lower Upper

146 100

111 41.3 20.4 61.3

148 64.2 32.0 96.0





#89

n-Butylbenzene

Concen: 55.142 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

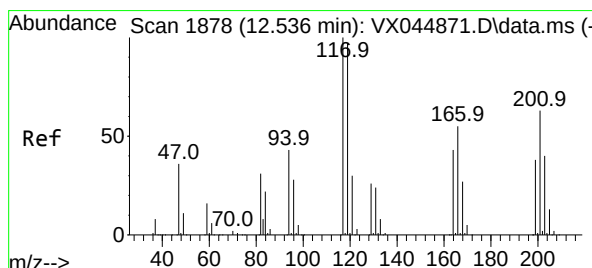
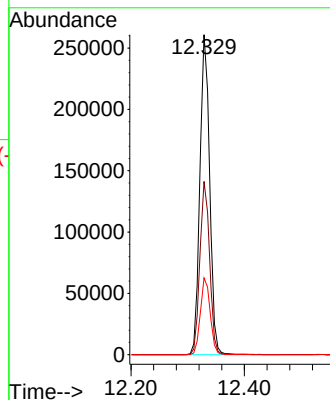
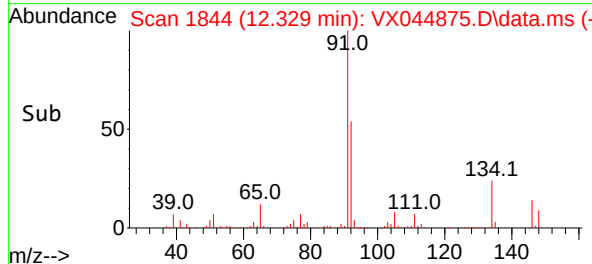
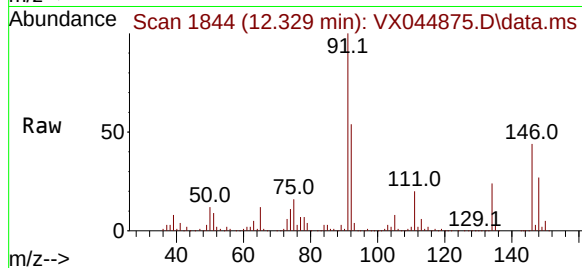
ICVX021025

Tgt Ion: 91 Resp: 311764
Ion Ratio Lower Upper
91 100
92 54.1 27.2 81.6
134 24.1 12.1 36.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025



#90

Hexachloroethane

Concen: 50.990 ug/l

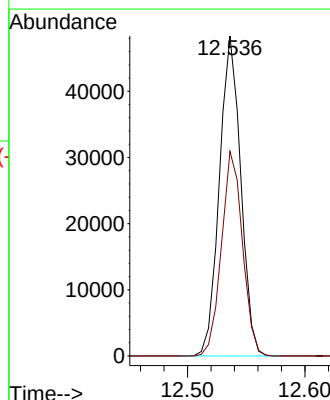
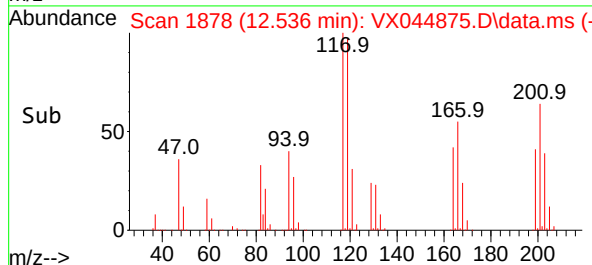
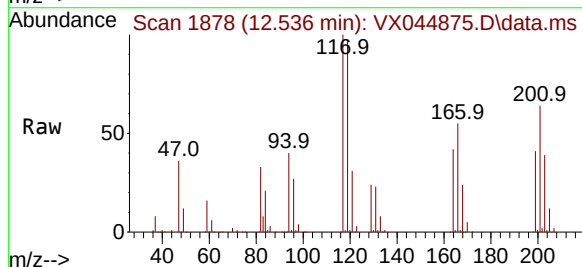
RT: 12.536 min Scan# 1878

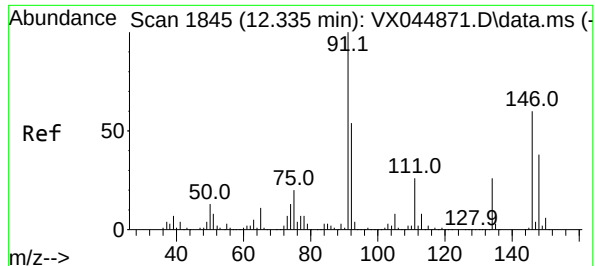
Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

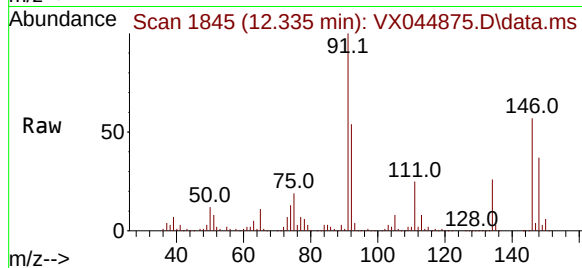
Tgt Ion:117 Resp: 61016
Ion Ratio Lower Upper
117 100
201 63.1 32.5 97.5





#91
1,2-Dichlorobenzene
Concen: 50.447 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

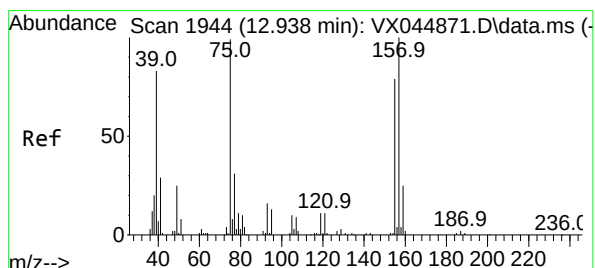
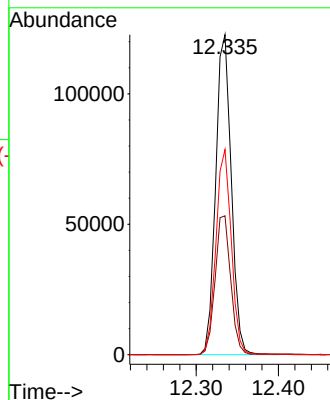
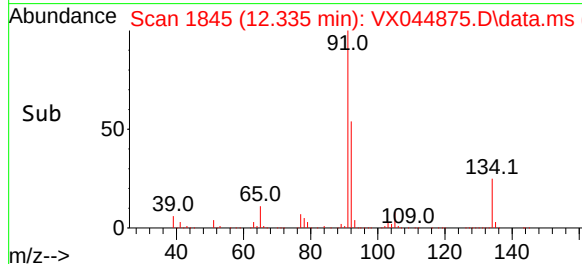
Instrument :
MSVOA_X
ClientSampleId :
ICVX021025



Tgt Ion:146 Resp: 161590
Ion Ratio Lower Upper
146 100
111 43.7 21.8 65.4
148 63.3 31.9 95.9

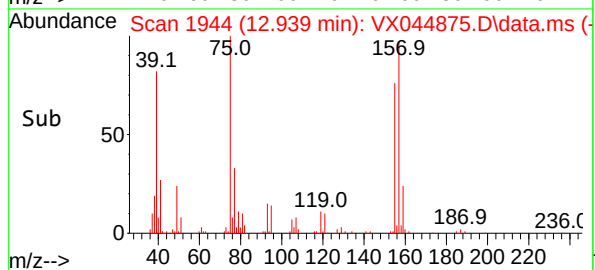
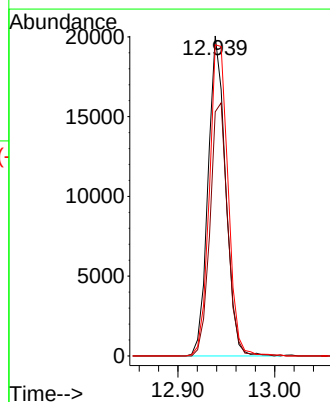
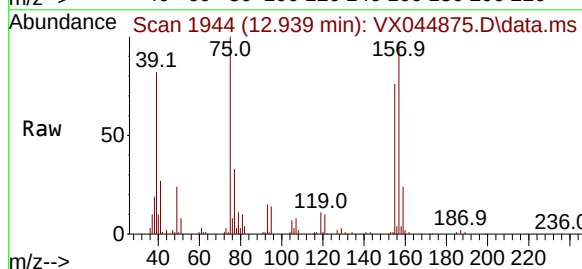
Manual Integrations
APPROVED

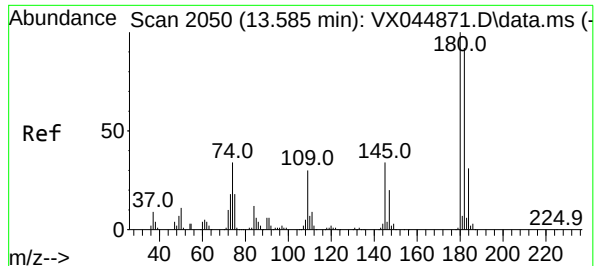
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 51.684 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 25339
Ion Ratio Lower Upper
75 100
155 79.5 40.5 121.4
157 103.5 51.4 154.3





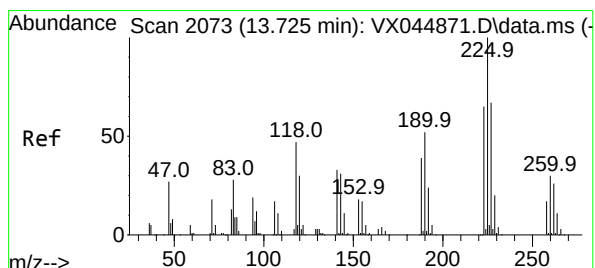
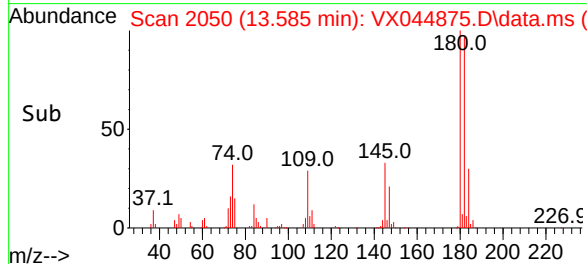
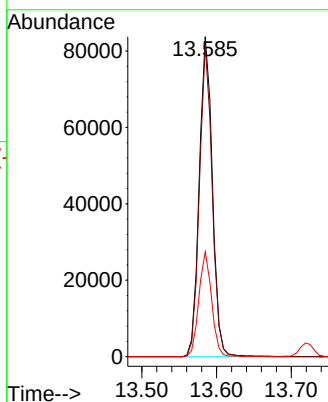
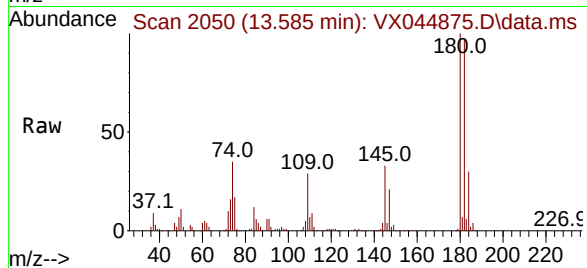
#93
1,2,4-Trichlorobenzene
Concen: 52.726 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.6	142.8
145	31.9	16.4	49.1

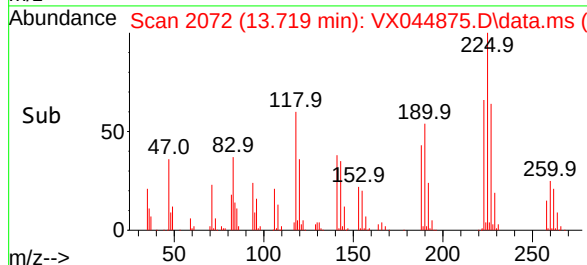
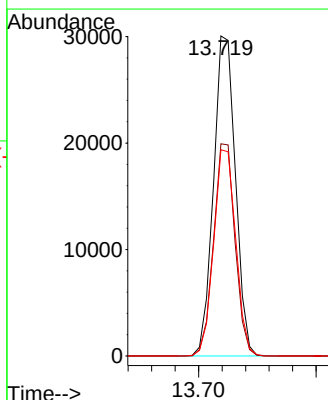
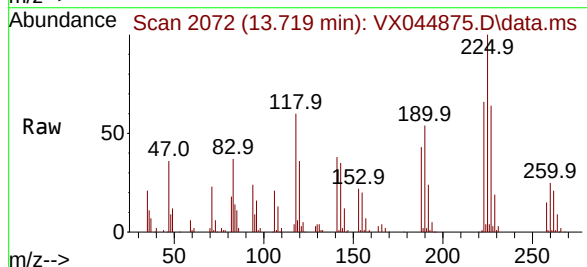
Manual Integrations
APPROVED

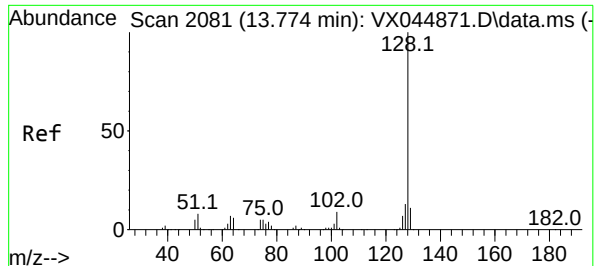
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#94
Hexachlorobutadiene
Concen: 50.683 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

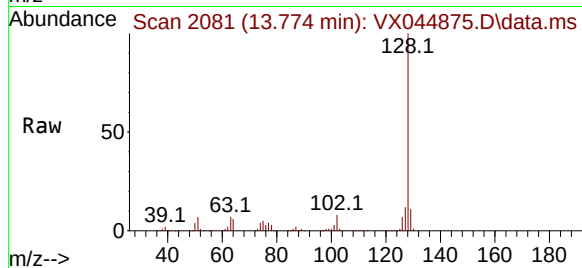
Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.4	94.2
227	64.8	32.3	96.8





#95
Naphthalene
Concen: 53.033 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

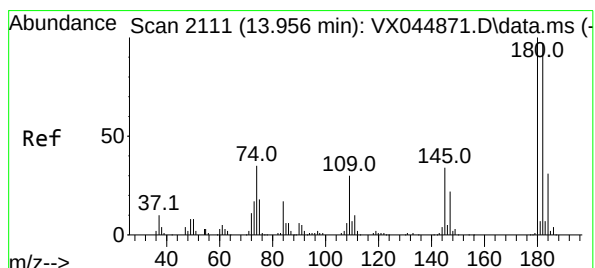
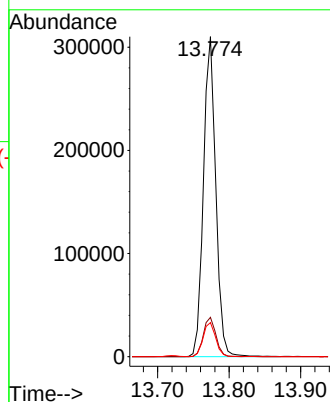
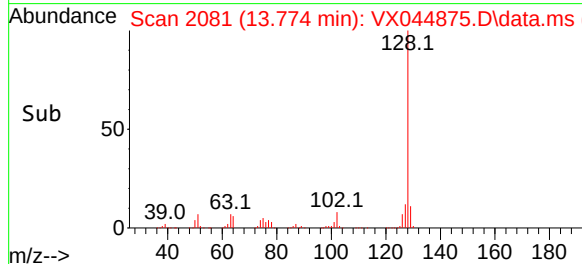
Instrument :
MSVOA_X
ClientSampleId :
ICVX021025



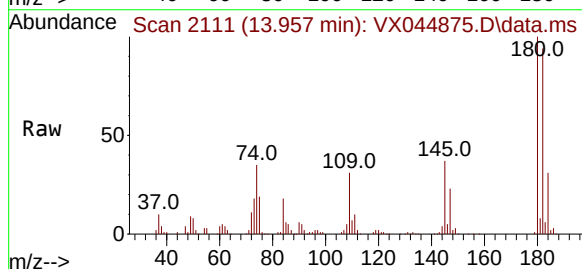
Tgt Ion:128 Resp: 371570
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.9 8.9 13.3

Manual Integrations
APPROVED

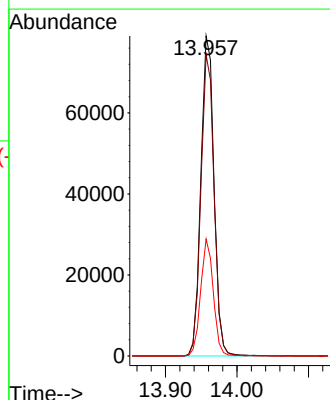
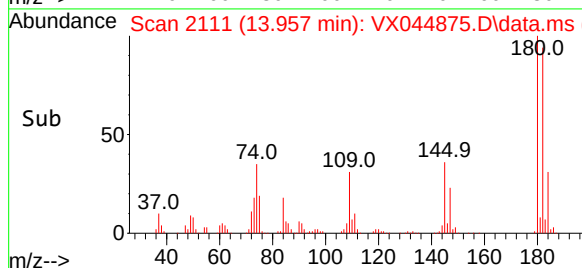
Reviewed By :John Carlone 02/11/2025
Supervised By :Mahesh Dadoda 02/11/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.575 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15



Tgt Ion:180 Resp: 100730
Ion Ratio Lower Upper
180 100
182 94.3 47.9 143.6
145 35.2 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 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	106	0.00
2 T	Dichlorodifluoromethane	0.701	0.690	1.6	105	0.00
3 P	Chloromethane	0.854	0.812	4.9	102	0.00
4 C	Vinyl Chloride	0.827	0.778	5.9#	102	0.00
5 T	Bromomethane	0.247	0.231	6.5	99	0.00
6 T	Chloroethane	0.307	0.279	9.1	87	0.00
7 T	Trichlorofluoromethane	1.046	1.016	2.9	105	0.00
8 T	Diethyl Ether	0.379	0.361	4.7	102	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.632	0.639	-1.1	109	0.00
10 T	Methyl Iodide	0.819	0.820	-0.1	103	0.00
11 T	Tert butyl alcohol	0.136	0.137	-0.7	107	0.00
12 CM	1,1-Dichloroethene	0.644	0.618	4.0#	104	0.00
13 T	Acrolein	0.140	0.135	3.6	101	0.00
14 T	Allyl chloride	1.165	1.141	2.1	105	0.00
15 T	Acrylonitrile	0.363	0.365	-0.6	102	0.00
16 T	Acetone	0.294	0.303	-3.1	110	0.00
17 T	Carbon Disulfide	1.767	1.749	1.0	105	0.00
18 T	Methyl Acetate	0.928	0.927	0.1	104	0.00
19 T	Methyl tert-butyl Ether	2.050	2.028	1.1	105	0.00
20 T	Methylene Chloride	0.721	0.692	4.0	104	0.00
21 T	trans-1,2-Dichloroethene	0.634	0.623	1.7	103	0.00
22 T	Diisopropyl ether	2.203	2.210	-0.3	105	0.00
23 T	Vinyl Acetate	1.796	1.850	-3.0	106	0.00
24 P	1,1-Dichloroethane	1.233	1.216	1.4	105	0.00
25 T	2-Butanone	0.478	0.493	-3.1	104	0.00
26 T	2,2-Dichloropropane	0.978	0.983	-0.5	110	0.00
27 T	cis-1,2-Dichloroethene	0.762	0.754	1.0	106	0.00
28 T	Bromochloromethane	0.593	0.536	9.6	98	0.00
29 T	Tetrahydrofuran	0.317	0.321	-1.3	104	0.00
30 C	Chloroform	1.196	1.157	3.3#	105	0.00
31 T	Cyclohexane	1.137	1.119	1.6	106	0.00
32 T	1,1,1-Trichloroethane	1.014	0.990	2.4	105	0.00
33 S	1,2-Dichloroethane-d4	0.732	0.704	3.8	103	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35 S	Dibromofluoromethane	0.325	0.320	1.5	105	0.00
36 T	1,1-Dichloropropene	0.469	0.457	2.6	103	0.00
37 T	Ethyl Acetate	0.522	0.514	1.5	102	0.00
38 T	Carbon Tetrachloride	0.460	0.451	2.0	104	0.00
39 T	Methylcyclohexane	0.606	0.646	-6.6	109	0.00
40 TM	Benzene	1.465	1.462	0.2	104	0.00
41 T	Methacrylonitrile	0.279	0.300	-7.5	104	0.00
42 TM	1,2-Dichloroethane	0.467	0.471	-0.9	105	0.00
43 T	Isopropyl Acetate	0.842	0.873	-3.7	104	0.00
44 TM	Trichloroethene	0.335	0.334	0.3	105	0.00
45 C	1,2-Dichloropropane	0.364	0.367	-0.8#	105	0.00
46 T	Dibromomethane	0.253	0.250	1.2	103	0.00
47 T	Bromodichloromethane	0.489	0.499	-2.0	105	0.00
48 T	Methyl methacrylate	0.397	0.420	-5.8	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 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	101	0.00
50 S	Toluene-d8	1.229	1.221	0.7	103	0.00
51 T	4-Methyl-2-Pentanone	0.512	0.543	-6.1	103	0.00
52 CM	Toluene	0.872	0.884	-1.4#	103	0.00
53 T	t-1,3-Dichloropropene	0.495	0.532	-7.5	109	0.00
54 T	cis-1,3-Dichloropropene	0.552	0.585	-6.0	106	0.00
55 T	1,1,2-Trichloroethane	0.335	0.341	-1.8	105	0.00
56 T	Ethyl methacrylate	0.542	0.586	-8.1	106	0.00
57 T	1,3-Dichloropropane	0.587	0.597	-1.7	103	0.00
58 T	2-Chloroethyl Vinyl ether	0.266	0.302	-13.5	110	0.00
59 T	2-Hexanone	0.369	0.398	-7.9	103	0.00
60 T	Dibromochloromethane	0.359	0.371	-3.3	104	0.00
61 T	1,2-Dibromoethane	0.340	0.350	-2.9	105	0.00
62 S	4-Bromofluorobenzene	0.414	0.429	-3.6	104	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64 T	Tetrachloroethene	0.315	0.312	1.0	105	0.00
65 PM	Chlorobenzene	1.074	1.094	-1.9	104	0.00
66 T	1,1,1,2-Tetrachloroethane	0.346	0.354	-2.3	104	0.00
67 C	Ethyl Benzene	1.895	1.949	-2.8#	105	0.00
68 T	m/p-Xylenes	0.699	0.729	-4.3	105	0.00
69 T	o-Xylene	0.701	0.713	-1.7	105	0.00
70 T	Styrene	1.130	1.210	-7.1	105	0.00
71 P	Bromoform	0.258	0.279	-8.1	103	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73 T	Isopropylbenzene	4.026	4.020	0.1	104	0.00
74 T	N-amyl acetate	1.822	1.917	-5.2	106	0.00
75 P	1,1,2,2-Tetrachloroethane	1.383	1.337	3.3	103	0.00
76 T	1,2,3-Trichloropropane	1.109	1.101	0.7	104	0.00
77 T	Bromobenzene	0.913	0.908	0.5	104	0.00
78 T	n-propylbenzene	4.647	4.776	-2.8	106	0.00
79 T	2-Chlorotoluene	2.856	2.803	1.9	103	0.00
80 T	1,3,5-Trimethylbenzene	3.267	3.329	-1.9	105	0.00
81 T	trans-1,4-Dichloro-2-butene	0.431	0.454	-5.3	109	0.00
82 T	4-Chlorotoluene	3.160	3.215	-1.7	105	0.00
83 T	tert-Butylbenzene	3.305	3.314	-0.3	105	0.00
84 T	1,2,4-Trimethylbenzene	3.225	3.327	-3.2	104	0.00
85 T	sec-Butylbenzene	4.093	4.225	-3.2	107	0.00
86 T	p-Isopropyltoluene	3.291	3.461	-5.2	107	0.00
87 T	1,3-Dichlorobenzene	1.678	1.694	-1.0	106	0.00
88 T	1,4-Dichlorobenzene	1.697	1.681	0.9	105	0.00
89 T	n-Butylbenzene	2.912	3.211	-10.3	108	0.00
90 T	Hexachloroethane	0.616	0.628	-1.9	107	0.00
91 T	1,2-Dichlorobenzene	1.650	1.664	-0.8	105	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.252	0.261	-3.6	106	0.00
93 T	1,2,4-Trichlorobenzene	0.998	1.053	-5.5	109	0.00
94 T	Hexachlorobutadiene	0.396	0.402	-1.5	110	0.00
95 T	Naphthalene	3.608	3.827	-6.1	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 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	1.006	1.038	-3.2	105	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 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	106	0.00
2 T	Dichlorodifluoromethane	50.000	49.173	1.7	105	0.00
3 P	Chloromethane	50.000	47.590	4.8	102	0.00
4 C	Vinyl Chloride	50.000	47.033	5.9#	102	0.00
5 T	Bromomethane	50.000	46.719	6.6	99	0.00
6 T	Chloroethane	50.000	42.198	15.6	87	0.00
7 T	Trichlorofluoromethane	50.000	48.558	2.9	105	0.00
8 T	Diethyl Ether	50.000	47.544	4.9	102	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	50.588	-1.2	109	0.00
10 T	Methyl Iodide	50.000	50.082	-0.2	103	0.00
11 T	Tert butyl alcohol	250.000	251.791	-0.7	107	0.00
12 CM	1,1-Dichloroethene	50.000	47.935	4.1#	104	0.00
13 T	Acrolein	250.000	240.879	3.6	101	0.00
14 T	Allyl chloride	50.000	48.976	2.0	105	0.00
15 T	Acrylonitrile	250.000	251.537	-0.6	102	0.00
16 T	Acetone	250.000	257.198	-2.9	110	0.00
17 T	Carbon Disulfide	50.000	49.472	1.1	105	0.00
18 T	Methyl Acetate	50.000	49.920	0.2	104	0.00
19 T	Methyl tert-butyl Ether	50.000	49.453	1.1	105	0.00
20 T	Methylene Chloride	50.000	47.978	4.0	104	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.129	1.7	103	0.00
22 T	Diisopropyl ether	50.000	50.138	-0.3	105	0.00
23 T	Vinyl Acetate	250.000	257.465	-3.0	106	0.00
24 P	1,1-Dichloroethane	50.000	49.329	1.3	105	0.00
25 T	2-Butanone	250.000	258.175	-3.3	104	0.00
26 T	2,2-Dichloropropane	50.000	50.285	-0.6	110	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.493	1.0	106	0.00
28 T	Bromochloromethane	50.000	45.250	9.5	98	0.00
29 T	Tetrahydrofuran	250.000	253.318	-1.3	104	0.00
30 C	Chloroform	50.000	48.393	3.2#	105	0.00
31 T	Cyclohexane	50.000	49.211	1.6	106	0.00
32 T	1,1,1-Trichloroethane	50.000	48.825	2.3	105	0.00
33 S	1,2-Dichloroethane-d4	50.000	48.061	3.9	103	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35 S	Dibromofluoromethane	50.000	49.173	1.7	105	0.00
36 T	1,1-Dichloropropene	50.000	48.702	2.6	103	0.00
37 T	Ethyl Acetate	50.000	49.300	1.4	102	0.00
38 T	Carbon Tetrachloride	50.000	49.083	1.8	104	0.00
39 T	Methylcyclohexane	50.000	53.254	-6.5	109	0.00
40 TM	Benzene	50.000	49.919	0.2	104	0.00
41 T	Methacrylonitrile	50.000	53.741	-7.5	104	0.00
42 TM	1,2-Dichloroethane	50.000	50.410	-0.8	105	0.00
43 T	Isopropyl Acetate	50.000	51.798	-3.6	104	0.00
44 TM	Trichloroethene	50.000	49.917	0.2	105	0.00
45 C	1,2-Dichloropropane	50.000	50.387	-0.8#	105	0.00
46 T	Dibromomethane	50.000	49.540	0.9	103	0.00
47 T	Bromodichloromethane	50.000	50.980	-2.0	105	0.00
48 T	Methyl methacrylate	50.000	52.848	-5.7	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 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	1021.138	-2.1	101	0.00
50 S	Toluene-d8	50.000	49.649	0.7	103	0.00
51 T	4-Methyl-2-Pentanone	250.000	265.112	-6.0	103	0.00
52 CM	Toluene	50.000	50.680	-1.4#	103	0.00
53 T	t-1,3-Dichloropropene	50.000	53.731	-7.5	109	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.986	-6.0	106	0.00
55 T	1,1,2-Trichloroethane	50.000	50.811	-1.6	105	0.00
56 T	Ethyl methacrylate	50.000	54.068	-8.1	106	0.00
57 T	1,3-Dichloropropane	50.000	50.852	-1.7	103	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	284.352	-13.7	110	0.00
59 T	2-Hexanone	250.000	269.951	-8.0	103	0.00
60 T	Dibromochloromethane	50.000	51.673	-3.3	104	0.00
61 T	1,2-Dibromoethane	50.000	51.436	-2.9	105	0.00
62 S	4-Bromofluorobenzene	50.000	51.786	-3.6	104	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64 T	Tetrachloroethene	50.000	49.424	1.2	105	0.00
65 PM	Chlorobenzene	50.000	50.952	-1.9	104	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.205	-2.4	104	0.00
67 C	Ethyl Benzene	50.000	51.415	-2.8#	105	0.00
68 T	m/p-Xylenes	100.000	104.282	-4.3	105	0.00
69 T	o-Xylene	50.000	50.804	-1.6	105	0.00
70 T	Styrene	50.000	53.521	-7.0	105	0.00
71 P	Bromoform	50.000	53.997	-8.0	103	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73 T	Isopropylbenzene	50.000	49.921	0.2	104	0.00
74 T	N-ethyl acetate	50.000	52.621	-5.2	106	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	48.331	3.3	103	0.00
76 T	1,2,3-Trichloropropane	50.000	49.659	0.7	104	0.00
77 T	Bromobenzene	50.000	49.725	0.5	104	0.00
78 T	n-propylbenzene	50.000	51.386	-2.8	106	0.00
79 T	2-Chlorotoluene	50.000	49.065	1.9	103	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.956	-1.9	105	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	52.665	-5.3	109	0.00
82 T	4-Chlorotoluene	50.000	50.872	-1.7	105	0.00
83 T	tert-Butylbenzene	50.000	50.139	-0.3	105	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.593	-3.2	104	0.00
85 T	sec-Butylbenzene	50.000	51.617	-3.2	107	0.00
86 T	p-Isopropyltoluene	50.000	52.581	-5.2	107	0.00
87 T	1,3-Dichlorobenzene	50.000	50.475	-1.0	106	0.00
88 T	1,4-Dichlorobenzene	50.000	49.526	0.9	105	0.00
89 T	n-Butylbenzene	50.000	55.142	-10.3	108	0.00
90 T	Hexachloroethane	50.000	50.990	-2.0	107	0.00
91 T	1,2-Dichlorobenzene	50.000	50.447	-0.9	105	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	51.684	-3.4	106	0.00
93 T	1,2,4-Trichlorobenzene	50.000	52.726	-5.5	109	0.00
94 T	Hexachlorobutadiene	50.000	50.683	-1.4	110	0.00
95 T	Naphthalene	50.000	53.033	-6.1	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 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	51.575	-3.2	105	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 ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06
 Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG No.: Q1423
 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	
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	
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	
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	
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	
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	

* 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: TETR06
 Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG No.: Q1423
 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	
Dibromochloromethane	0.305	0.349	0.390	0.384	0.385	0.380	0.366	9	
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-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

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 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

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)
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

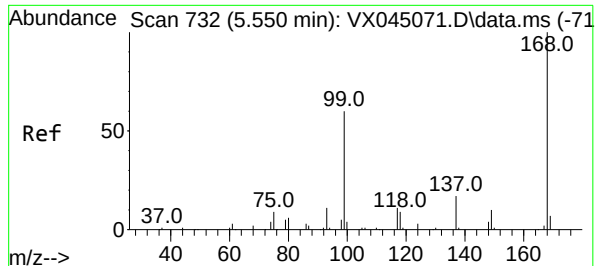
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations

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





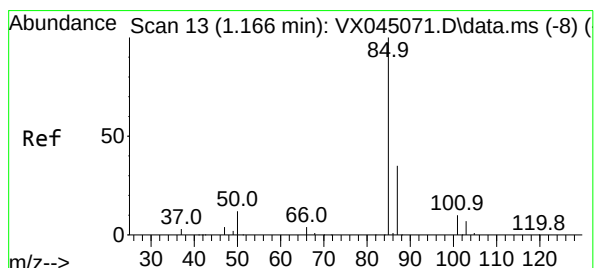
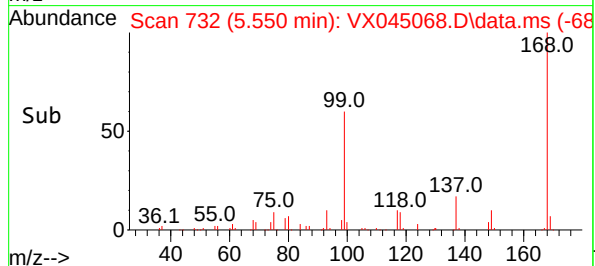
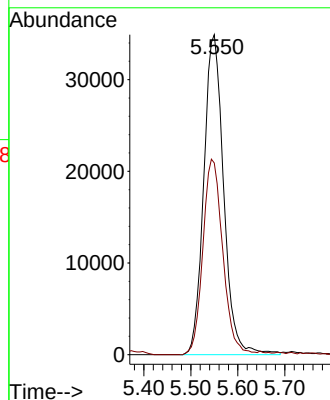
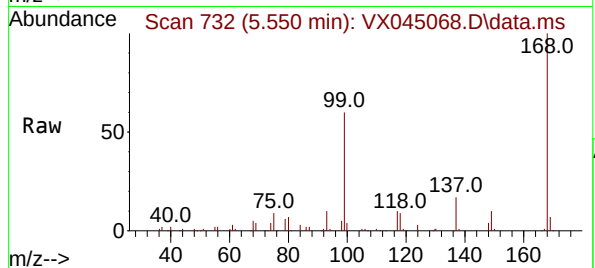
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Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

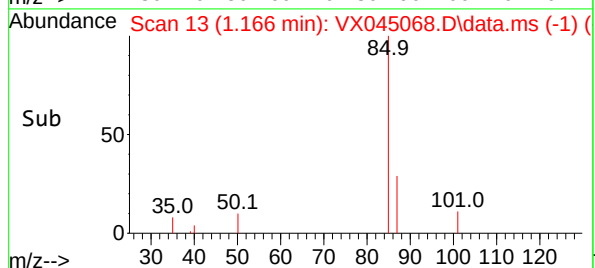
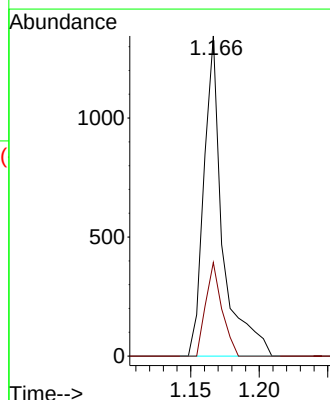
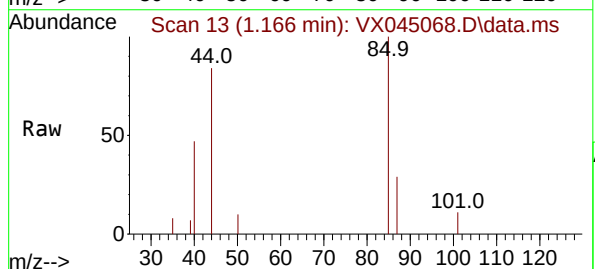
Manual Integrations
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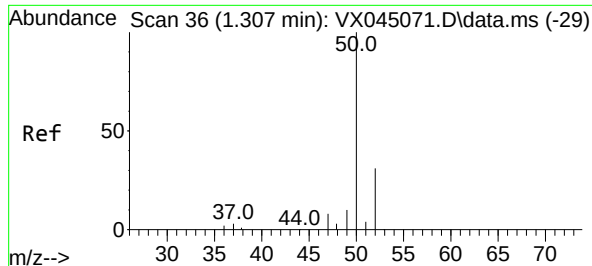
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





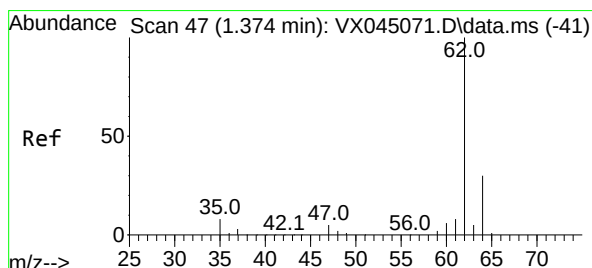
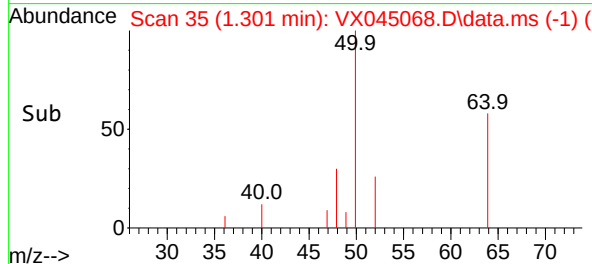
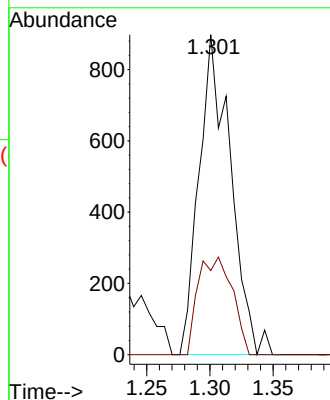
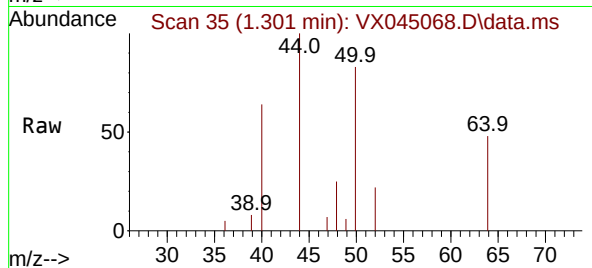
#3
Chloromethane
Concen: 0.975 ug/l
RT: 1.301 min Scan# 30
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

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

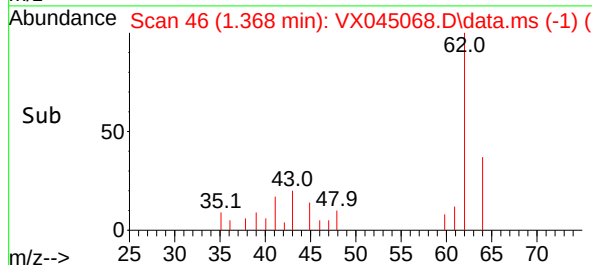
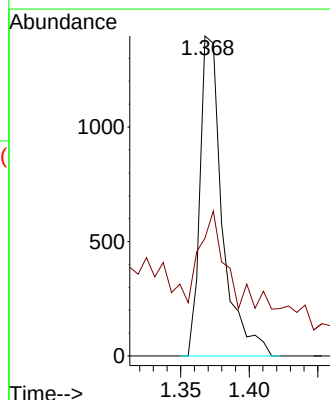
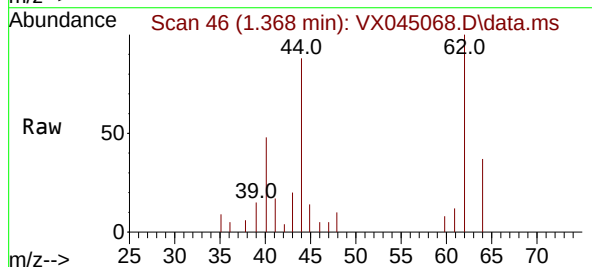
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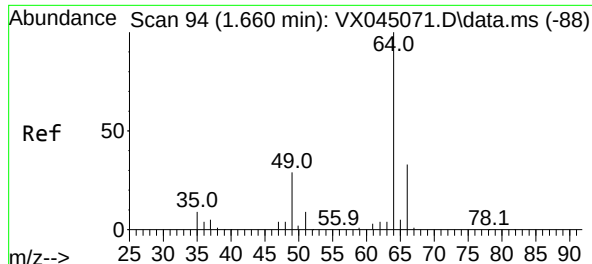
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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#





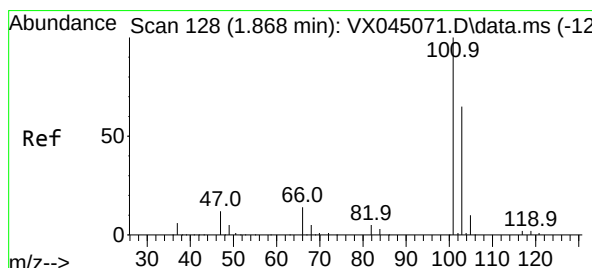
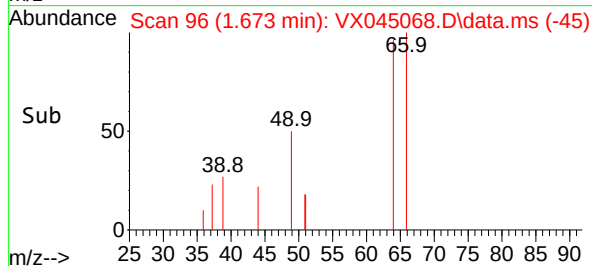
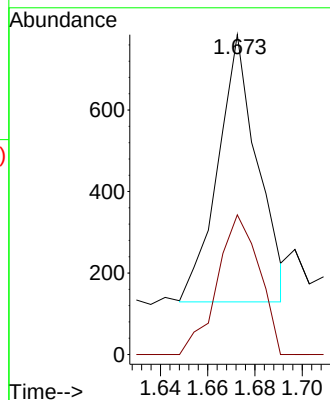
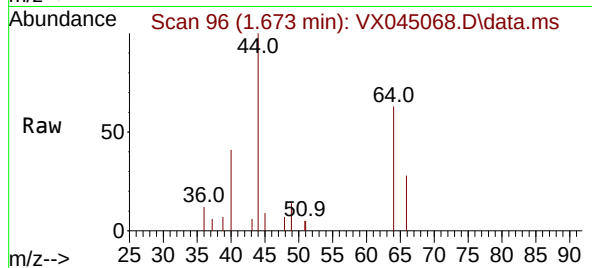
#6
Chloroethane
Concen: 0.992 ug/l m
RT: 1.673 min Scan# 94
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

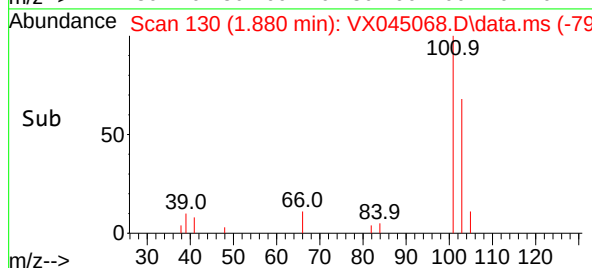
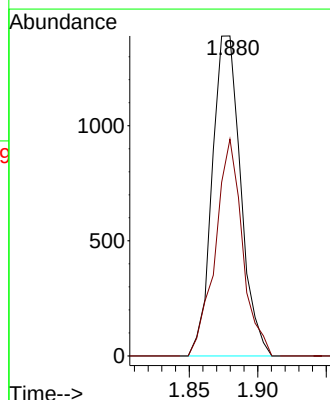
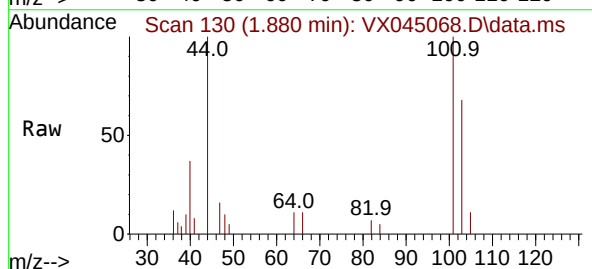
Manual Integrations
APPROVED

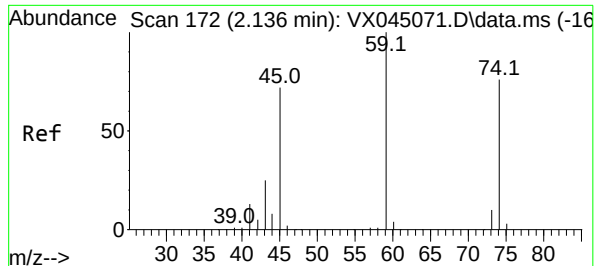
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

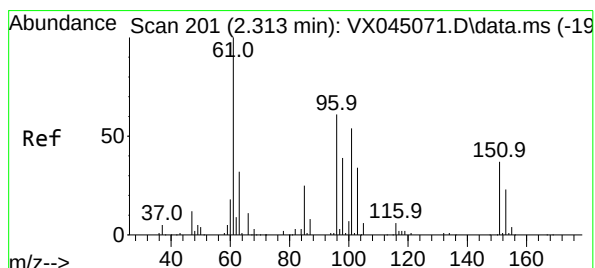
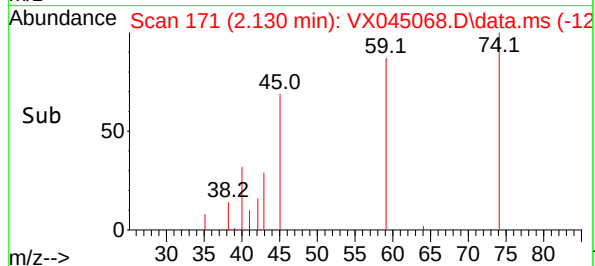
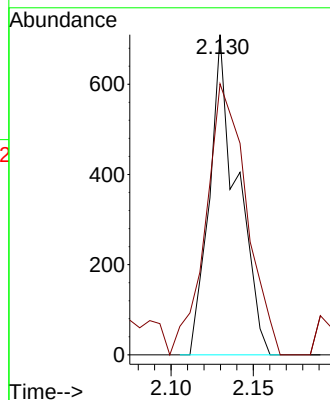
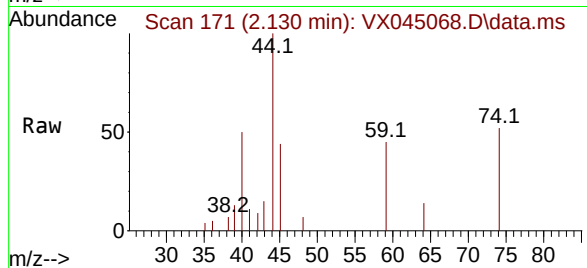
45 123.5 51.5 154.5

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

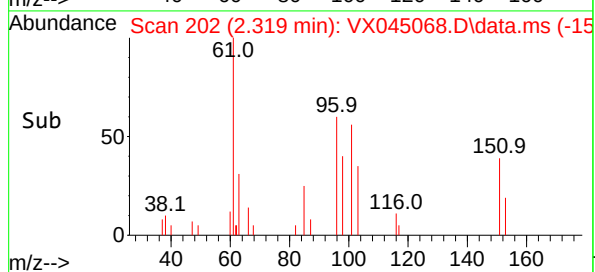
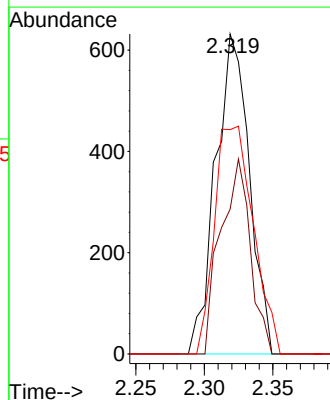
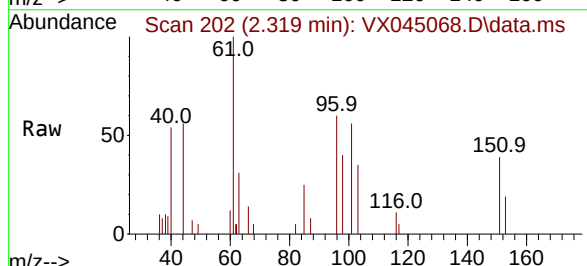
Tgt Ion:101 Resp: 1081

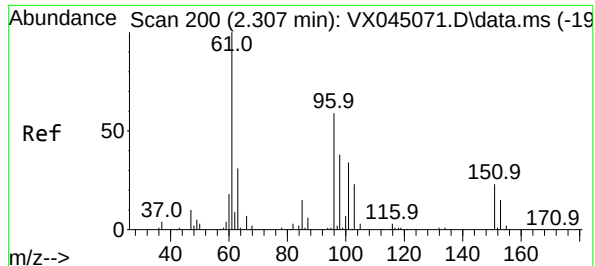
Ion Ratio Lower Upper

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# 201

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

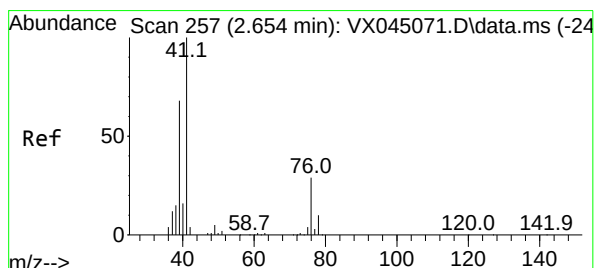
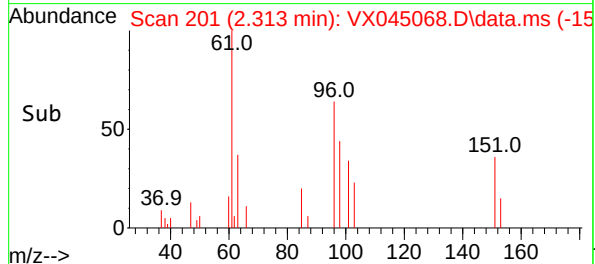
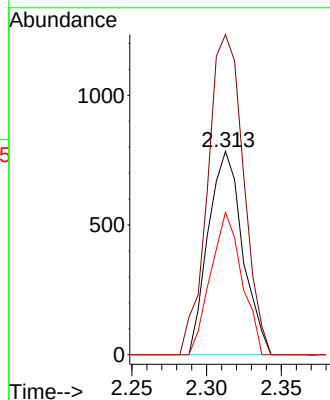
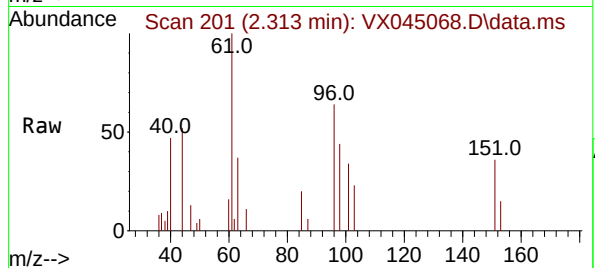
98 70.0 51.0 76.6

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

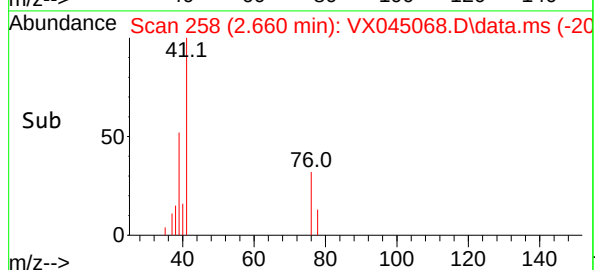
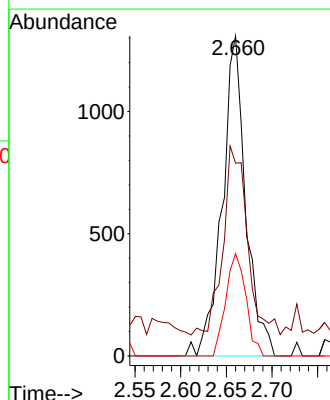
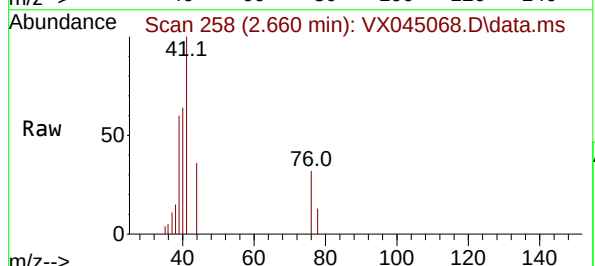
Tgt Ion: 41 Resp: 2343

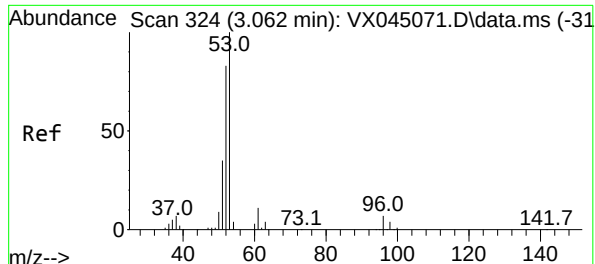
Ion Ratio Lower Upper

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 :

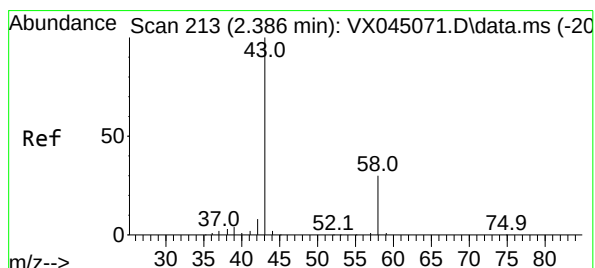
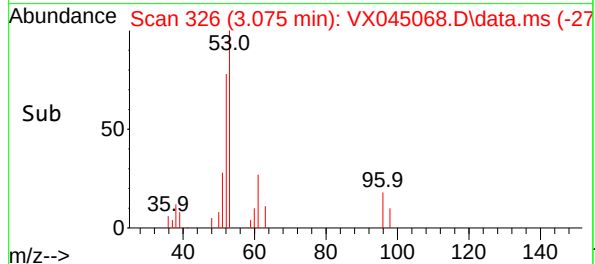
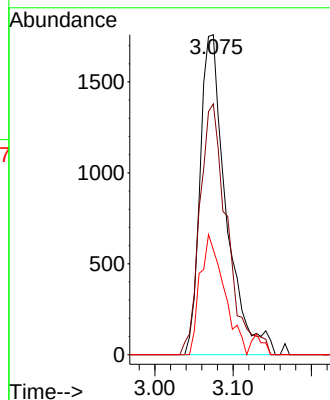
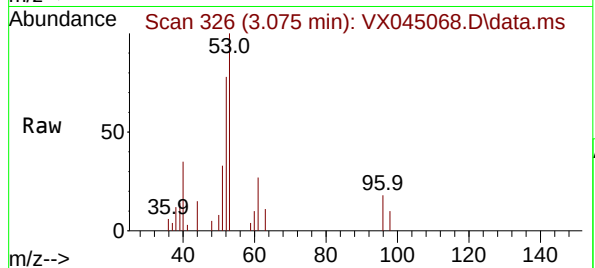
VSTDICC001

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

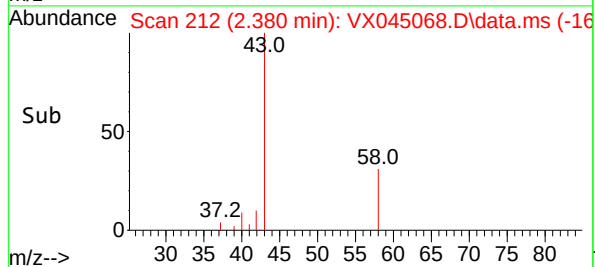
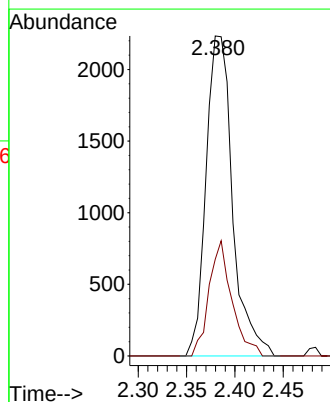
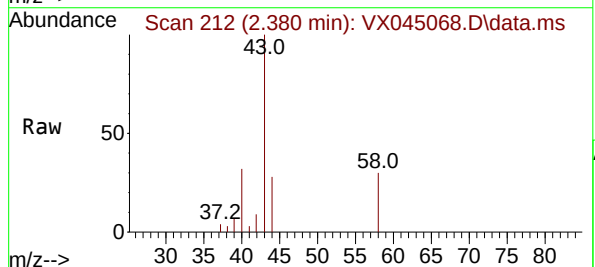
RT: 2.380 min Scan# 212

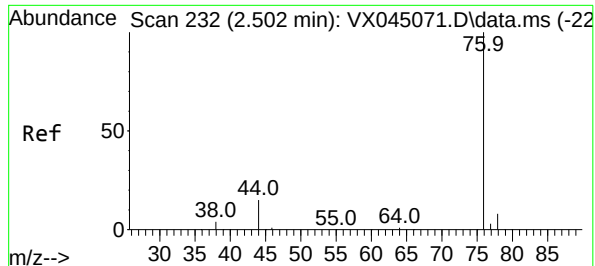
Delta R.T. -0.006 min

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

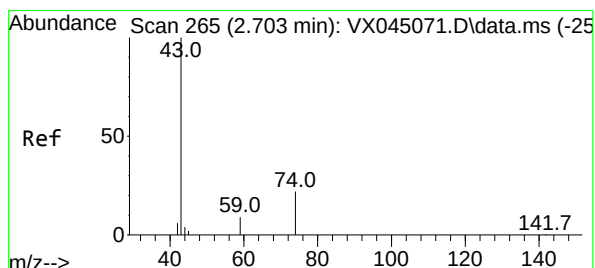
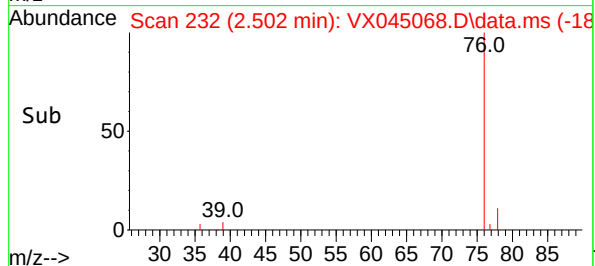
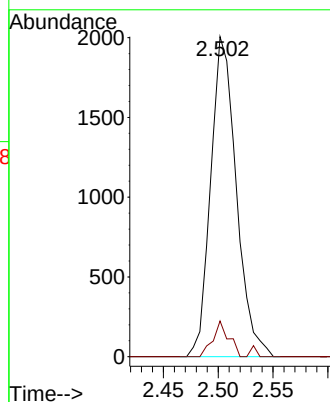
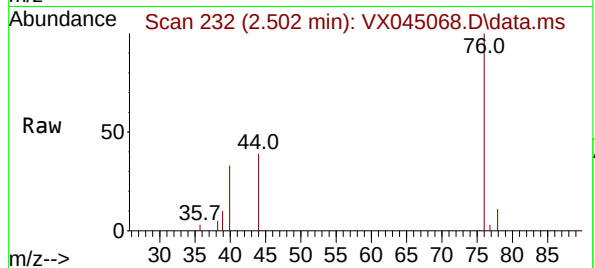
78 11.2 6.6 9.8

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

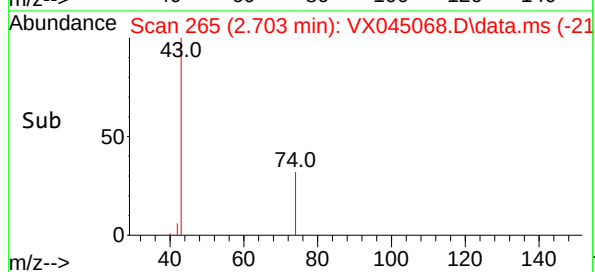
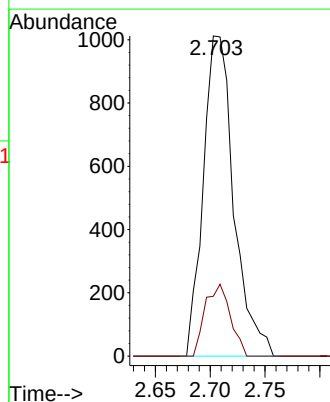
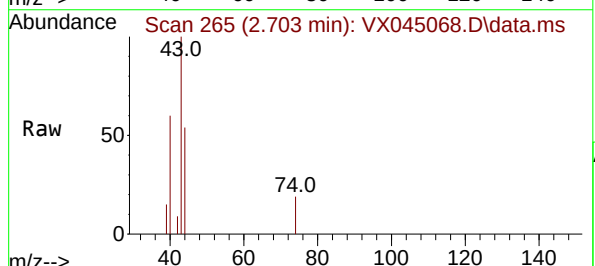
Acq: 28 Feb 2025 01:27

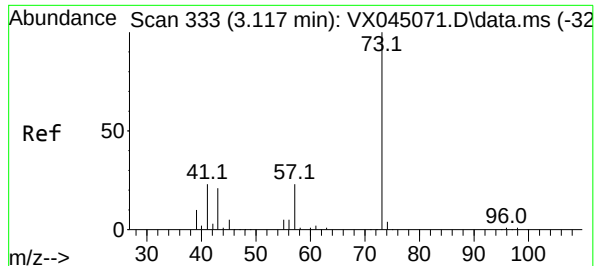
Tgt Ion: 43 Resp: 1960

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 :

VSTDIC001

Tgt Ion: 73 Resp: 401

Ion Ratio Lower Upper

73 100

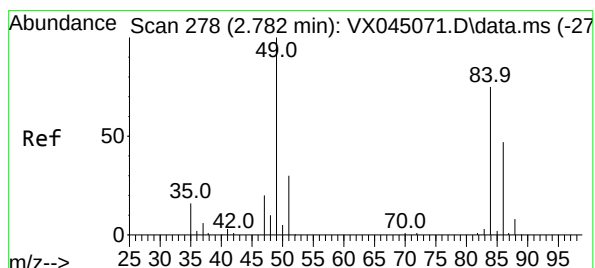
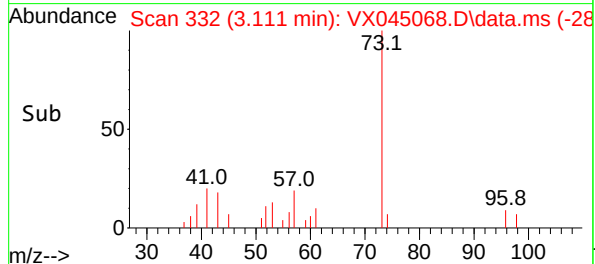
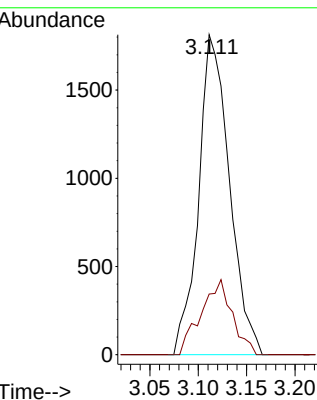
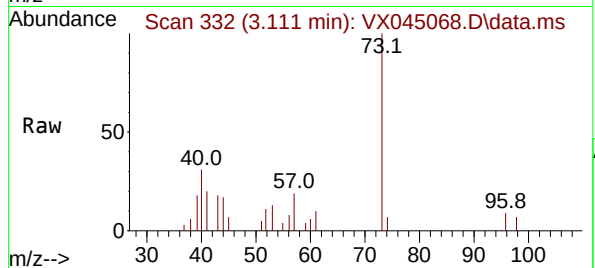
57 19.0 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#20

Methylene Chloride

Concen: 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

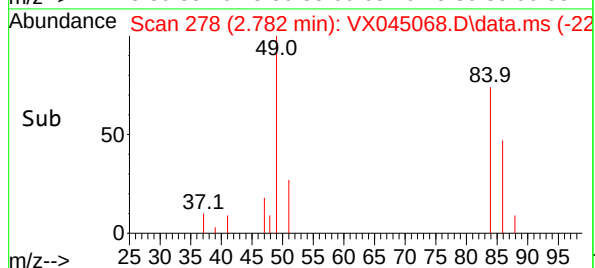
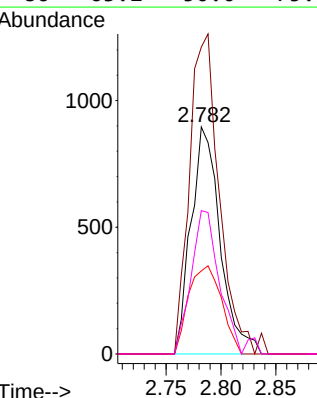
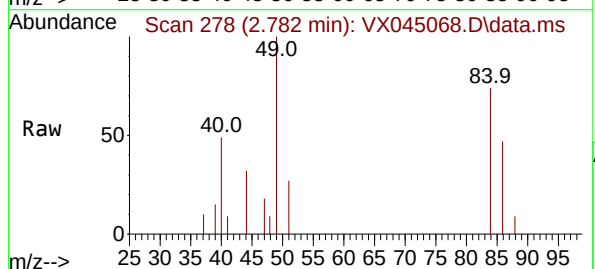
Ion Ratio Lower Upper

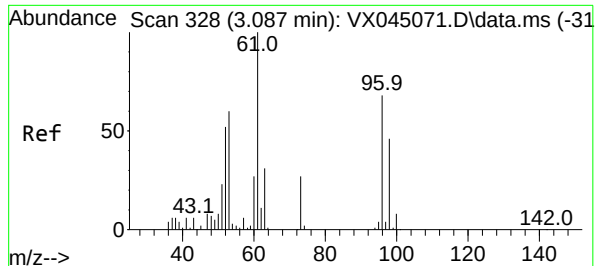
84 100

49 135.2 106.5 159.7

51 36.6 32.1 48.1

86 63.2 50.0 75.0





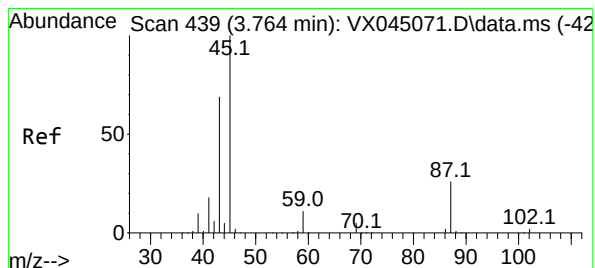
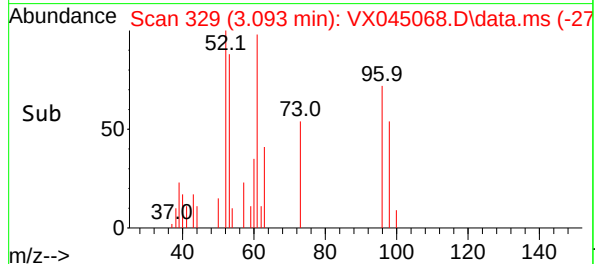
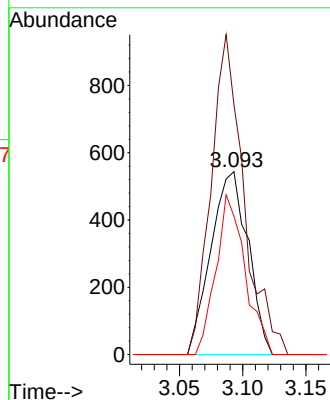
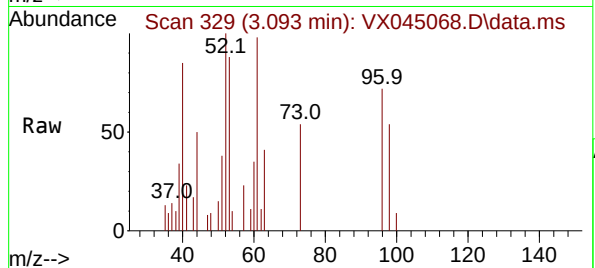
#21
trans-1,2-Dichloroethene
Concen: 0.869 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

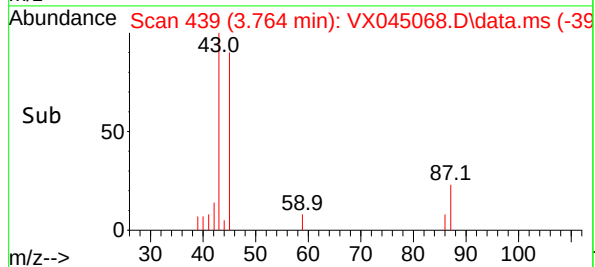
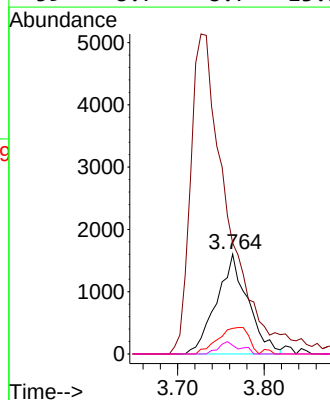
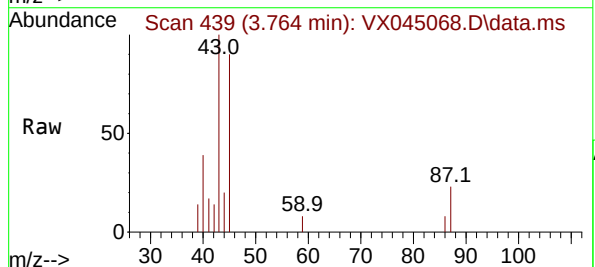
Manual Integrations
APPROVED

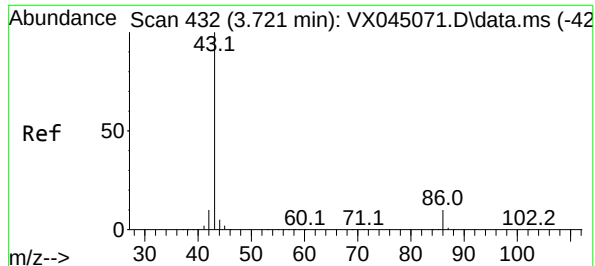
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





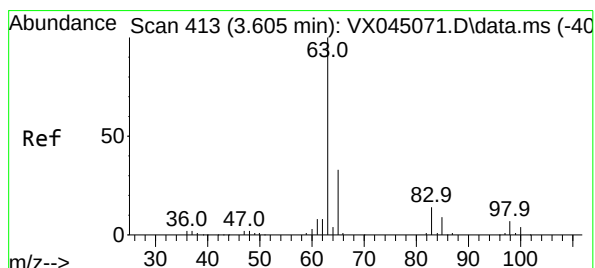
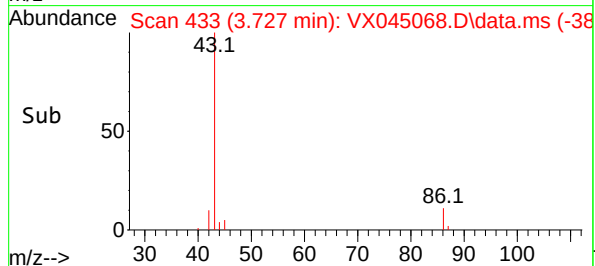
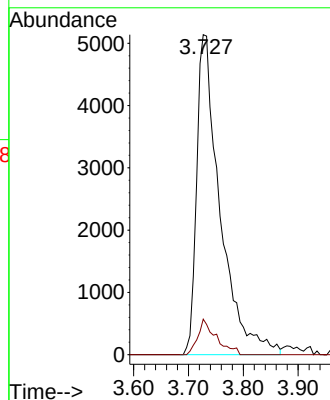
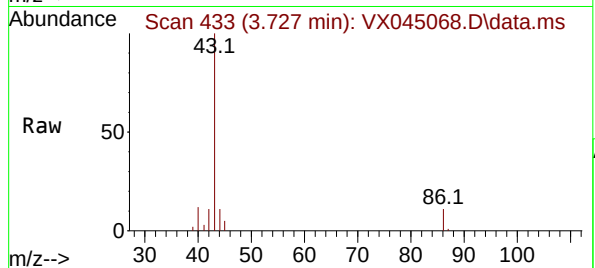
#23
Vinyl Acetate
Concen: 3.971 ug/l
RT: 3.727 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

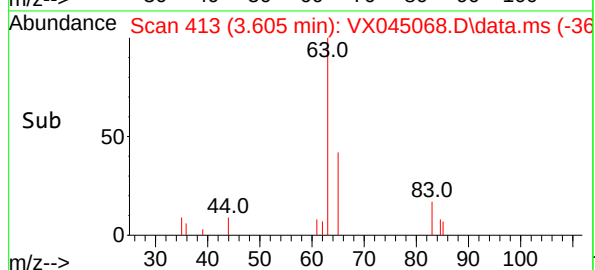
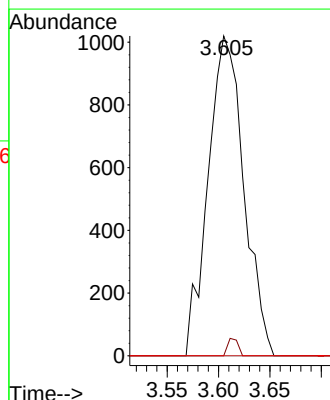
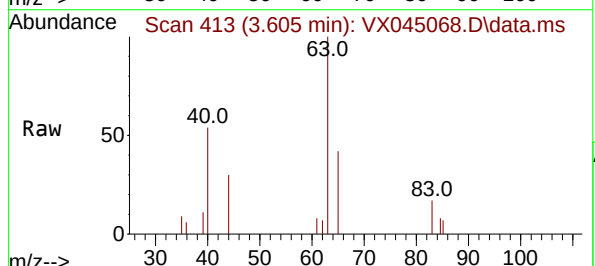
Manual Integrations
APPROVED

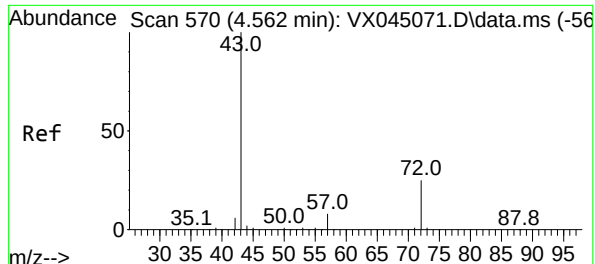
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

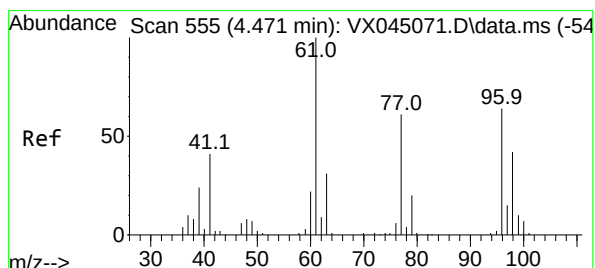
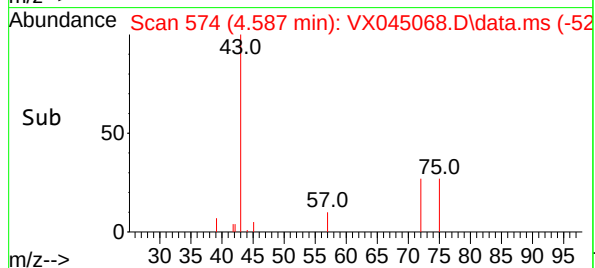
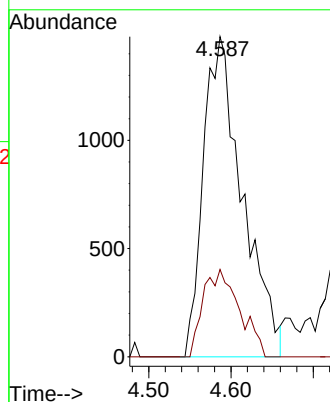
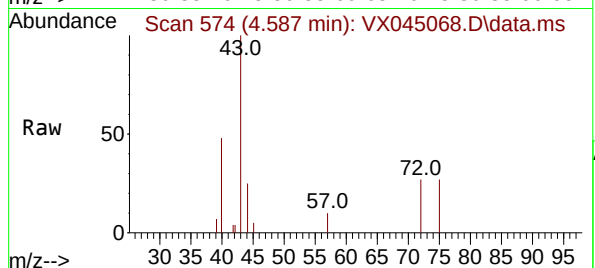
72 27.2 20.0 30.0

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

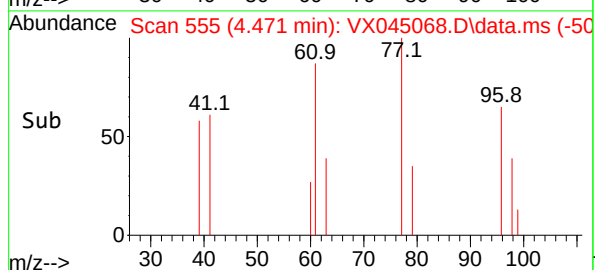
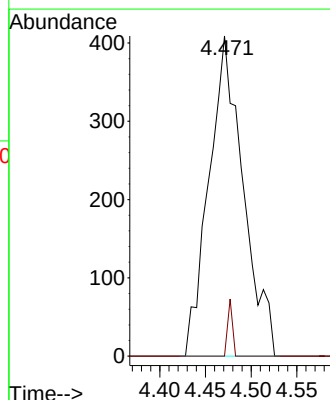
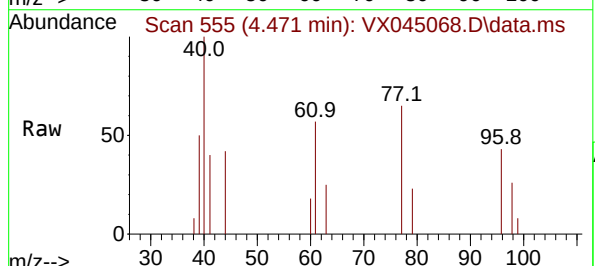
Acq: 28 Feb 2025 01:27

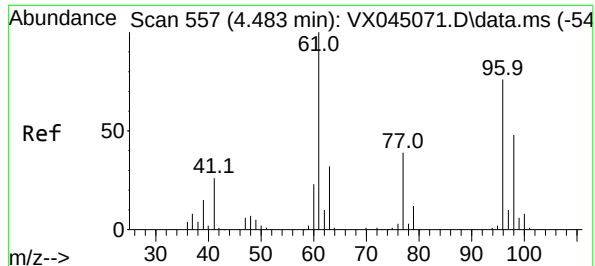
Tgt Ion: 77 Resp: 1066

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# 50

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

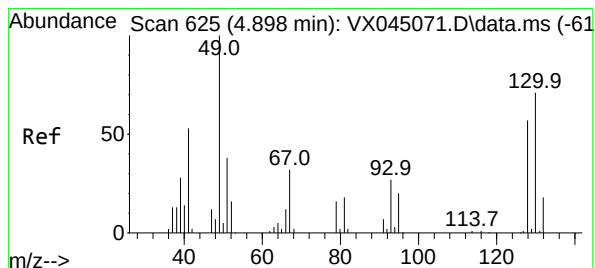
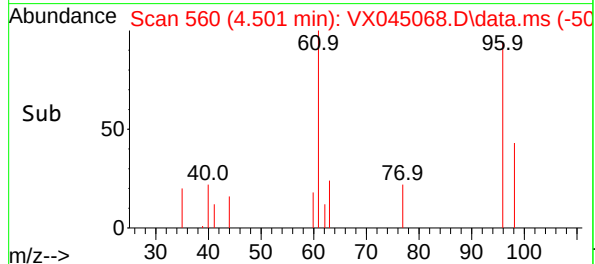
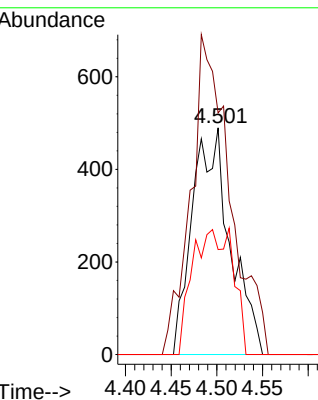
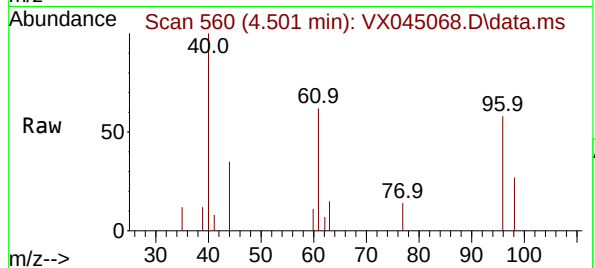
98 59.1 0.0 128.0

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

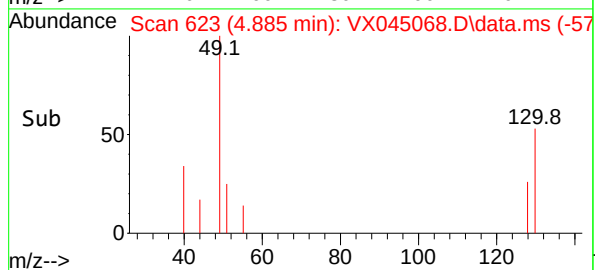
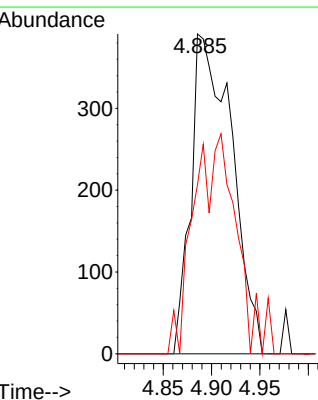
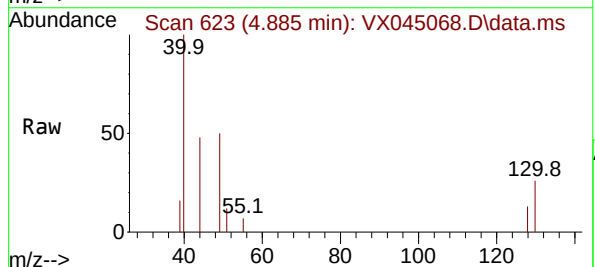
Tgt Ion: 49 Resp: 1144

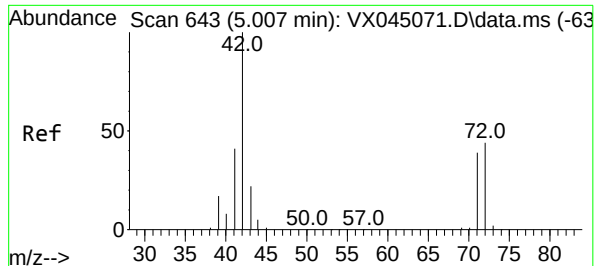
Ion Ratio Lower Upper

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 :

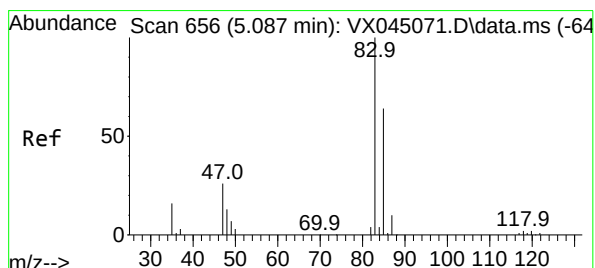
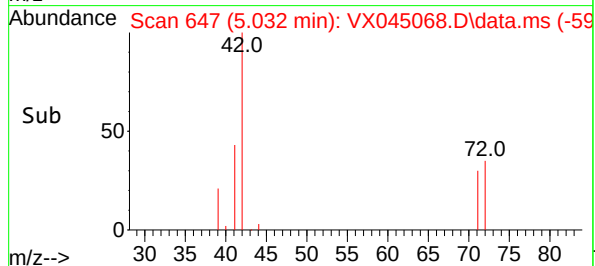
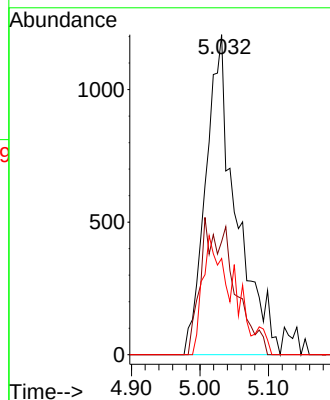
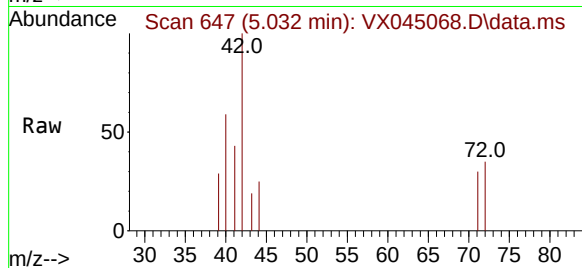
VSTDIC001

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

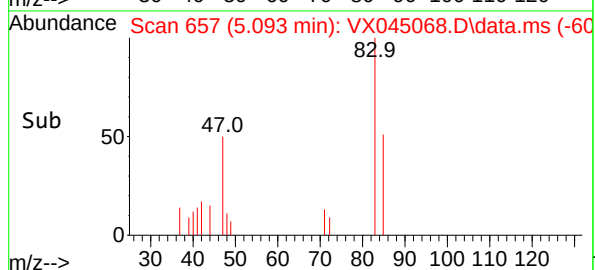
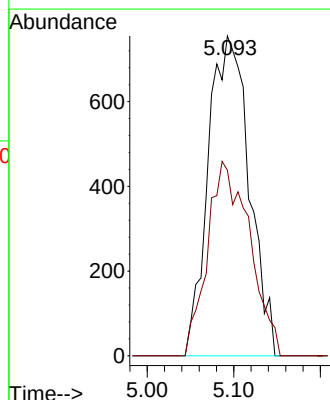
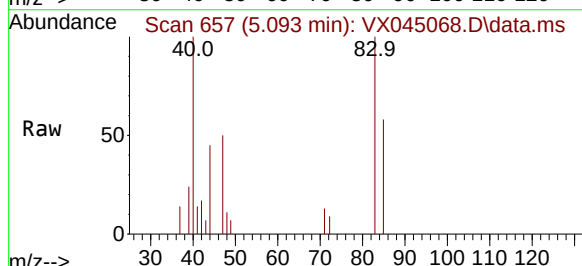
RT: 5.093 min Scan# 657

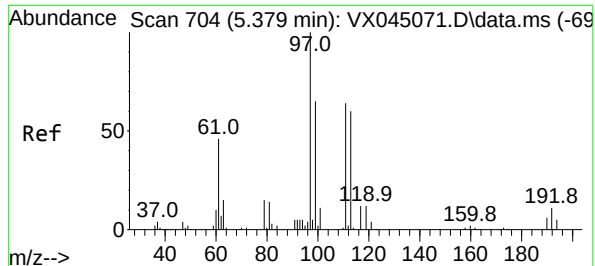
Delta R.T. 0.006 min

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

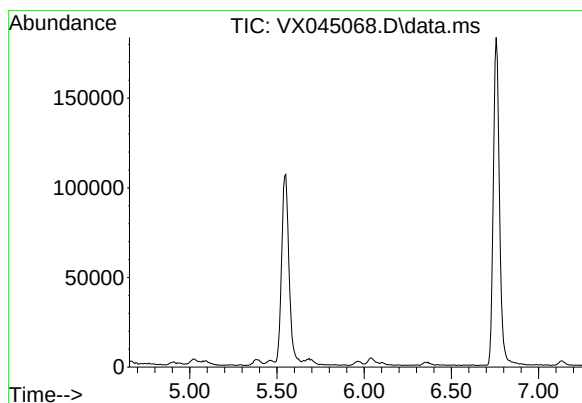
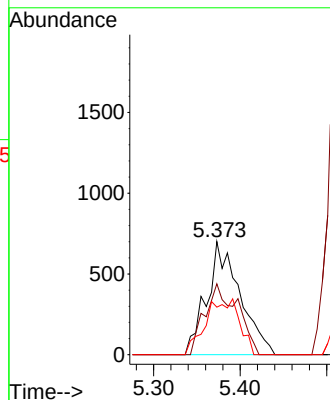
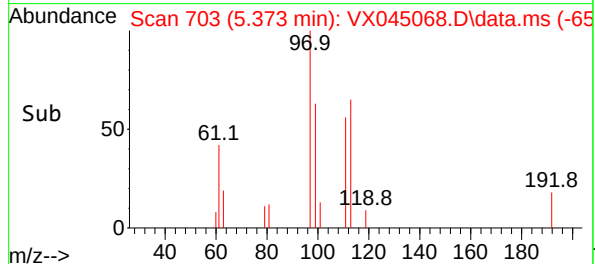
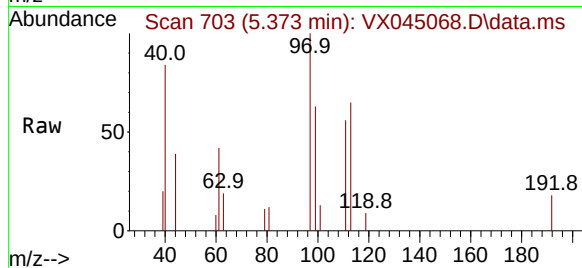
61 50.0 38.4 57.6

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

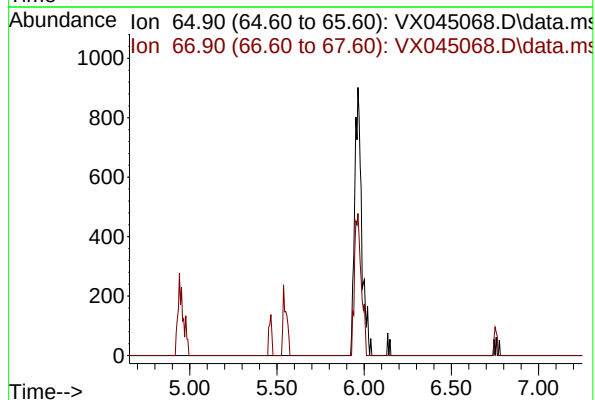
Acq: 28 Feb 2025 01:27

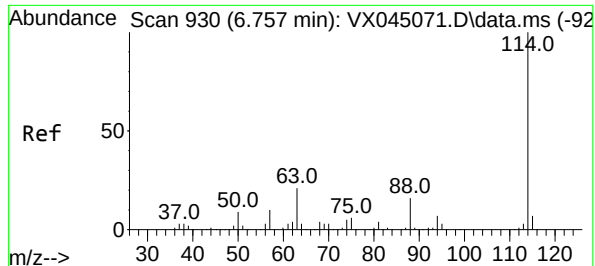
Tgt Ion: 65

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

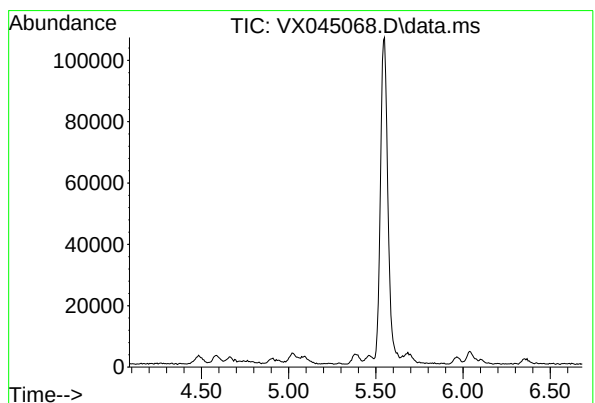
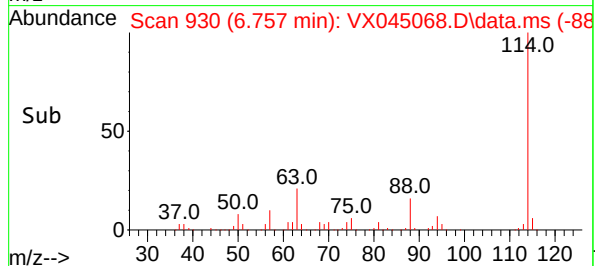
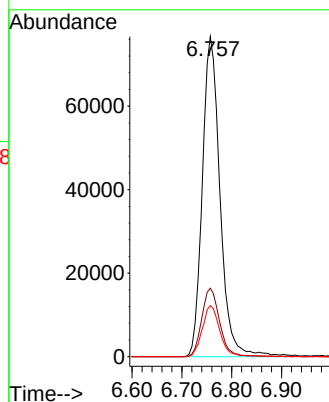
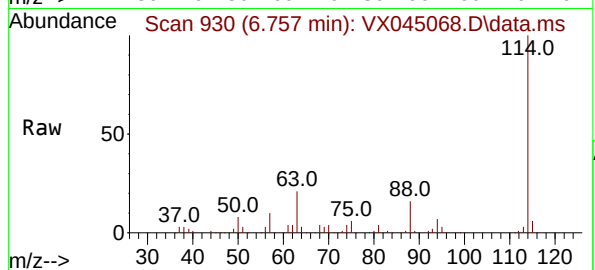
88 16.0 0.0 32.8

Manual Integrations

APPROVED

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

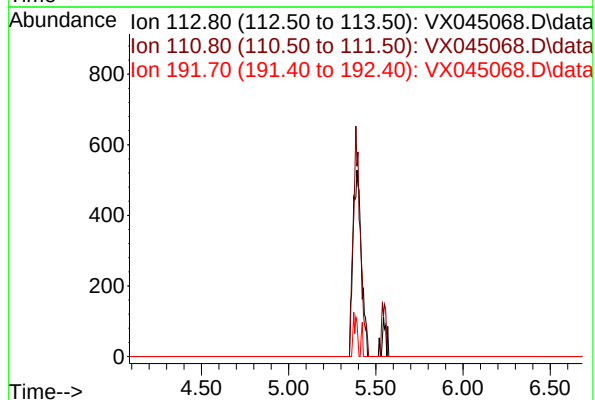
Tgt Ion: 113

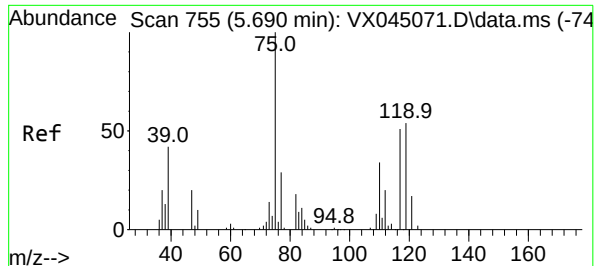
Sig Exp Ratio

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 :

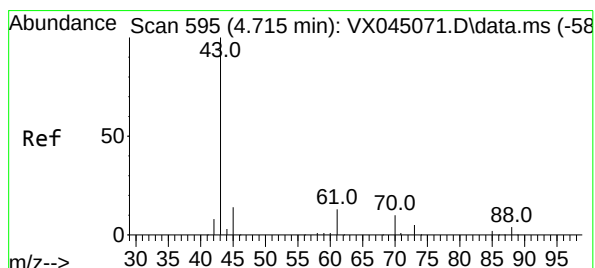
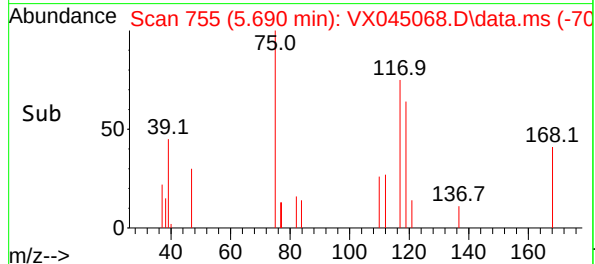
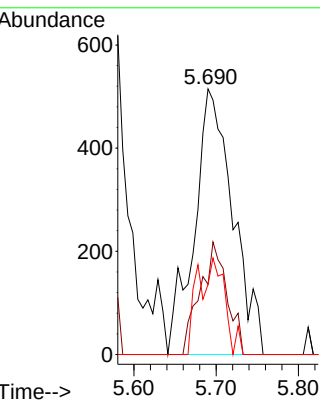
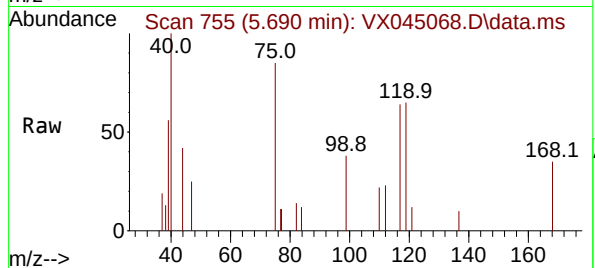
VSTDIC001

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

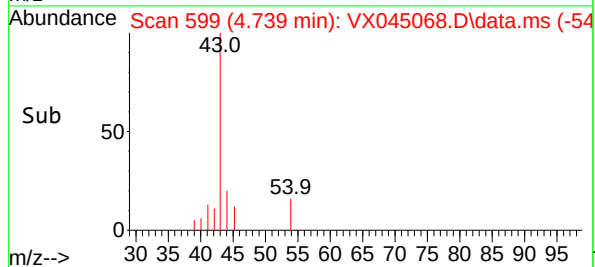
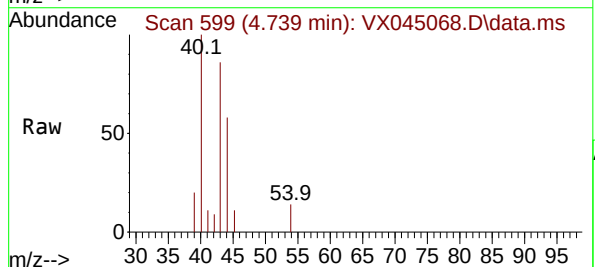
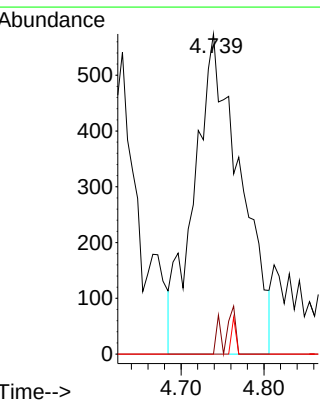
RT: 4.739 min Scan# 599

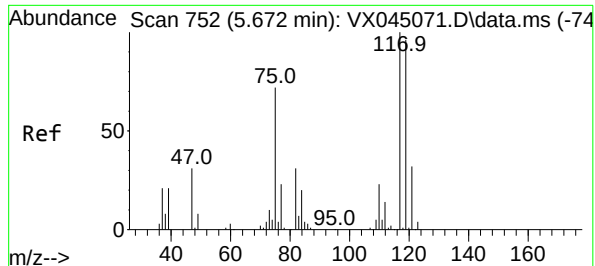
Delta R.T. 0.024 min

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

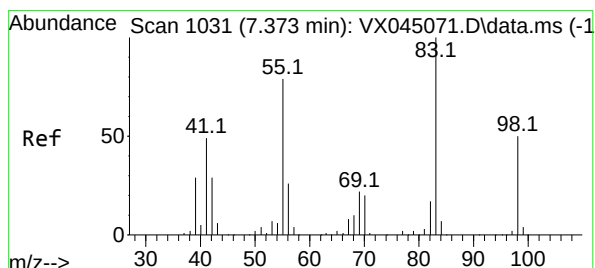
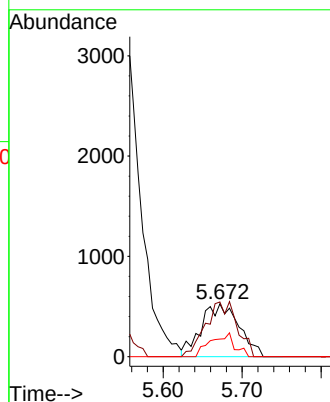
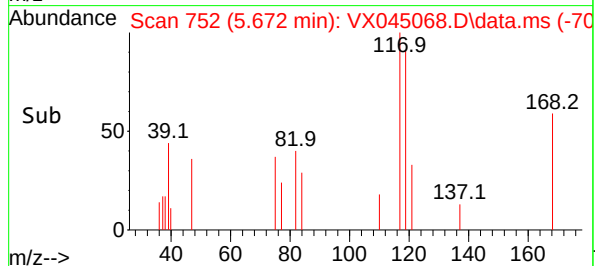
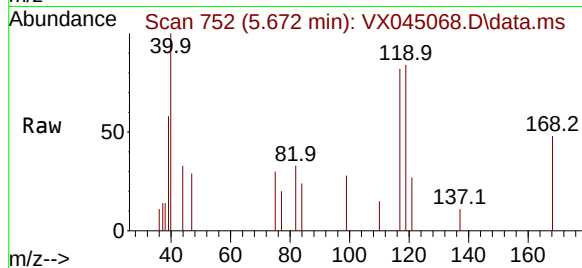
121 33.2 25.5 38.3

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

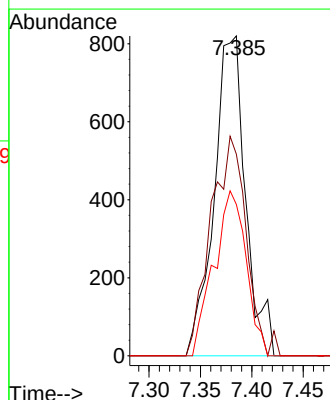
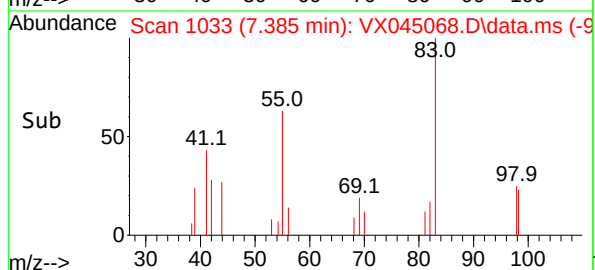
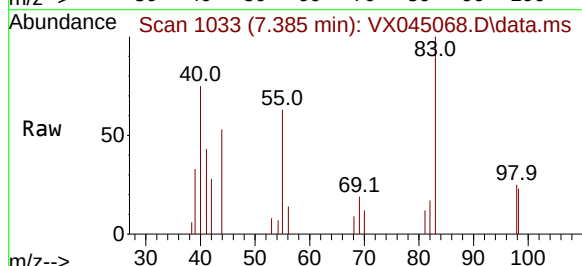
Tgt Ion: 83 Resp: 1750

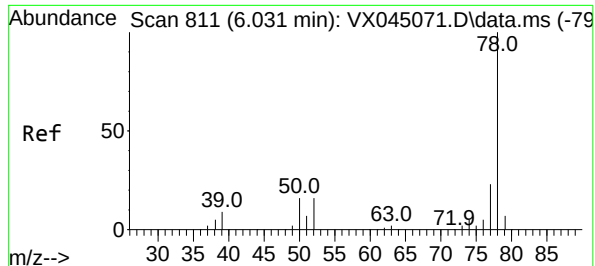
Ion Ratio Lower Upper

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

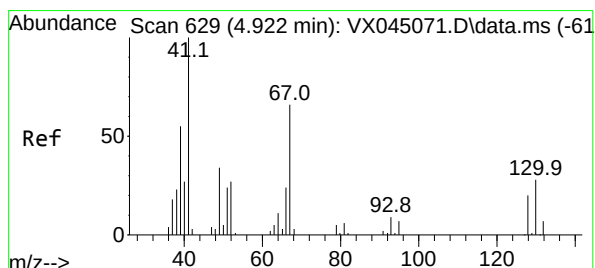
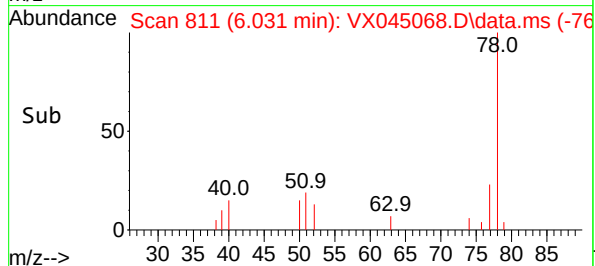
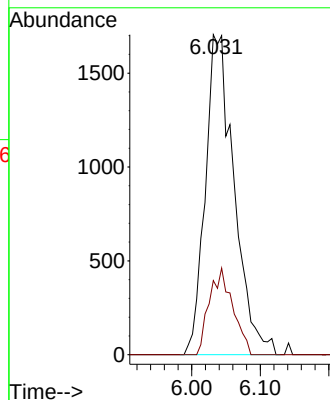
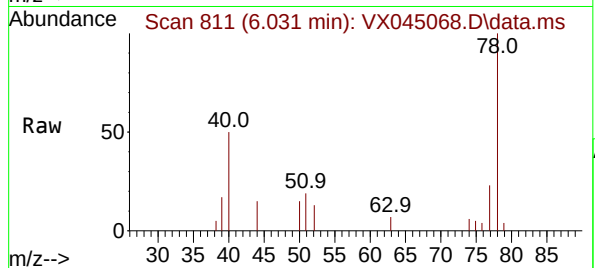
77 23.2 18.8 28.2

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

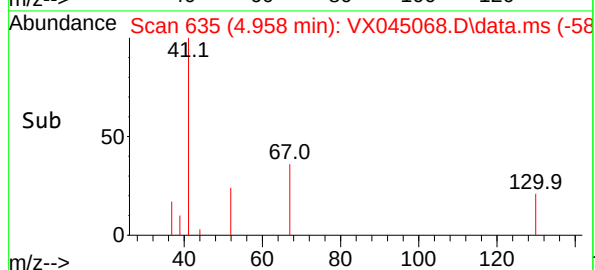
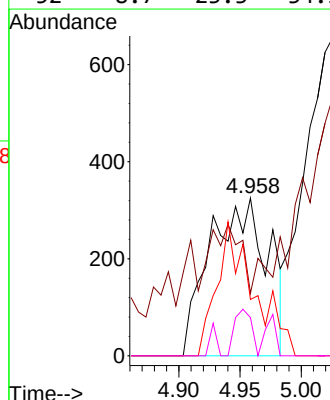
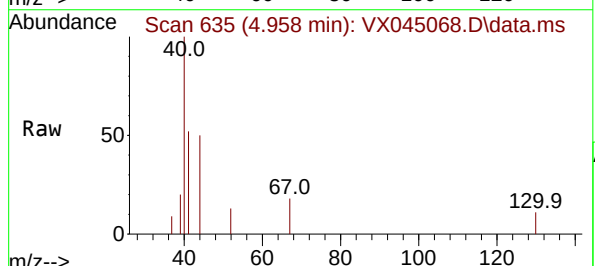
Ion Ratio Lower Upper

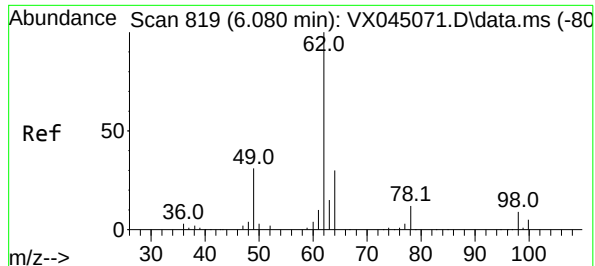
41 100

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

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion: 62 Resp: 183

Ion Ratio Lower Upper

62 100

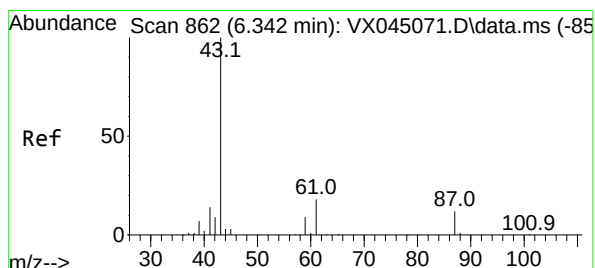
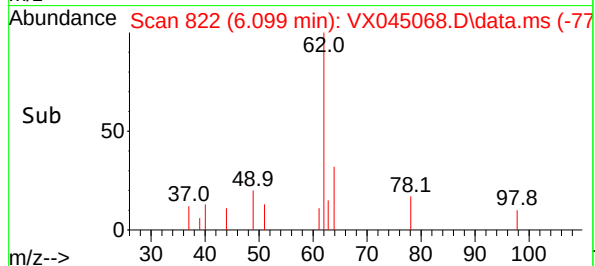
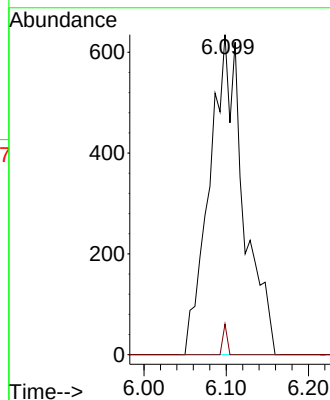
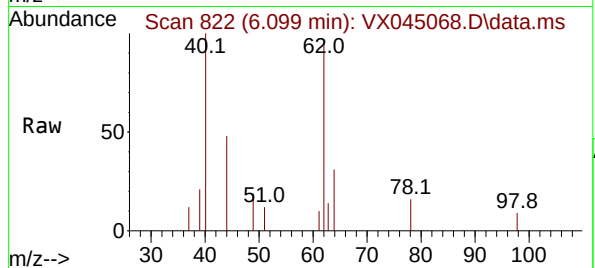
98 1.2 0.0 18.2

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

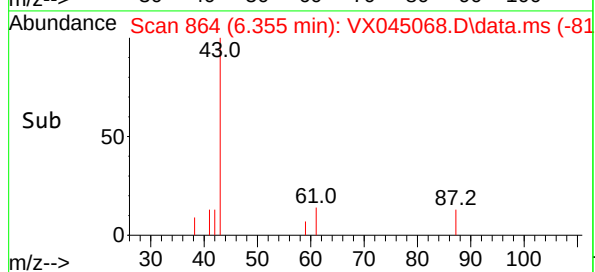
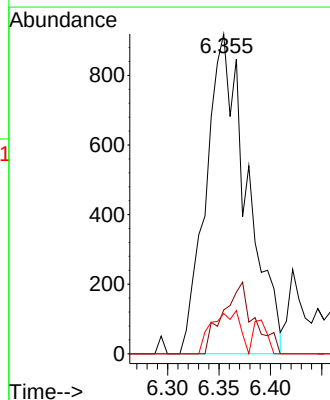
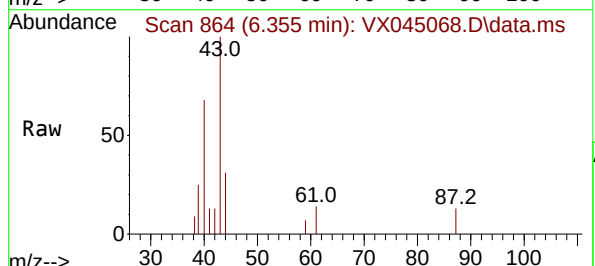
Tgt Ion: 43 Resp: 2545

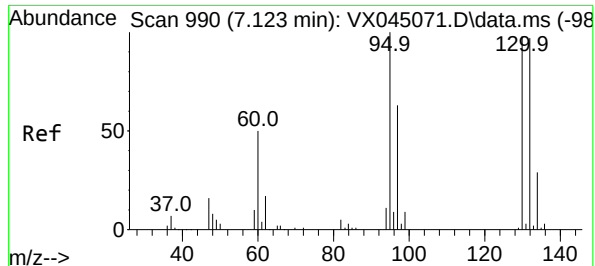
Ion Ratio Lower Upper

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

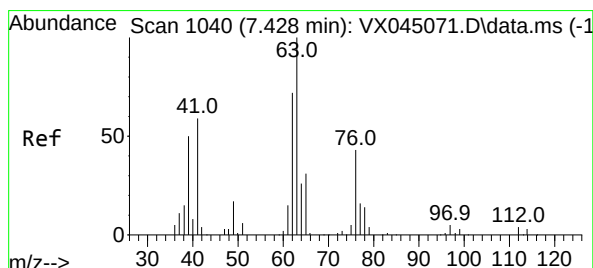
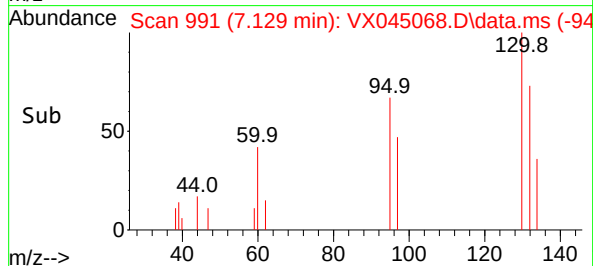
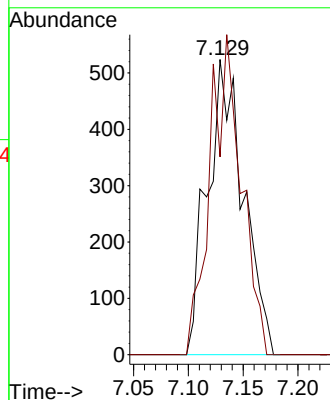
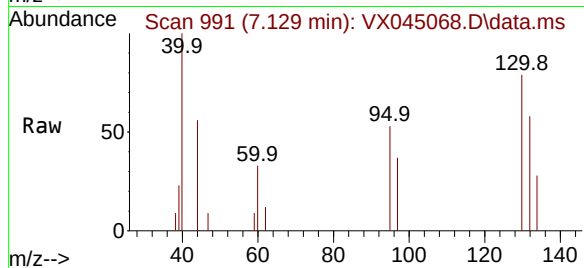
95 67.0 0.0 205.0

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

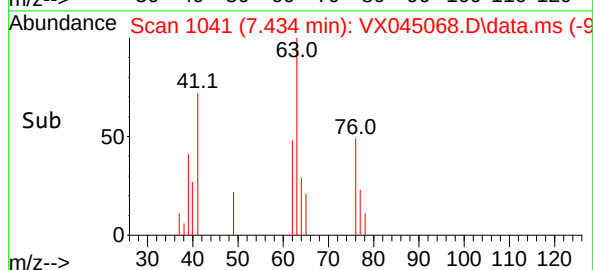
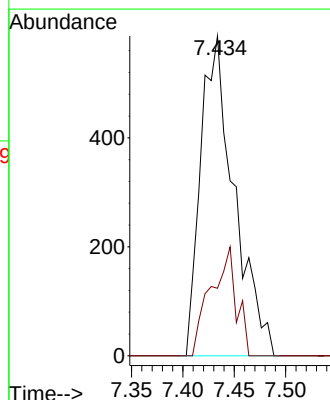
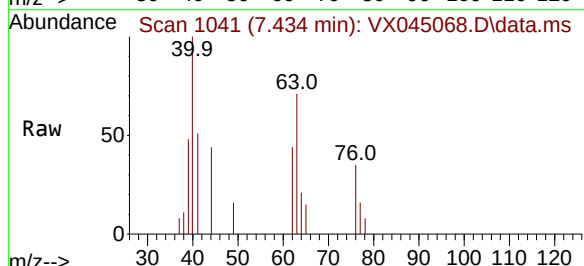
Acq: 28 Feb 2025 01:27

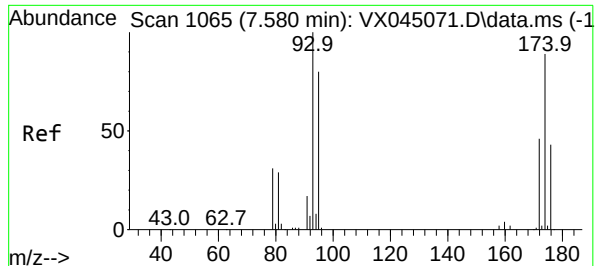
Tgt Ion: 63 Resp: 1334

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

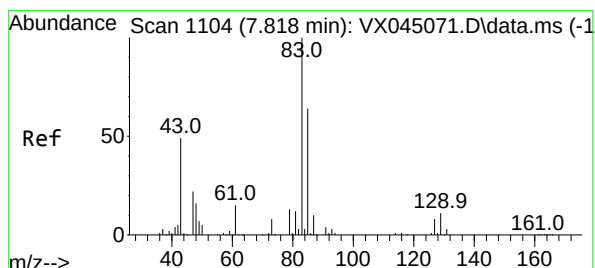
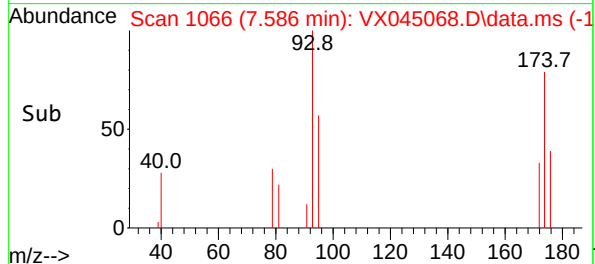
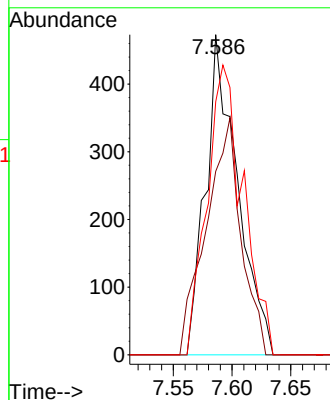
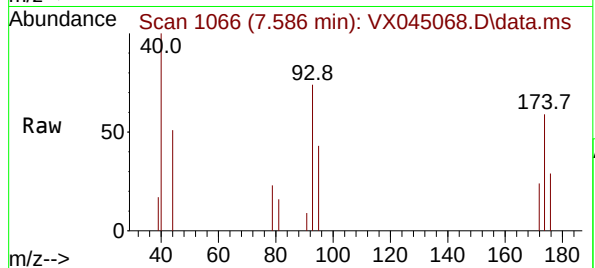
Tgt Ion:	93	Resp:	89
Ion	Ratio	Lower	Upper
93	100		
95	80.9	65.8	98.8
174	102.8	72.2	108.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#47

Bromodichloromethane

Concen: 0.927 ug/l

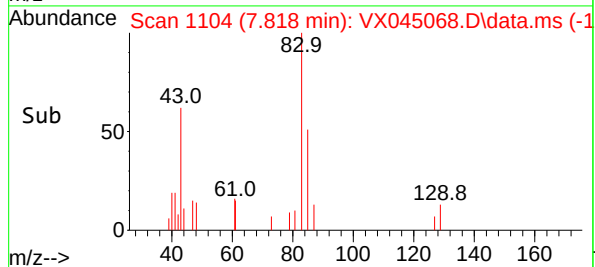
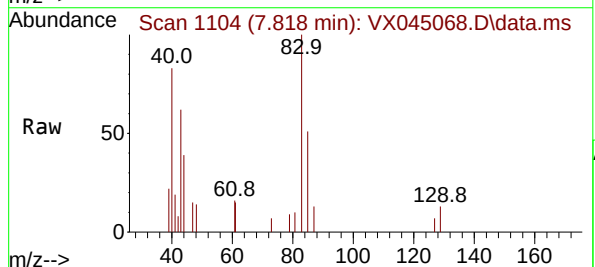
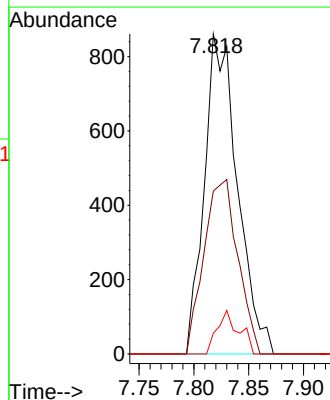
RT: 7.818 min Scan# 1104

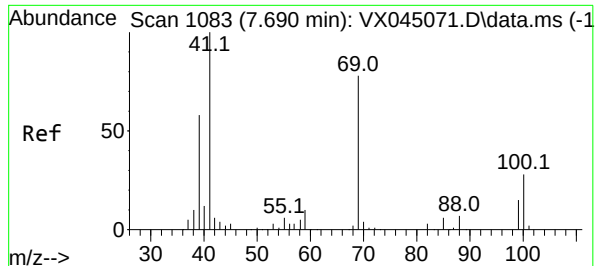
Delta R.T. 0.000 min

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

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

ClientSampleId :

VSTDIC001

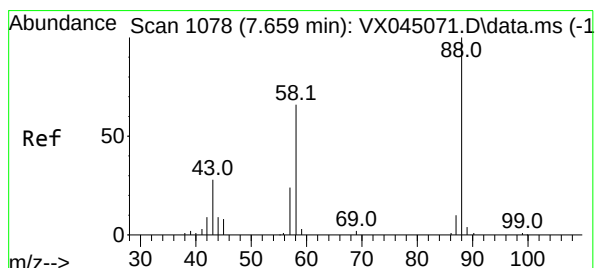
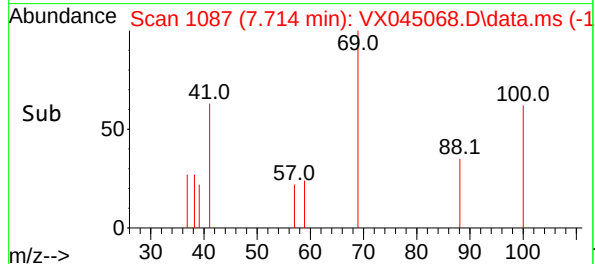
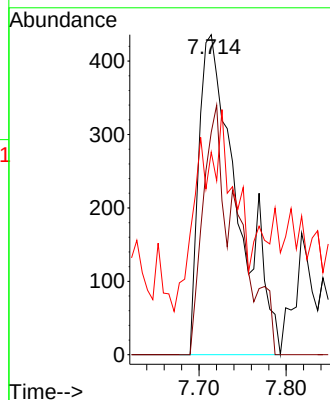
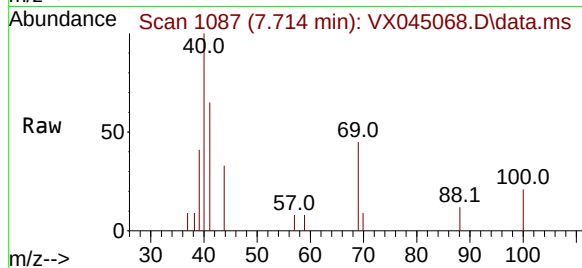
Tgt Ion: 41	Resp: 132
Ion Ratio	Lower Upper
41	100
69	41.4 63.0 94.6
39	20.7 47.5 71.3

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

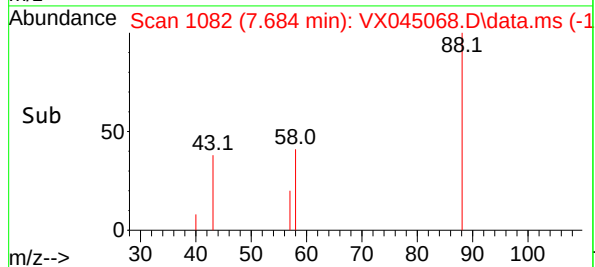
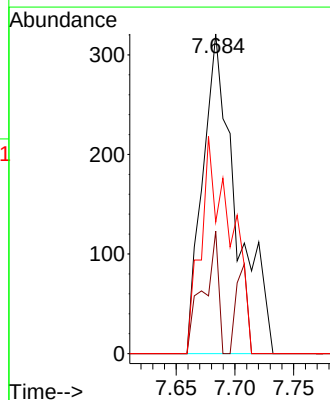
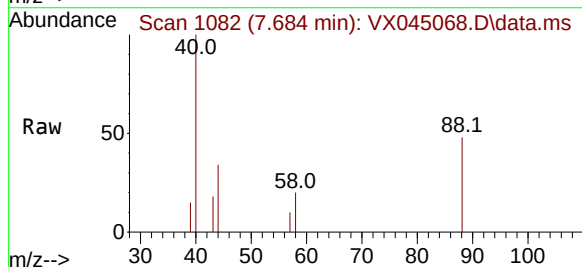
RT: 7.684 min Scan# 1082

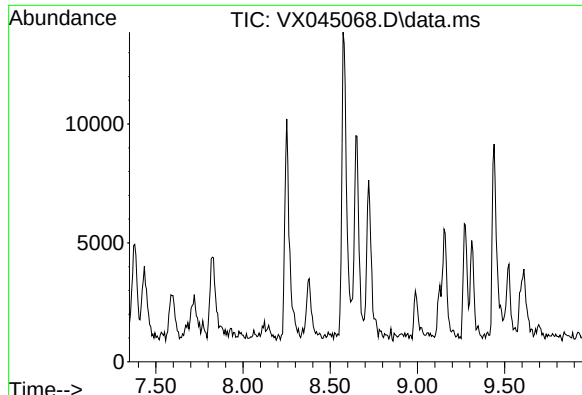
Delta R.T. 0.024 min

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

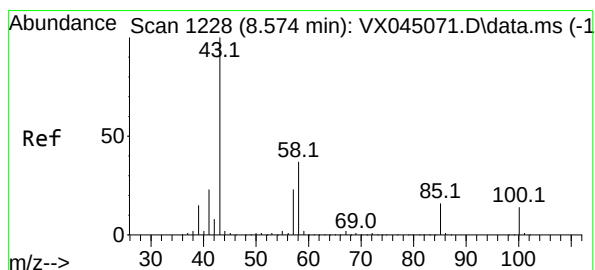
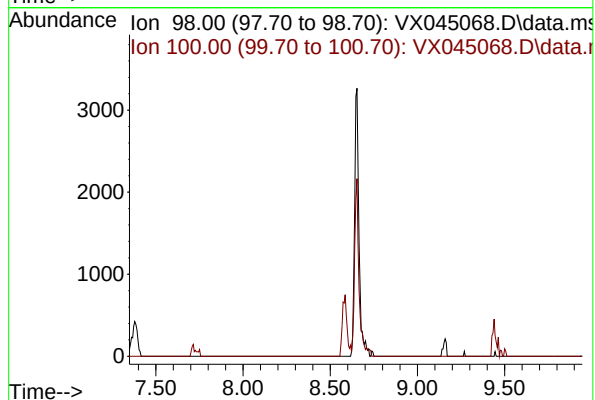
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 98
Sig Exp Ratio
98 100
100 65.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

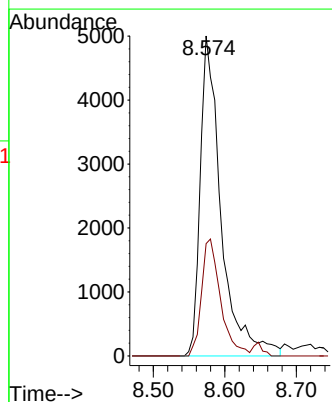
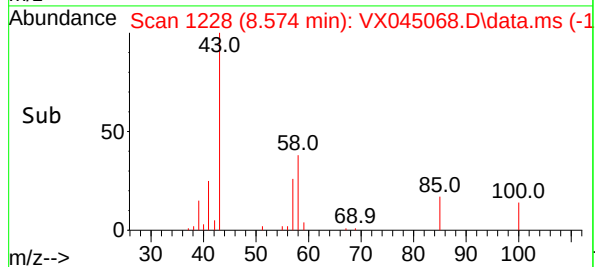
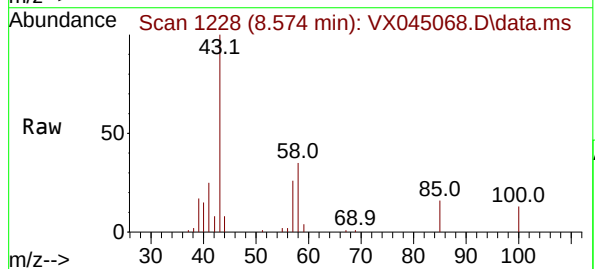
Manual Integrations
APPROVED

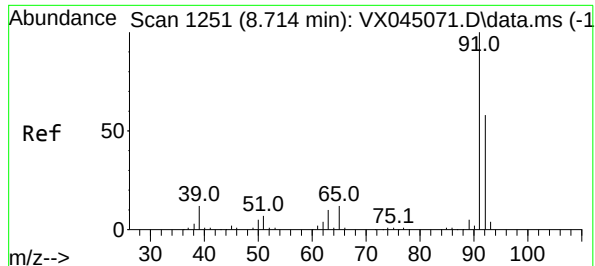
Reviewed By : John Carlone 02/28/2025
Supervised By : Mahesh Dadoda 02/28/2025



#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 :

VSTDIC001

Tgt Ion: 92 Resp: 2700

Ion Ratio Lower Upper

92 100

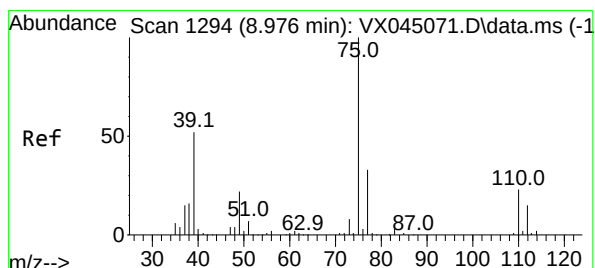
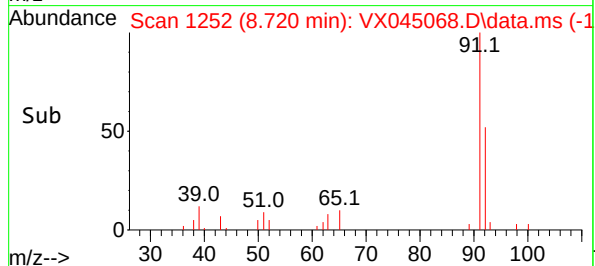
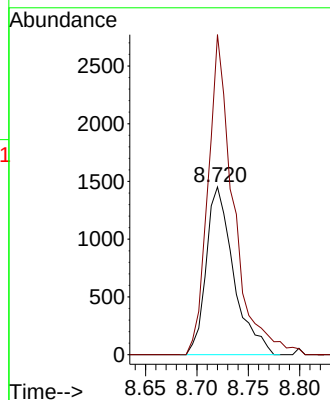
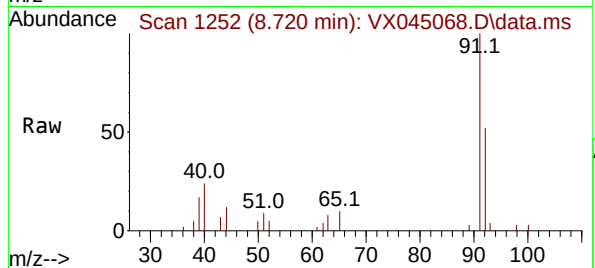
91 177.7 138.9 208.3

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

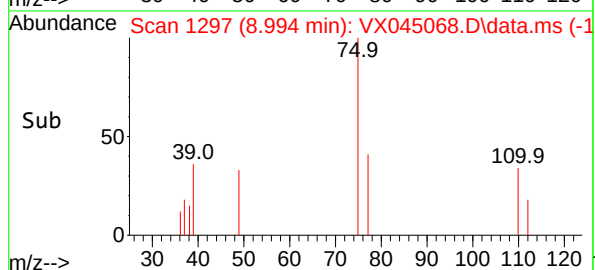
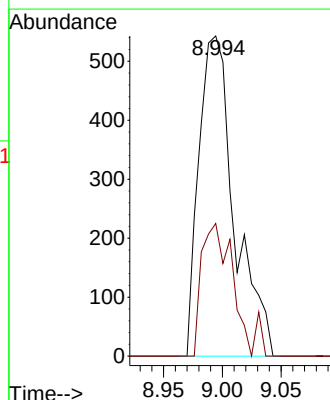
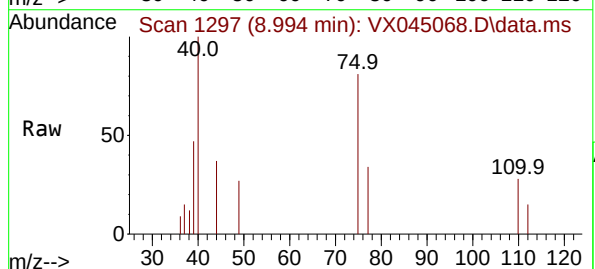
Acq: 28 Feb 2025 01:27

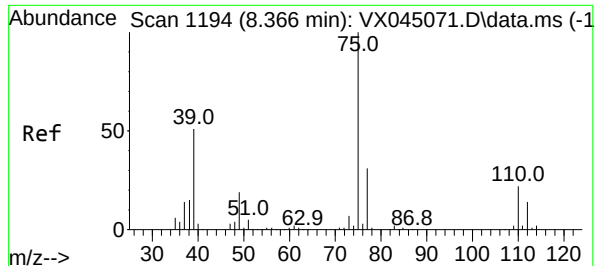
Tgt Ion: 75 Resp: 1147

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

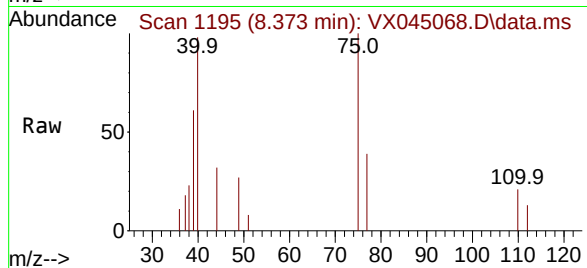
Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

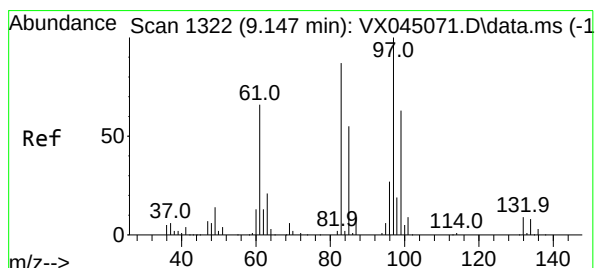
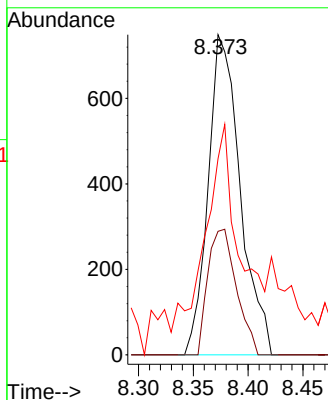
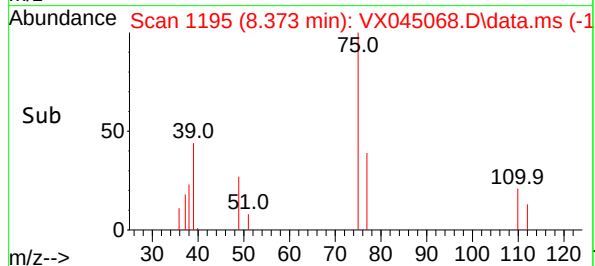


Tgt Ion: 75	Resp: 152
Ion Ratio	Lower Upper
75	100
77	38.6 24.7 37.1
39	45.1 40.7 61.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#55

1,1,2-Trichloroethane

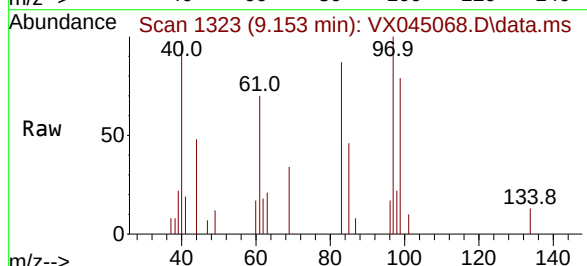
Concen: 1.004 ug/l

RT: 9.153 min Scan# 1323

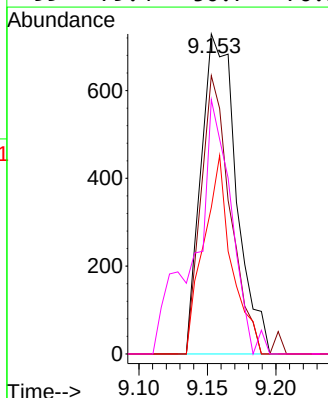
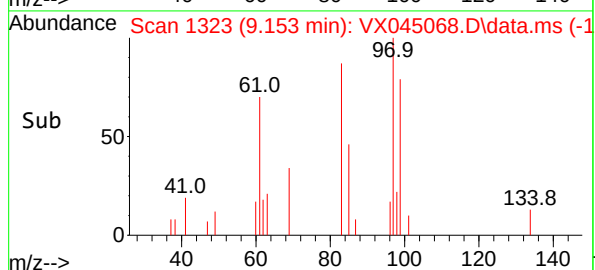
Delta R.T. 0.006 min

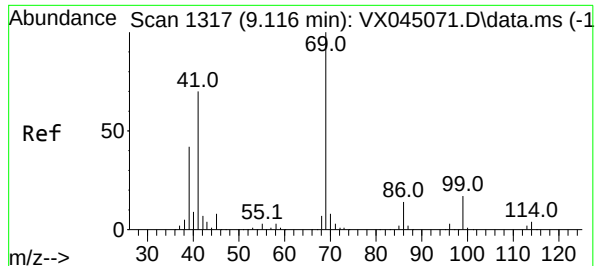
Lab File: VX045068.D

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# 11

Delta R.T. 0.018 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

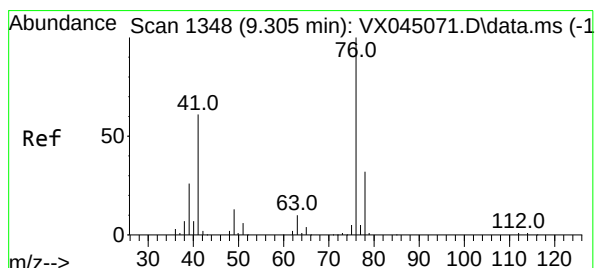
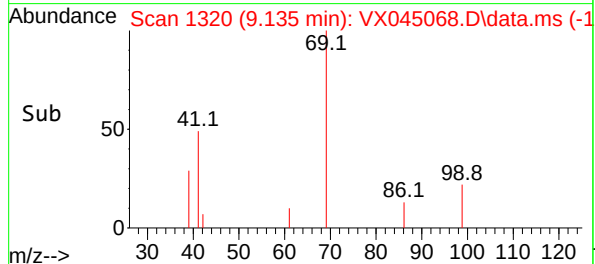
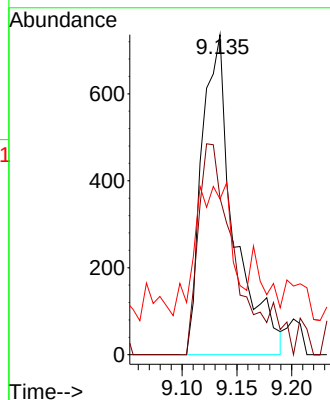
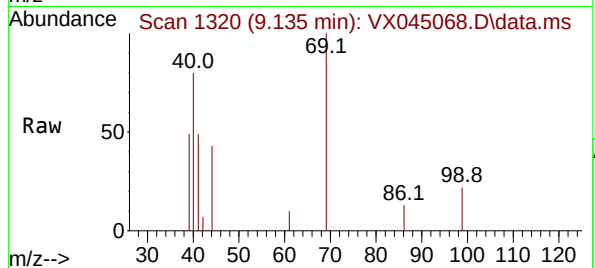
VSTDIC001

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

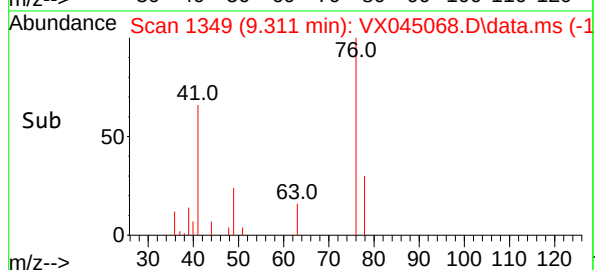
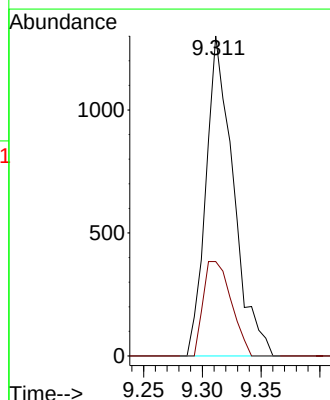
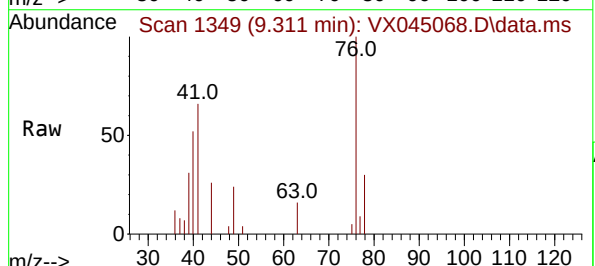
RT: 9.311 min Scan# 1349

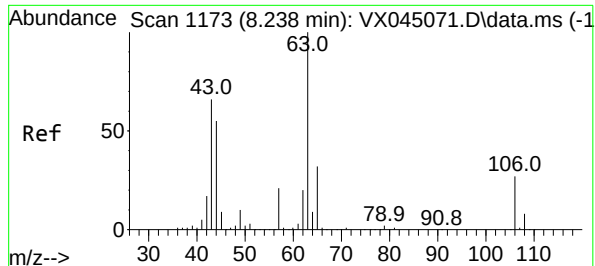
Delta R.T. 0.006 min

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# 1175

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

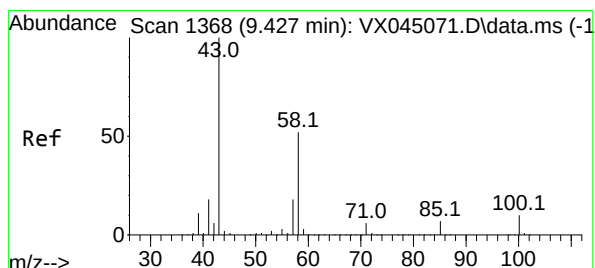
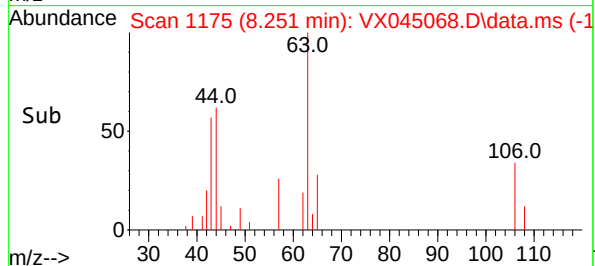
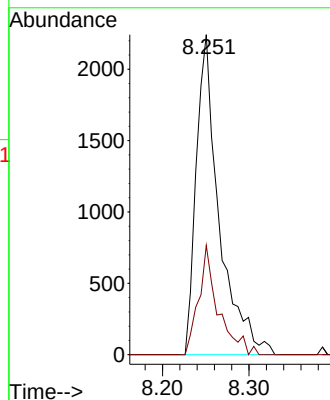
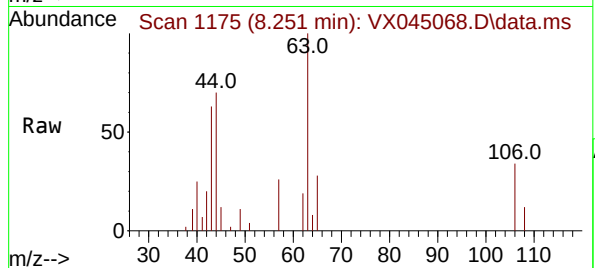
106 29.2 21.5 32.3

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

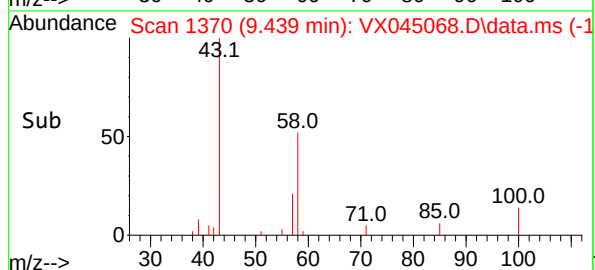
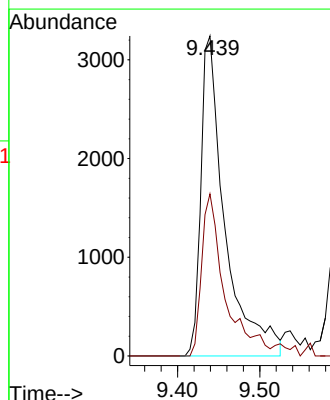
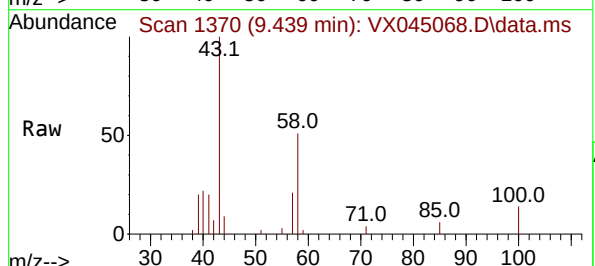
Acq: 28 Feb 2025 01:27

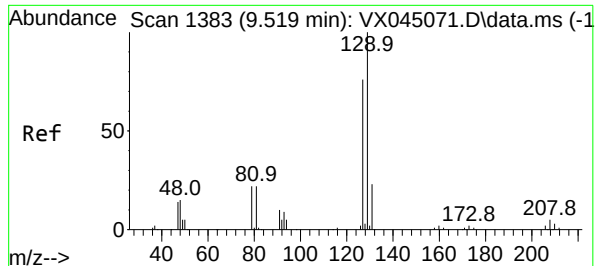
Tgt Ion: 43 Resp: 6582

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 :

VSTDICC001

Tgt Ion:129 Resp: 1152

Ion Ratio Lower Upper

129 100

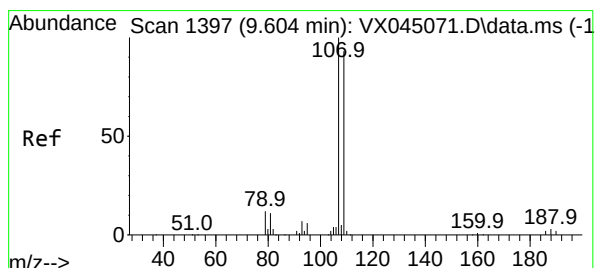
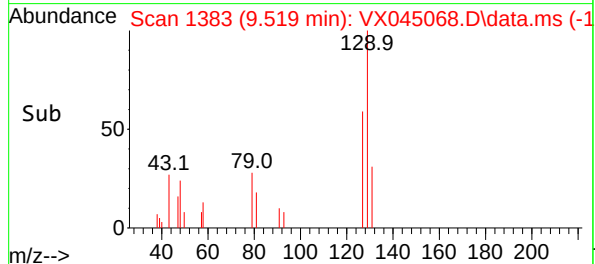
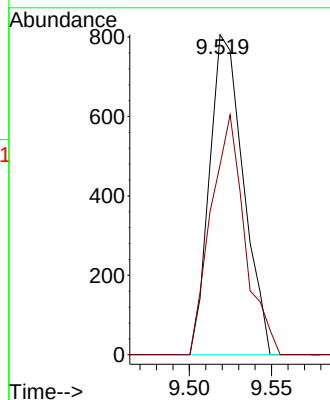
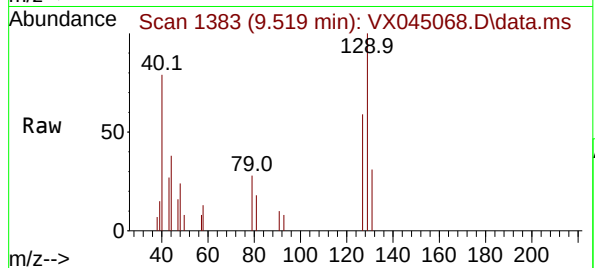
127 75.2 38.5 115.5

Manual Integrations

APPROVED

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

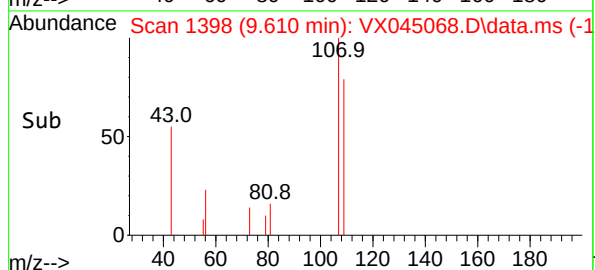
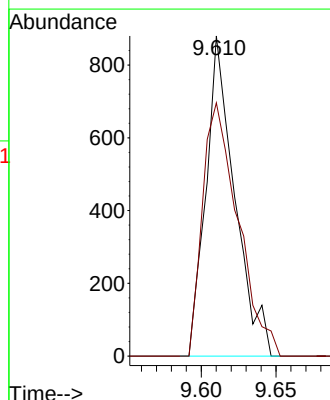
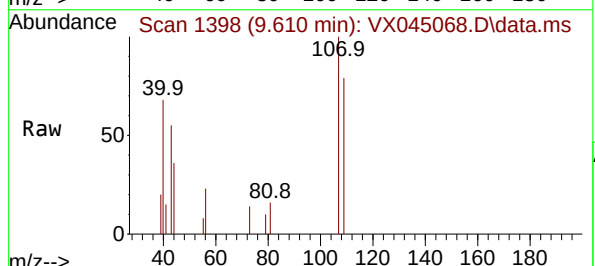
Acq: 28 Feb 2025 01:27

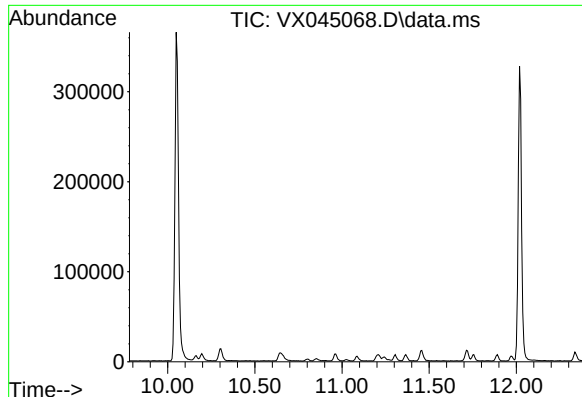
Tgt Ion:107 Resp: 1174

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

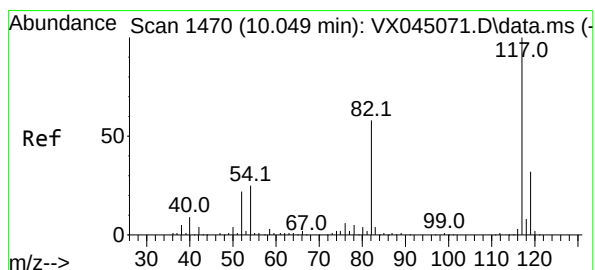
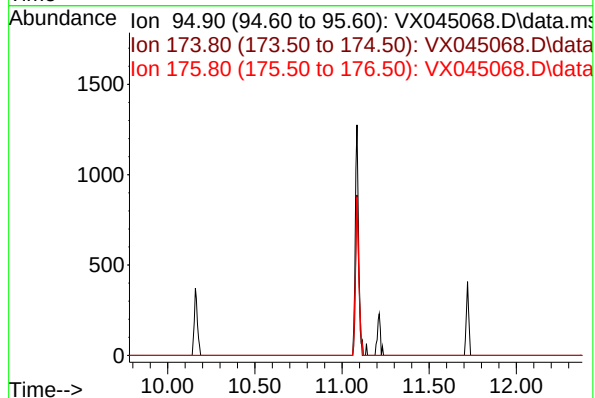
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

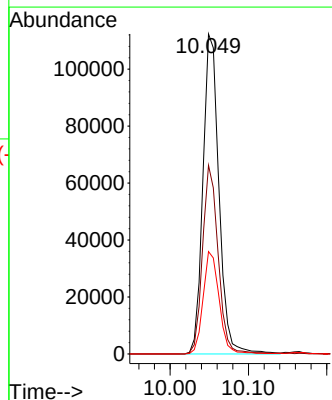
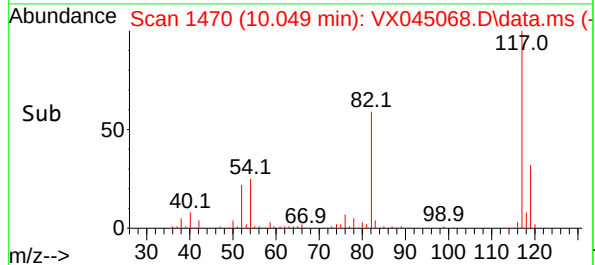
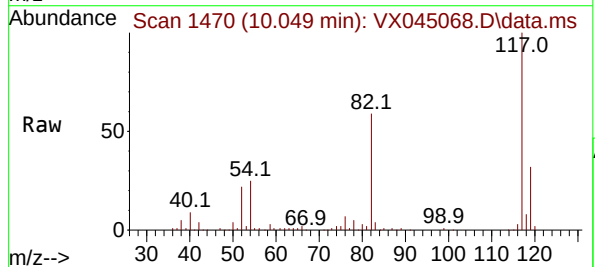
Manual Integrations
APPROVED

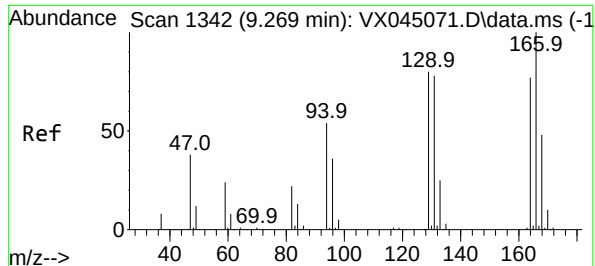
Reviewed By : John Carlone 02/28/2025
Supervised By : Mahesh Dadoda 02/28/2025



#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

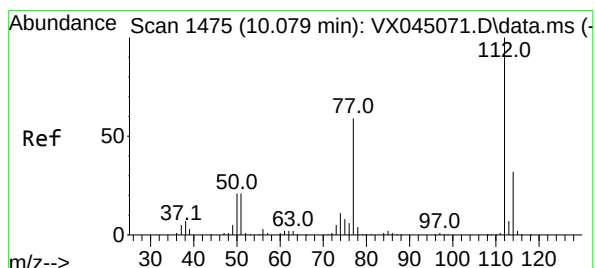
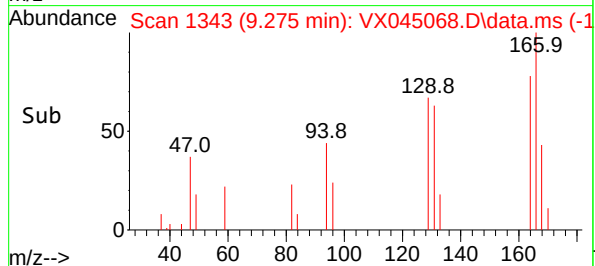
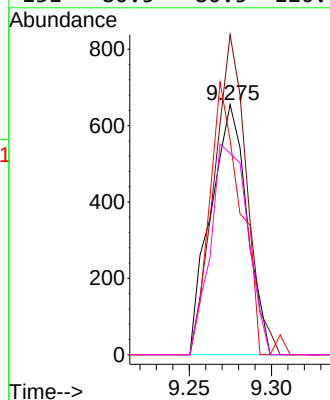
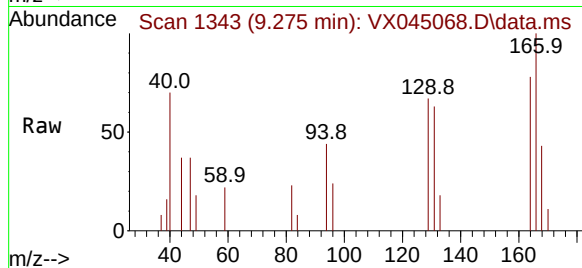
131 80.5 80.5 120.7#

Manual Integrations

APPROVED

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

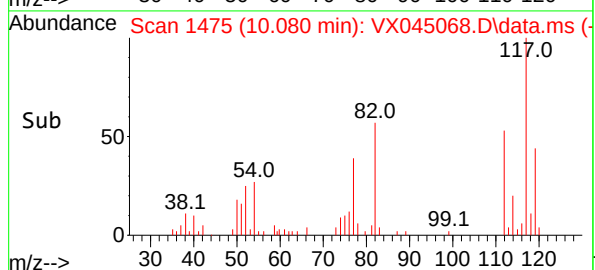
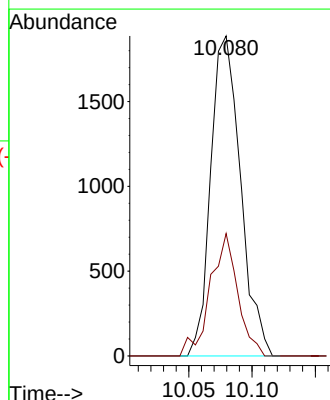
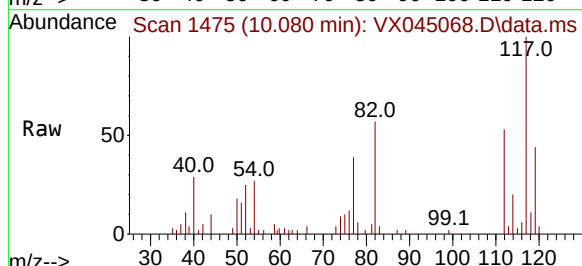
Acq: 28 Feb 2025 01:27

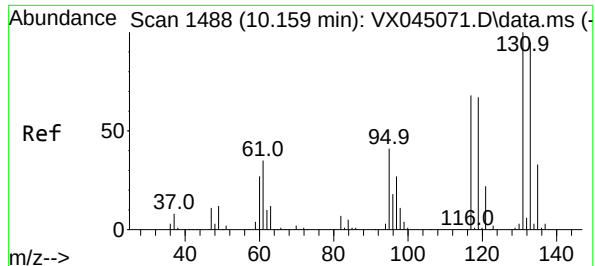
Tgt Ion:112 Resp: 3094

Ion Ratio Lower Upper

112 100

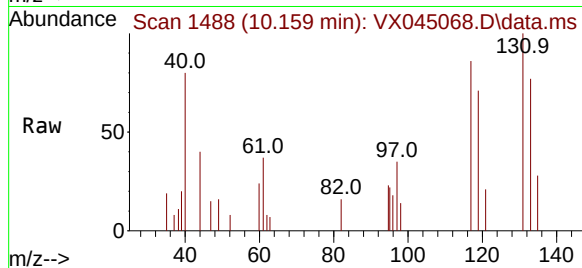
114 38.3 26.0 39.0





#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

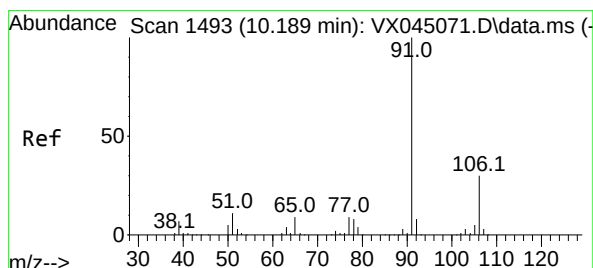
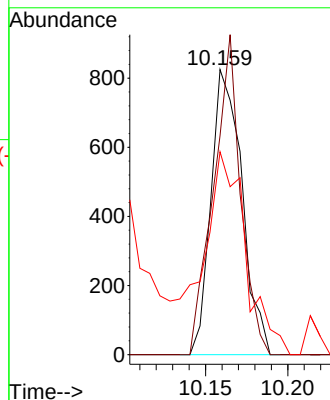
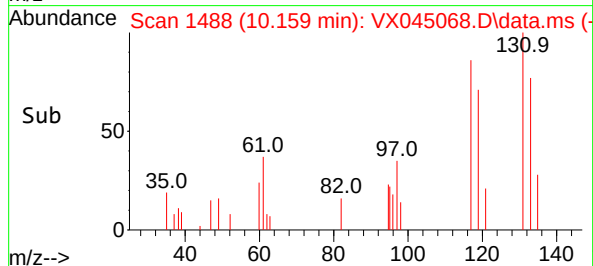
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



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

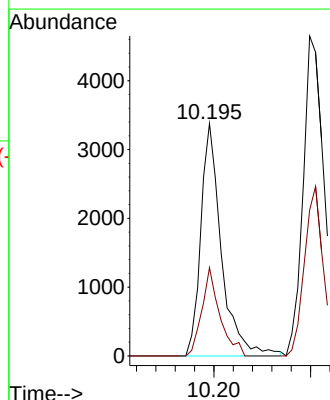
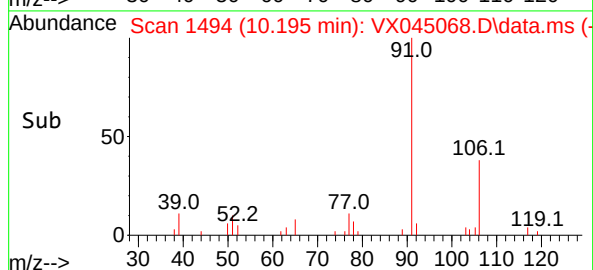
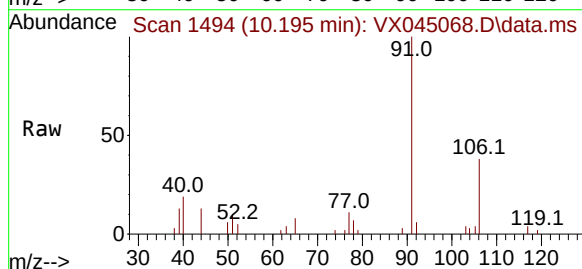
Manual Integrations
APPROVED

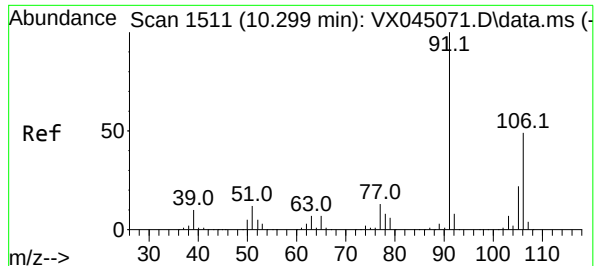
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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# 1511

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

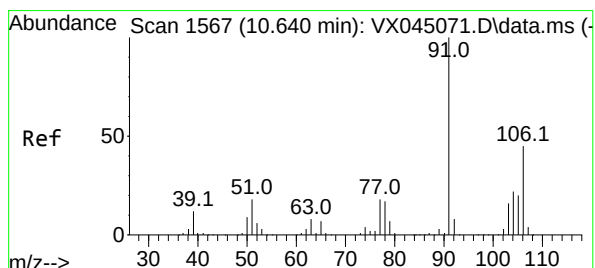
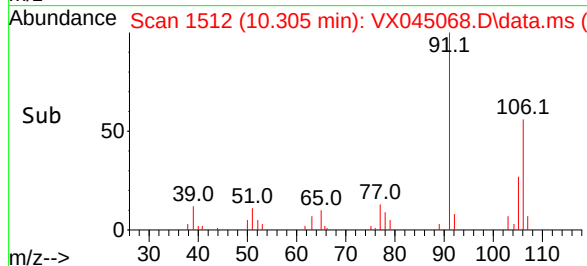
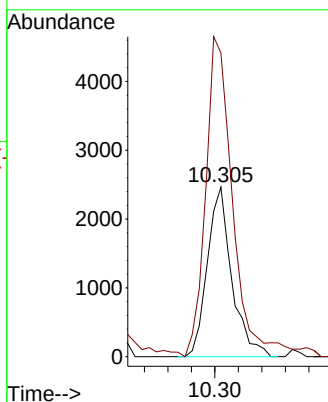
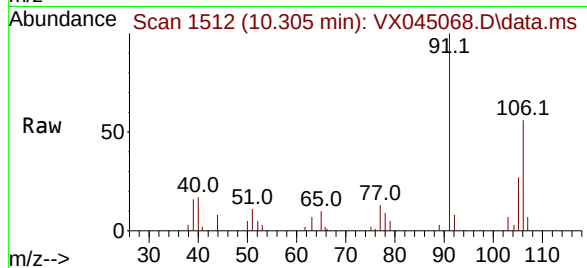
91 211.2 165.4 248.0

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

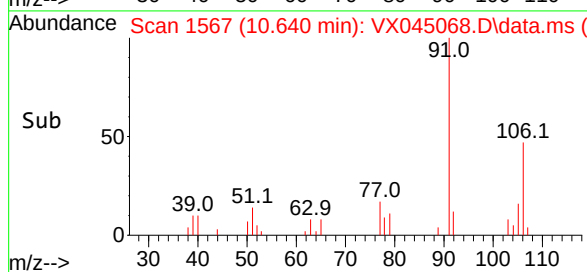
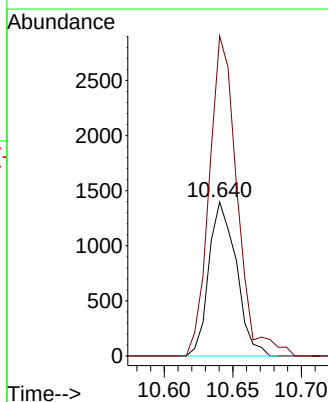
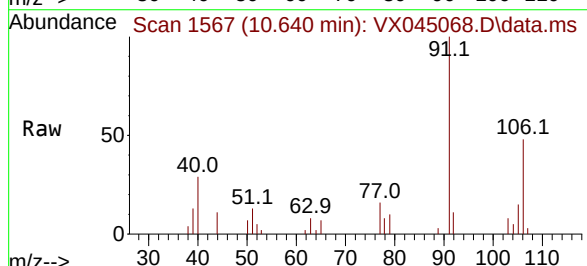
Acq: 28 Feb 2025 01:27

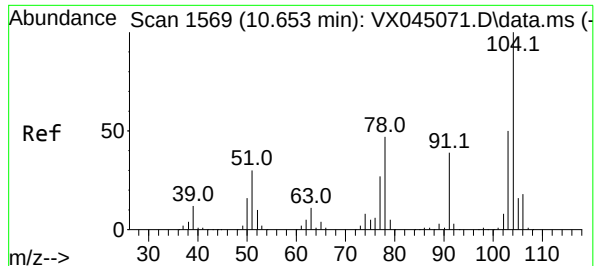
Tgt Ion:106 Resp: 1949

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# 1569

Delta R.T. 0.012 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

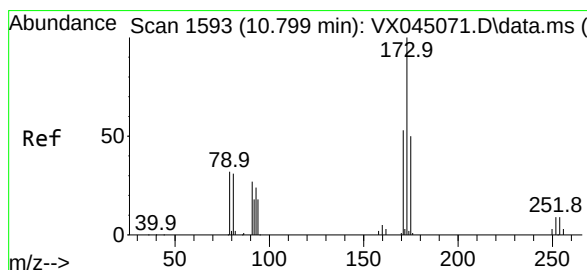
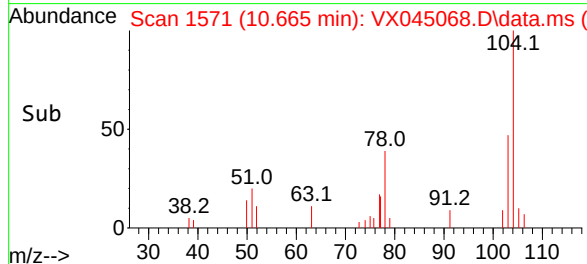
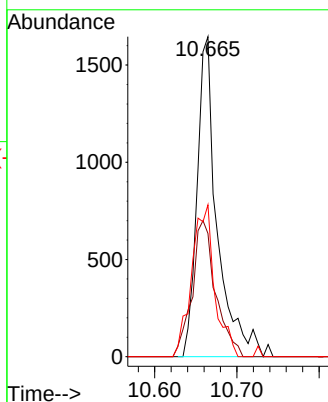
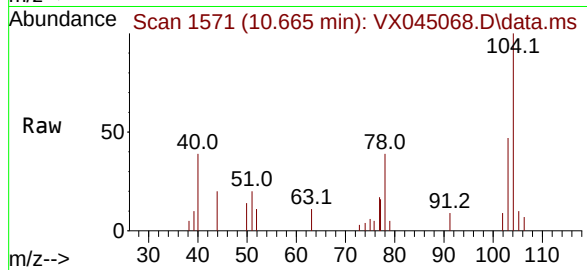
Tgt Ion:	104	Resp:	2810
Ion Ratio	Lower	Upper	
104	100		
78	49.7	42.2	63.4
103	53.6	43.8	65.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#71

Bromoform

Concen: 0.768 ug/l

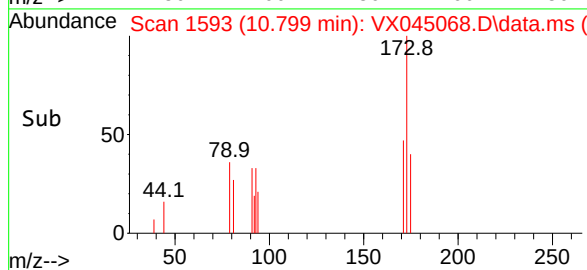
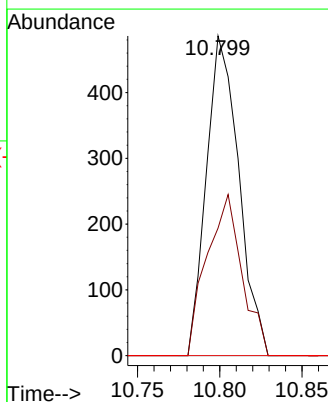
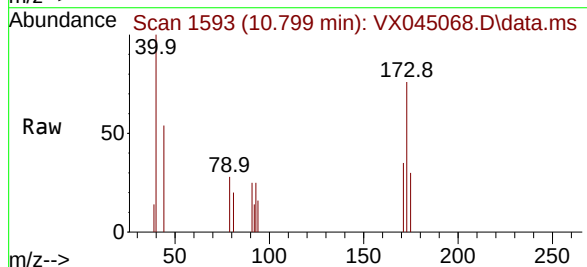
RT: 10.799 min Scan# 1593

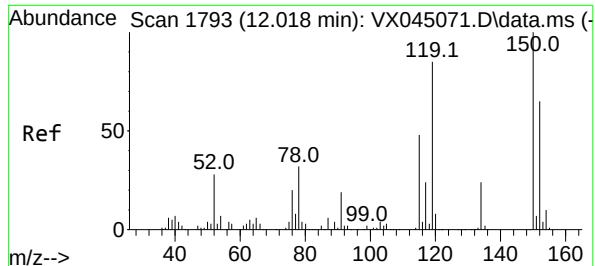
Delta R.T. 0.000 min

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 :

VSTDICC001

Tgt Ion:152 Resp: 6484

Ion Ratio Lower Upper

152 100

115 60.3 44.2 132.6

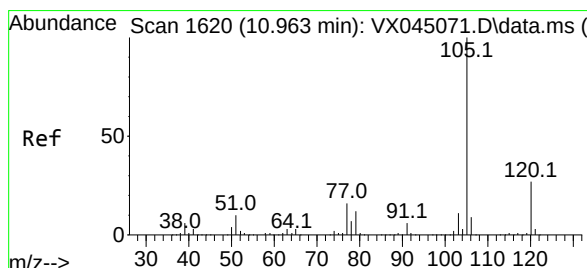
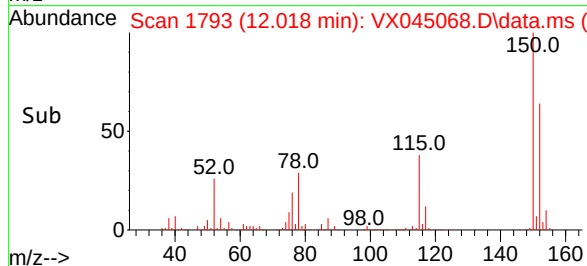
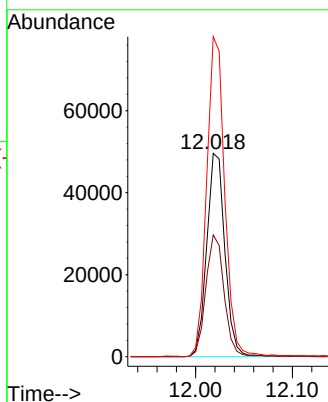
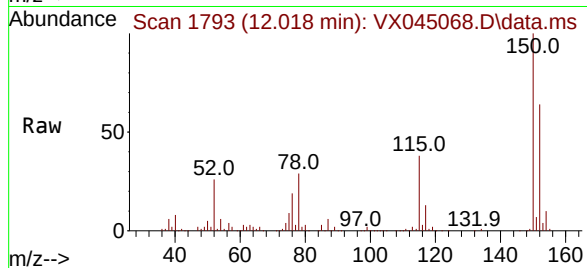
150 157.1 0.0 349.0

Manual Integrations

APPROVED

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

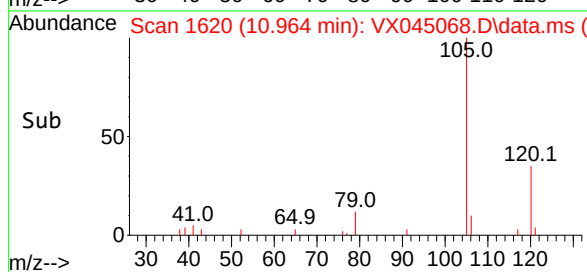
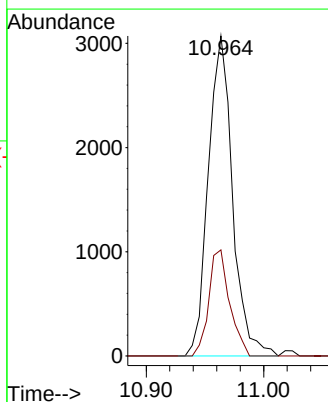
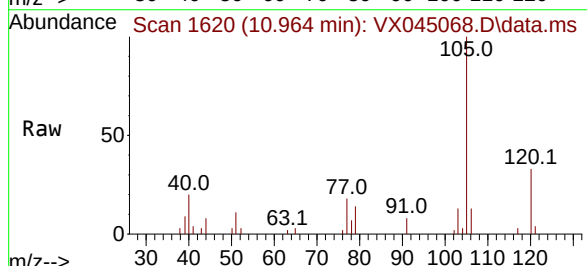
Acq: 28 Feb 2025 01:27

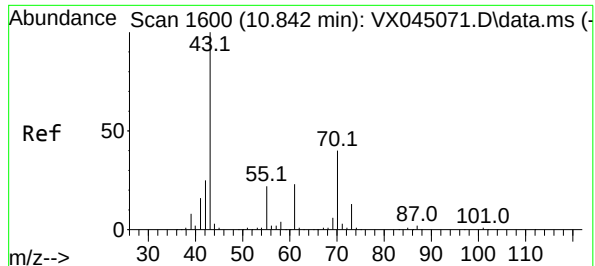
Tgt Ion:105 Resp: 4405

Ion Ratio Lower Upper

105 100

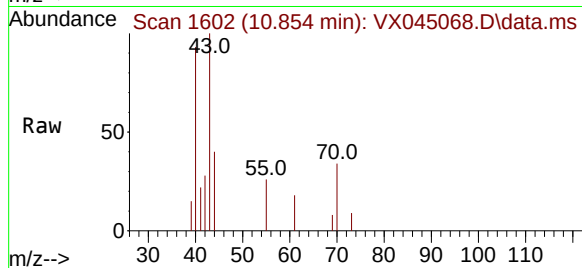
120 28.5 13.2 39.5





#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

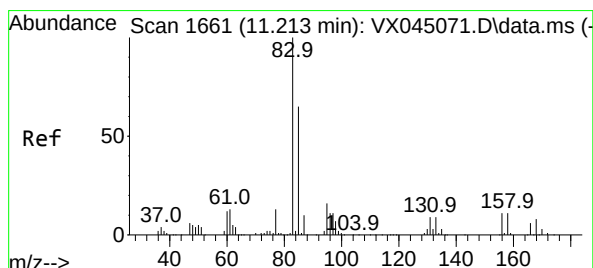
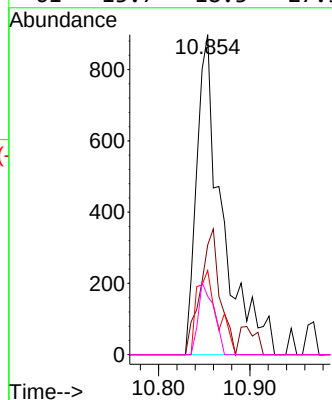
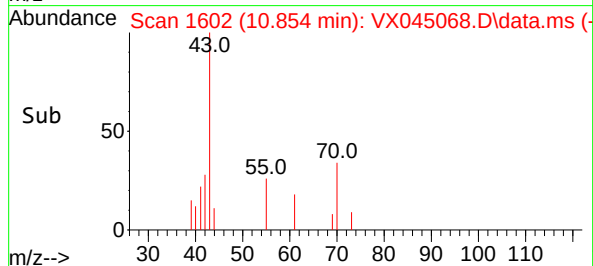
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001



Tgt Ion	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

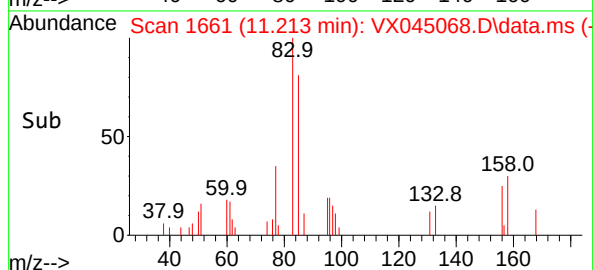
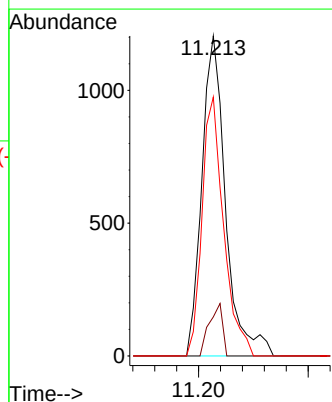
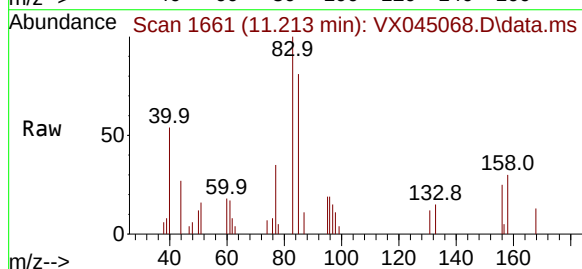
Manual Integrations
APPROVED

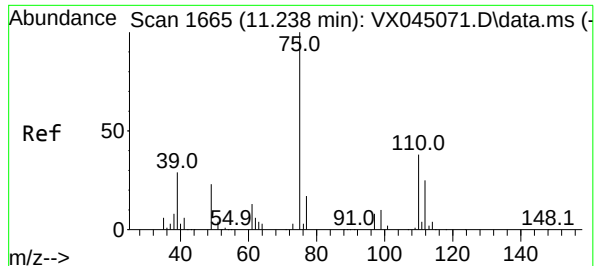
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.4
85	73.7	31.7	95.1





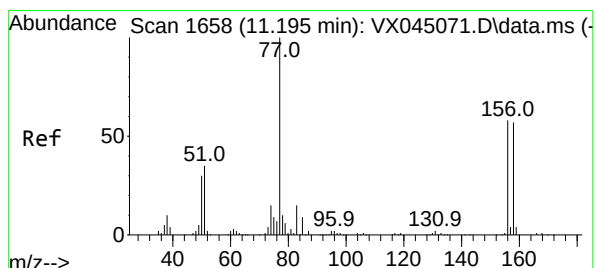
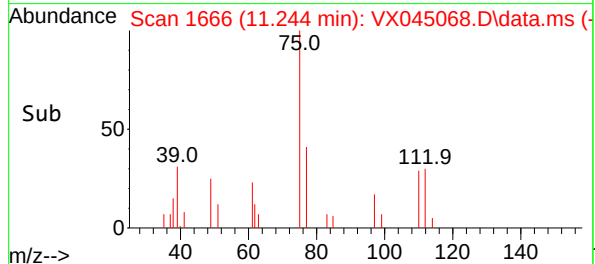
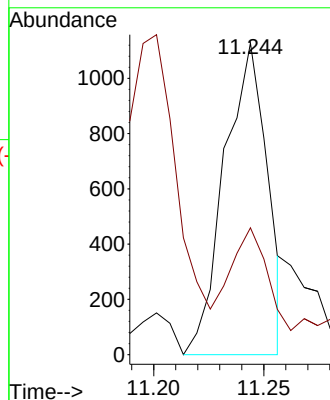
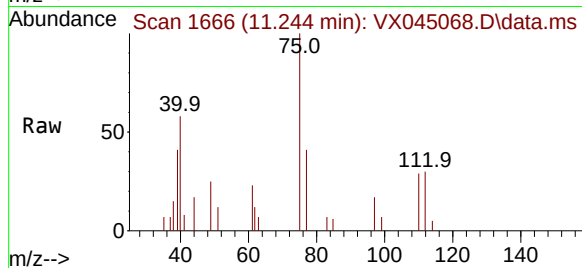
#76
1,2,3-Trichloropropane
Concen: 1.015 ug/l m
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

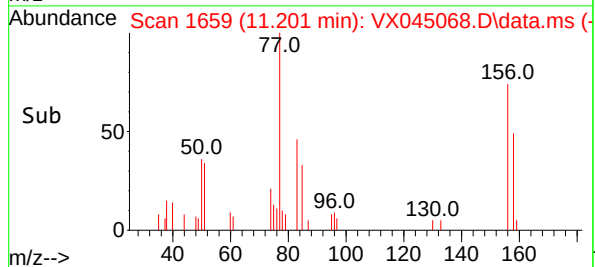
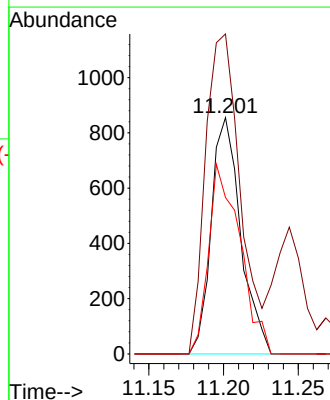
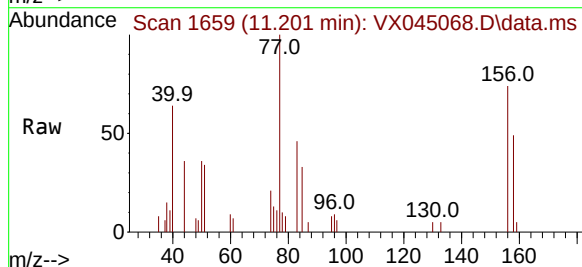
Manual Integrations
APPROVED

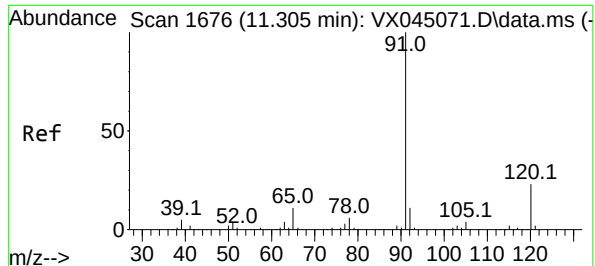
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





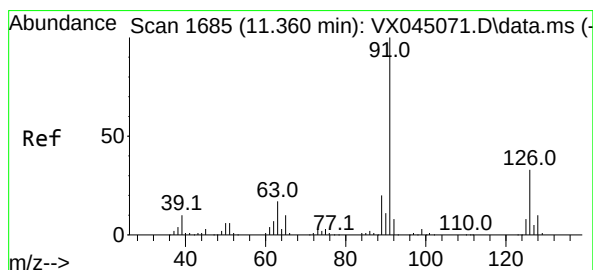
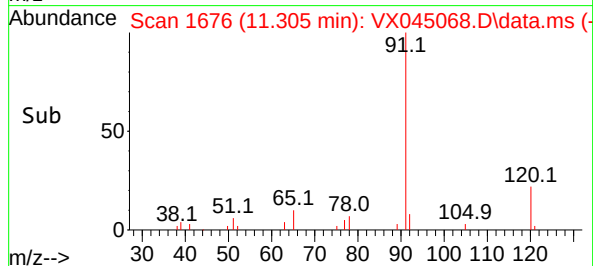
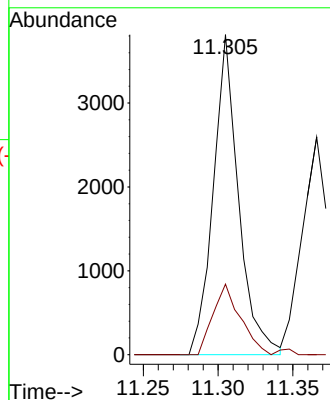
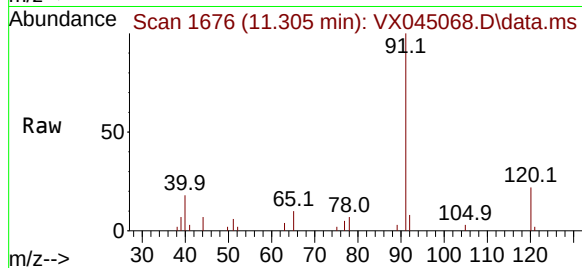
#78
n-propylbenzene
Concen: 0.773 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

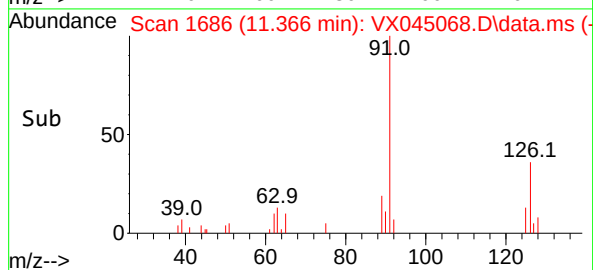
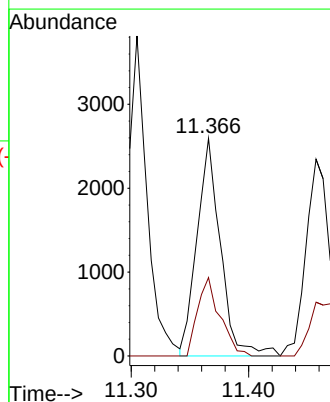
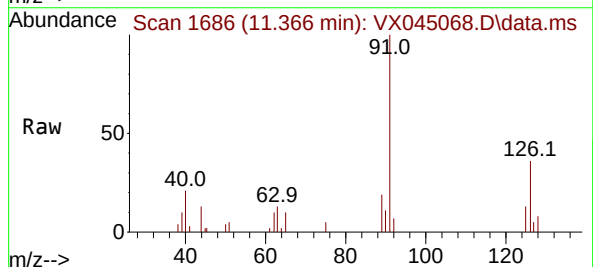
Manual Integrations
APPROVED

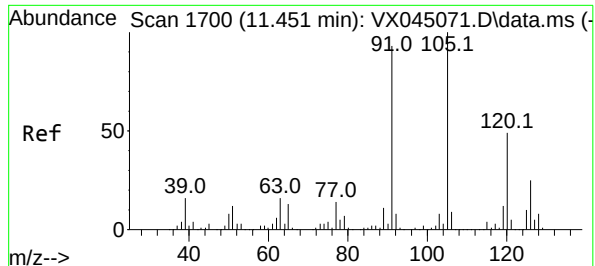
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

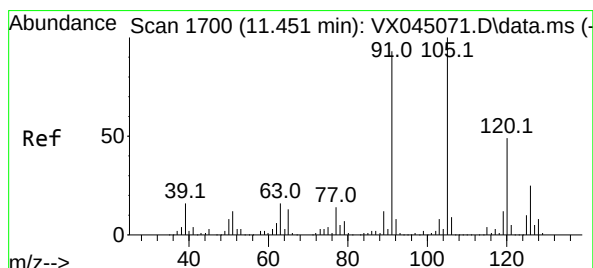
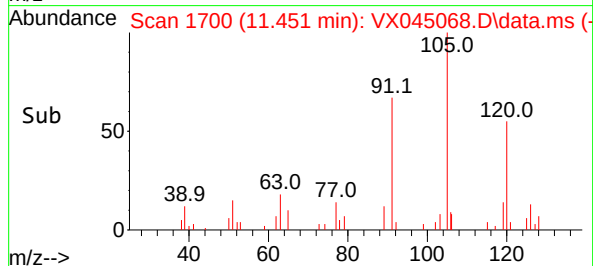
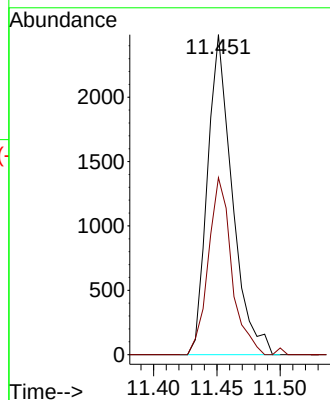
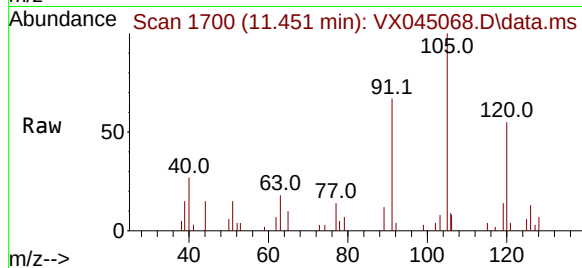
120 52.2 24.1 72.2

Manual Integrations

APPROVED

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

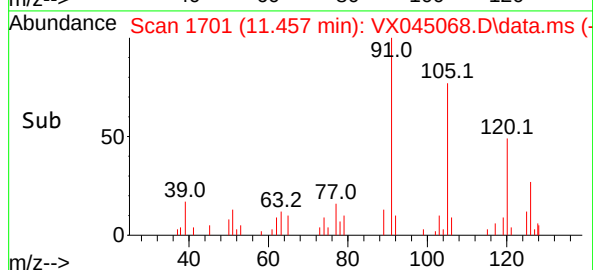
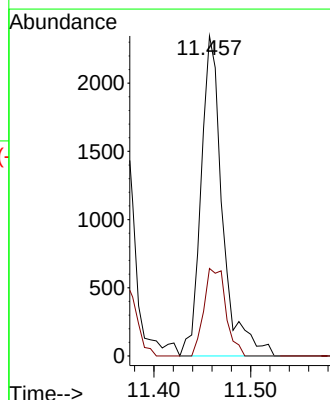
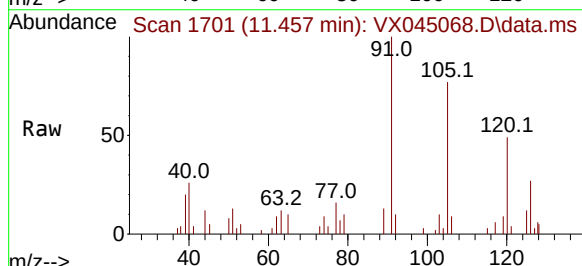
Acq: 28 Feb 2025 01:27

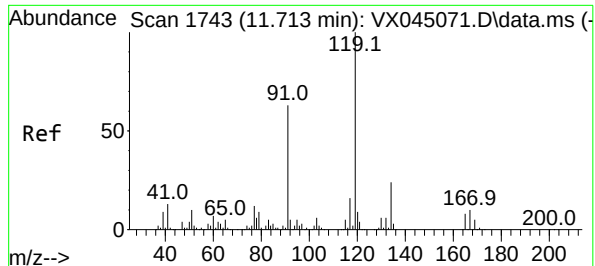
Tgt Ion: 91 Resp: 3631

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

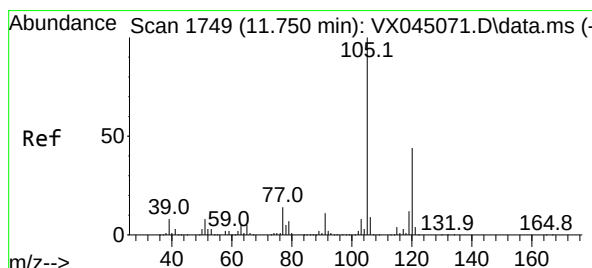
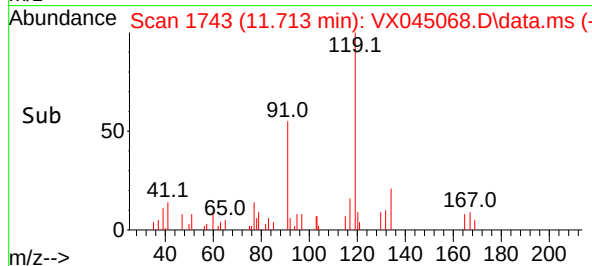
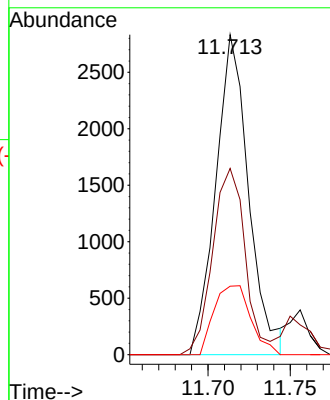
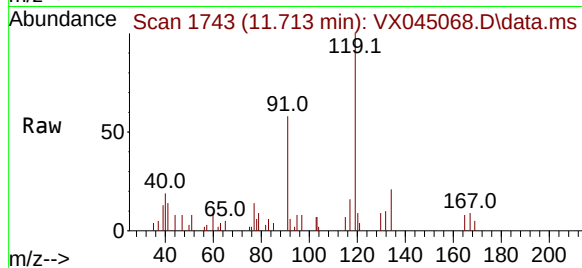
Tgt Ion:	119	Resp:	3928
Ion	Ratio	Lower	Upper
119	100		
91	57.7	30.7	92.1
134	24.2	11.7	35.0

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

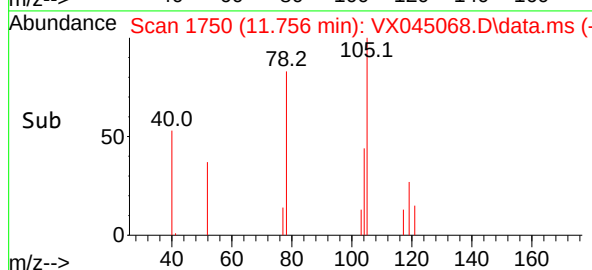
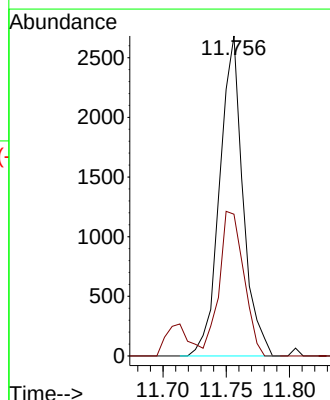
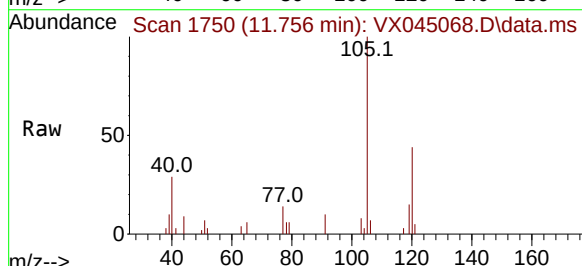
RT: 11.756 min Scan# 1750

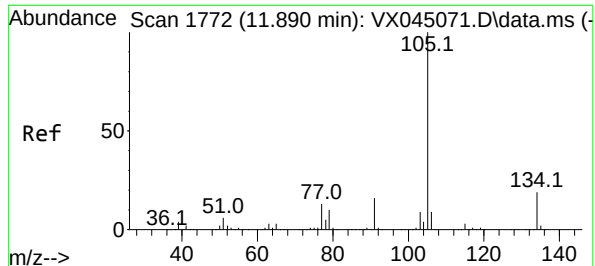
Delta R.T. 0.006 min

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

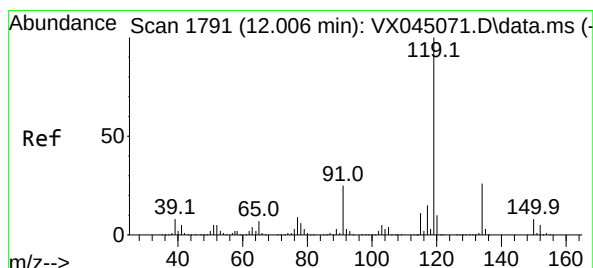
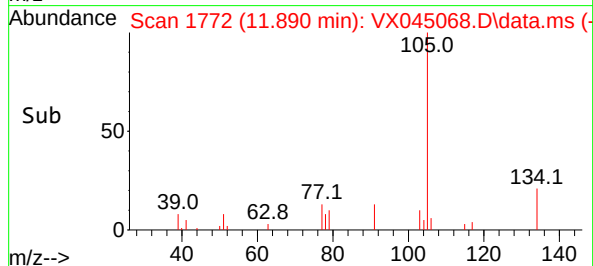
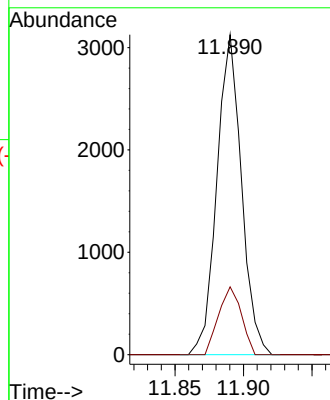
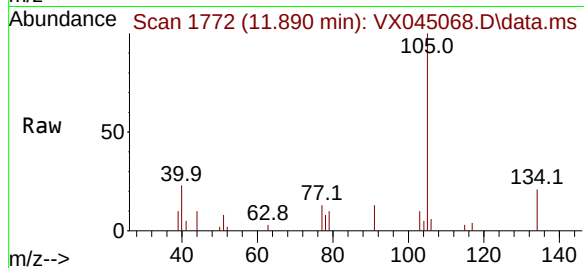
ClientSampleId :

VSTDICC001

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

Manual Integrations
APPROVED

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



#86

p-Isopropyltoluene

Concen: 0.797 ug/l

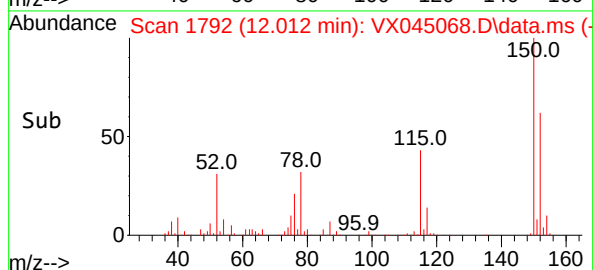
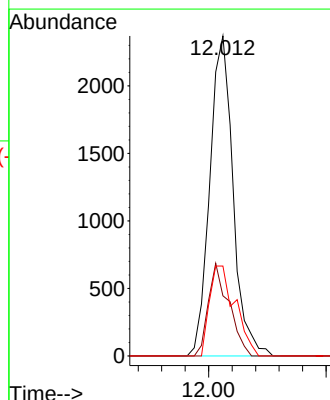
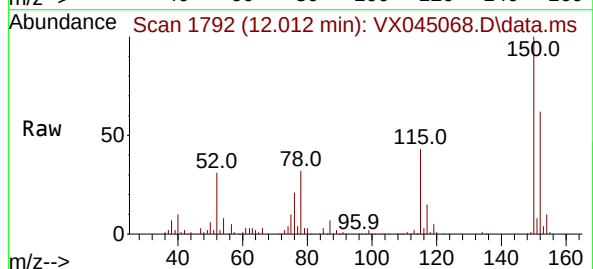
RT: 12.012 min Scan# 1792

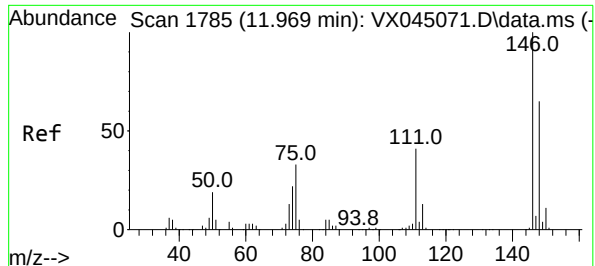
Delta R.T. 0.006 min

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

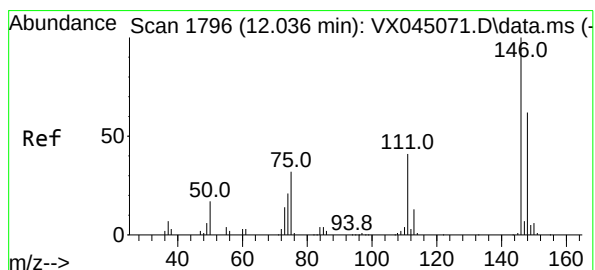
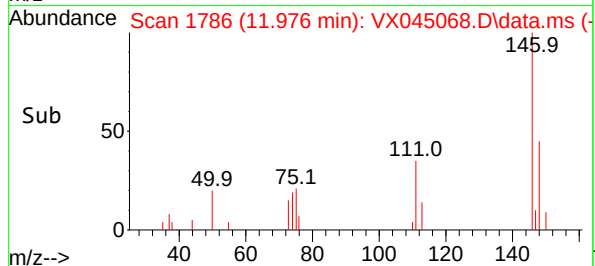
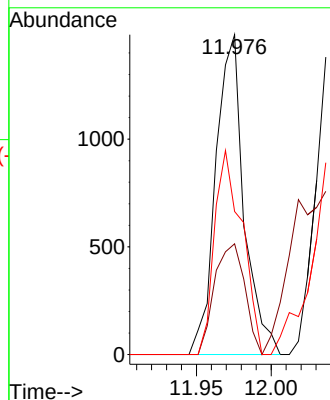
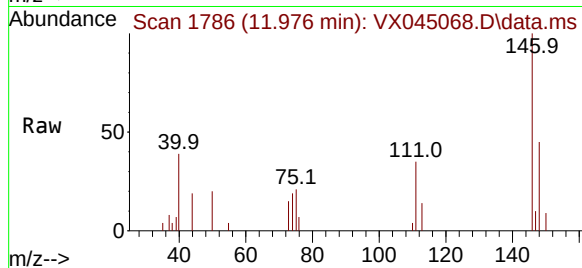
Tgt Ion:146	Resp:	1948
Ion Ratio	Lower	Upper
146	100	
111	37.1	21.1 63.4
148	62.4	31.9 95.7

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

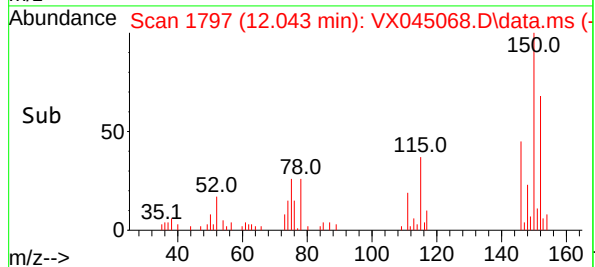
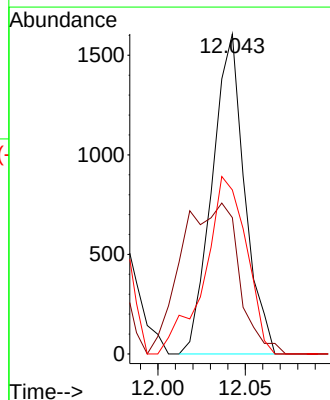
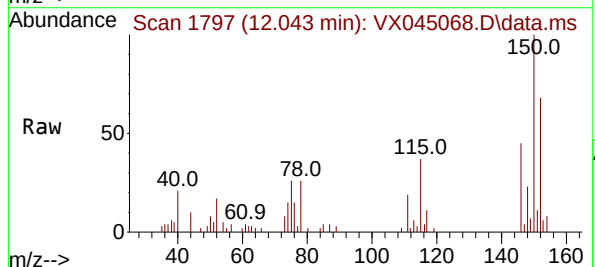
RT: 12.043 min Scan# 1797

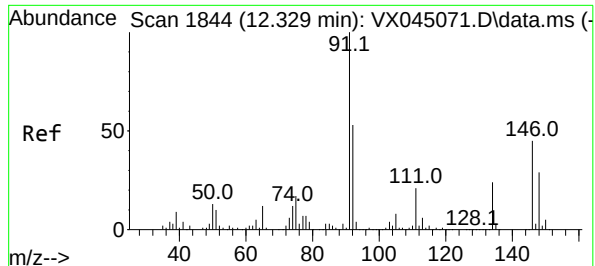
Delta R.T. 0.006 min

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# 1845

Delta R.T. 0.006 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

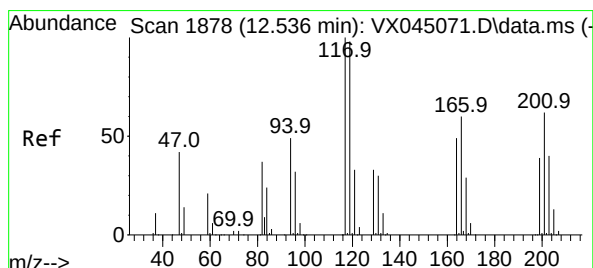
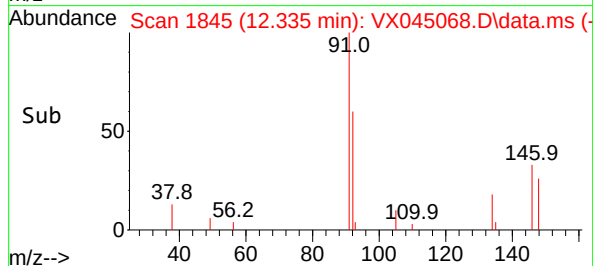
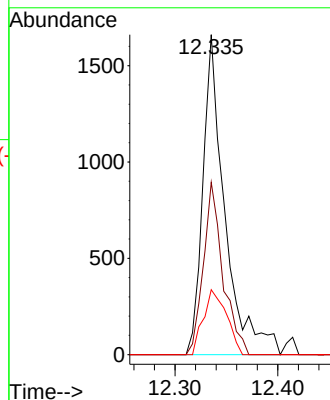
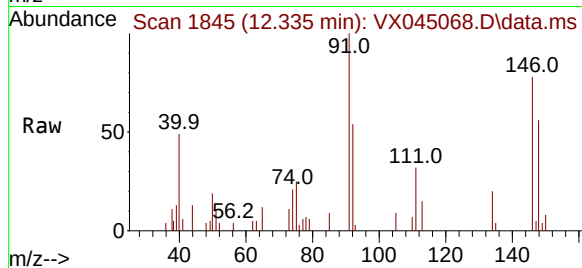
Tgt Ion:	91	Resp:	2470
Ion	Ratio	Lower	Upper
91	100		
92	48.0	26.7	80.0
134	21.4	12.2	36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#90

Hexachloroethane

Concen: 0.805 ug/l

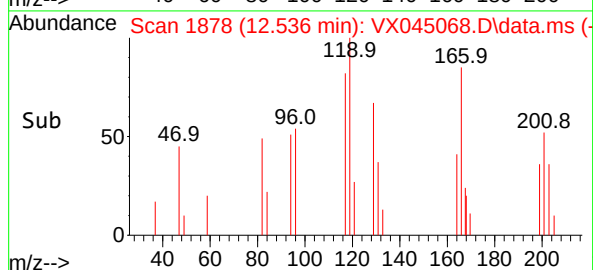
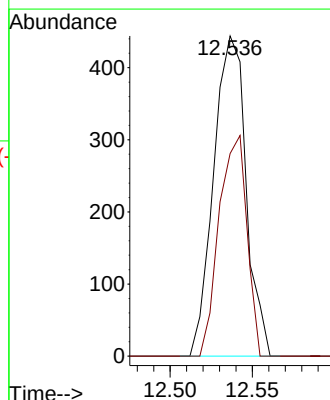
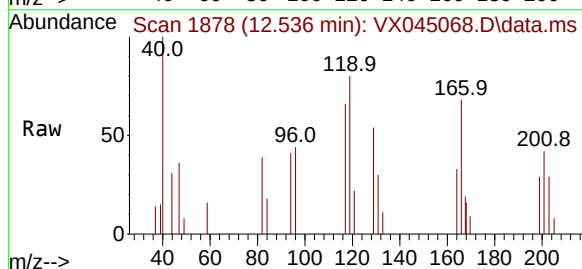
RT: 12.536 min Scan# 1878

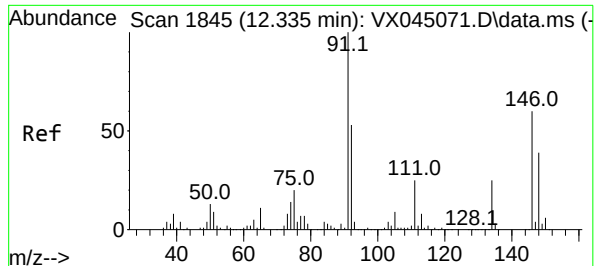
Delta R.T. 0.000 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

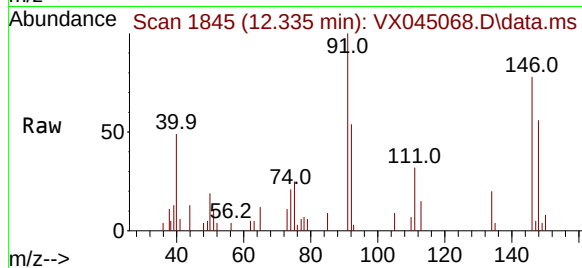
Tgt Ion:	117	Resp:	609
Ion	Ratio	Lower	Upper
117	100		
201	58.9	31.9	95.9





#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

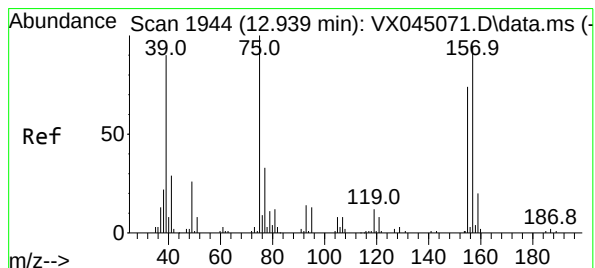
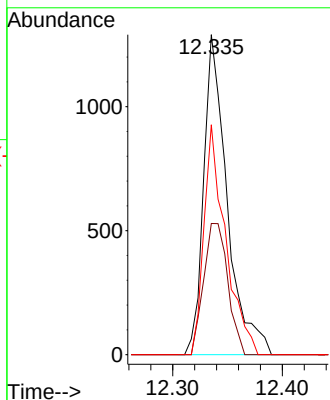
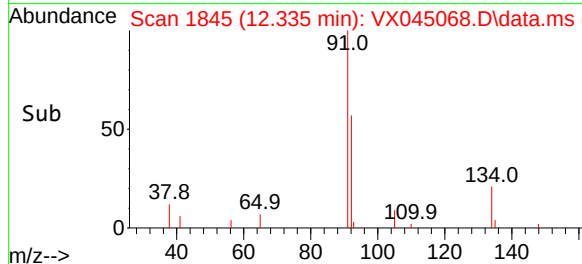
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001



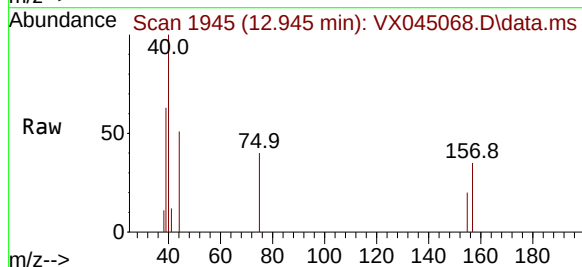
Tgt Ion: 146 Resp: 1918
Ion Ratio Lower Upper
146 100
111 42.0 21.6 65.0
148 66.1 31.9 95.9

Manual Integrations
APPROVED

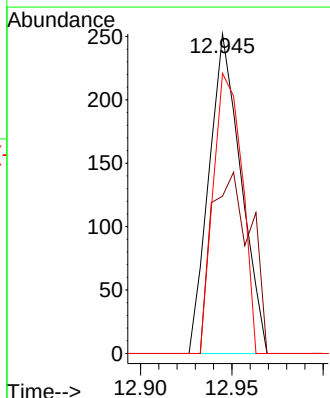
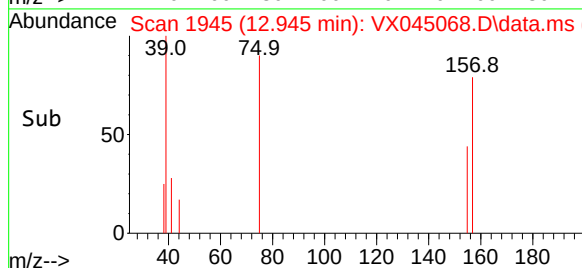
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

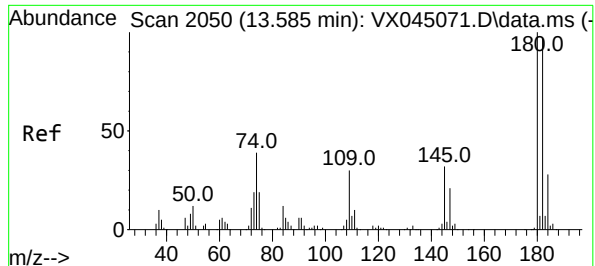


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.859 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27



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 :

VSTDIC001

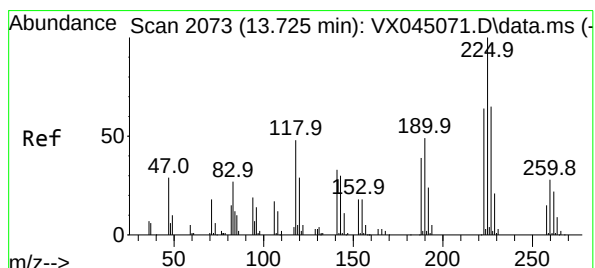
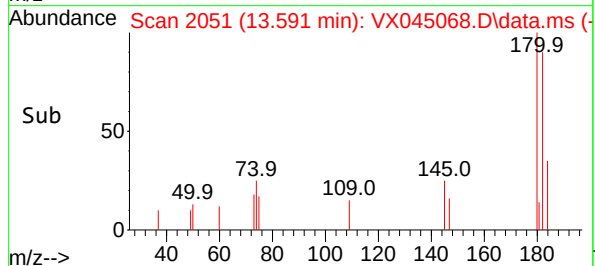
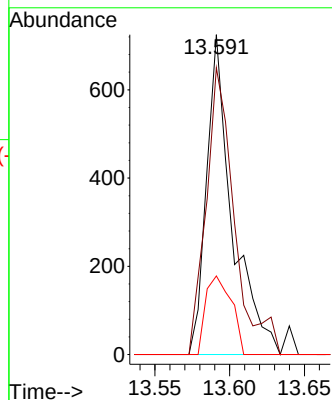
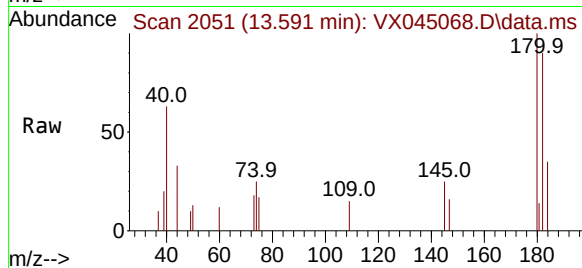
Tgt Ion:180	Resp:	860
Ion Ratio	Lower	Upper
180	100	
182	98.7	47.3 141.9
145	24.5	16.3 48.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#94

Hexachlorobutadiene

Concen: 0.917 ug/l

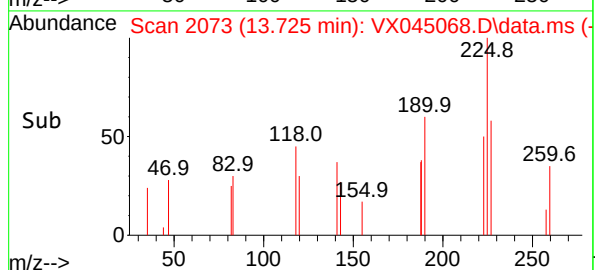
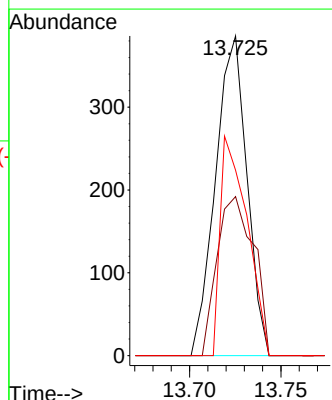
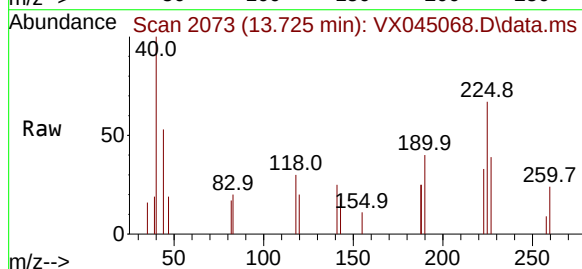
RT: 13.725 min Scan# 2073

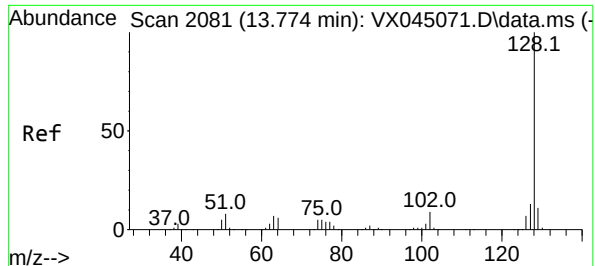
Delta R.T. 0.000 min

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 :

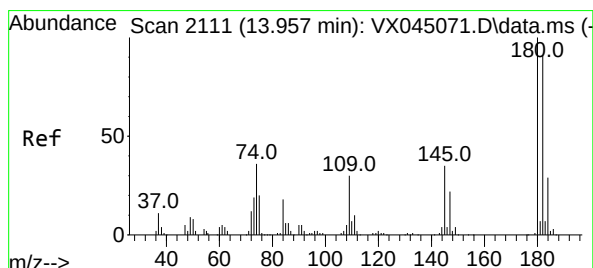
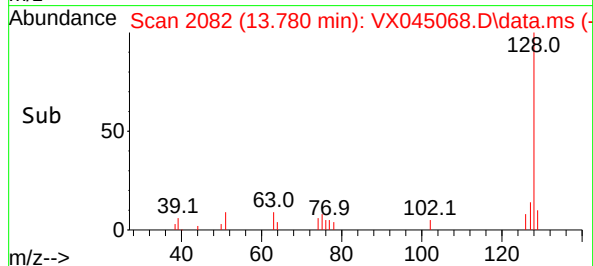
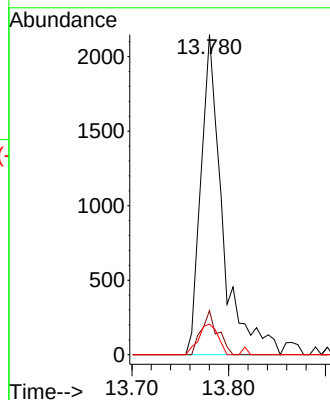
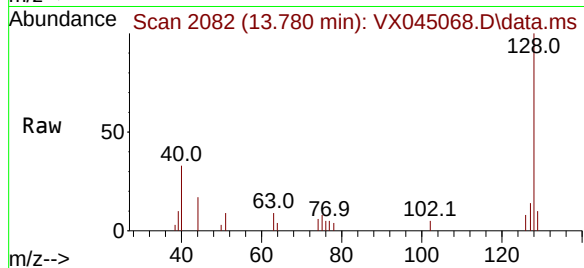
VSTDIC001

Tgt Ion	128	127	129
Ratio	100	10.5	8.6
Lower		10.3	8.7
Upper		15.5	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: 0.759 ug/l

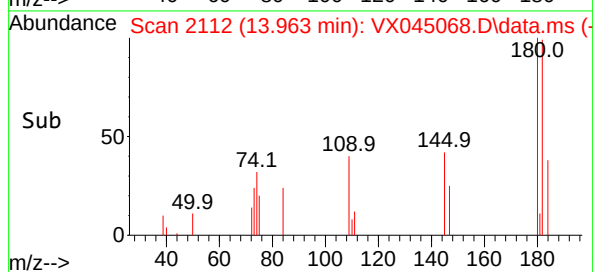
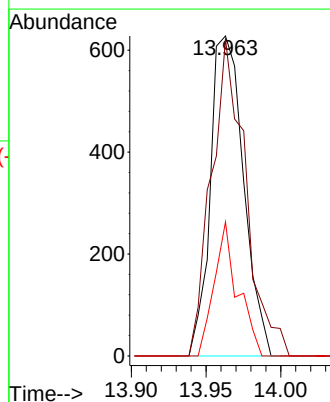
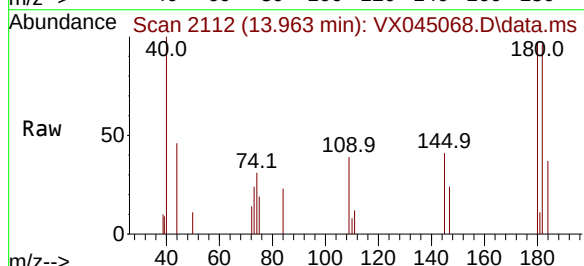
RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Tgt Ion	180	182	145
Ratio <td>100</td> <td>102.3</td> <td>29.8</td>	100	102.3	29.8
Lower <td></td> <td>47.5</td> <td>17.0</td>		47.5	17.0
Upper <td></td> <td>142.6</td> <td>50.9</td>		142.6	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 : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

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)
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

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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)
----------	------	------	----------	------	-------	----------

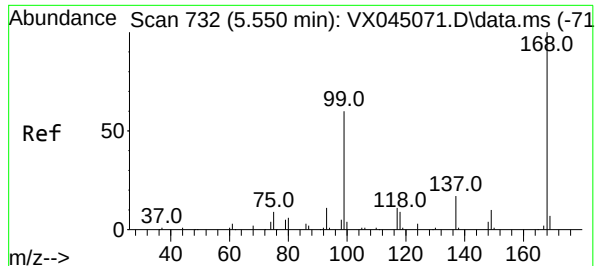
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations

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





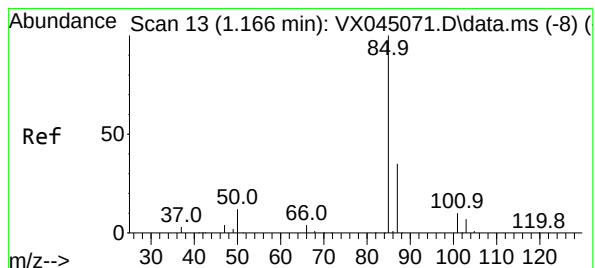
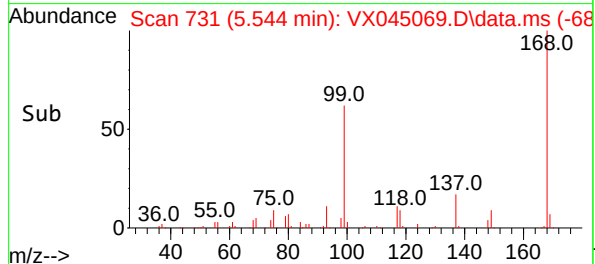
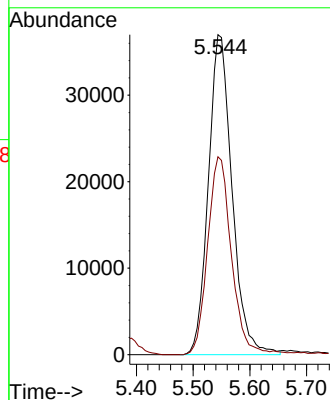
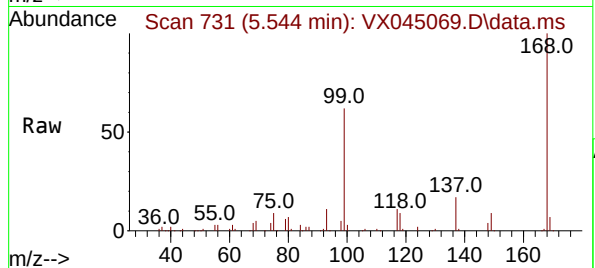
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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

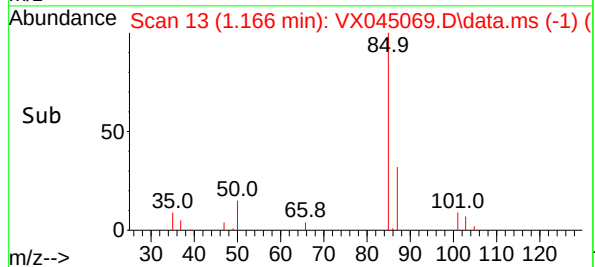
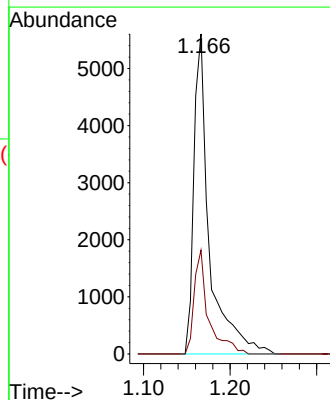
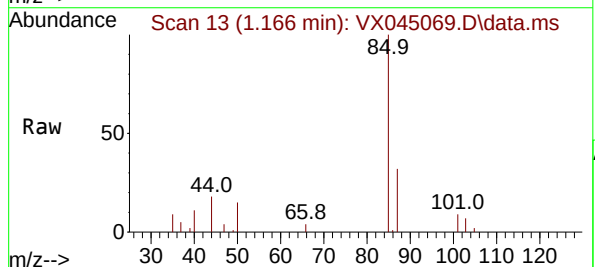
Manual Integrations
APPROVED

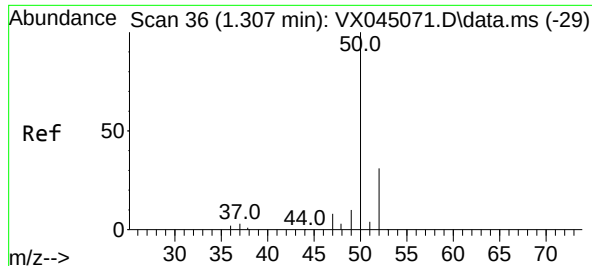
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#2
Dichlorodifluoromethane
Concen: 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





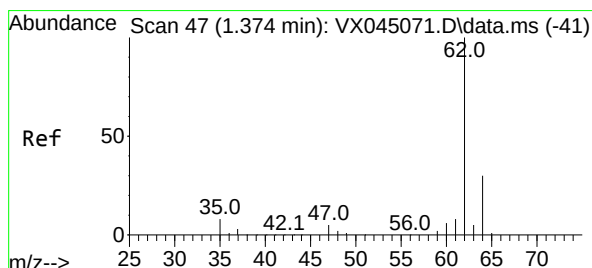
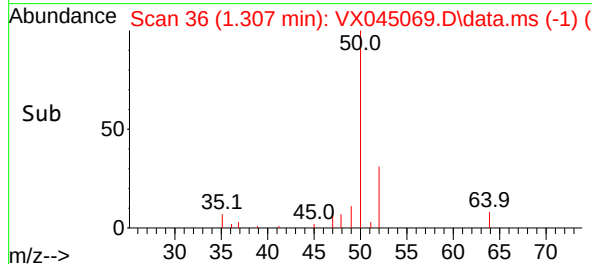
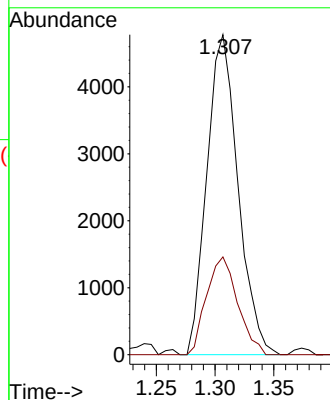
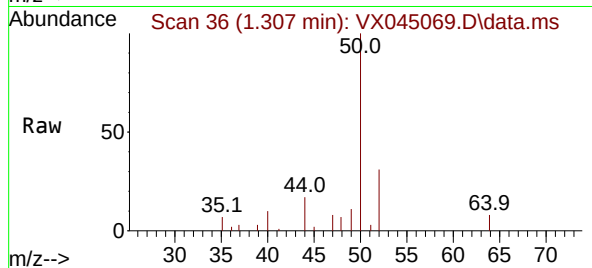
#3
Chloromethane
Concen: 4.896 ug/l
RT: 1.307 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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

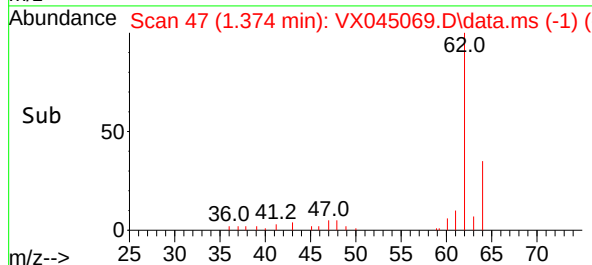
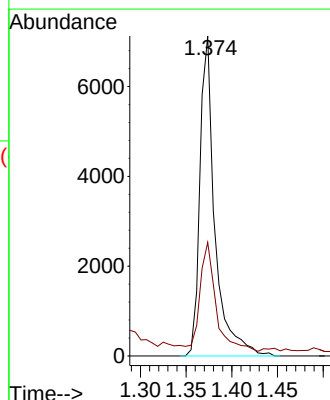
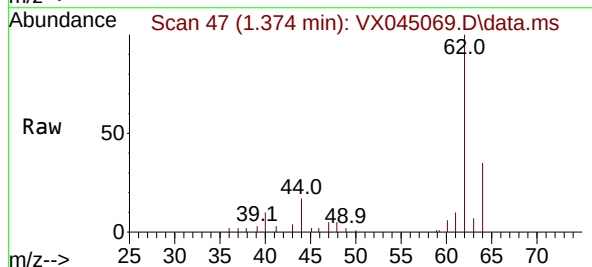
Manual Integrations
APPROVED

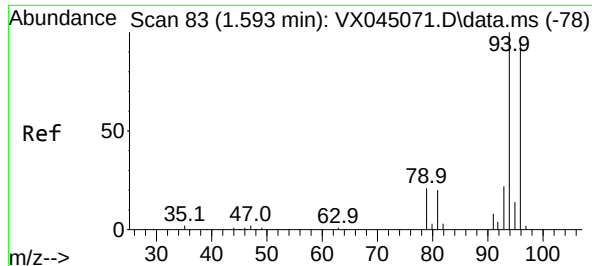
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#4
Vinyl Chloride
Concen: 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





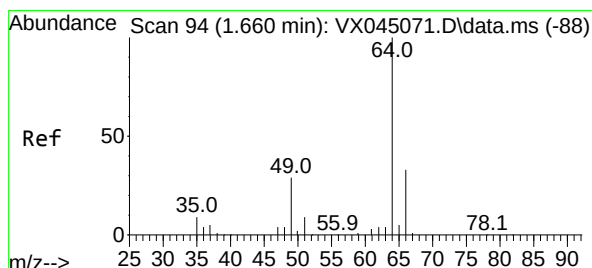
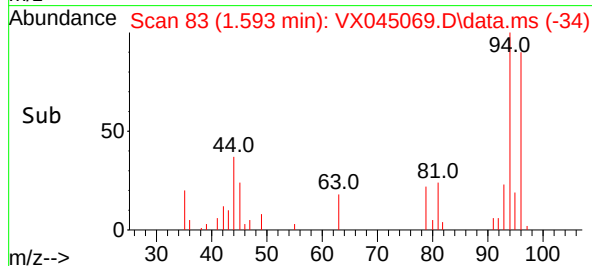
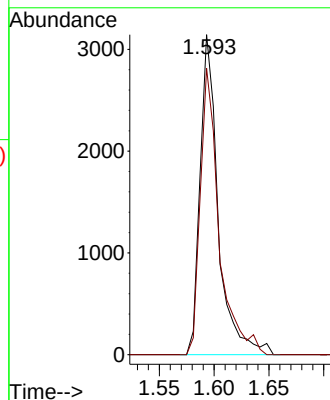
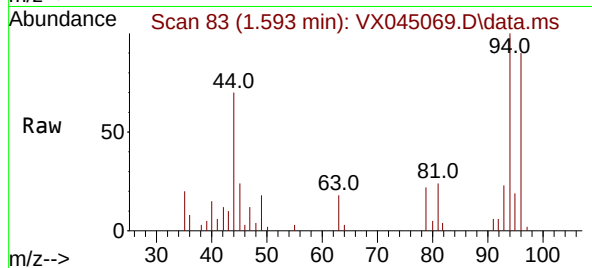
#5
Bromomethane
Concen: 6.582 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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

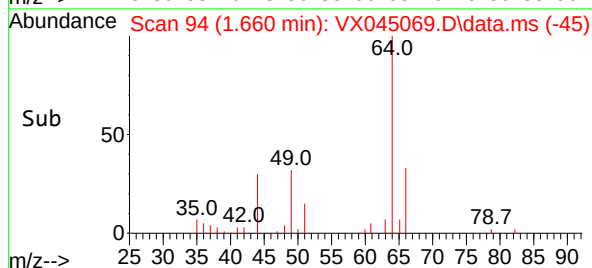
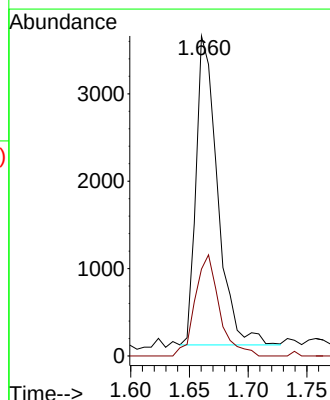
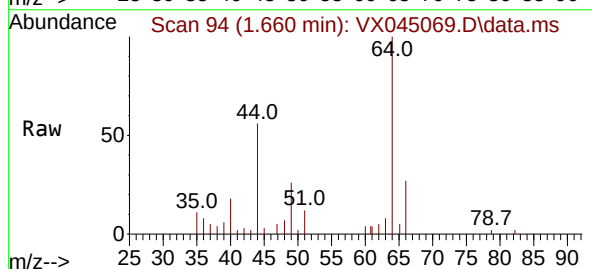
Manual Integrations
APPROVED

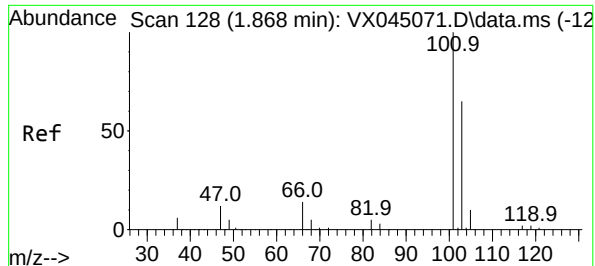
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

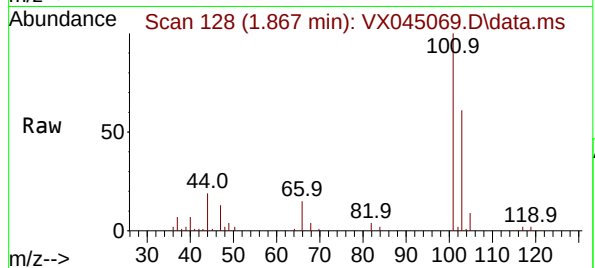
Tgt Ion: 64 Resp: 4517
Ion Ratio Lower Upper
64 100
66 28.1 26.7 40.1





#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

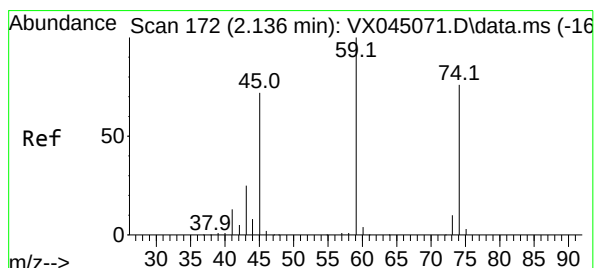
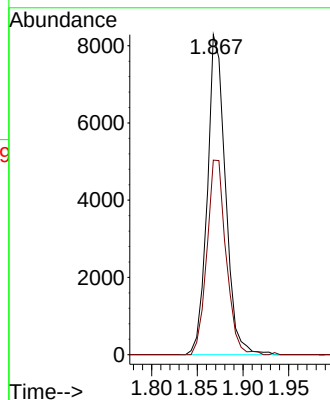
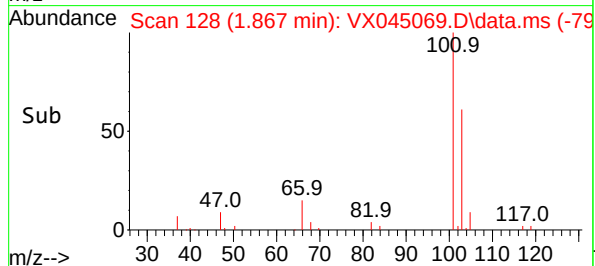
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



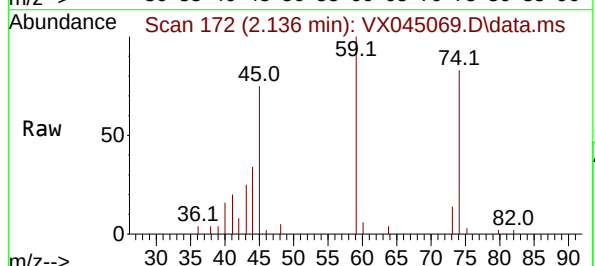
Tgt Ion:101 Resp: 1139
Ion Ratio Lower Upper
101 100
103 60.8 52.1 78.1

Manual Integrations
APPROVED

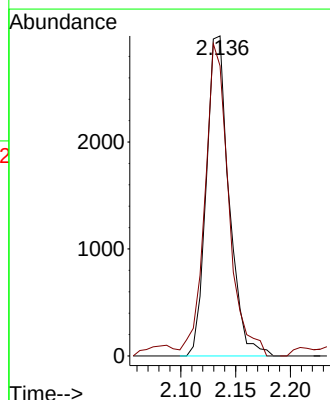
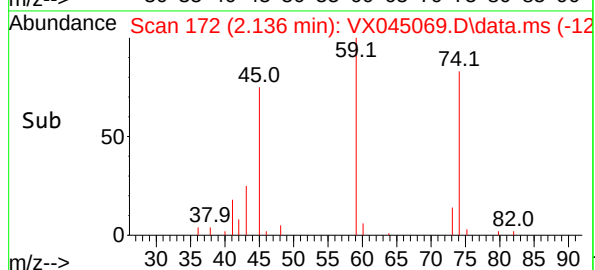
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

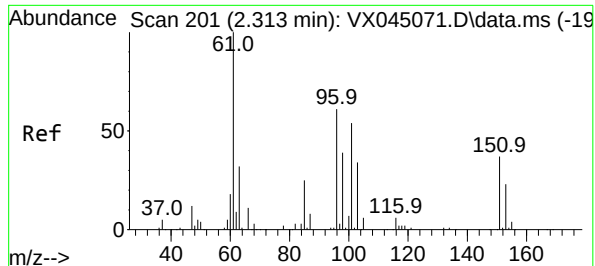


#8
Diethyl Ether
Concen: 5.268 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13



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 :

VSTDICC005

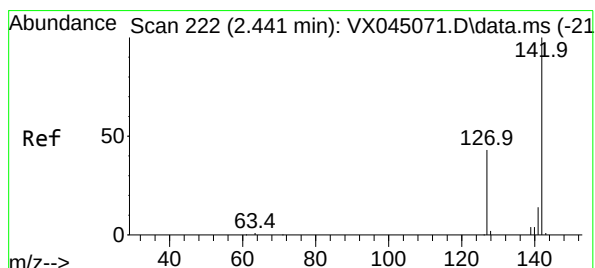
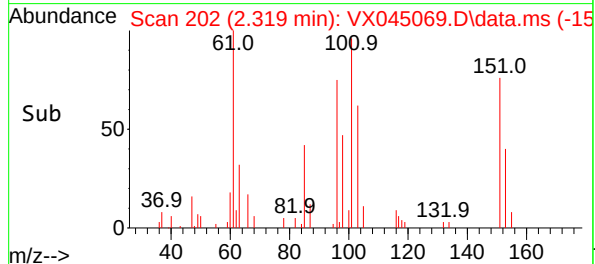
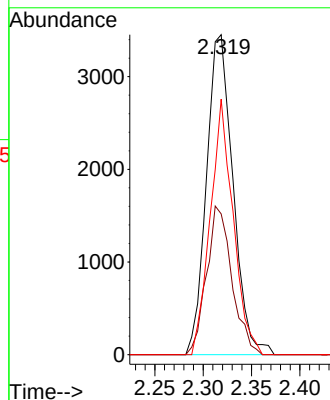
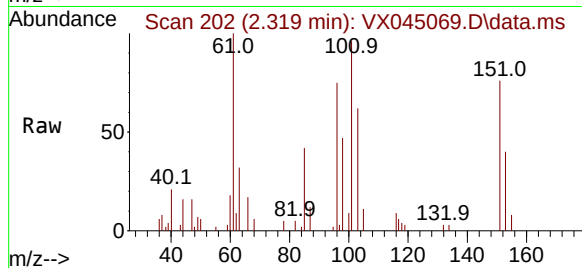
Tgt Ion:	101	Resp:	6580
Ion	Ratio	Lower	Upper
101	100		
85	44.4	36.2	54.4
151	69.0	56.4	84.6

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

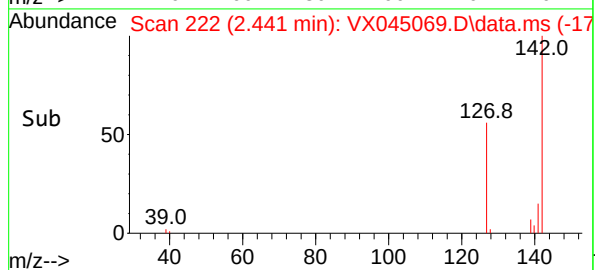
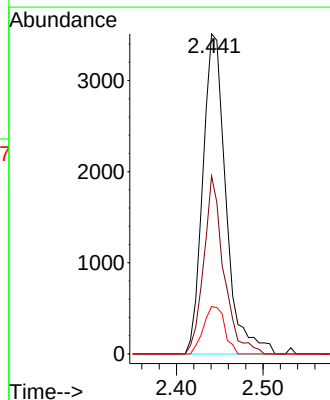
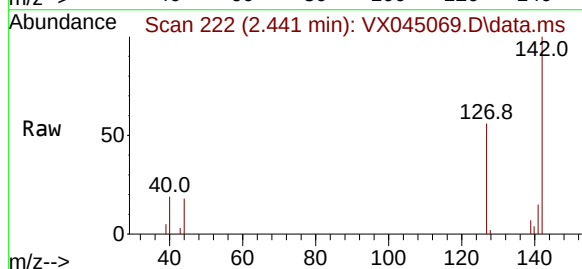
RT: 2.441 min Scan# 222

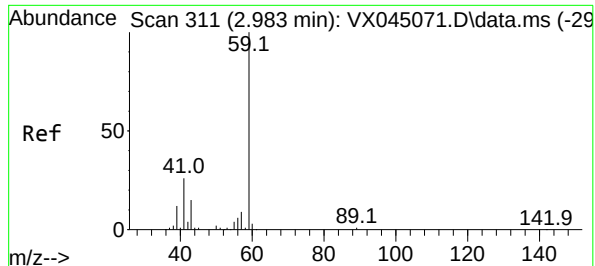
Delta R.T. -0.000 min

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 :

VSTDICC005

Tgt Ion: 59 Resp: 10164

Ion Ratio Lower Upper

59 100

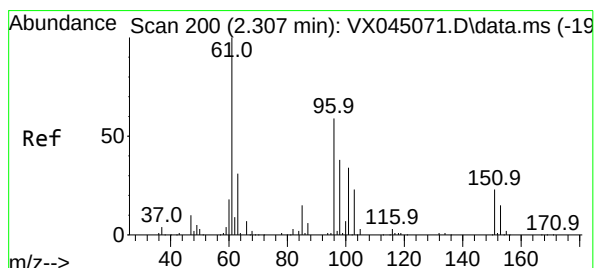
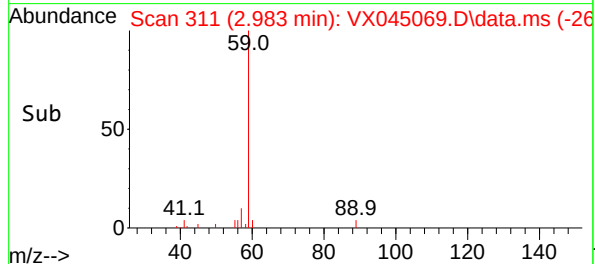
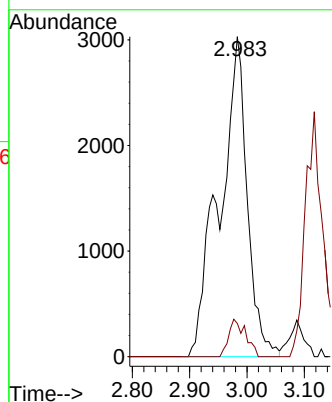
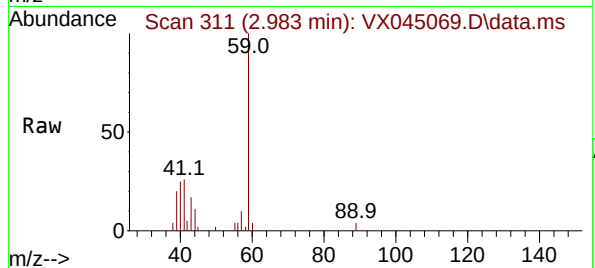
57 7.2 7.8 11.8

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

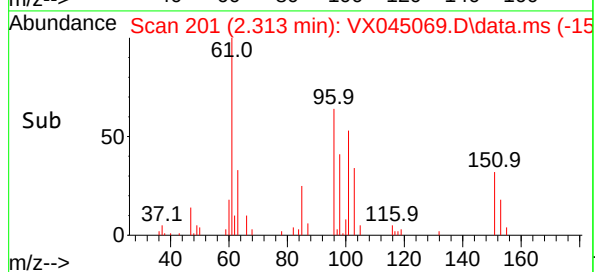
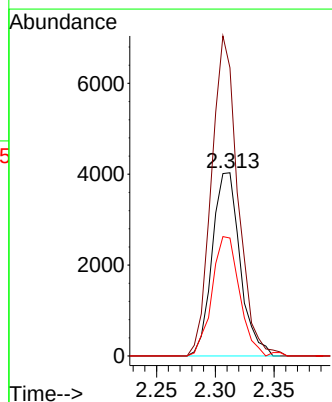
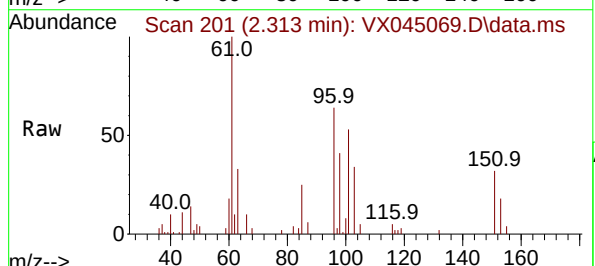
Tgt Ion: 96 Resp: 6658

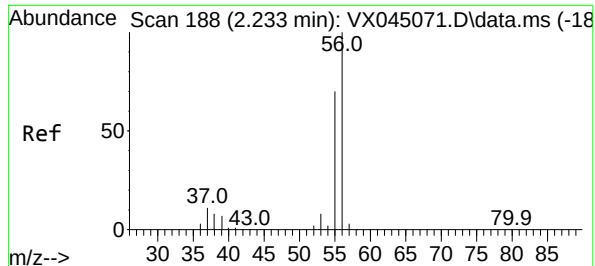
Ion Ratio Lower Upper

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 :

VSTDICC005

Tgt Ion: 56 Resp: 8725

Ion Ratio Lower Upper

56 100

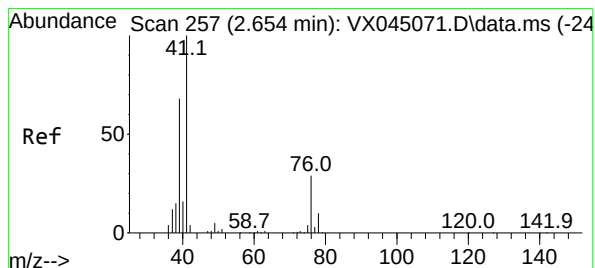
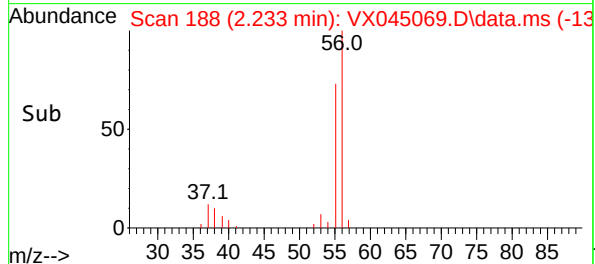
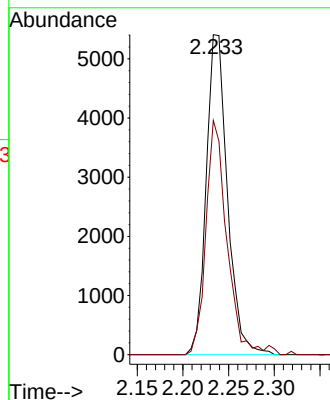
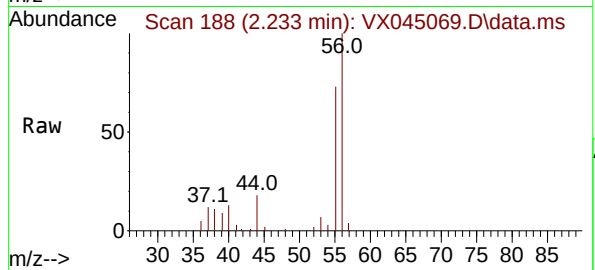
55 72.4 56.2 84.4

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

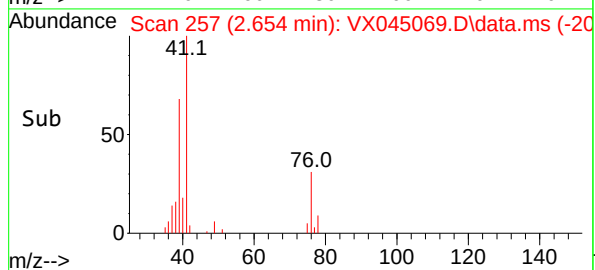
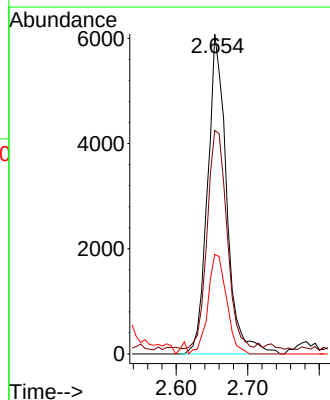
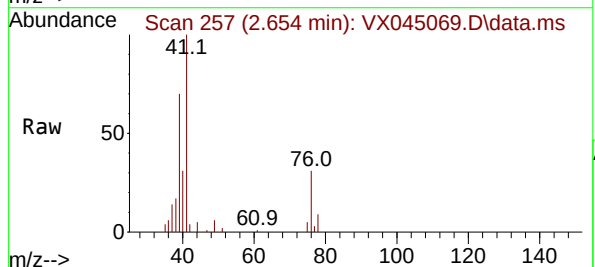
Tgt Ion: 41 Resp: 11244

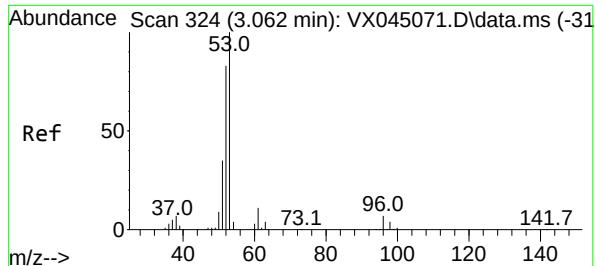
Ion Ratio Lower Upper

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

Instrument :

MSVOA_X

ClientSampleId :

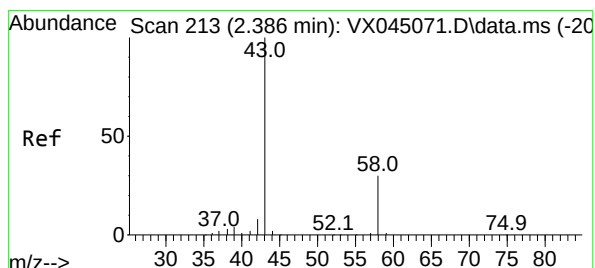
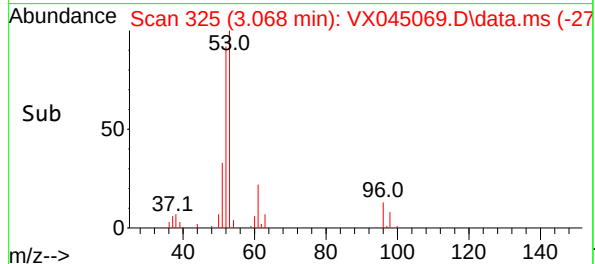
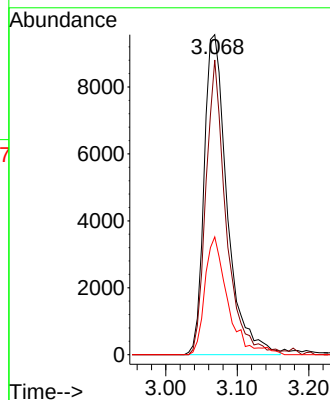
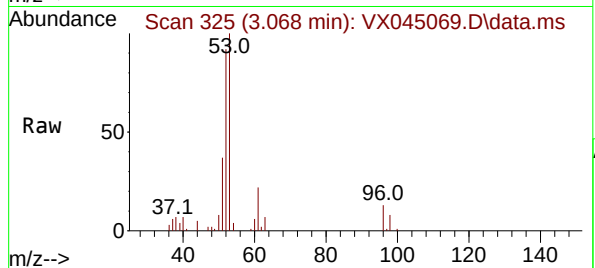
VSTDICC005

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

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#16

Acetone

Concen: 29.891 ug/l

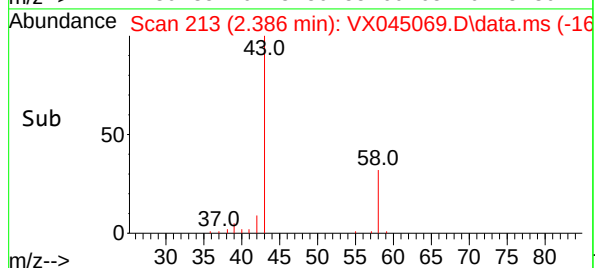
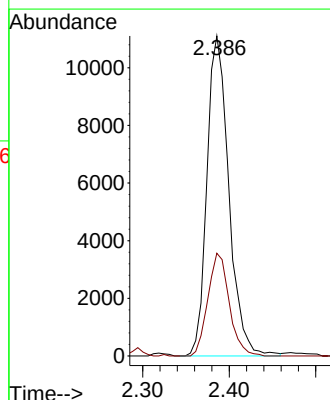
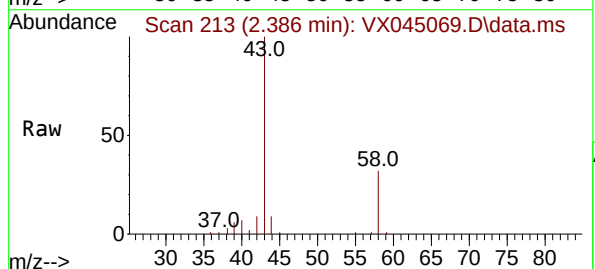
RT: 2.386 min Scan# 213

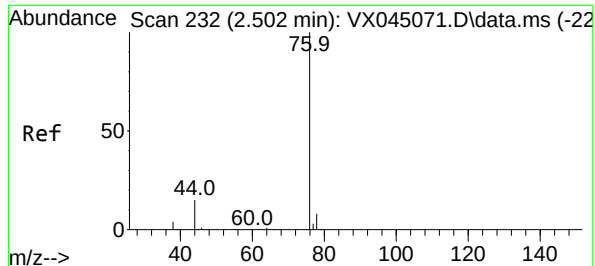
Delta R.T. -0.000 min

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





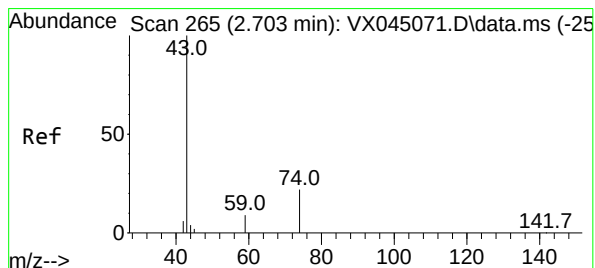
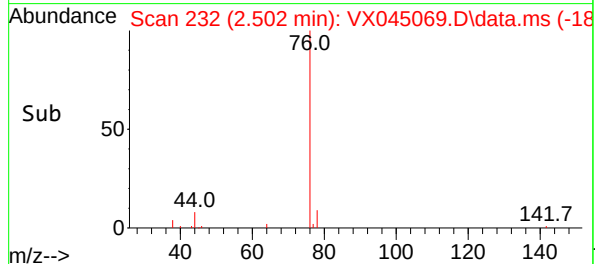
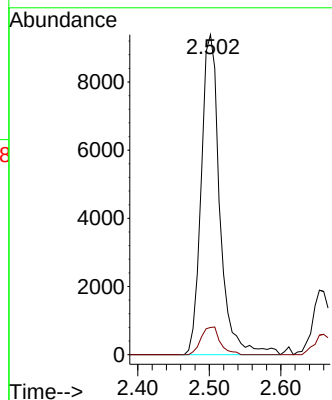
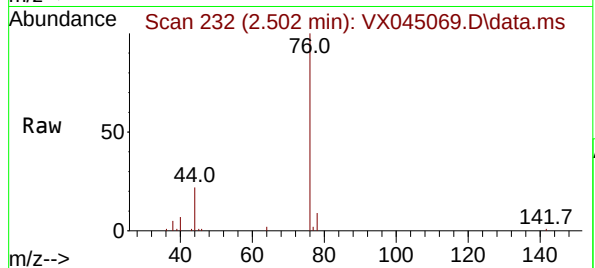
#17
Carbon Disulfide
Concen: 4.518 ug/l
RT: 2.502 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 16984
Ion Ratio Lower Upper
76 100
78 8.5 6.6 9.8

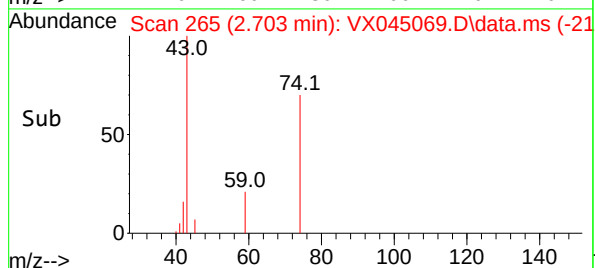
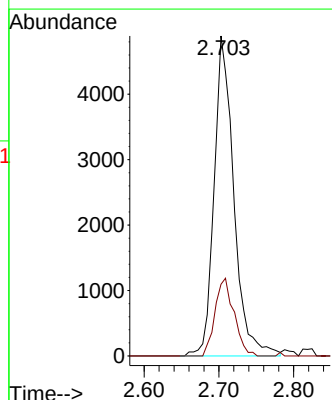
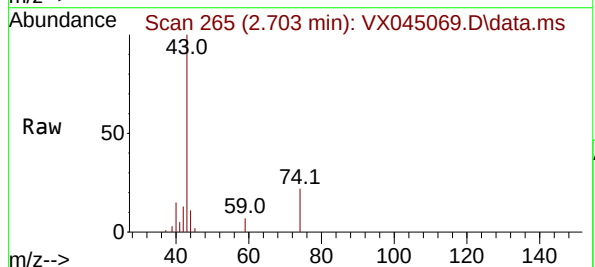
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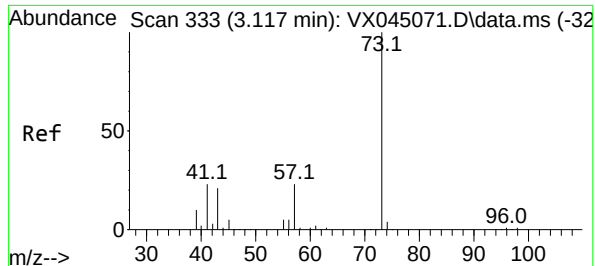
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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# 31

Delta R.T. -0.000 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 73 Resp: 20540

Ion Ratio Lower Upper

73 100

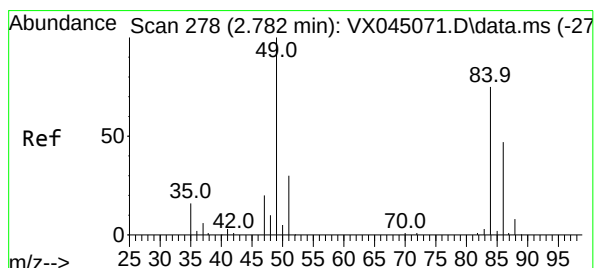
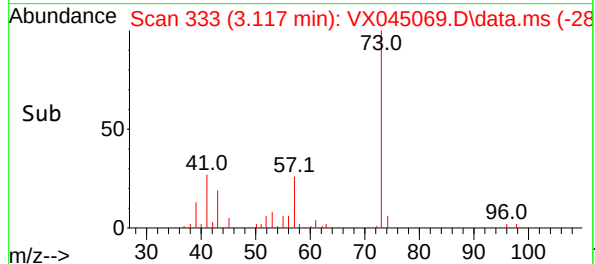
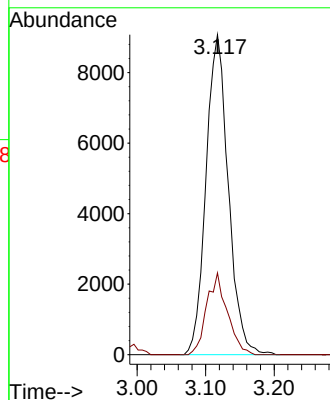
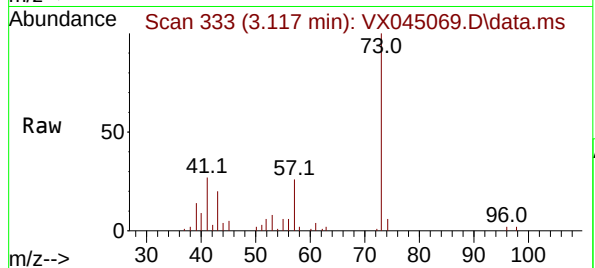
57 25.6 18.5 27.7

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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#20

Methylene Chloride

Concen: 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

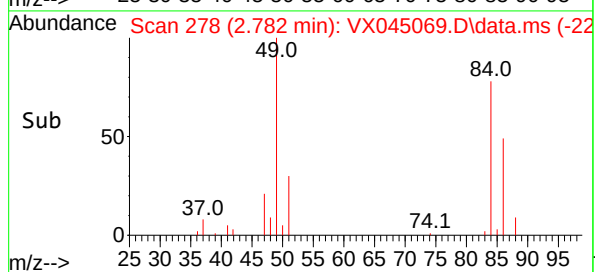
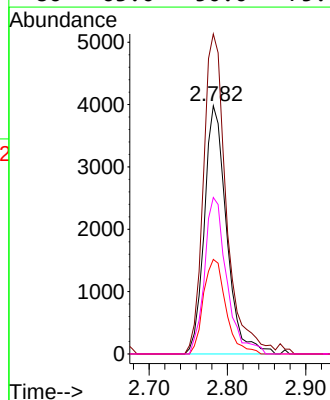
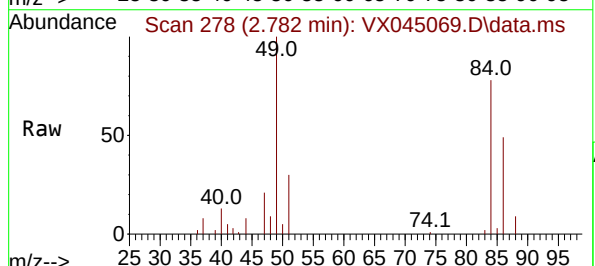
Ion Ratio Lower Upper

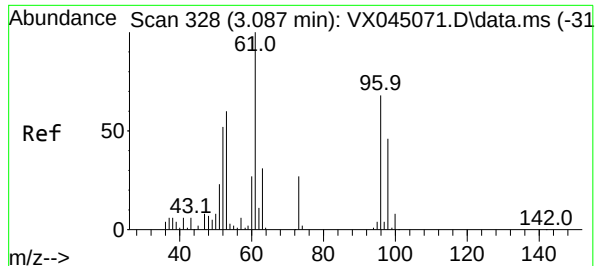
84 100

49 128.9 106.5 159.7

51 38.1 32.1 48.1

86 63.0 50.0 75.0





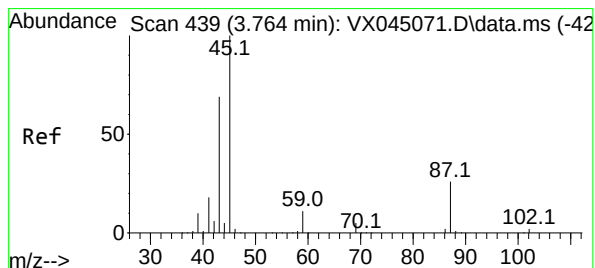
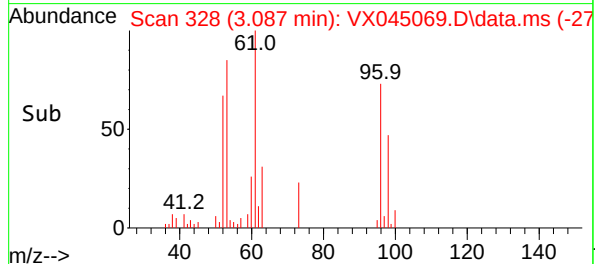
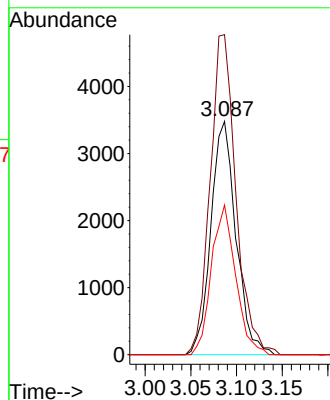
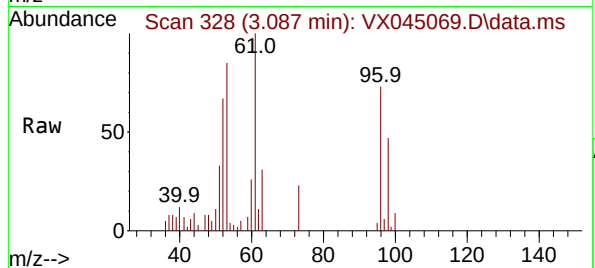
#21
trans-1,2-Dichloroethene
Concen: 4.895 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

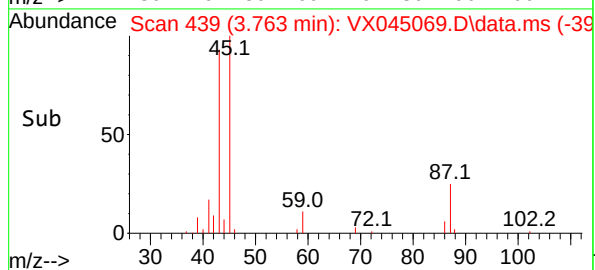
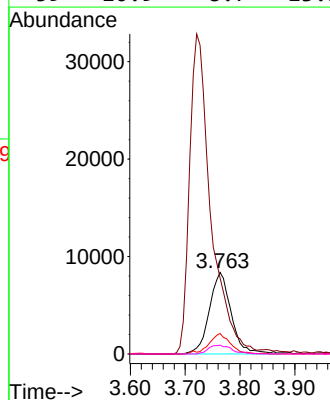
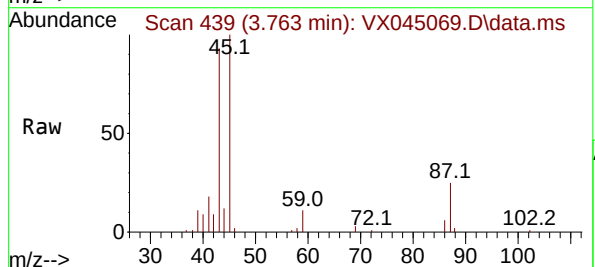
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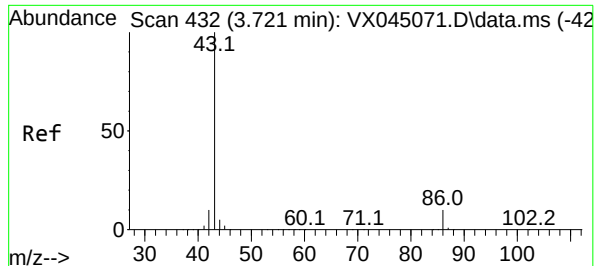
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





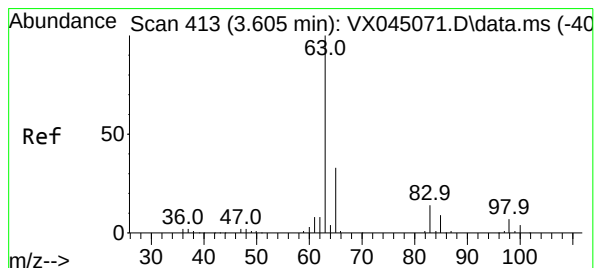
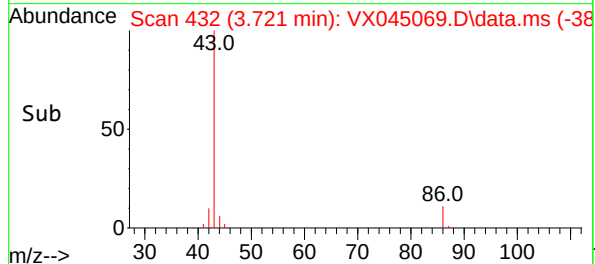
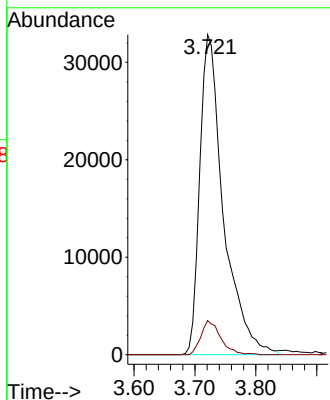
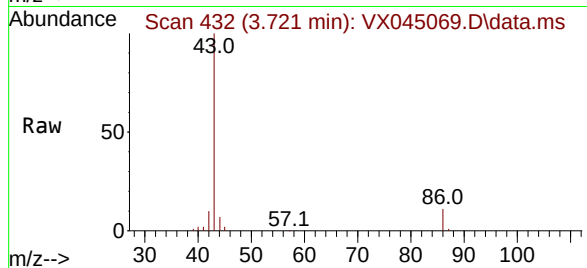
#23
Vinyl Acetate
Concen: 22.788 ug/l
RT: 3.721 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

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

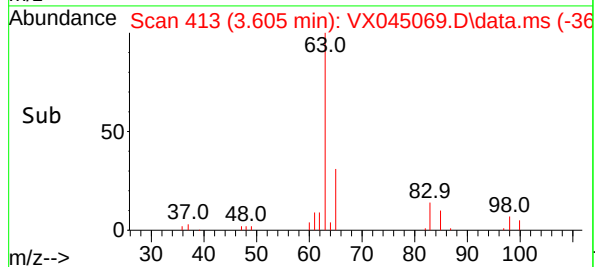
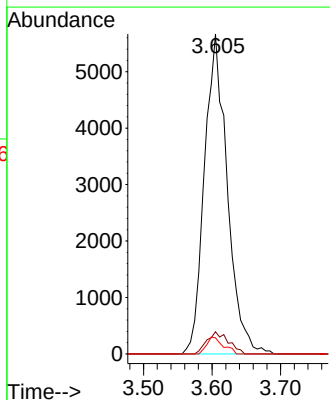
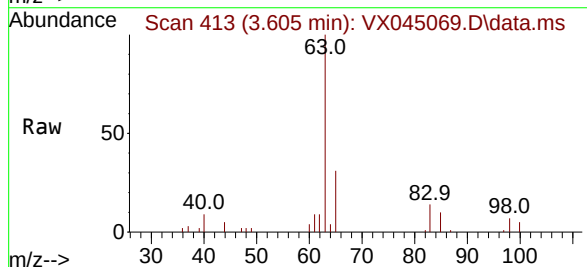
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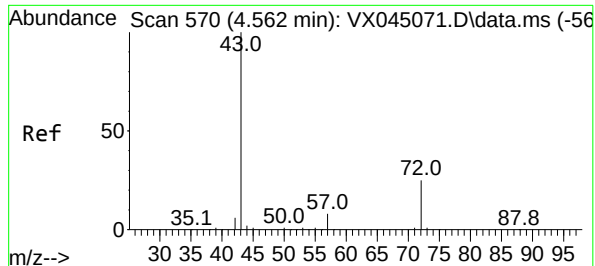
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#24
1,1-Dichloroethane
Concen: 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 :

VSTDICC005

Tgt Ion: 43 Resp: 2927

Ion Ratio Lower Upper

43 100

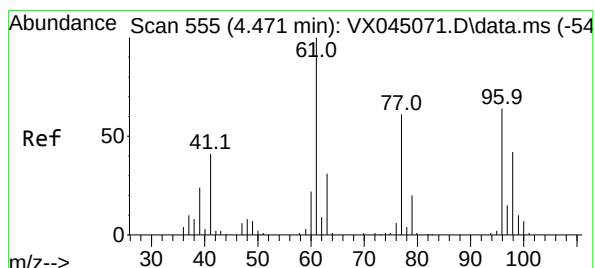
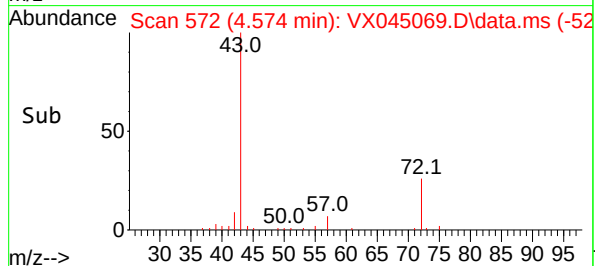
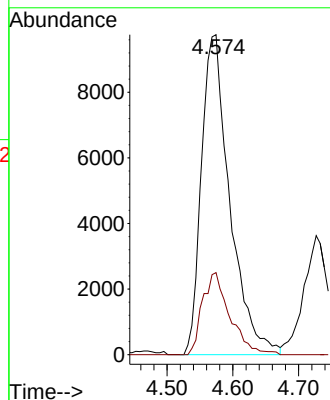
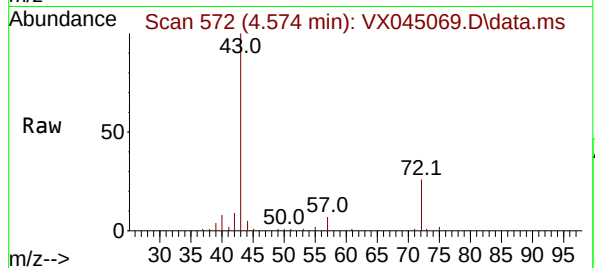
72 25.7 20.0 30.0

Manual Integrations

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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

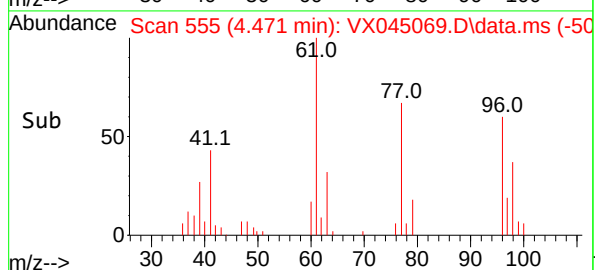
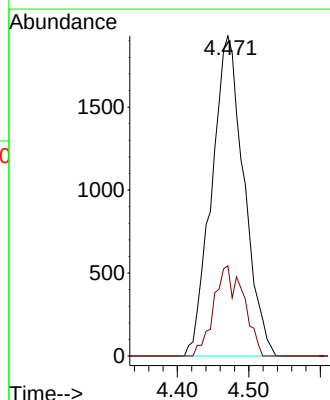
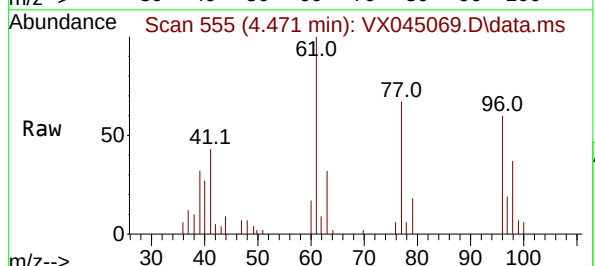
Acq: 28 Feb 2025 02:13

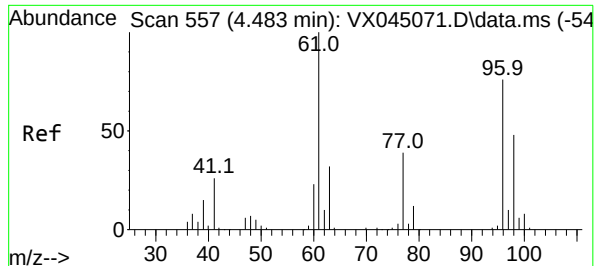
Tgt Ion: 77 Resp: 6034

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

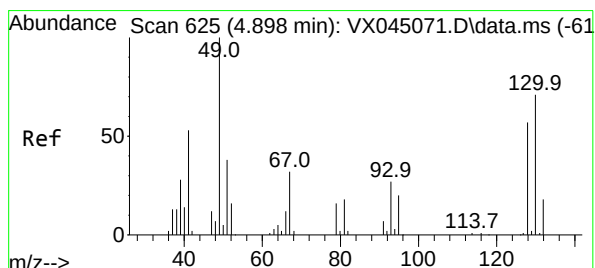
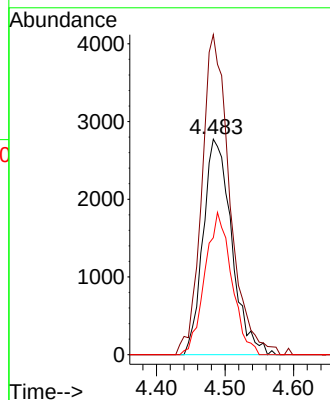
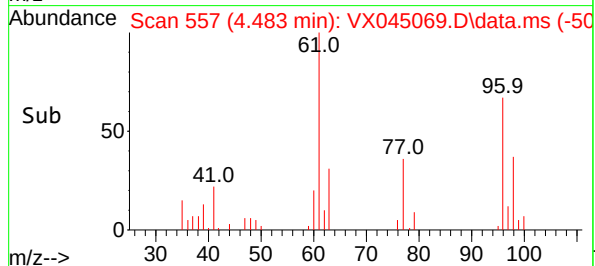
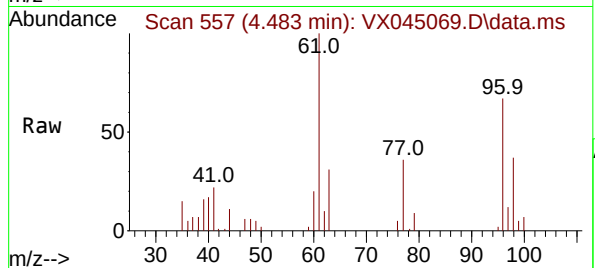
98 62.0 0.0 128.0

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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

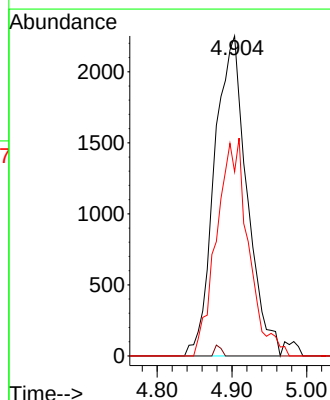
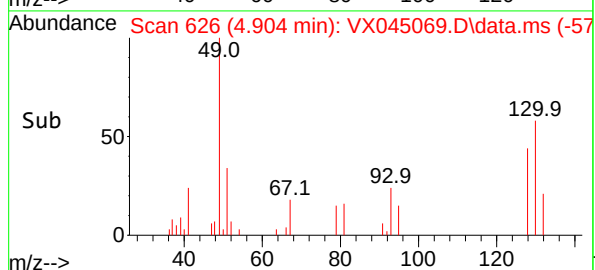
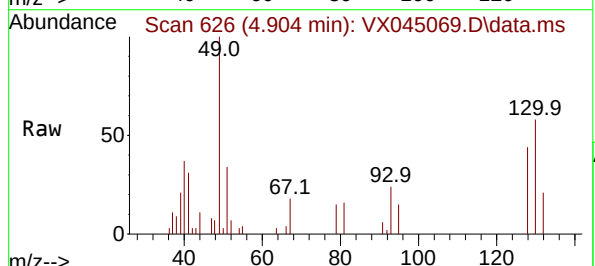
Tgt Ion: 49 Resp: 6797

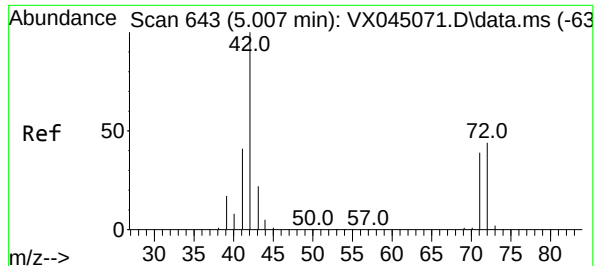
Ion Ratio Lower Upper

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 :

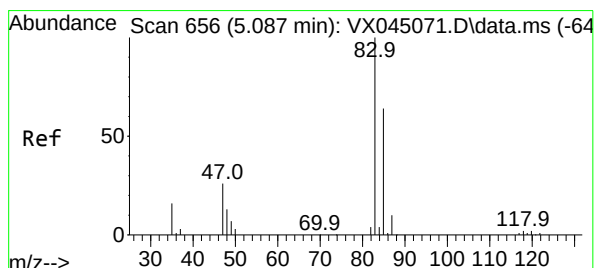
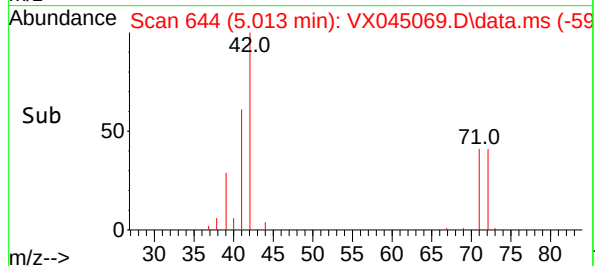
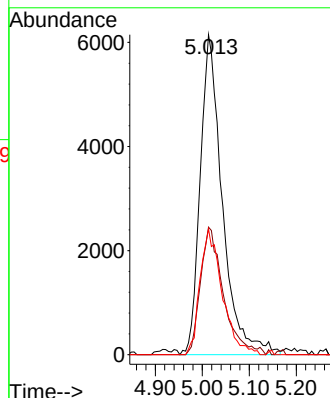
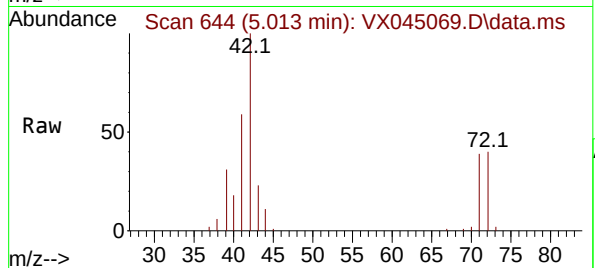
VSTDIC005

Tgt Ion:	42	Resp:	2018
Ion	Ratio	Lower	Upper
42	100		
72	41.2	34.1	51.1
71	39.3	31.4	47.0

Manual Integrations
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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#30

Chloroform

Concen: 5.159 ug/l

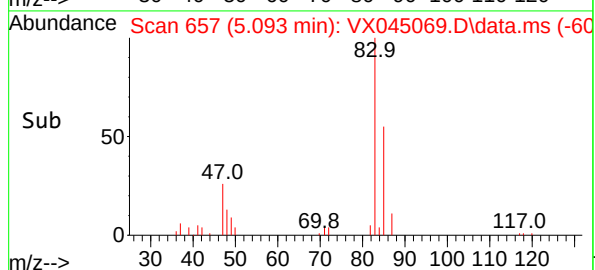
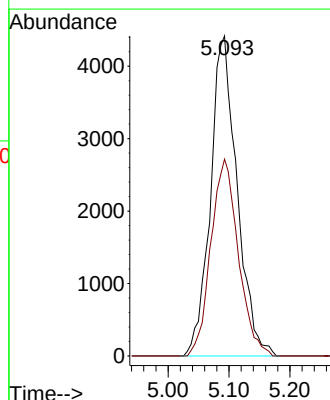
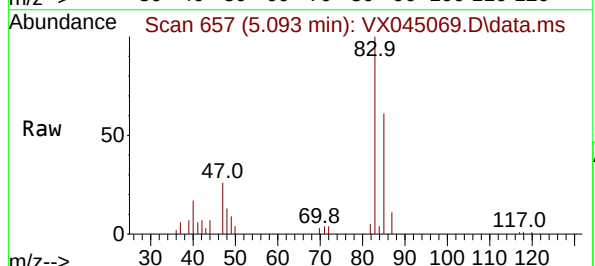
RT: 5.093 min Scan# 657

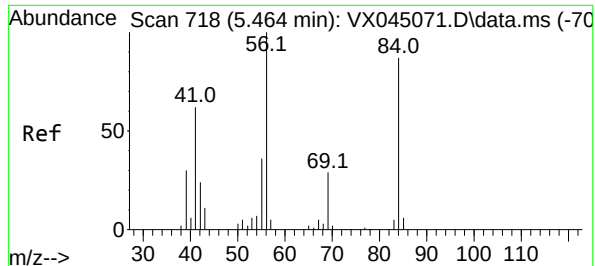
Delta R.T. 0.006 min

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

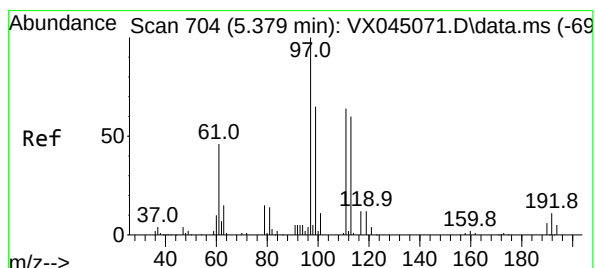
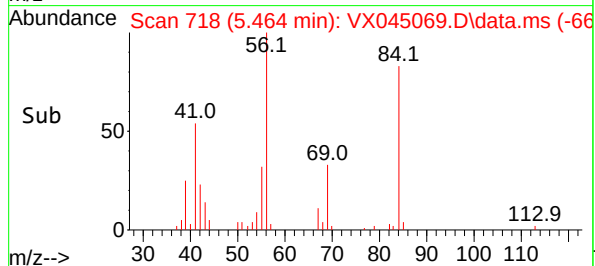
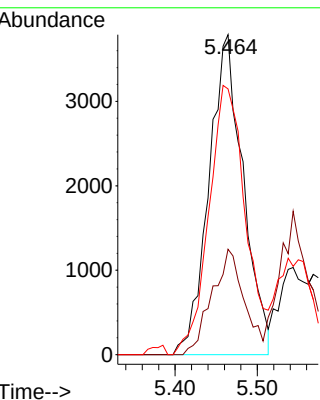
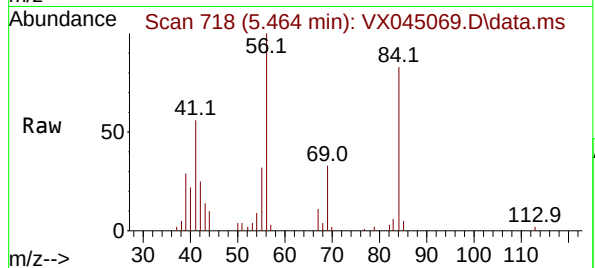
84 83.1 69.4 104.2

Manual Integrations

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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

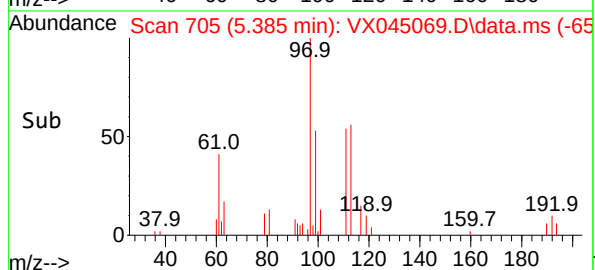
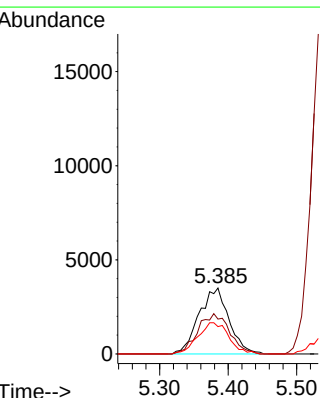
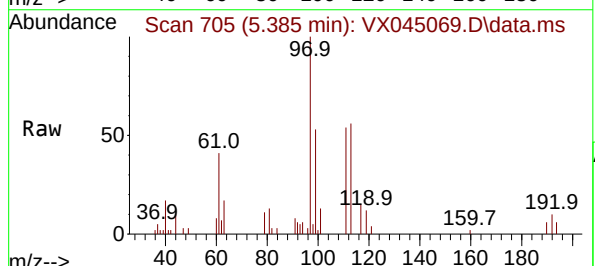
Tgt Ion: 97 Resp: 10654

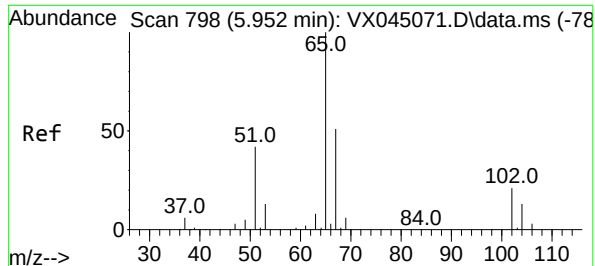
Ion Ratio Lower Upper

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# 80

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

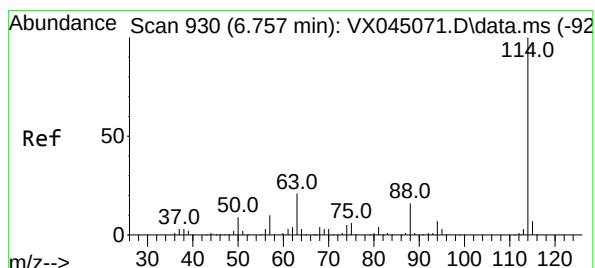
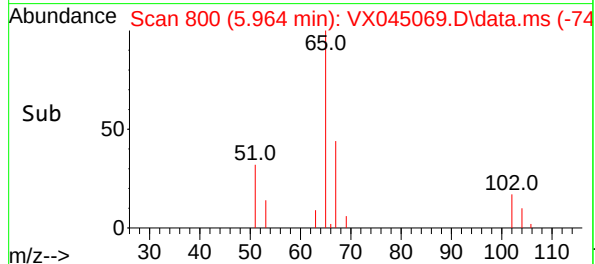
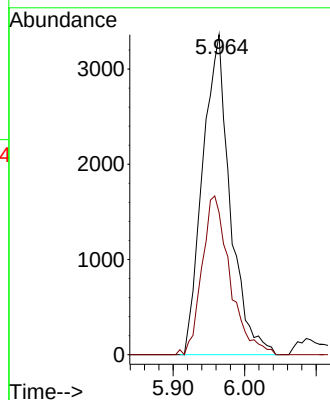
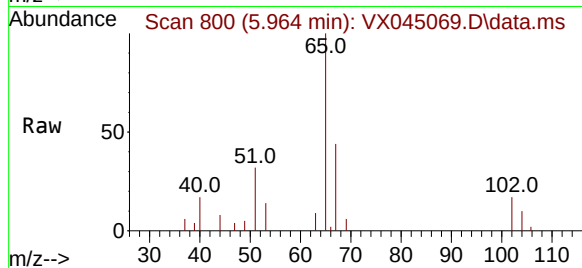
67 50.5 0.0 106.2

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

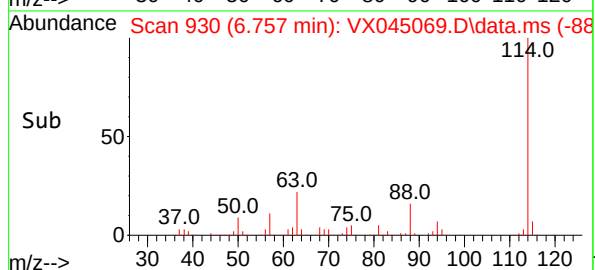
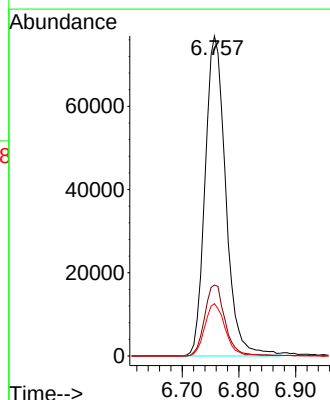
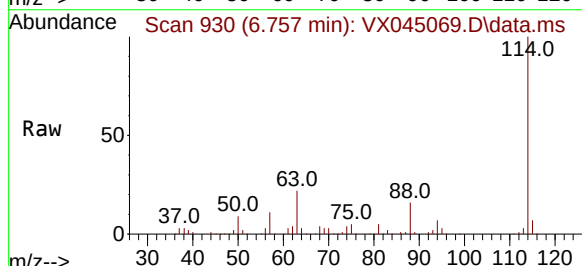
Tgt Ion:114 Resp: 194243

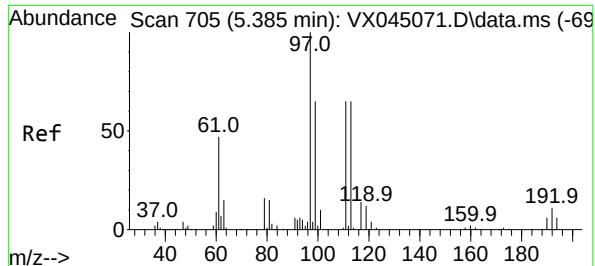
Ion Ratio Lower Upper

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 :

VSTDICC005

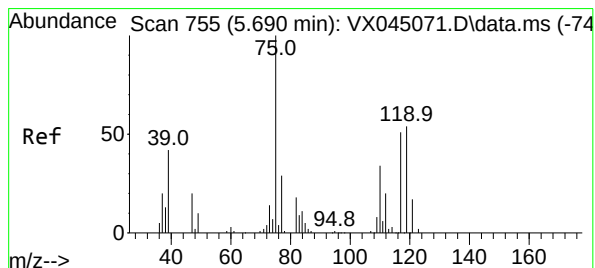
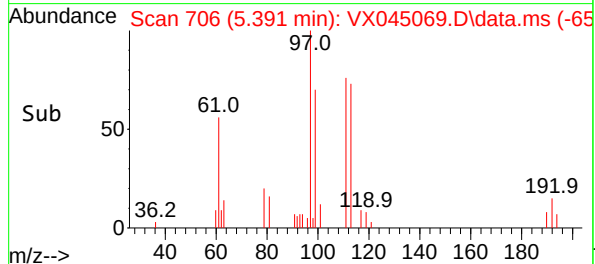
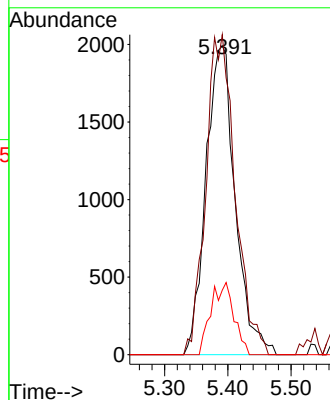
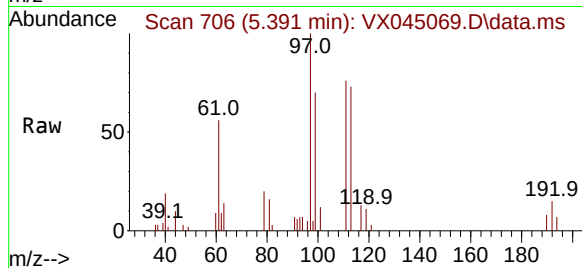
Tgt Ion:	113	Resp:	6398
Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.6
192	18.3	14.3	21.5

Manual Integrations

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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#36

1,1-Dichloropropene

Concen: 4.917 ug/l

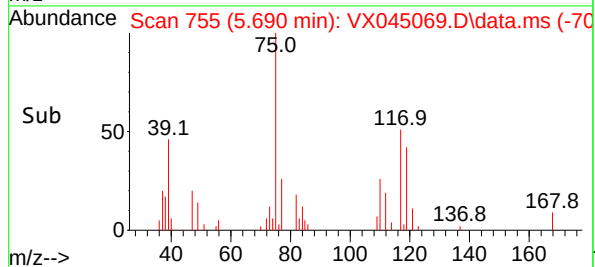
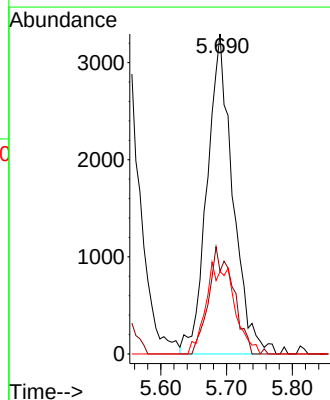
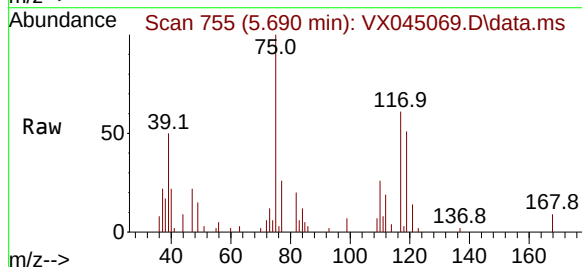
RT: 5.690 min Scan# 755

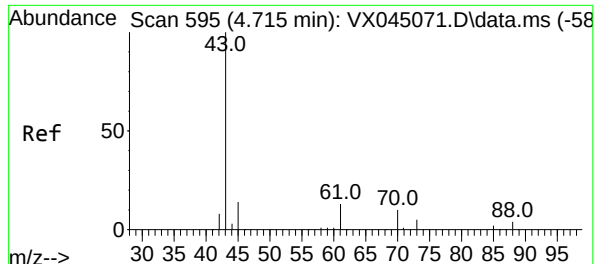
Delta R.T. -0.000 min

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 :

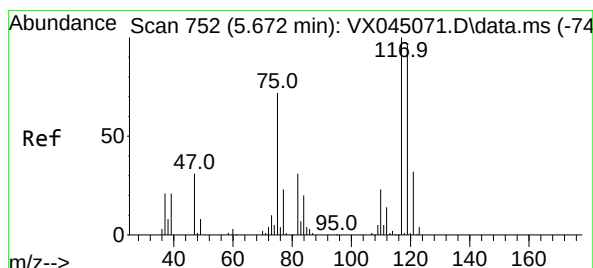
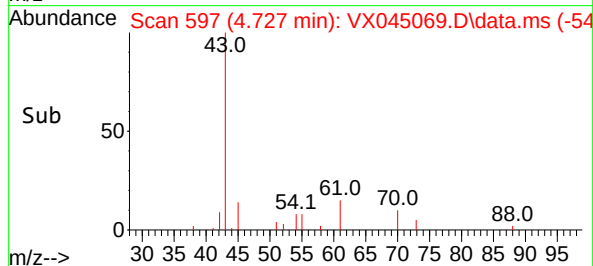
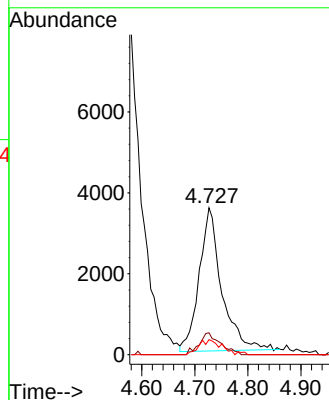
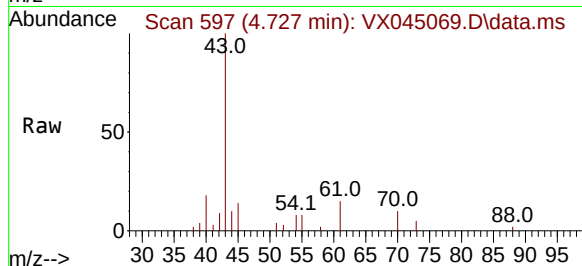
VSTDIC005

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
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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#38

Carbon Tetrachloride

Concen: 5.013 ug/l

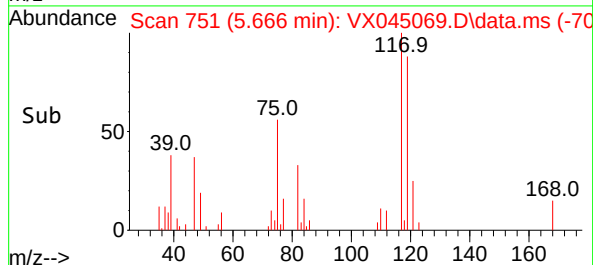
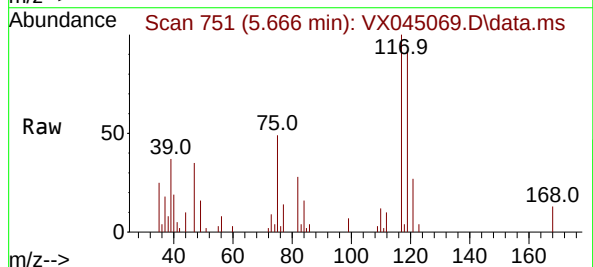
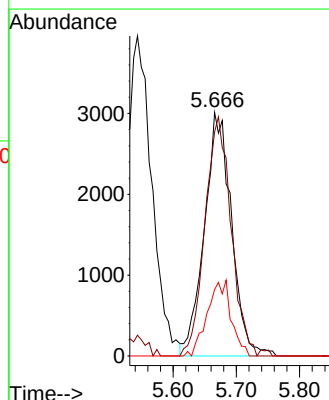
RT: 5.666 min Scan# 751

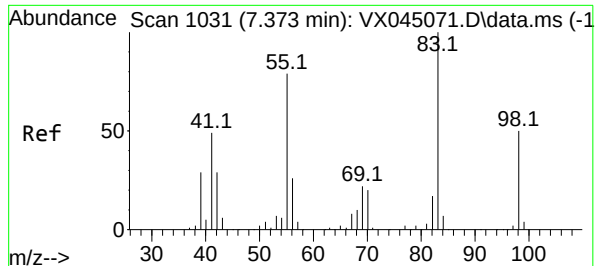
Delta R.T. -0.006 min

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 :

VSTDICC005

Tgt Ion: 83 Resp: 1029

Ion Ratio Lower Upper

83 100

55 76.4 63.0 94.4

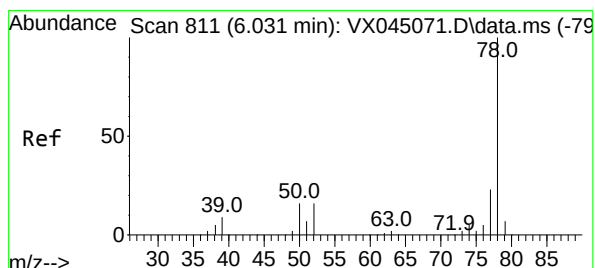
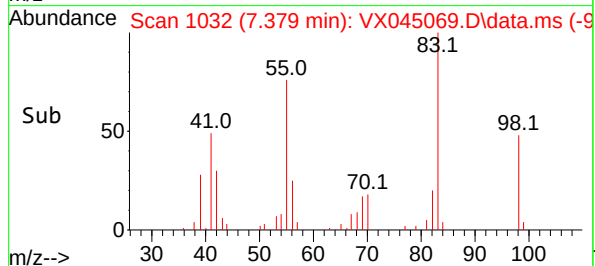
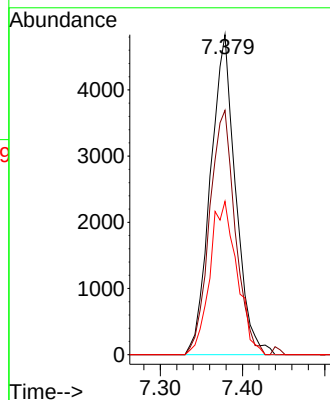
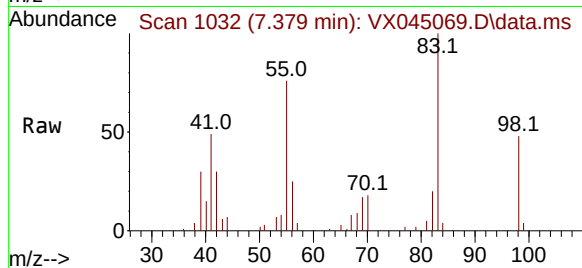
98 47.9 39.7 59.5

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

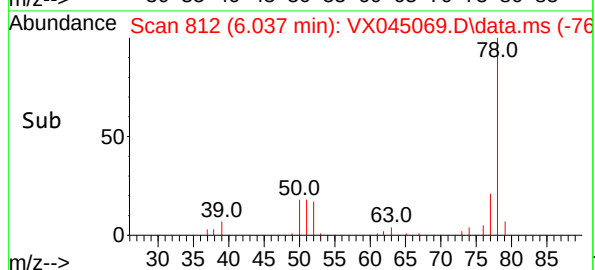
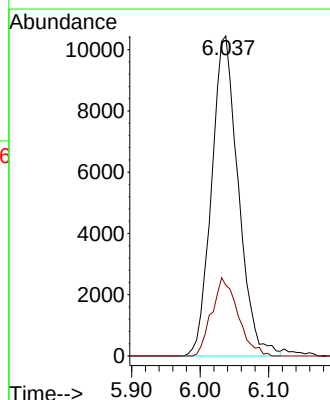
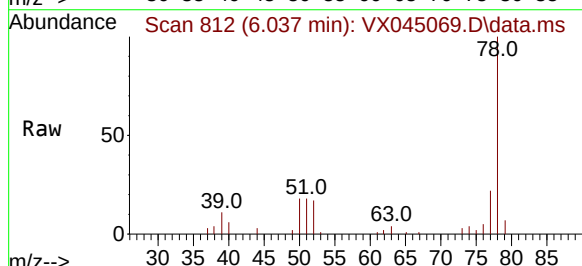
Acq: 28 Feb 2025 02:13

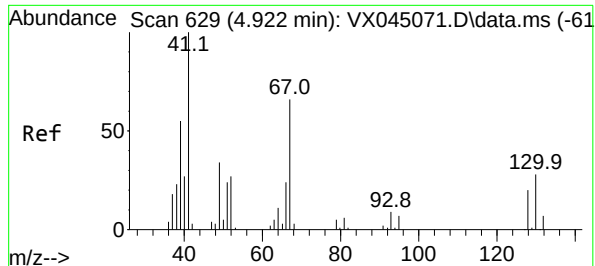
Tgt Ion: 78 Resp: 28339

Ion Ratio Lower Upper

78 100

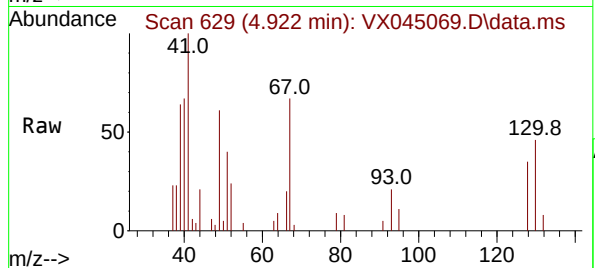
77 22.1 18.8 28.2





#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

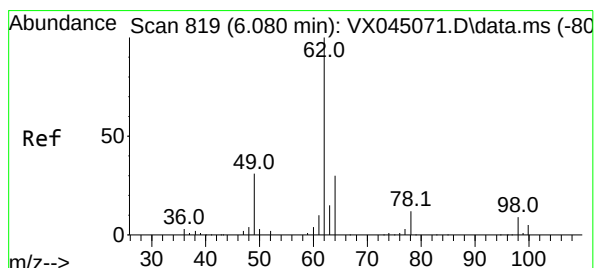
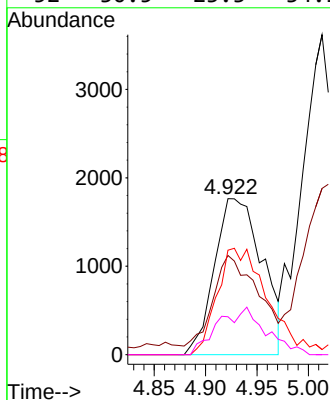
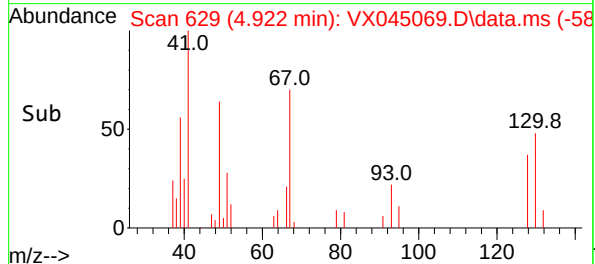
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



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

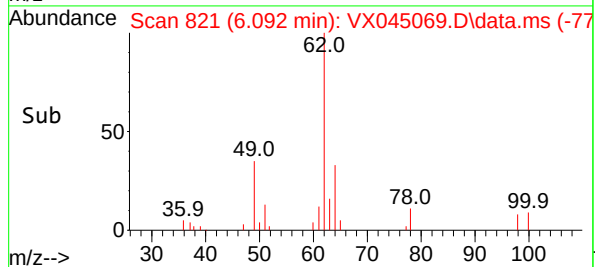
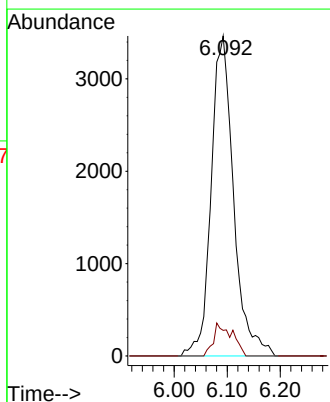
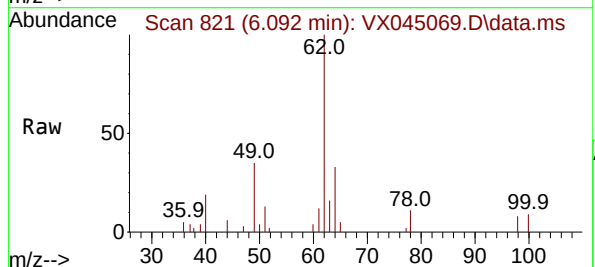
Manual Integrations
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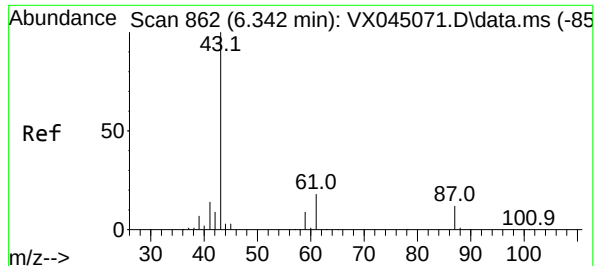
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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 :

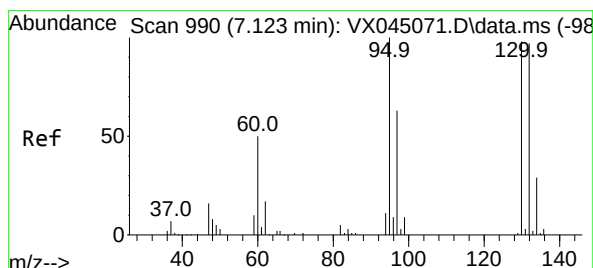
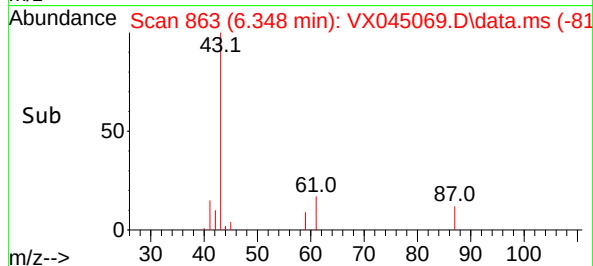
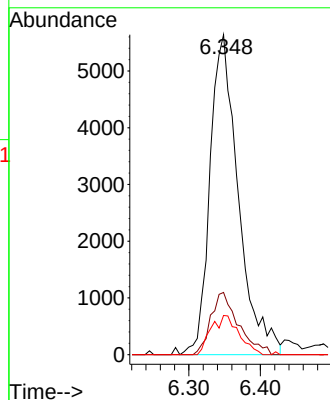
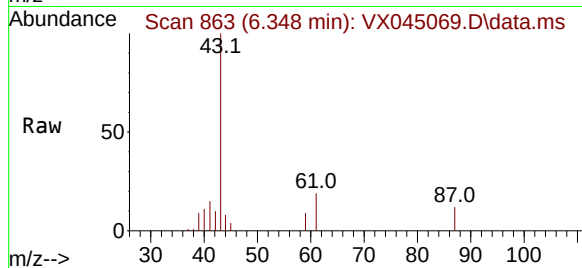
VSTDIC005

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
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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#44

Trichloroethene

Concen: 5.234 ug/l

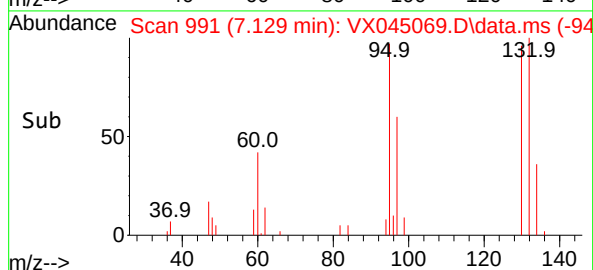
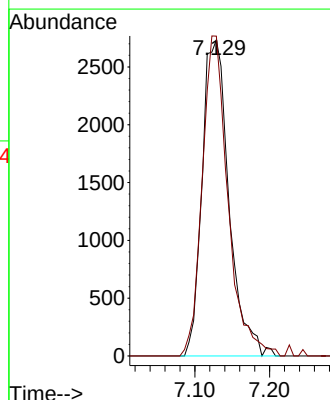
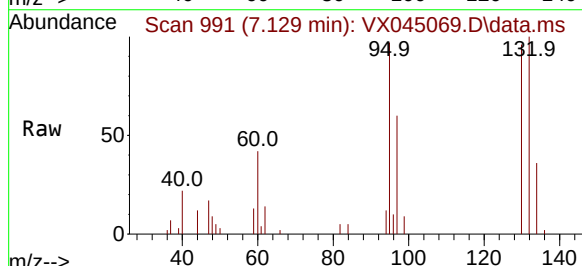
RT: 7.129 min Scan# 991

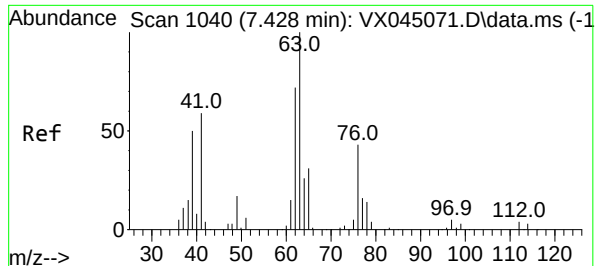
Delta R.T. 0.006 min

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

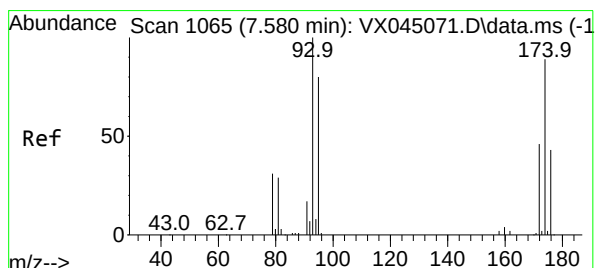
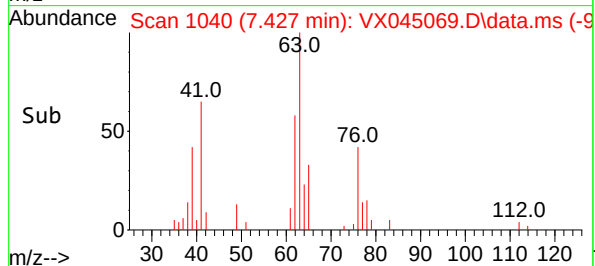
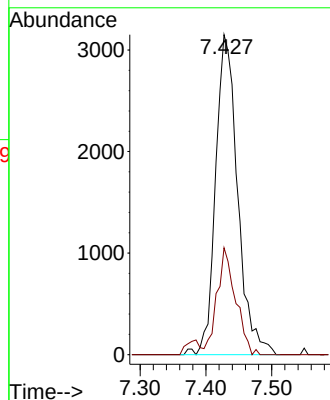
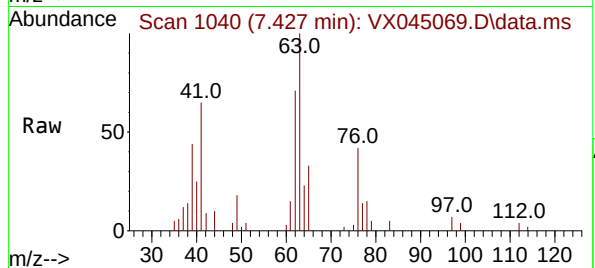
65 33.4 24.7 37.1

Manual Integrations

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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

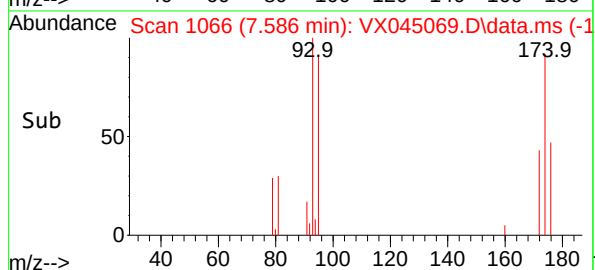
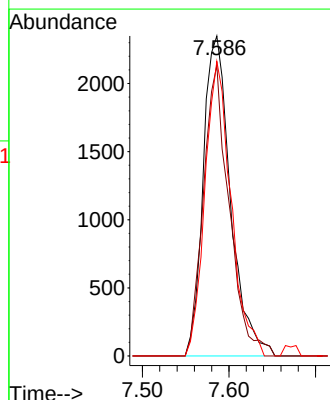
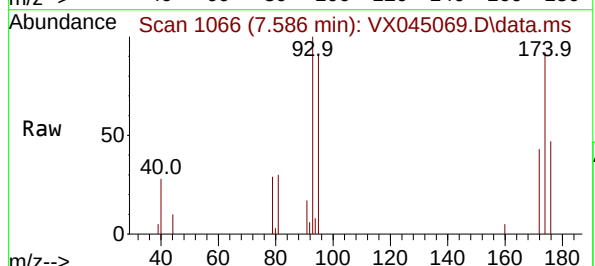
Tgt Ion: 93 Resp: 5146

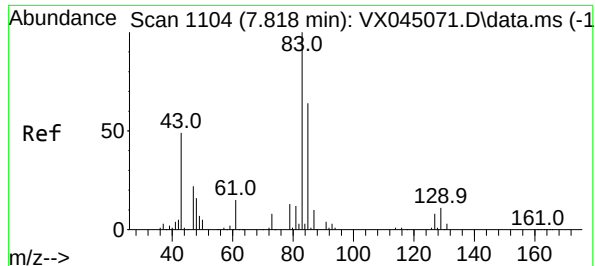
Ion Ratio Lower Upper

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

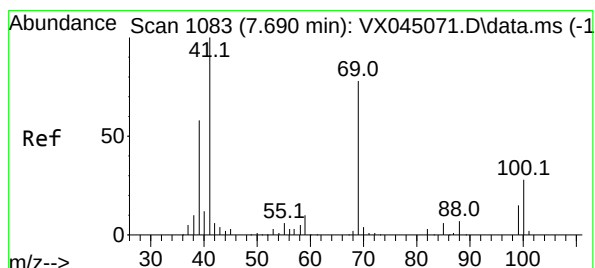
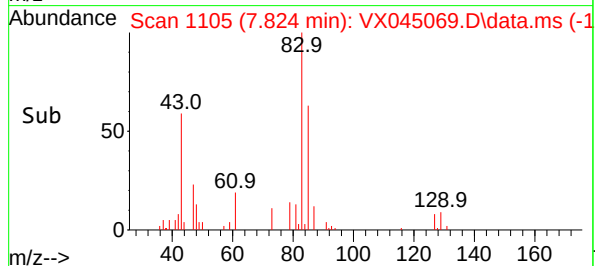
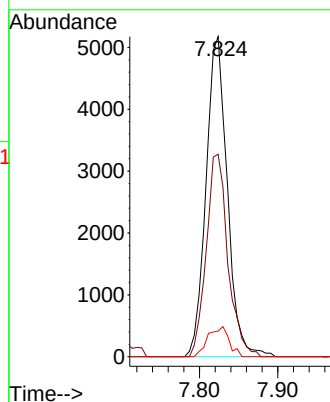
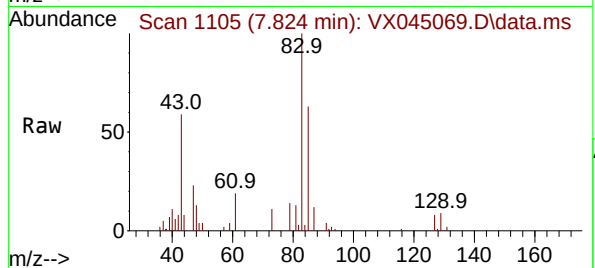
Tgt Ion:	83	Resp:	977
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.1	76.7
127	8.0	6.4	9.6

Manual Integrations

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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#48

Methyl methacrylate

Concen: 5.224 ug/l

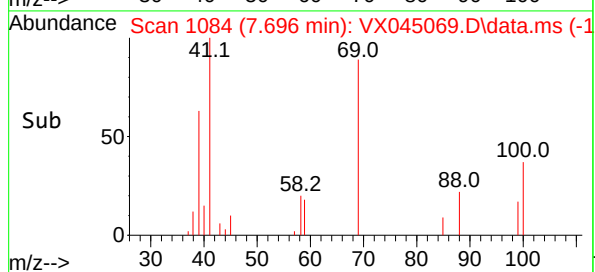
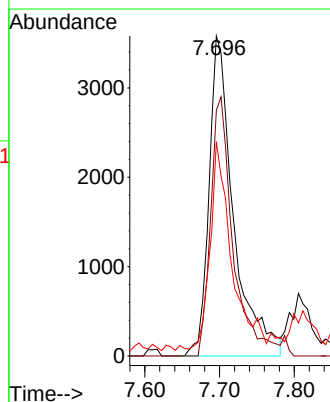
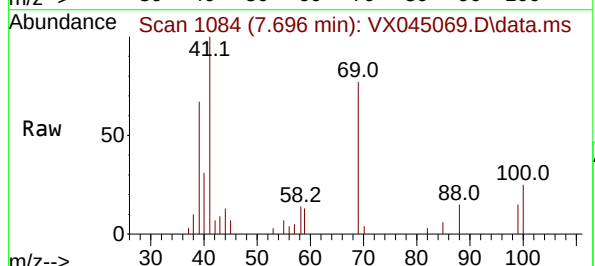
RT: 7.696 min Scan# 1084

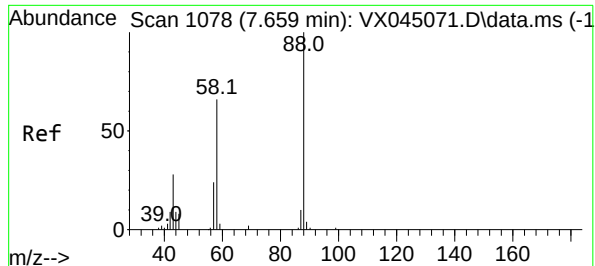
Delta R.T. 0.006 min

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# 1079

Delta R.T. 0.006 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

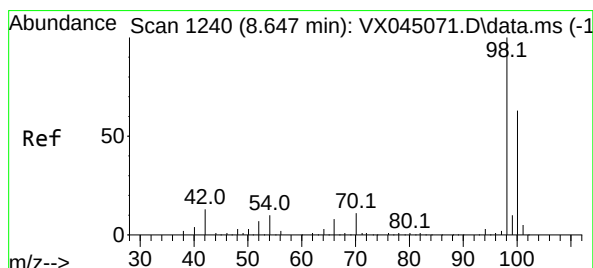
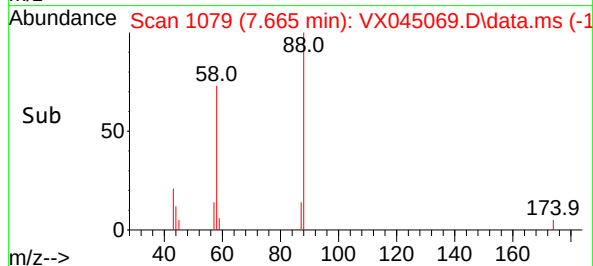
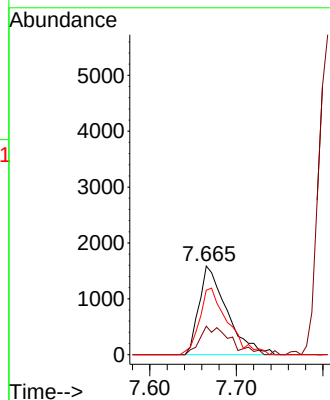
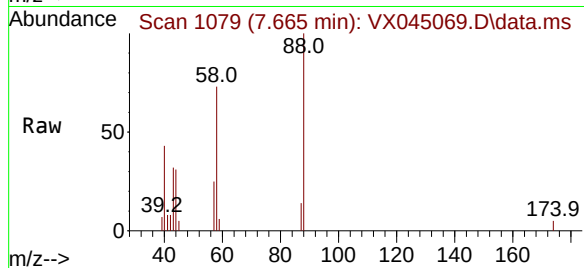
VSTDICC005

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

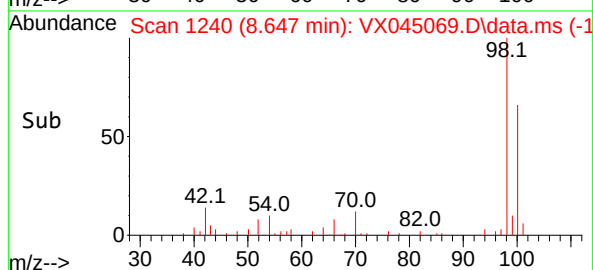
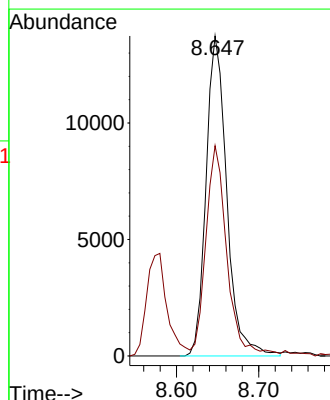
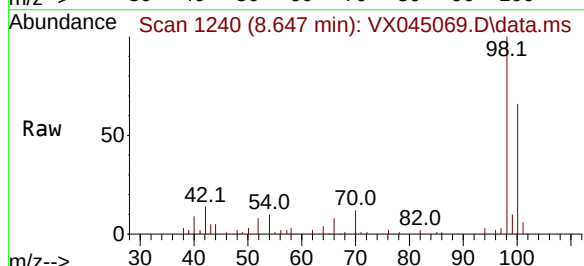
RT: 8.647 min Scan# 1240

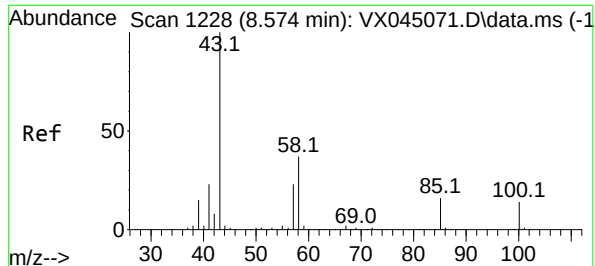
Delta R.T. -0.000 min

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

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 55320

Ion Ratio Lower Upper

43 100

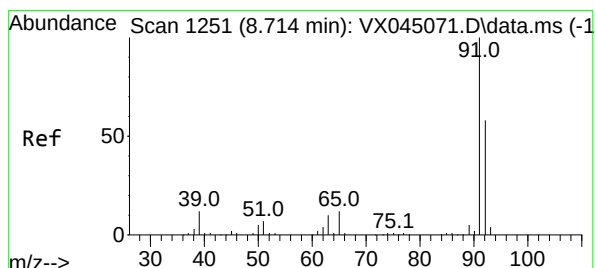
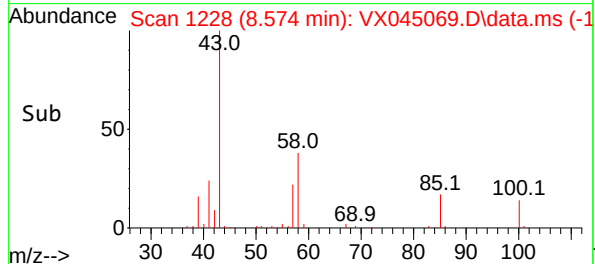
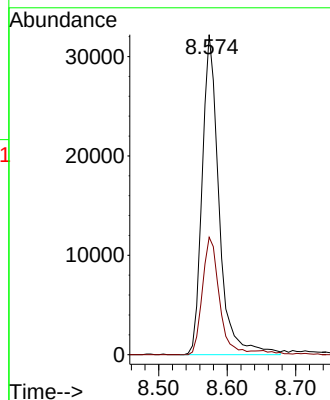
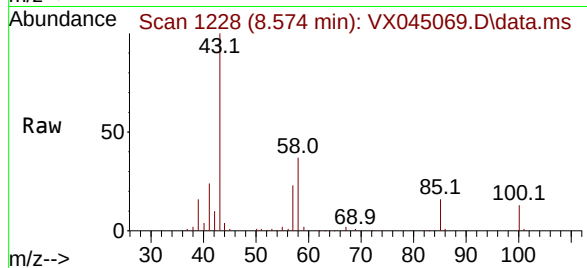
58 36.8 29.2 43.8

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

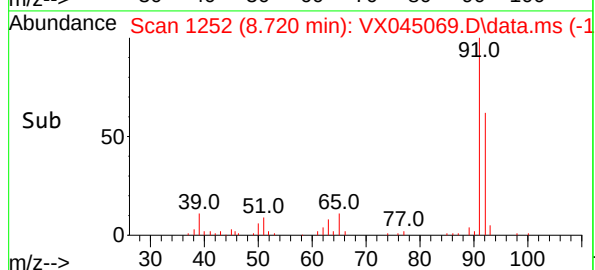
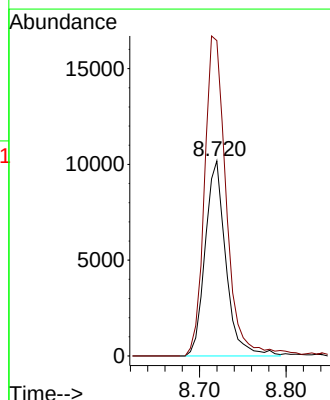
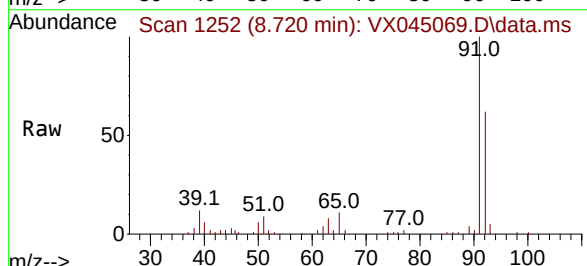
Acq: 28 Feb 2025 02:13

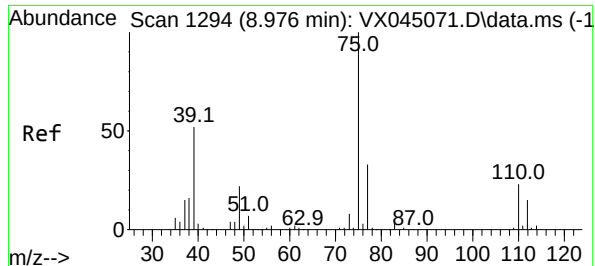
Tgt Ion: 92 Resp: 16933

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# 1129

Delta R.T. 0.006 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 7548

Ion Ratio Lower Upper

75 100

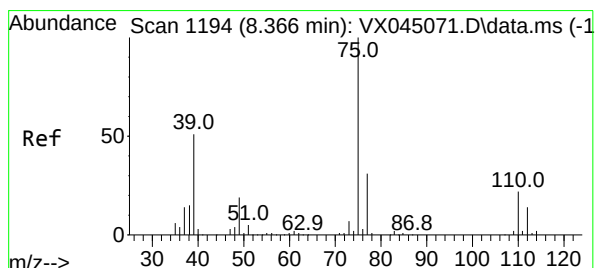
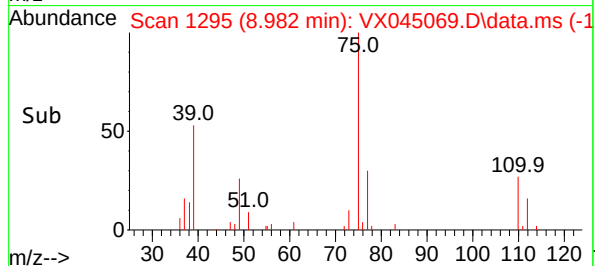
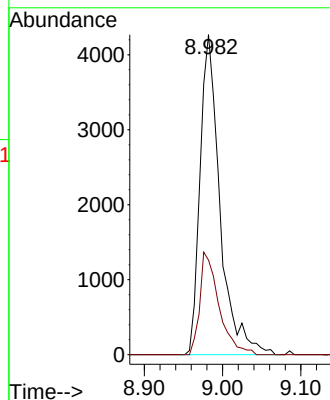
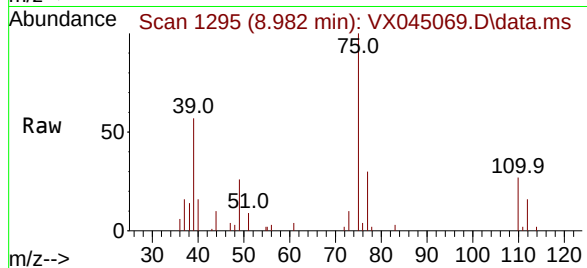
77 29.6 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#54

cis-1,3-Dichloropropene

Concen: 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

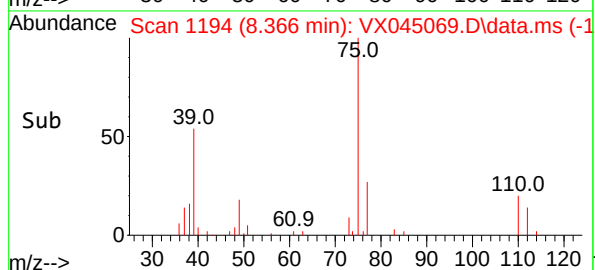
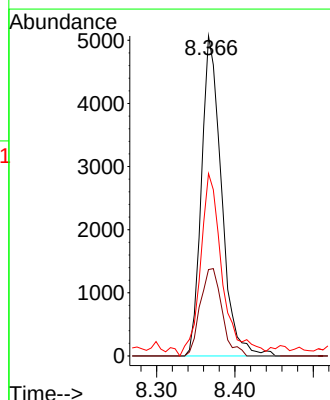
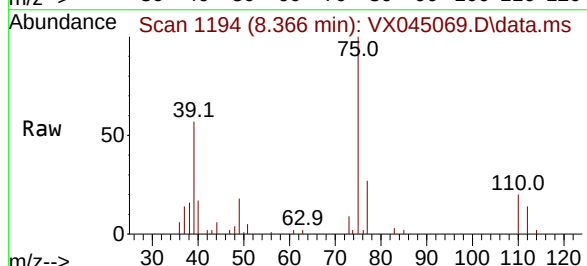
Tgt Ion: 75 Resp: 8988

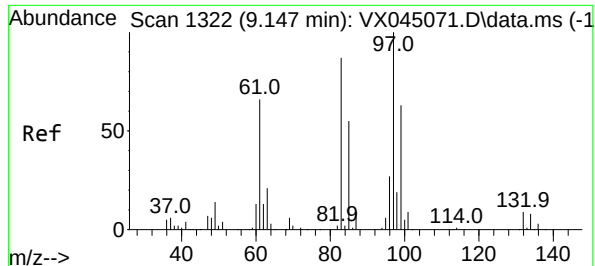
Ion Ratio Lower Upper

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

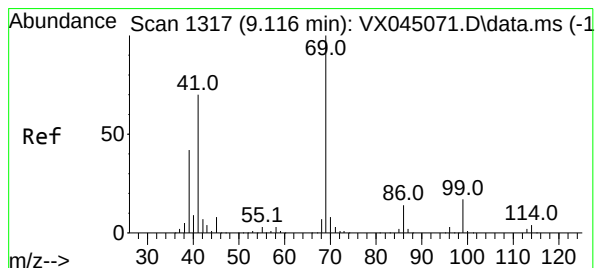
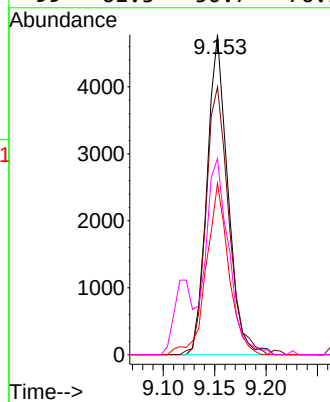
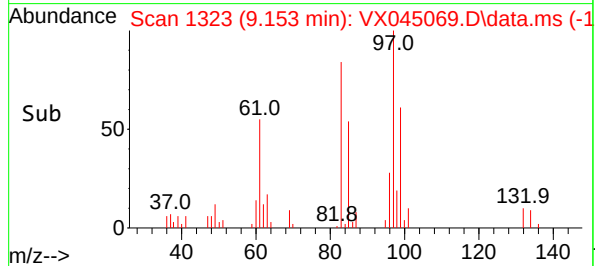
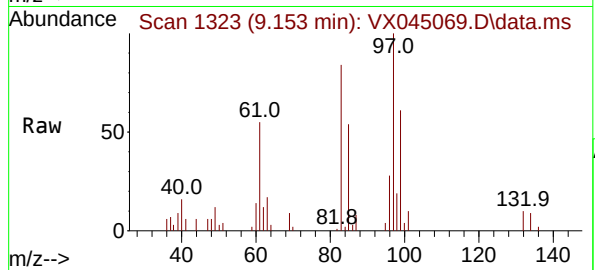
99 61.3 50.7 76.1

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

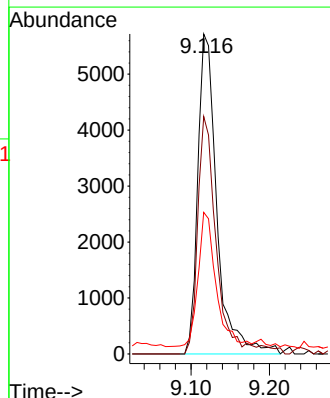
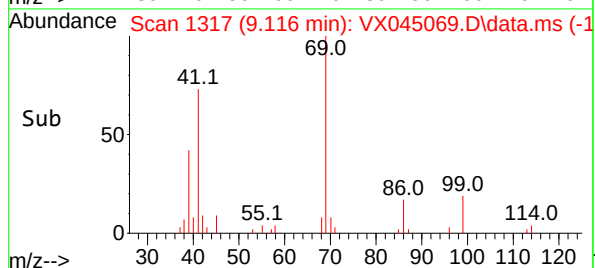
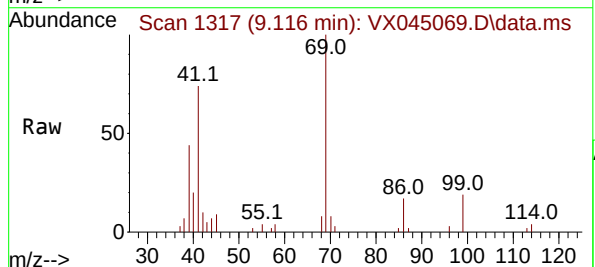
Tgt Ion: 69 Resp: 9712

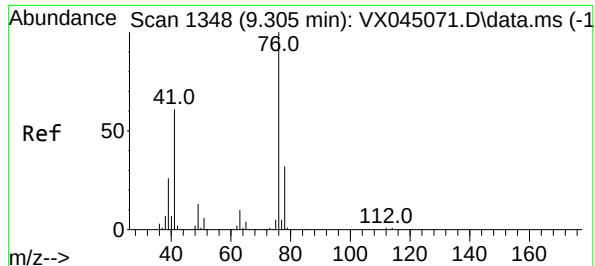
Ion Ratio Lower Upper

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: 1210

Ion Ratio Lower Upper

76 100

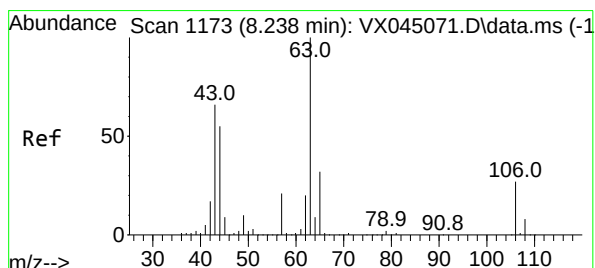
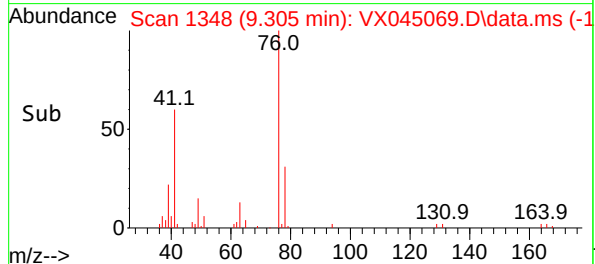
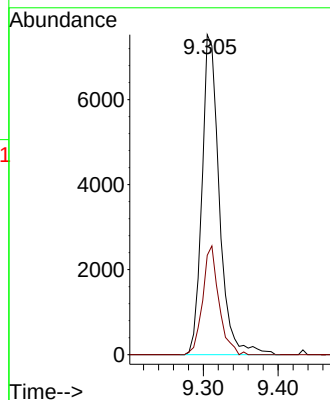
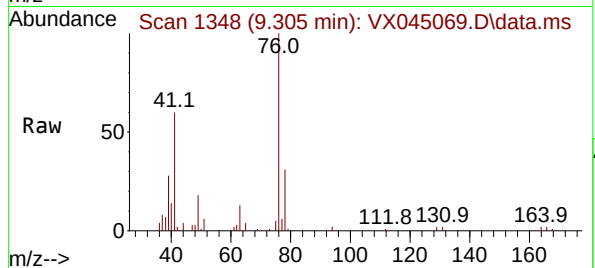
78 31.9 25.5 38.3

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

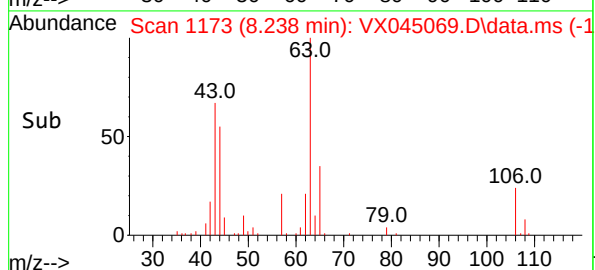
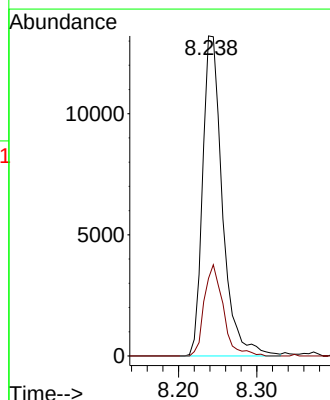
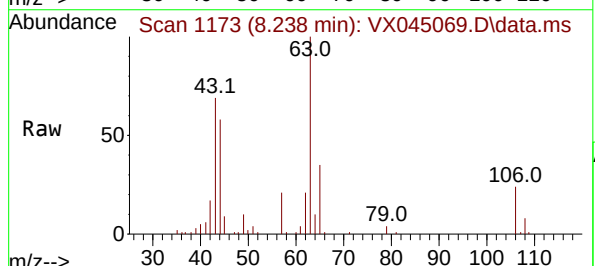
Acq: 28 Feb 2025 02:13

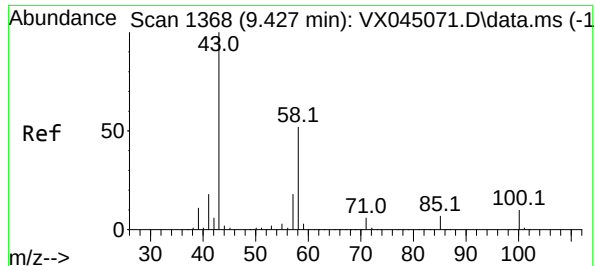
Tgt Ion: 63 Resp: 23212

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: 39994

Ion Ratio Lower Upper

43 100

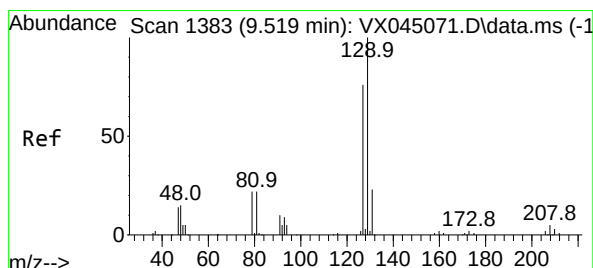
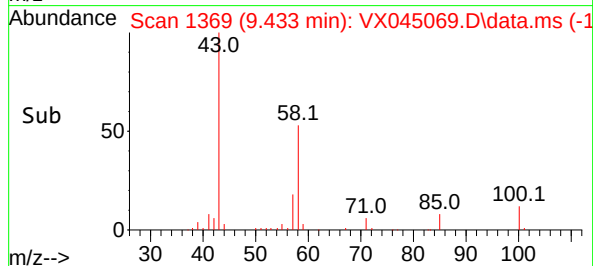
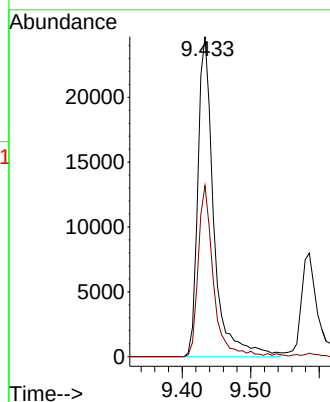
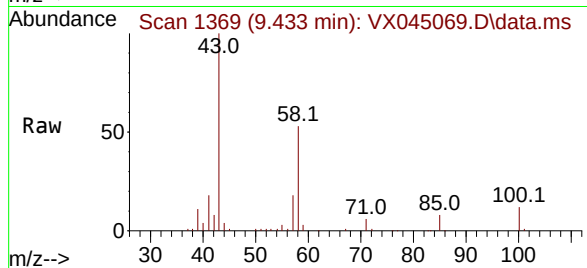
58 50.7 25.9 77.6

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

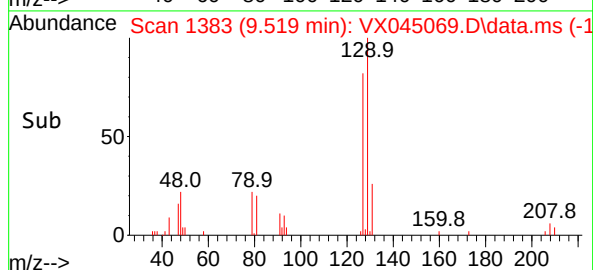
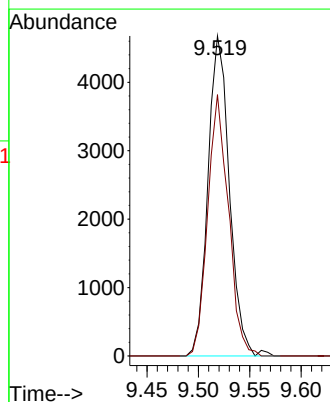
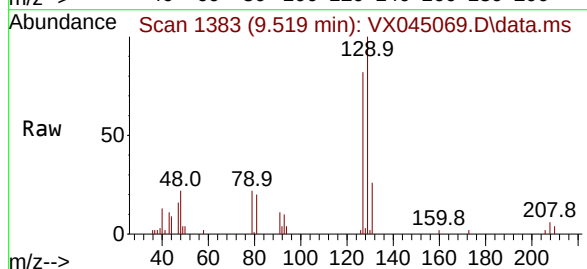
Acq: 28 Feb 2025 02:13

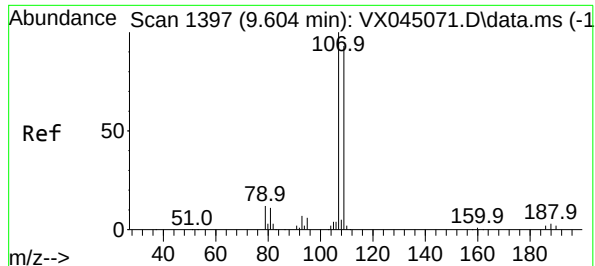
Tgt Ion:129 Resp: 6785

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# 1398

Delta R.T. 0.006 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion:107 Resp: 683

Ion Ratio Lower Upper

107 100

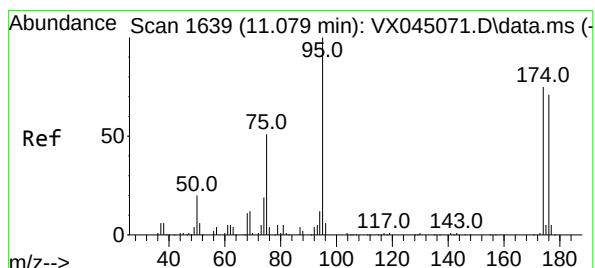
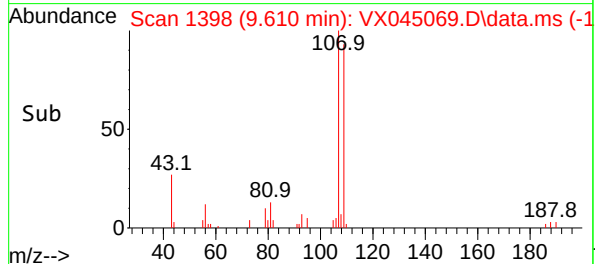
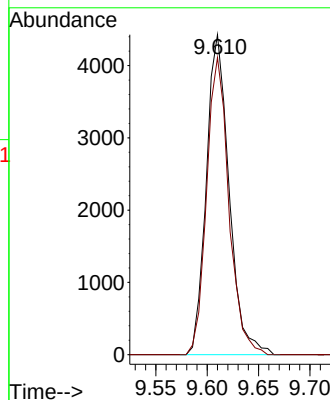
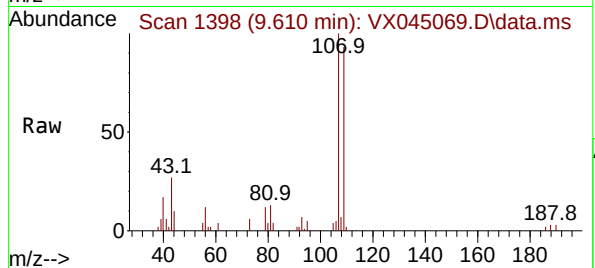
109 90.7 76.1 114.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#62

4-Bromofluorobenzene

Concen: 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

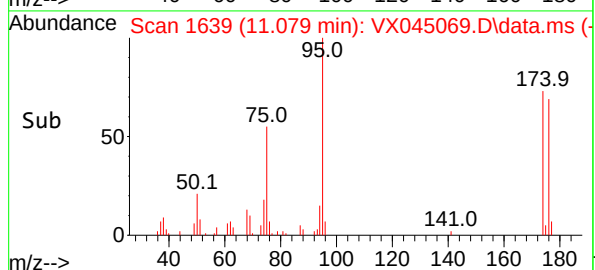
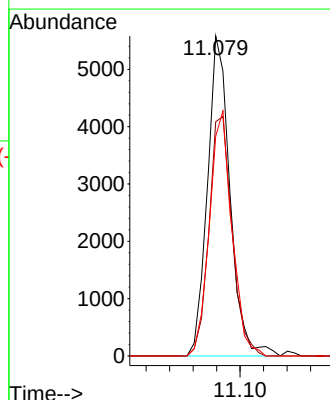
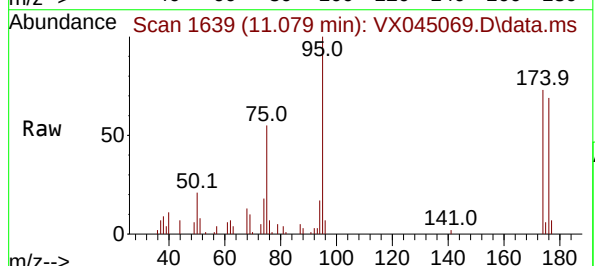
Tgt Ion: 95 Resp: 7436

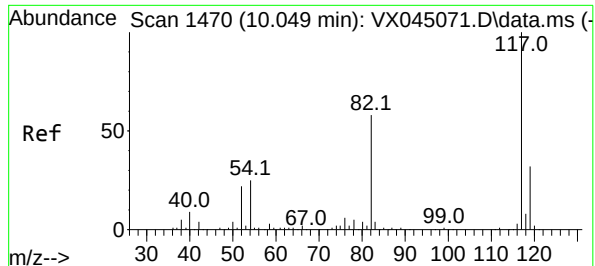
Ion Ratio Lower Upper

95 100

174 76.5 0.0 148.2

176 76.3 0.0 141.4





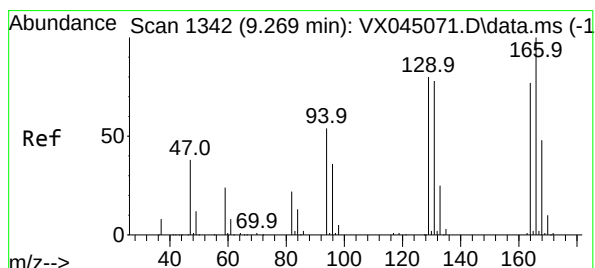
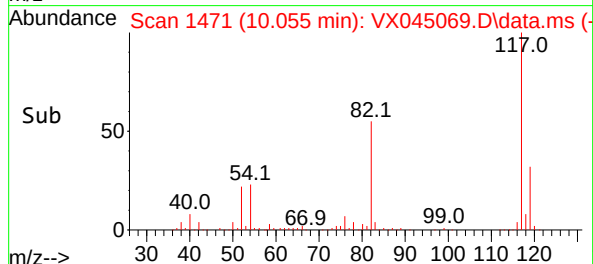
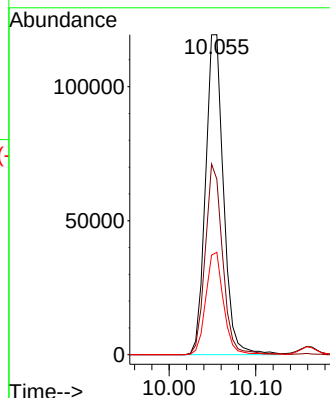
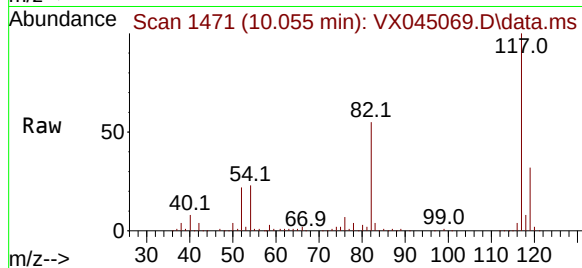
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

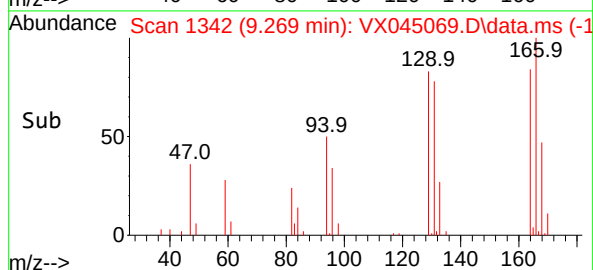
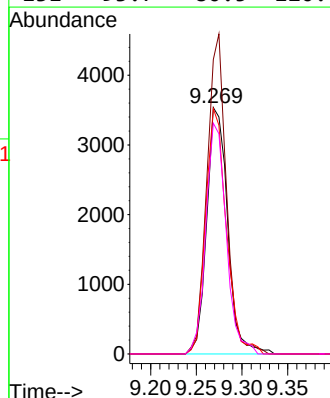
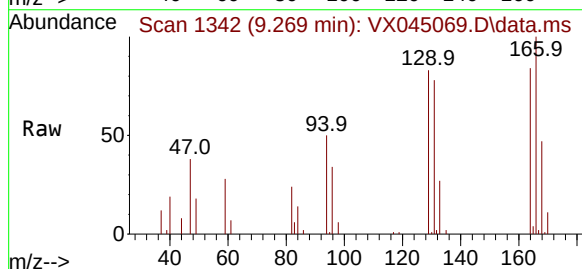
Manual Integrations
APPROVED

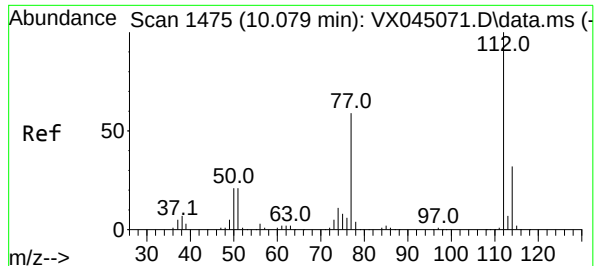
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





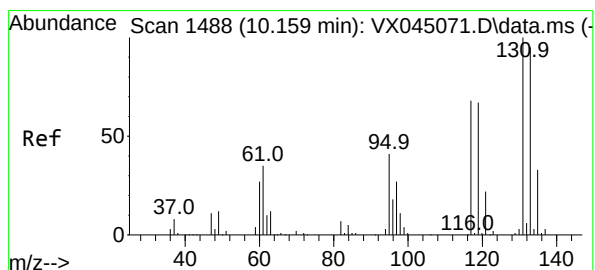
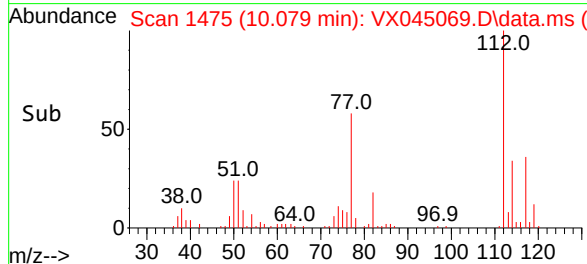
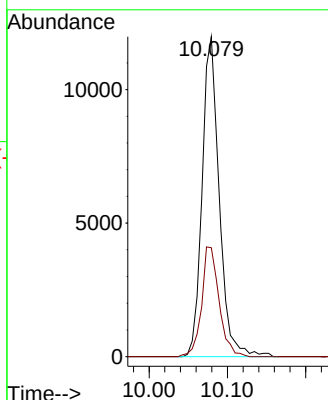
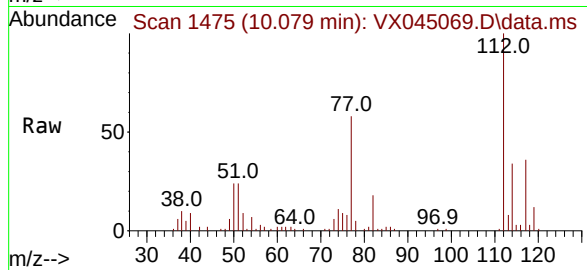
#65
Chlorobenzene
Concen: 4.908 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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

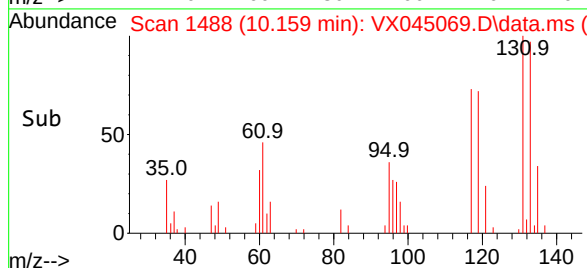
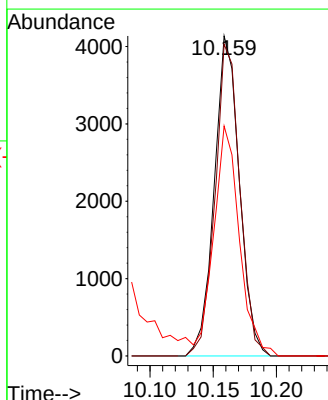
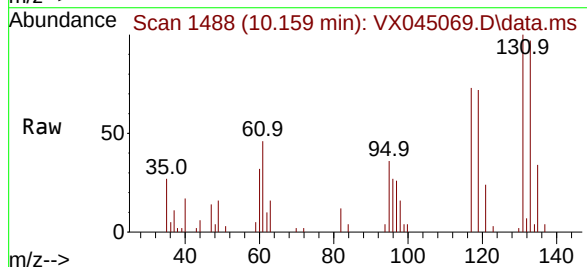
Manual Integrations
APPROVED

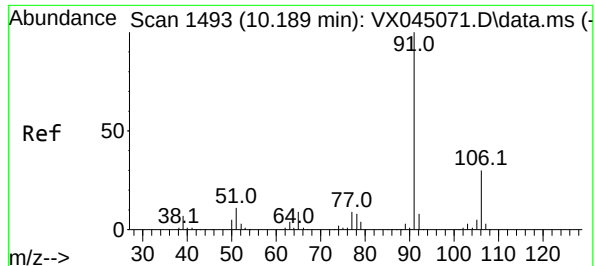
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 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

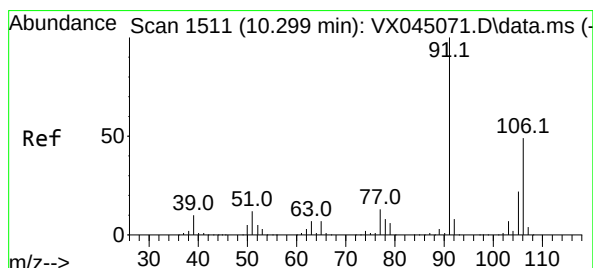
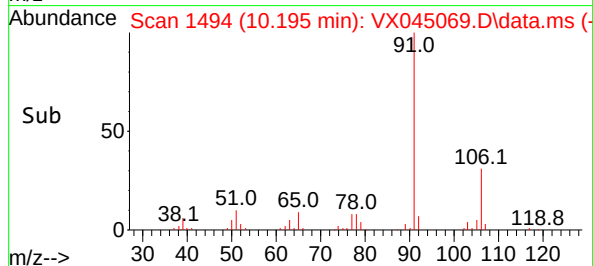
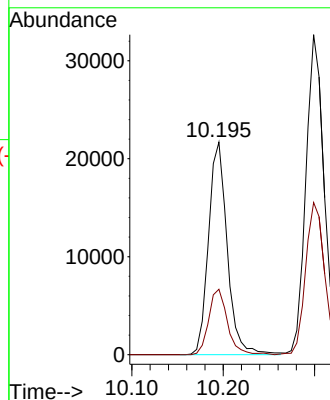
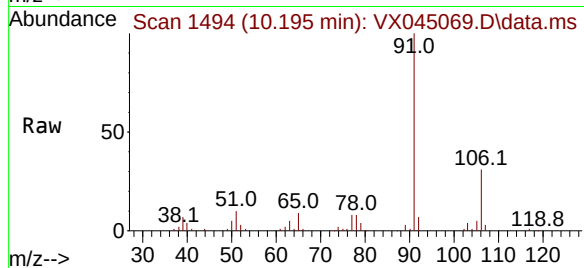
106 30.8 23.9 35.9

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

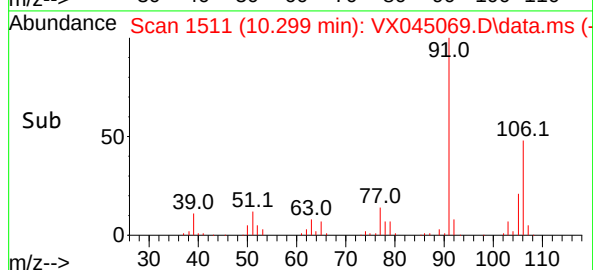
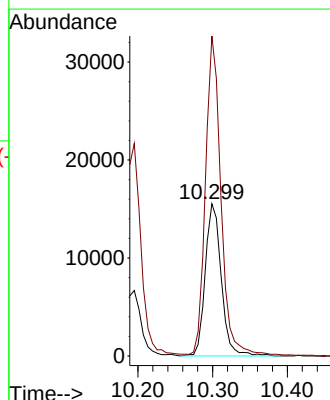
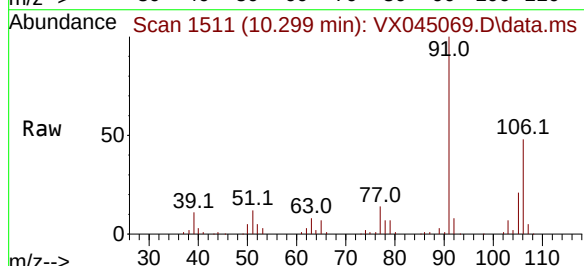
Acq: 28 Feb 2025 02:13

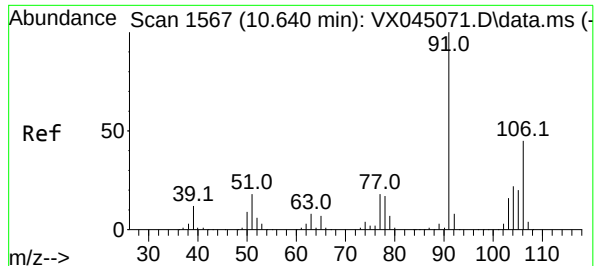
Tgt Ion:106 Resp: 23152

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

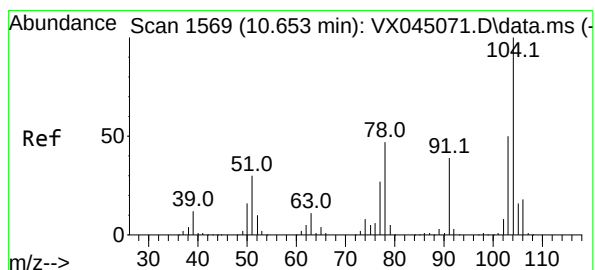
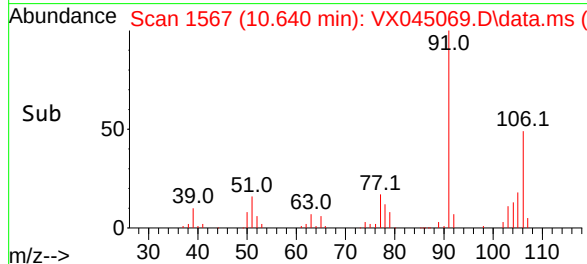
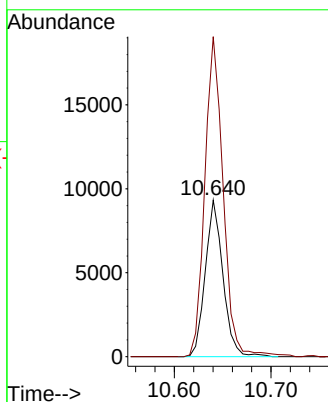
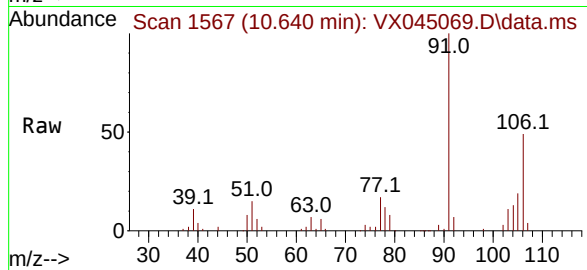
91 211.7 109.9 329.6

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

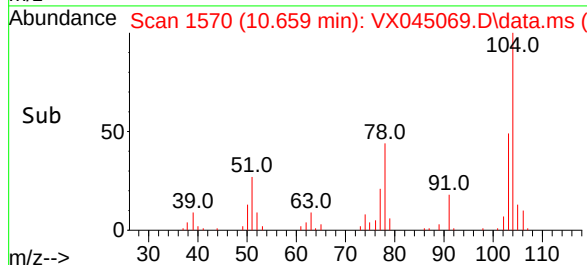
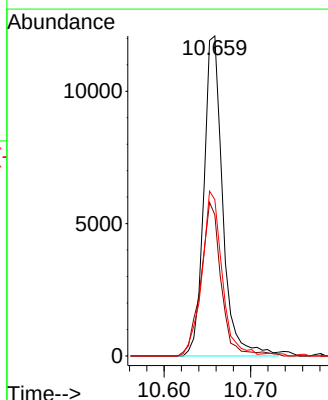
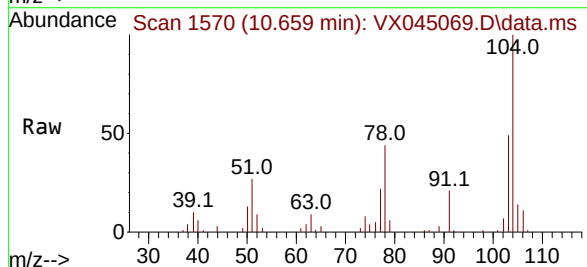
Tgt Ion:104 Resp: 18278

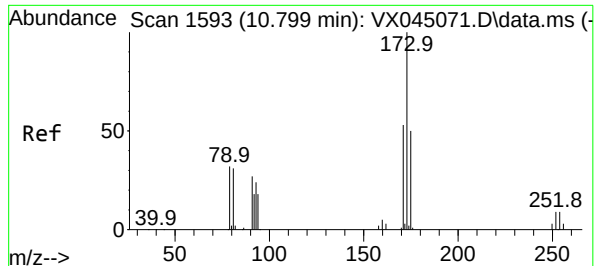
Ion Ratio Lower Upper

104 100

78 51.7 42.2 63.4

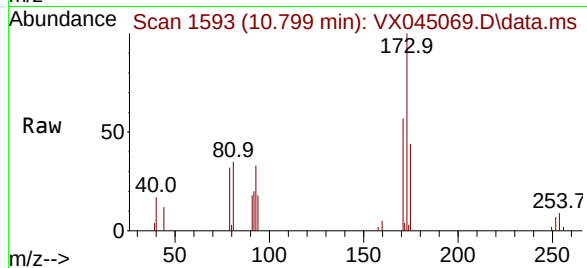
103 55.3 43.8 65.8





#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

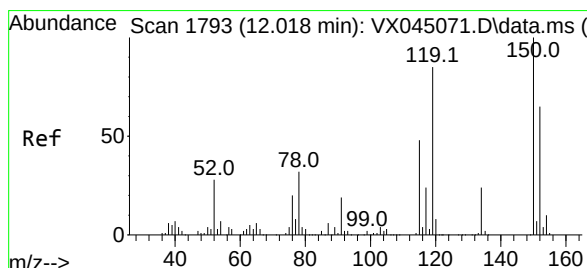
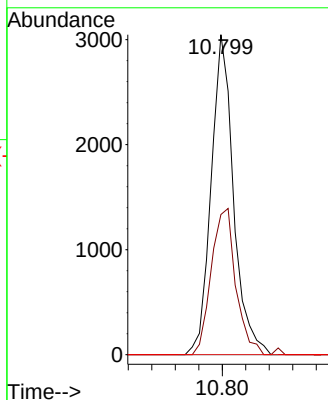
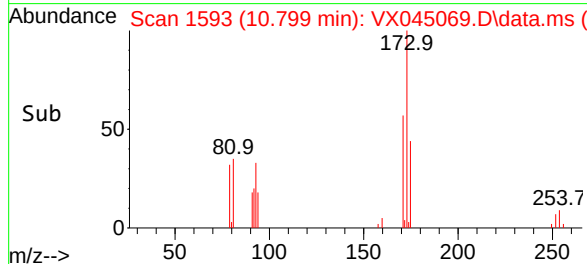
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



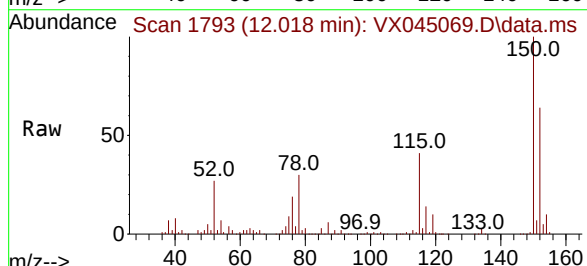
Tgt Ion:173 Resp: 402
Ion Ratio Lower Upper
173 100
175 50.1 24.6 73.6
254 0.0 0.0 0.0

Manual Integrations
APPROVED

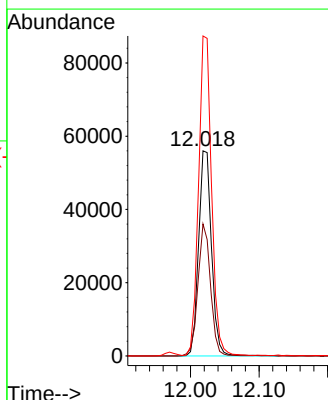
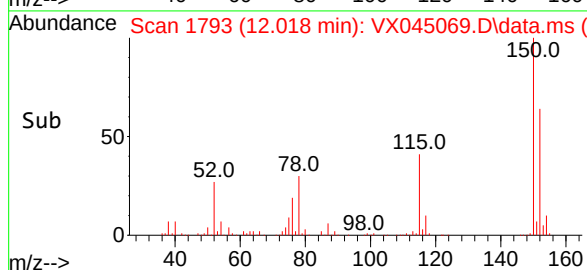
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

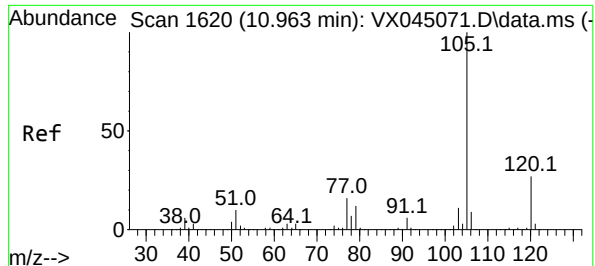


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13



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





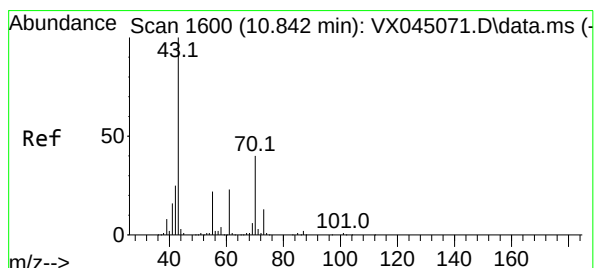
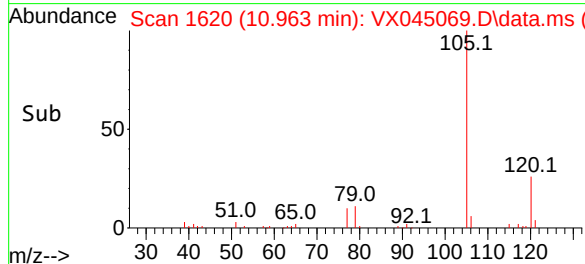
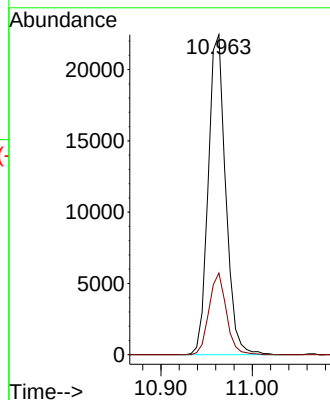
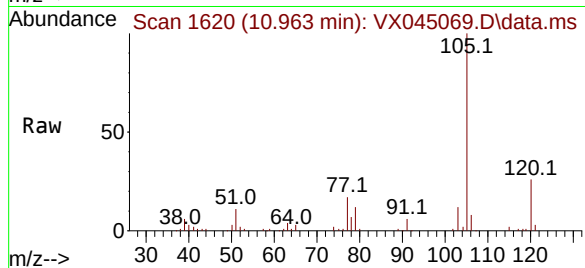
#73
Isopropylbenzene
Concen: 4.991 ug/l
RT: 10.963 min Scan# 1601
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

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

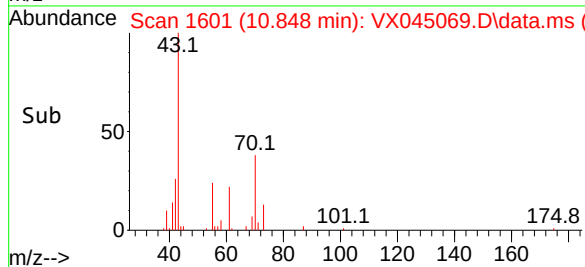
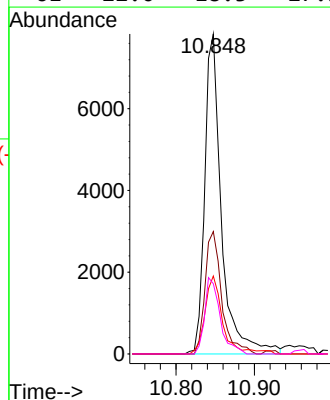
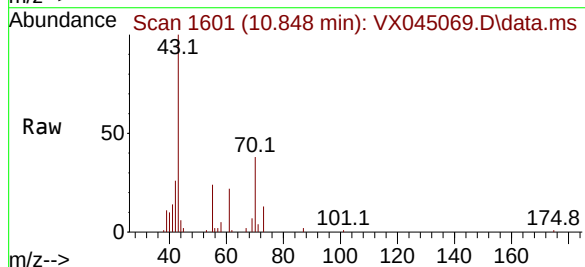
Manual Integrations
APPROVED

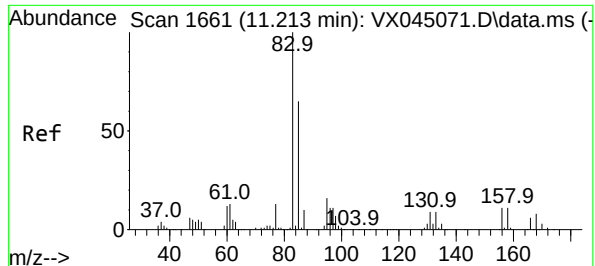
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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 :

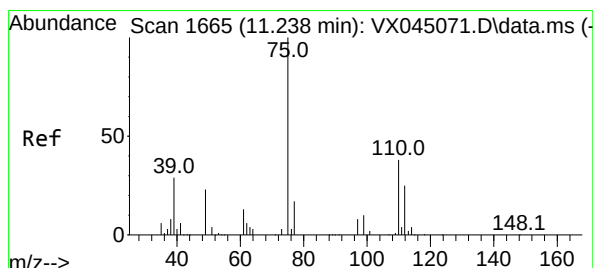
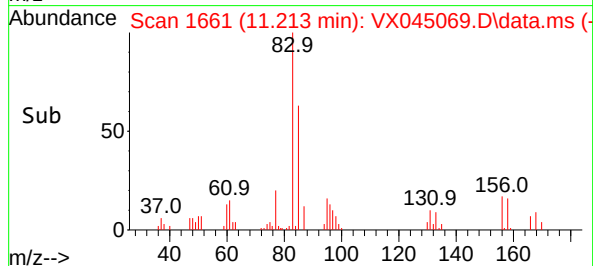
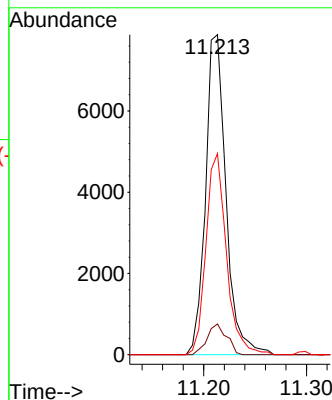
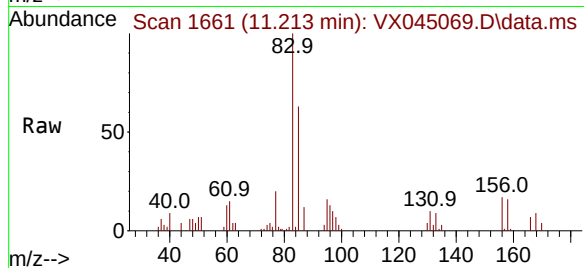
VSTDICC005

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

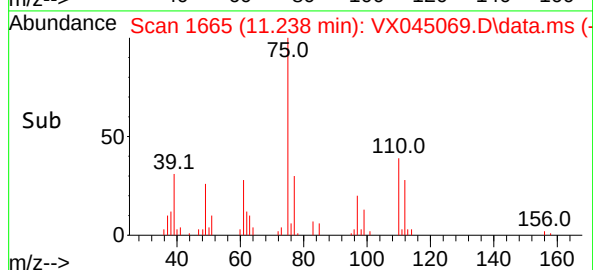
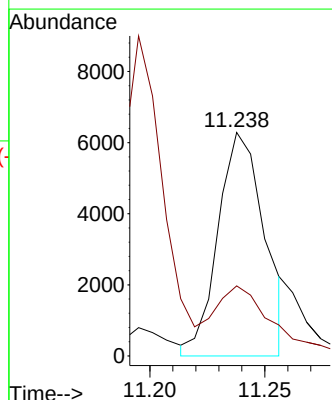
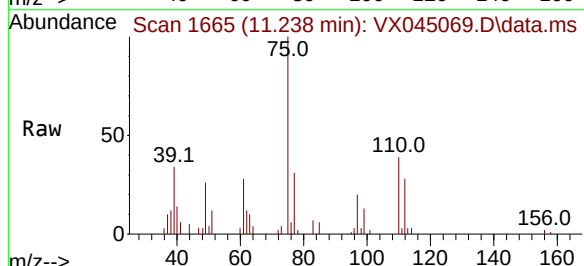
RT: 11.238 min Scan# 1665

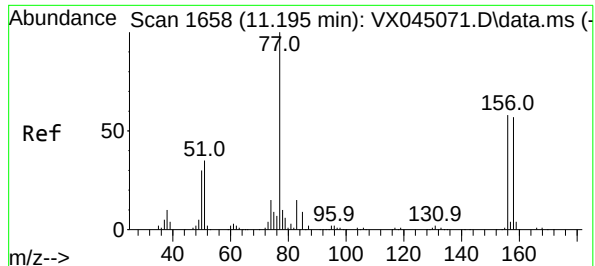
Delta R.T. -0.000 min

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 :

VSTDIC005

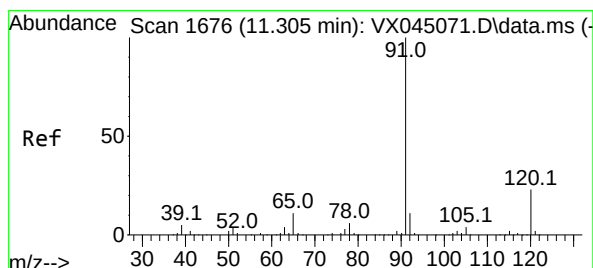
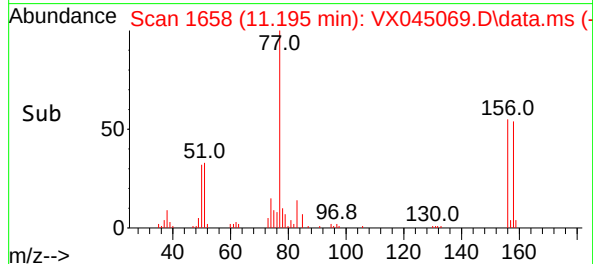
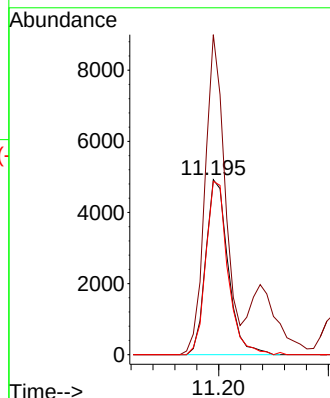
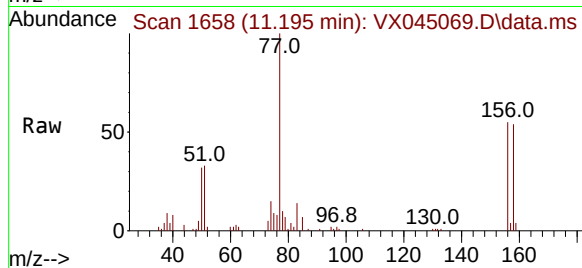
Tgt Ion:	156	Resp:	6970
Ion	Ratio	Lower	Upper
156	100		
77	163.3	85.8	257.4
158	97.8	48.4	145.2

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

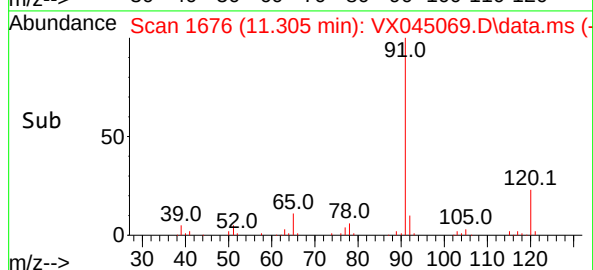
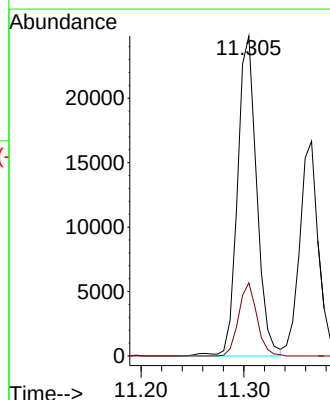
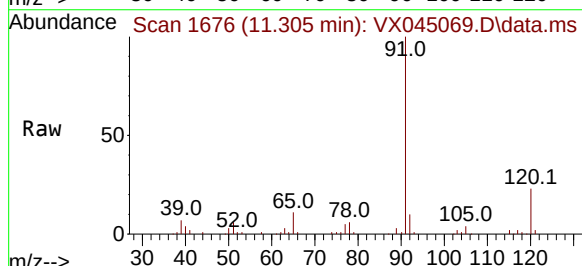
RT: 11.305 min Scan# 1676

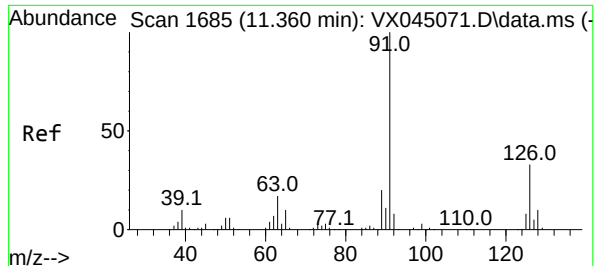
Delta R.T. -0.000 min

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# 1

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

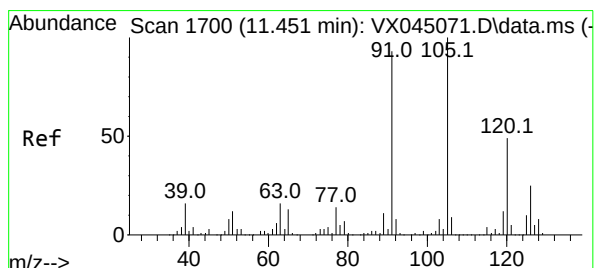
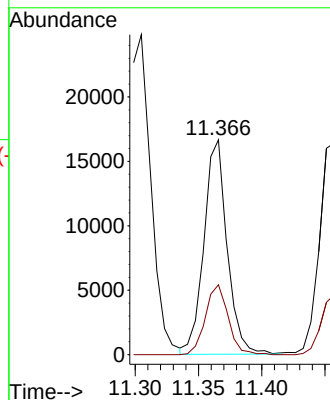
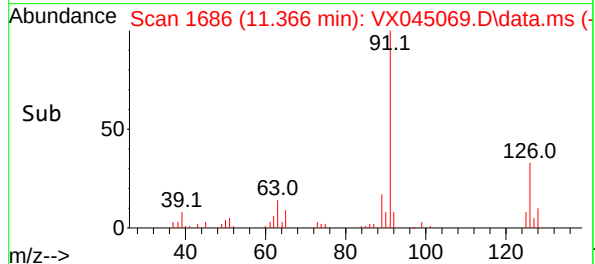
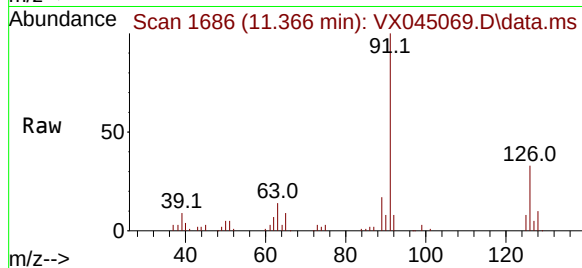
126 32.0 16.4 49.4

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

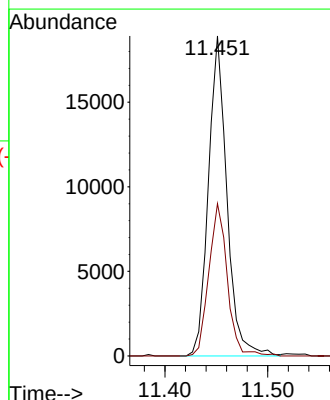
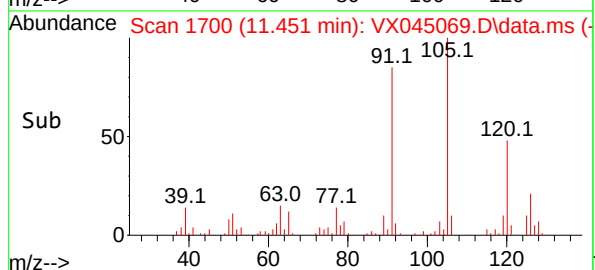
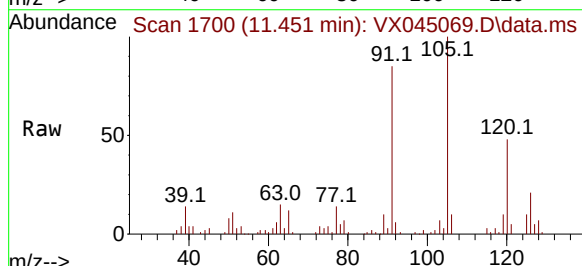
Acq: 28 Feb 2025 02:13

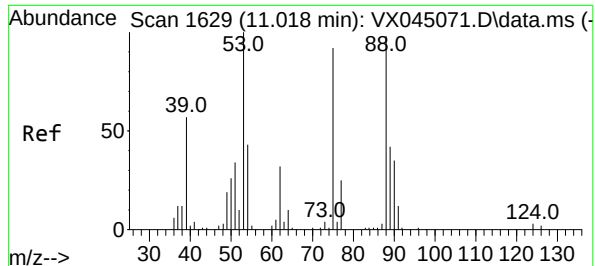
Tgt Ion:105 Resp: 23627

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 :

VSTDIC005

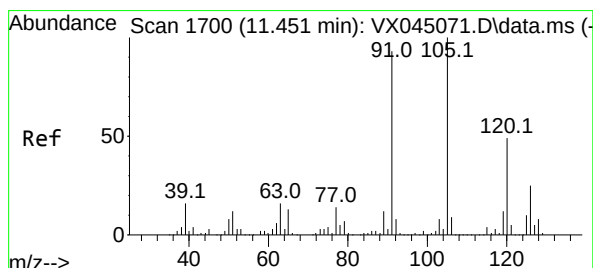
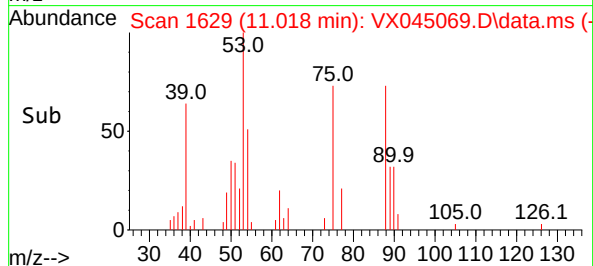
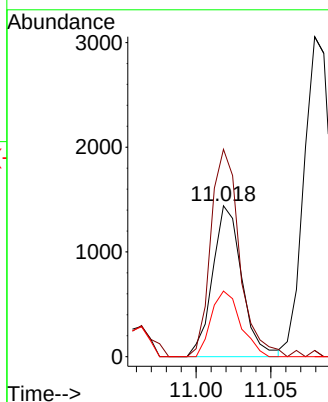
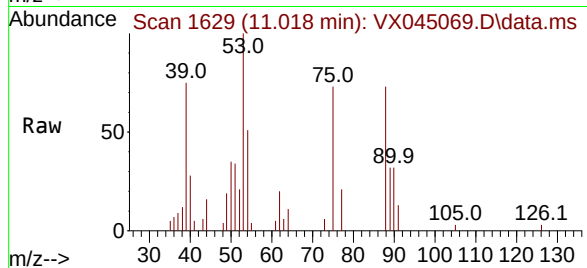
Tgt Ion:	75	Resp:	197
Ion	Ratio	Lower	Upper
75	100		
53	134.1	88.5	132.7
89	43.4	36.2	54.4

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

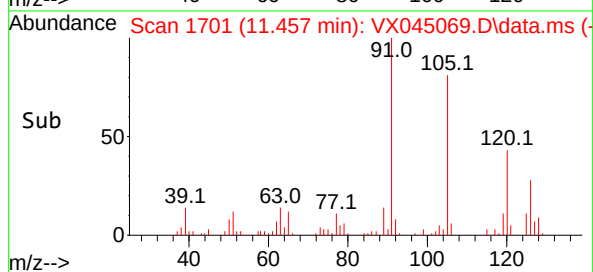
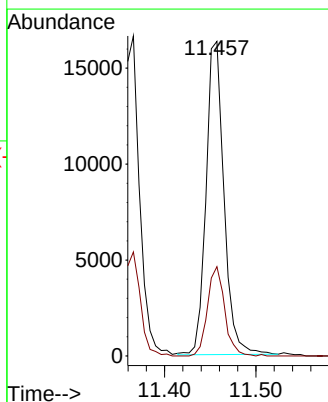
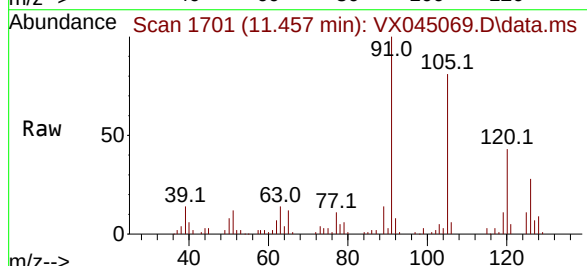
RT: 11.457 min Scan# 1701

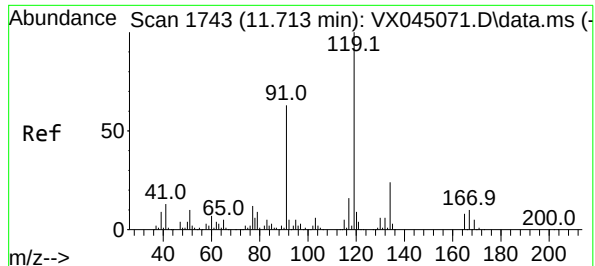
Delta R.T. 0.006 min

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

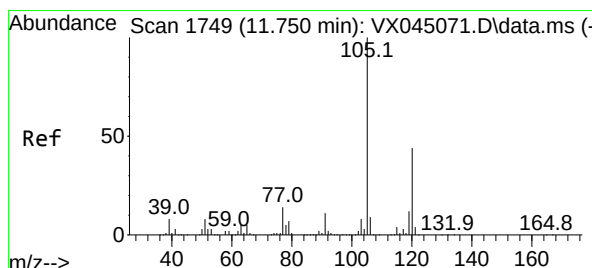
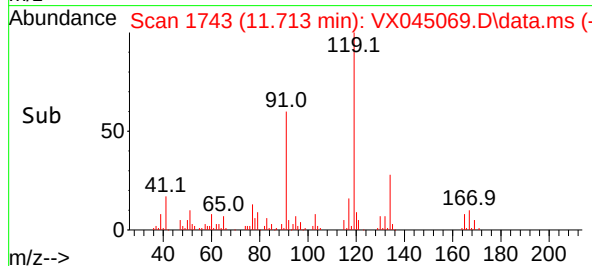
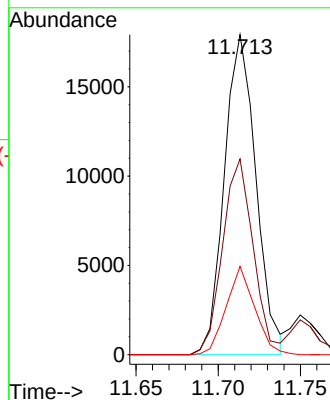
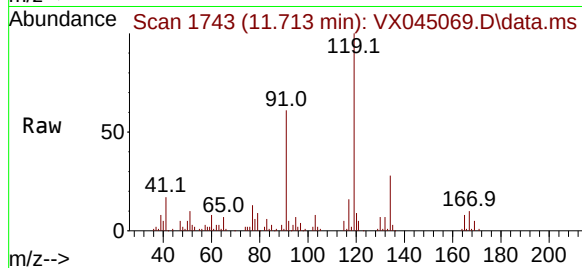
134 24.9 11.7 35.0

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

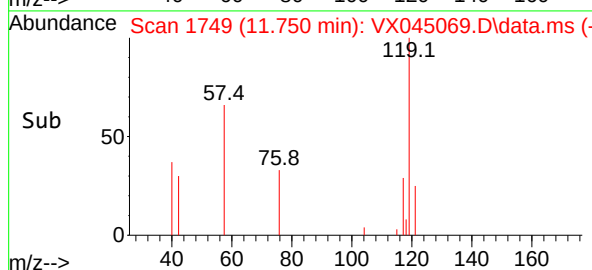
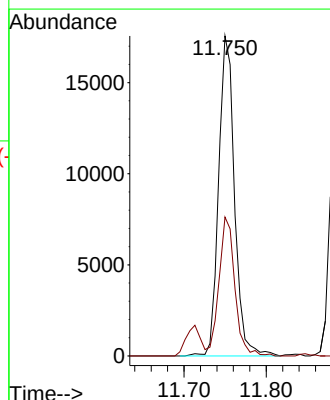
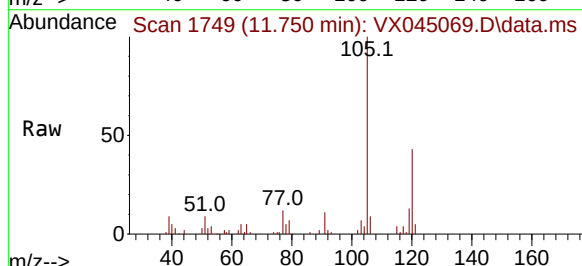
Acq: 28 Feb 2025 02:13

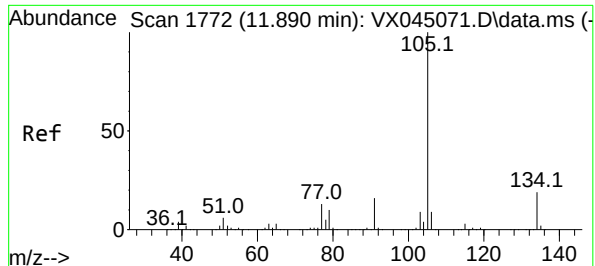
Tgt Ion:105 Resp: 23561

Ion Ratio Lower Upper

105 100

120 43.4 22.1 66.1





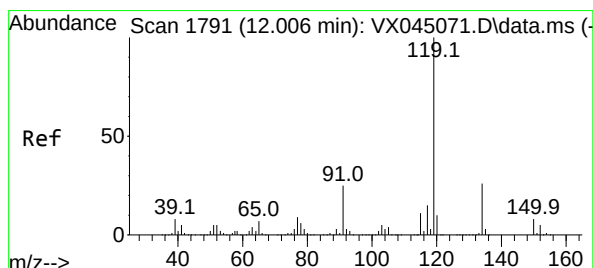
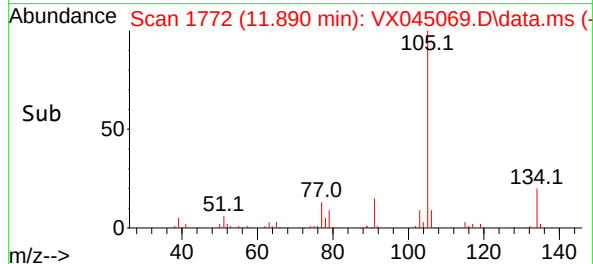
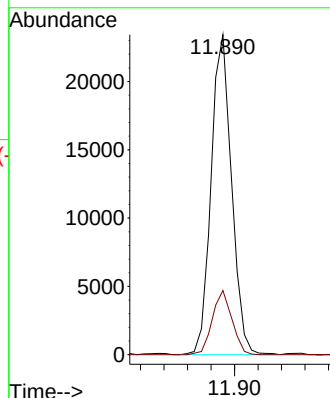
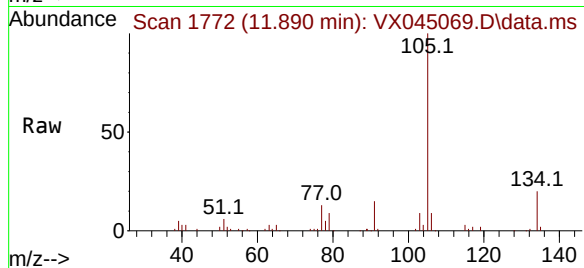
#85
sec-Butylbenzene
Concen: 4.687 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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

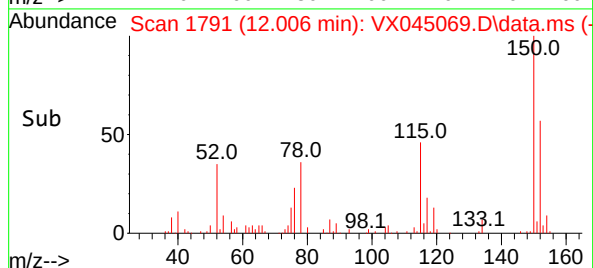
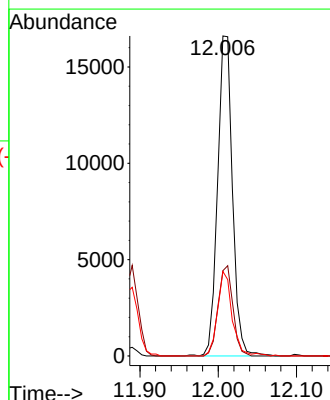
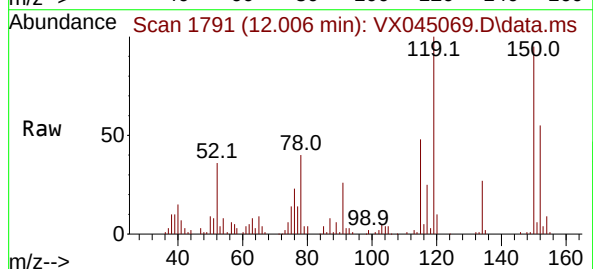
Manual Integrations
APPROVED

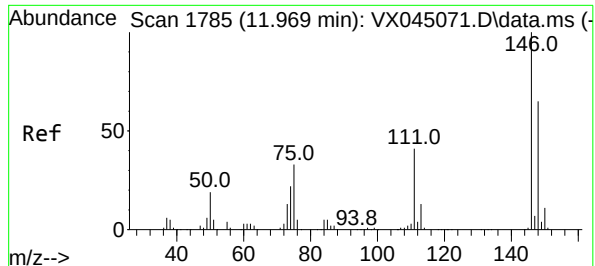
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

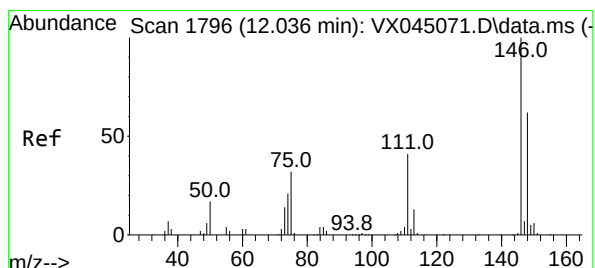
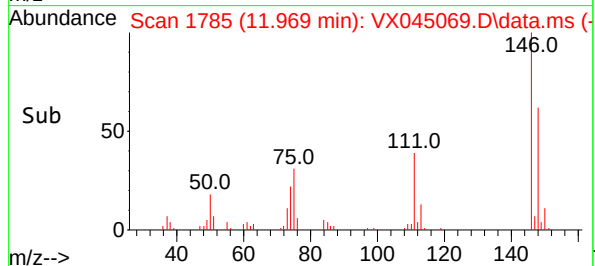
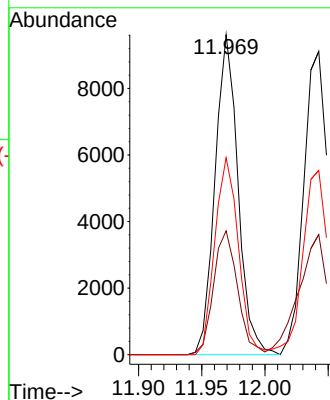
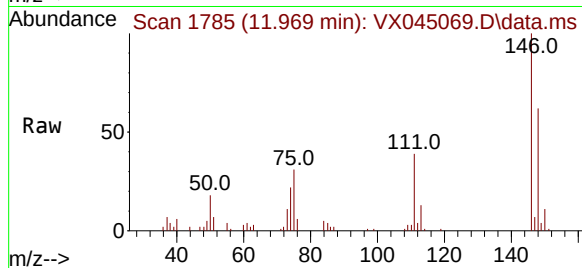
ClientSampleId :

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

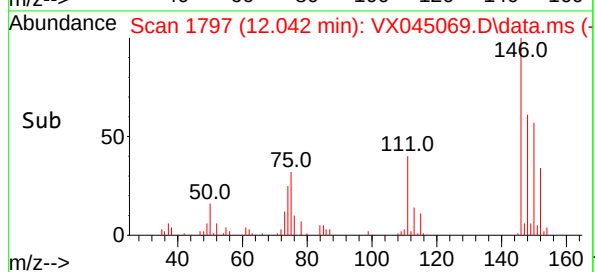
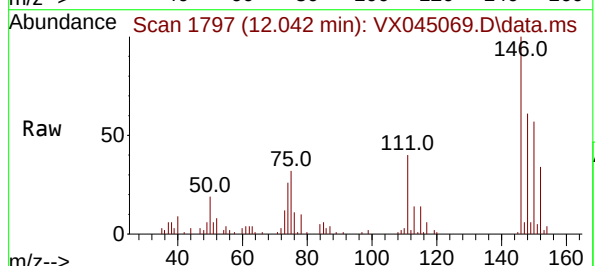
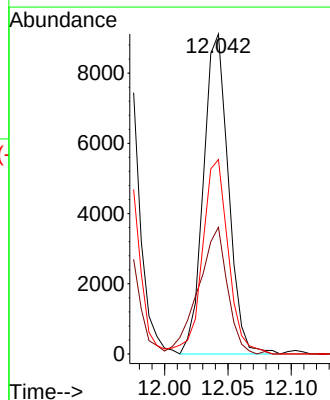
RT: 12.042 min Scan# 1797

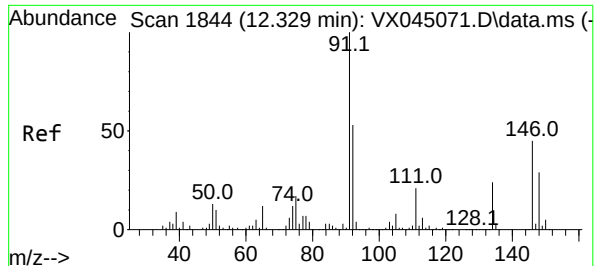
Delta R.T. 0.006 min

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 :

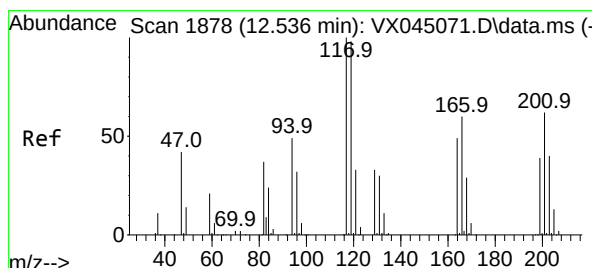
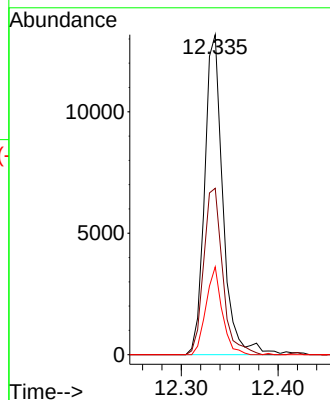
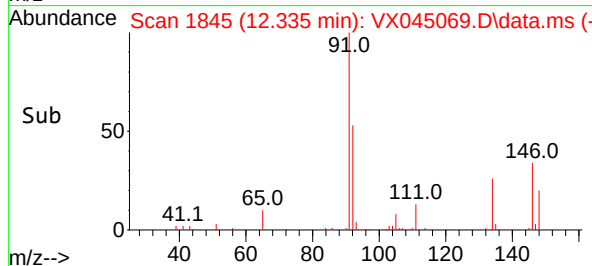
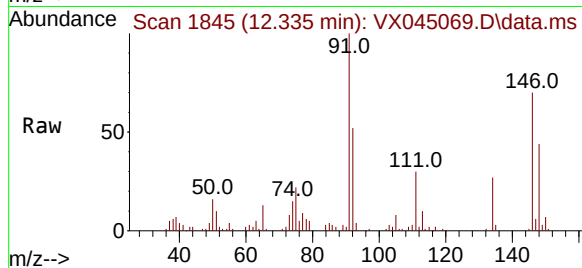
VSTDIC005

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

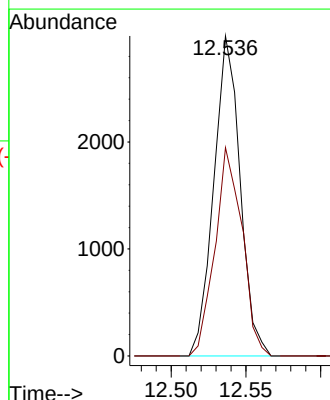
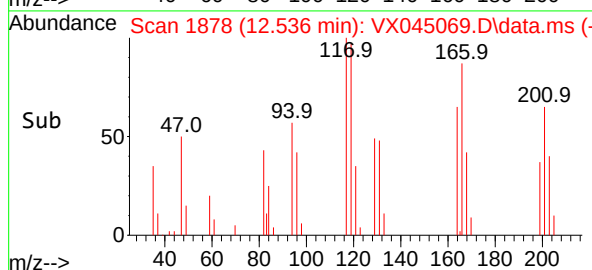
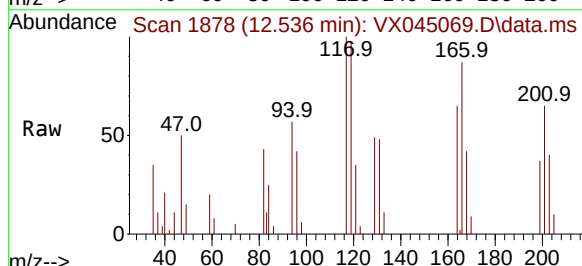
RT: 12.536 min Scan# 1878

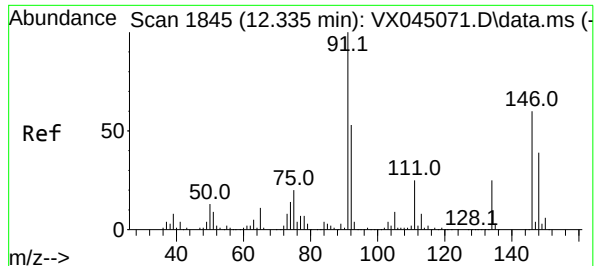
Delta R.T. -0.000 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

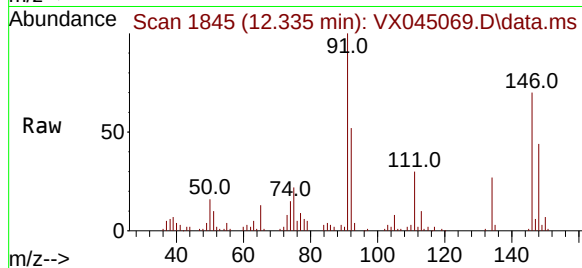
Tgt Ion: 117	Resp: 3665
Ion Ratio	Lower Upper
117	100
201	67.1 31.9 95.9





#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

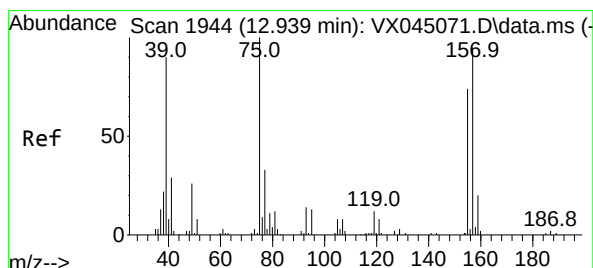
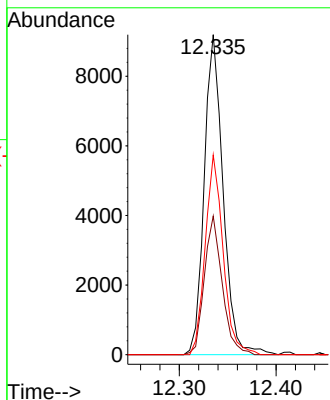
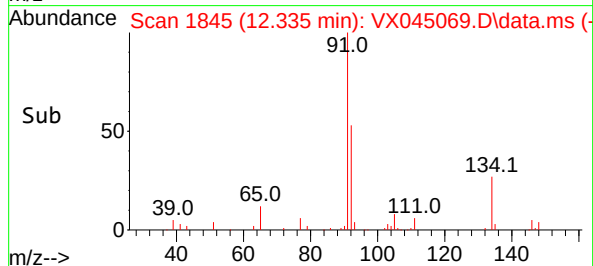
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



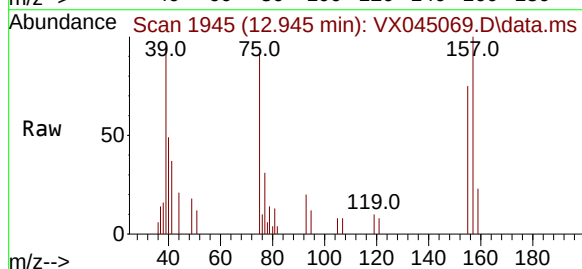
Tgt Ion:146 Resp: 1247
Ion Ratio Lower Upper
146 100
111 41.2 21.6 65.0
148 59.4 31.9 95.9

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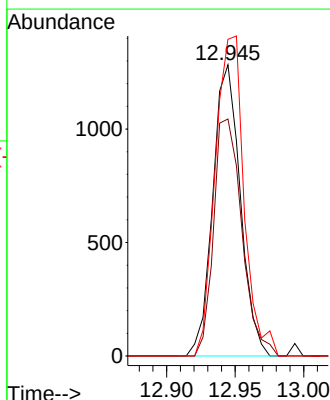
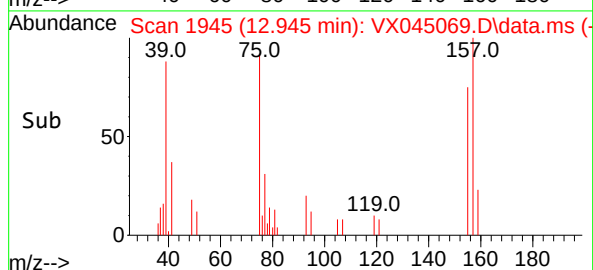
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

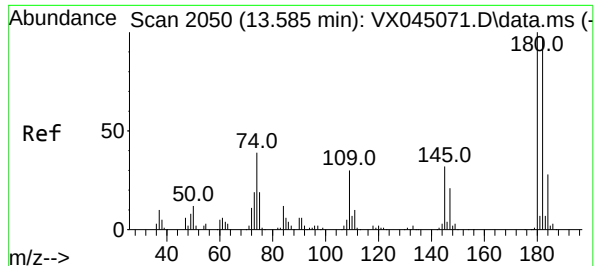


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.712 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13



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# 2050

Delta R.T. 0.006 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

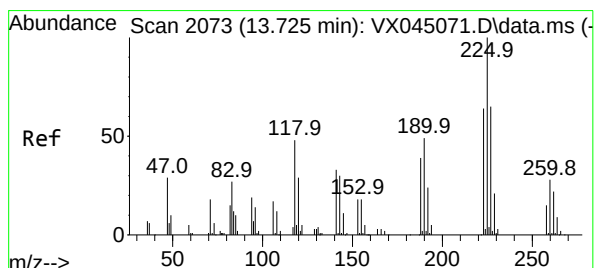
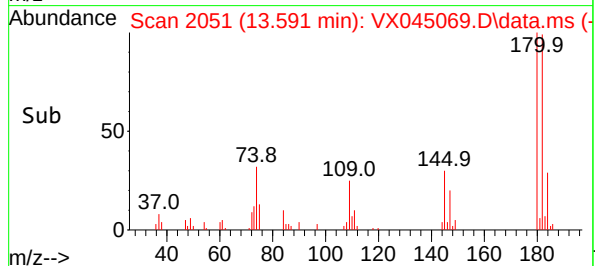
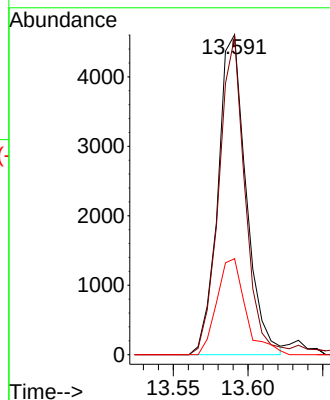
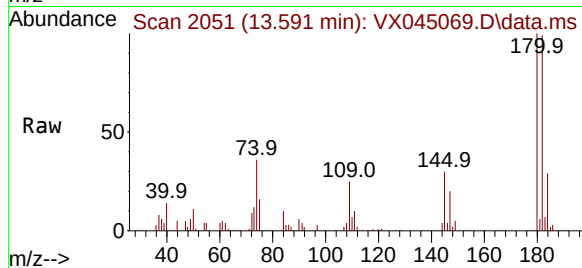
Tgt Ion:180	Resp:	6040
Ion Ratio	Lower	Upper
180	100	
182	92.4	47.3 141.9
145	30.6	16.3 48.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#94

Hexachlorobutadiene

Concen: 4.640 ug/l

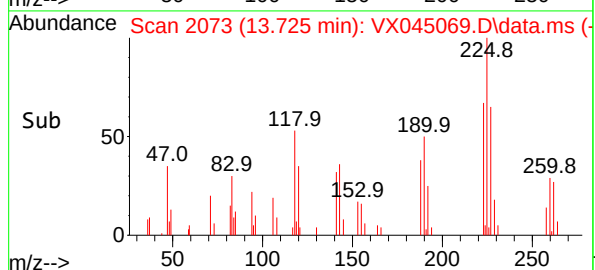
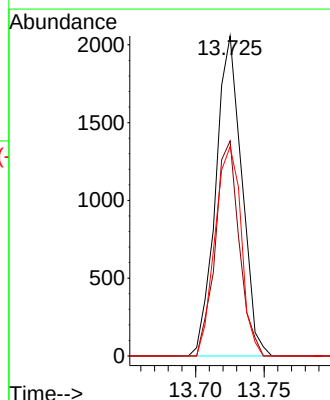
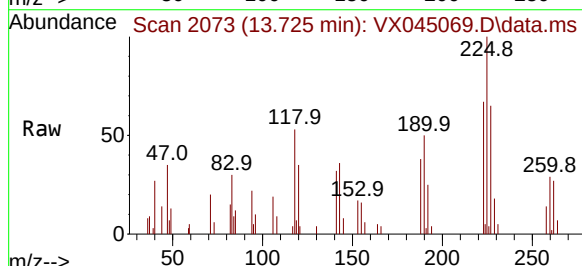
RT: 13.725 min Scan# 2073

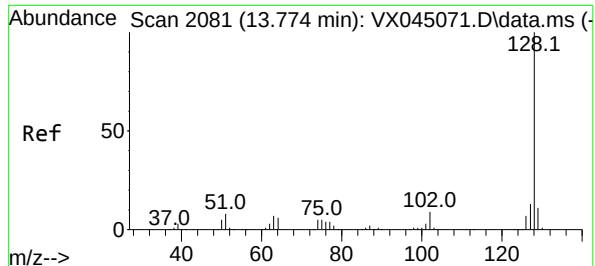
Delta R.T. -0.000 min

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 :

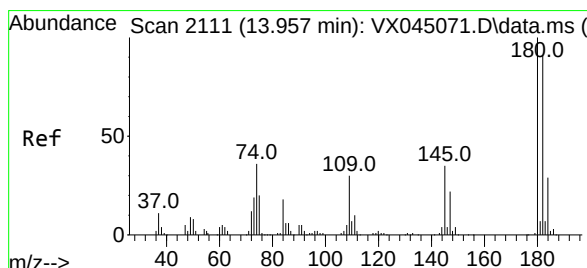
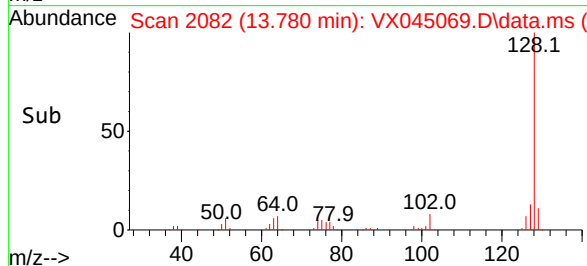
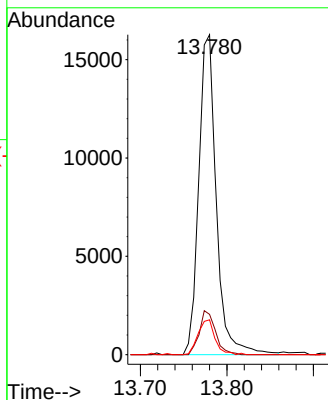
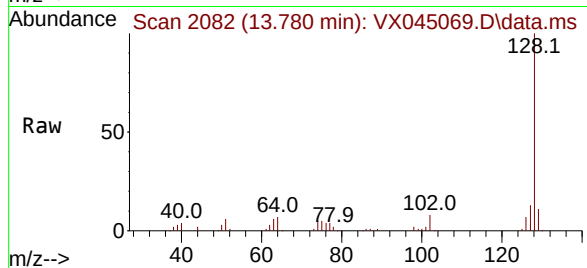
VSTDIC005

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 Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#96

1,2,3-Trichlorobenzene

Concen: 4.437 ug/l

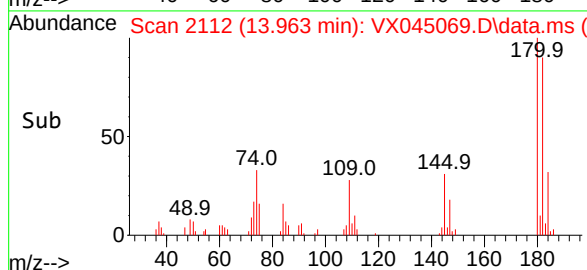
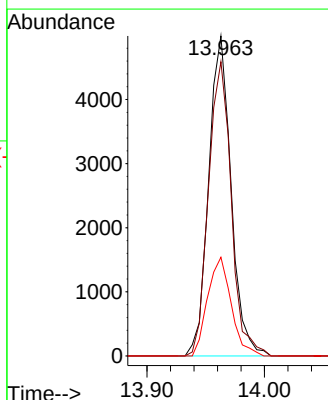
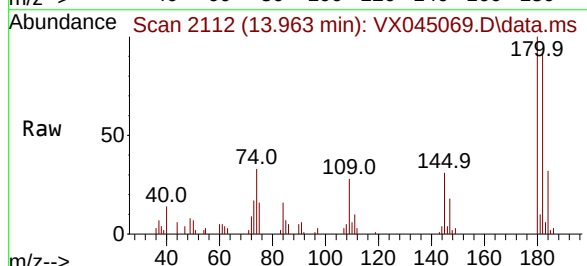
RT: 13.963 min Scan# 2112

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

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)
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

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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)
----------	------	------	----------	------	-------	----------

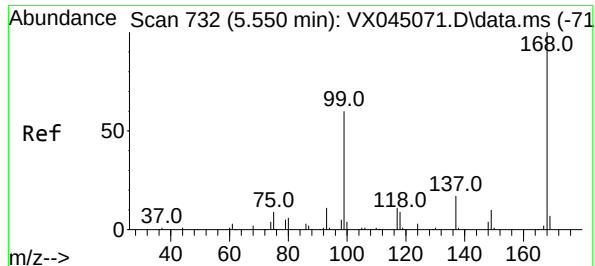
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations

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





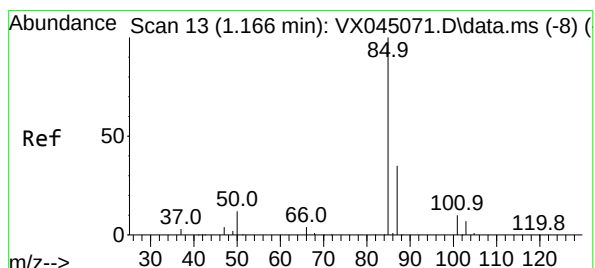
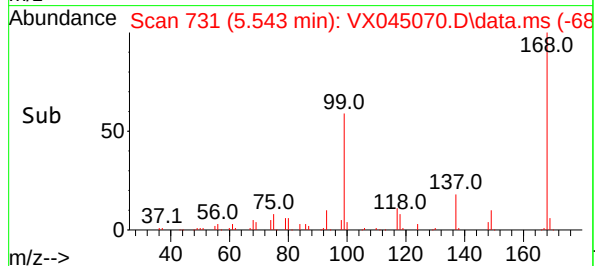
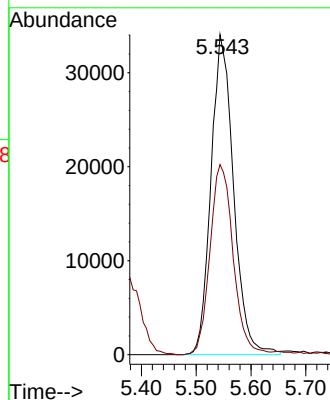
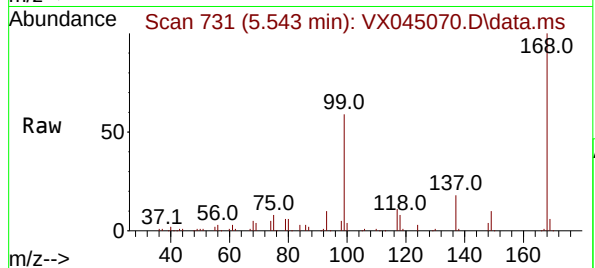
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

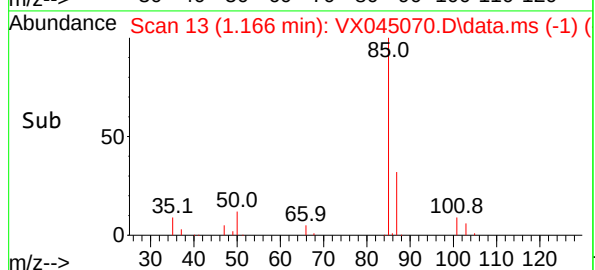
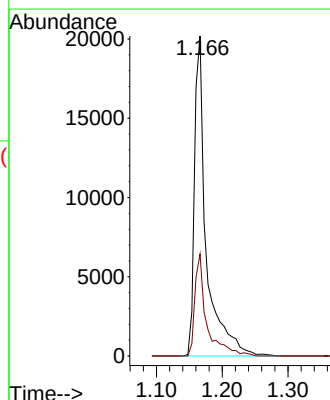
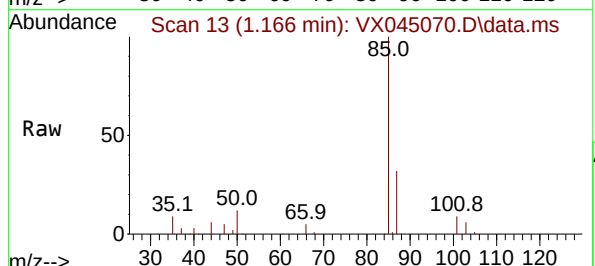
Manual Integrations
APPROVED

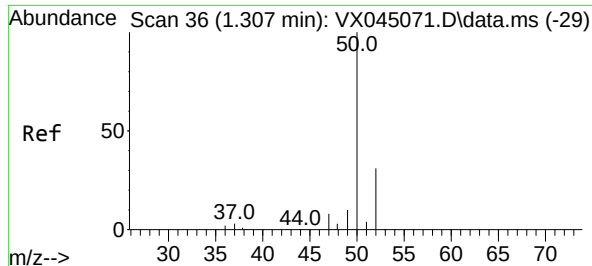
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





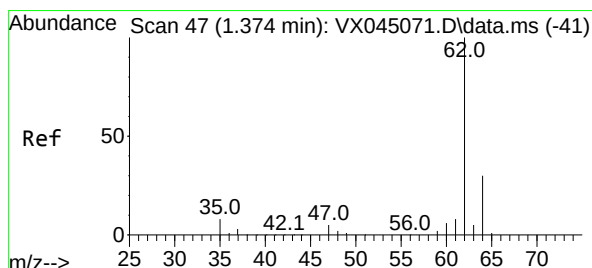
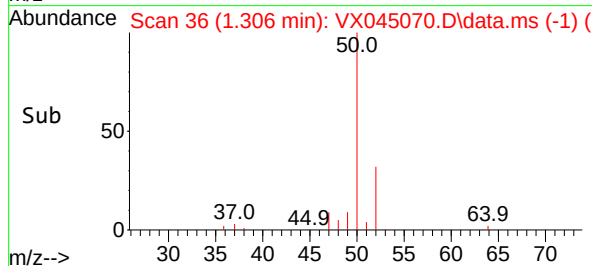
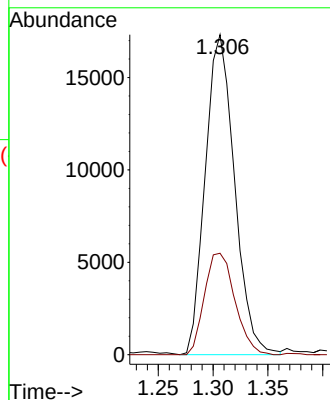
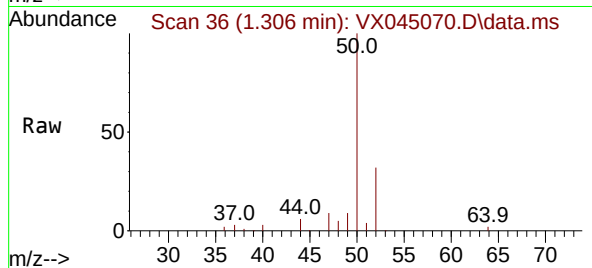
#3
Chloromethane
Concen: 19.736 ug/l
RT: 1.306 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

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

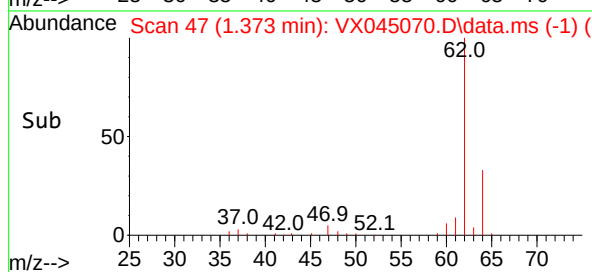
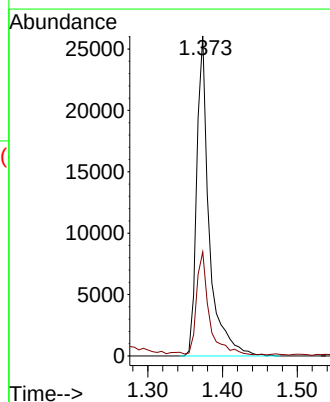
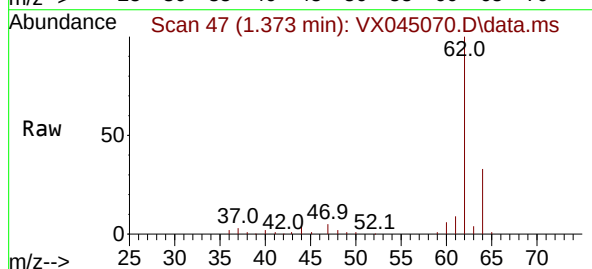
Manual Integrations
APPROVED

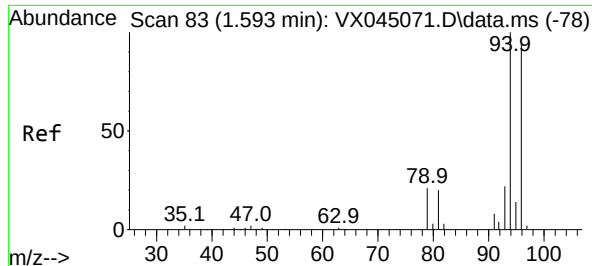
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





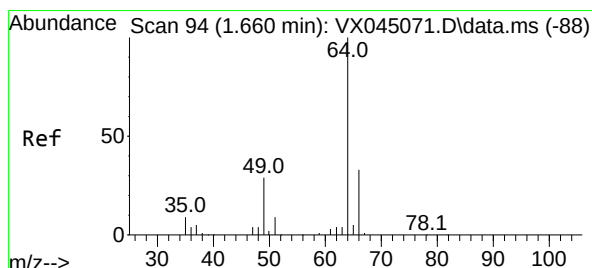
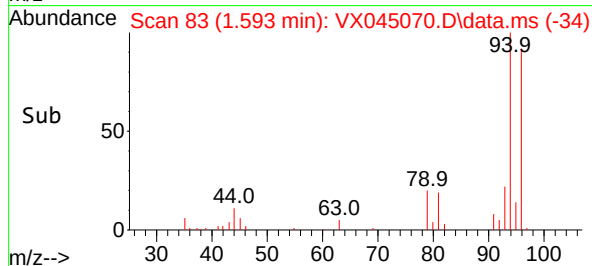
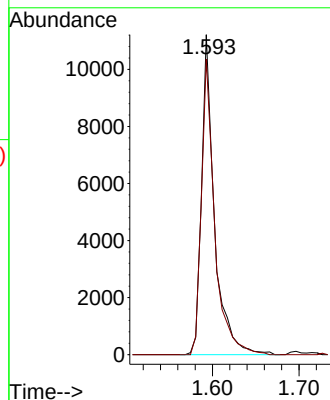
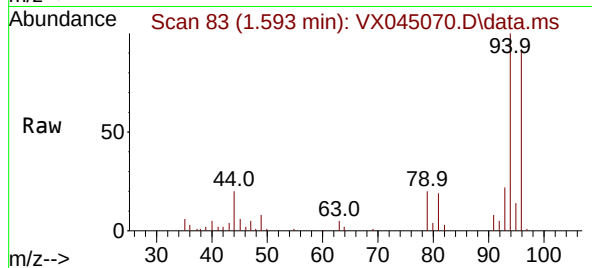
#5
Bromomethane
Concen: 23.239 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

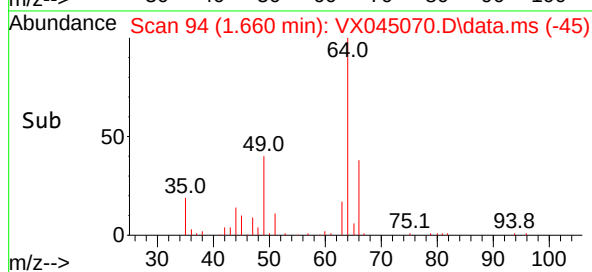
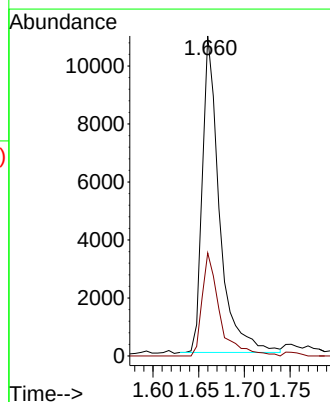
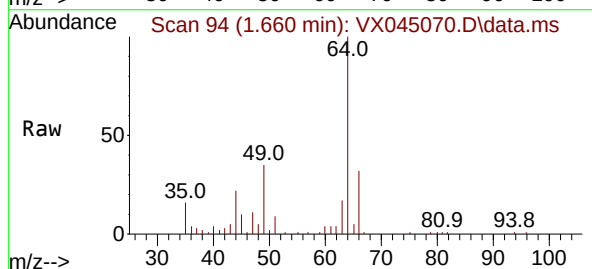
Manual Integrations
APPROVED

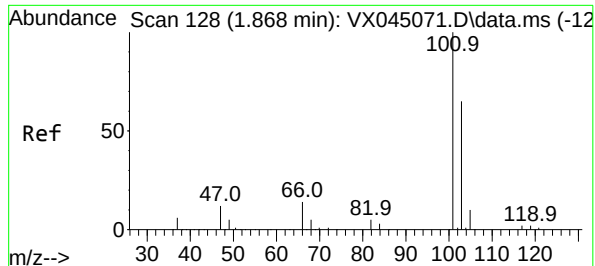
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

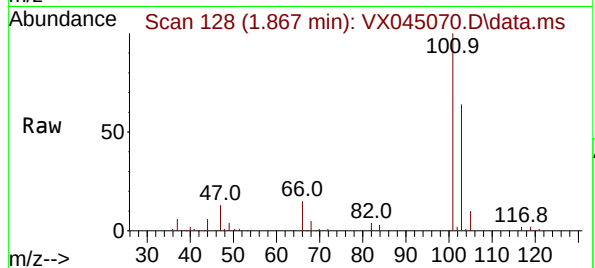
Tgt Ion: 64 Resp: 14237
Ion Ratio Lower Upper
64 100
66 32.6 26.7 40.1





#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

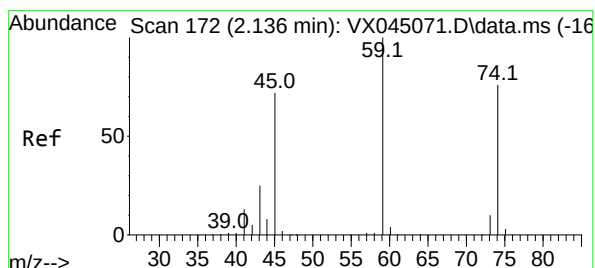
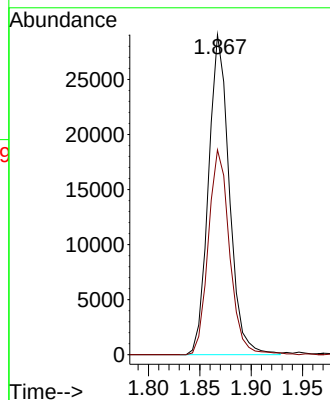
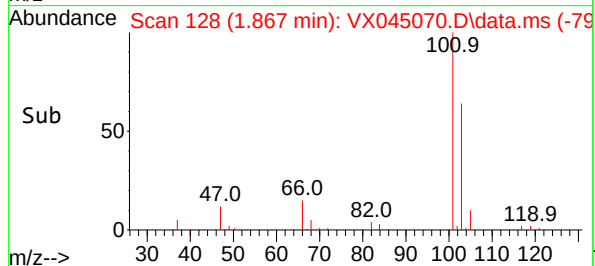
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



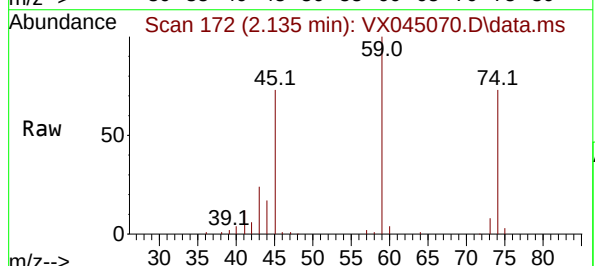
Tgt Ion:101 Resp: 40880
Ion Ratio Lower Upper
101 100
103 64.0 52.1 78.1

Manual Integrations
APPROVED

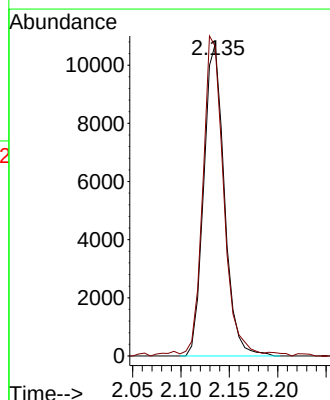
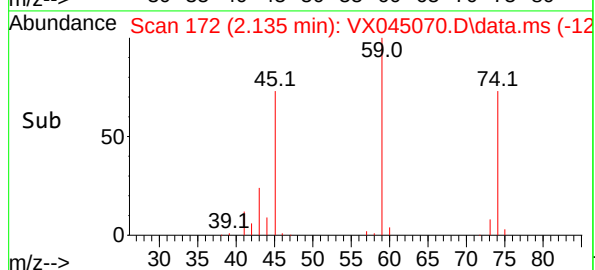
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

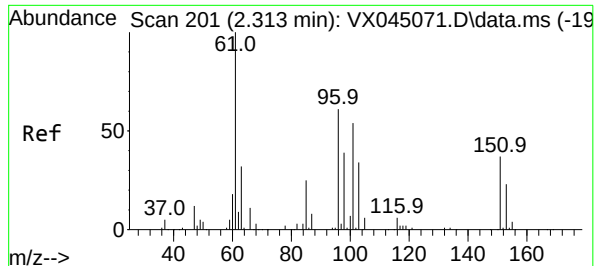


#8
Diethyl Ether
Concen: 21.437 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37



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

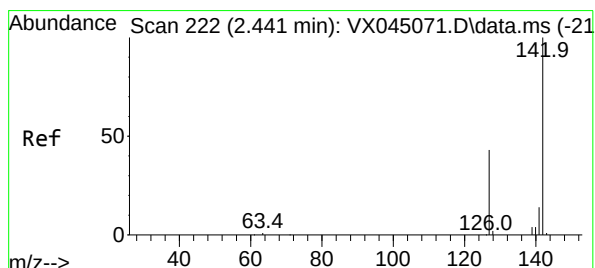
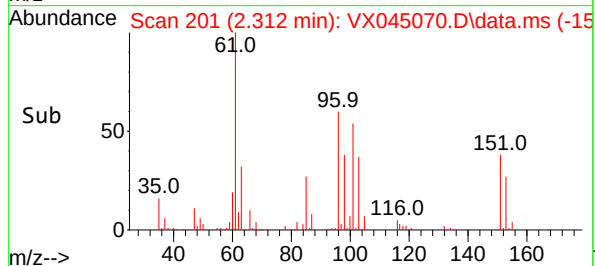
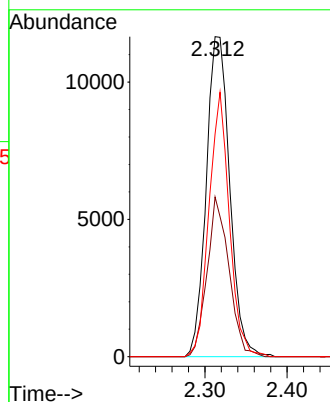
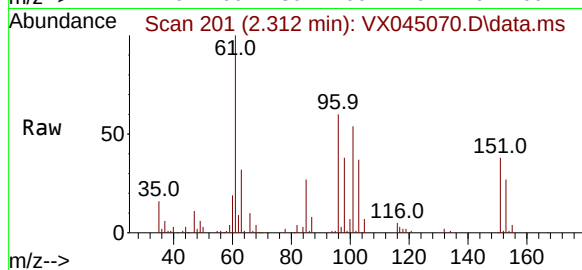
Tgt Ion:	101	Resp:	2315
Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.2	54.4
151	71.8	56.4	84.6

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

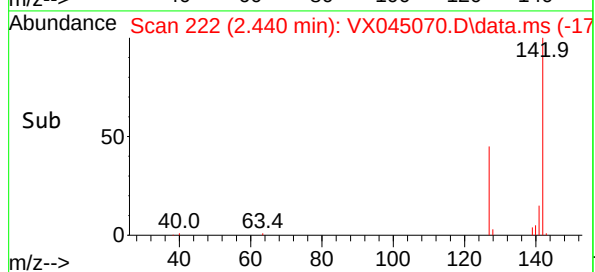
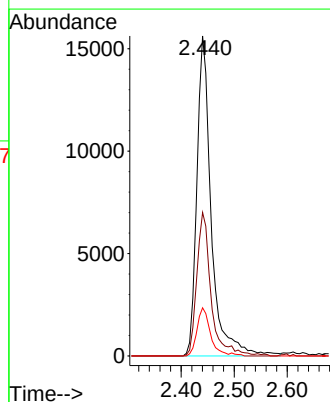
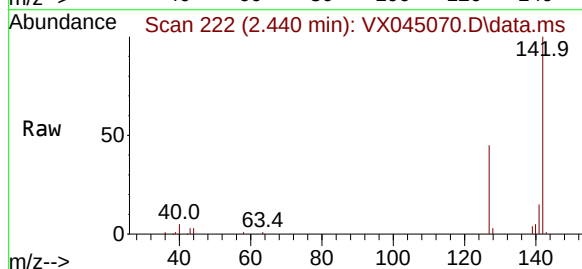
RT: 2.440 min Scan# 222

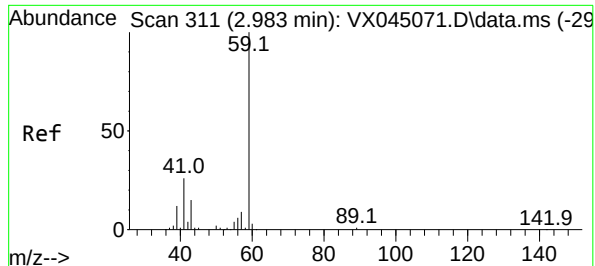
Delta R.T. -0.000 min

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 :

VSTDIC020

Tgt Ion: 59 Resp: 31240

Ion Ratio Lower Upper

59 100

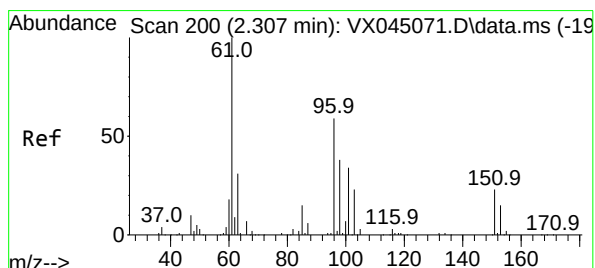
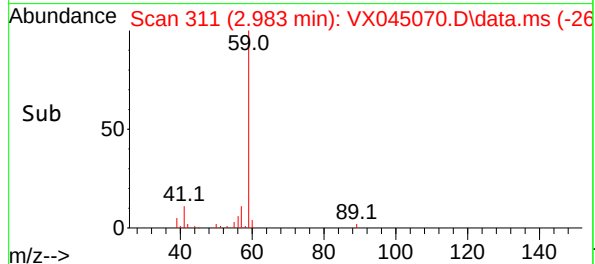
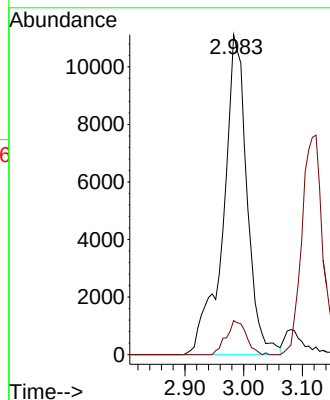
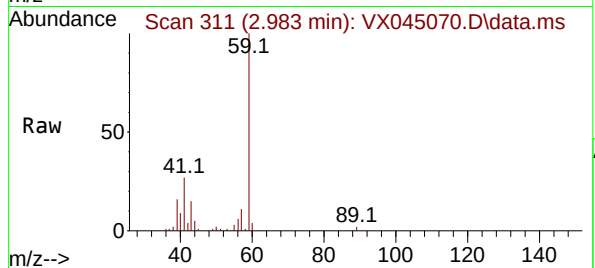
57 8.9 7.8 11.8

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

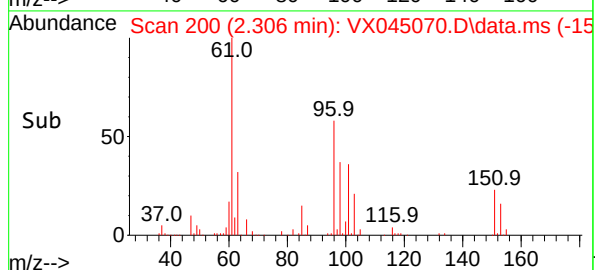
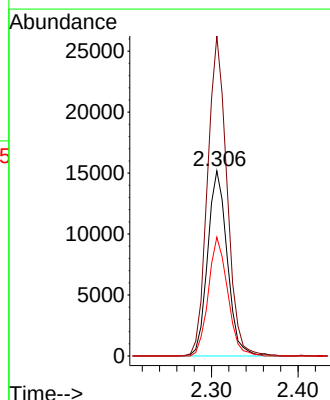
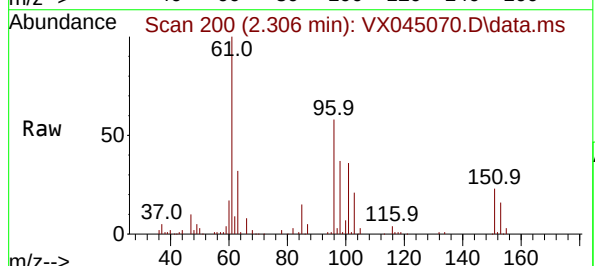
Tgt Ion: 96 Resp: 23810

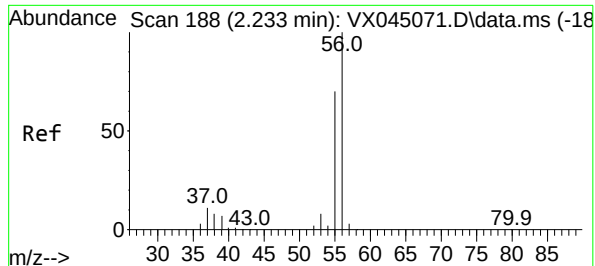
Ion Ratio Lower Upper

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: 3358

Ion Ratio Lower Upper

56 100

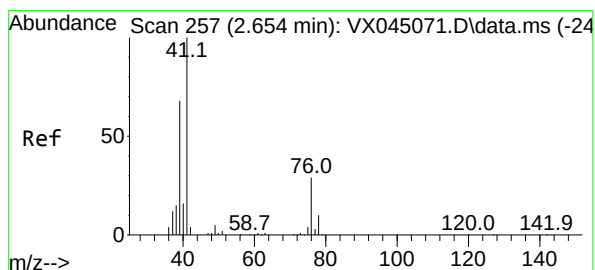
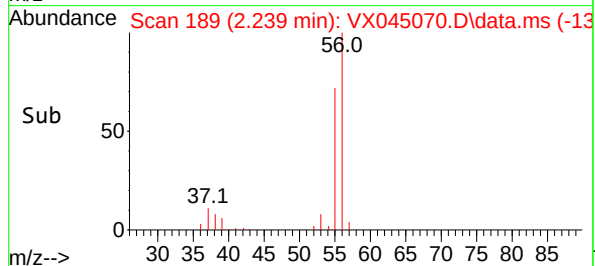
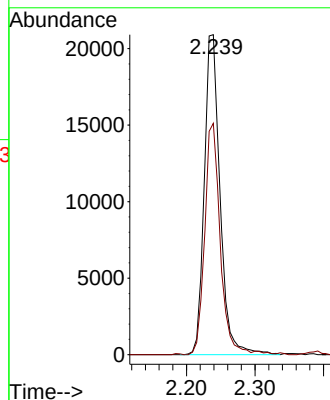
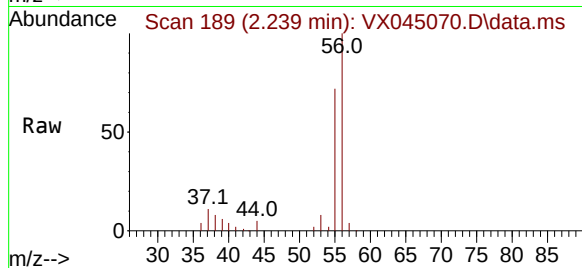
55 71.4 56.2 84.4

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

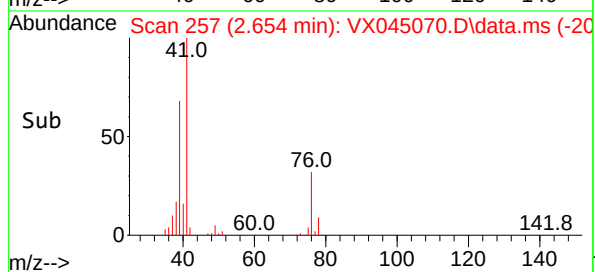
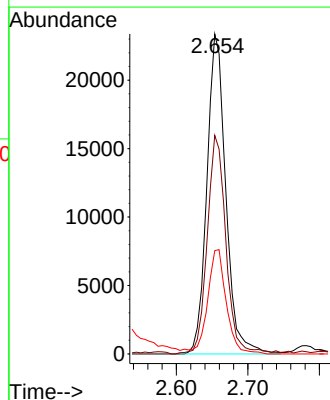
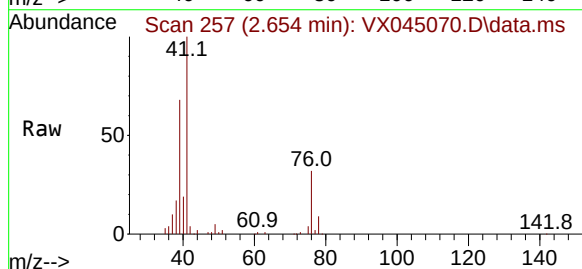
Tgt Ion: 41 Resp: 42993

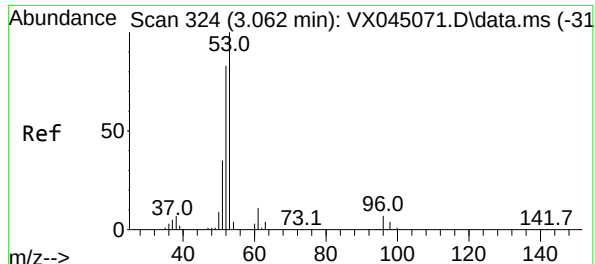
Ion Ratio Lower Upper

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 :

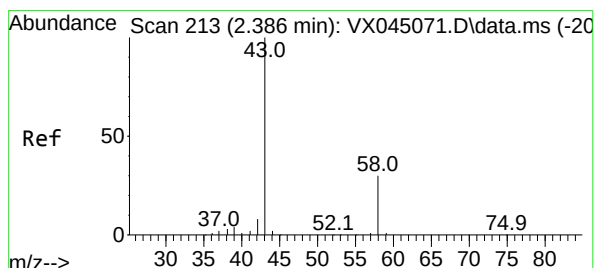
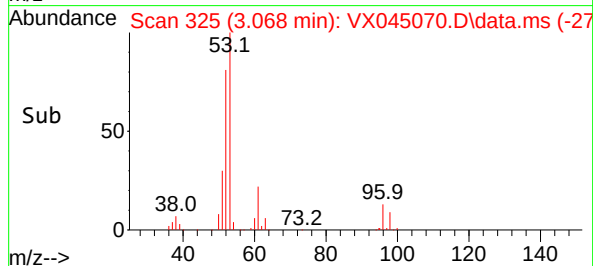
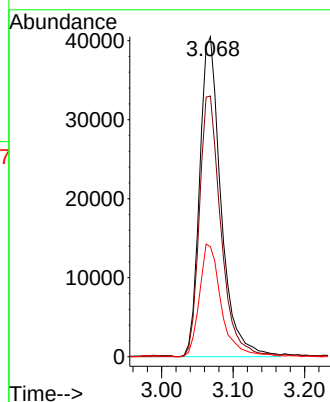
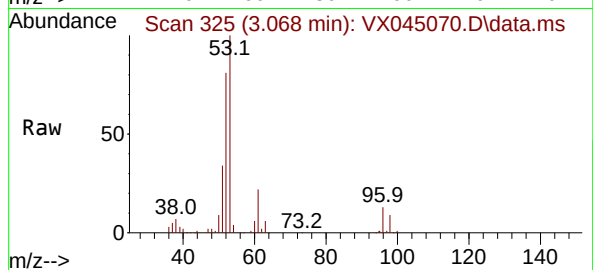
VSTDICC020

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

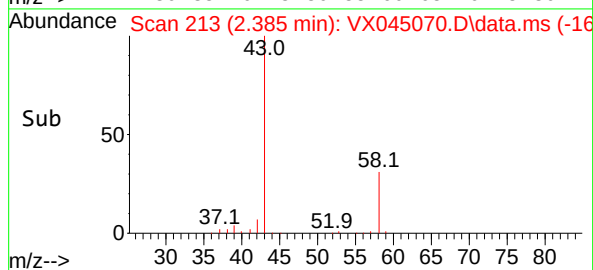
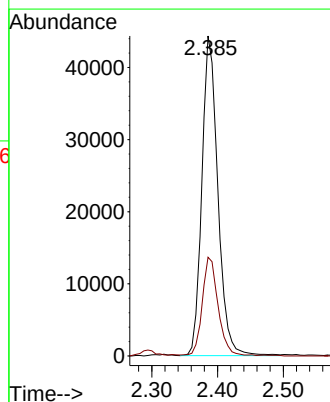
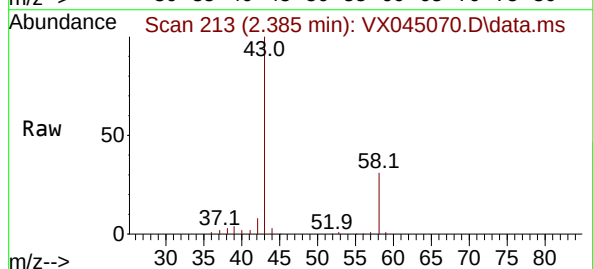
RT: 2.385 min Scan# 213

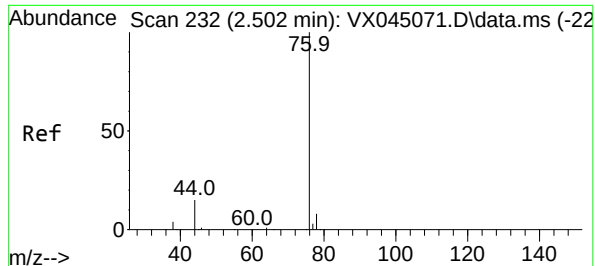
Delta R.T. -0.000 min

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

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 76 Resp: 6180

Ion Ratio Lower Upper

76 100

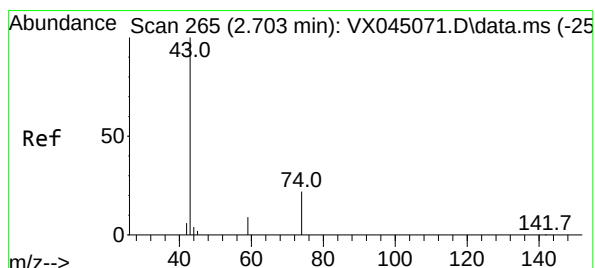
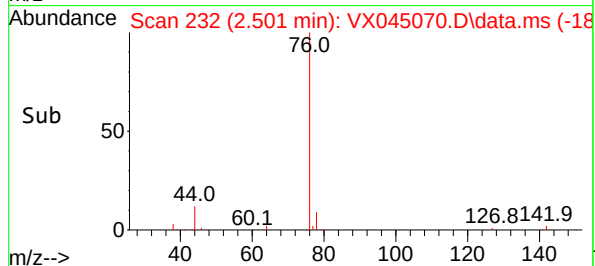
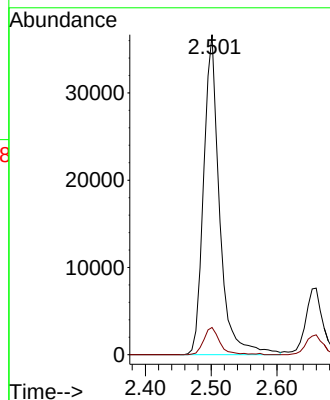
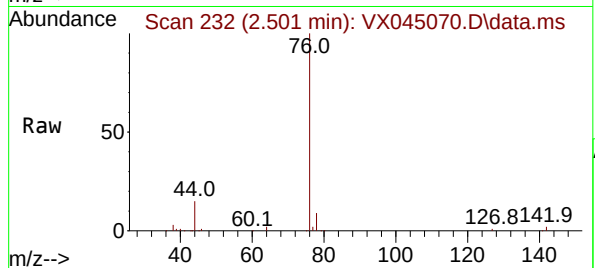
78 8.5 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#18

Methyl Acetate

Concen: 19.729 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX045070.D

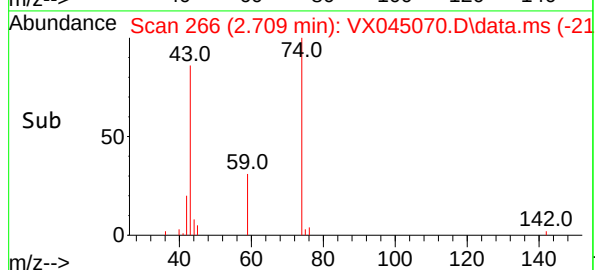
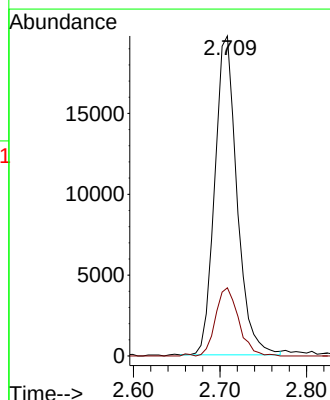
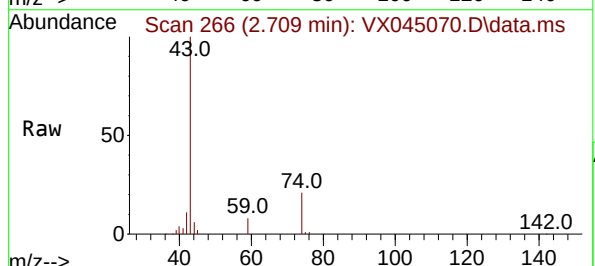
Acq: 28 Feb 2025 02:37

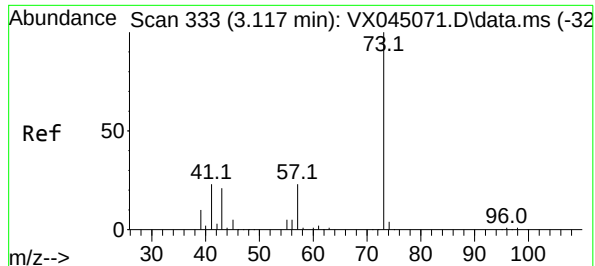
Tgt Ion: 43 Resp: 35157

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# 31

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

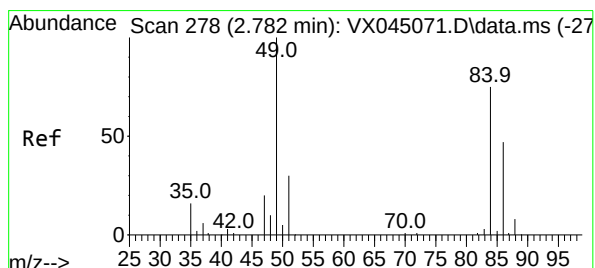
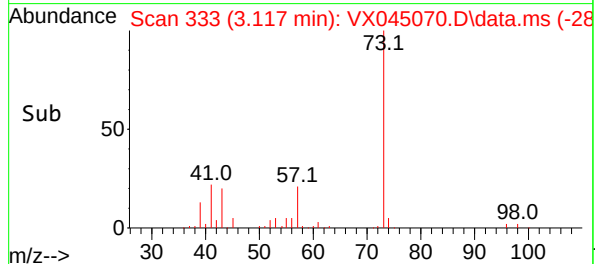
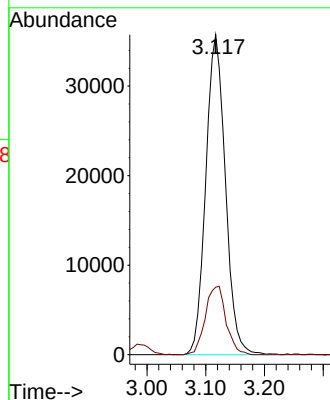
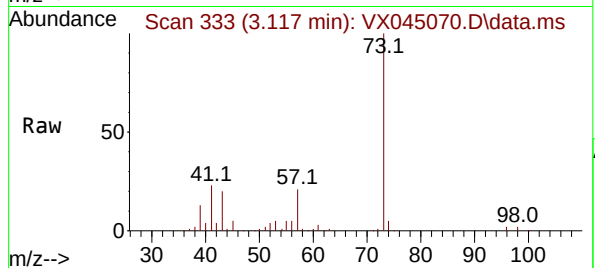
57 21.1 18.5 27.7

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

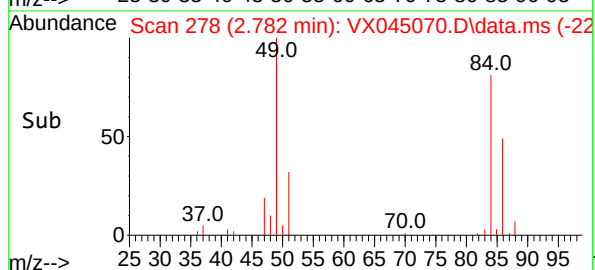
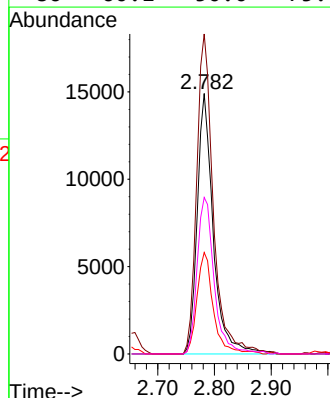
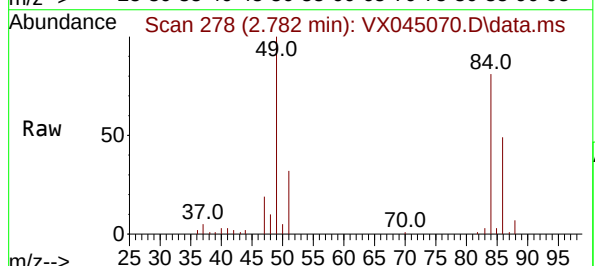
Ion Ratio Lower Upper

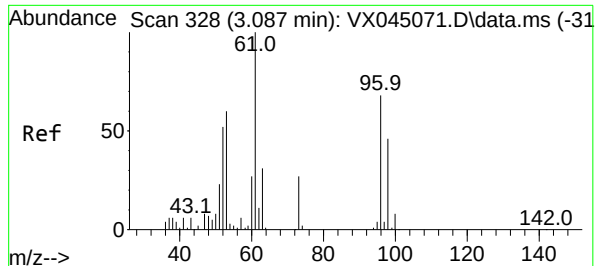
84 100

49 122.9 106.5 159.7

51 38.9 32.1 48.1

86 60.1 50.0 75.0





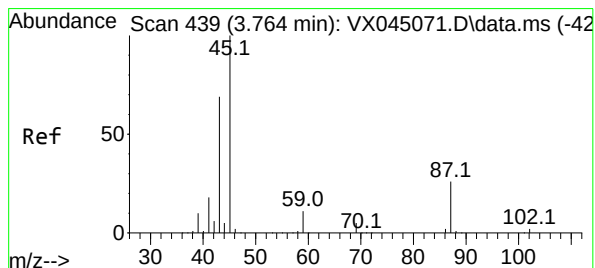
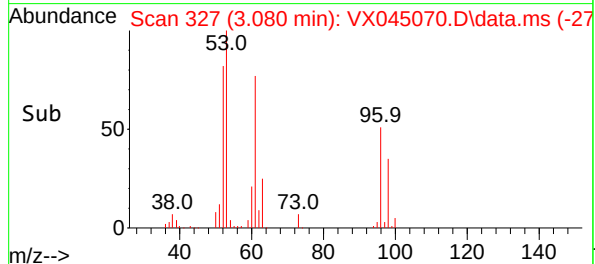
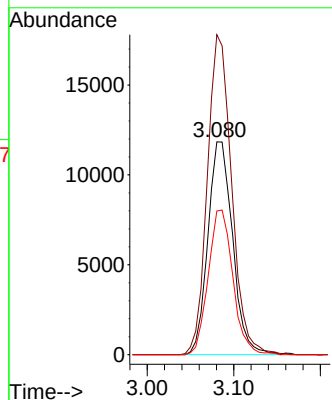
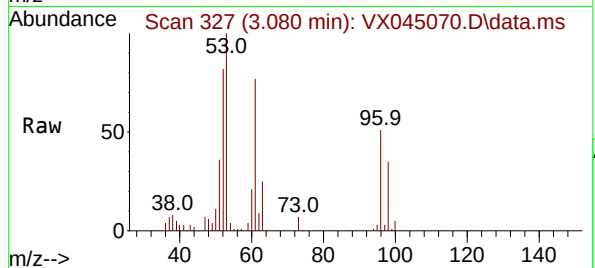
#21
trans-1,2-Dichloroethene
Concen: 19.057 ug/l
RT: 3.080 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

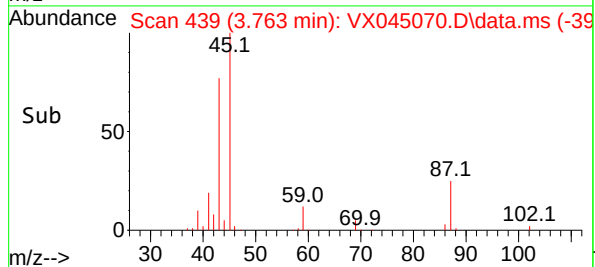
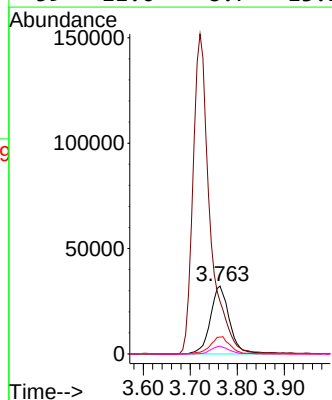
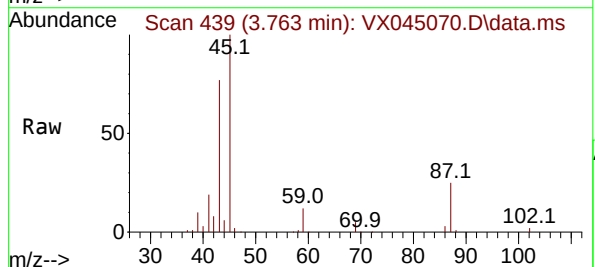
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APPROVED

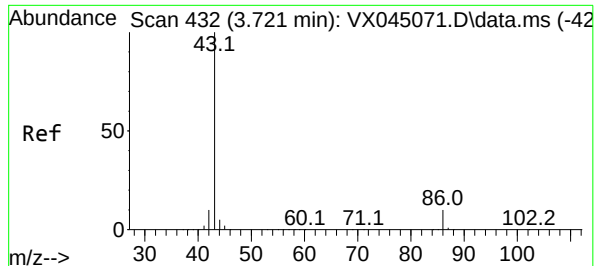
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





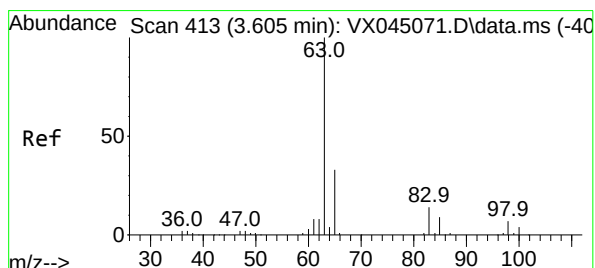
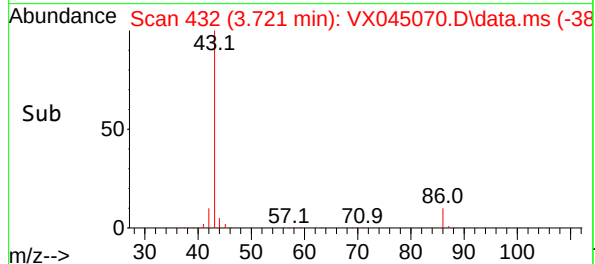
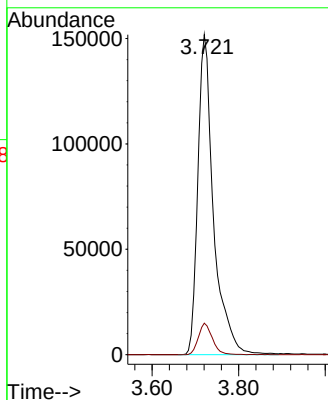
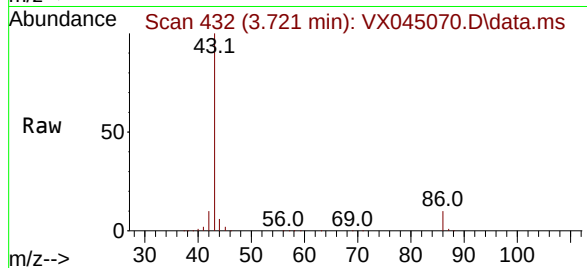
#23
Vinyl Acetate
Concen: 108.038 ug/l
RT: 3.721 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

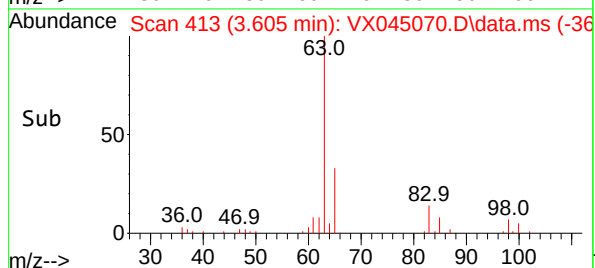
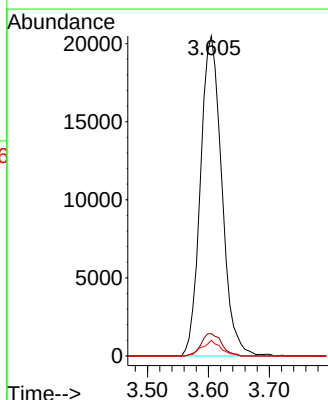
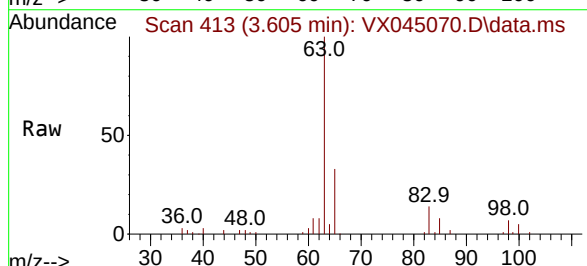
Manual Integrations
APPROVED

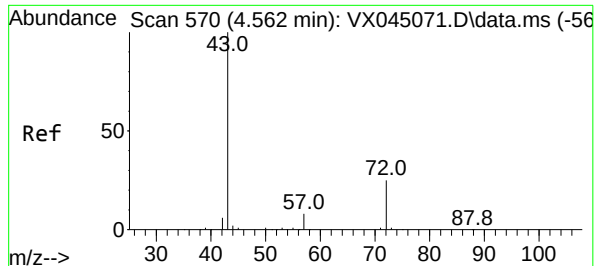
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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# 511

Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 11871

Ion Ratio Lower Upper

43 100

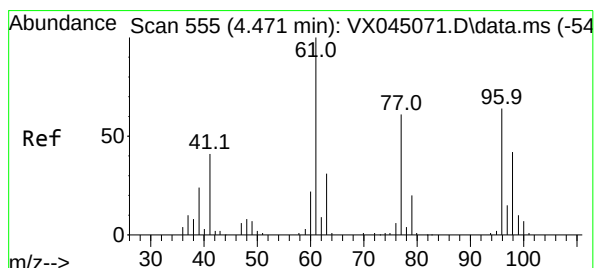
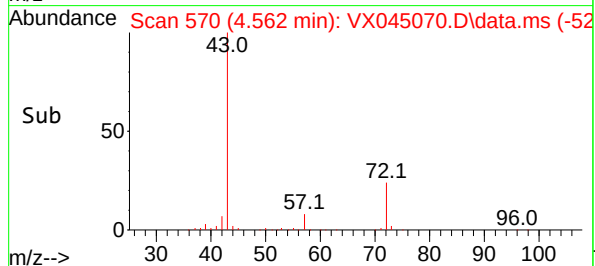
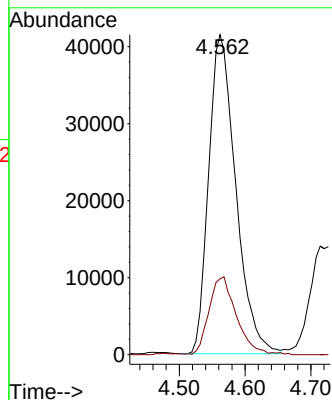
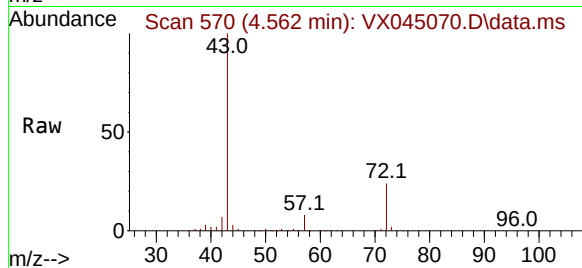
72 23.5 20.0 30.0

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

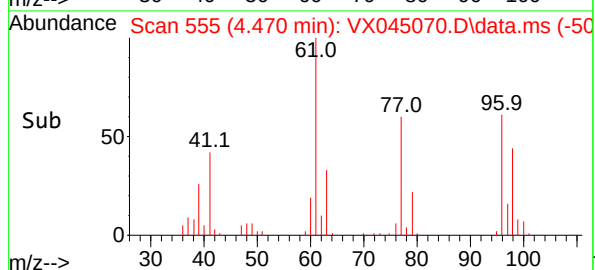
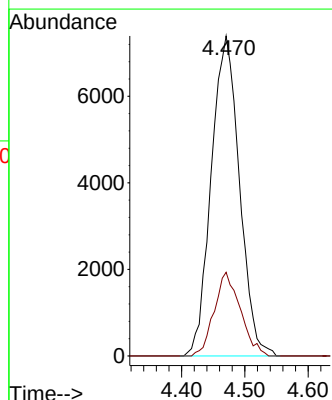
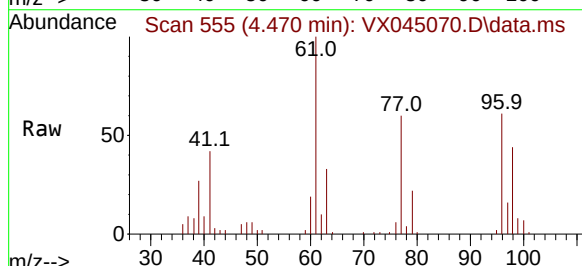
Acq: 28 Feb 2025 02:37

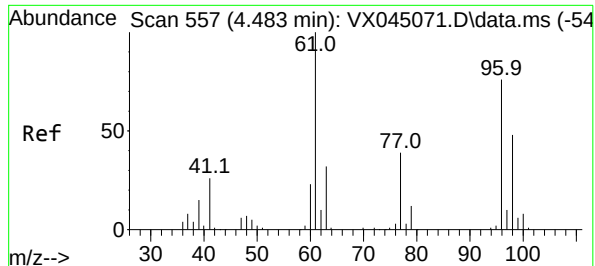
Tgt Ion: 77 Resp: 22886

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

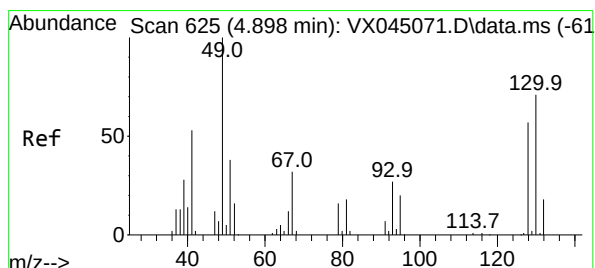
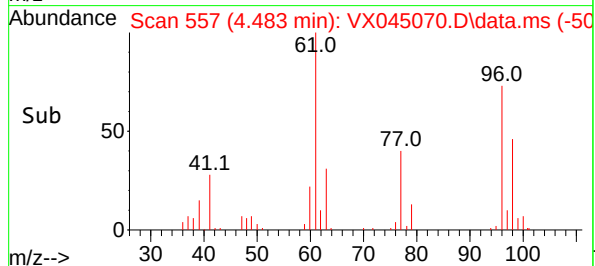
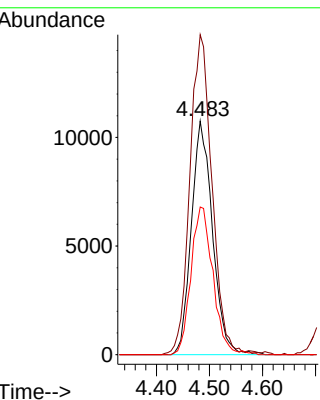
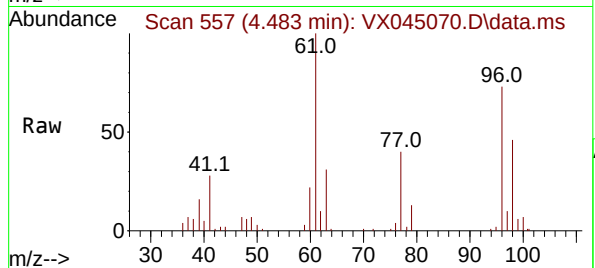
98 65.6 0.0 128.0

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

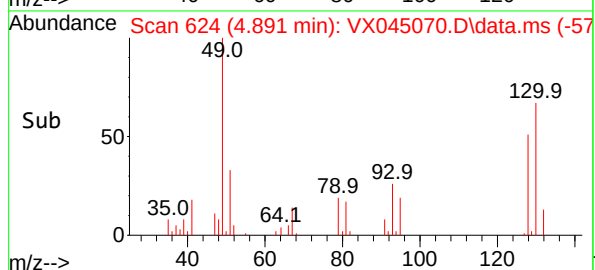
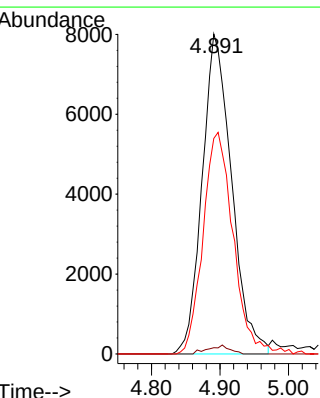
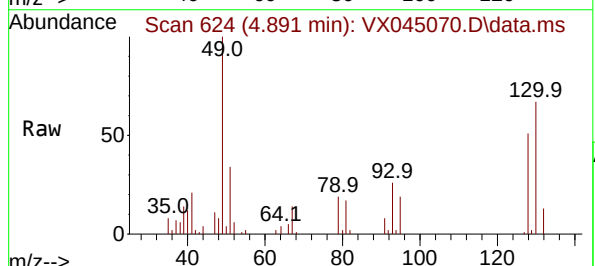
Tgt Ion: 49 Resp: 23869

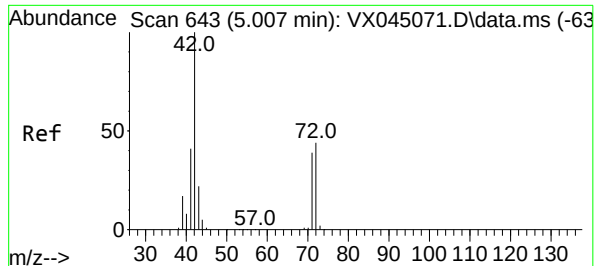
Ion Ratio Lower Upper

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 :

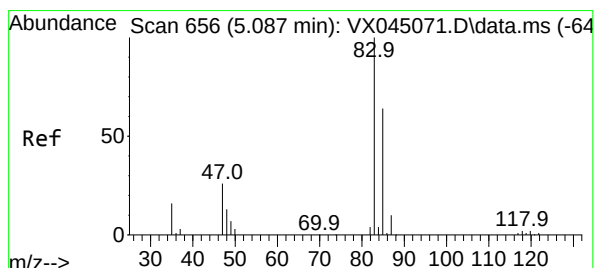
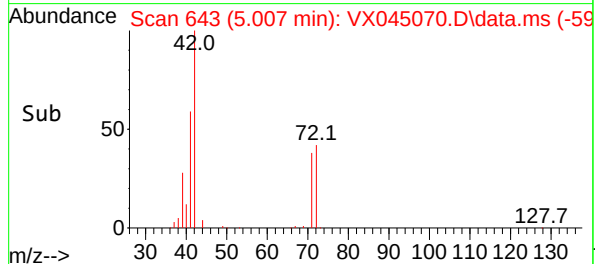
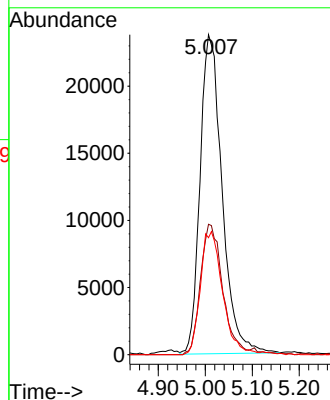
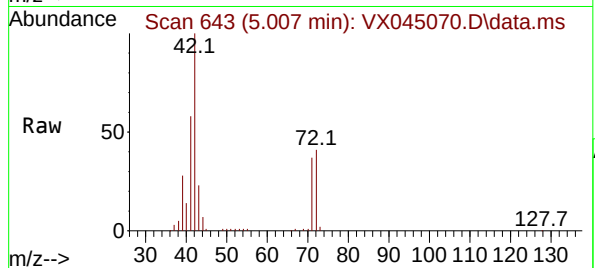
VSTDIC020

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

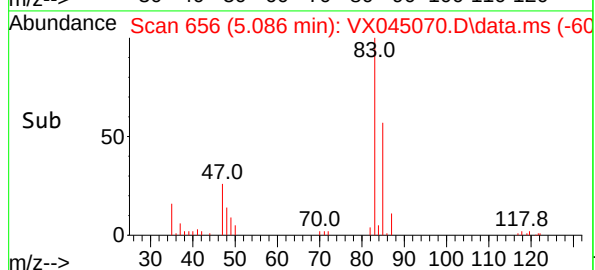
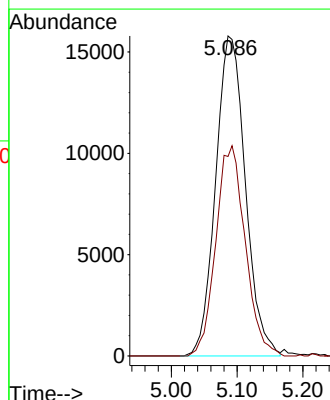
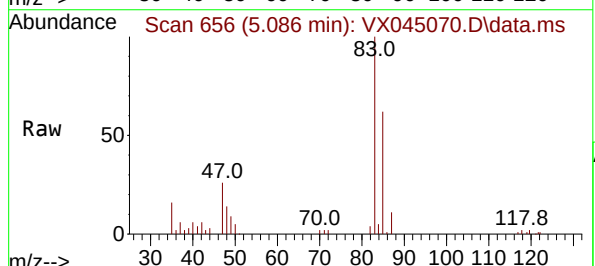
RT: 5.086 min Scan# 656

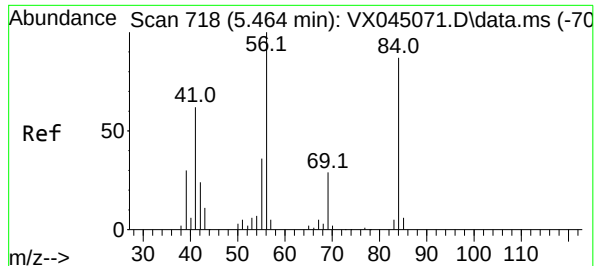
Delta R.T. -0.000 min

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

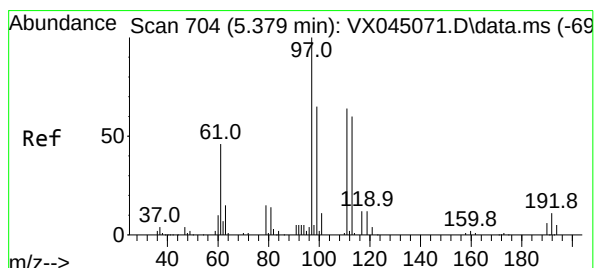
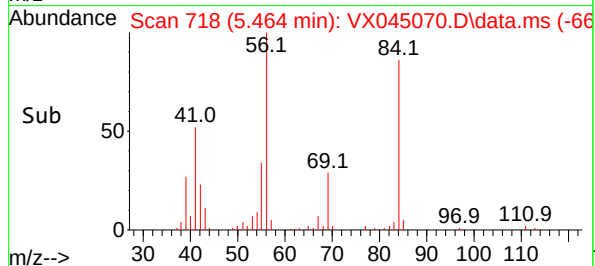
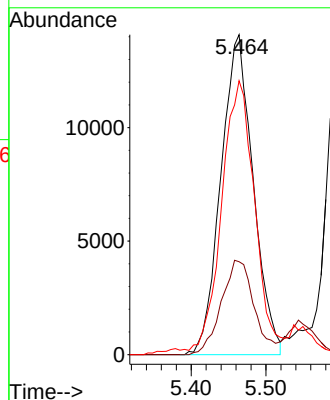
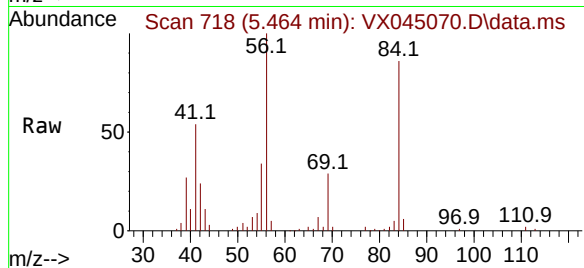
84 84.2 69.4 104.2

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

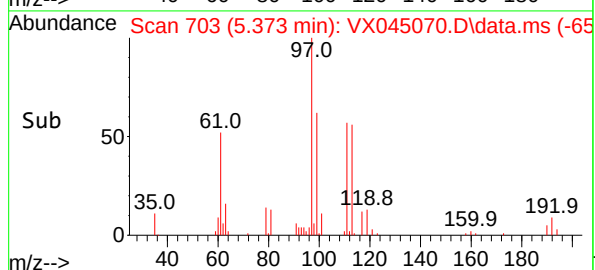
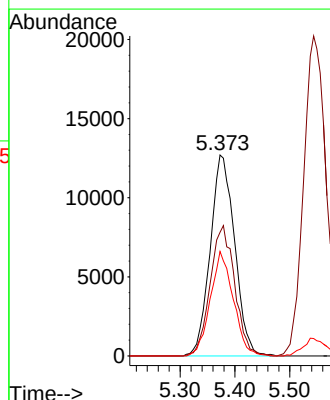
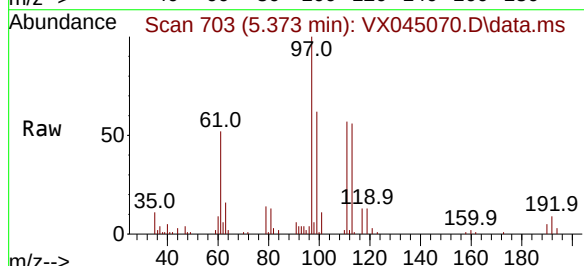
Tgt Ion: 97 Resp: 39276

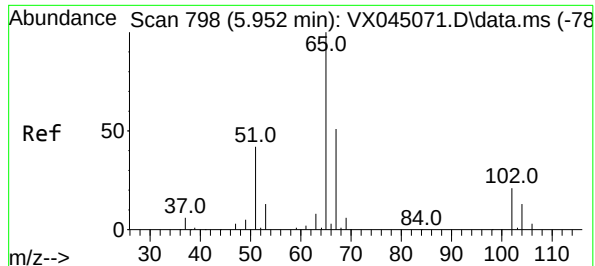
Ion Ratio Lower Upper

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 :

VSTDICC020

Tgt Ion: 65 Resp: 30514

Ion Ratio Lower Upper

65 100

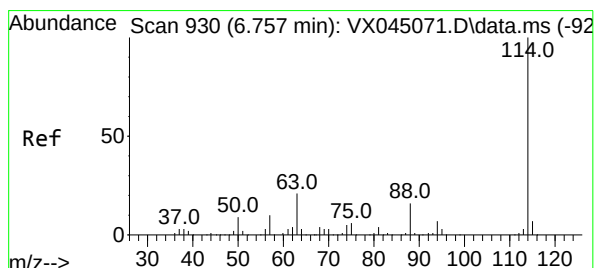
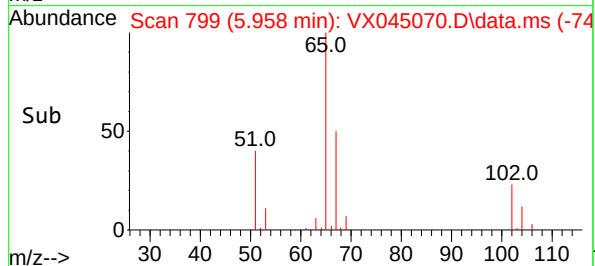
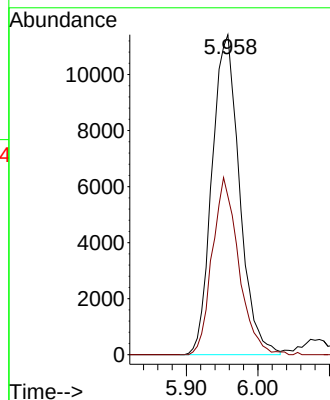
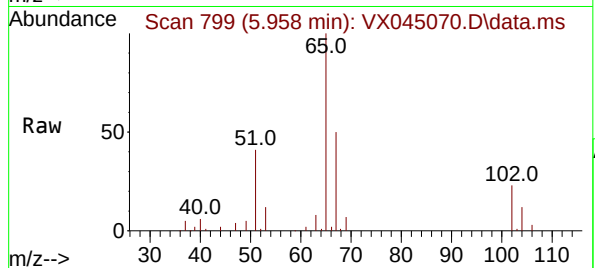
67 53.2 0.0 106.2

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

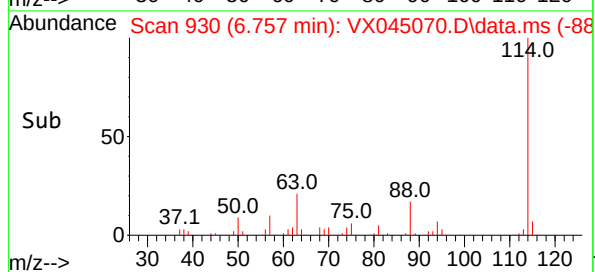
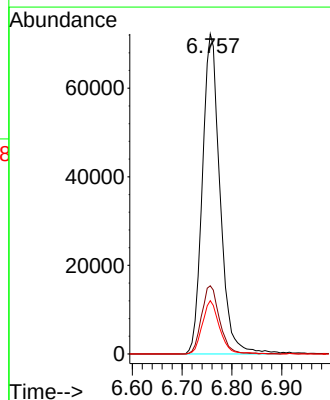
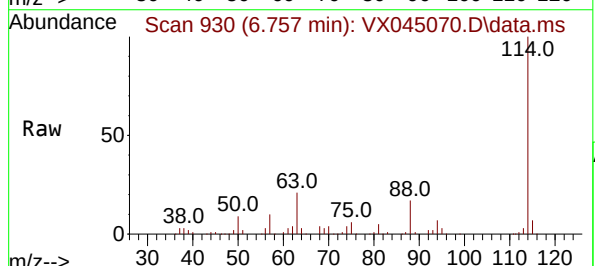
Tgt Ion:114 Resp: 177403

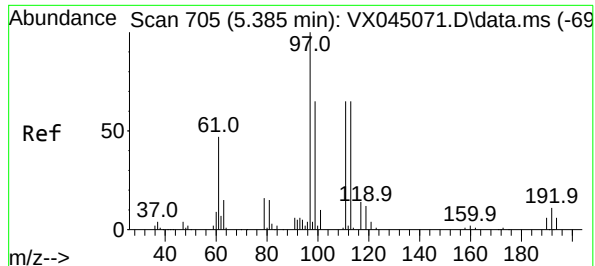
Ion Ratio Lower Upper

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 :

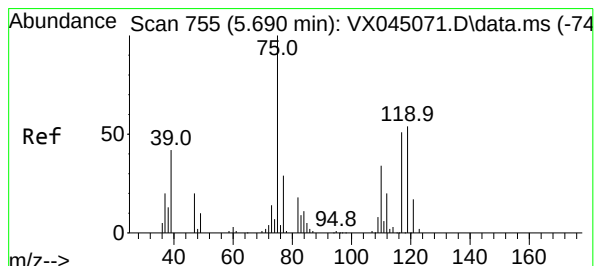
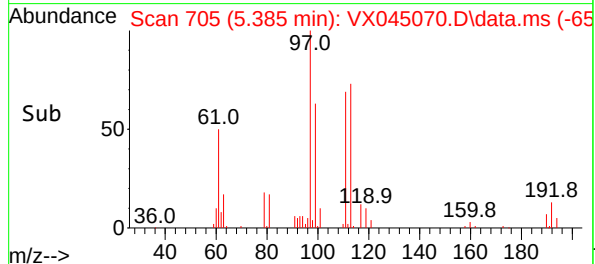
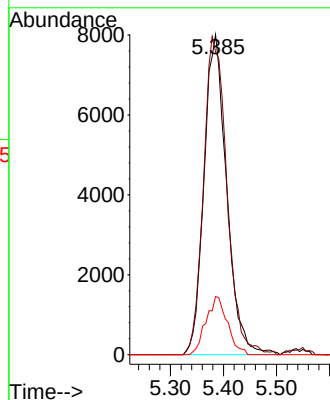
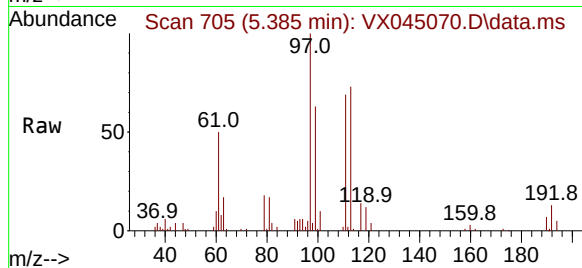
VSTDICC020

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

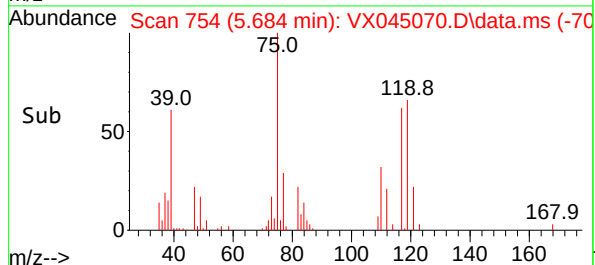
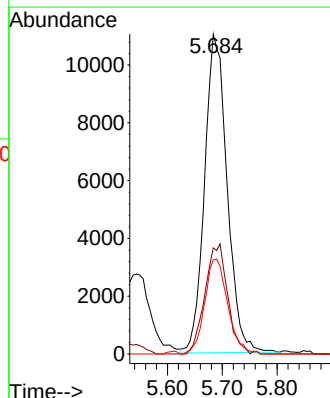
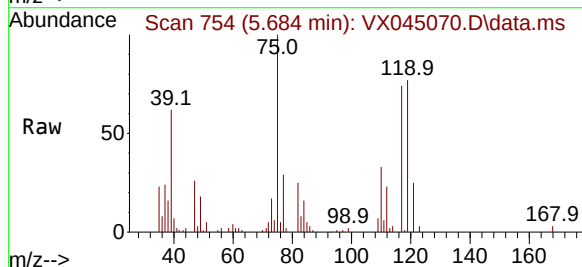
RT: 5.684 min Scan# 754

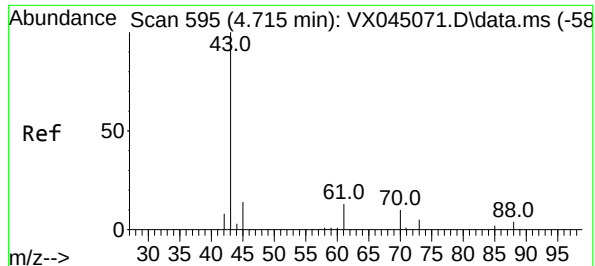
Delta R.T. -0.006 min

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

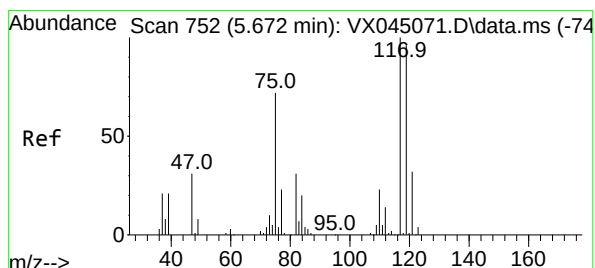
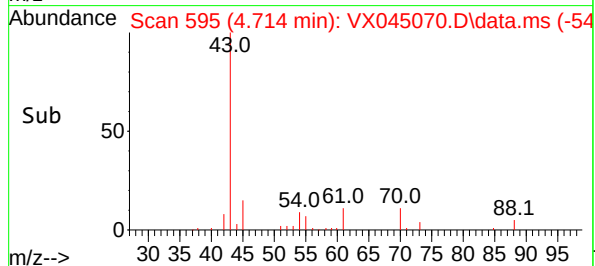
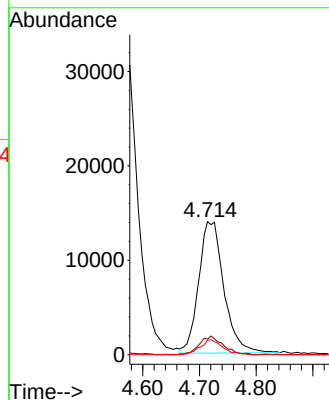
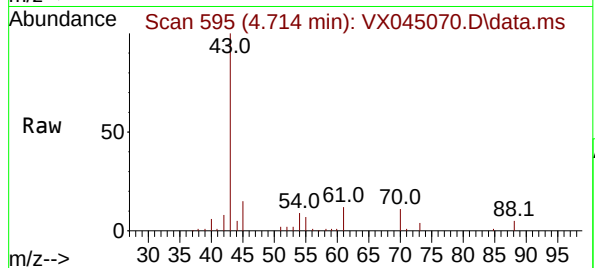
ClientSampleId :

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

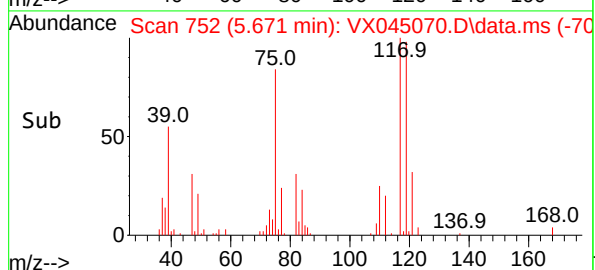
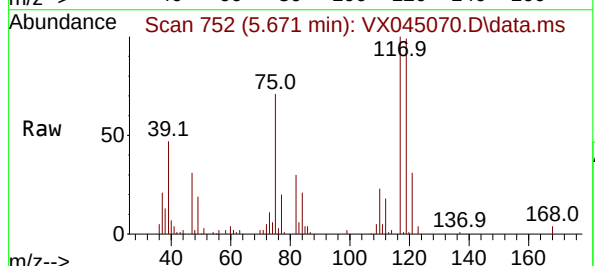
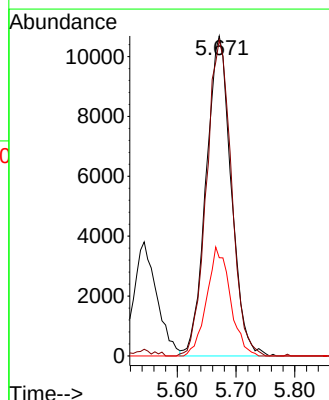
RT: 5.671 min Scan# 752

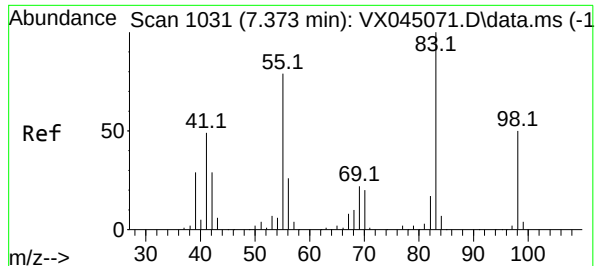
Delta R.T. -0.000 min

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 :

VSTDICC020

Tgt Ion: 83 Resp: 39769

Ion Ratio Lower Upper

83 100

55 74.6 63.0 94.4

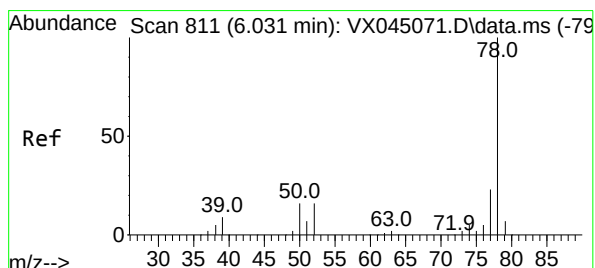
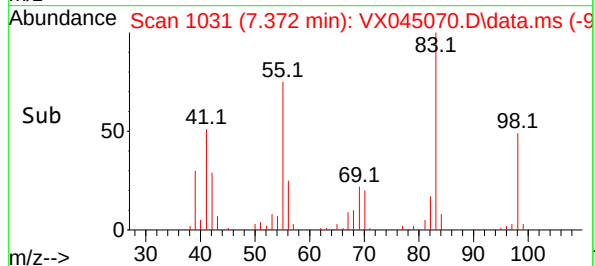
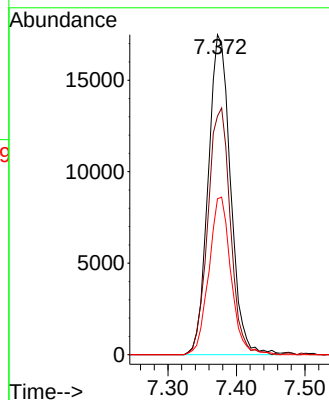
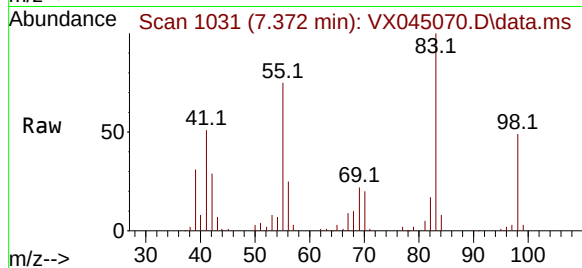
98 48.7 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 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

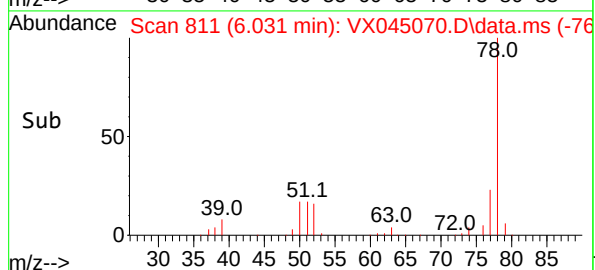
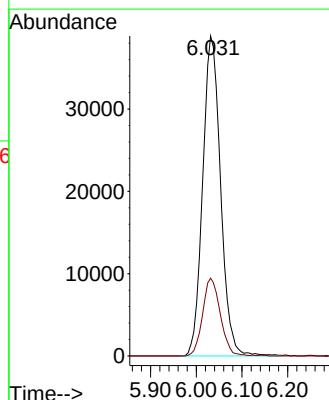
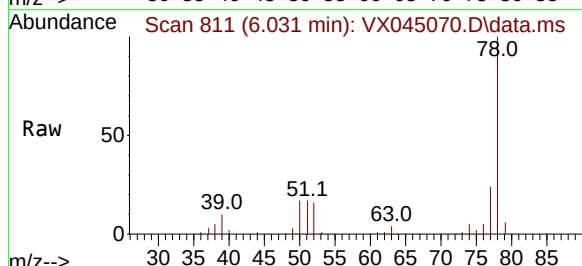
Acq: 28 Feb 2025 02:37

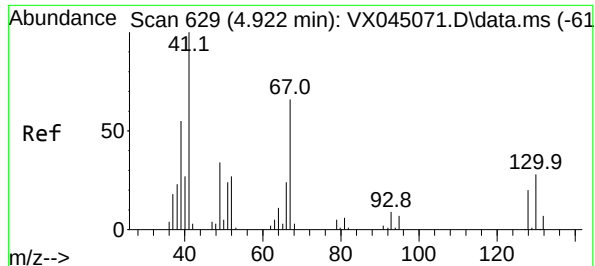
Tgt Ion: 78 Resp: 105787

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 :

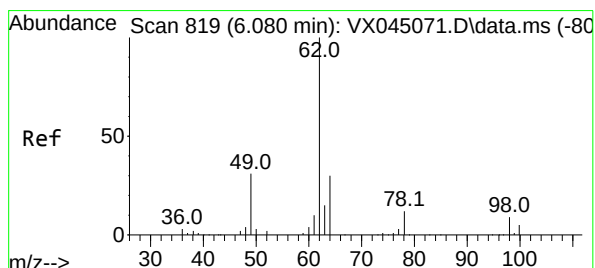
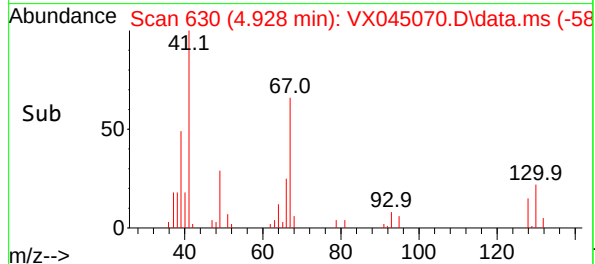
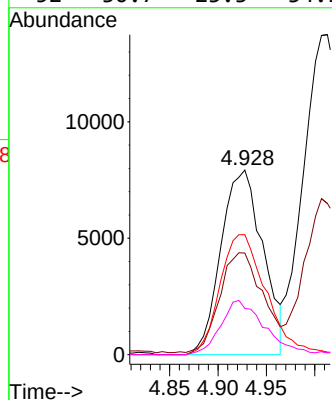
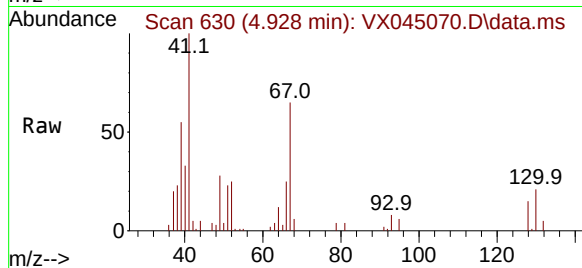
VSTDICC020

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

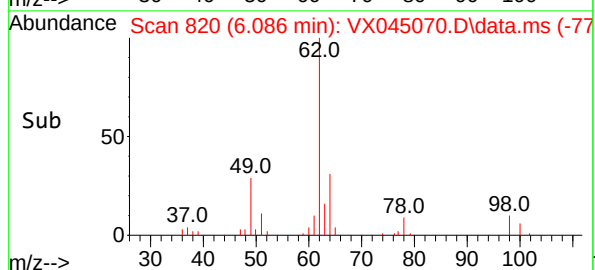
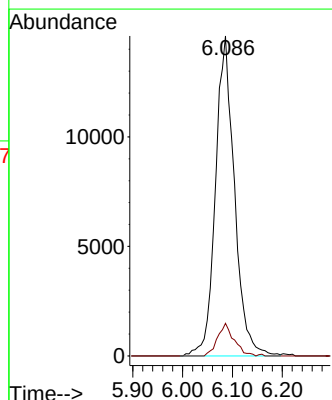
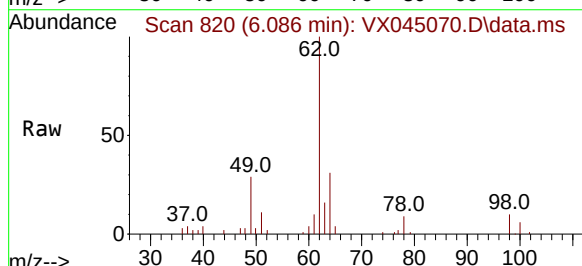
RT: 6.086 min Scan# 820

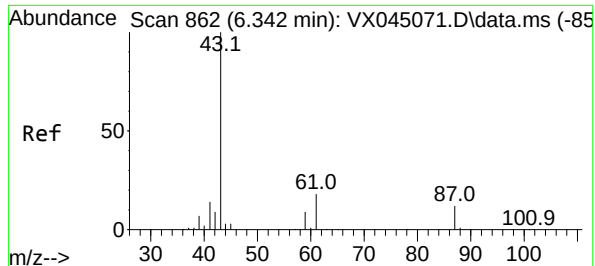
Delta R.T. 0.006 min

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 :

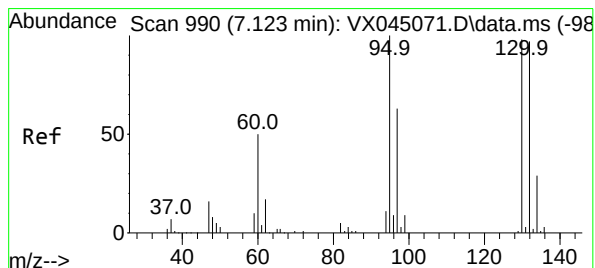
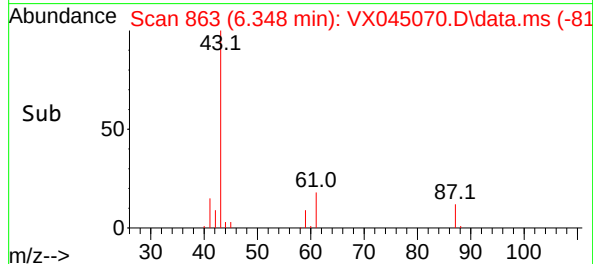
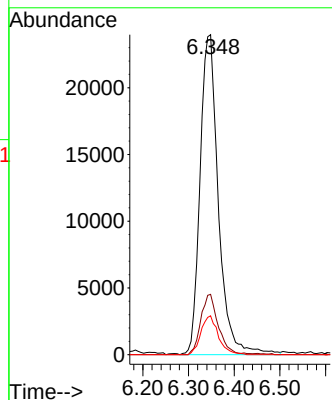
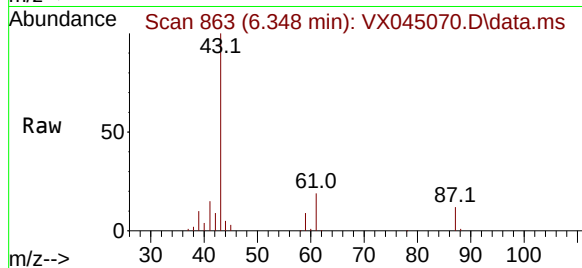
VSTDICC020

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

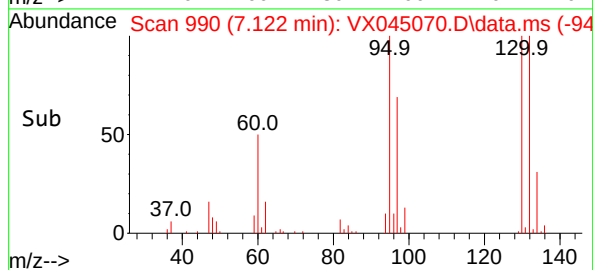
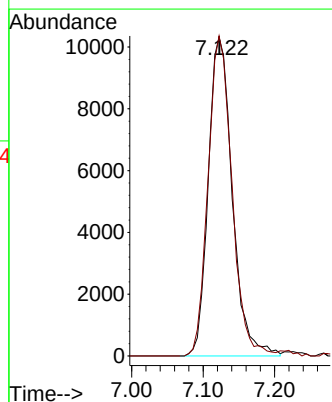
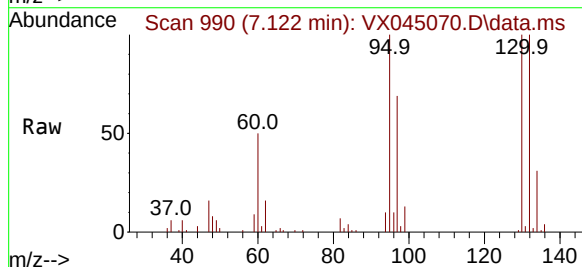
RT: 7.122 min Scan# 990

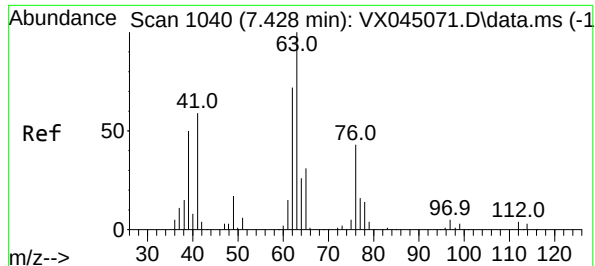
Delta R.T. -0.000 min

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

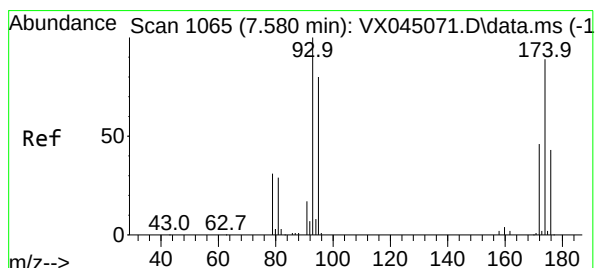
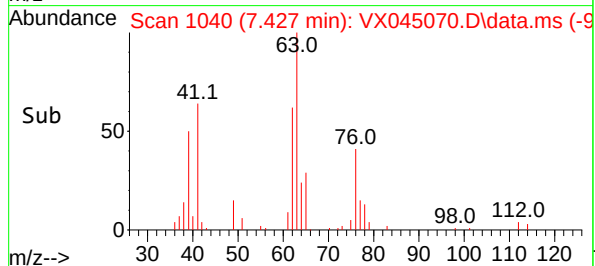
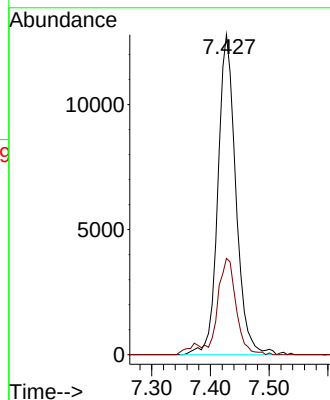
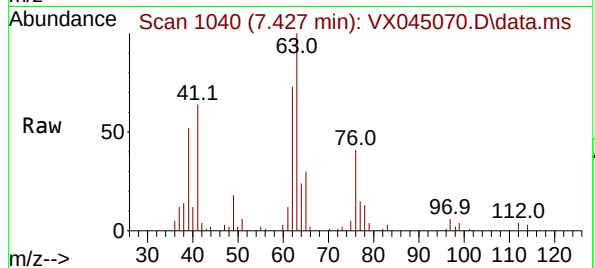
65 30.1 24.7 37.1

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

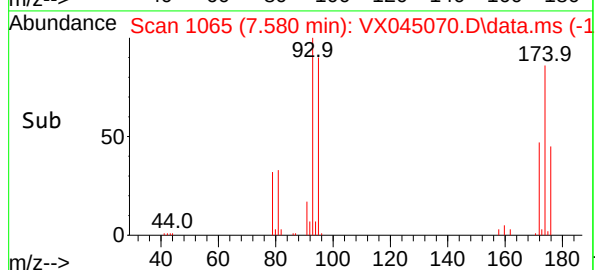
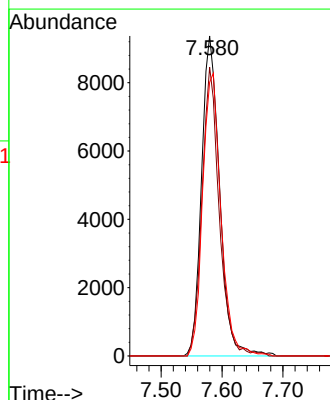
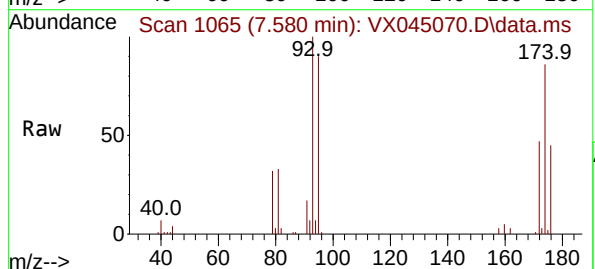
Tgt Ion: 93 Resp: 19323

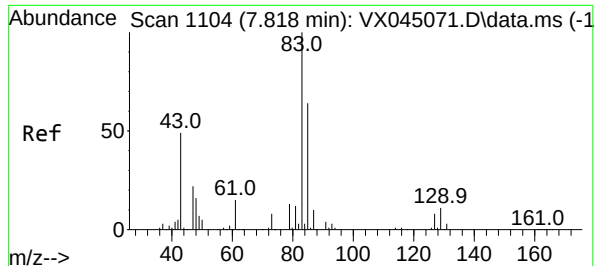
Ion Ratio Lower Upper

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 :

VSTDIC020

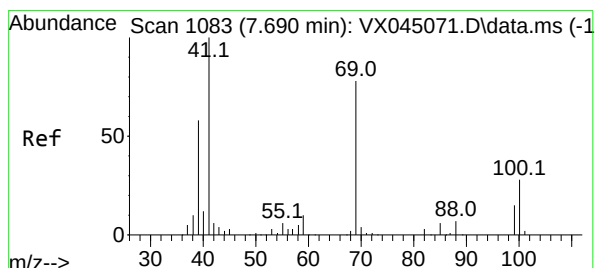
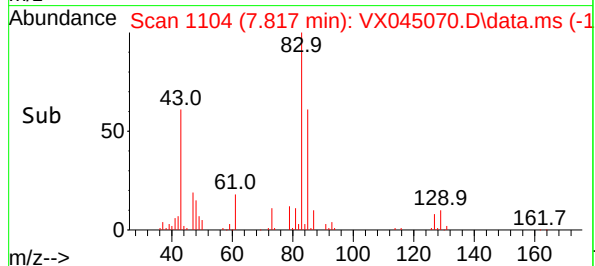
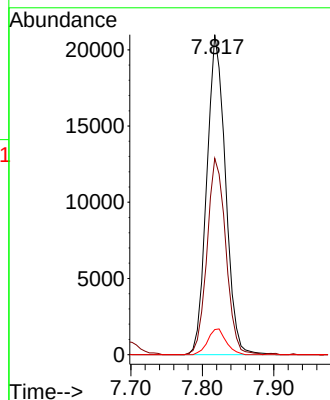
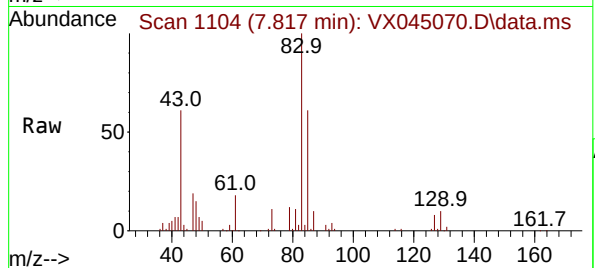
Tgt Ion:	83	Resp:	3803
Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.1	76.7
127	7.8	6.4	9.6

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

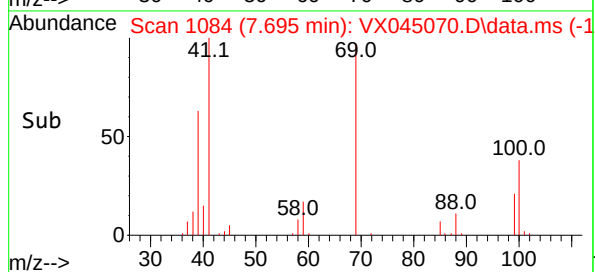
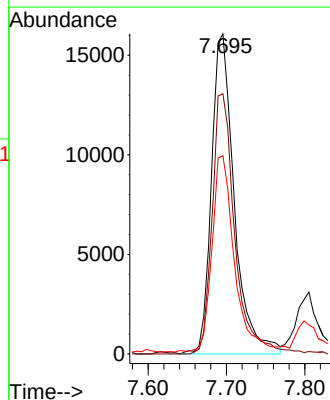
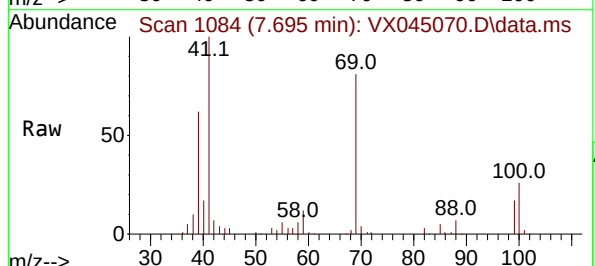
RT: 7.695 min Scan# 1084

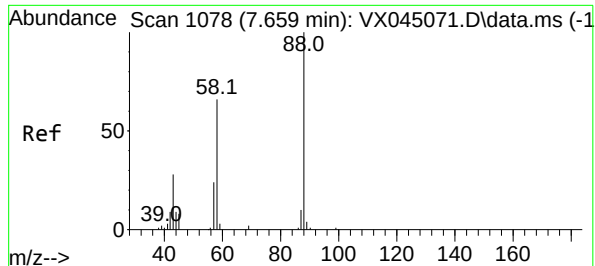
Delta R.T. 0.006 min

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 :

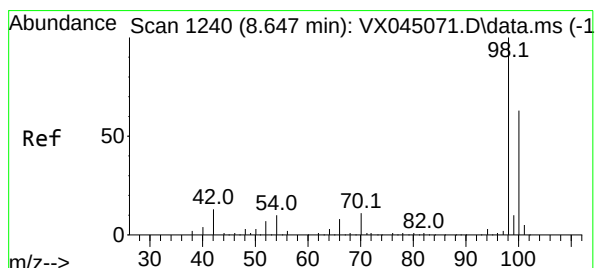
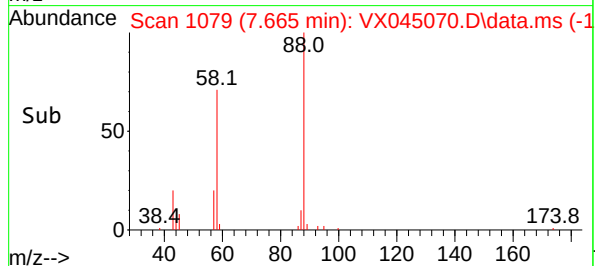
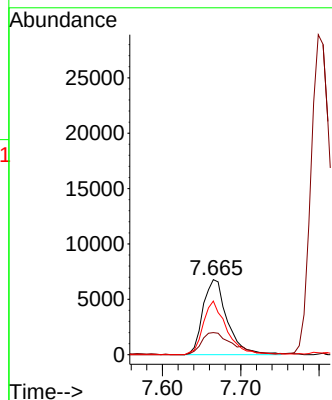
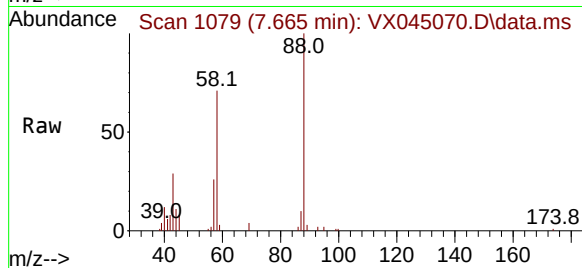
VSTDIC020

Tgt Ion:	88	Resp:	1460
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

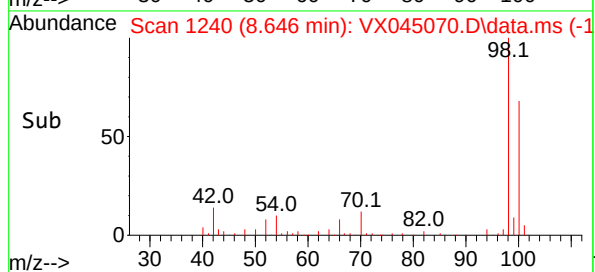
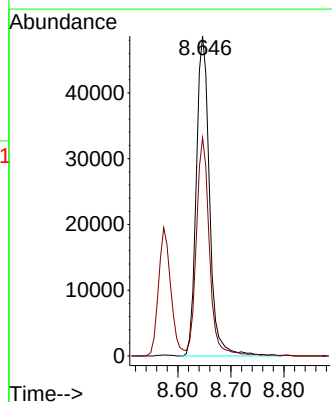
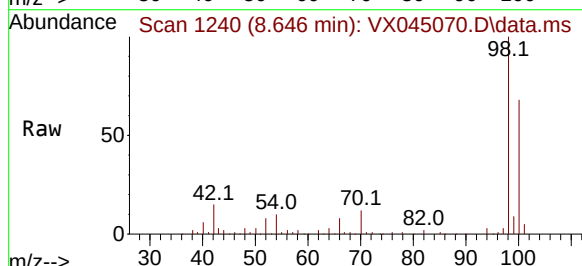
RT: 8.646 min Scan# 1240

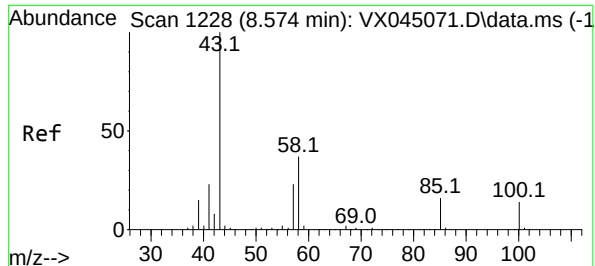
Delta R.T. -0.000 min

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





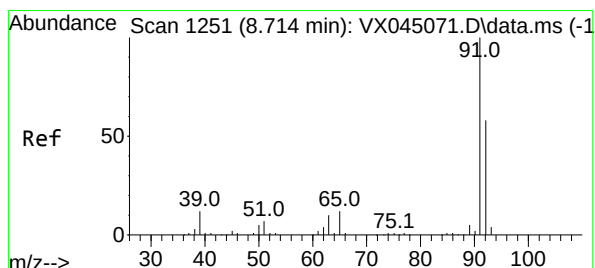
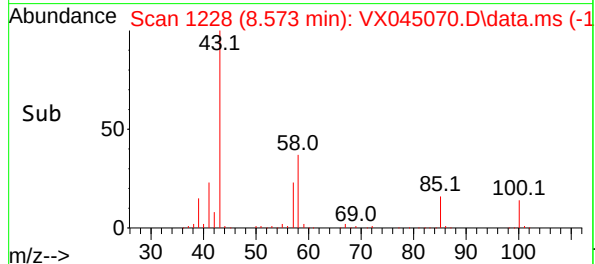
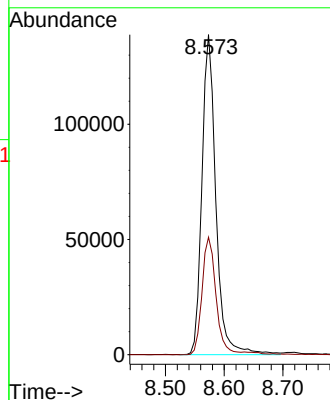
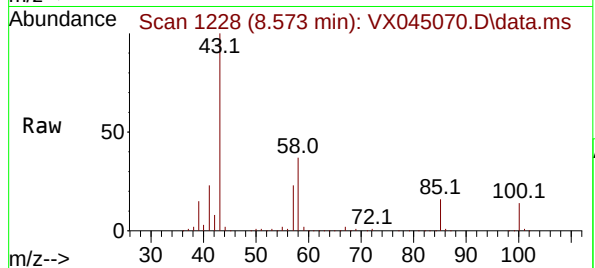
#51
4-Methyl-2-Pentanone
Concen: 124.081 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

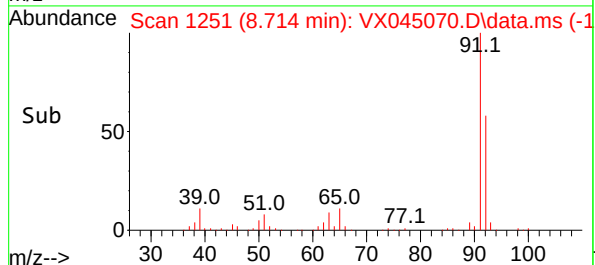
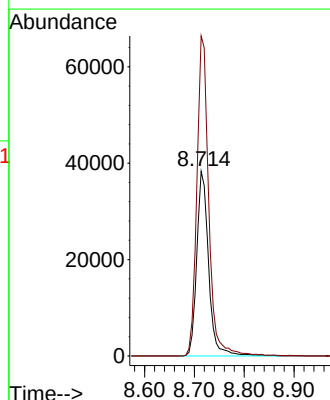
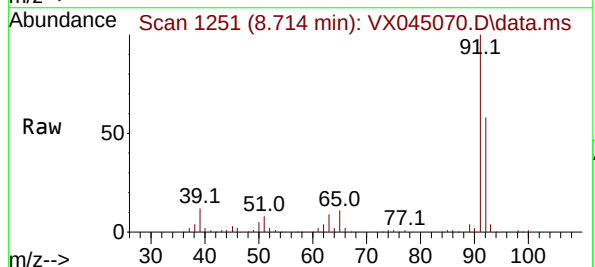
Manual Integrations
APPROVED

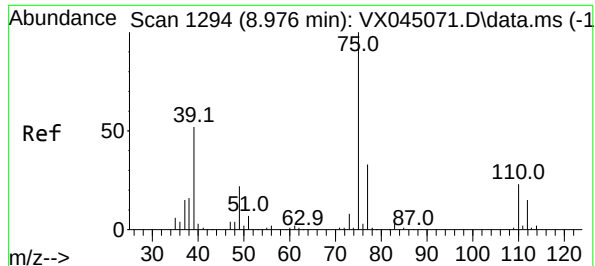
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

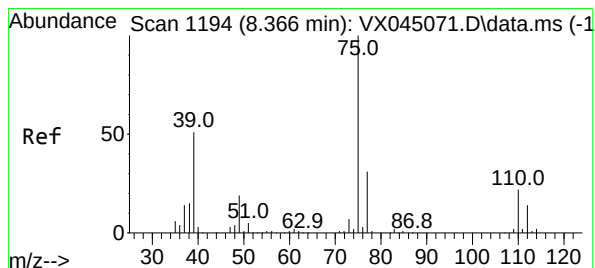
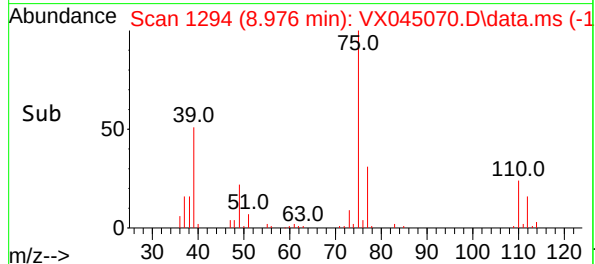
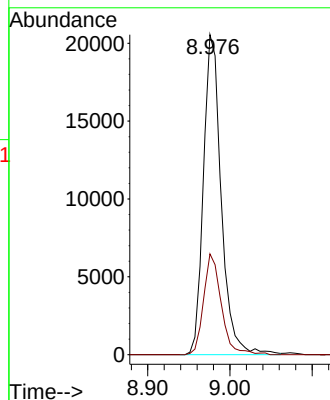
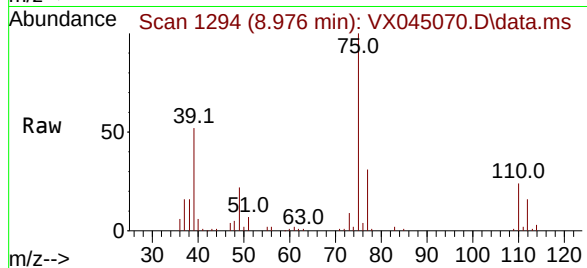
77 31.5 26.5 39.7

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

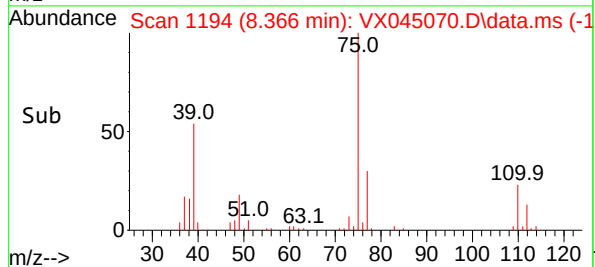
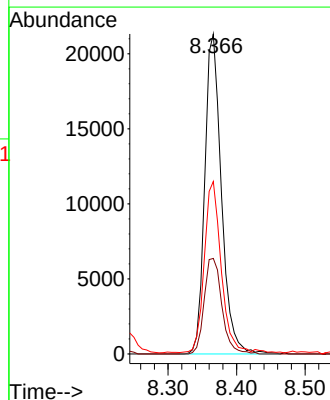
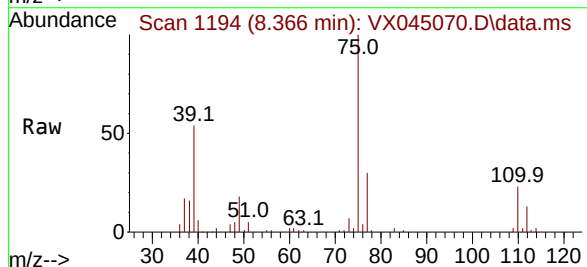
Tgt Ion: 75 Resp: 36118

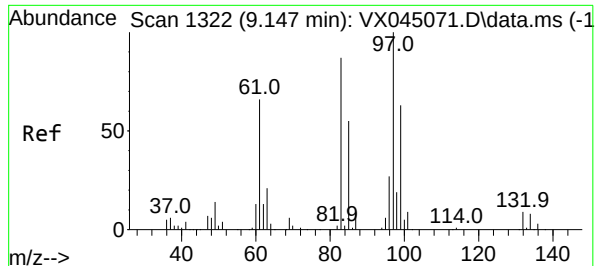
Ion Ratio Lower Upper

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

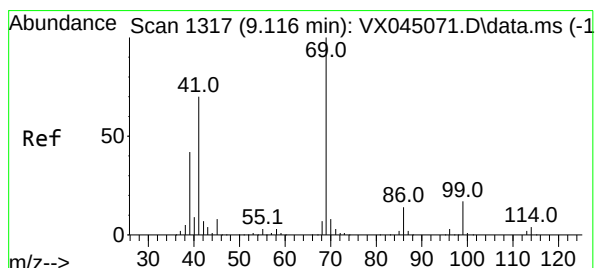
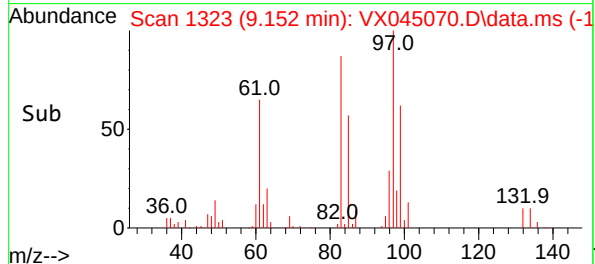
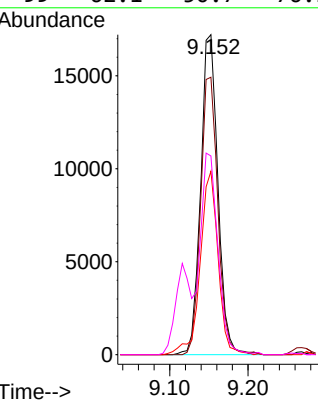
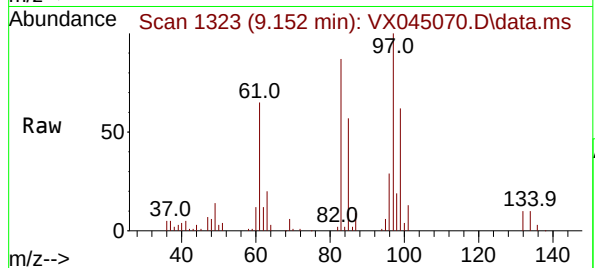
99 62.1 50.7 76.1

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

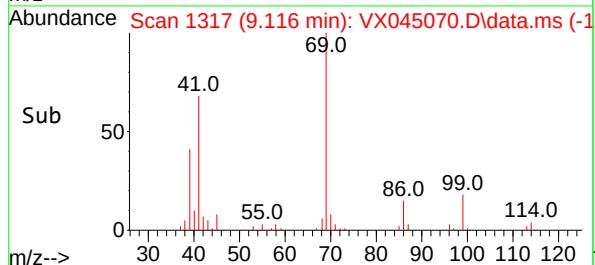
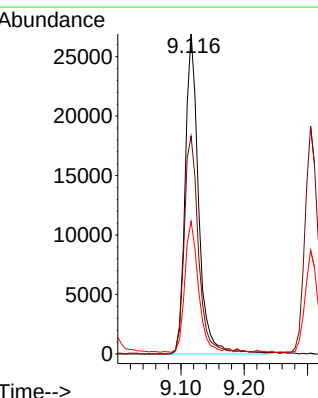
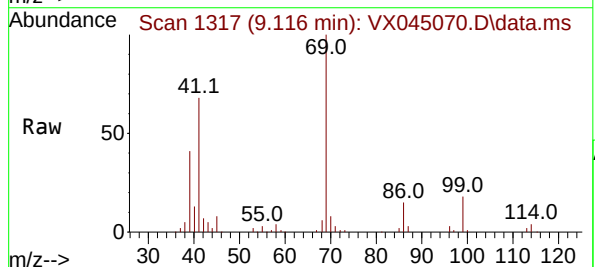
Tgt Ion: 69 Resp: 39850

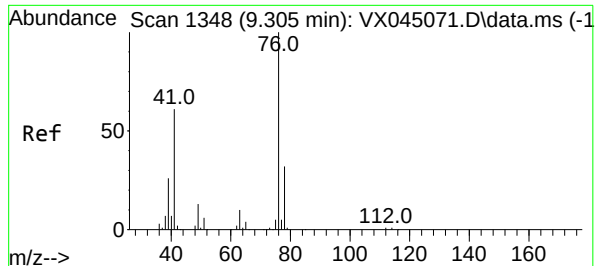
Ion Ratio Lower Upper

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# 1173

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

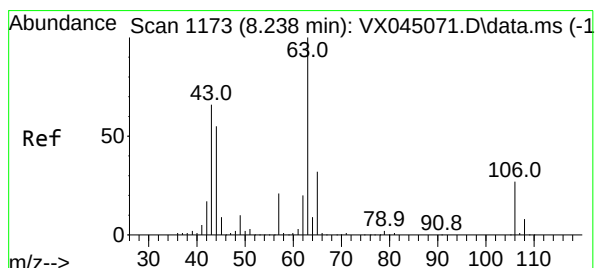
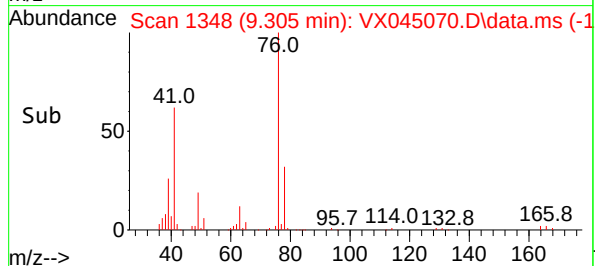
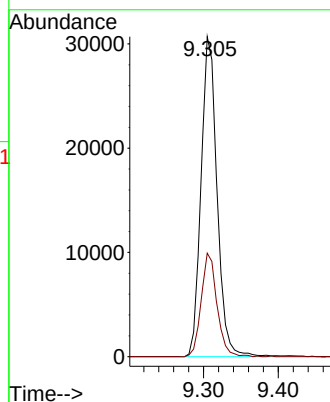
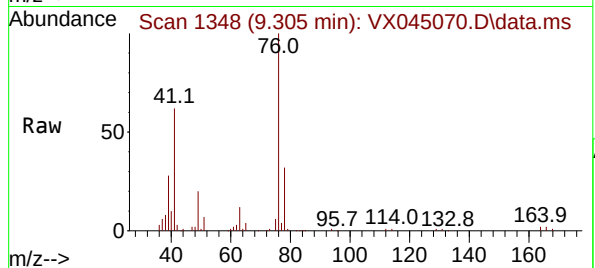
78 31.9 25.5 38.3

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

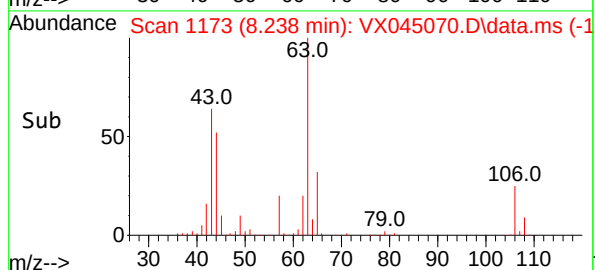
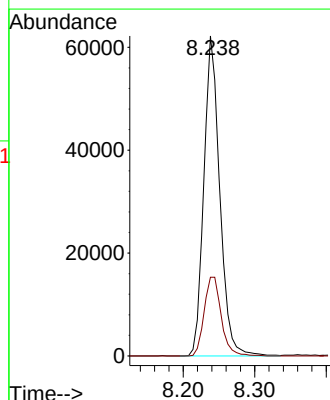
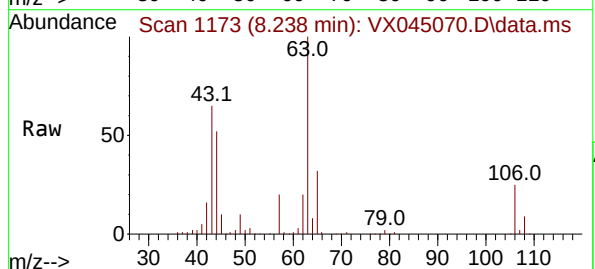
Acq: 28 Feb 2025 02:37

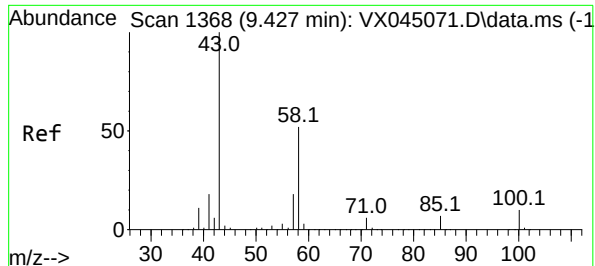
Tgt Ion: 63 Resp: 96311

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 :

VSTDICC020

Tgt Ion: 43 Resp: 168768

Ion Ratio Lower Upper

43 100

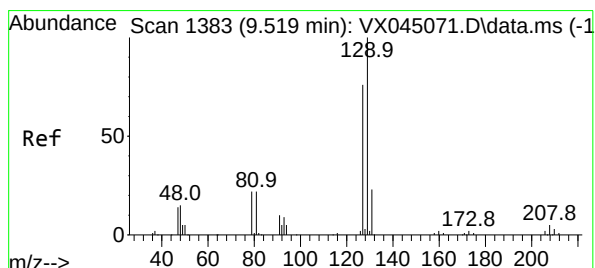
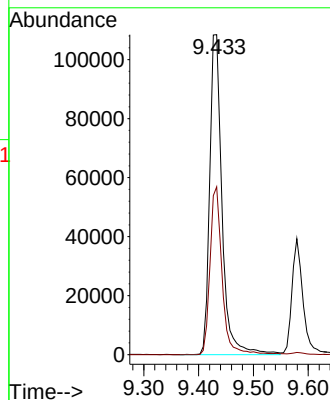
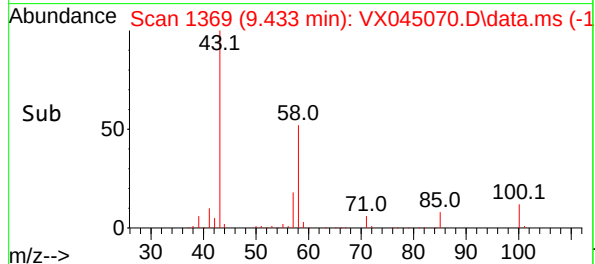
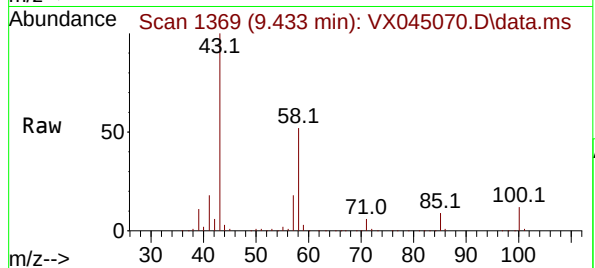
58 51.6 25.9 77.6

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

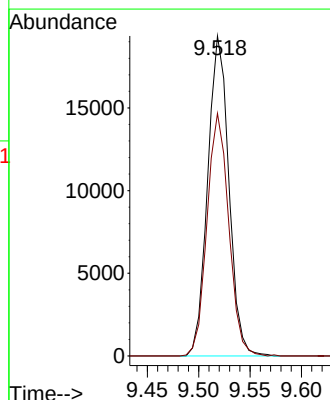
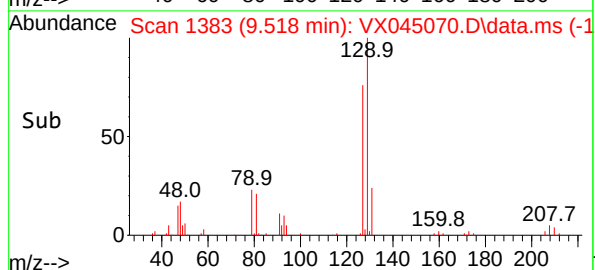
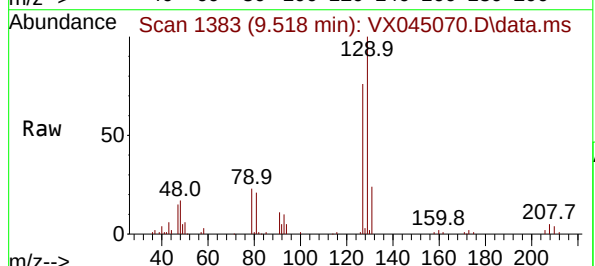
Acq: 28 Feb 2025 02:37

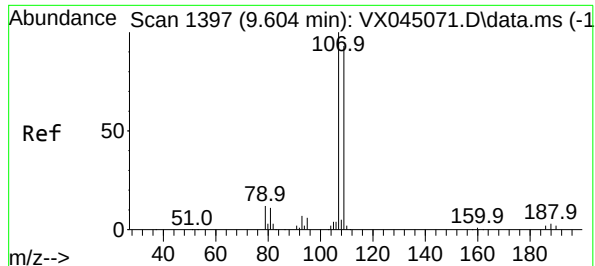
Tgt Ion:129 Resp: 27705

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 :

VSTDICC020

Tgt Ion:107 Resp: 2631

Ion Ratio Lower Upper

107 100

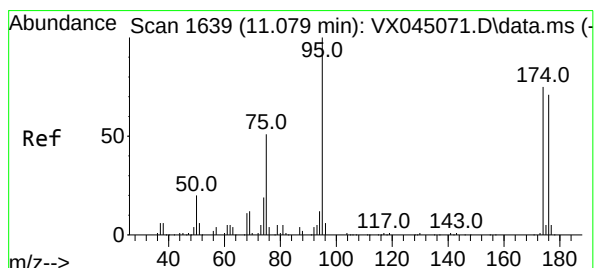
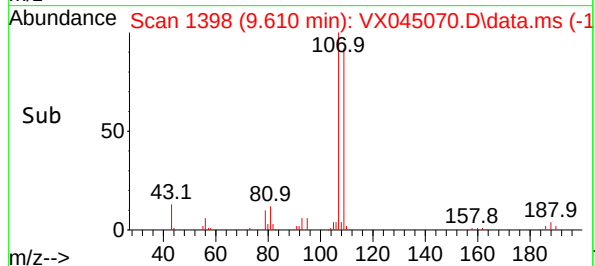
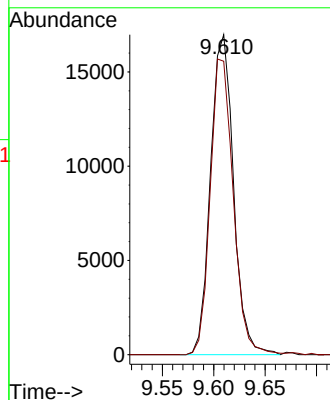
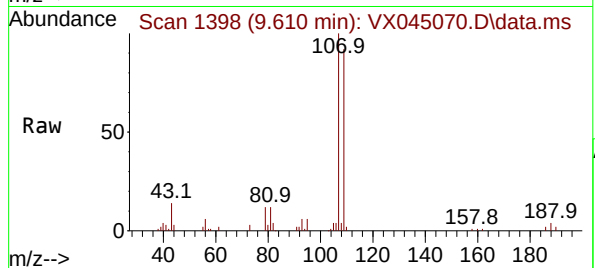
109 93.3 76.1 114.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#62

4-Bromofluorobenzene

Concen: 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

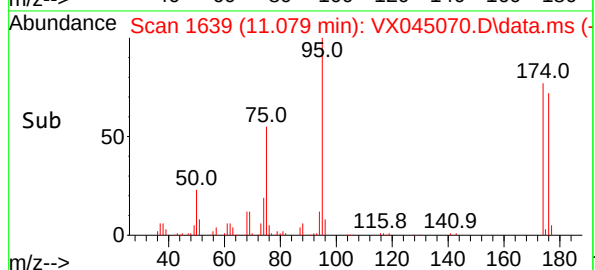
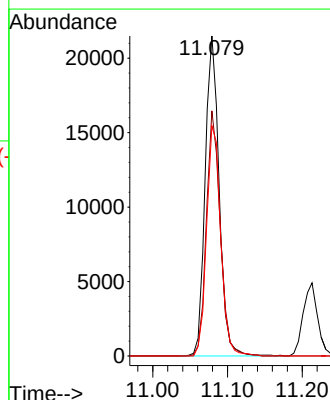
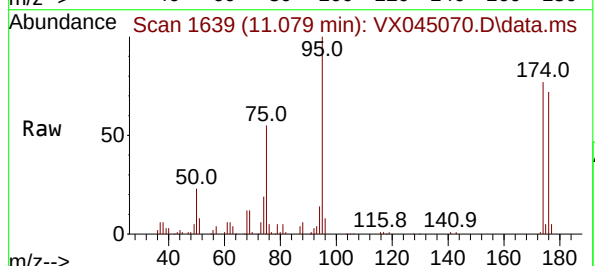
Tgt Ion: 95 Resp: 27856

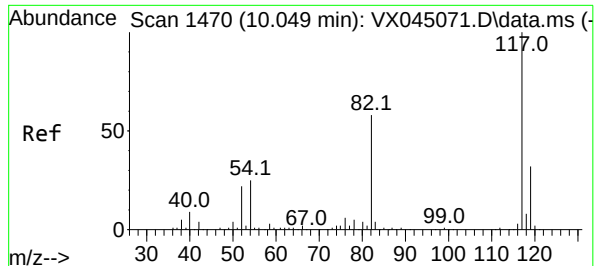
Ion Ratio Lower Upper

95 100

174 76.1 0.0 148.2

176 72.8 0.0 141.4





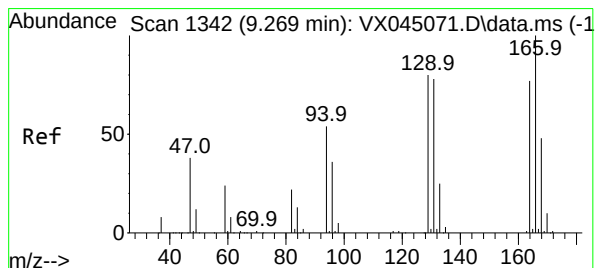
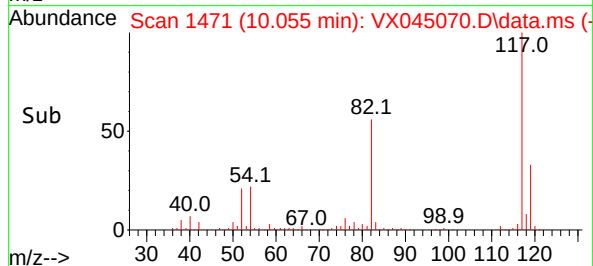
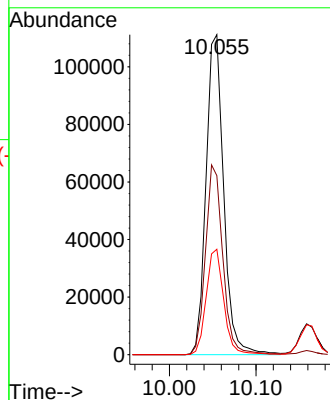
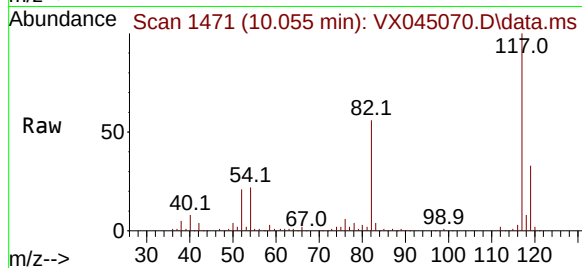
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

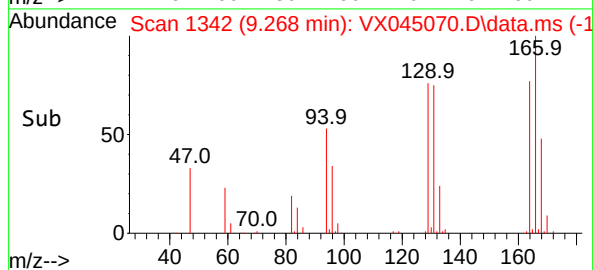
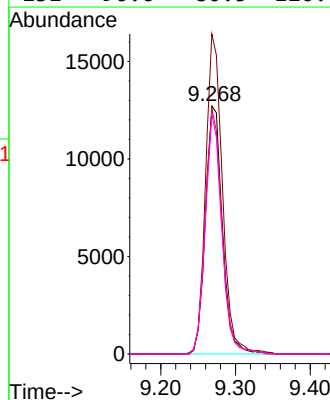
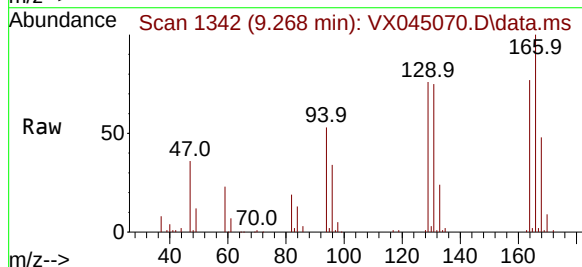
Manual Integrations
APPROVED

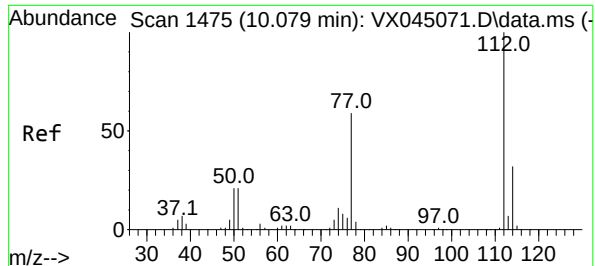
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

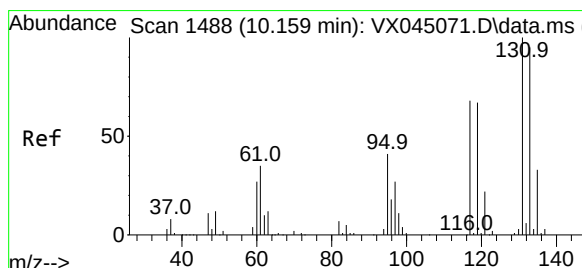
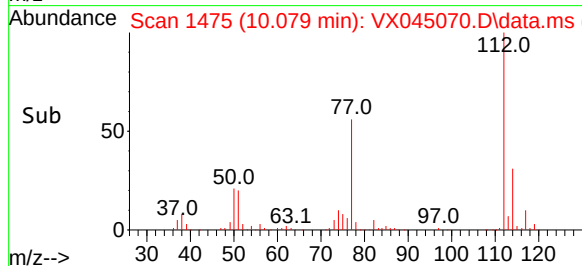
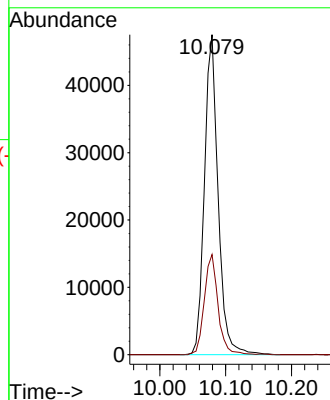
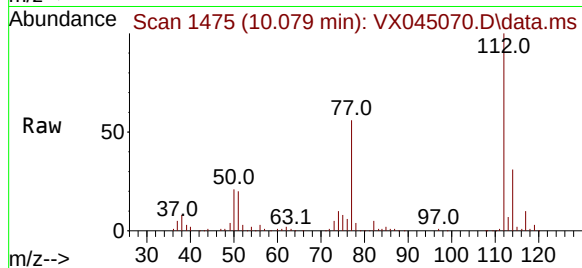
114 31.3 26.0 39.0

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

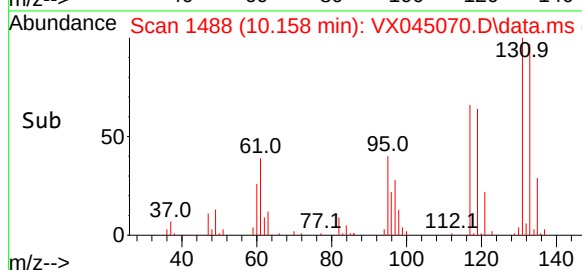
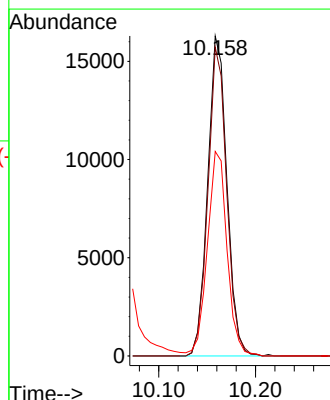
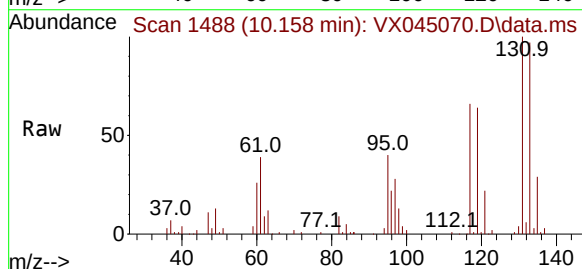
Tgt Ion:131 Resp: 22508

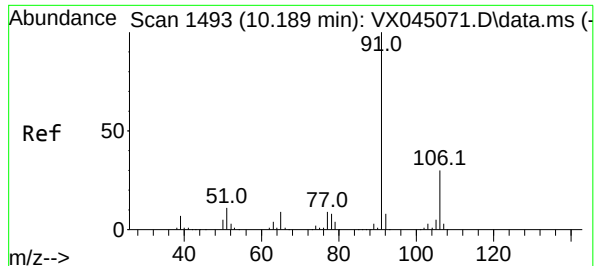
Ion Ratio Lower Upper

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 :

VSTDICC020

Tgt Ion: 91 Resp: 11916

Ion Ratio Lower Upper

91 100

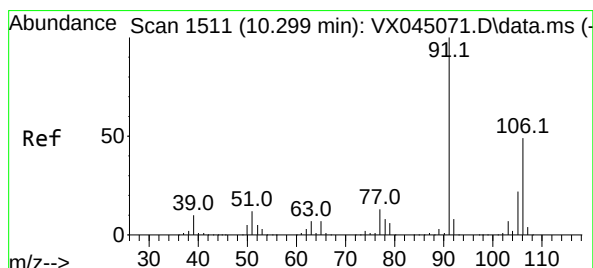
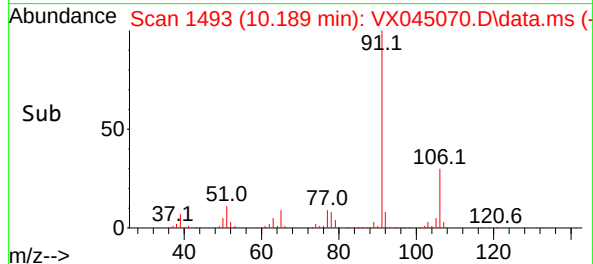
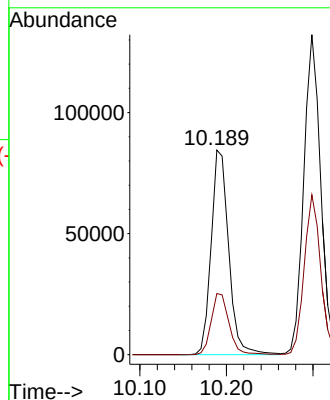
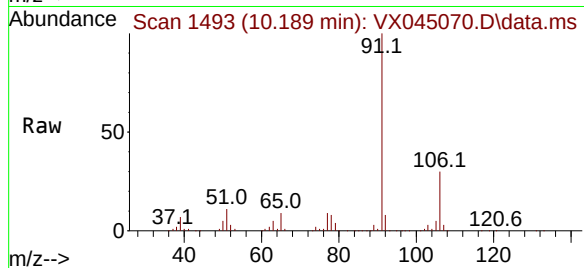
106 29.9 23.9 35.9

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

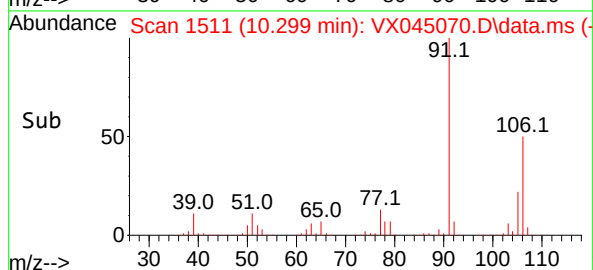
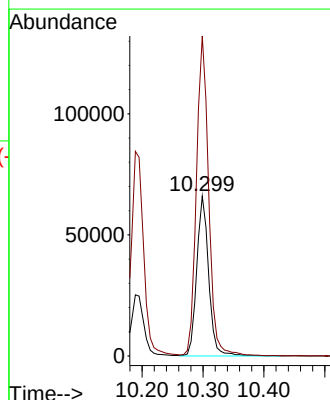
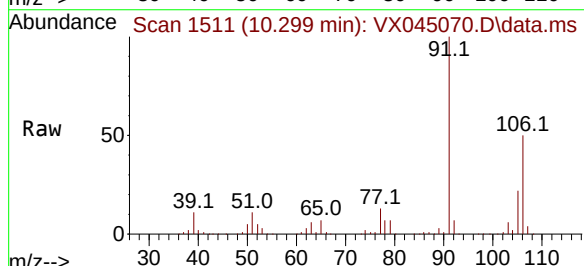
Acq: 28 Feb 2025 02:37

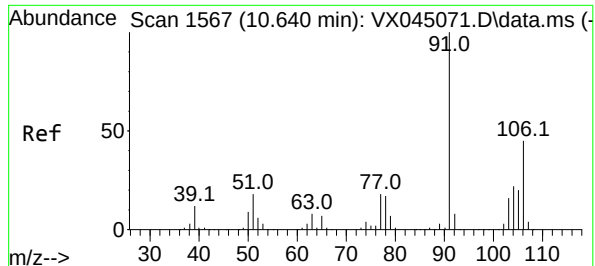
Tgt Ion:106 Resp: 89735

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 :

VSTDIC020

Tgt Ion:106 Resp: 4428

Ion Ratio Lower Upper

106 100

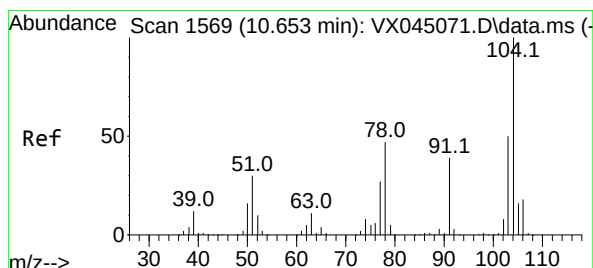
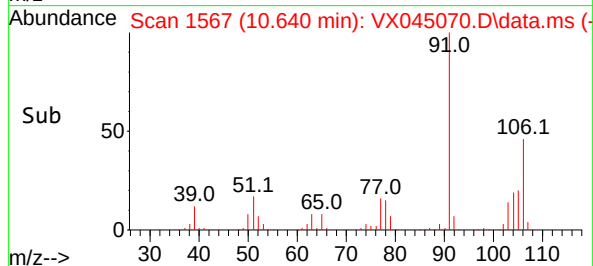
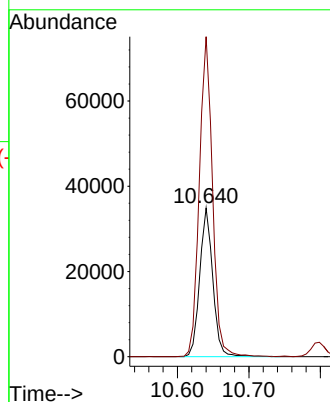
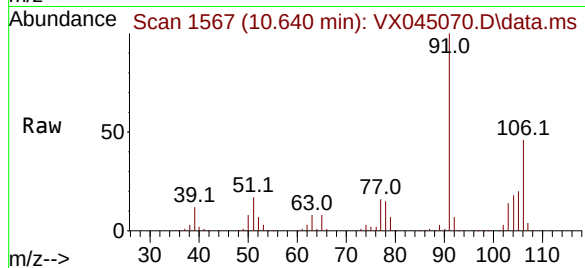
91 216.8 109.9 329.6

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

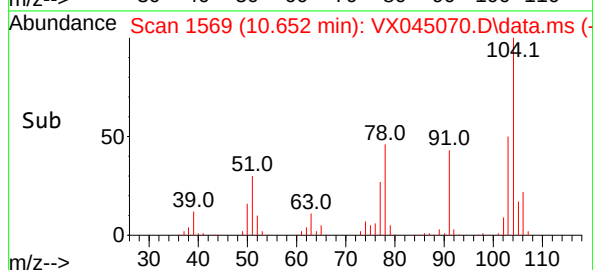
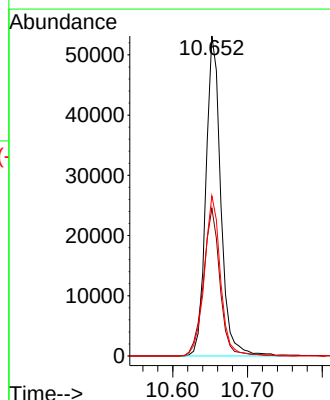
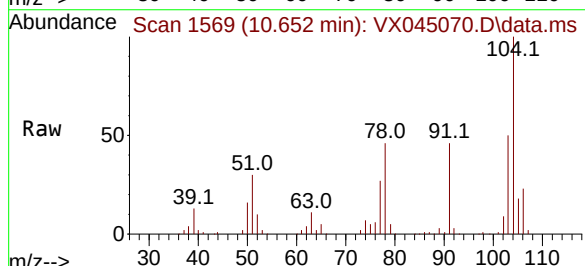
Tgt Ion:104 Resp: 73832

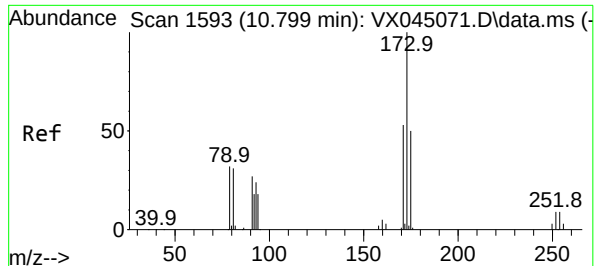
Ion Ratio Lower Upper

104 100

78 50.9 42.2 63.4

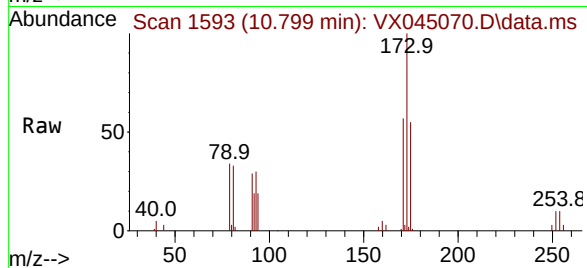
103 54.1 43.8 65.8





#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

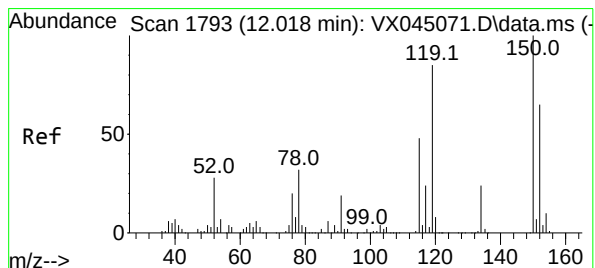
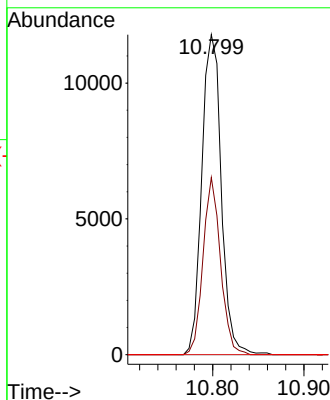
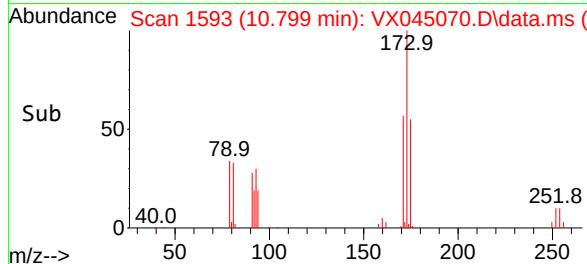
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



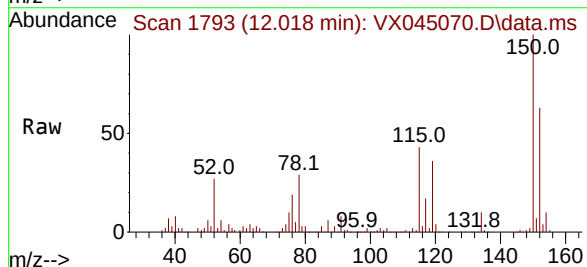
Tgt Ion:173 Resp: 1740
Ion Ratio Lower Upper
173 100
175 49.7 24.6 73.6
254 0.0 0.0 0.0

Manual Integrations
APPROVED

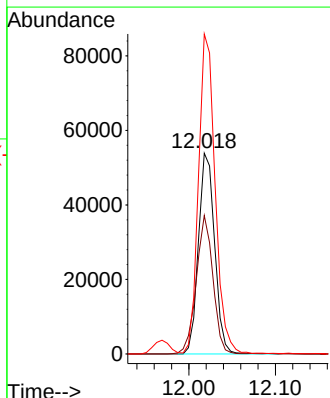
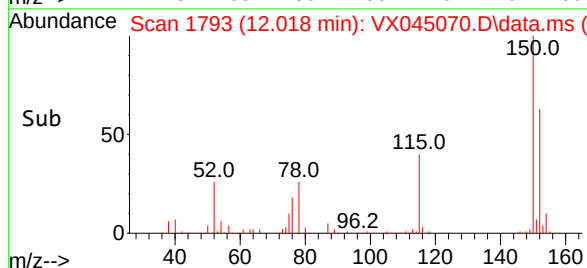
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

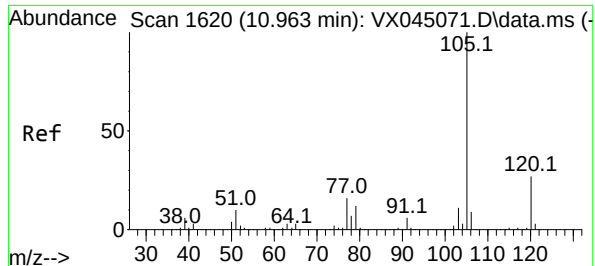


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37



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





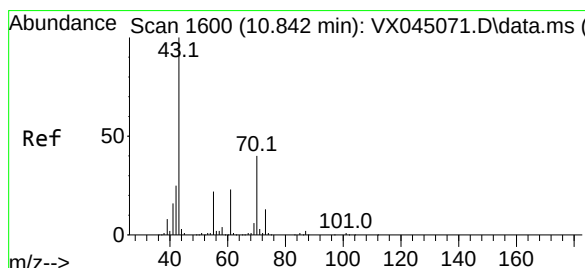
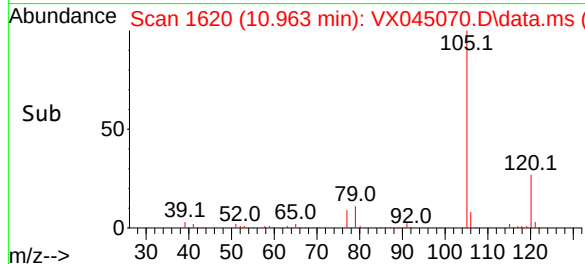
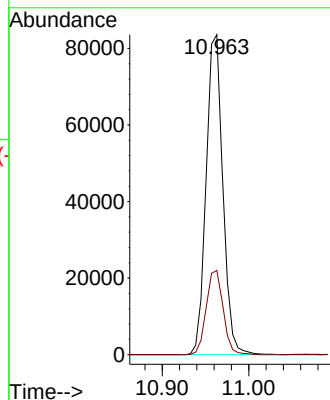
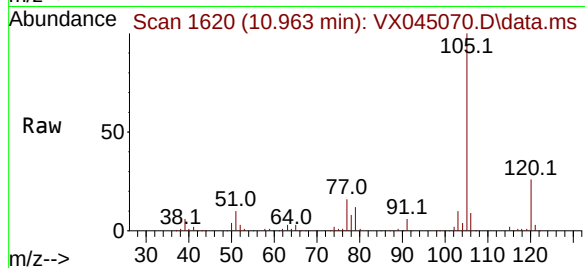
#73
Isopropylbenzene
Concen: 19.794 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

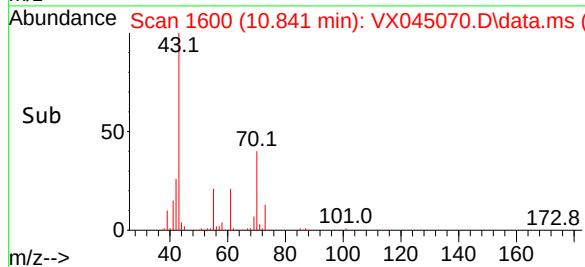
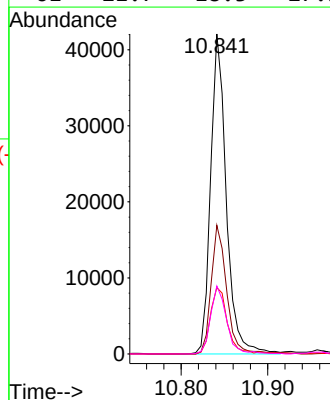
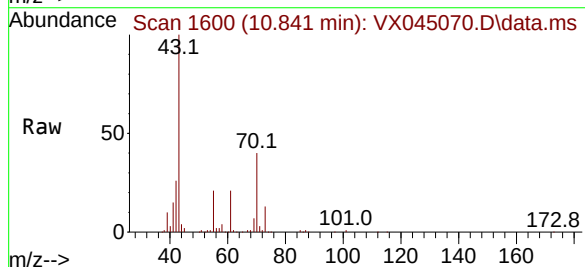
Manual Integrations
APPROVED

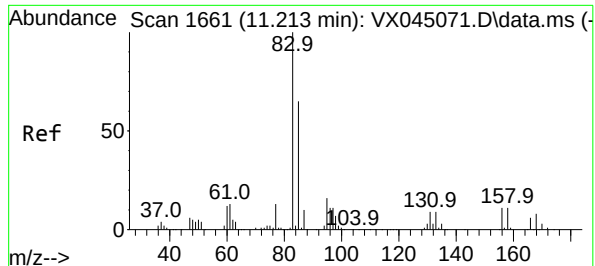
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

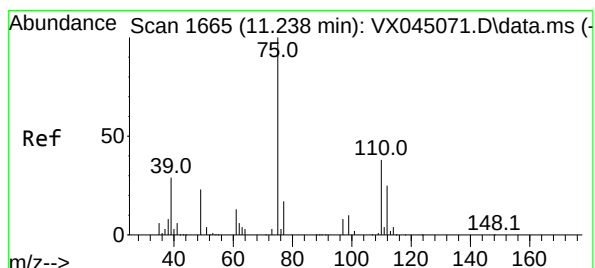
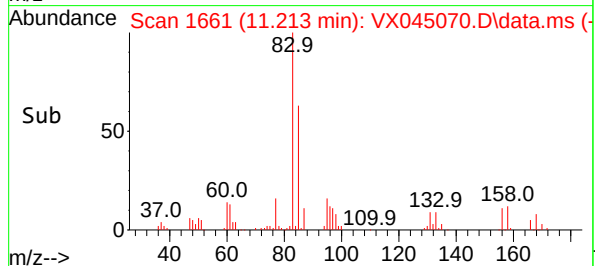
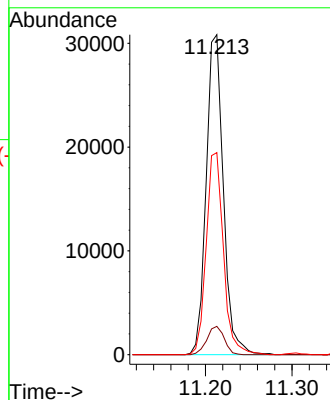
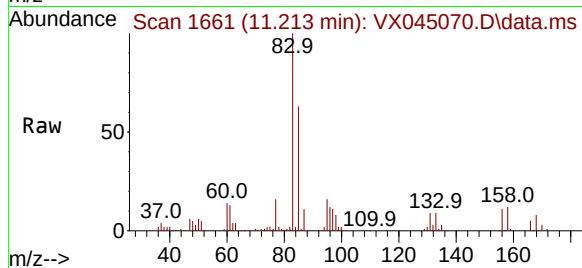
Tgt Ion:	83	Resp:	4241
Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.4
85	63.4	31.7	95.1

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

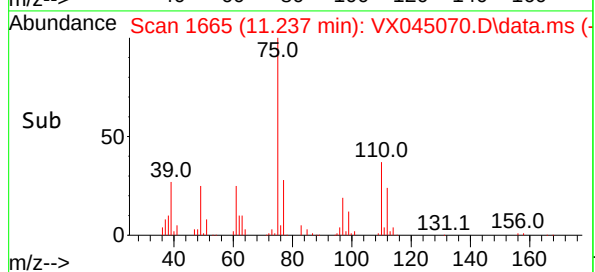
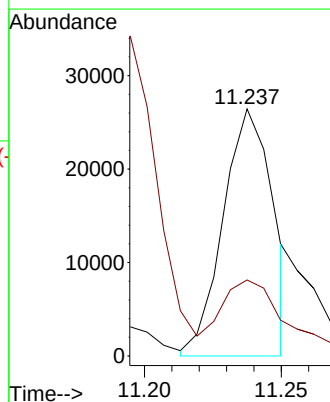
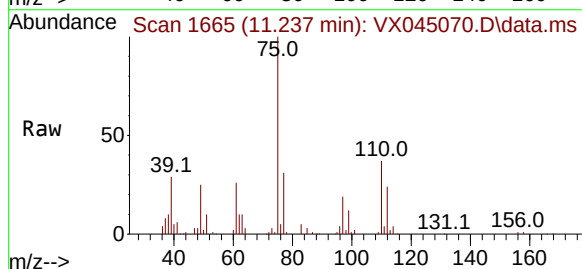
RT: 11.237 min Scan# 1665

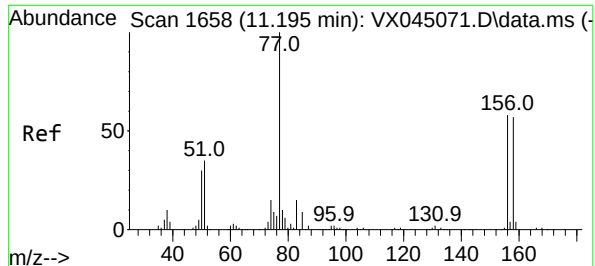
Delta R.T. -0.000 min

Lab File: VX045070.D

Acq: 28 Feb 2025 02:37

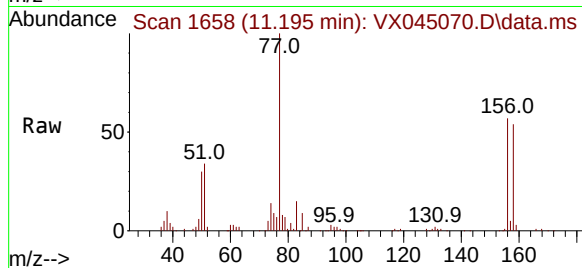
Tgt Ion:	75	Resp:	33440
Ion	Ratio	Lower	Upper
75	100		
77	40.6	20.7	62.1





#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

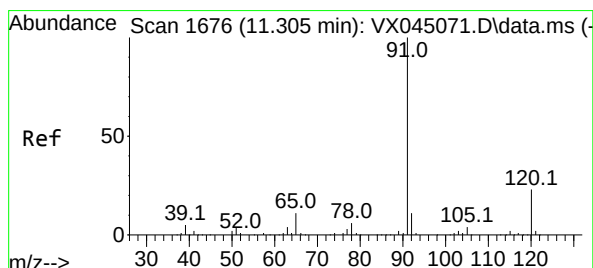
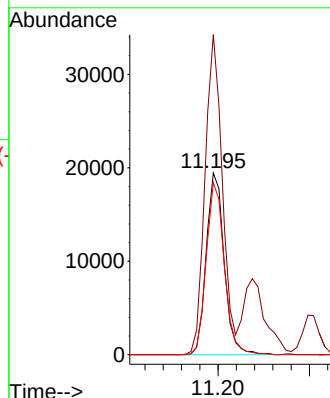
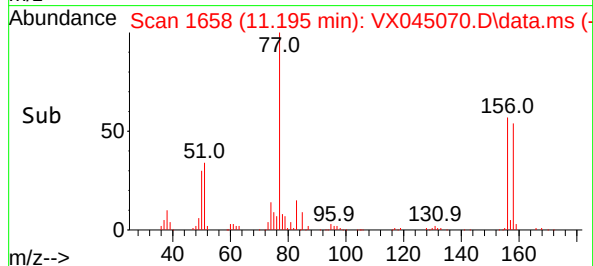
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



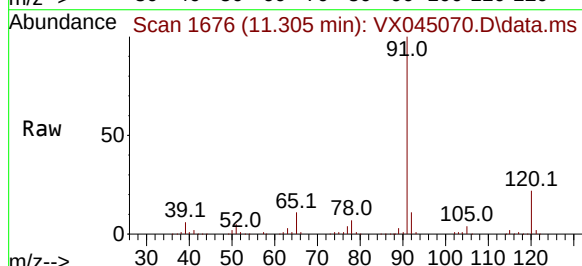
Tgt Ion: 156 Resp: 26310
Ion Ratio Lower Upper
156 100
77 170.2 85.8 257.4
158 95.9 48.4 145.2

Manual Integrations
APPROVED

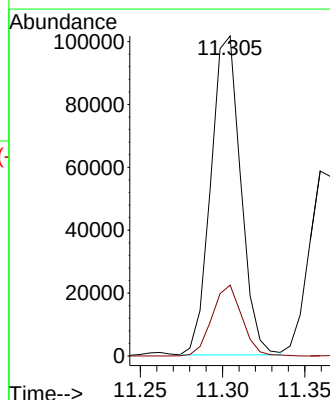
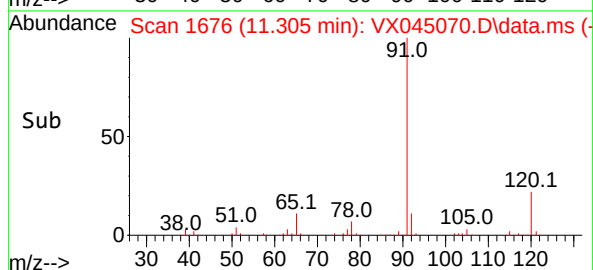
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

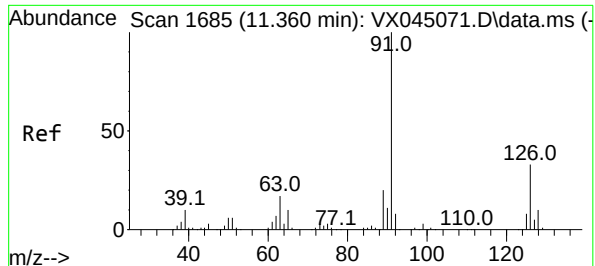


#78
n-propylbenzene
Concen: 19.641 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37



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 :

VSTDIC020

Tgt Ion: 91 Resp: 79275

Ion Ratio Lower Upper

91 100

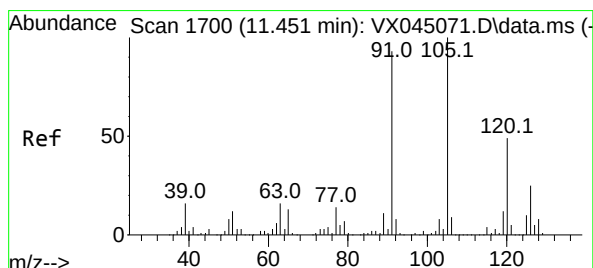
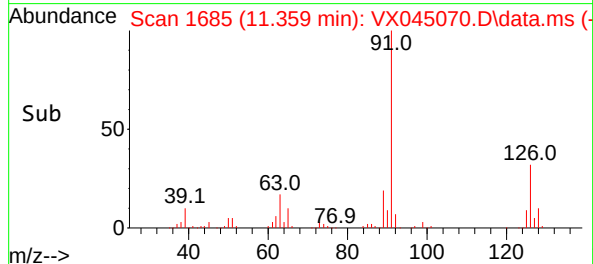
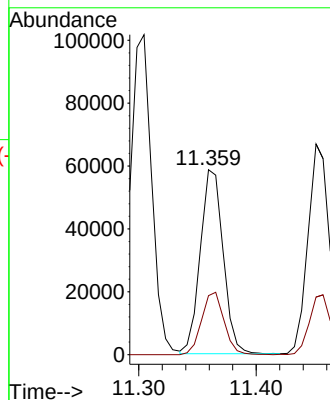
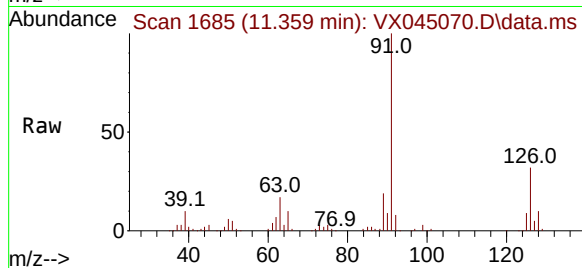
126 33.1 16.4 49.4

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

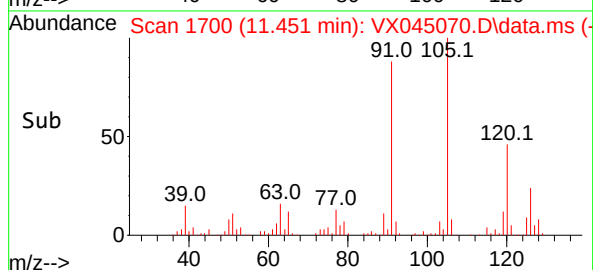
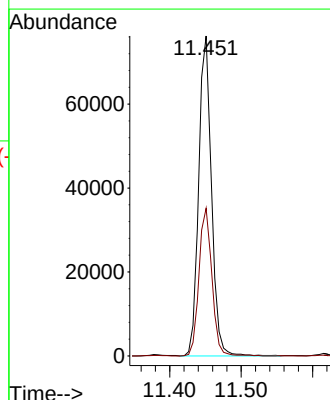
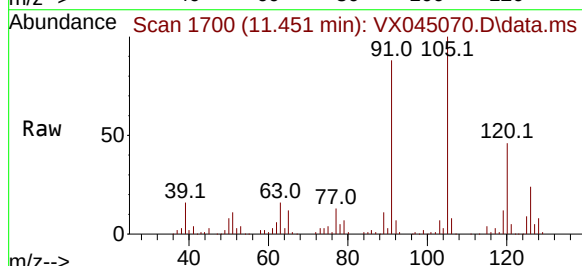
Acq: 28 Feb 2025 02:37

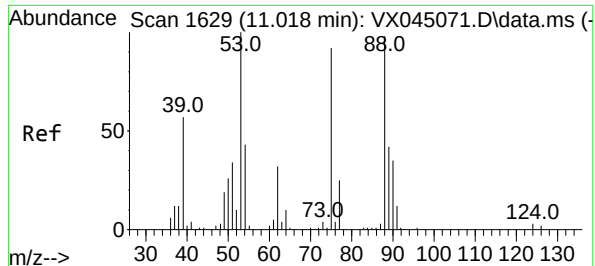
Tgt Ion:105 Resp: 94545

Ion Ratio Lower Upper

105 100

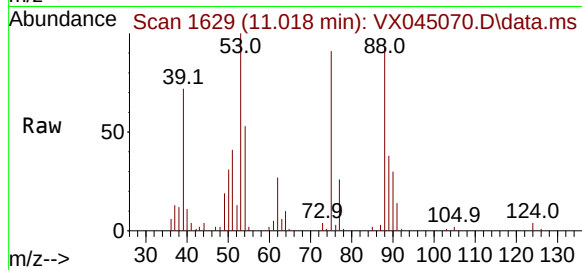
120 46.8 24.1 72.2





#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

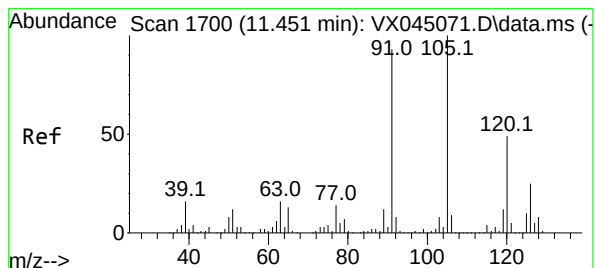
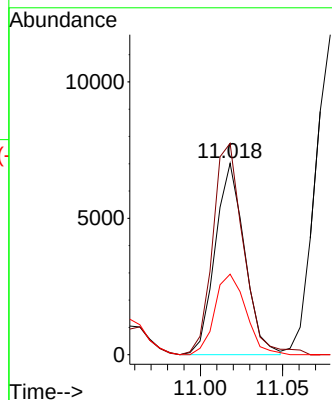
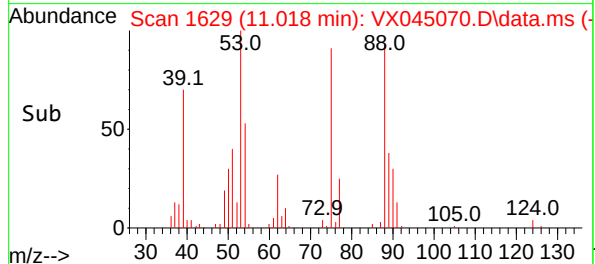
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020



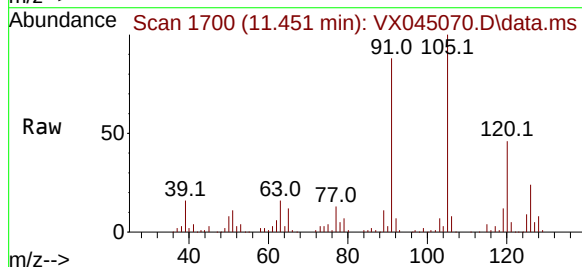
Tgt Ion: 75 Resp: 8759
Ion Ratio Lower Upper
75 100
53 115.4 88.5 132.7
89 44.3 36.2 54.4

Manual Integrations
APPROVED

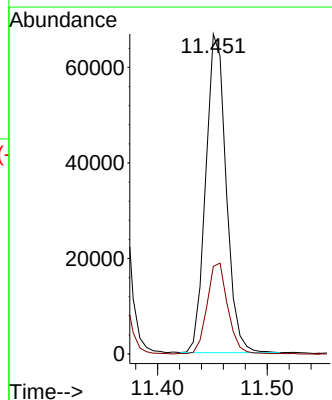
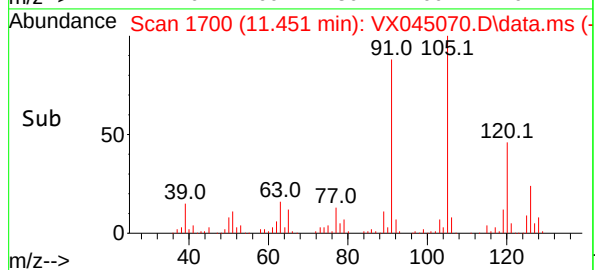
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

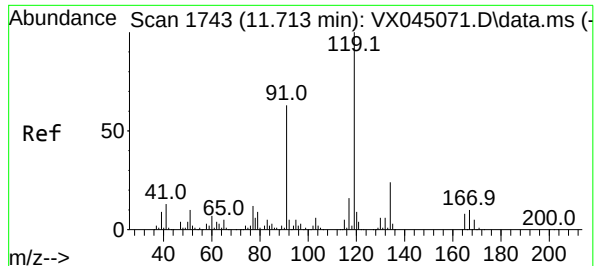


#82
4-Chlorotoluene
Concen: 19.443 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37



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 :

VSTDIC020

Tgt Ion:119 Resp: 93670

Ion Ratio Lower Upper

119 100

91 60.0 30.7 92.1

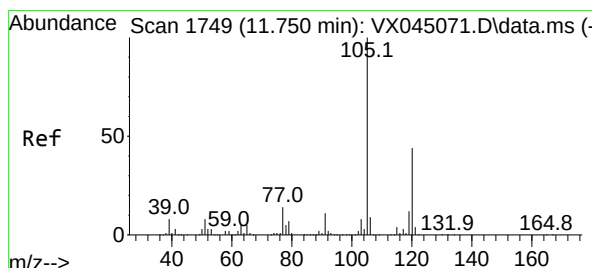
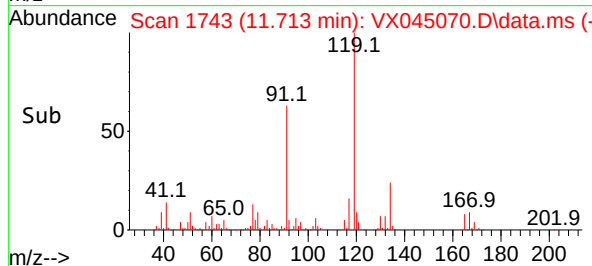
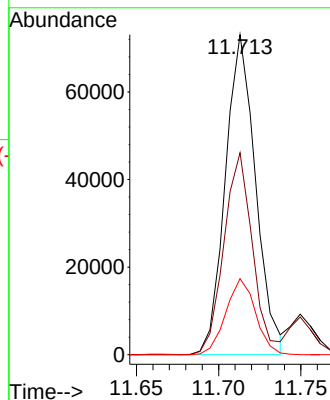
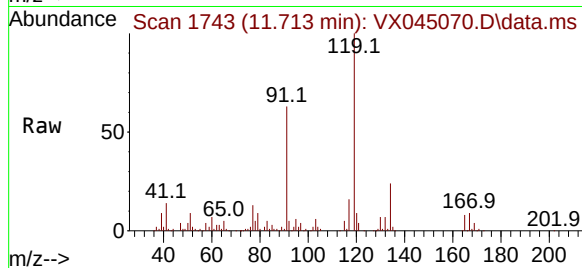
134 23.4 11.7 35.0

Manual Integrations

APPROVED

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

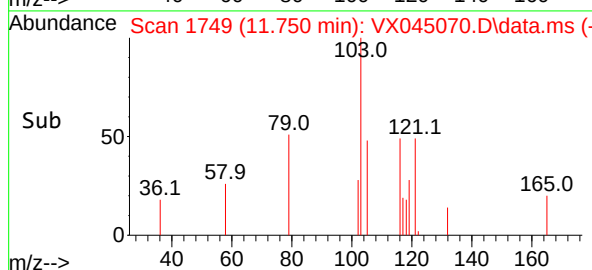
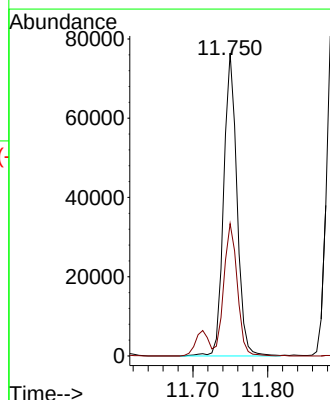
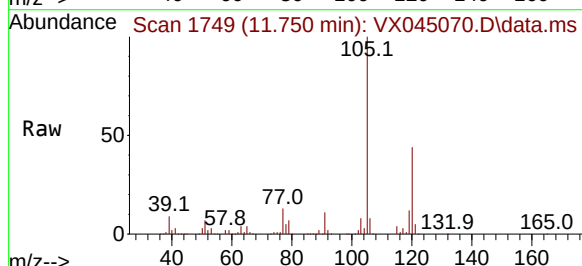
Acq: 28 Feb 2025 02:37

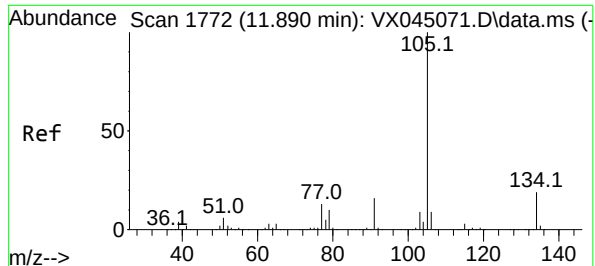
Tgt Ion:105 Resp: 94734

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 :

VSTDIC020

Tgt Ion:105 Resp: 11595

Ion Ratio Lower Upper

105 100

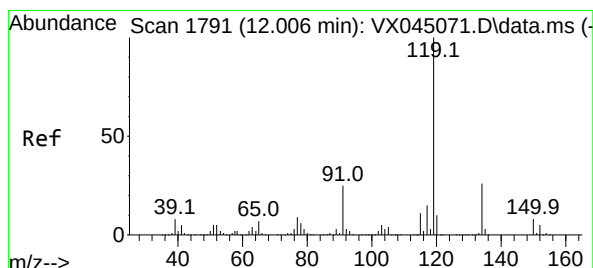
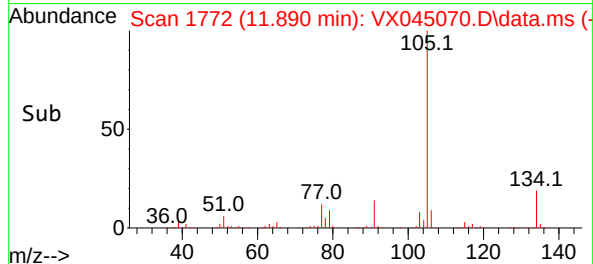
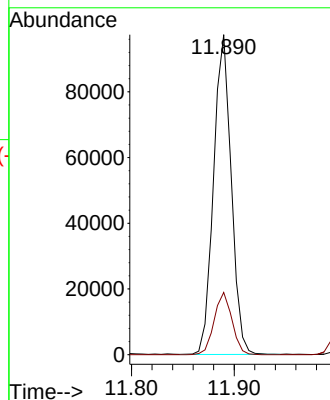
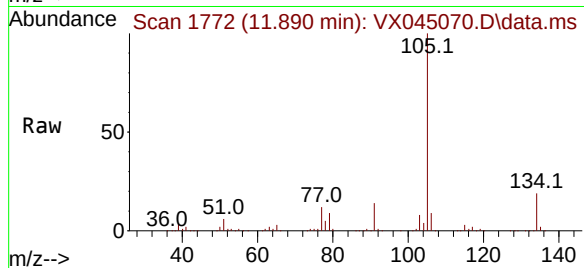
134 19.6 9.8 29.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#86

p-Isopropyltoluene

Concen: 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

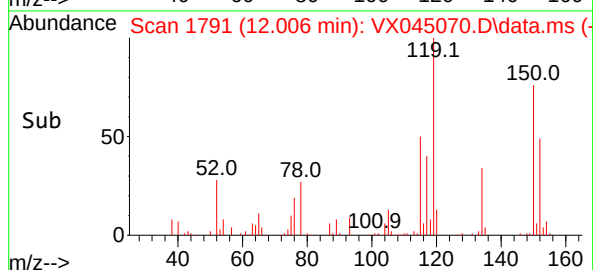
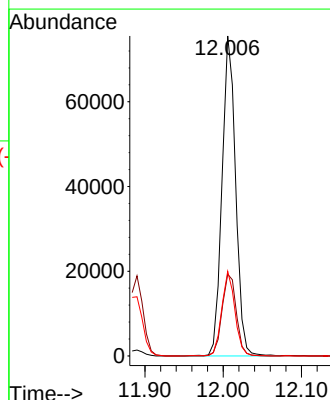
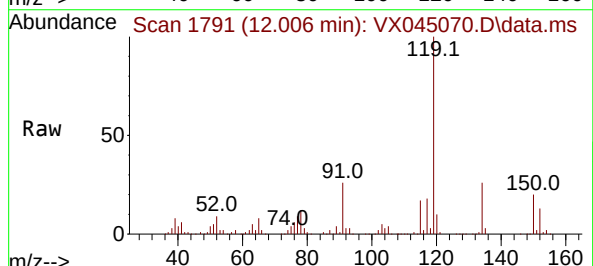
Tgt Ion:119 Resp: 91554

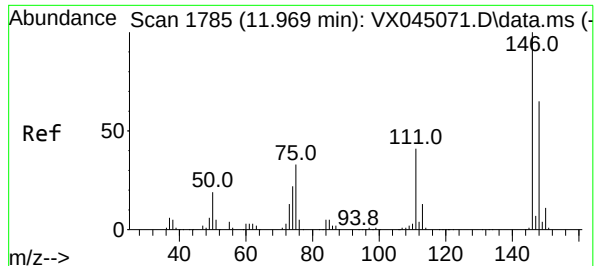
Ion Ratio Lower Upper

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 :

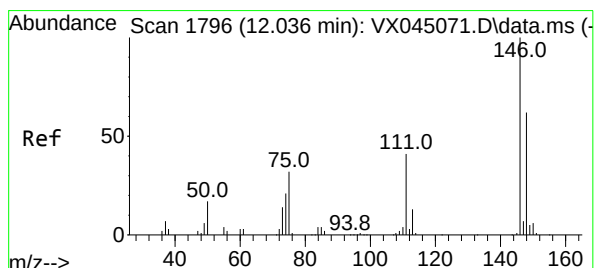
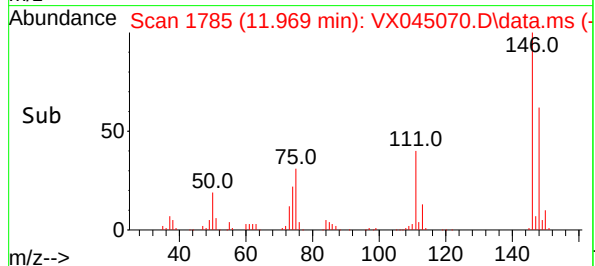
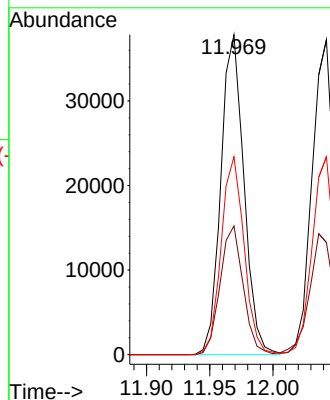
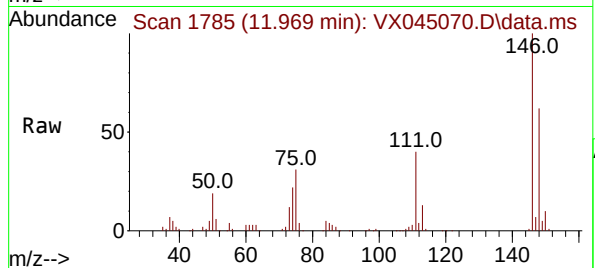
VSTDIC020

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
APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#88

1,4-Dichlorobenzene

Concen: 19.615 ug/l

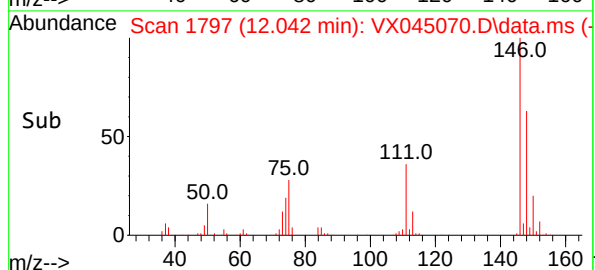
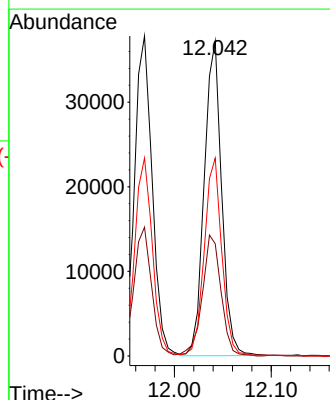
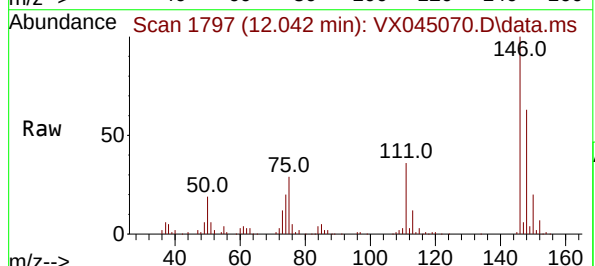
RT: 12.042 min Scan# 1797

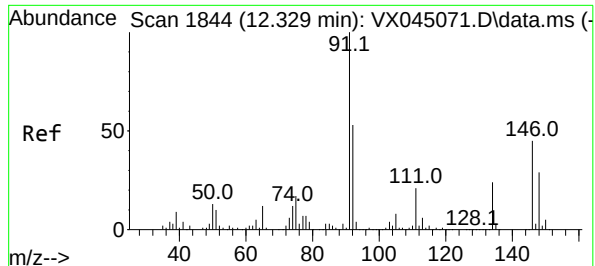
Delta R.T. 0.006 min

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 :

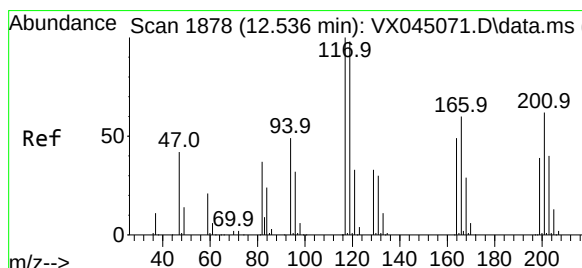
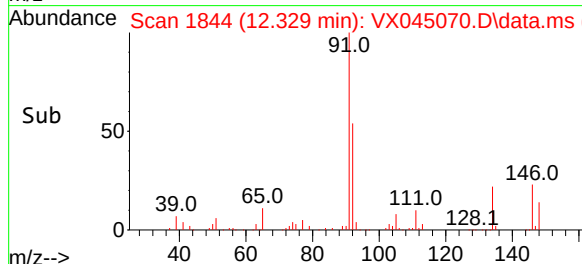
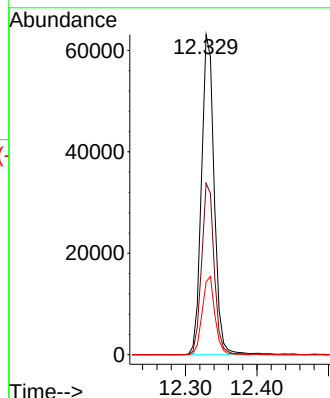
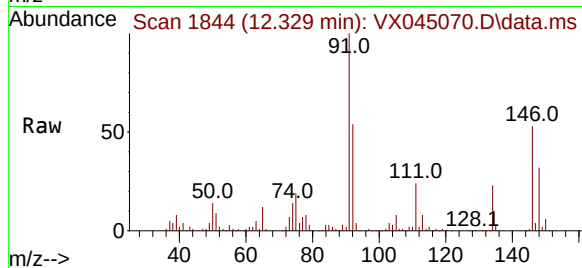
VSTDIC020

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

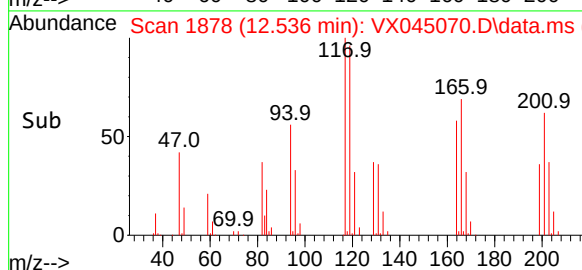
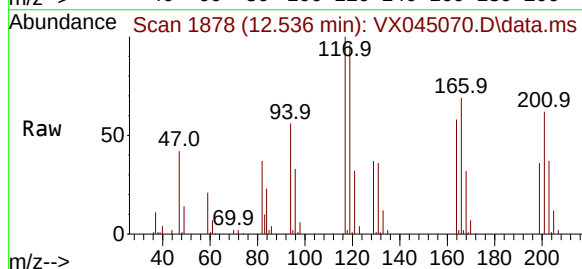
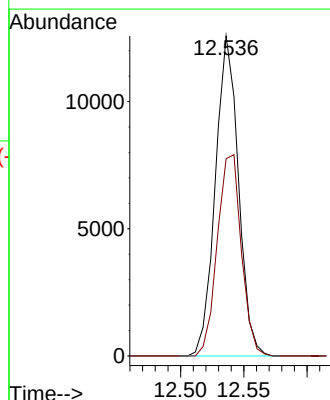
RT: 12.536 min Scan# 1878

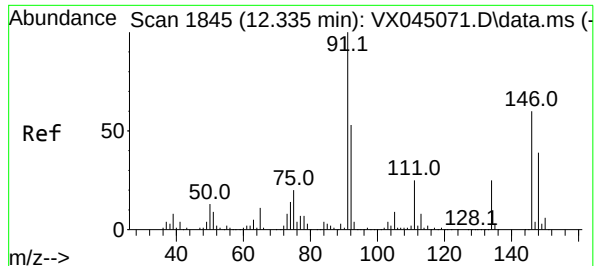
Delta R.T. -0.000 min

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





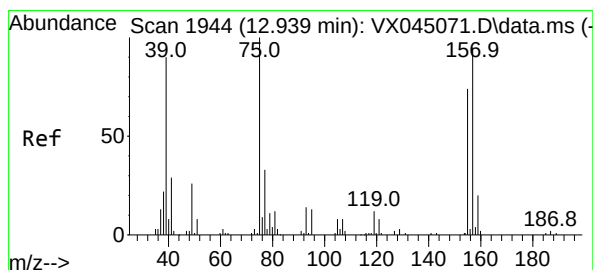
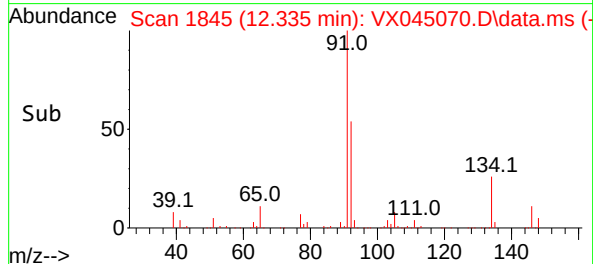
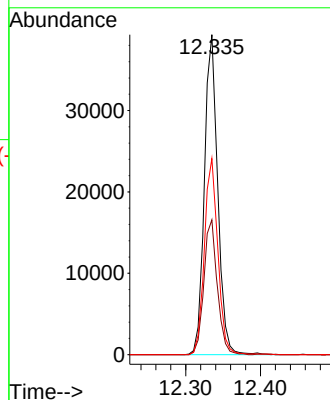
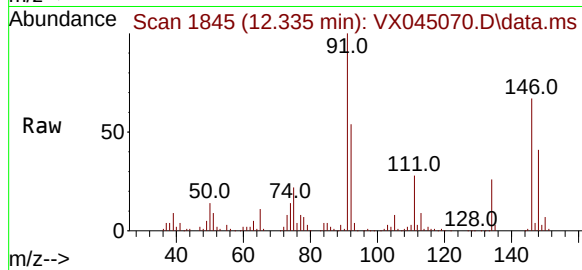
#91
1,2-Dichlorobenzene
Concen: 21.031 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

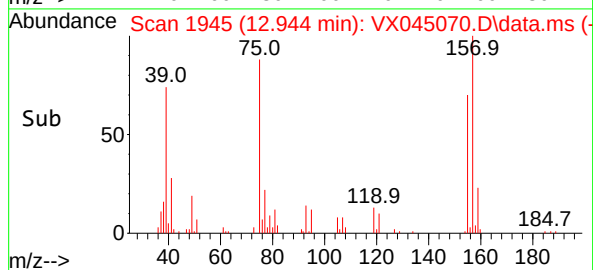
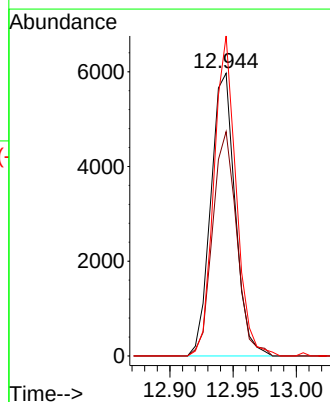
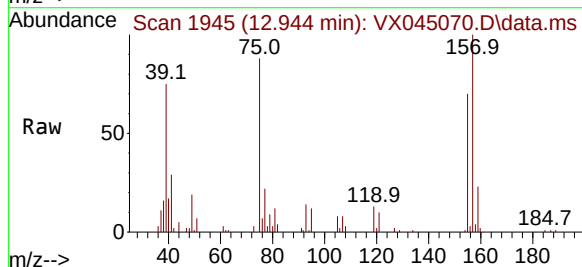
Manual Integrations
APPROVED

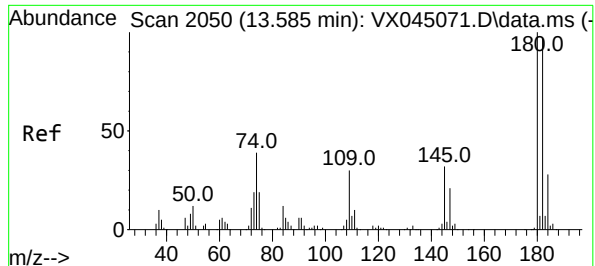
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





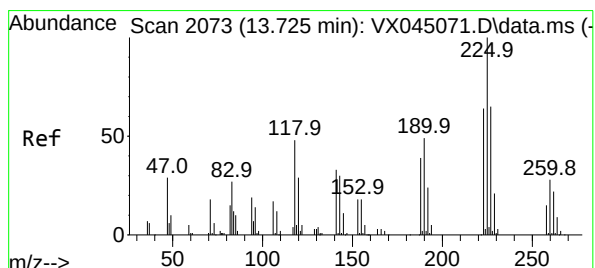
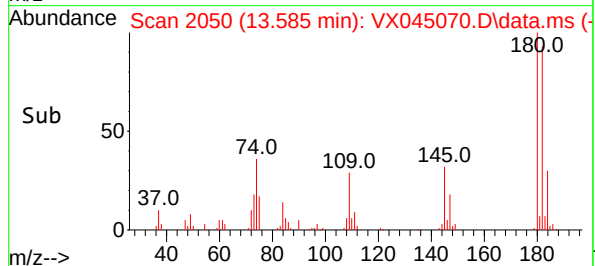
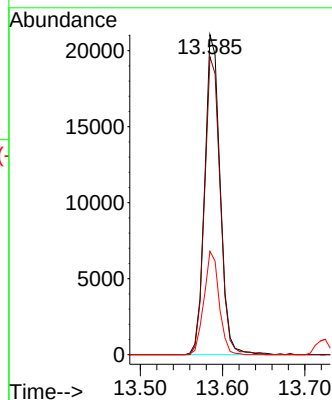
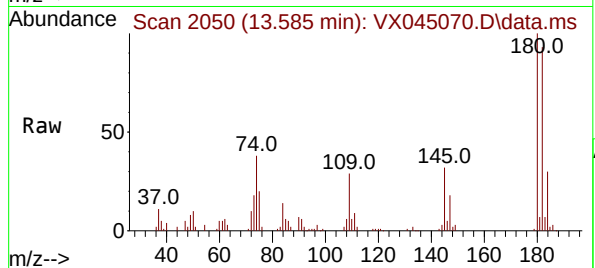
#93
1,2,4-Trichlorobenzene
Concen: 19.617 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

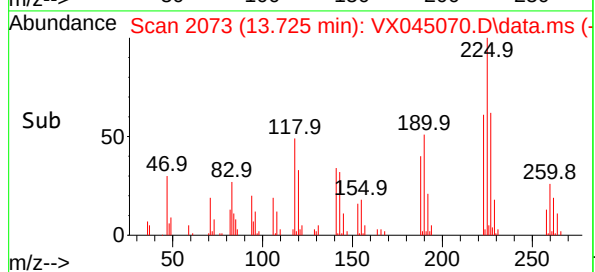
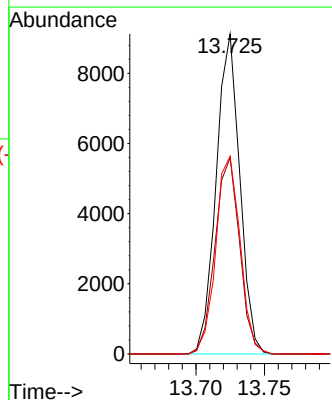
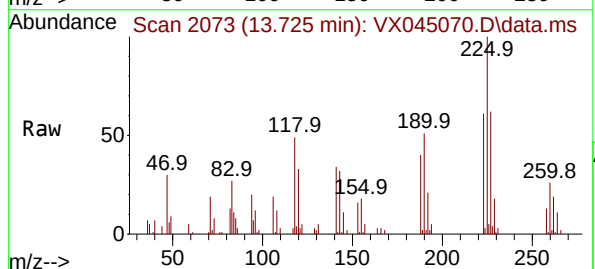
Manual Integrations
APPROVED

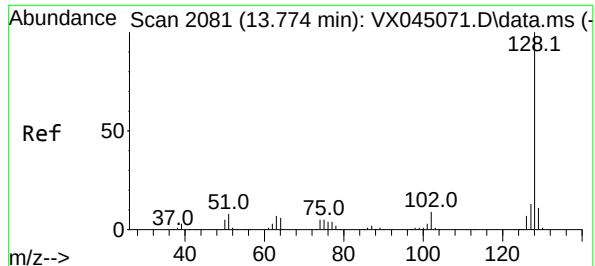
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

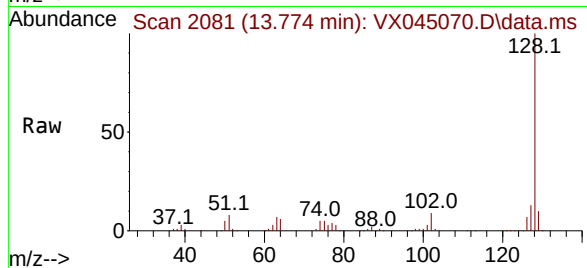
Tgt Ion:225 Resp: 10934
Ion Ratio Lower Upper
225 100
223 63.7 31.9 95.7
227 63.7 31.4 94.0





#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

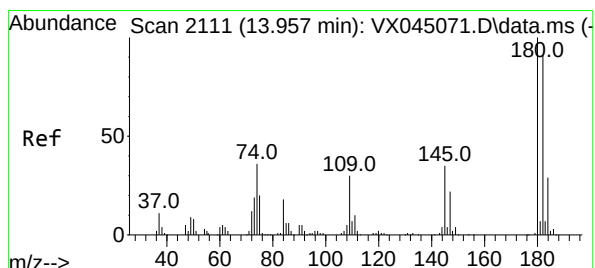
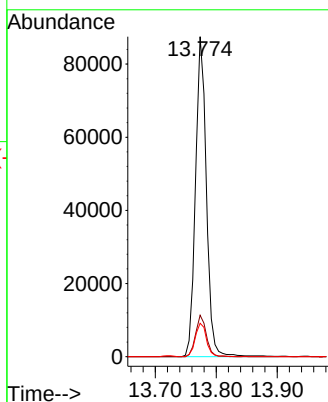
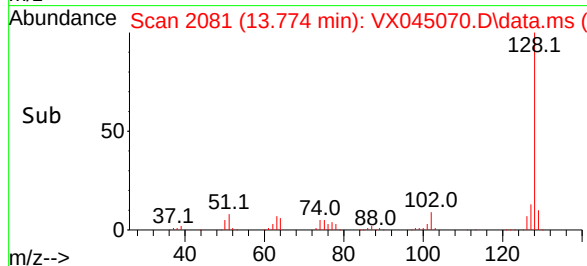
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020



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

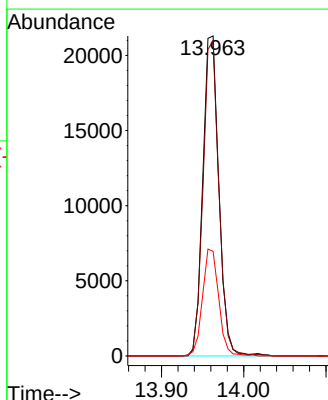
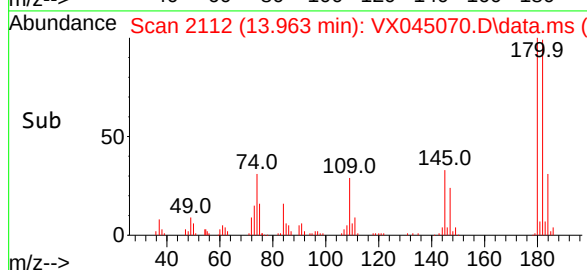
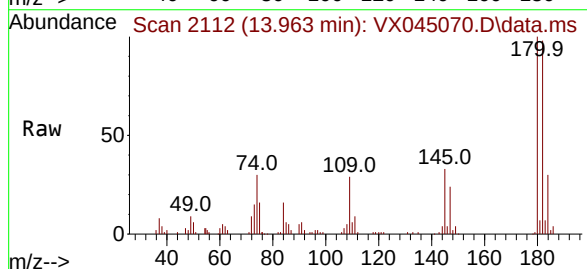
Manual Integrations
APPROVED

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

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

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	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

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

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	4.922	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)
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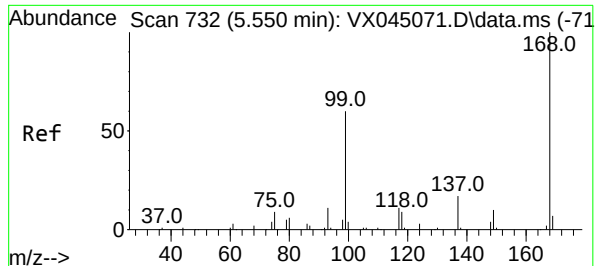
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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





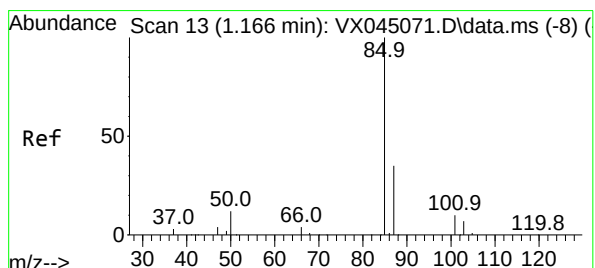
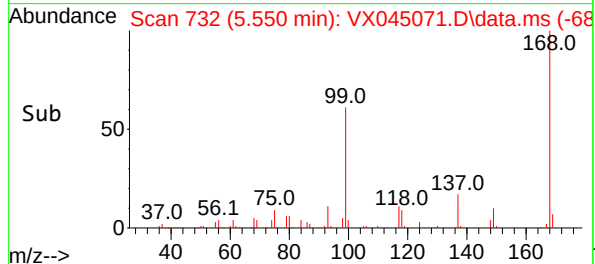
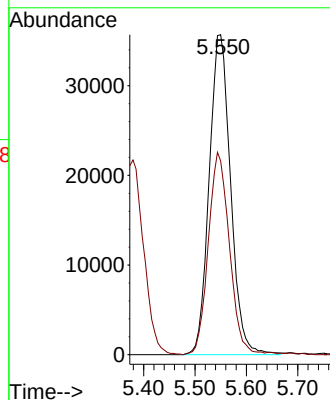
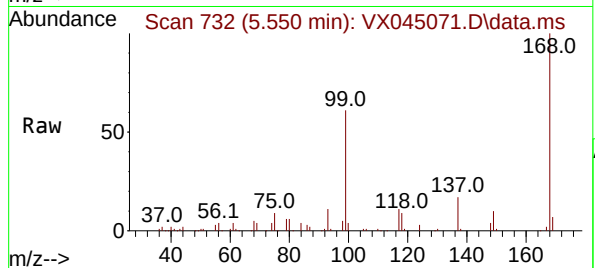
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 103235
Ion Ratio Lower Upper
168 100
99 60.3 48.2 72.4

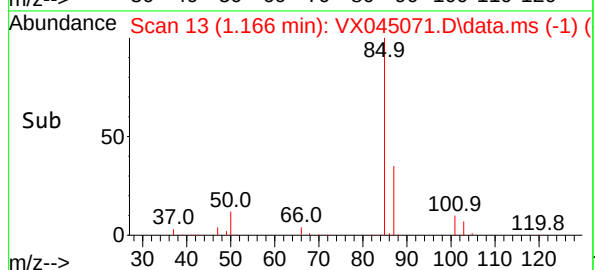
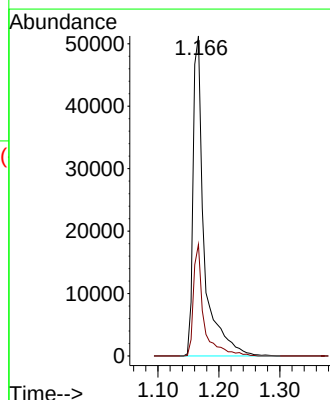
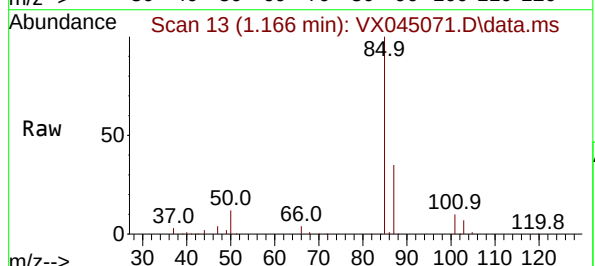
Manual Integrations
APPROVED

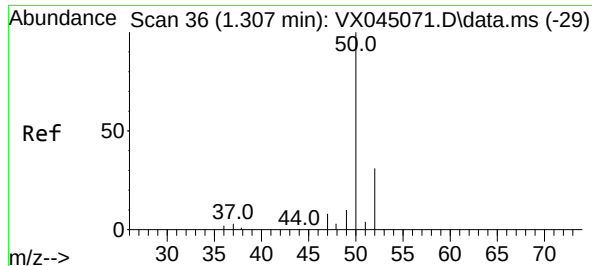
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





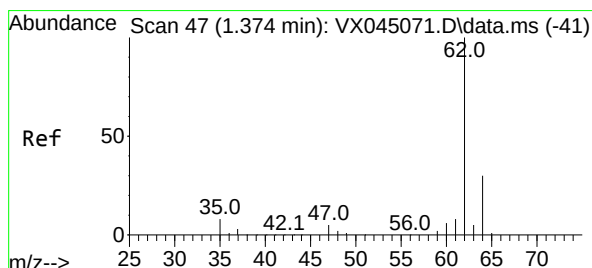
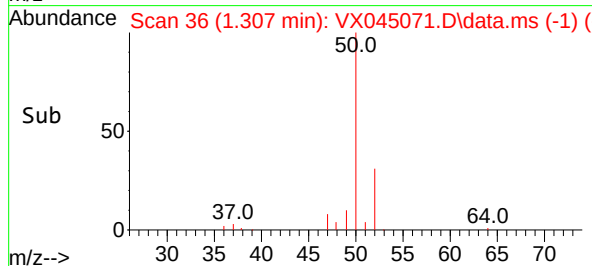
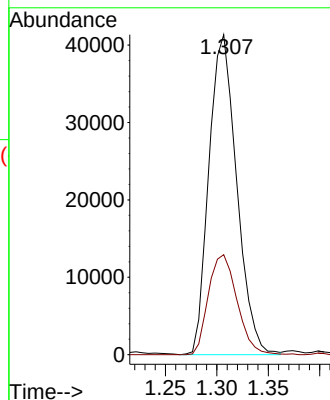
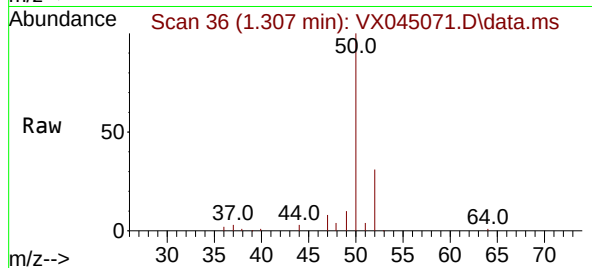
#3
Chloromethane
Concen: 44.894 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 77729
Ion Ratio Lower Upper
50 100
52 31.2 25.0 37.4

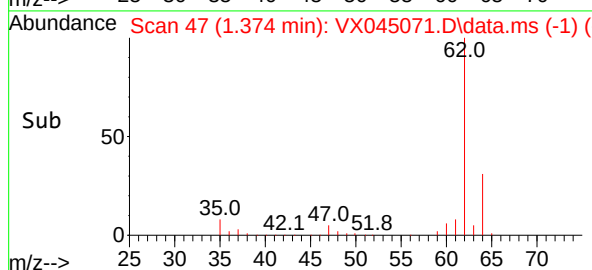
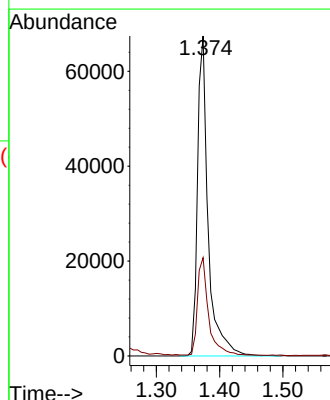
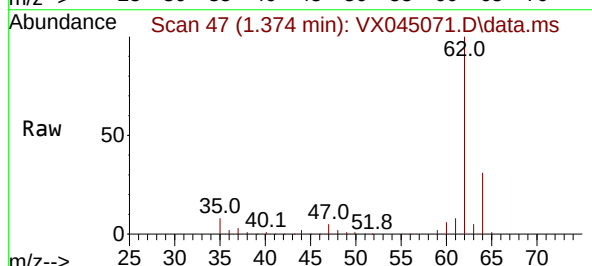
Manual Integrations
APPROVED

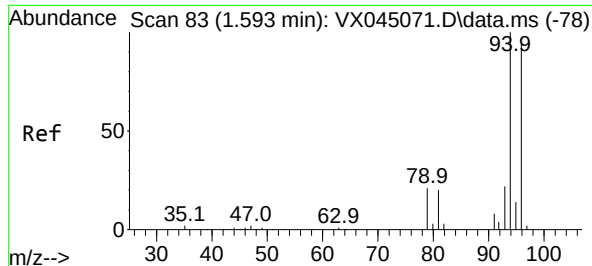
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





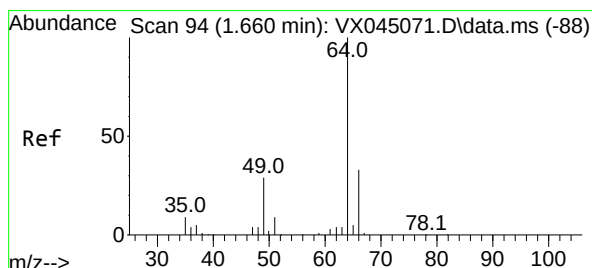
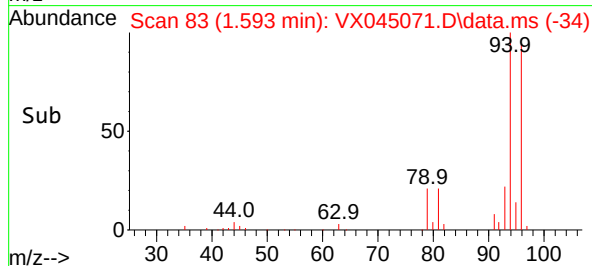
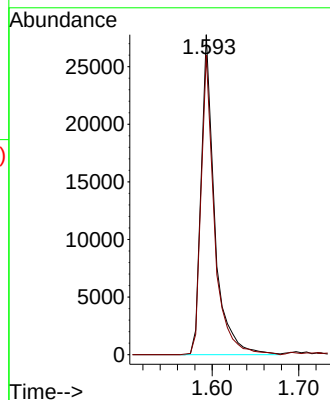
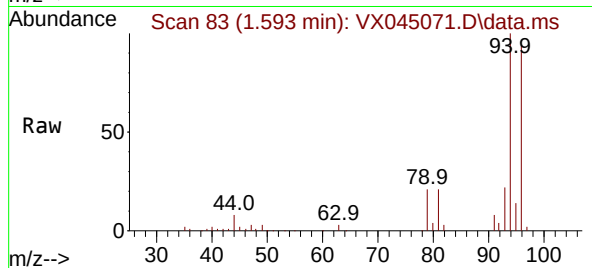
#5
Bromomethane
Concen: 57.066 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 30169
Ion Ratio Lower Upper
94 100
96 93.7 75.0 112.4

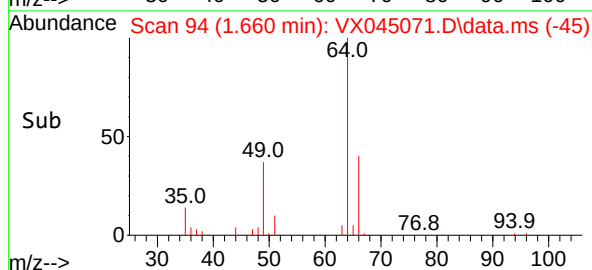
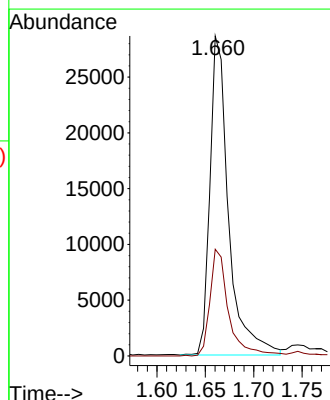
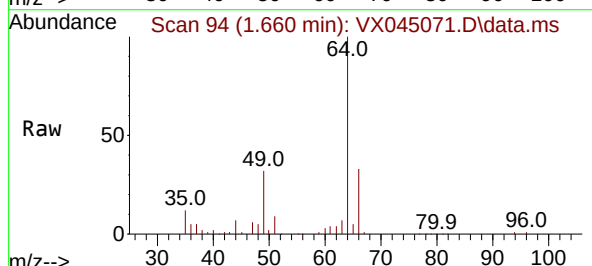
Manual Integrations
APPROVED

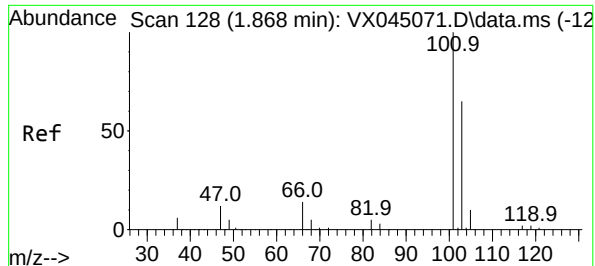
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





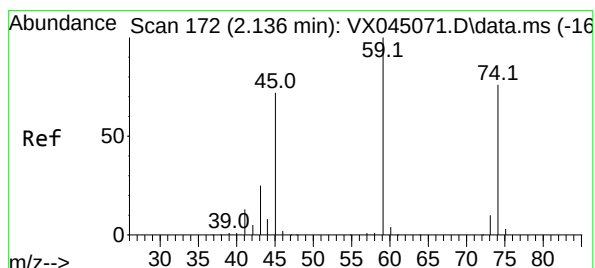
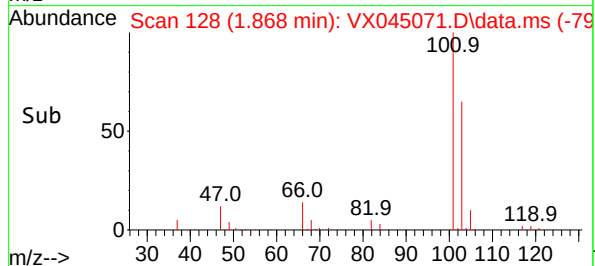
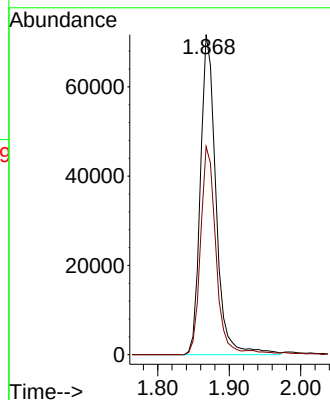
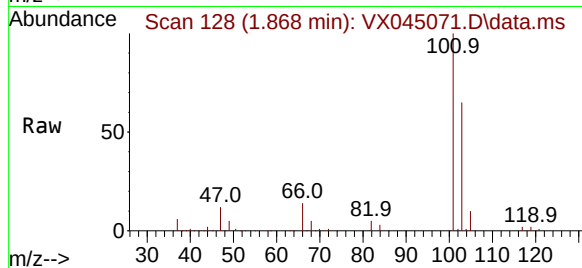
#7
Trichlorofluoromethane
Concen: 50.047 ug/l
RT: 1.868 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 10841
Ion Ratio Lower Upper
101 100
103 65.1 52.1 78.1

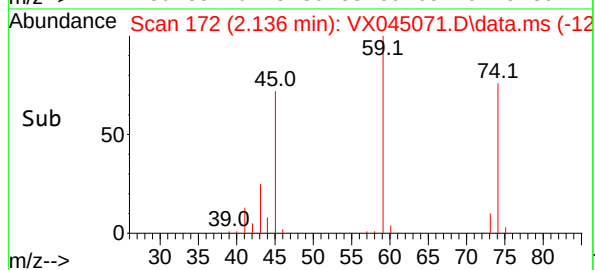
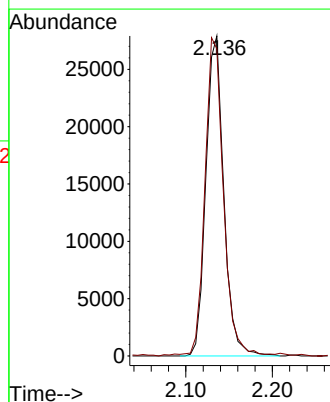
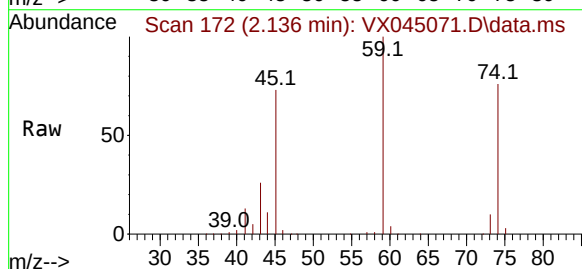
Manual Integrations
APPROVED

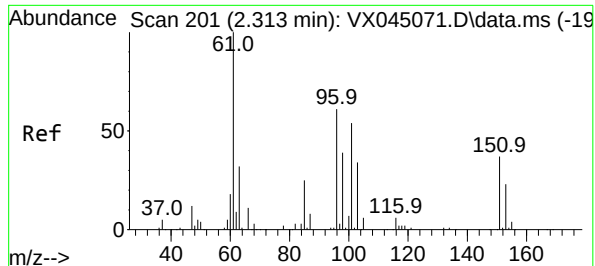
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

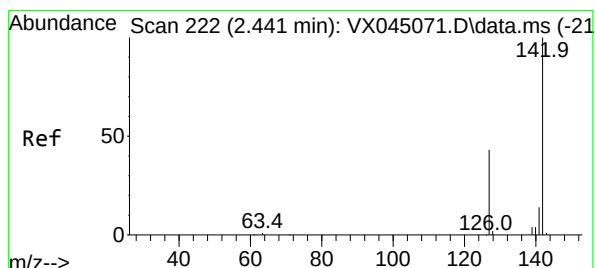
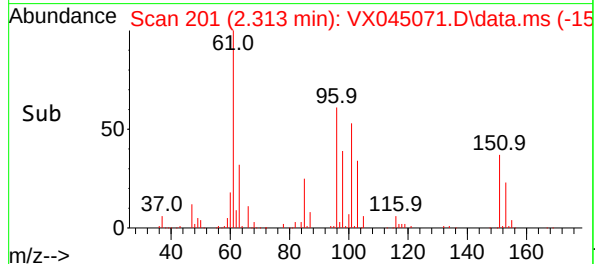
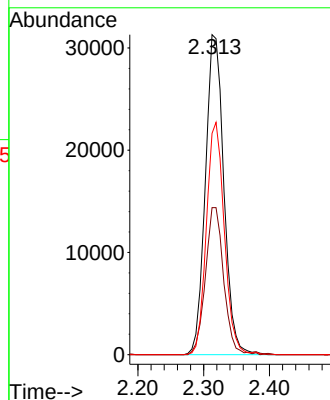
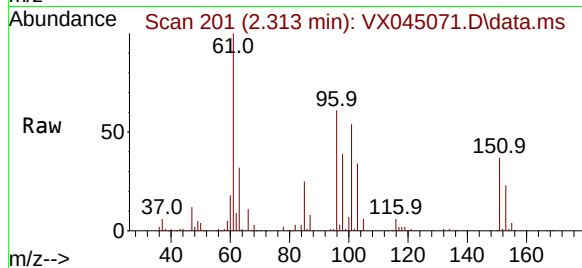
Tgt Ion:	101	Resp:	6131
Ion Ratio	Lower	Upper	
101	100		
85	45.3	36.2	54.4
151	70.5	56.4	84.6

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

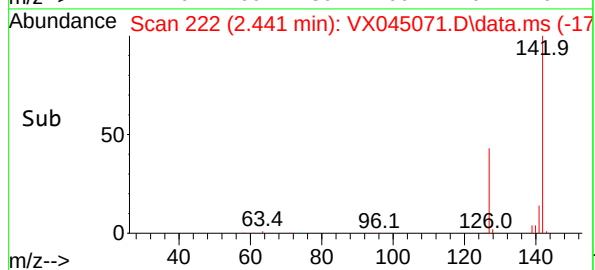
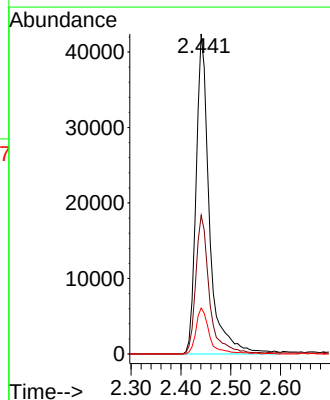
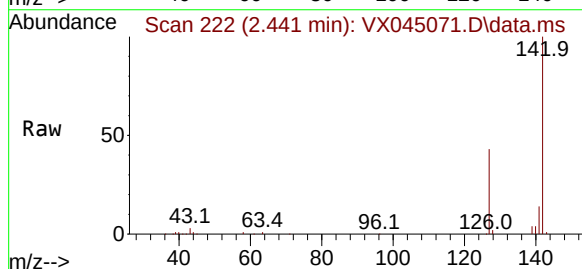
RT: 2.441 min Scan# 222

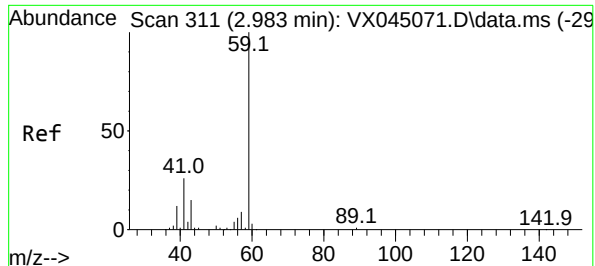
Delta R.T. 0.000 min

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

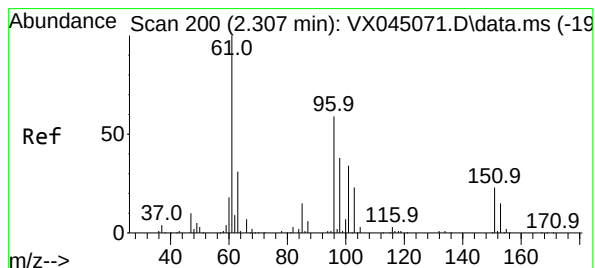
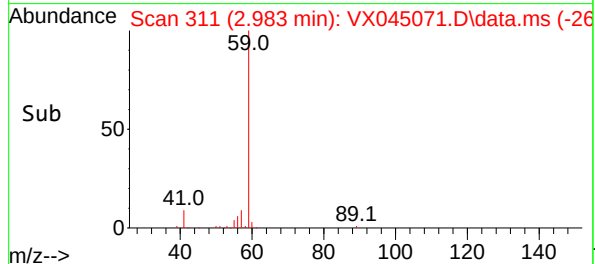
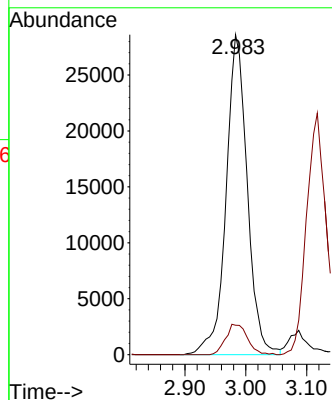
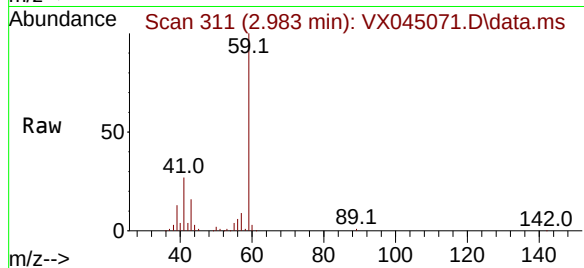
57 9.8 7.8 11.8

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

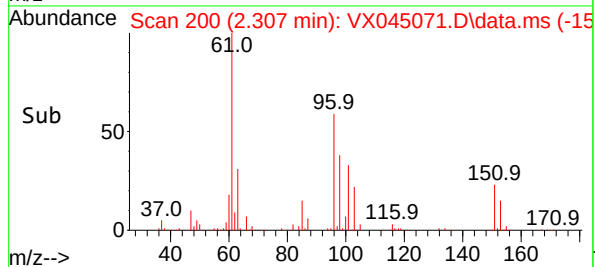
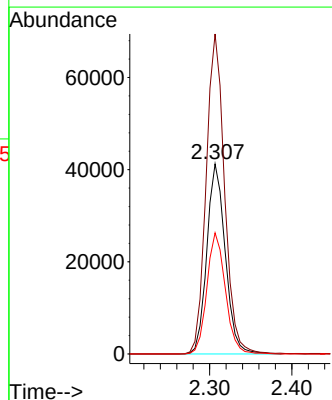
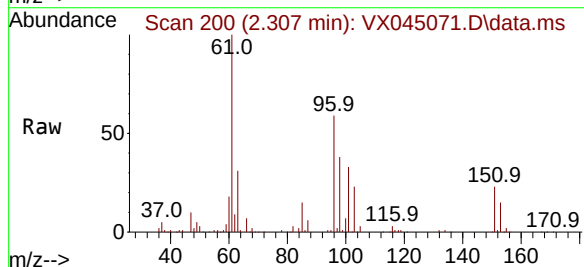
Tgt Ion: 96 Resp: 64327

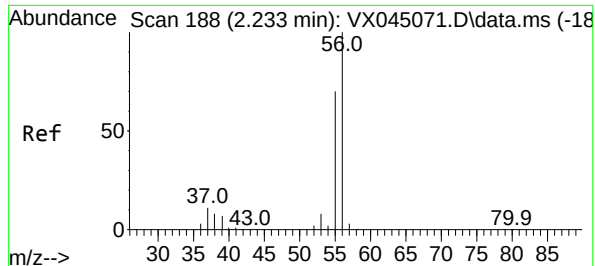
Ion Ratio Lower Upper

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: 8960

Ion Ratio Lower Upper

56 100

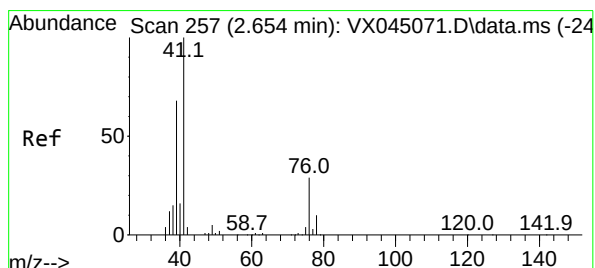
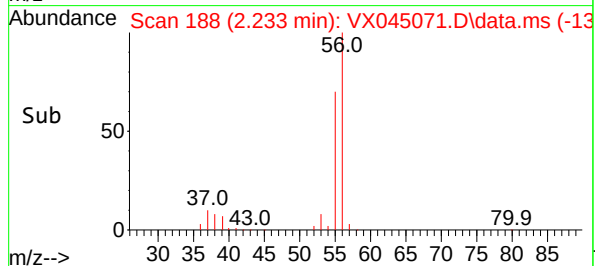
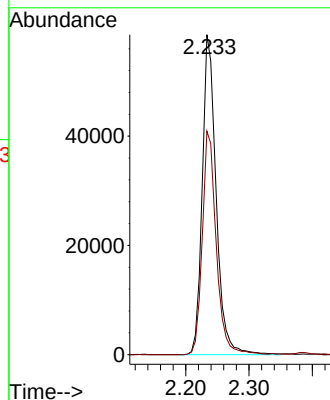
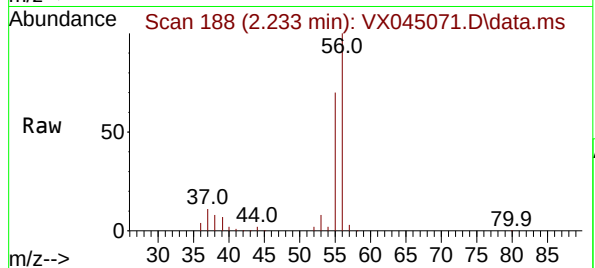
55 70.3 56.2 84.4

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

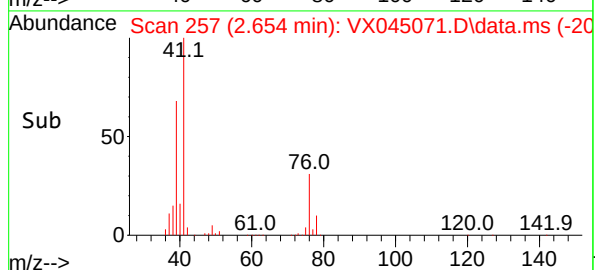
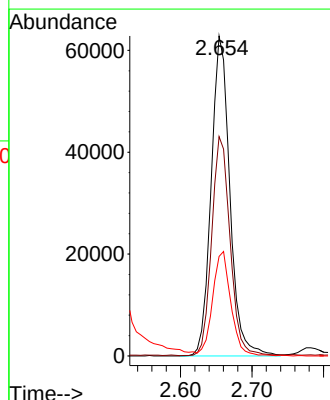
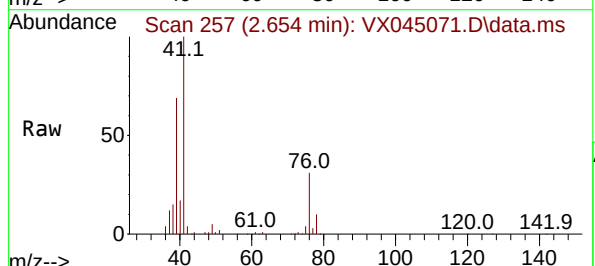
Tgt Ion: 41 Resp: 114313

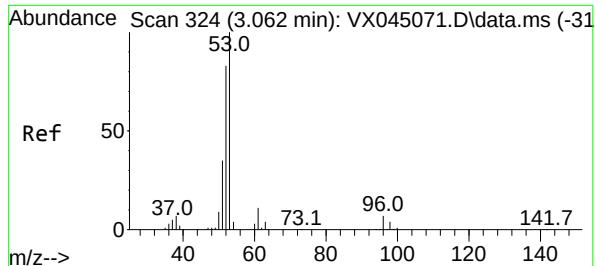
Ion Ratio Lower Upper

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

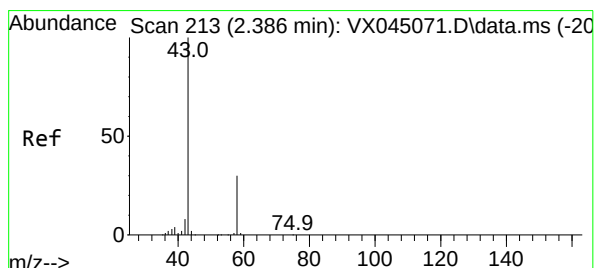
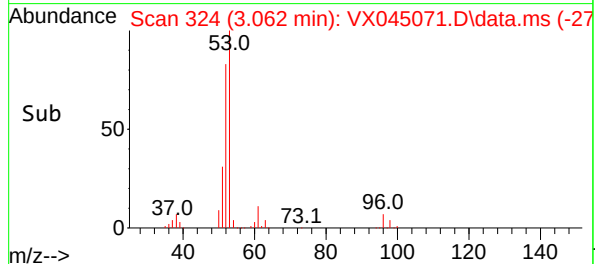
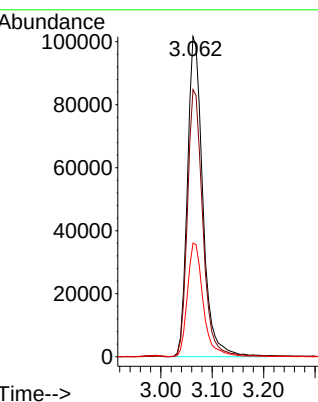
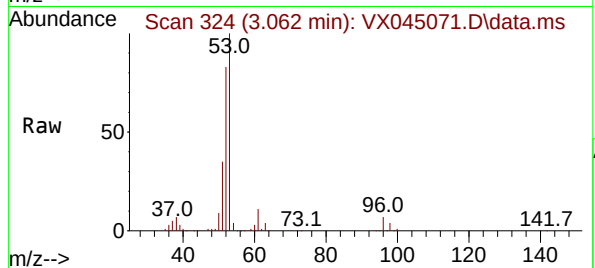
51 36.2 29.0 43.4

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

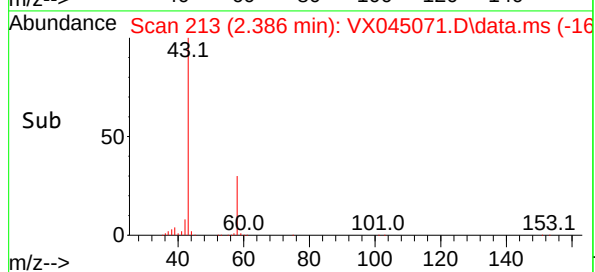
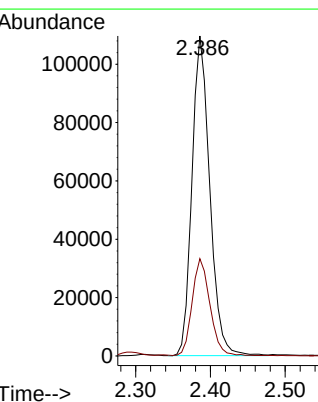
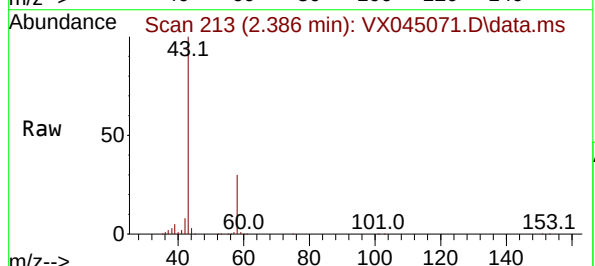
Acq: 28 Feb 2025 03:00

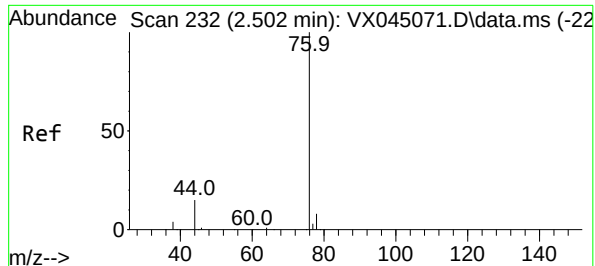
Tgt Ion: 43 Resp: 181429

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

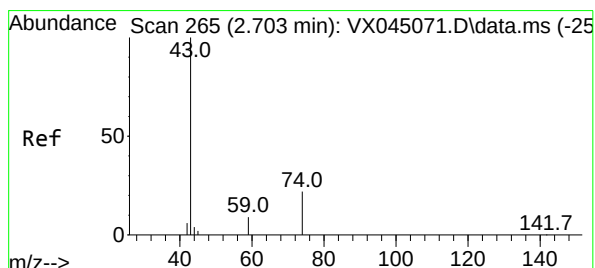
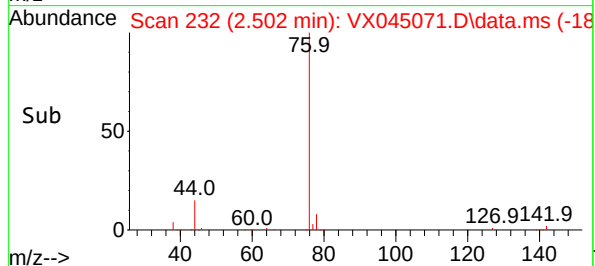
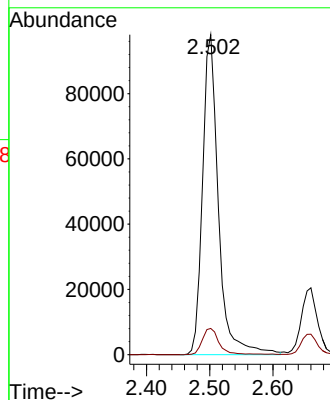
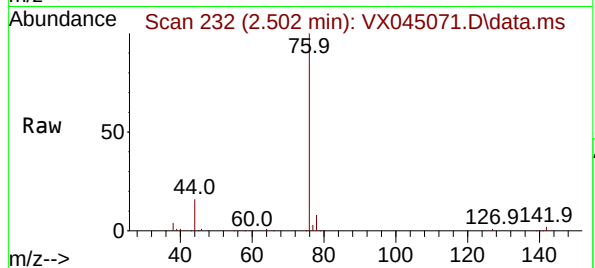
78 8.2 6.6 9.8

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

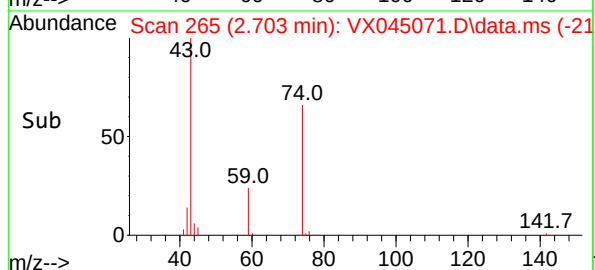
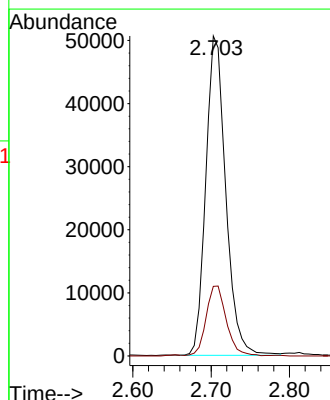
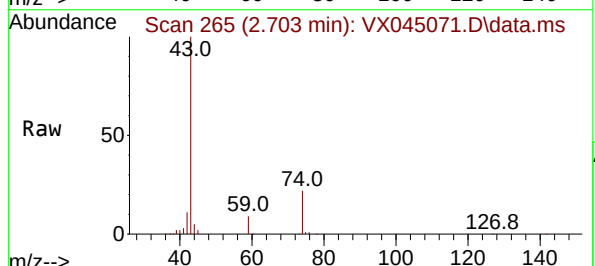
Acq: 28 Feb 2025 03:00

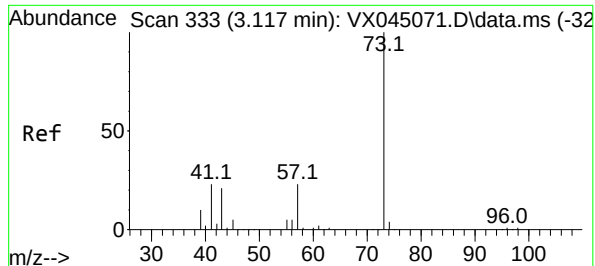
Tgt Ion: 43 Resp: 89508

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

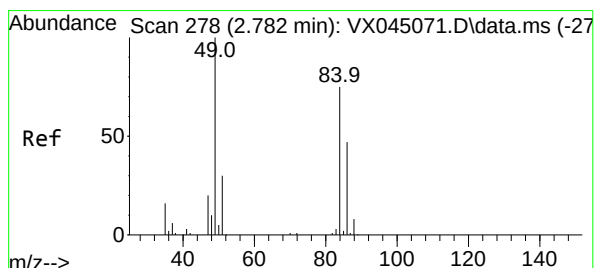
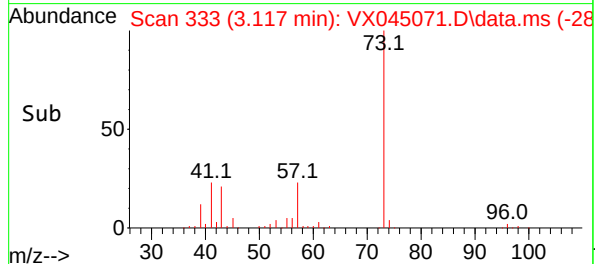
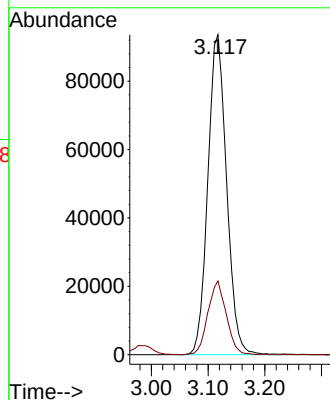
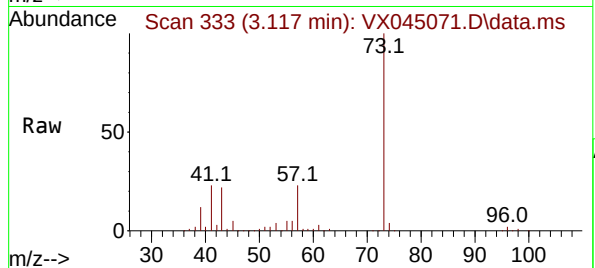
57 23.1 18.5 27.7

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

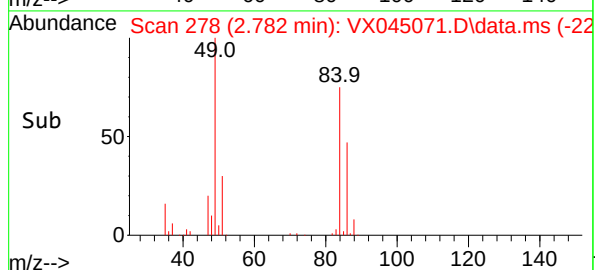
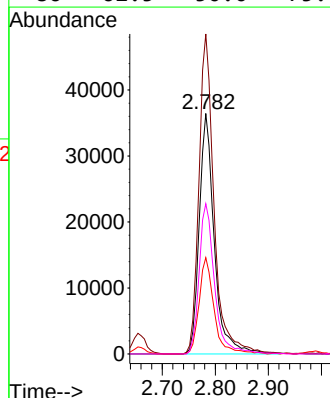
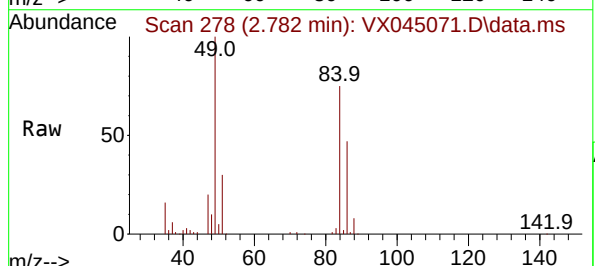
Ion Ratio Lower Upper

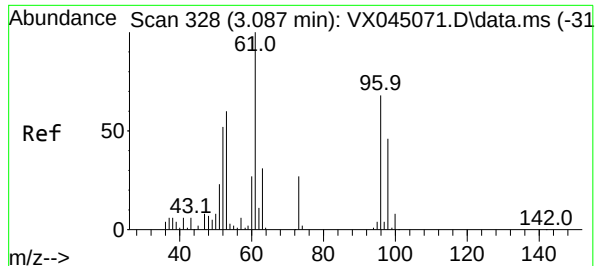
84 100

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 :

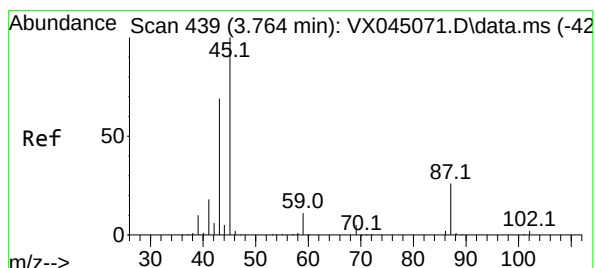
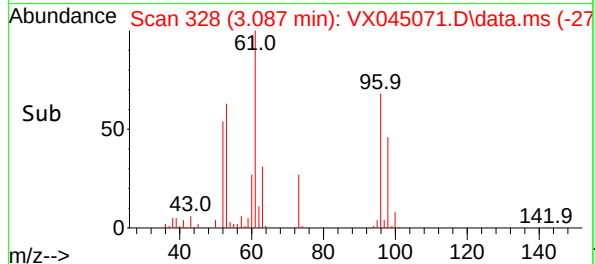
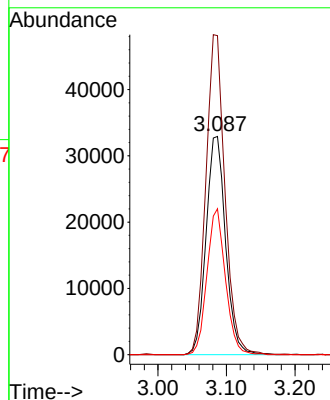
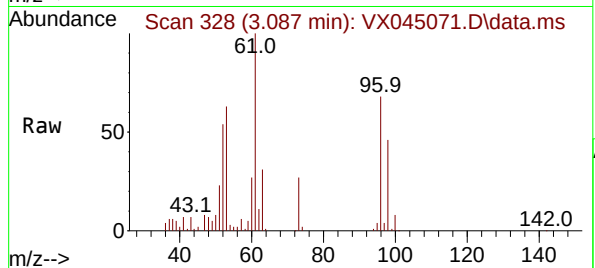
VSTDICCC050

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

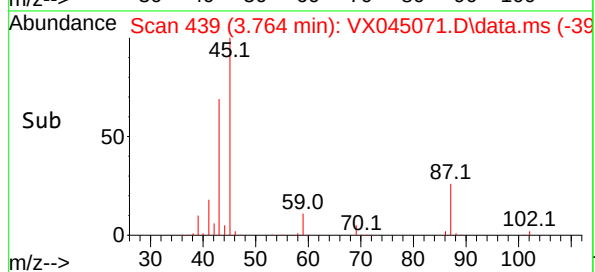
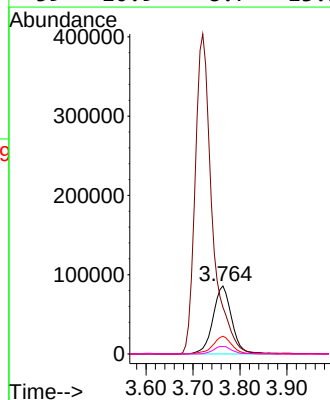
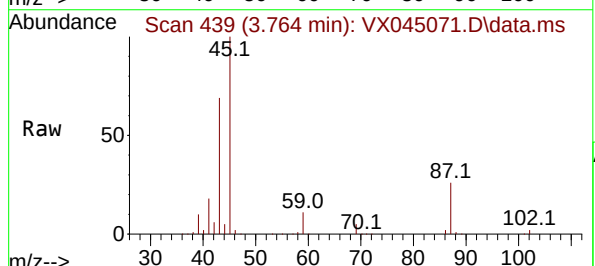
RT: 3.764 min Scan# 439

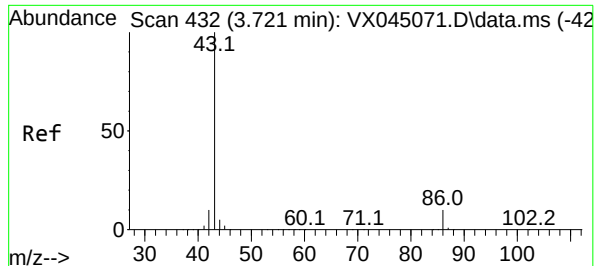
Delta R.T. 0.000 min

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

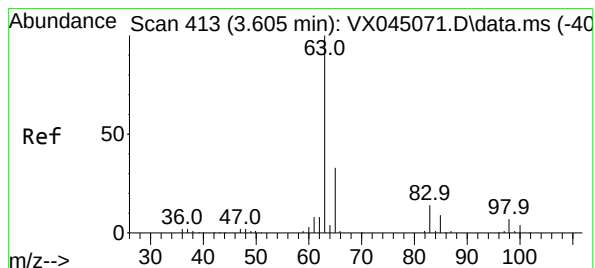
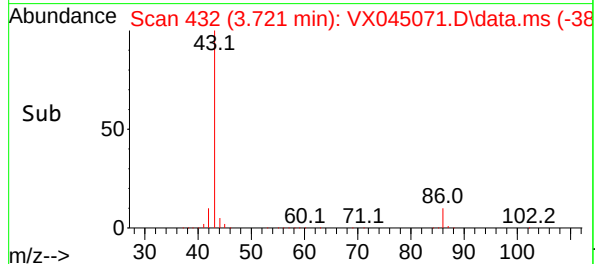
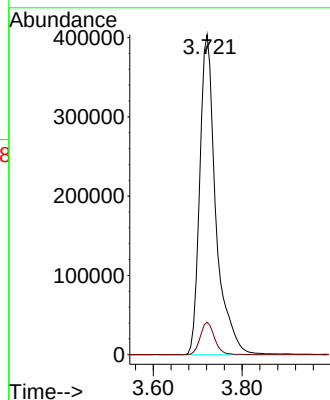
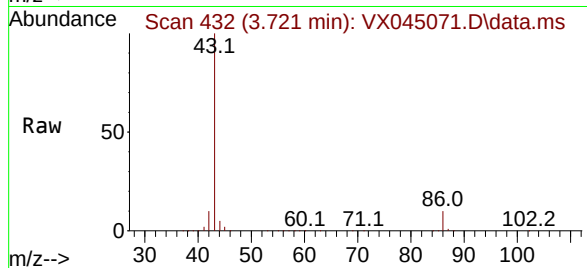
12.1

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

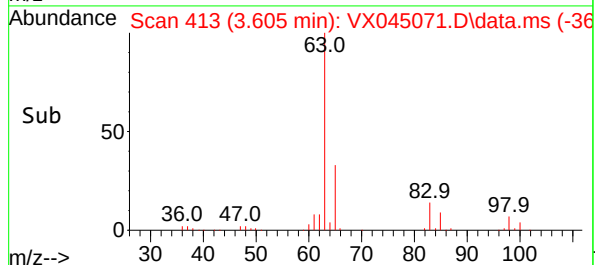
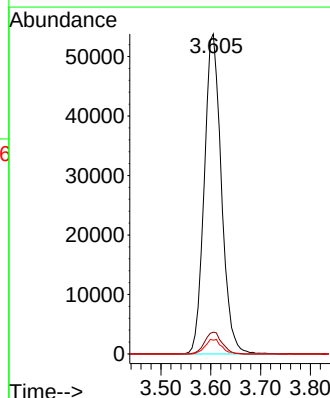
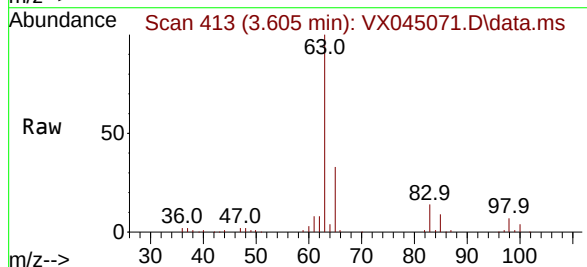
3.4

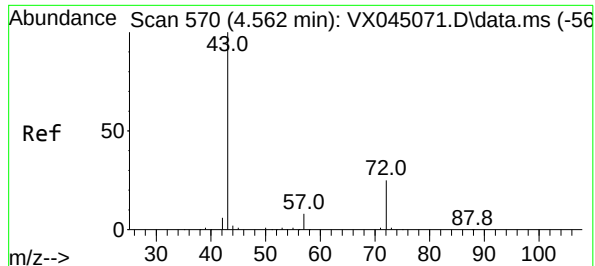
10.2

100 4.3

2.1

6.5





#25

2-Butanone

Concen: 295.330 ug/l

RT: 4.562 min Scan# 51

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

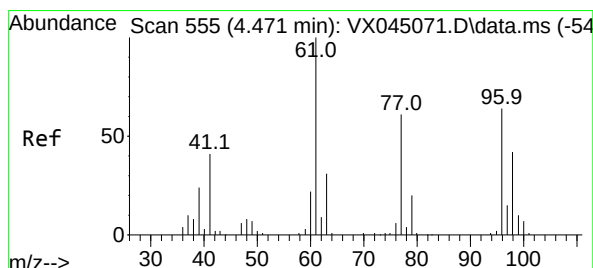
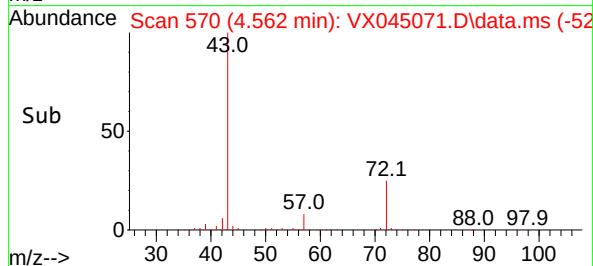
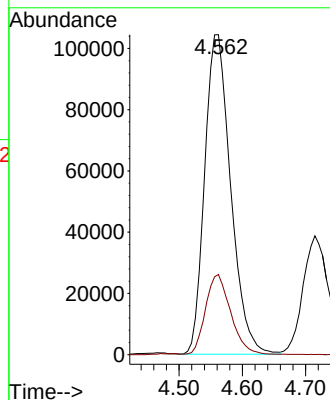
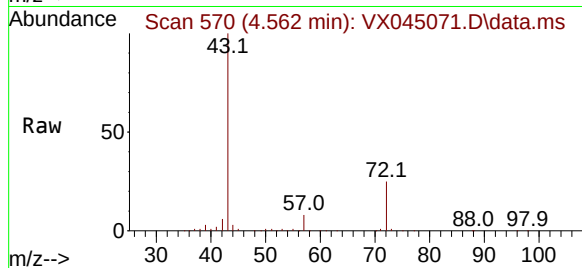
72 25.0 20.0 30.0

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

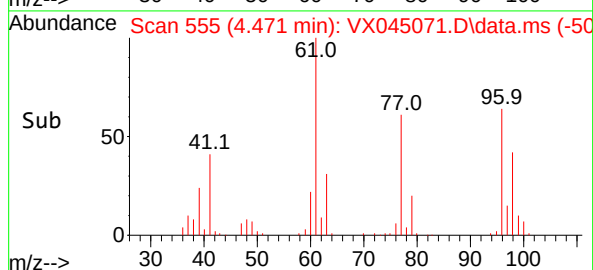
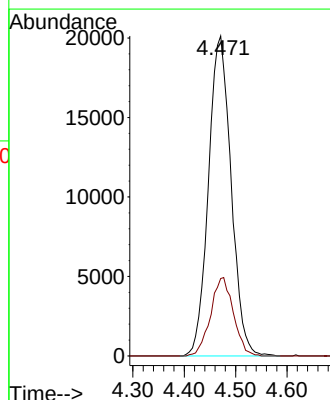
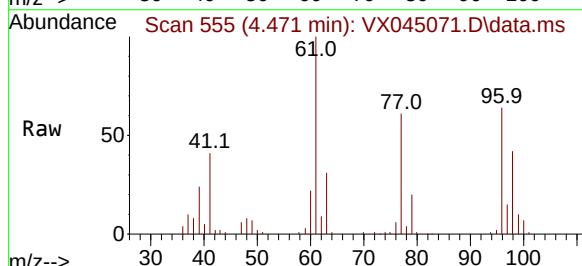
Acq: 28 Feb 2025 03:00

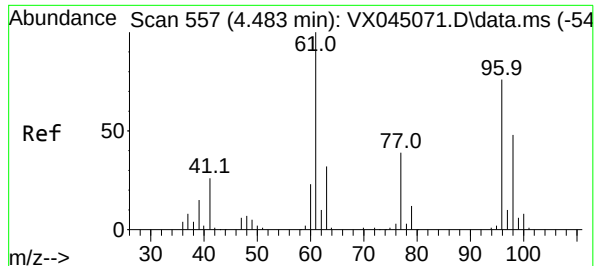
Tgt Ion: 77 Resp: 61631

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 :

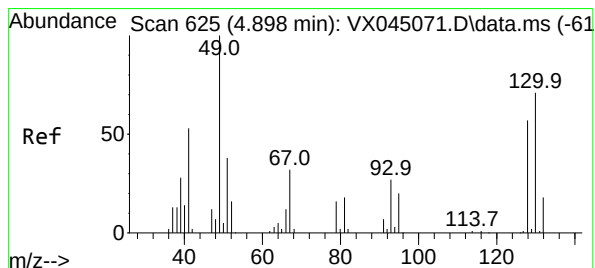
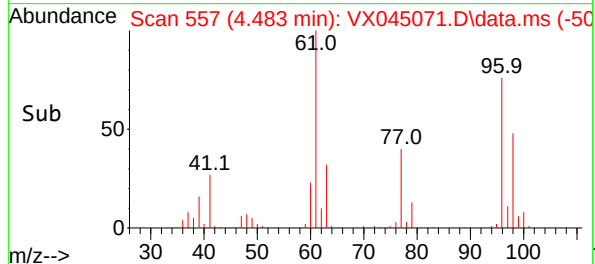
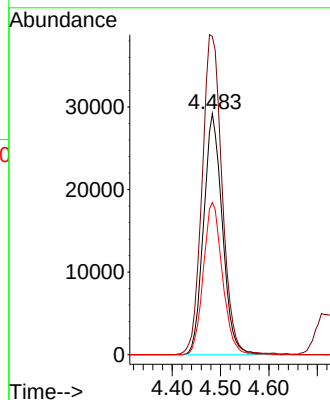
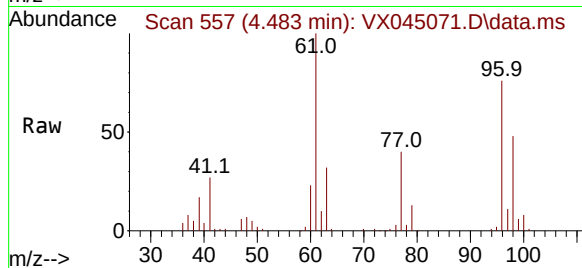
VSTDICCC050

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

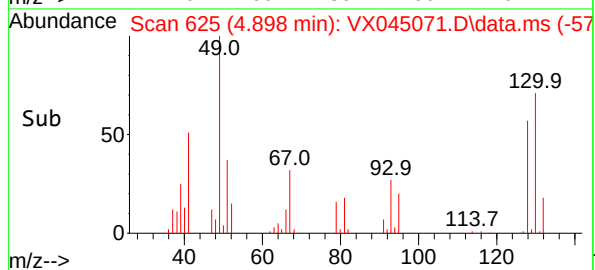
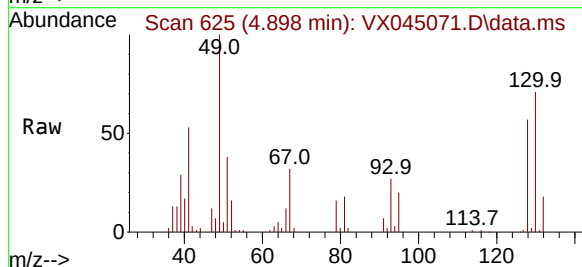
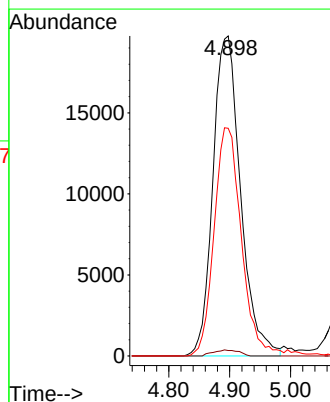
RT: 4.898 min Scan# 625

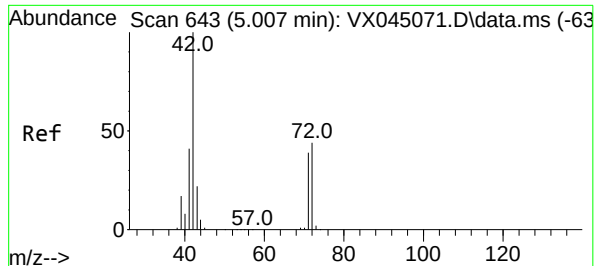
Delta R.T. 0.000 min

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

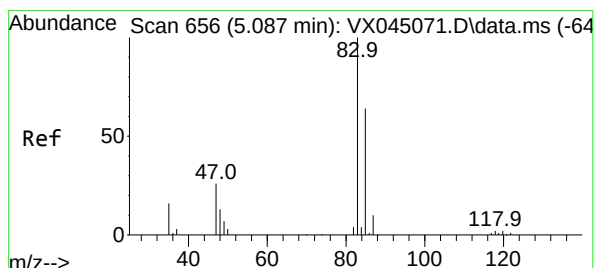
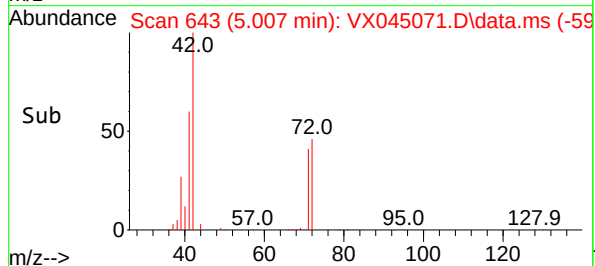
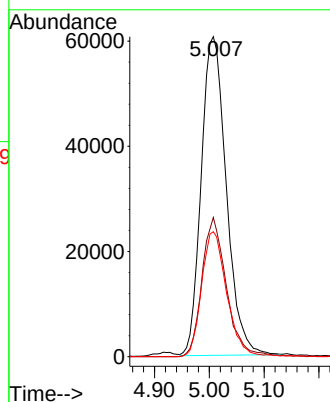
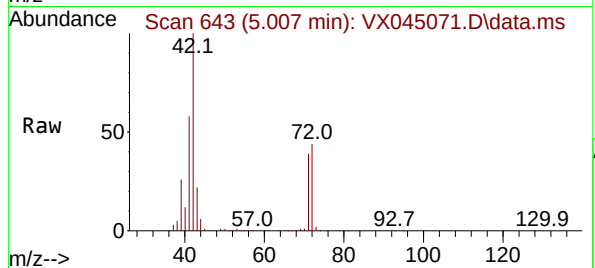
71 39.2 31.4 47.0

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

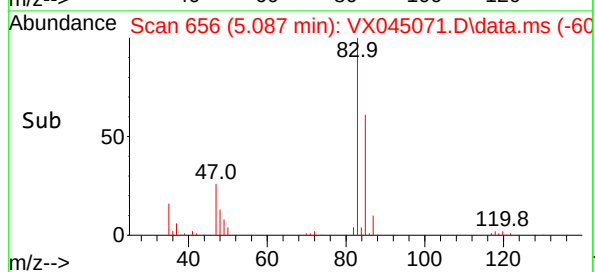
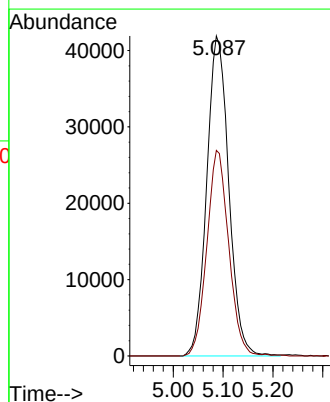
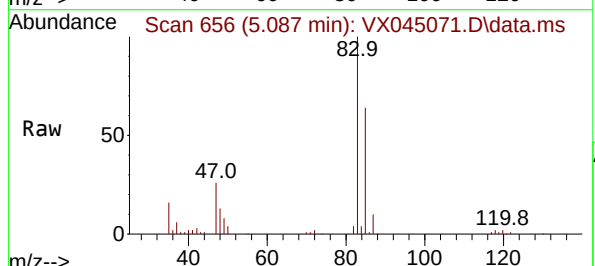
Acq: 28 Feb 2025 03:00

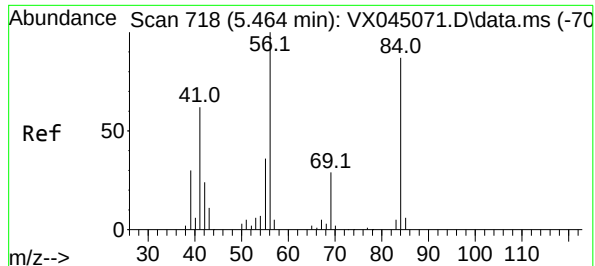
Tgt Ion: 83 Resp: 128581

Ion Ratio Lower Upper

83 100

85 64.3 51.4 77.2





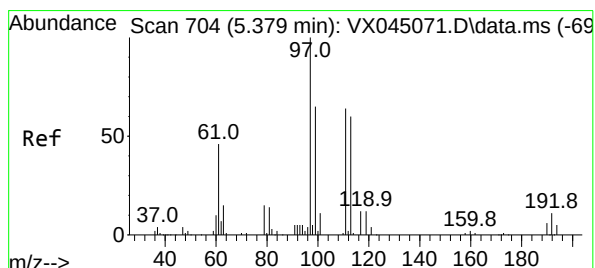
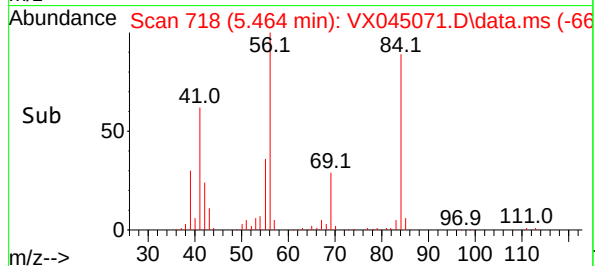
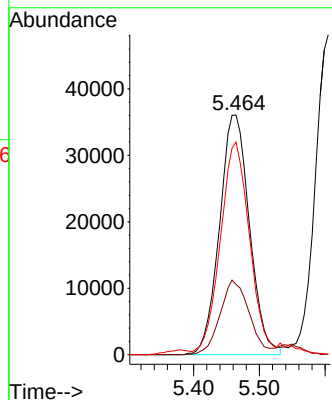
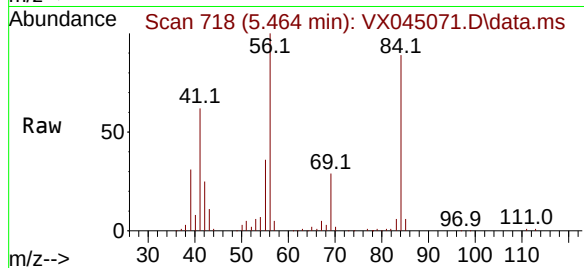
#31
Cyclohexane
Concen: 48.836 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

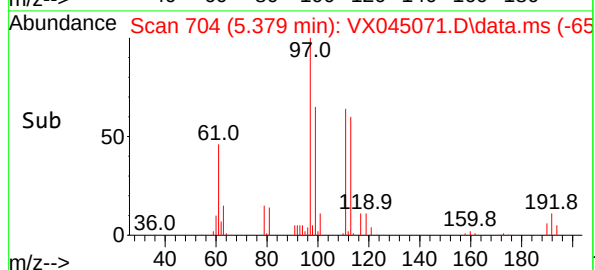
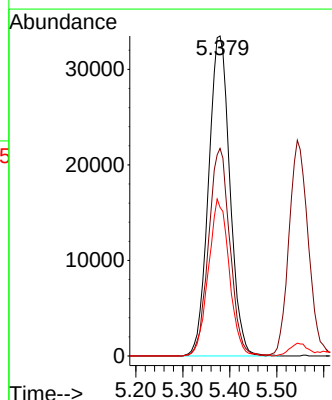
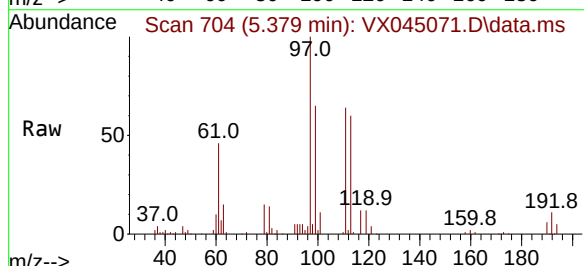
Manual Integrations
APPROVED

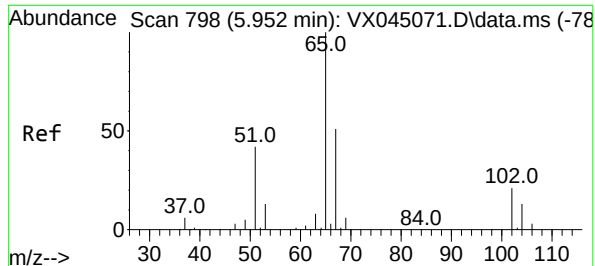
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

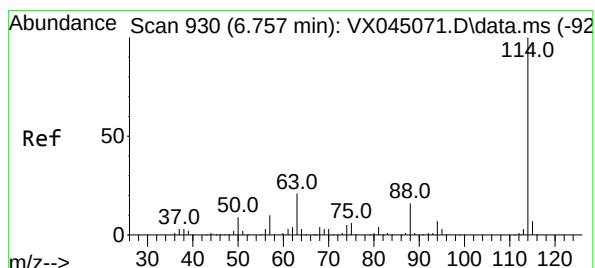
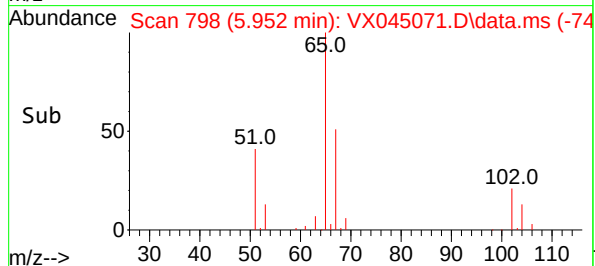
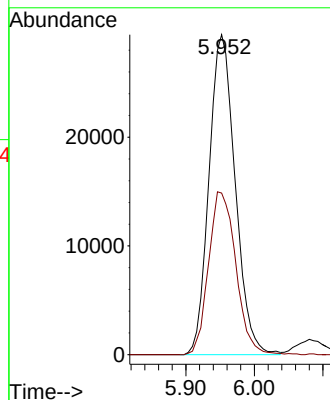
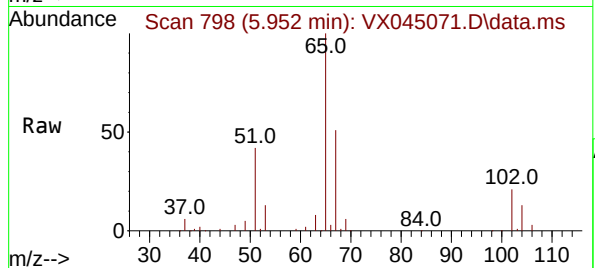
67 53.1 0.0 106.2

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

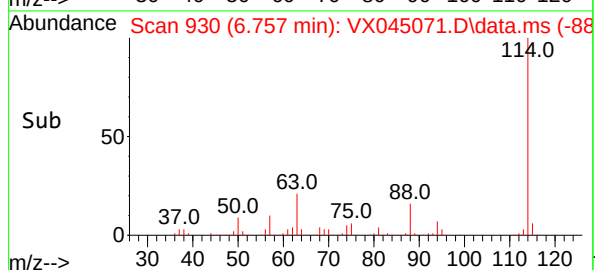
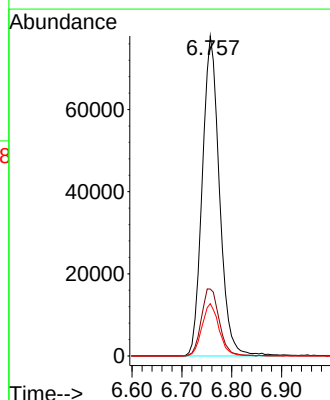
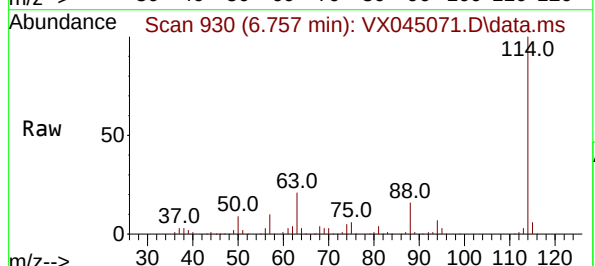
Tgt Ion:114 Resp: 186358

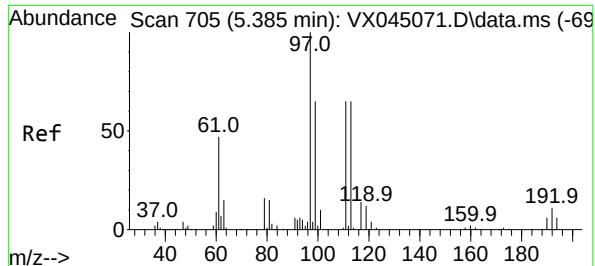
Ion Ratio Lower Upper

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 :

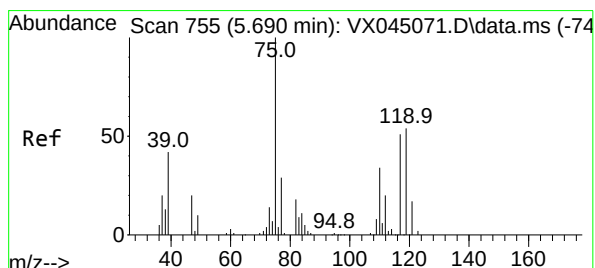
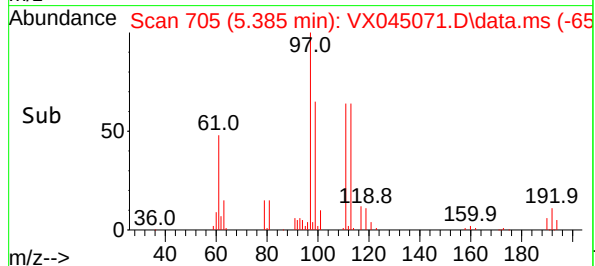
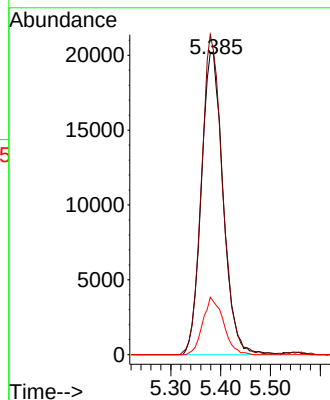
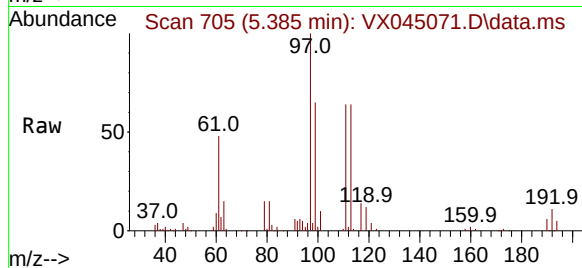
VSTDICCC050

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

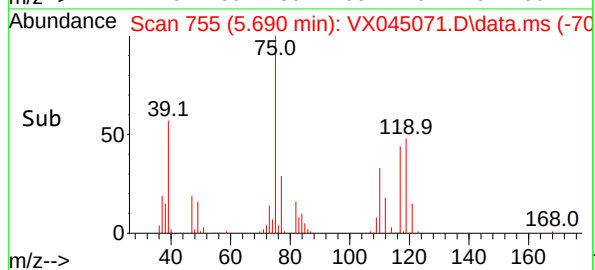
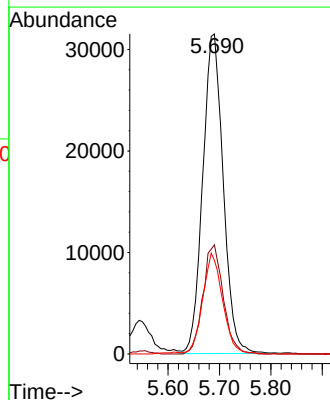
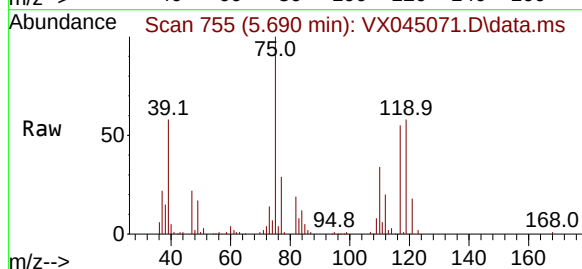
RT: 5.690 min Scan# 755

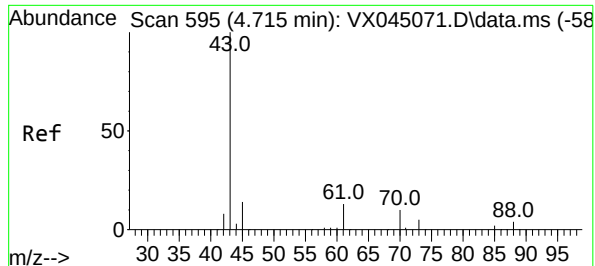
Delta R.T. 0.000 min

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 :

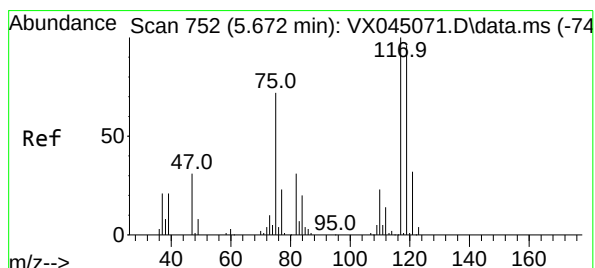
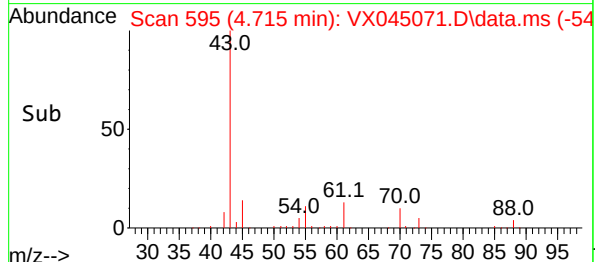
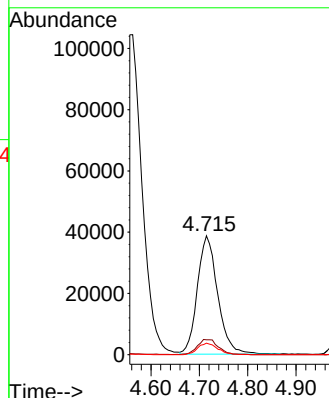
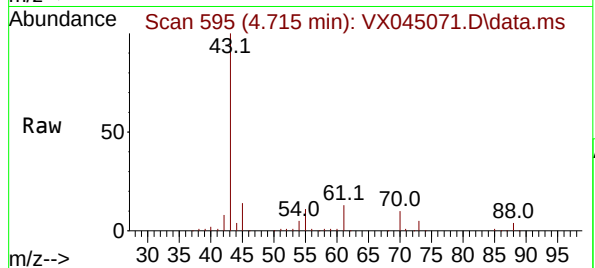
VSTDICCC050

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

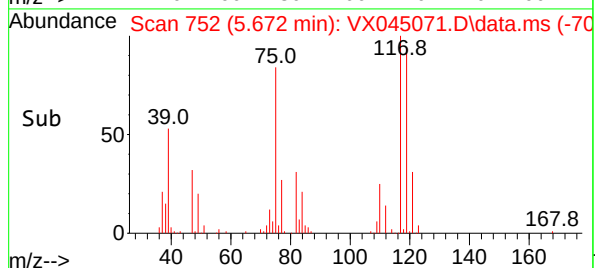
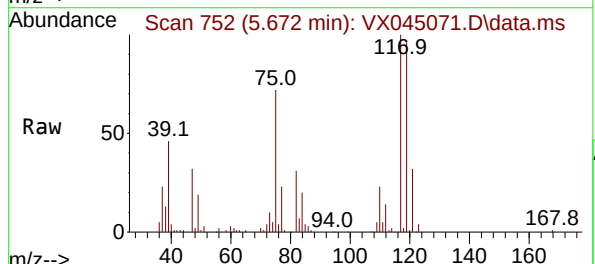
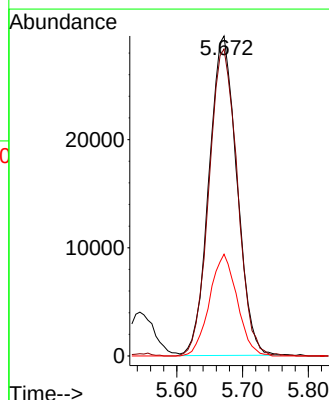
Delta R.T. 0.000 min

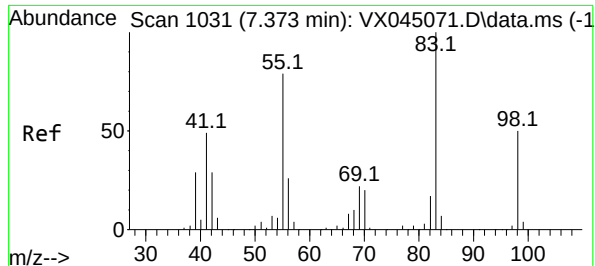
Lab File: VX045071.D

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

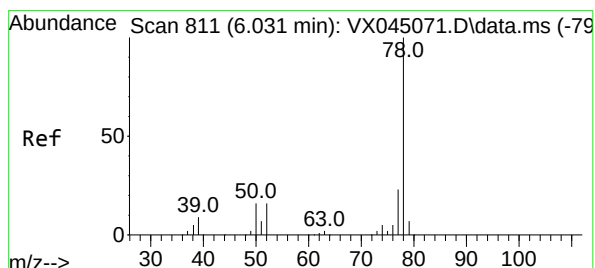
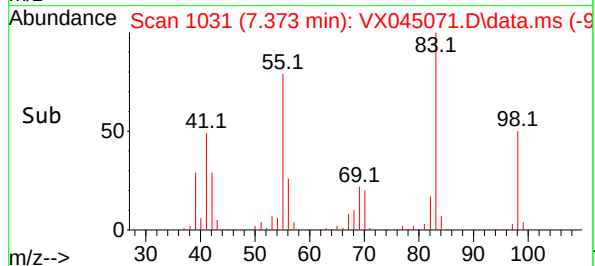
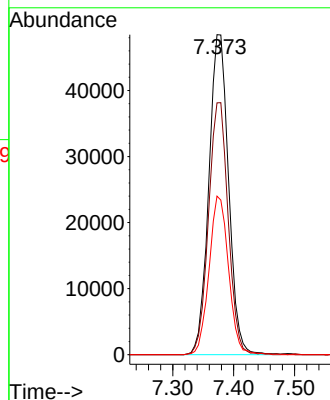
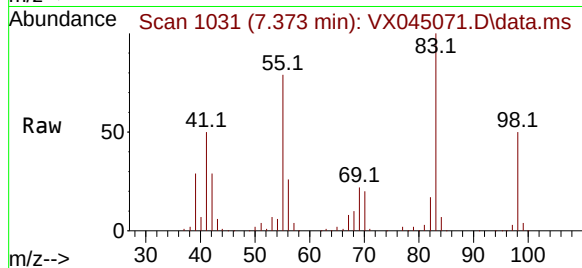
98 49.6 39.7 59.5

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

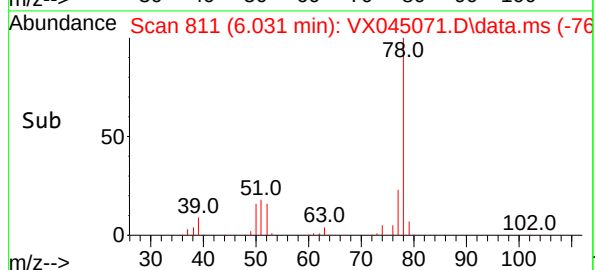
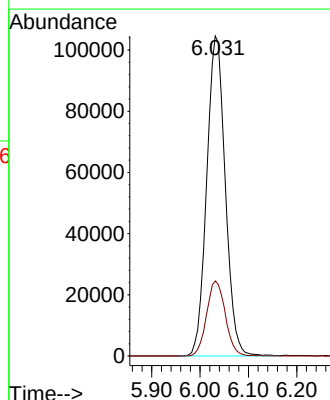
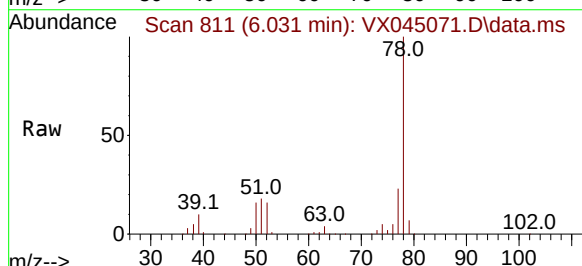
Acq: 28 Feb 2025 03:00

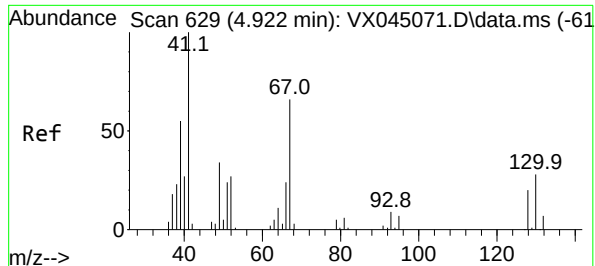
Tgt Ion: 78 Resp: 278802

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

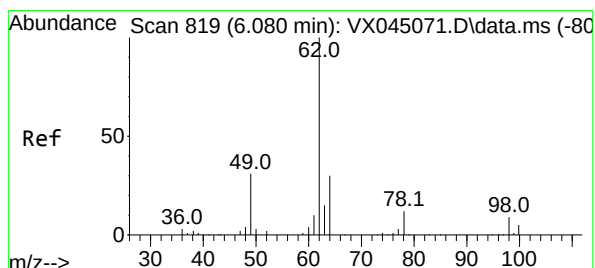
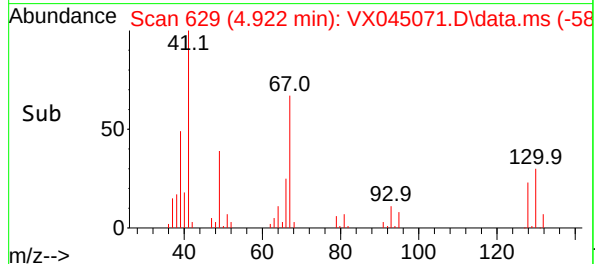
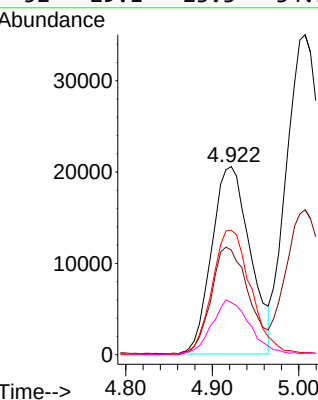
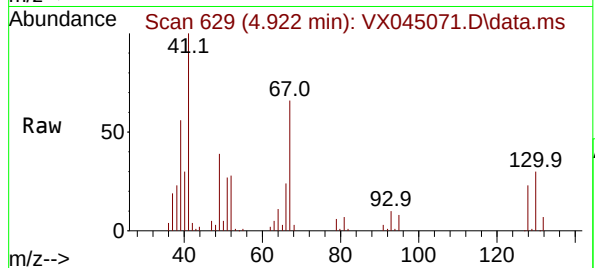
52 29.1 23.3 34.9

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

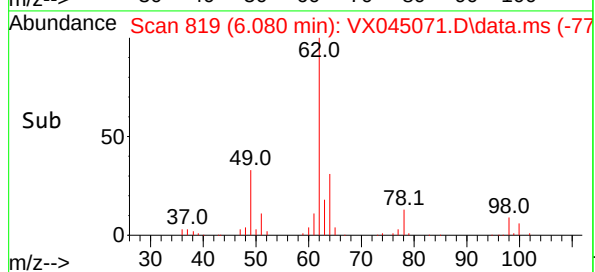
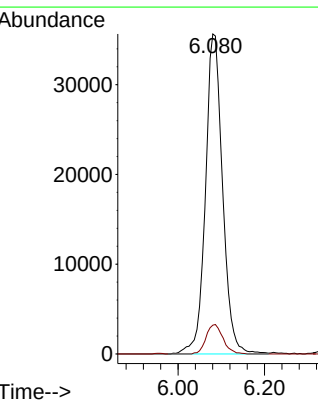
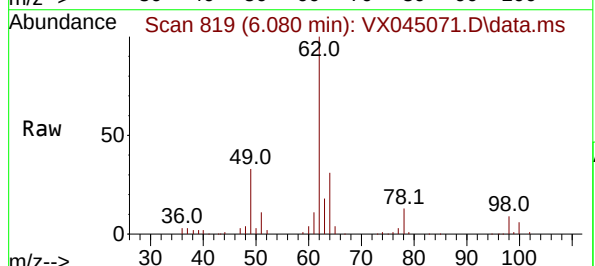
Acq: 28 Feb 2025 03:00

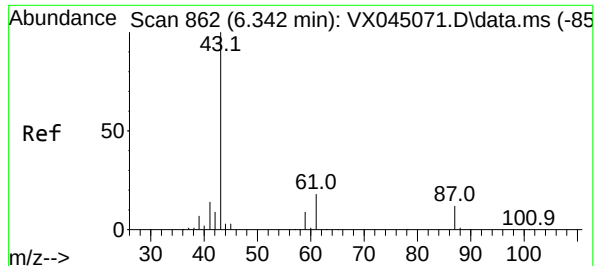
Tgt Ion: 62 Resp: 98340

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# 862

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

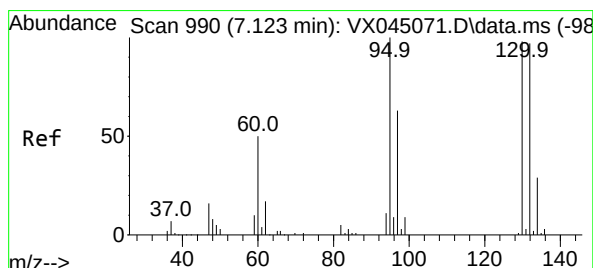
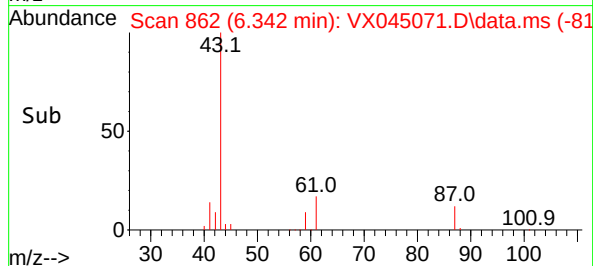
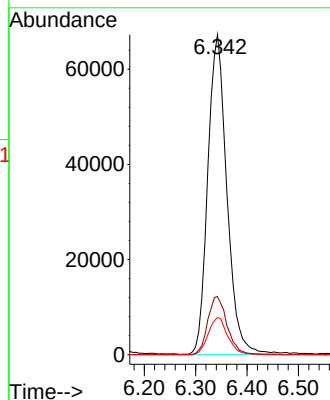
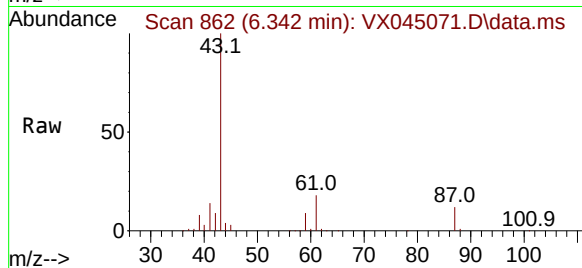
VSTDICCC050

Tgt Ion:	43	Resp:	17304
Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.9	22.3
87	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: 50.756 ug/l

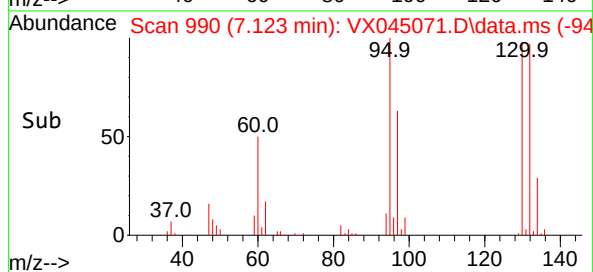
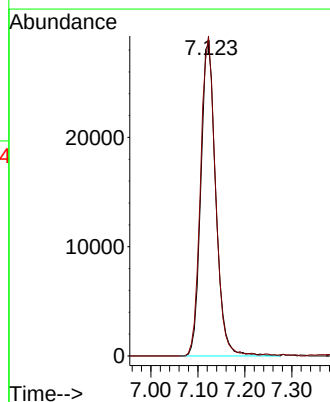
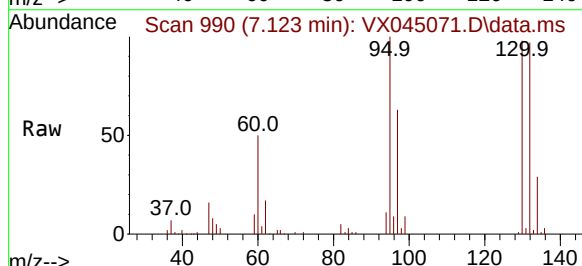
RT: 7.123 min Scan# 990

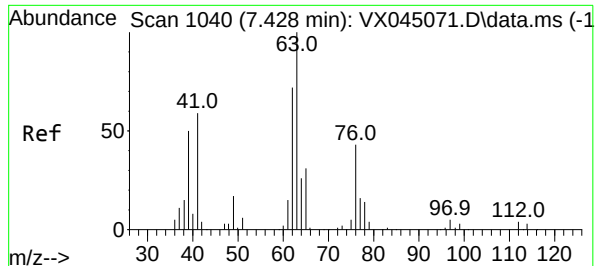
Delta R.T. 0.000 min

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

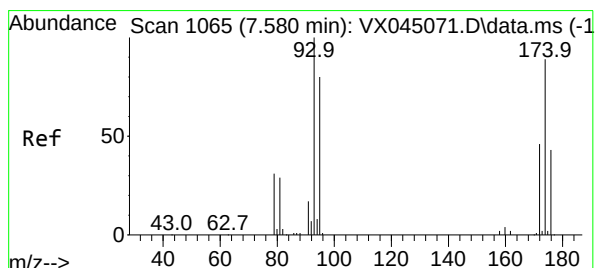
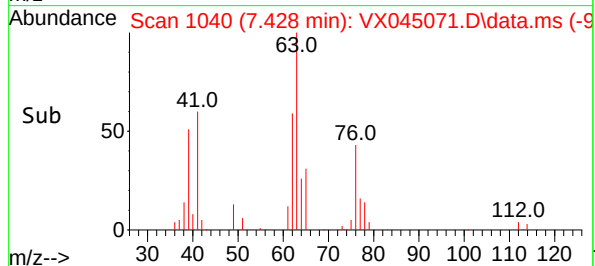
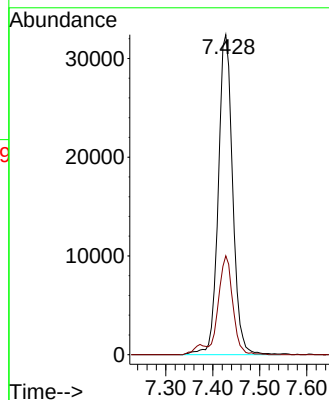
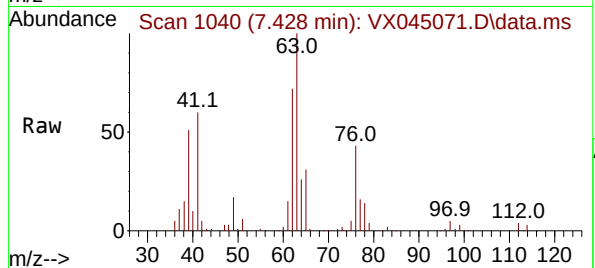
65 30.9 24.7 37.1

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

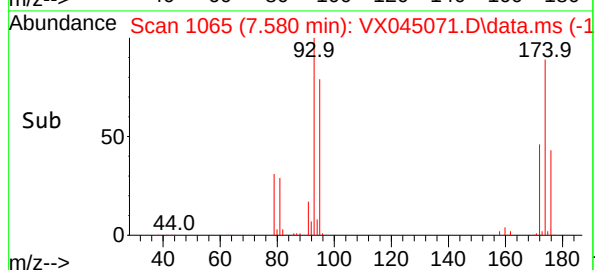
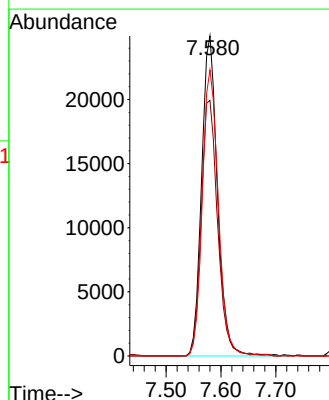
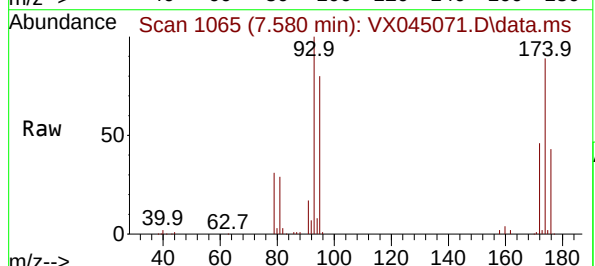
Tgt Ion: 93 Resp: 50143

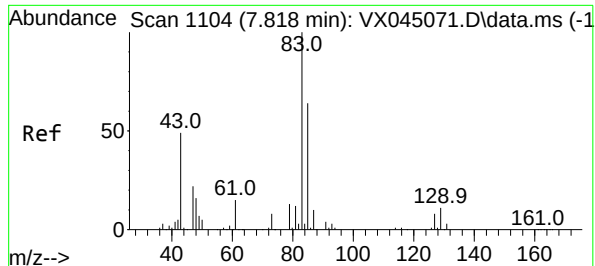
Ion Ratio Lower Upper

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 :

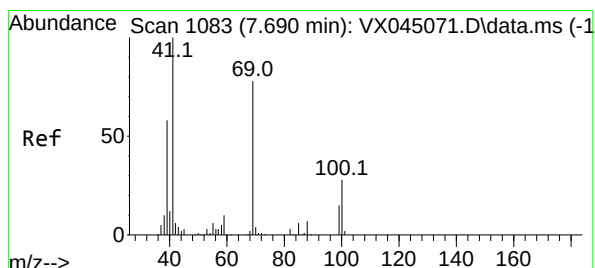
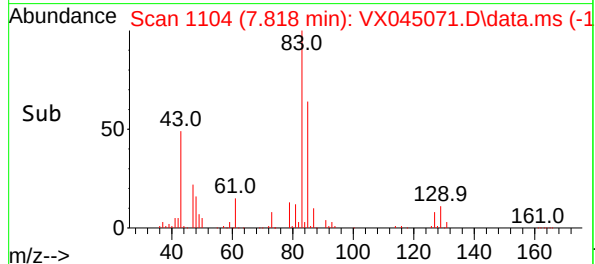
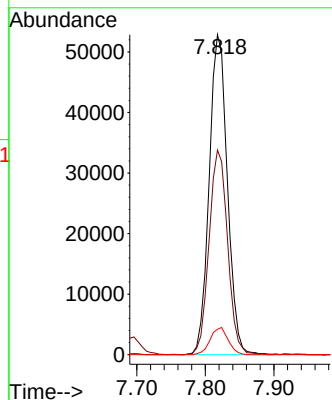
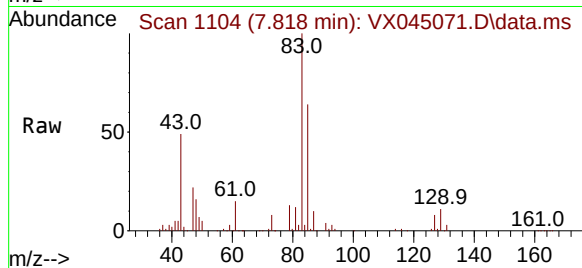
VSTDICCC050

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

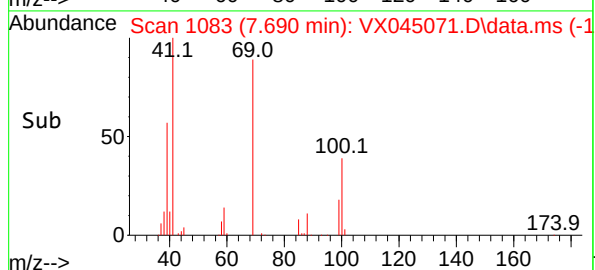
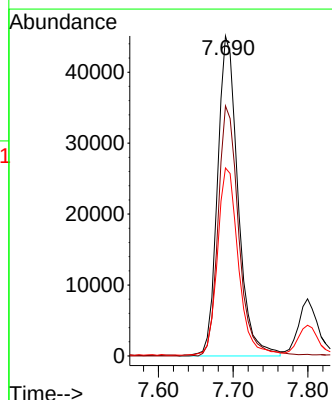
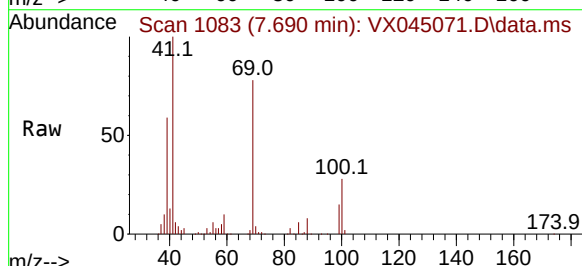
RT: 7.690 min Scan# 1083

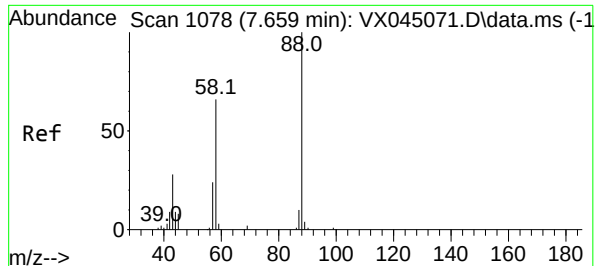
Delta R.T. 0.000 min

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 :

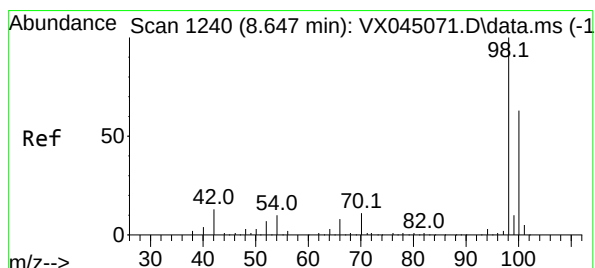
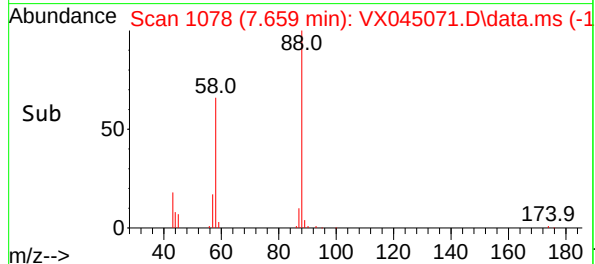
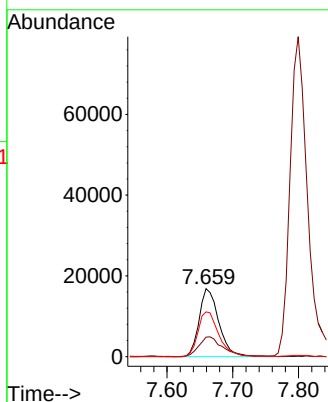
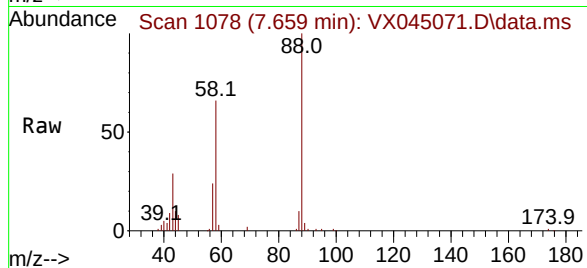
VSTDICCC050

Tgt Ion	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

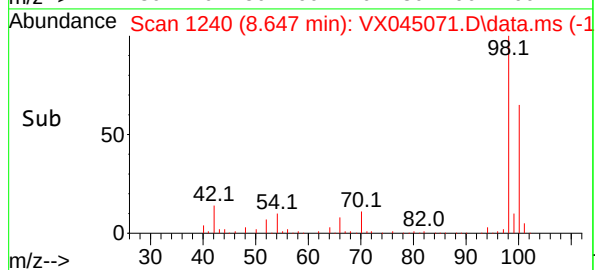
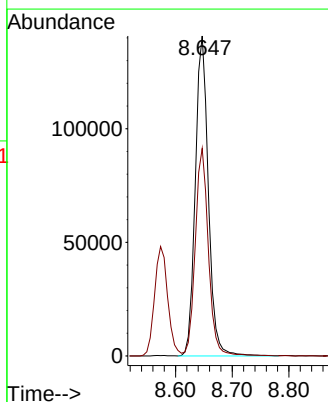
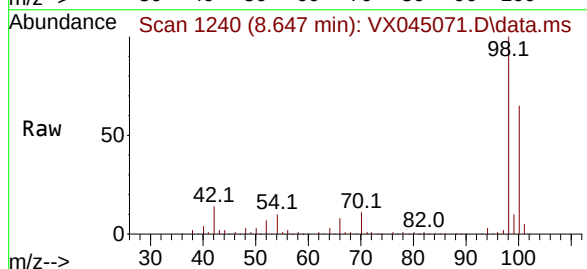
RT: 8.647 min Scan# 1240

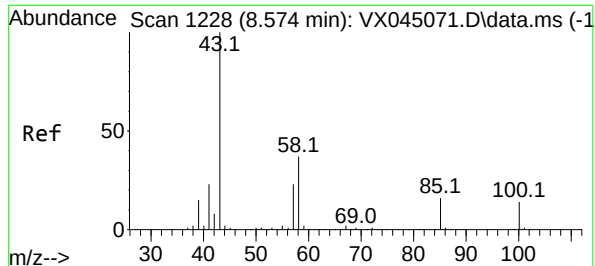
Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Tgt Ion	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

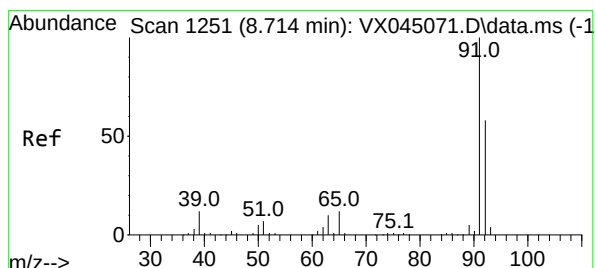
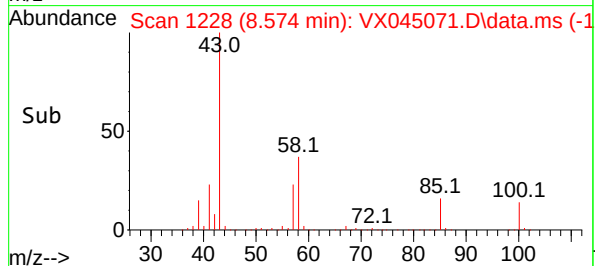
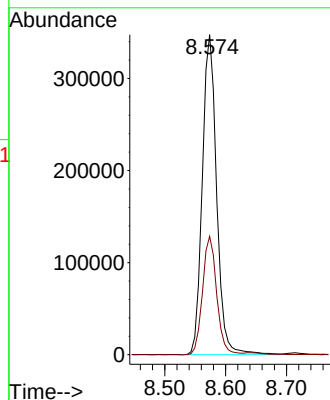
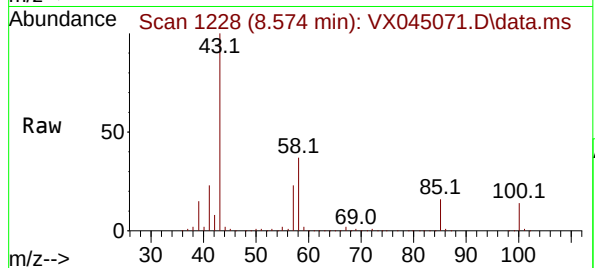
58 36.5 29.2 43.8

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

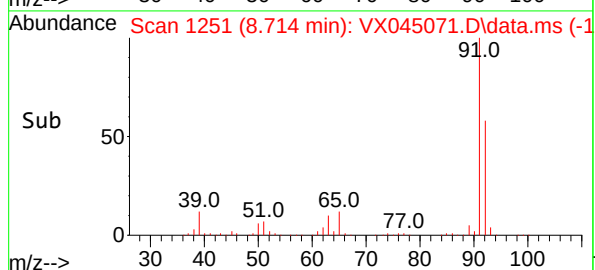
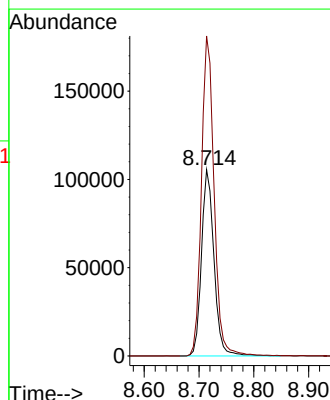
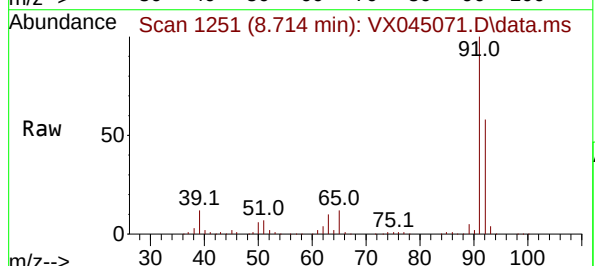
Acq: 28 Feb 2025 03:00

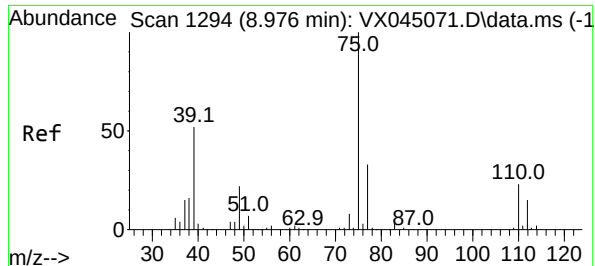
Tgt Ion: 92 Resp: 167431

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

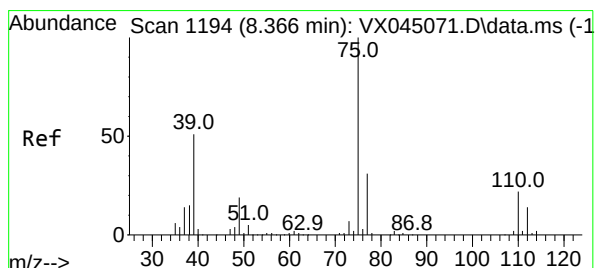
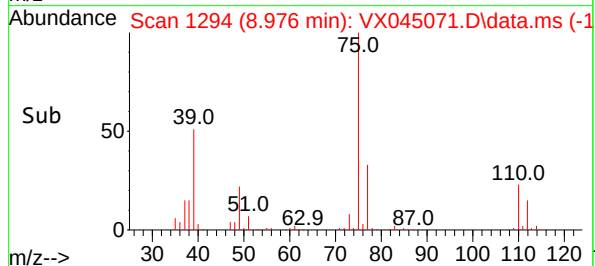
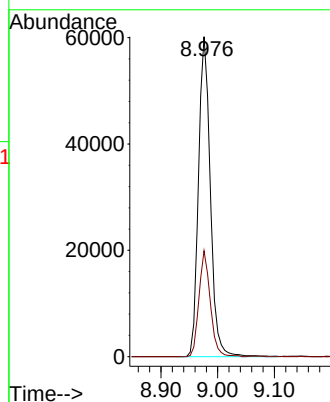
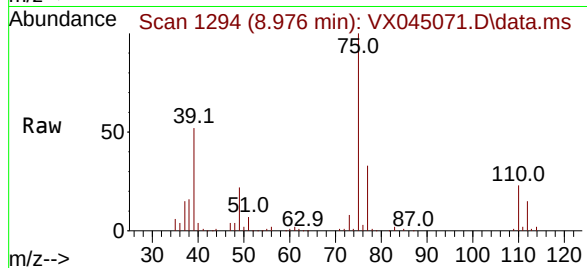
77 33.1 26.5 39.7

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

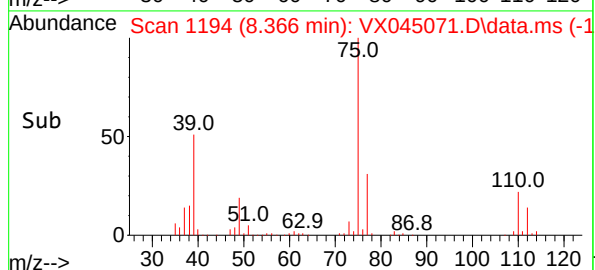
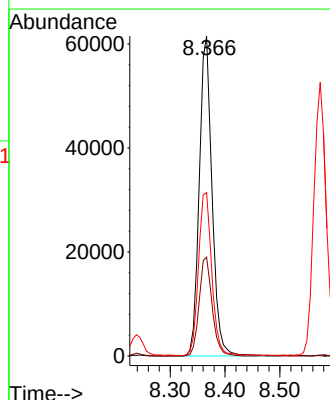
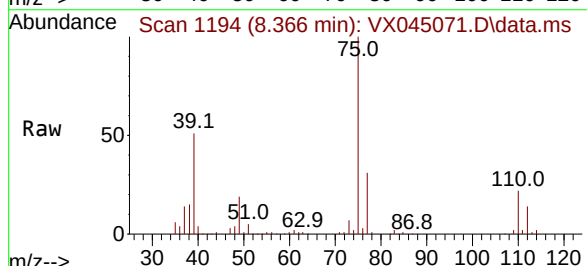
Tgt Ion: 75 Resp: 99713

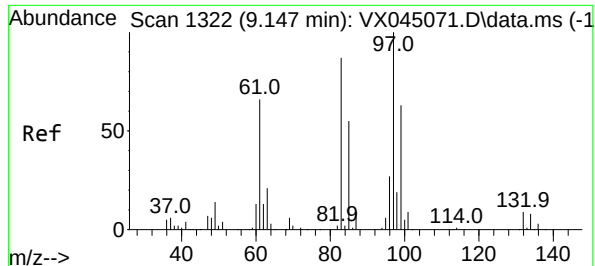
Ion Ratio Lower Upper

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

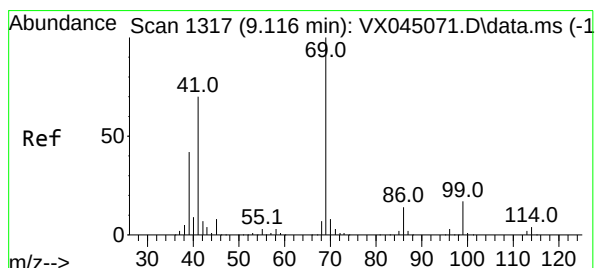
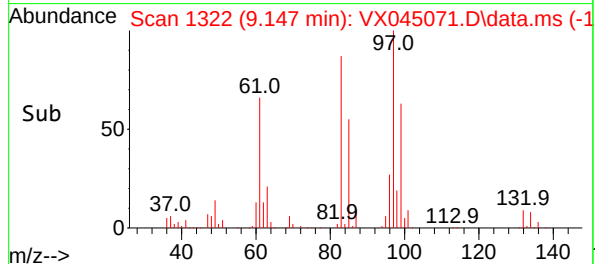
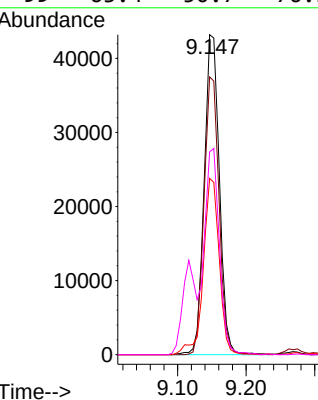
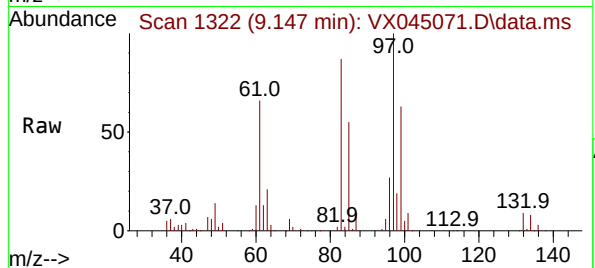
99 63.4 50.7 76.1

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

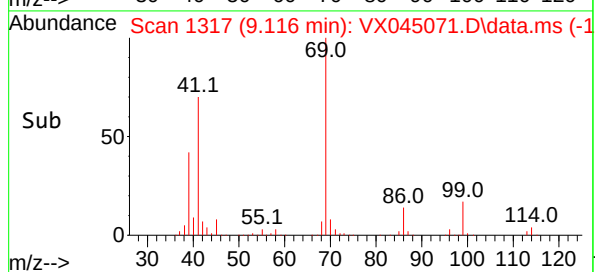
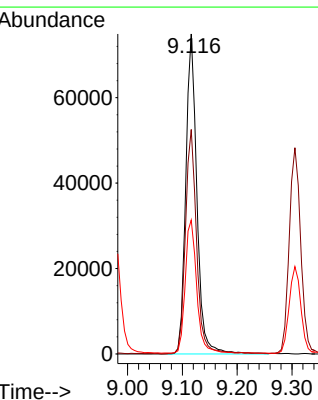
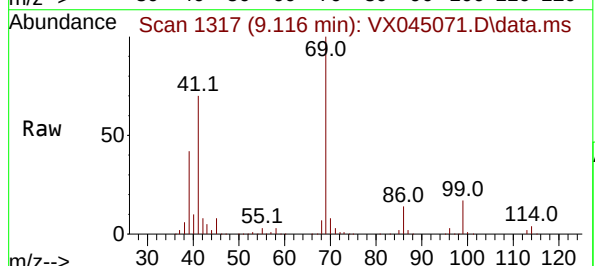
Tgt Ion: 69 Resp: 106157

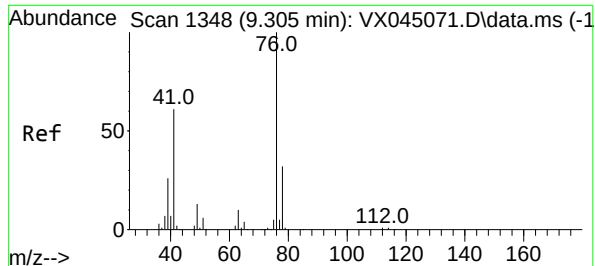
Ion Ratio Lower Upper

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

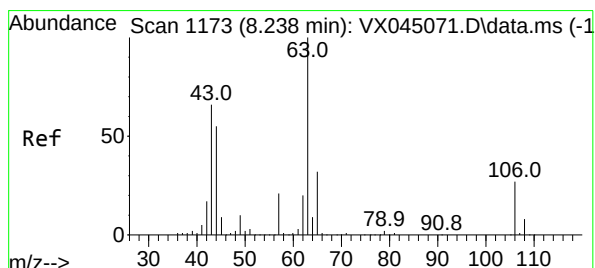
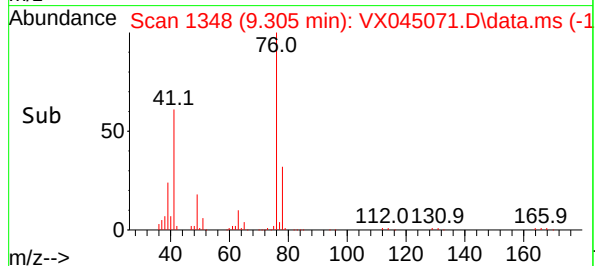
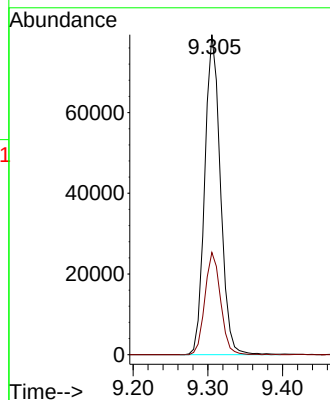
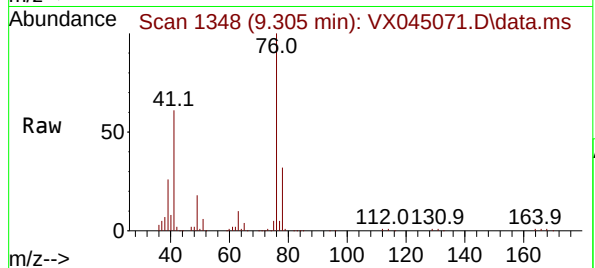
78 31.9 25.5 38.3

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

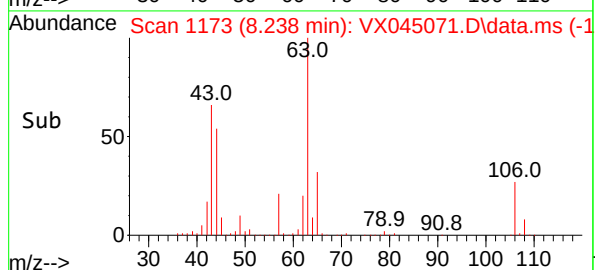
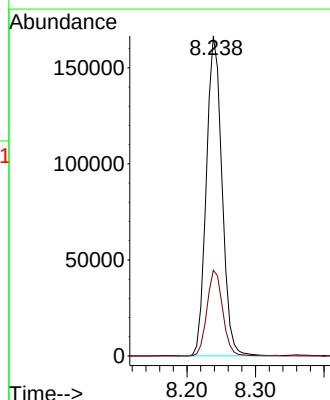
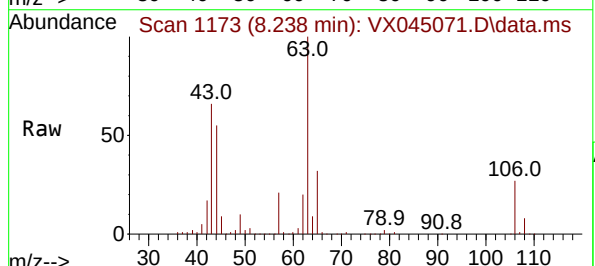
Acq: 28 Feb 2025 03:00

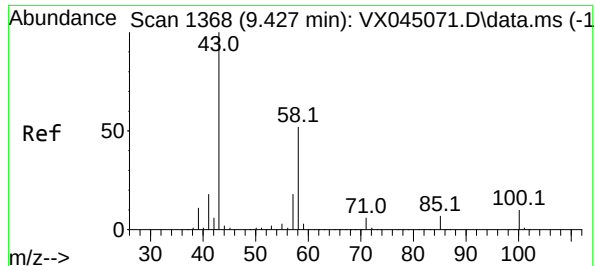
Tgt Ion: 63 Resp: 264555

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

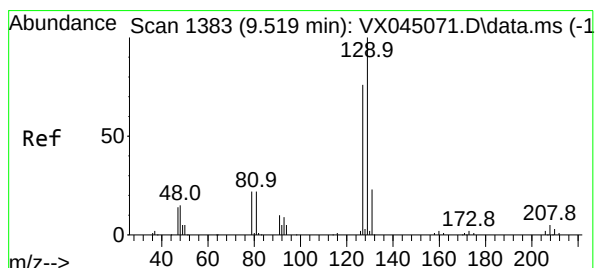
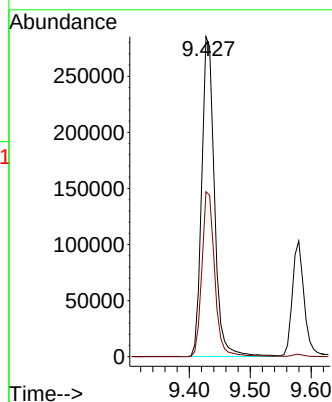
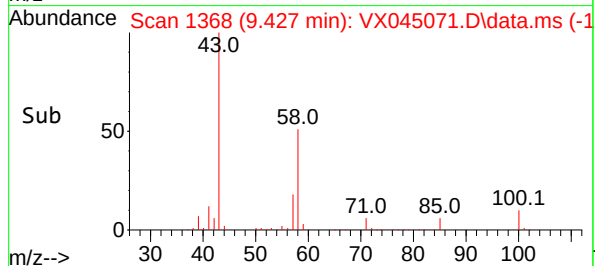
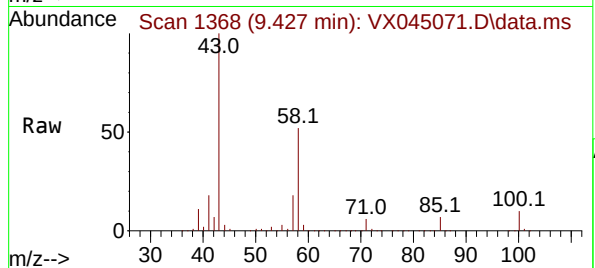
58 51.7 25.9 77.6

Manual Integrations

APPROVED

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

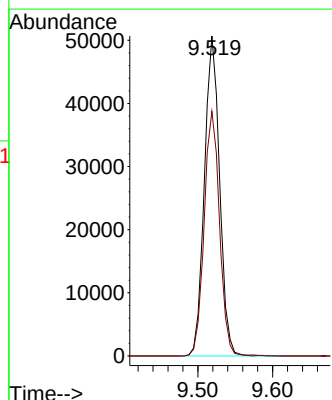
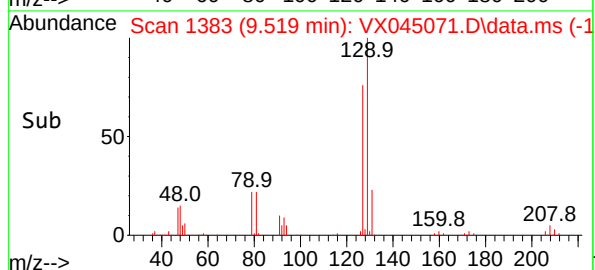
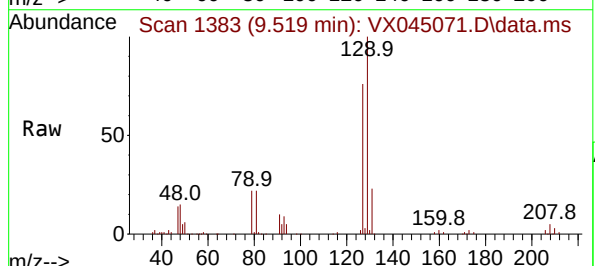
Acq: 28 Feb 2025 03:00

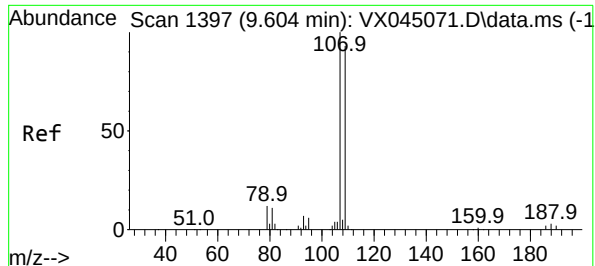
Tgt Ion:129 Resp: 71569

Ion Ratio Lower Upper

129 100

127 77.0 38.5 115.5





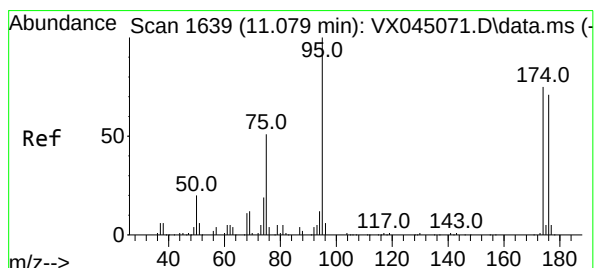
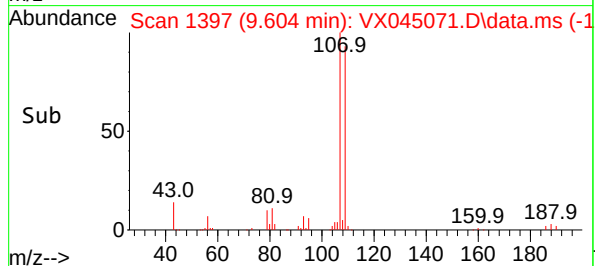
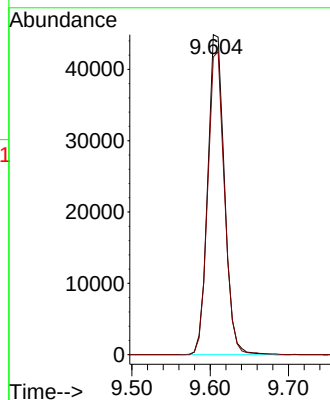
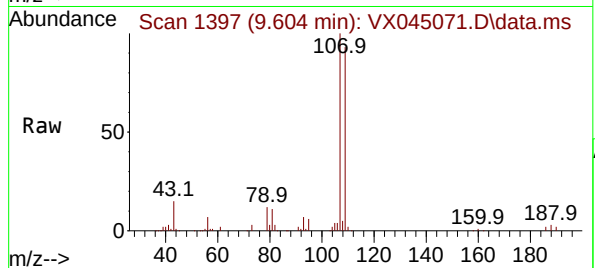
#61
1,2-Dibromoethane
Concen: 52.217 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 66312
Ion Ratio Lower Upper
107 100
109 95.1 76.1 114.1

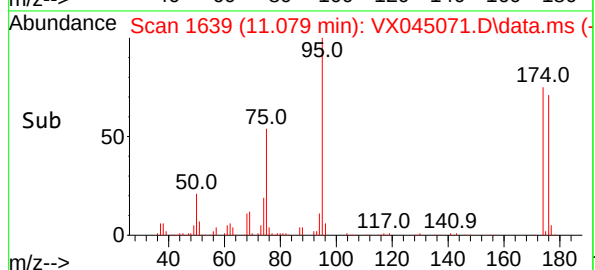
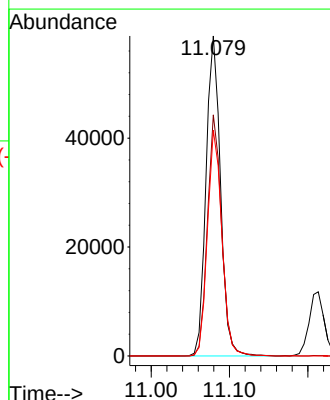
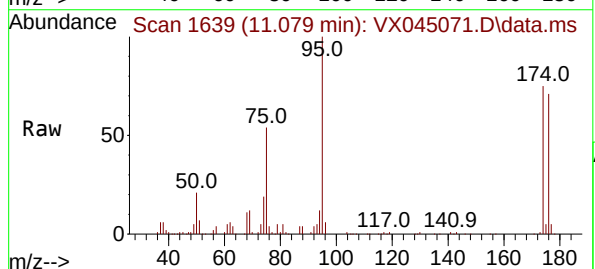
Manual Integrations
APPROVED

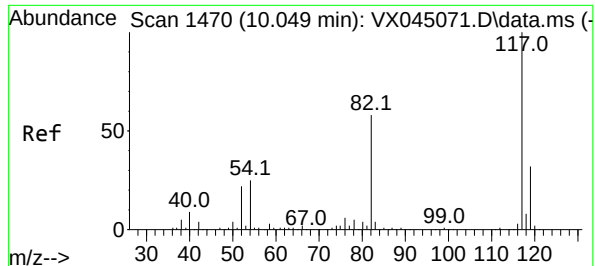
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

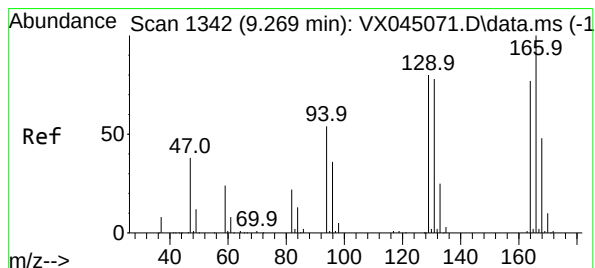
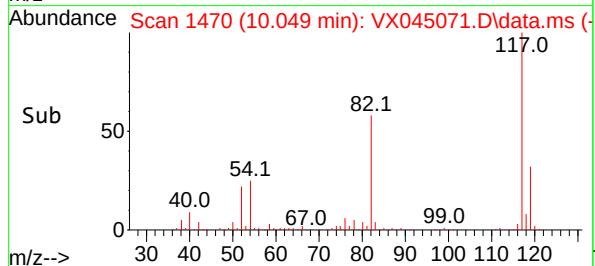
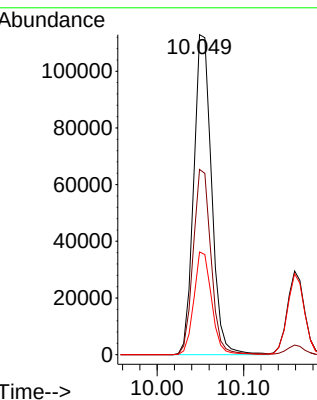
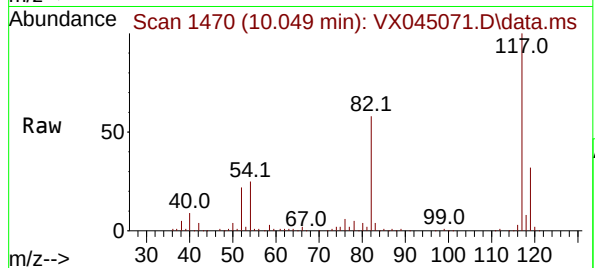
119 32.1 25.7 38.5

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

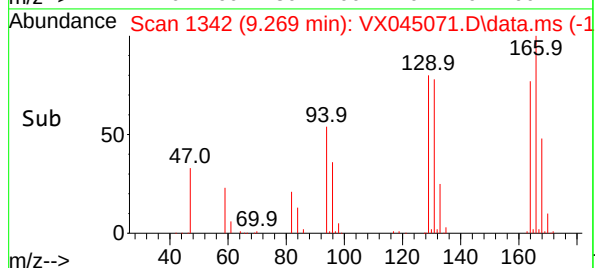
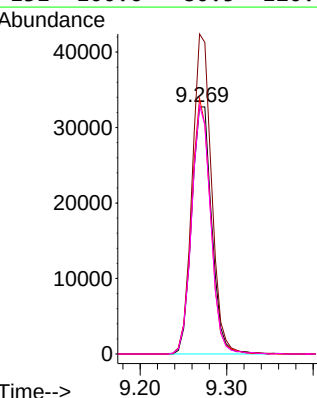
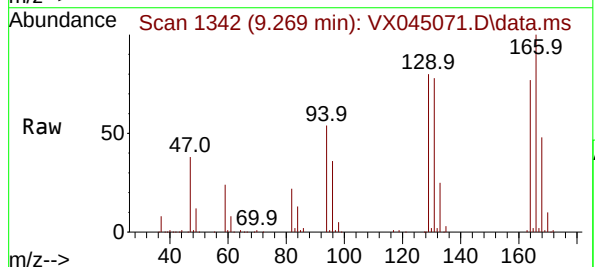
Ion Ratio Lower Upper

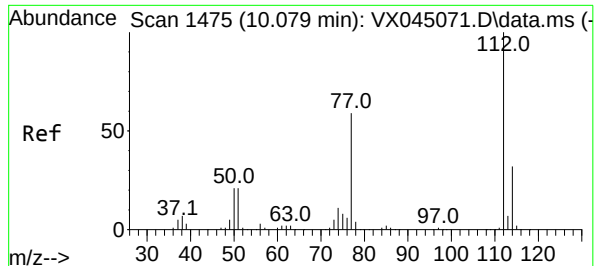
164 100

166 129.5 103.6 155.4

129 103.4 82.7 124.1

131 100.6 80.5 120.7





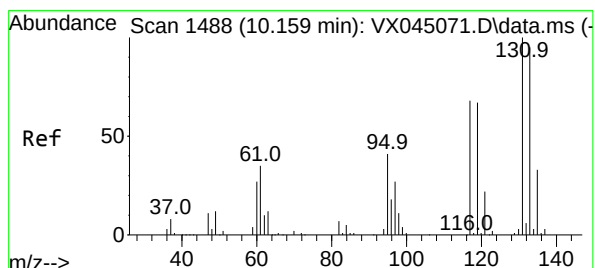
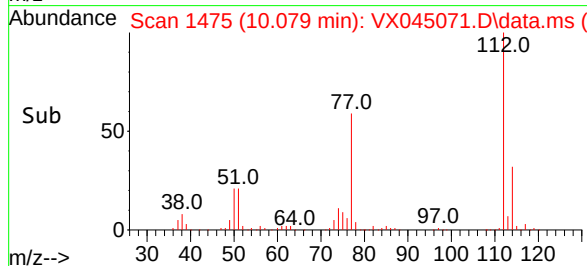
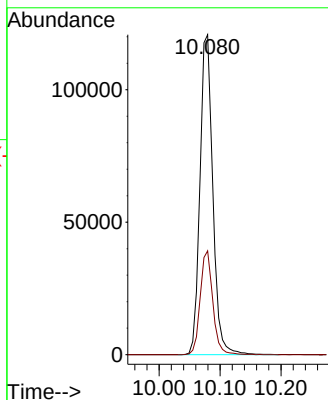
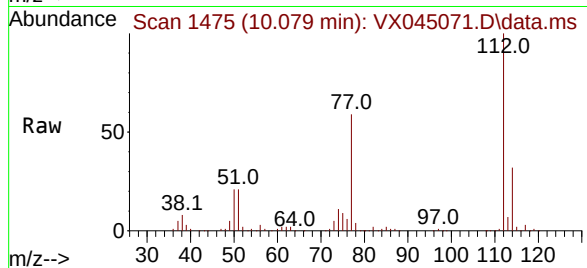
#65
Chlorobenzene
Concen: 50.853 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 17692
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0

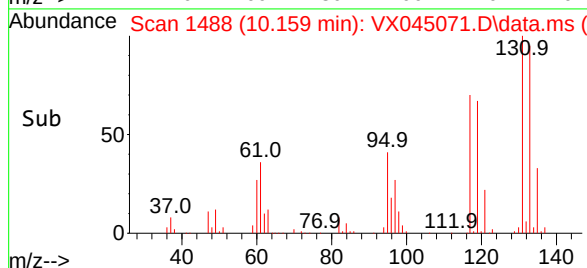
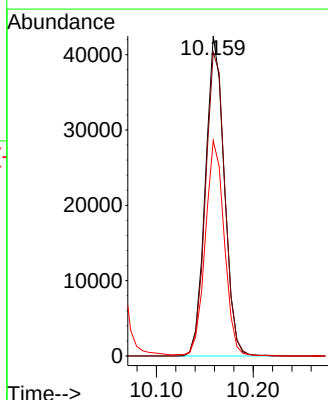
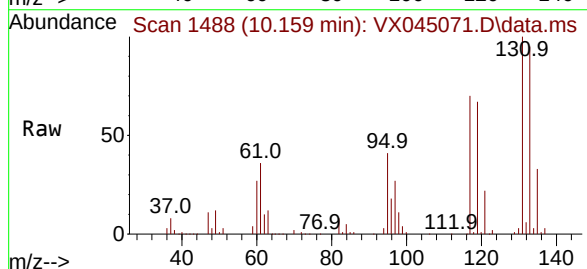
Manual Integrations
APPROVED

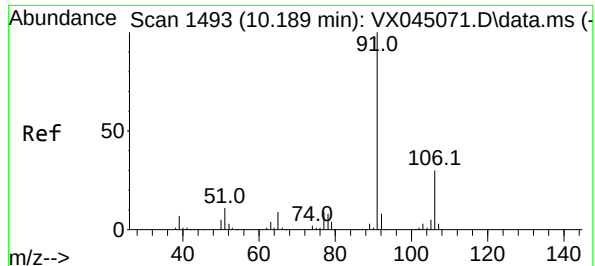
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

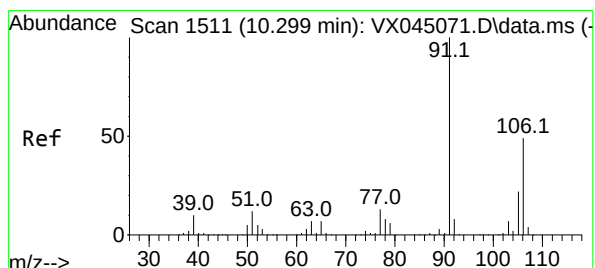
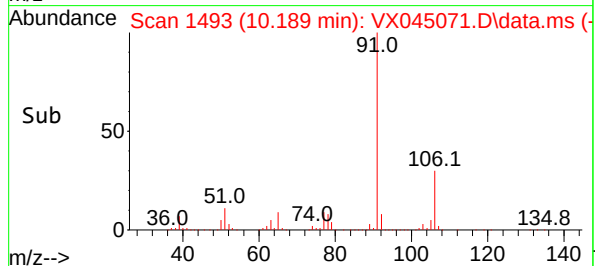
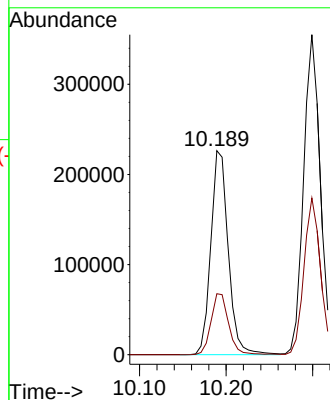
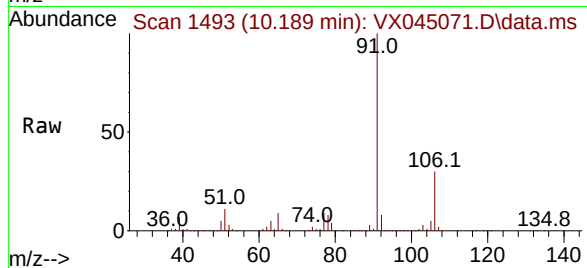
106 29.9 23.9 35.9

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

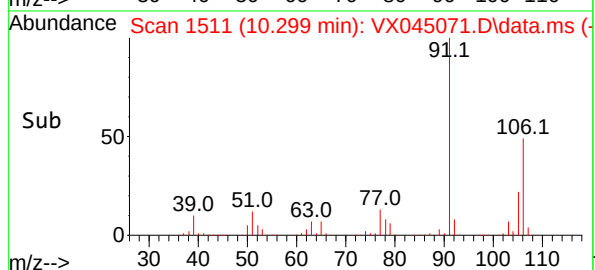
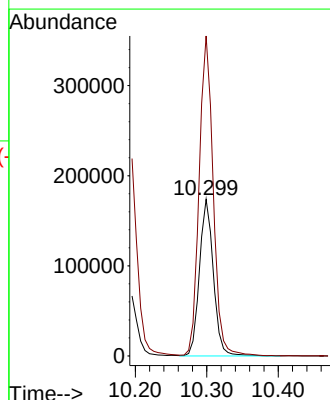
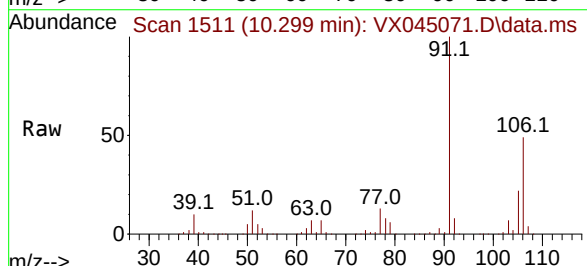
Acq: 28 Feb 2025 03:00

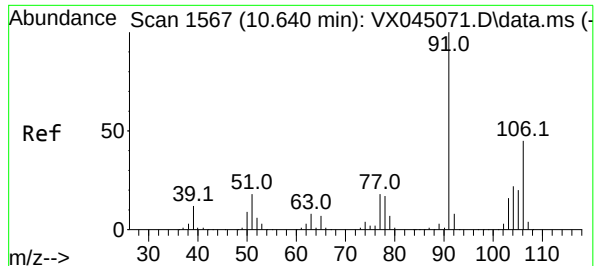
Tgt Ion:106 Resp: 234554

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

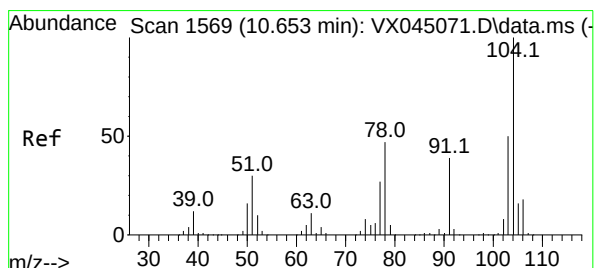
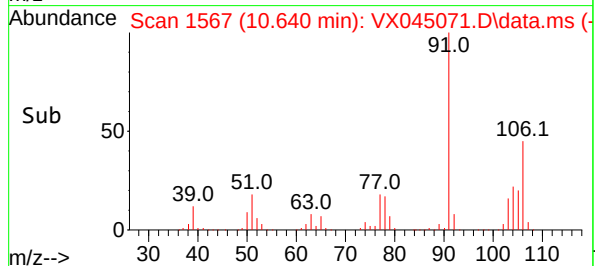
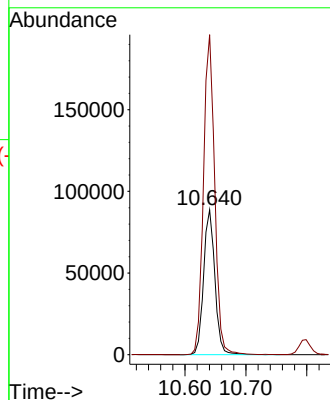
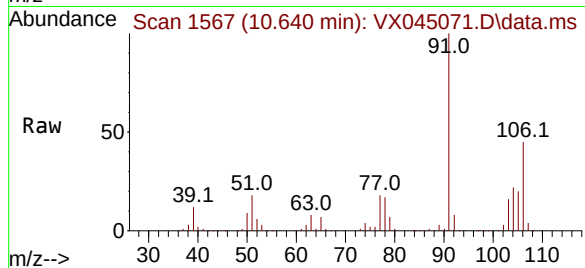
91 219.7 109.9 329.6

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

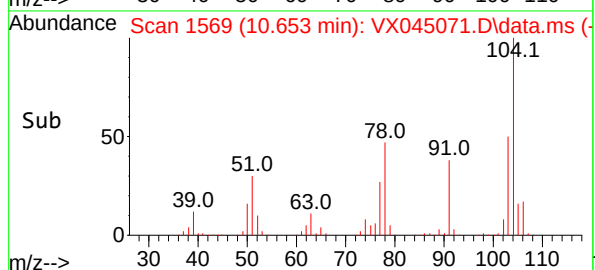
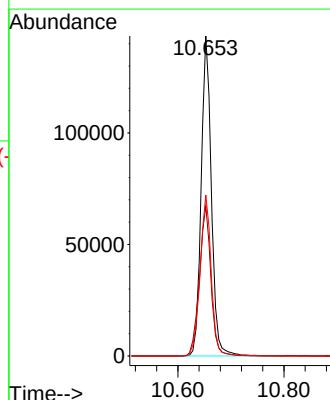
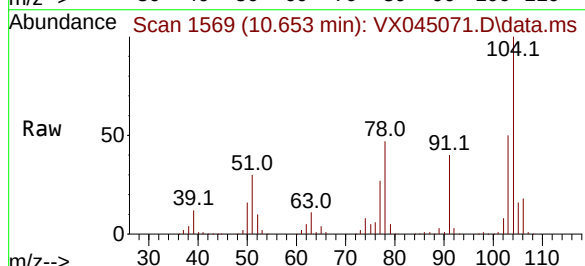
Tgt Ion:104 Resp: 191406

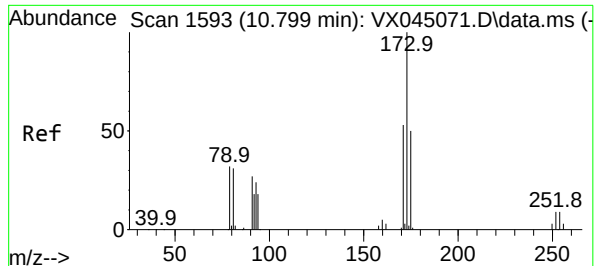
Ion Ratio Lower Upper

104 100

78 52.8 42.2 63.4

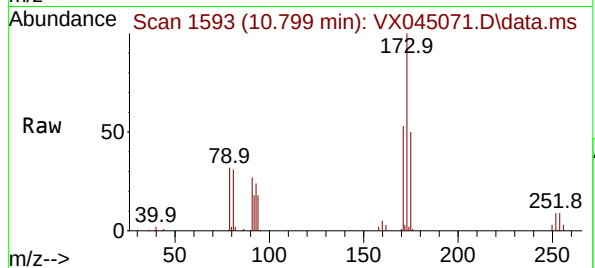
103 54.8 43.8 65.8





#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

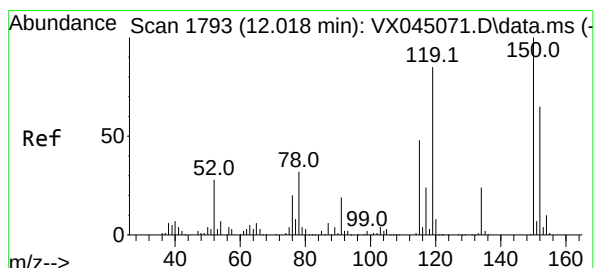
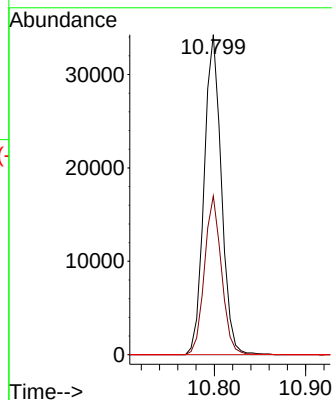
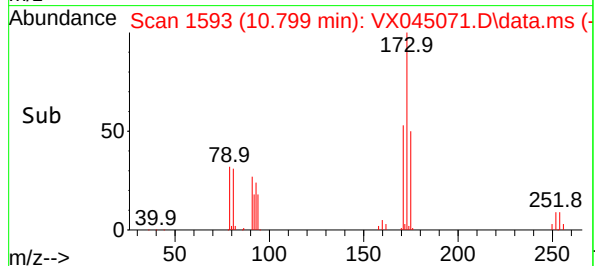
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



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

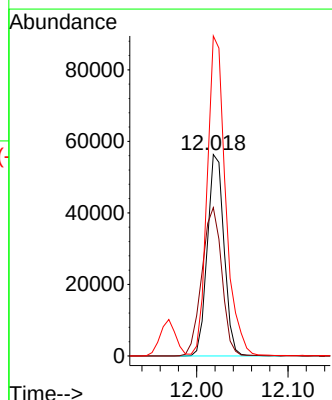
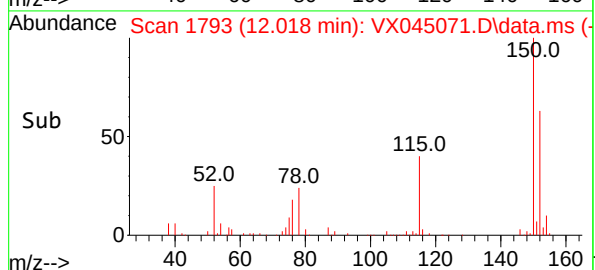
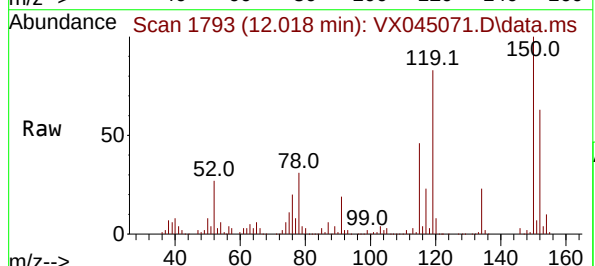
Manual Integrations
APPROVED

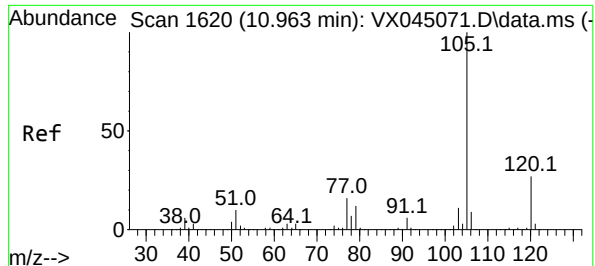
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





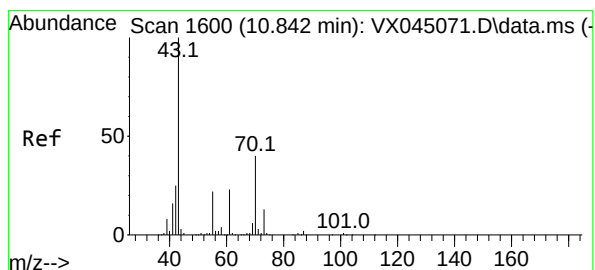
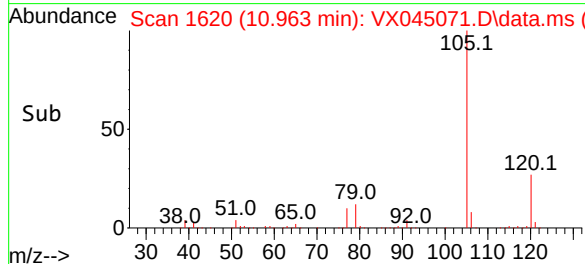
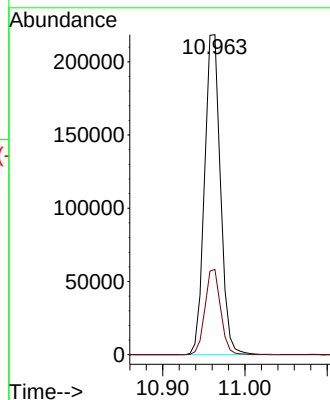
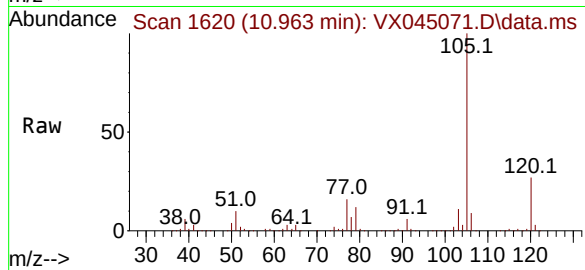
#73
Isopropylbenzene
Concen: 51.167 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 294694
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5

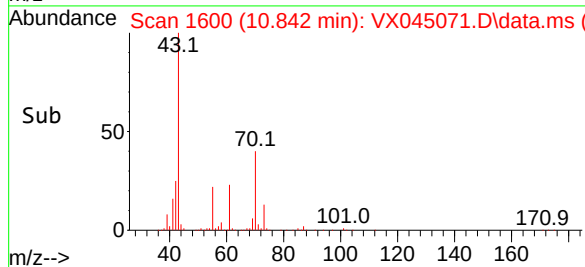
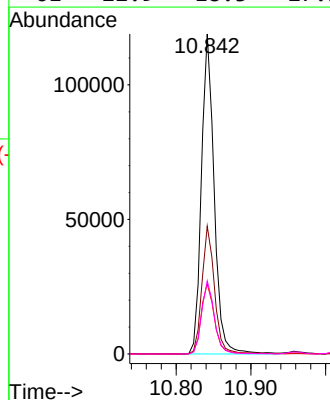
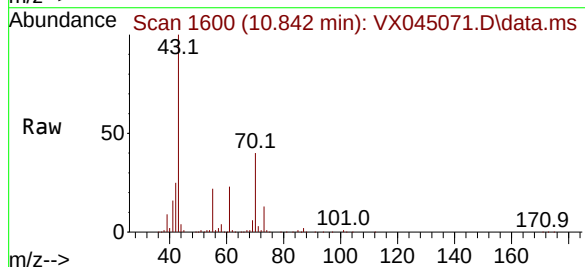
Manual Integrations
APPROVED

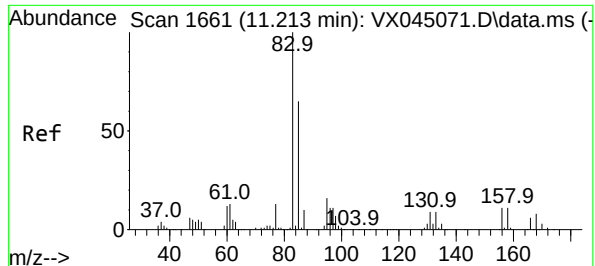
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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 :

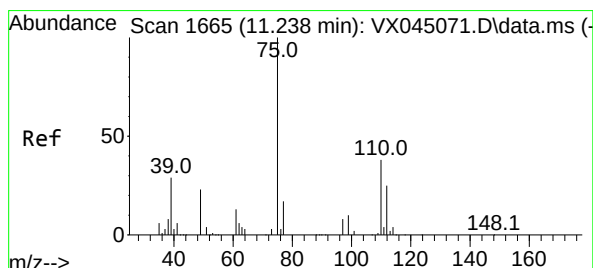
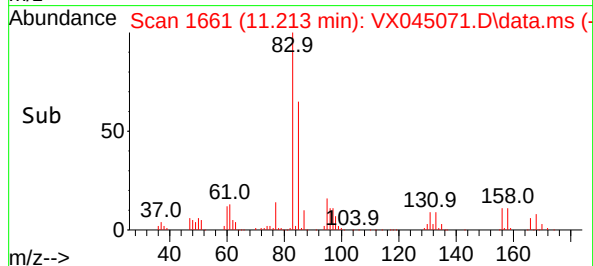
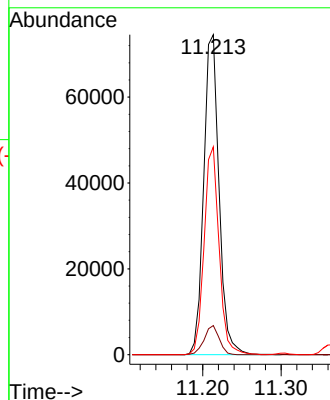
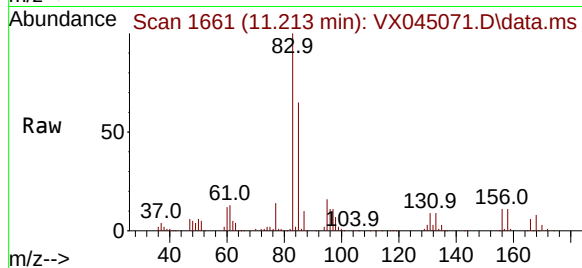
VSTDICCC050

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

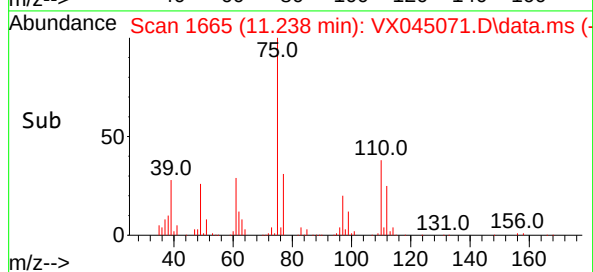
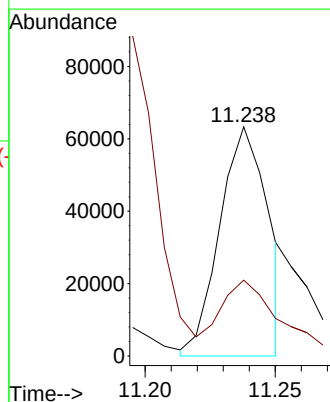
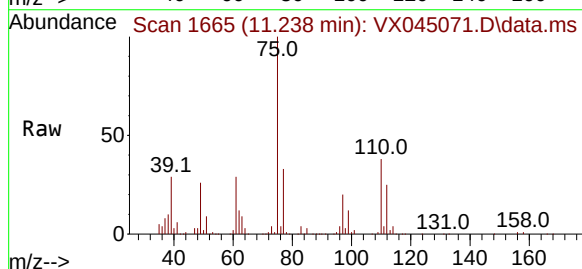
RT: 11.238 min Scan# 1665

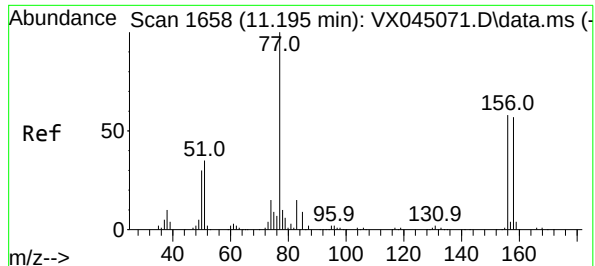
Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

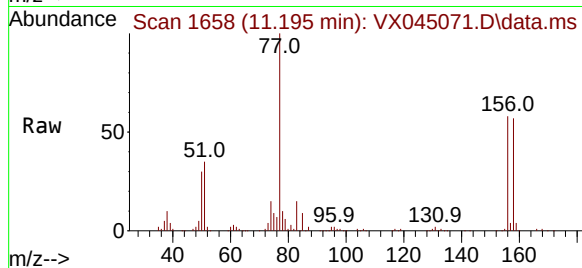
Tgt Ion: 75 Resp: 81743
Ion Ratio Lower Upper
75 100
77 41.4 20.7 62.1





#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

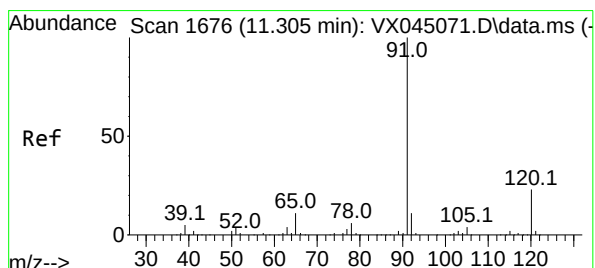
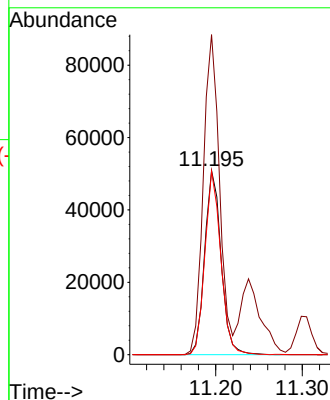
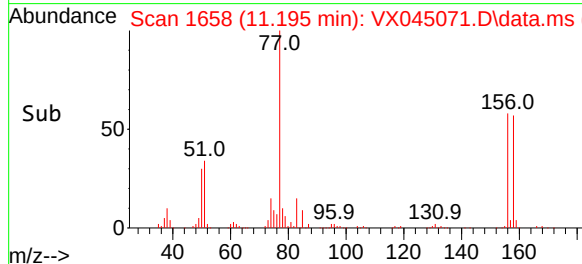
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



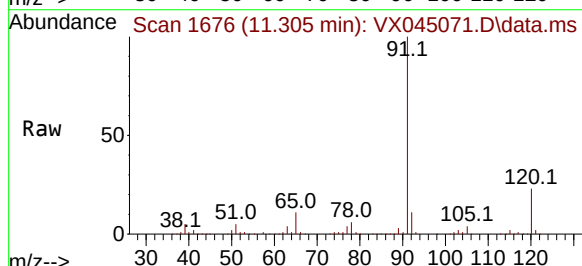
Tgt Ion: 156 Resp: 66904
Ion Ratio Lower Upper
156 100
77 171.6 85.8 257.4
158 96.8 48.4 145.2

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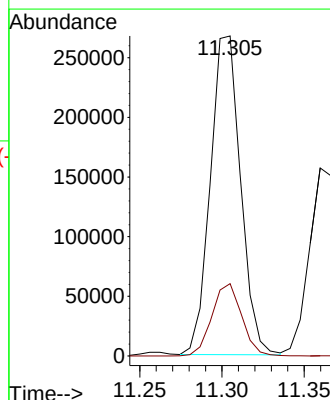
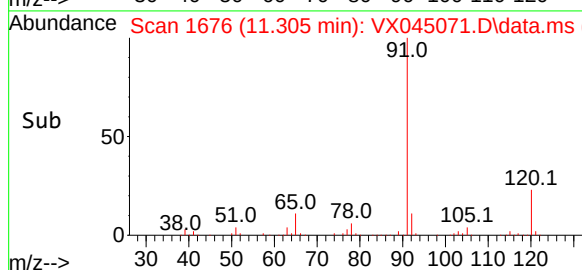
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

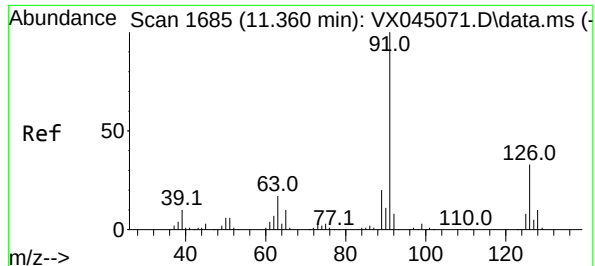


#78
n-propylbenzene
Concen: 51.546 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00



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# 1685

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

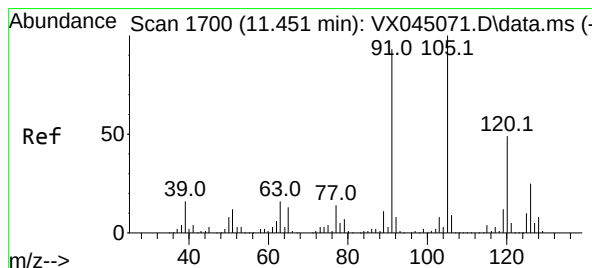
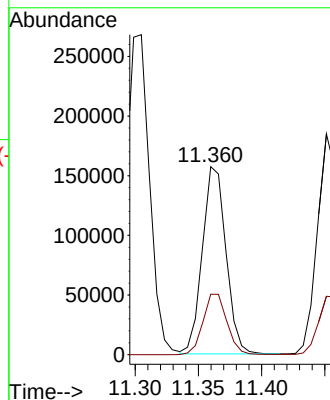
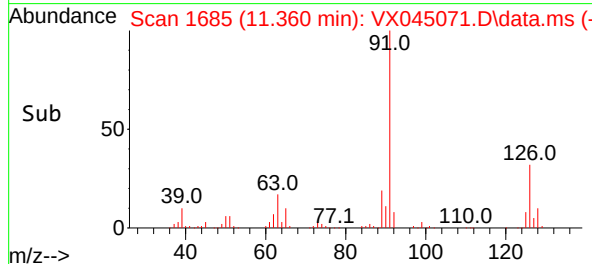
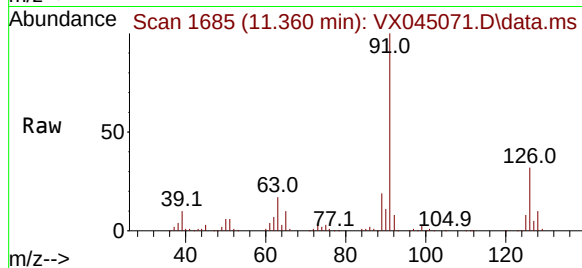
126 32.9 16.4 49.4

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

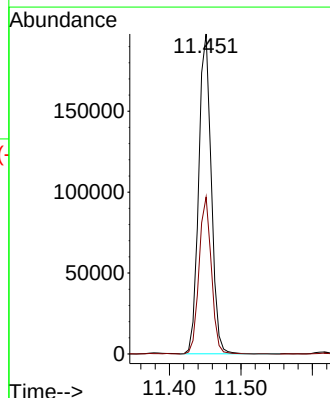
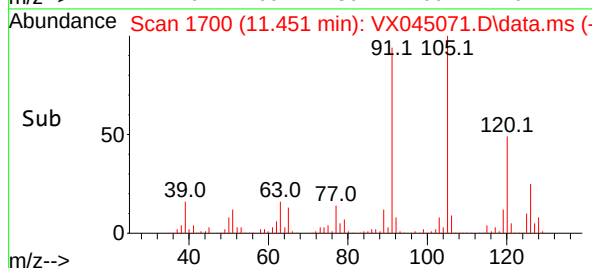
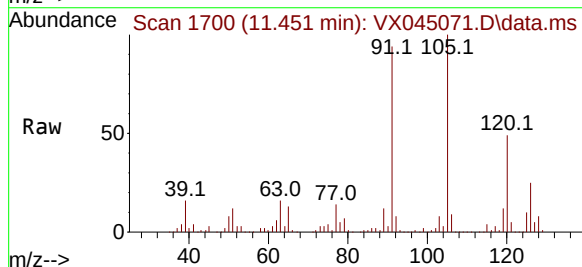
Acq: 28 Feb 2025 03:00

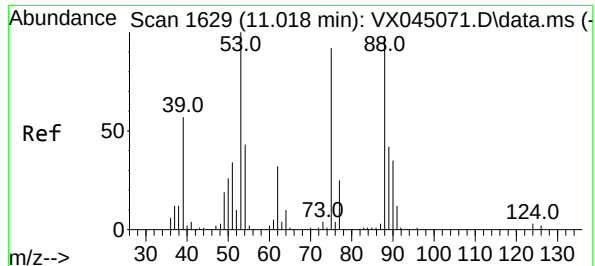
Tgt Ion:105 Resp: 241129

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.2





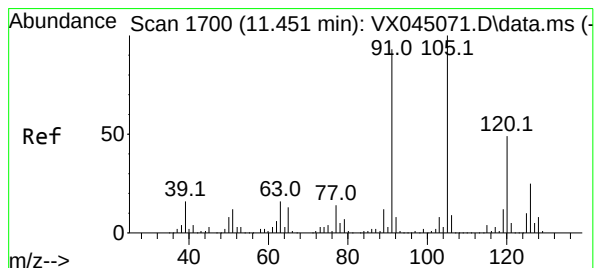
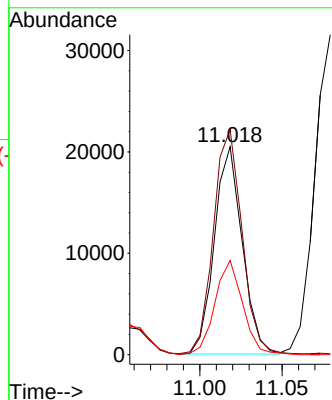
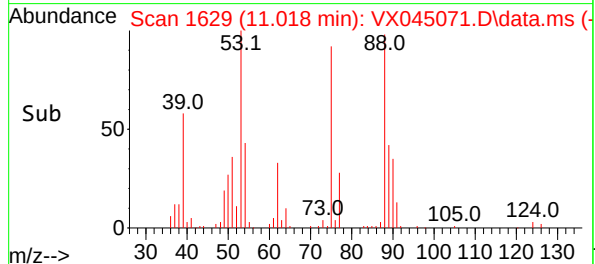
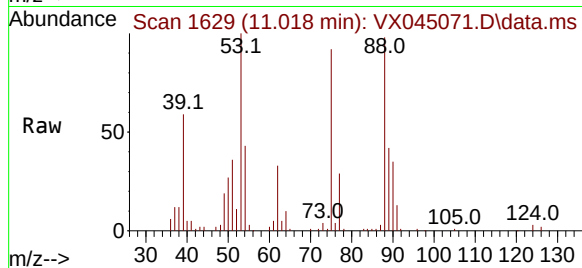
#81
trans-1,4-Dichloro-2-butene
Concen: 41.172 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 2413
Ion Ratio Lower Upper
75 100
53 110.6 88.5 132.7
89 45.3 36.2 54.4

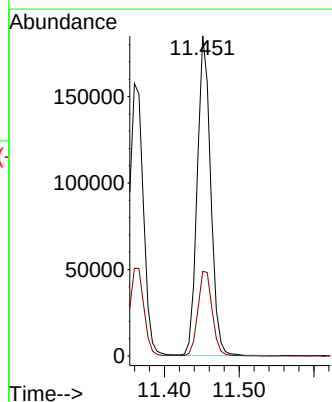
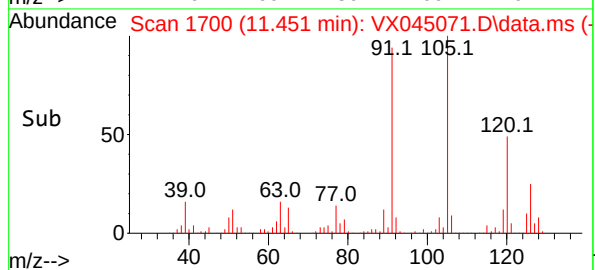
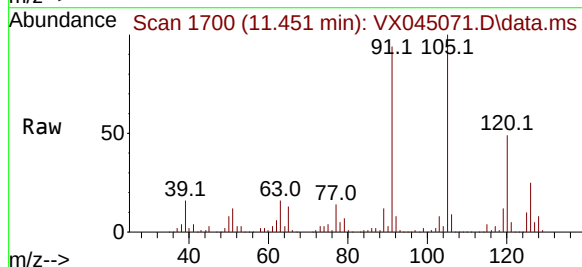
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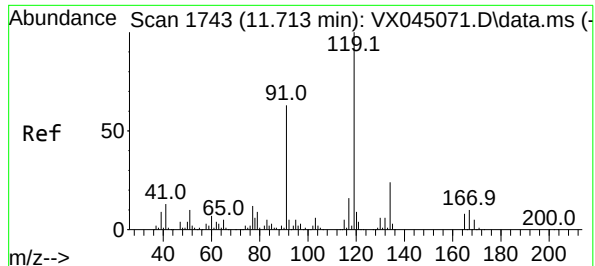
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

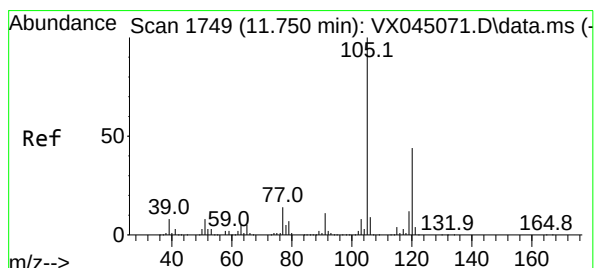
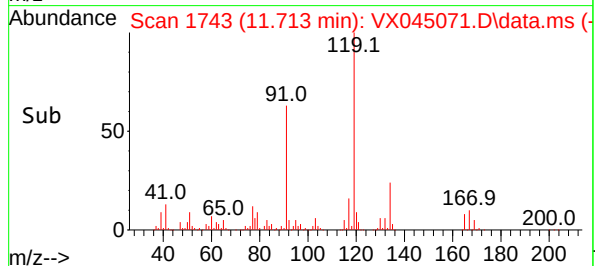
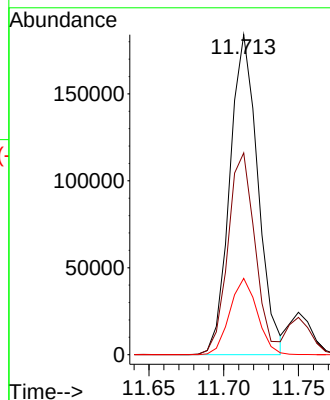
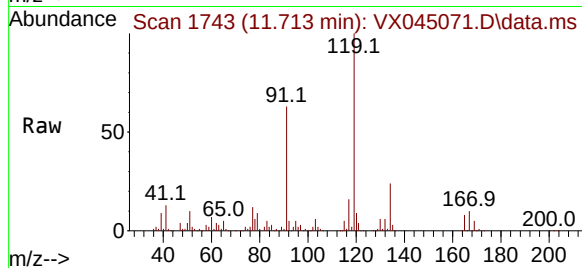
134 23.3 11.7 35.0

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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

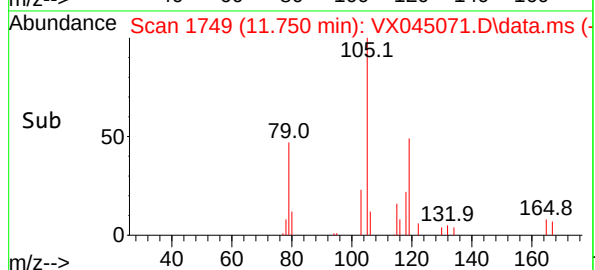
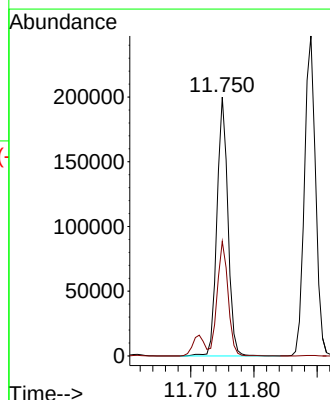
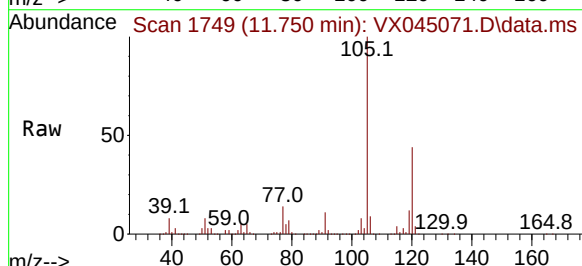
Acq: 28 Feb 2025 03:00

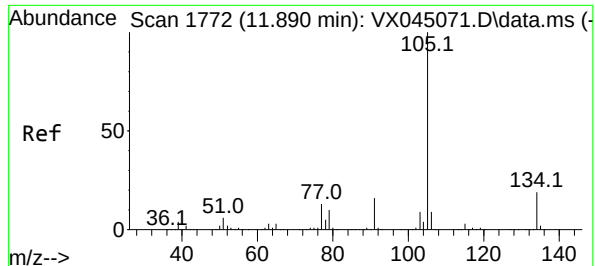
Tgt Ion:105 Resp: 240719

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

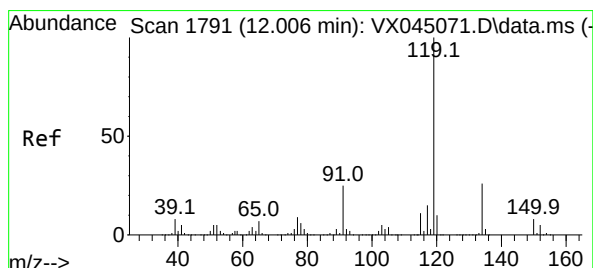
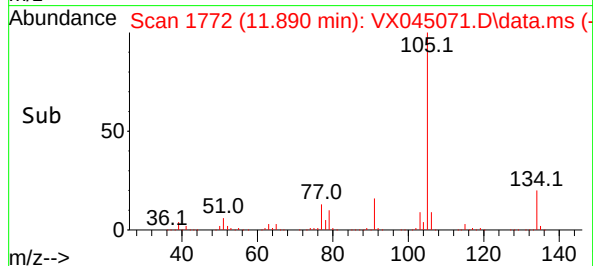
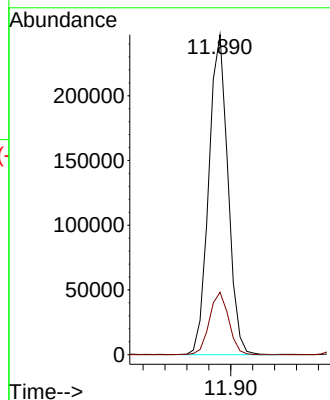
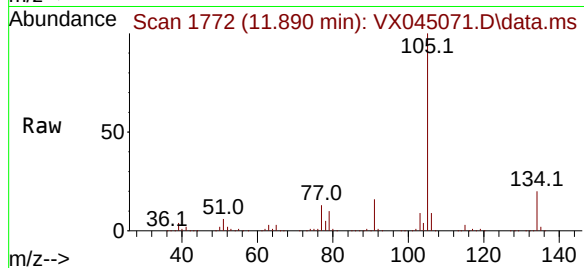
134 19.6 9.8 29.4

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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

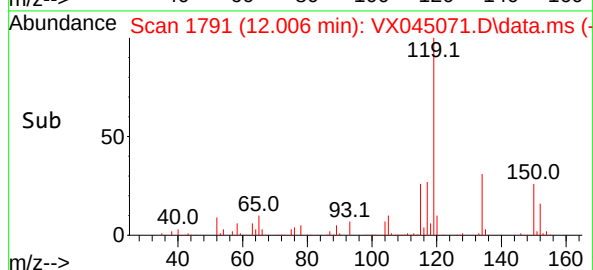
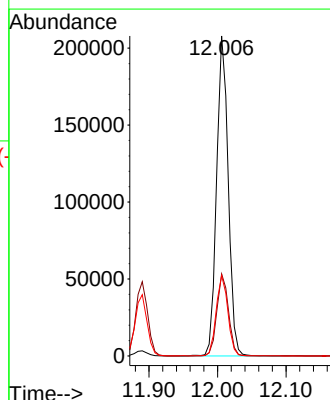
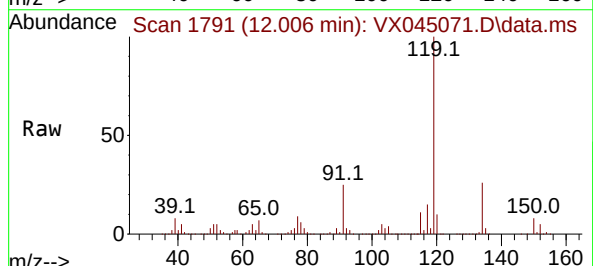
Tgt Ion:119 Resp: 244031

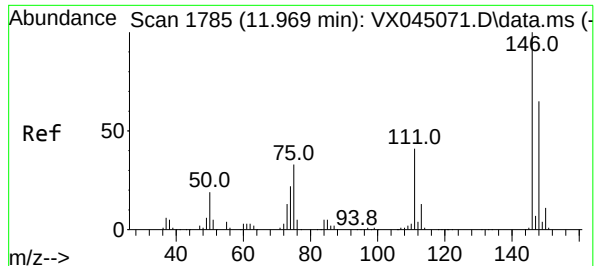
Ion Ratio Lower Upper

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

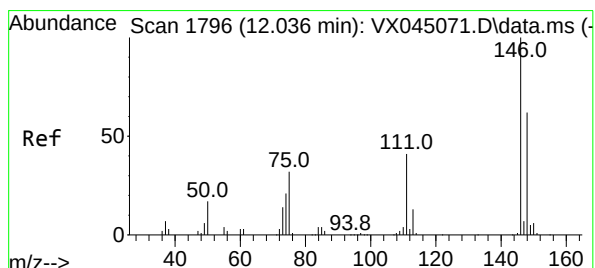
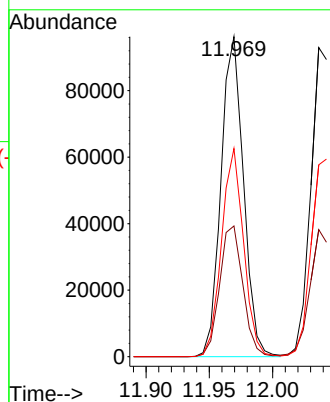
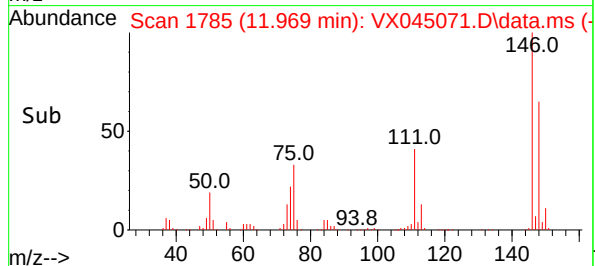
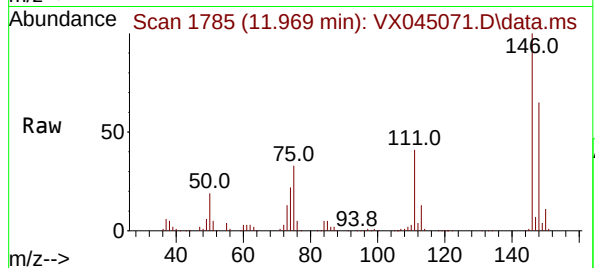
148 63.8 31.9 95.7

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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

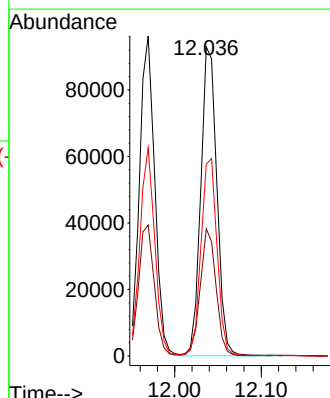
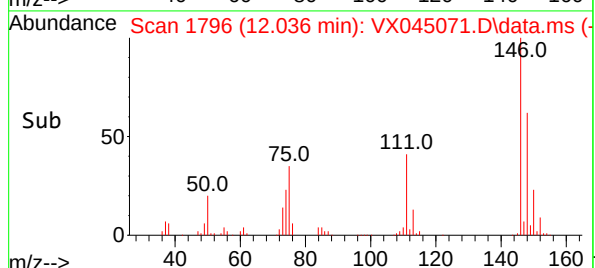
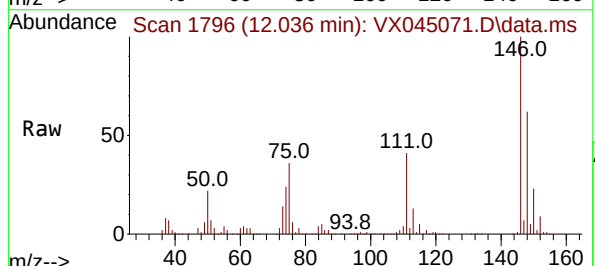
Tgt Ion:146 Resp: 120217

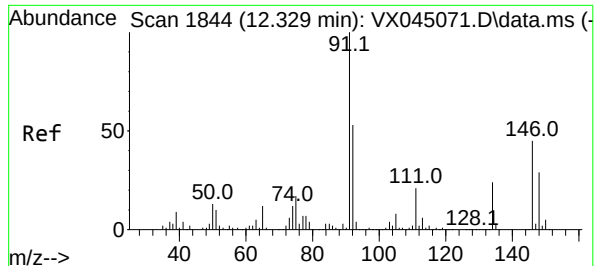
Ion Ratio Lower Upper

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

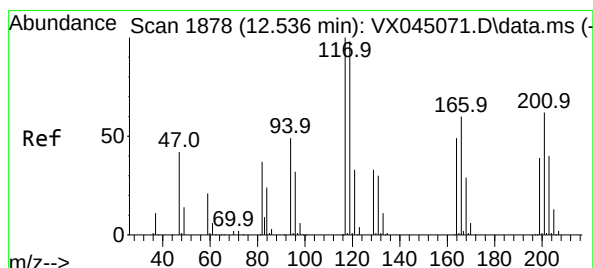
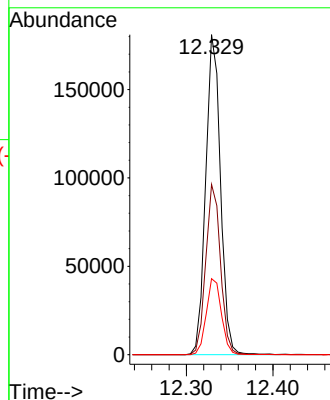
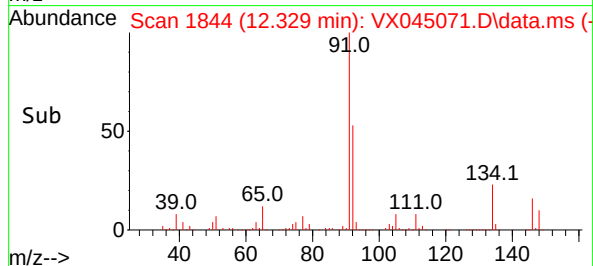
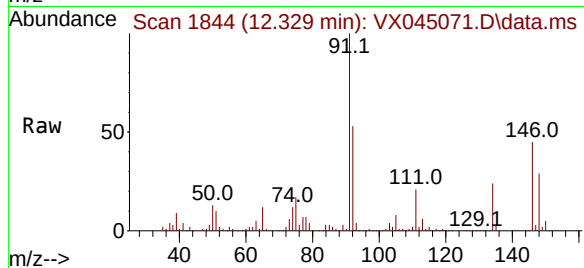
134 24.4 12.2 36.6

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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

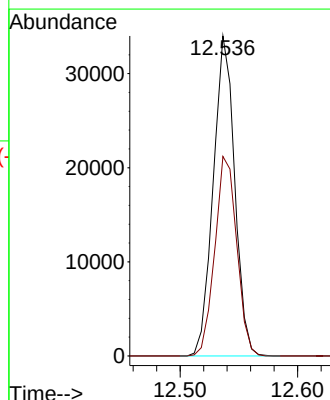
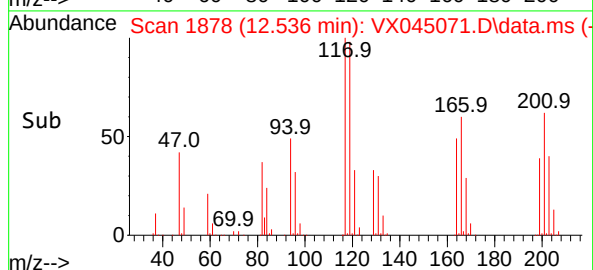
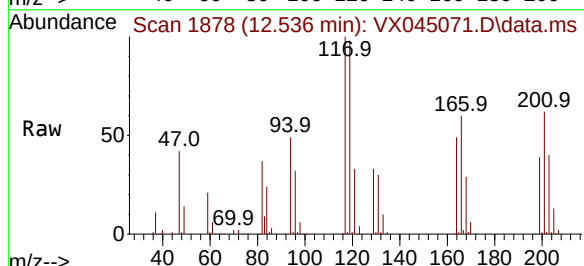
Acq: 28 Feb 2025 03:00

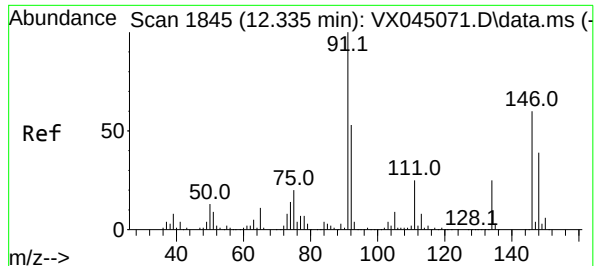
Tgt Ion:117 Resp: 43086

Ion Ratio Lower Upper

117 100

201 63.9 31.9 95.9





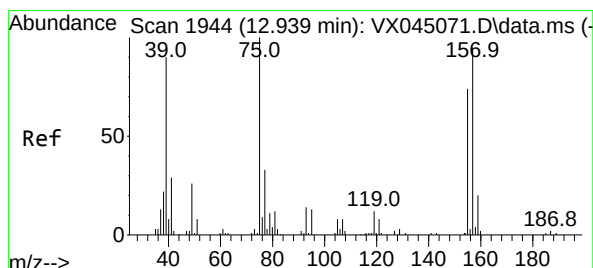
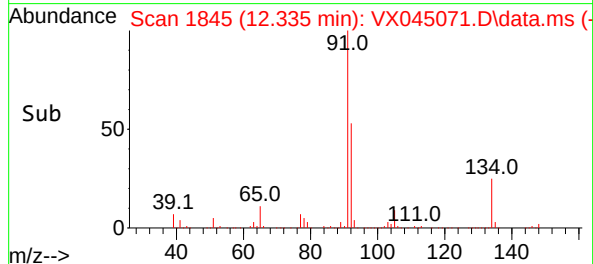
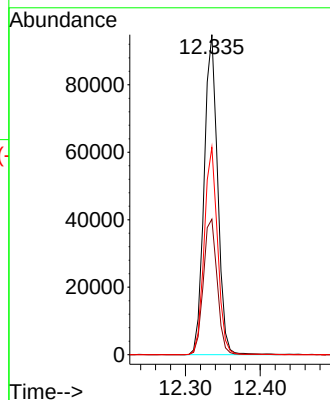
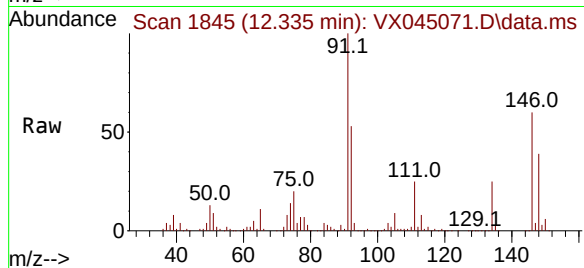
#91
1,2-Dichlorobenzene
Concen: 50.557 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

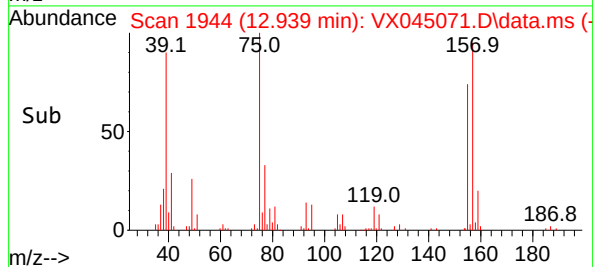
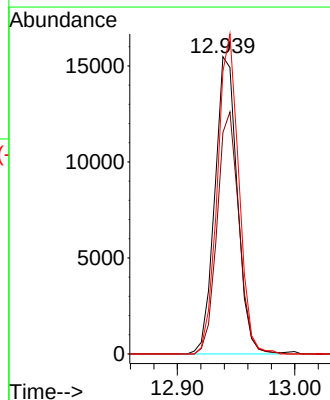
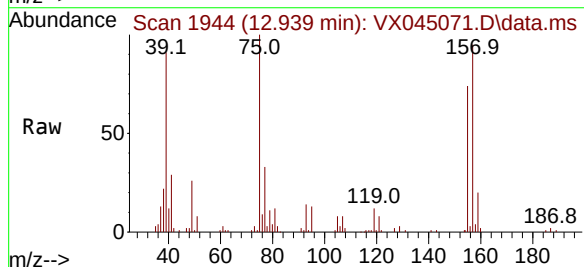
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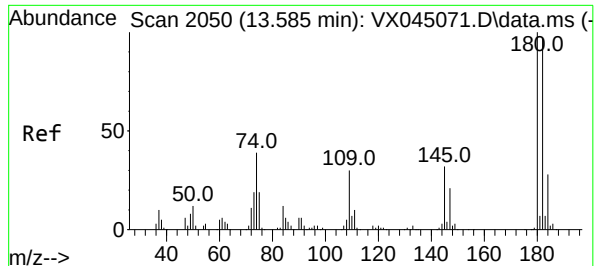
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





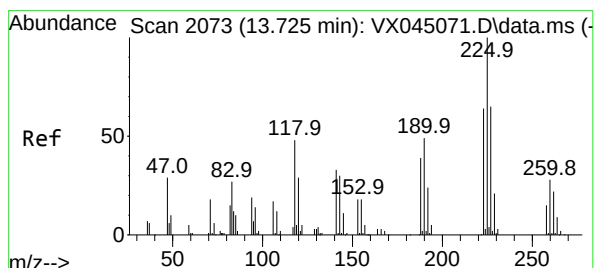
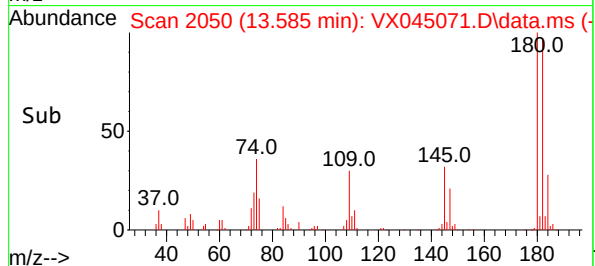
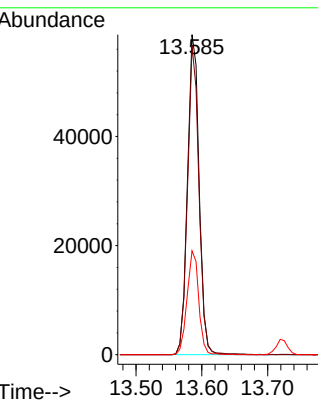
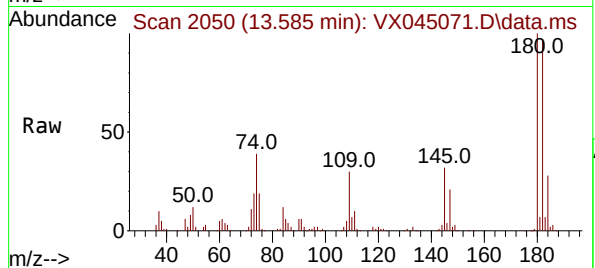
#93
1,2,4-Trichlorobenzene
Concen: 50.571 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

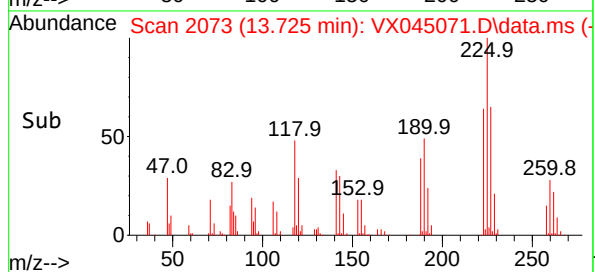
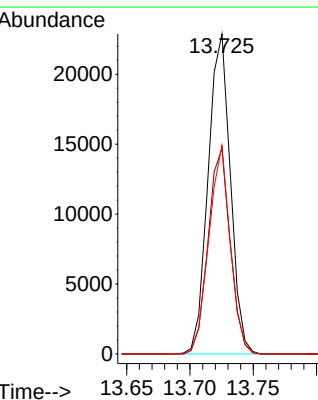
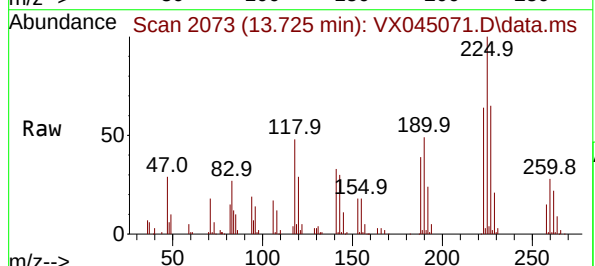
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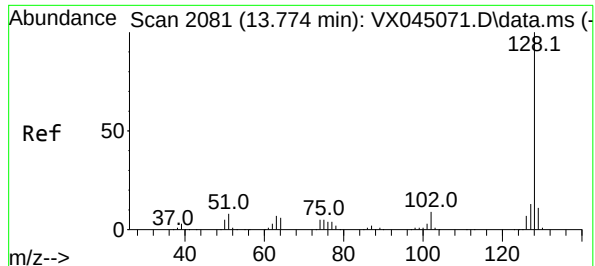
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

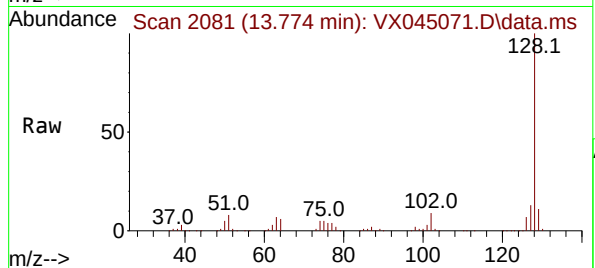
Tgt Ion:225 Resp: 27916
Ion Ratio Lower Upper
225 100
223 63.8 31.9 95.7
227 62.7 31.4 94.0





#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

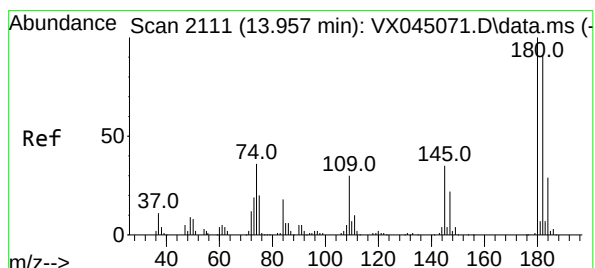
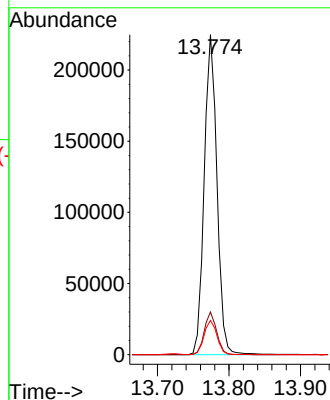
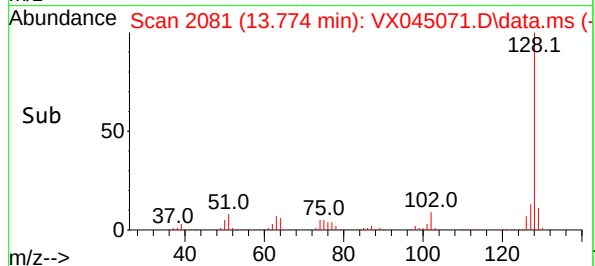
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050



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

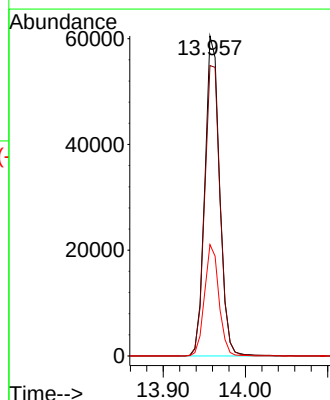
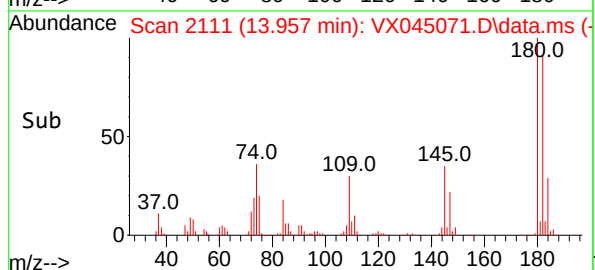
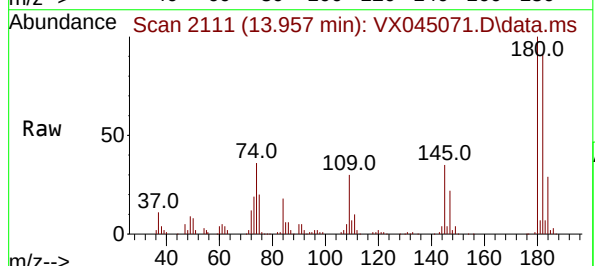
Manual Integrations
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Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

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)
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

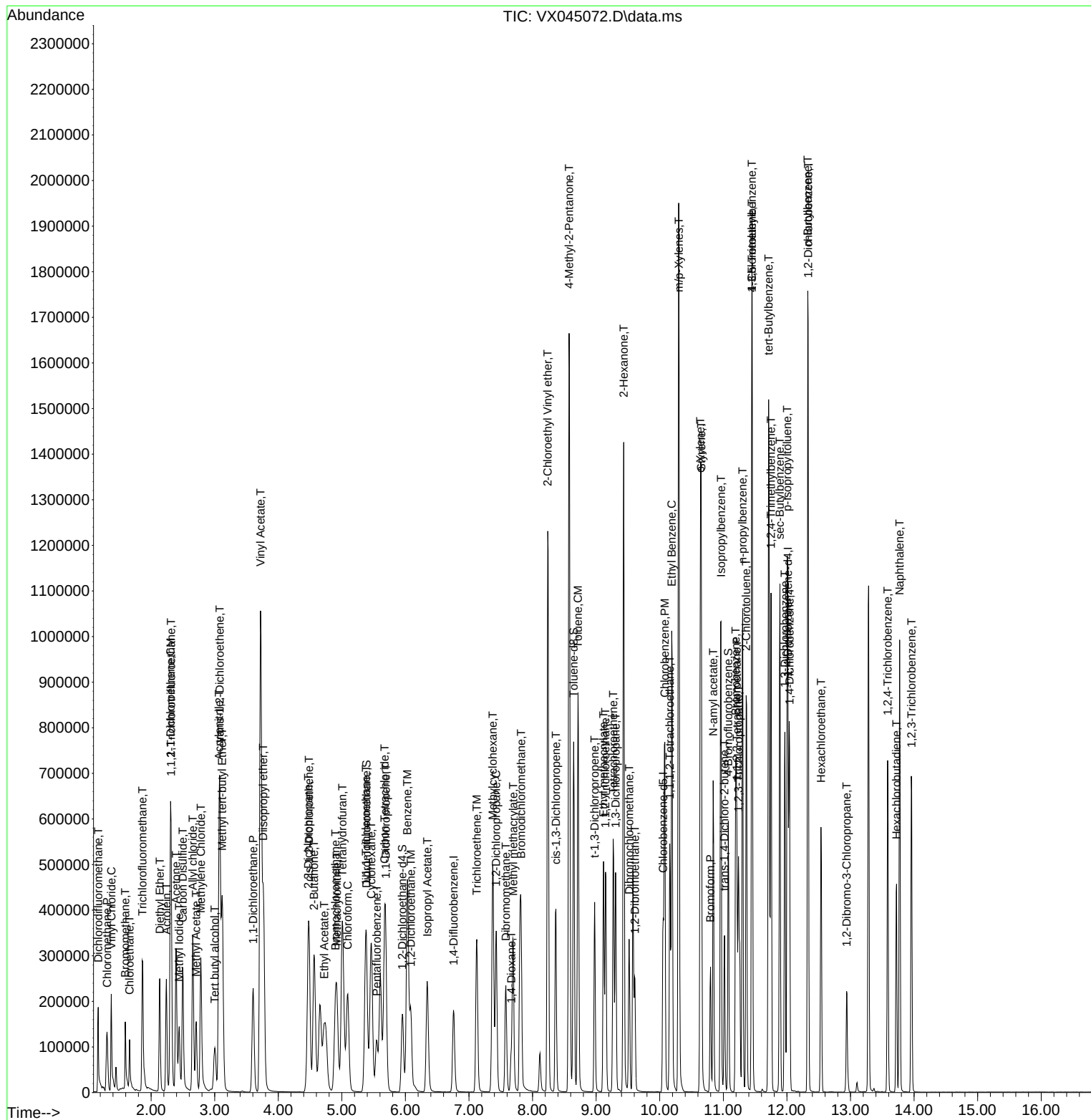
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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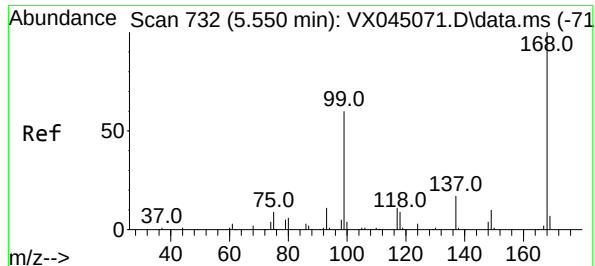
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Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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





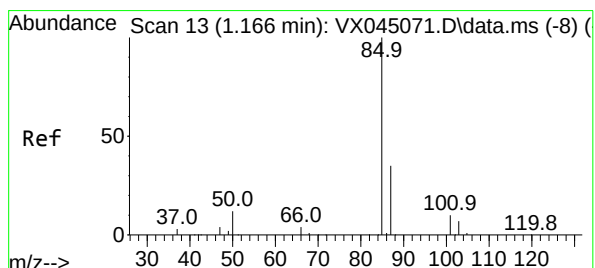
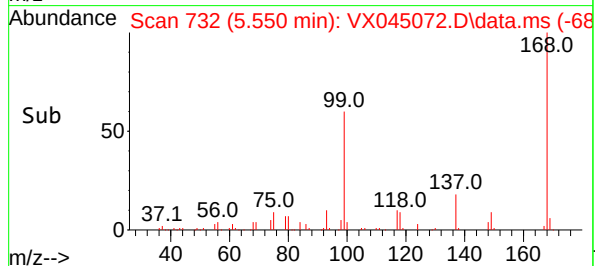
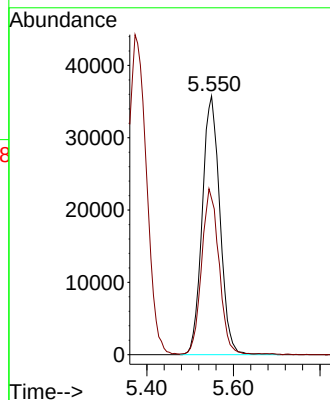
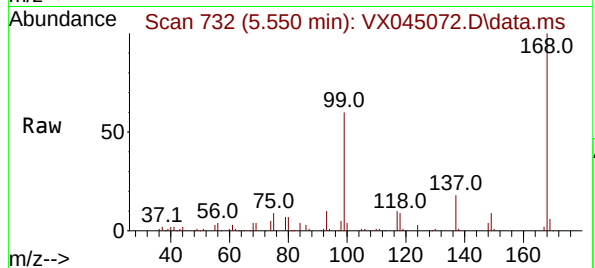
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 101178
Ion Ratio Lower Upper
168 100
99 60.2 48.2 72.4

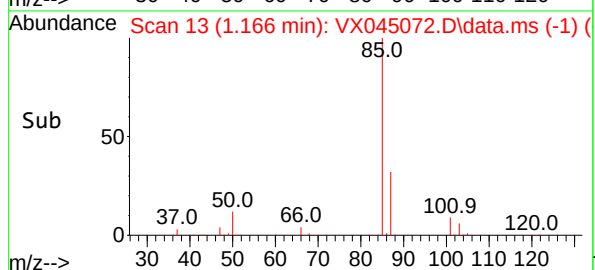
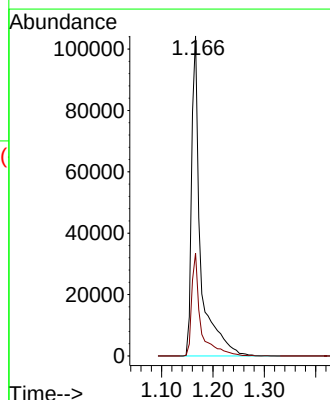
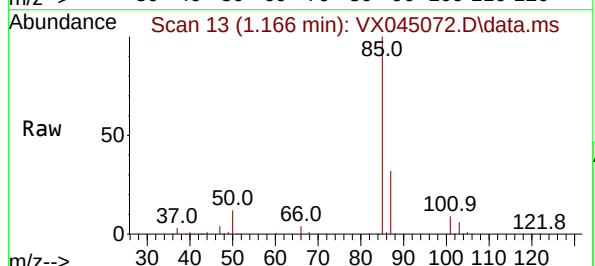
Manual Integrations
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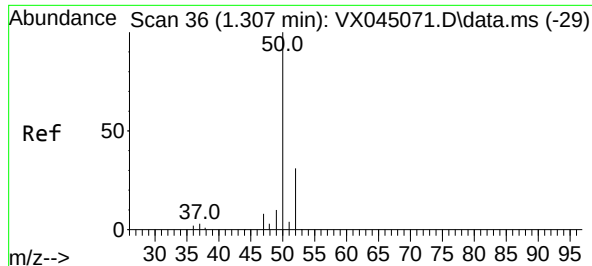
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#2
Dichlorodifluoromethane
Concen: 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





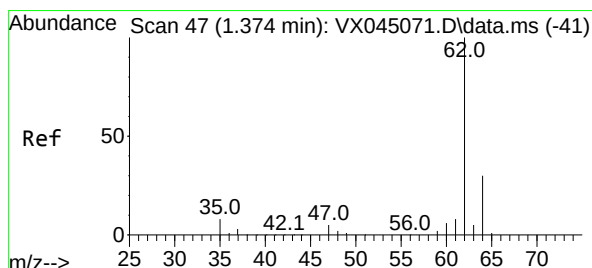
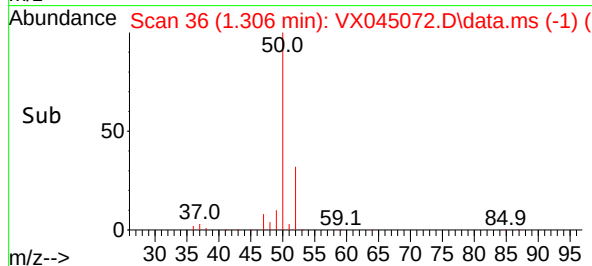
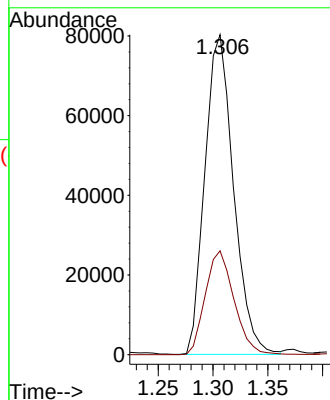
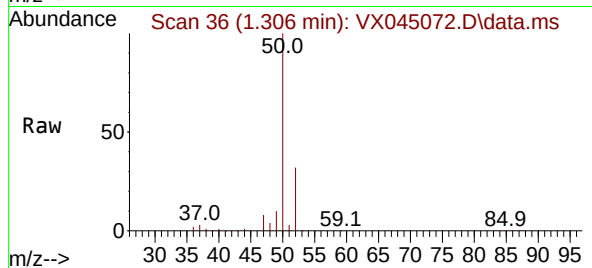
#3
Chloromethane
Concen: 85.936 ug/l
RT: 1.306 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 145825
Ion Ratio Lower Upper
50 100
52 32.5 25.0 37.4

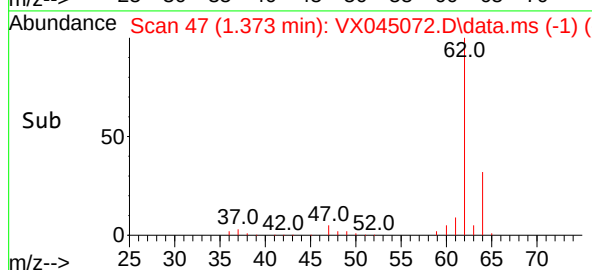
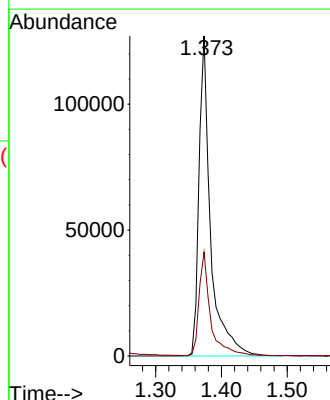
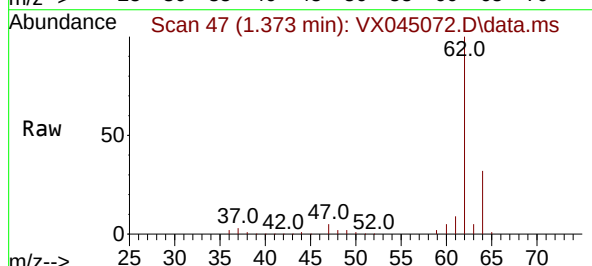
Manual Integrations
APPROVED

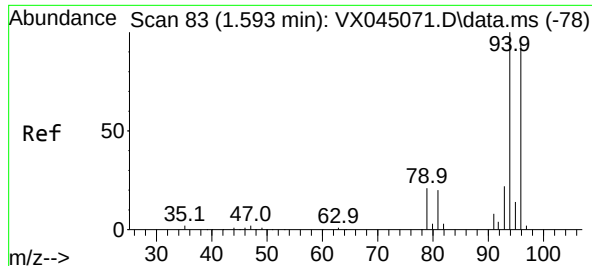
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





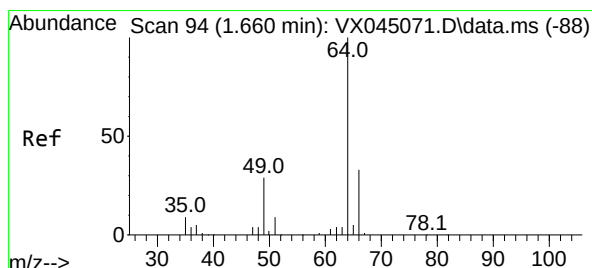
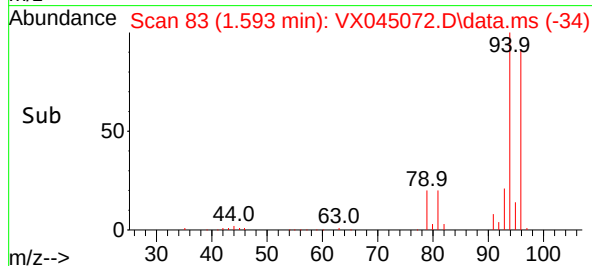
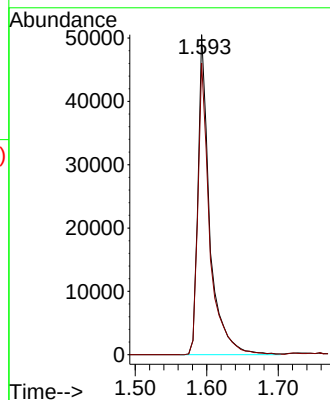
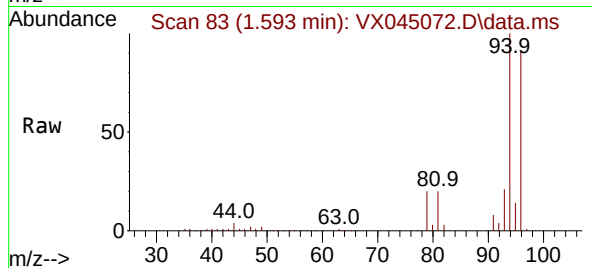
#5
Bromomethane
Concen: 110.980 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 5750
Ion Ratio Lower Upper
94 100
96 91.2 75.0 112.4

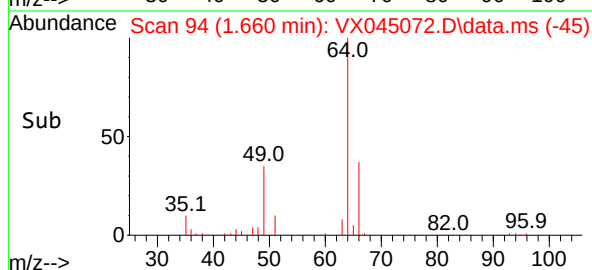
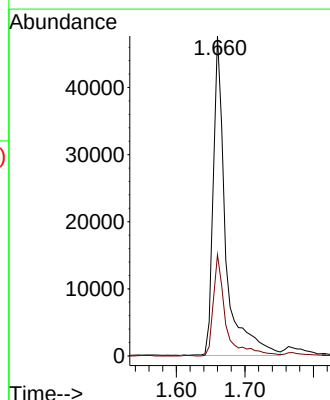
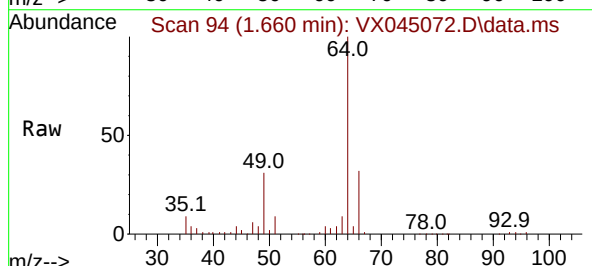
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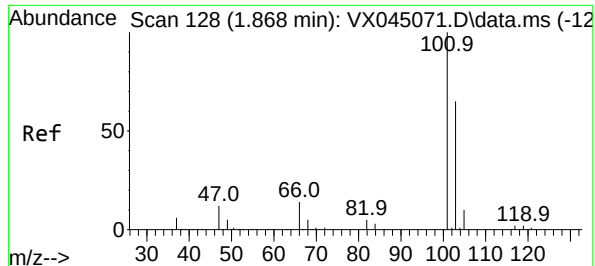
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

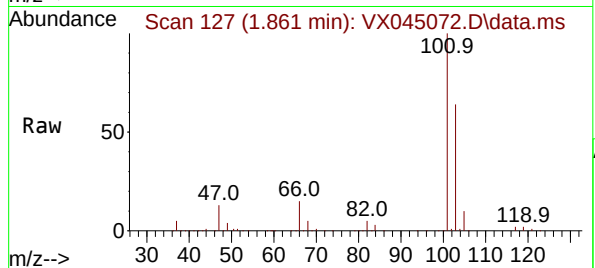
Tgt Ion: 64 Resp: 60155
Ion Ratio Lower Upper
64 100
66 31.7 26.7 40.1





#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

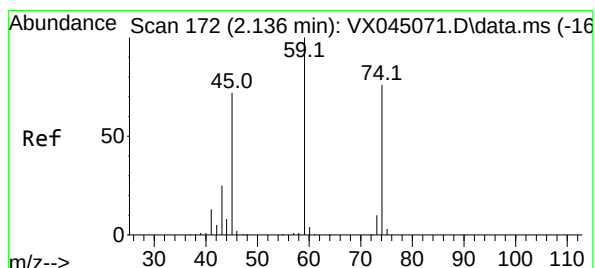
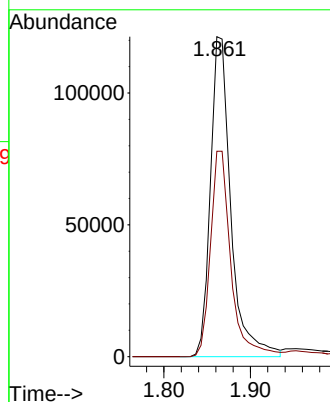
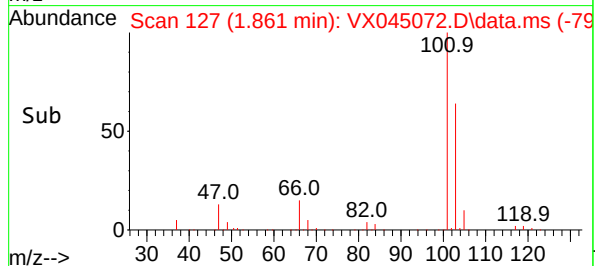
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



Tgt Ion:101 Resp: 19870
Ion Ratio Lower Upper
101 100
103 64.2 52.1 78.1

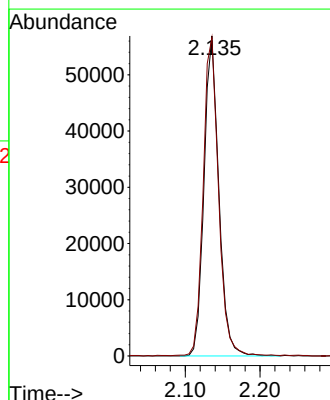
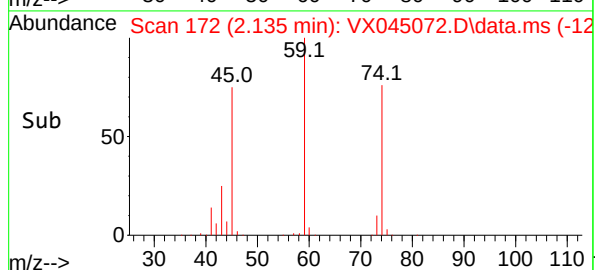
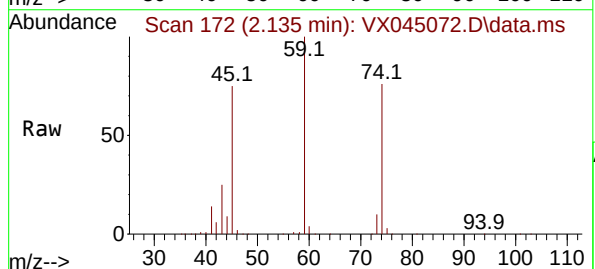
Manual Integrations
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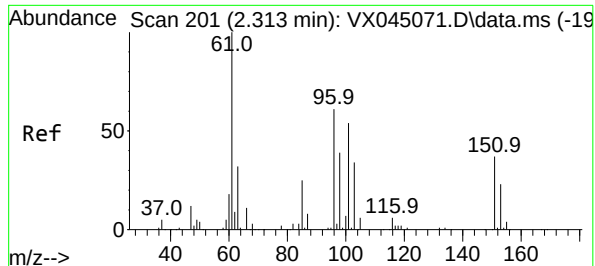
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

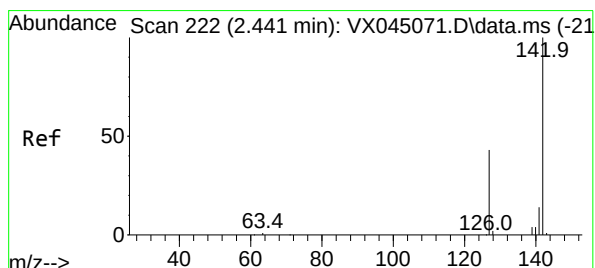
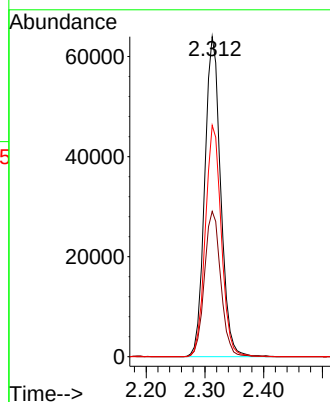
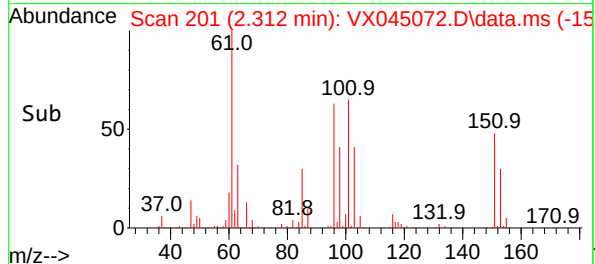
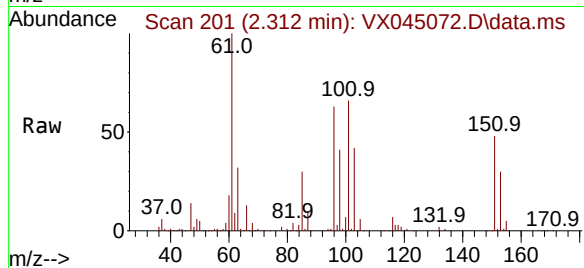
151 72.4 56.4 84.6

Manual Integrations

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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

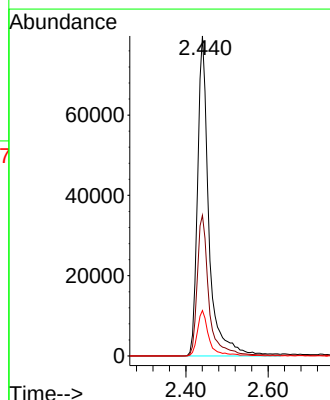
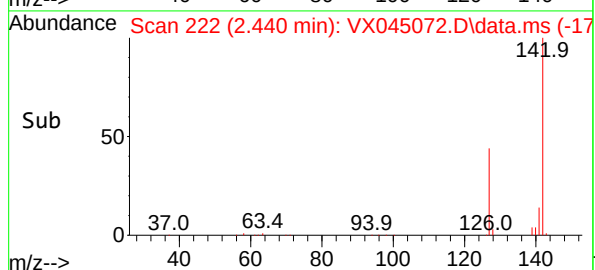
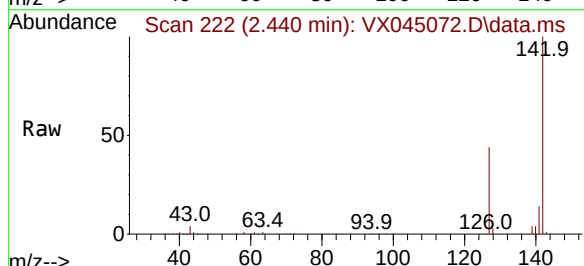
Tgt Ion:142 Resp: 153466

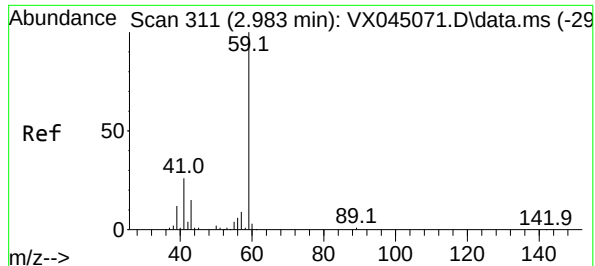
Ion Ratio Lower Upper

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

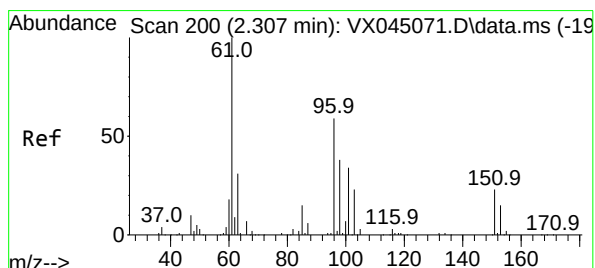
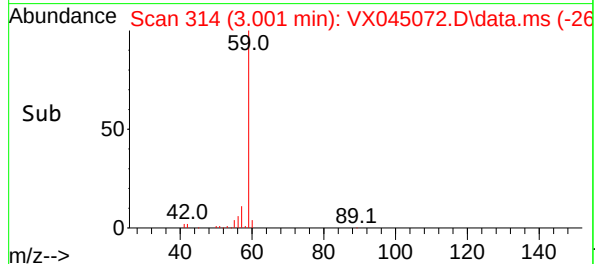
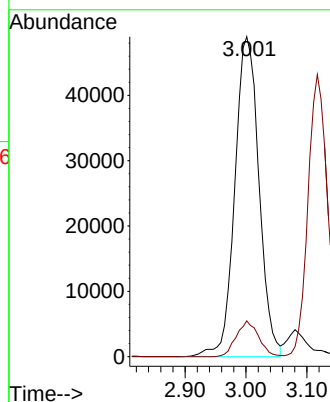
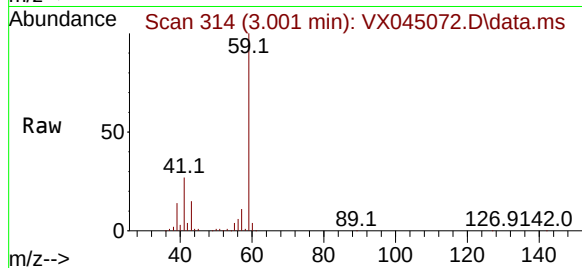
57 10.4 7.8 11.8

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

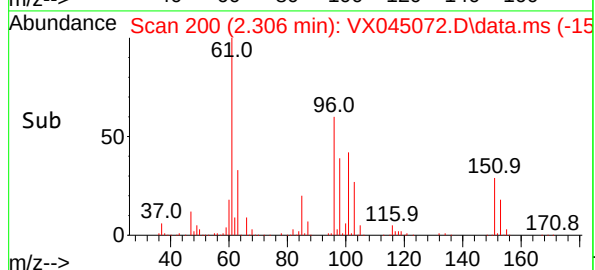
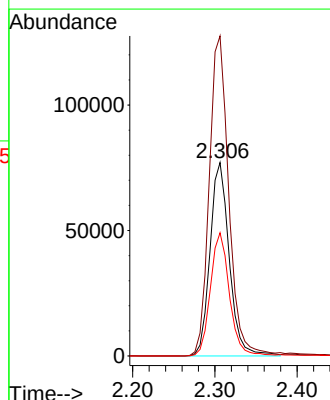
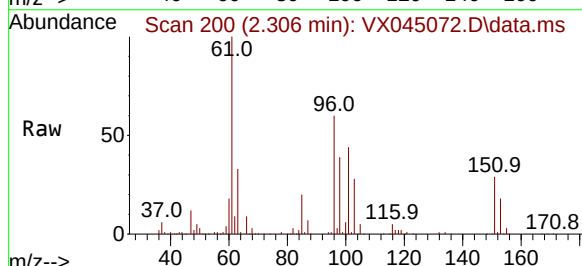
Tgt Ion: 96 Resp: 125436

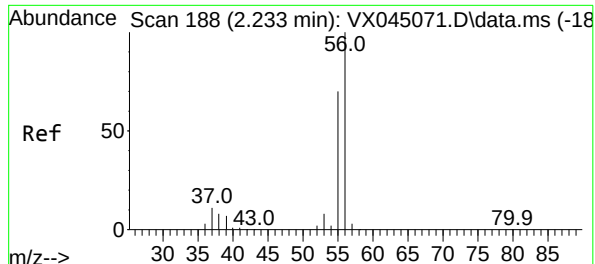
Ion Ratio Lower Upper

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 :

VSTDIC100

Tgt Ion: 56 Resp: 18041

Ion Ratio Lower Upper

56 100

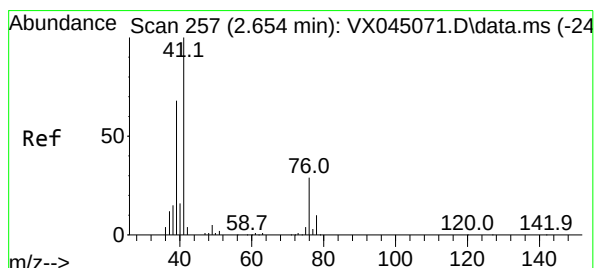
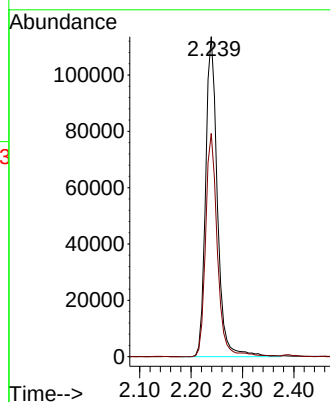
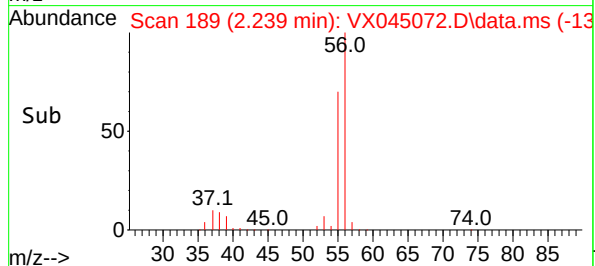
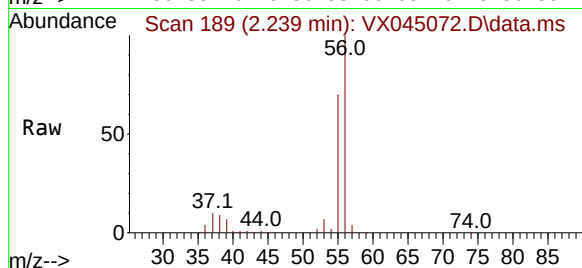
55 69.8 56.2 84.4

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

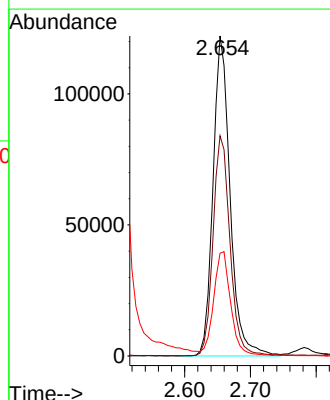
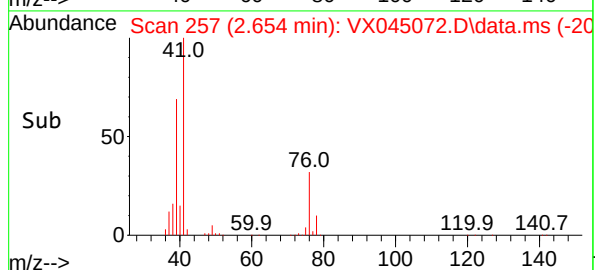
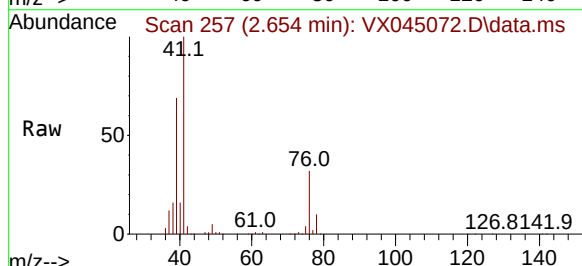
Tgt Ion: 41 Resp: 220783

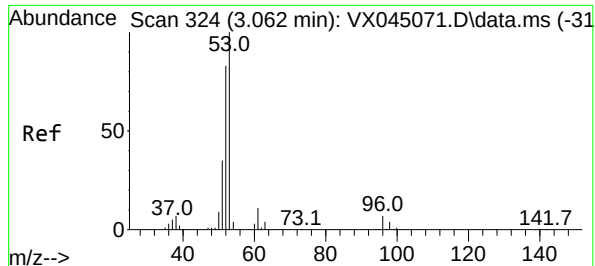
Ion Ratio Lower Upper

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 :

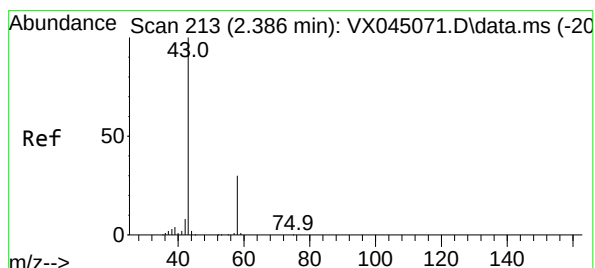
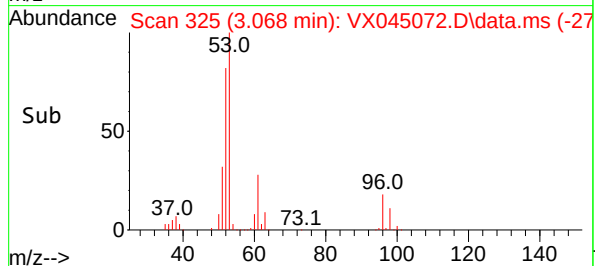
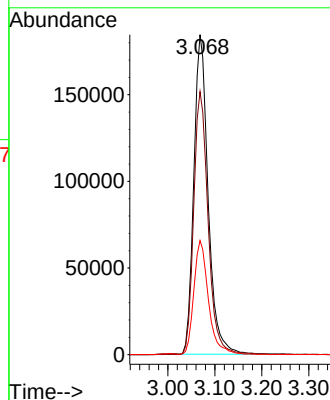
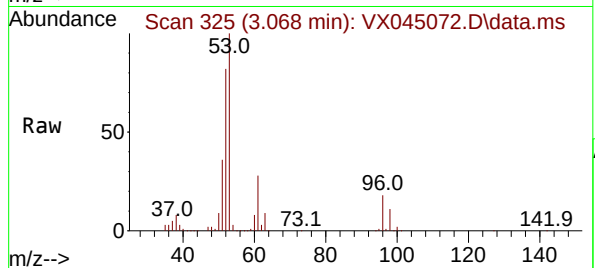
VSTDICC100

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

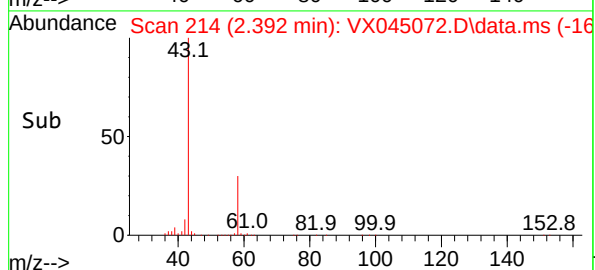
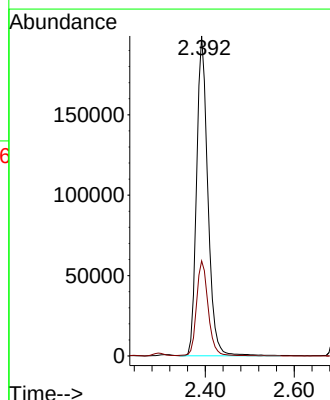
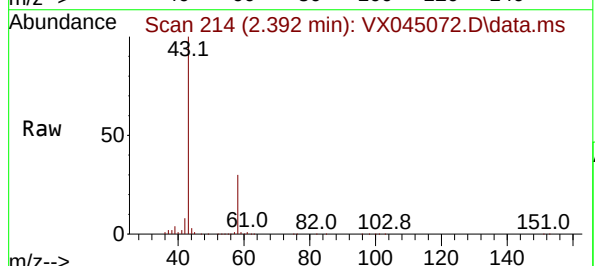
RT: 2.392 min Scan# 214

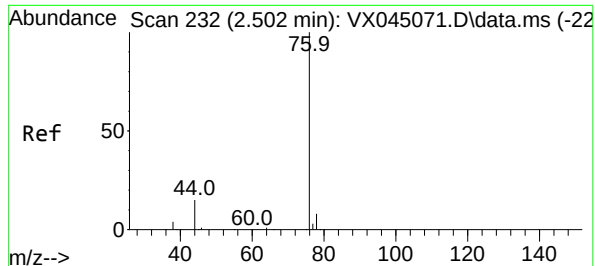
Delta R.T. 0.006 min

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

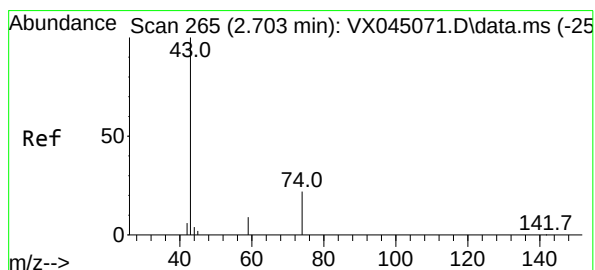
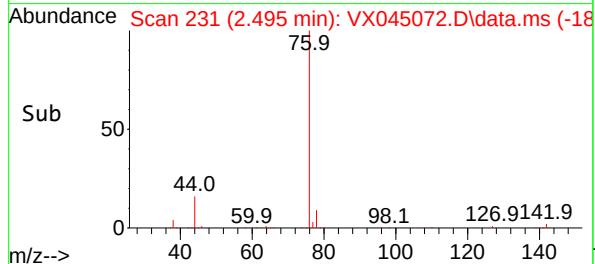
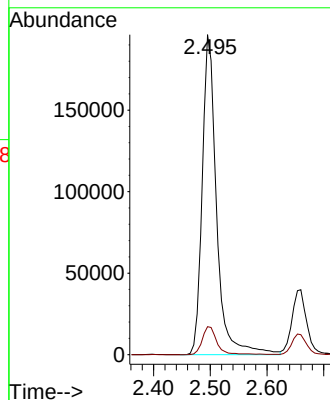
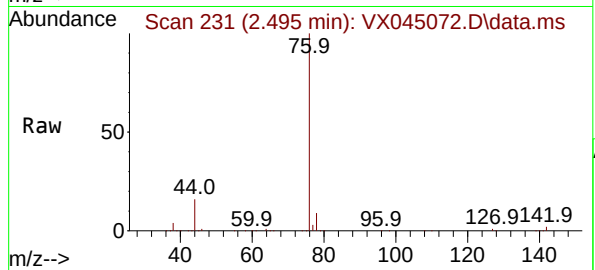
78 8.7 6.6 9.8

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

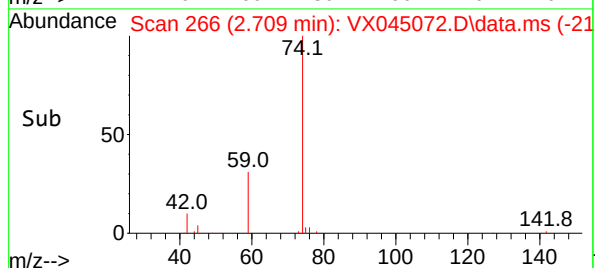
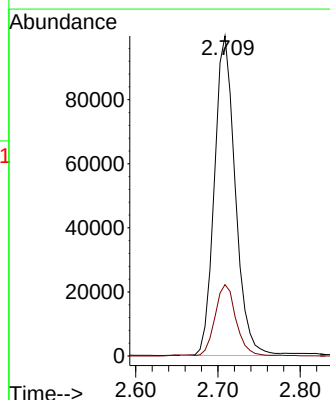
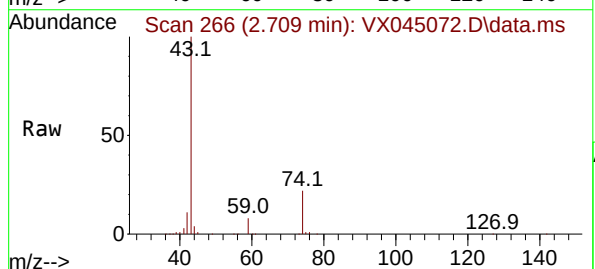
Acq: 28 Feb 2025 03:23

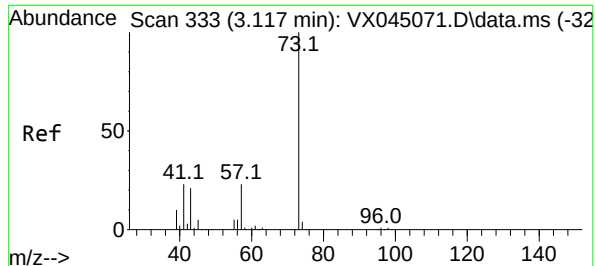
Tgt Ion: 43 Resp: 175784

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# 31

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 73 Resp: 43141

Ion Ratio Lower Upper

73 100

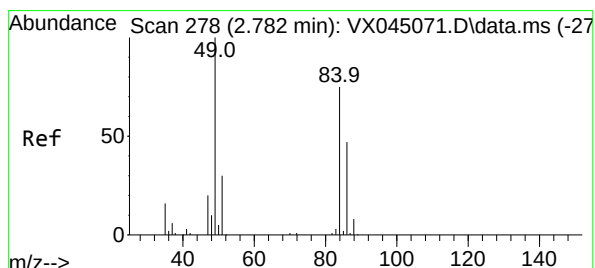
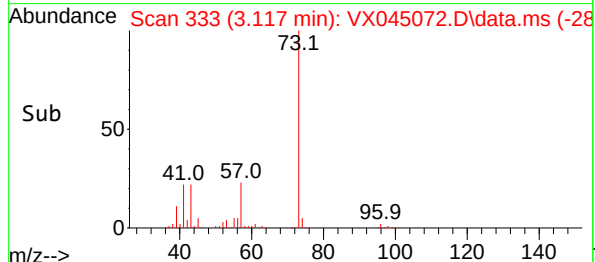
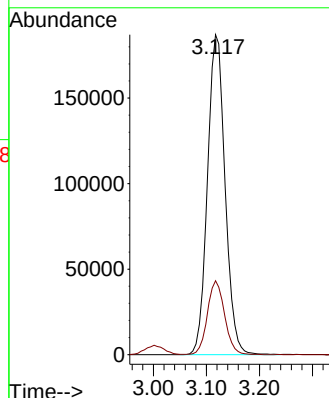
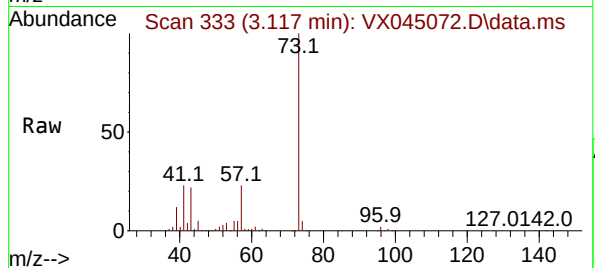
57 23.0 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#20

Methylene Chloride

Concen: 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

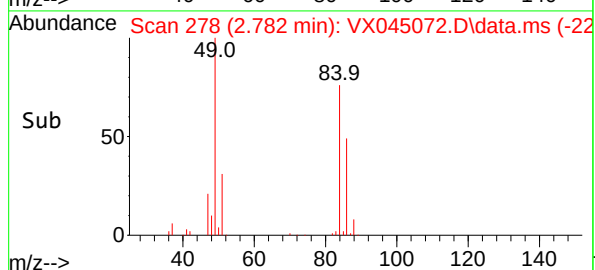
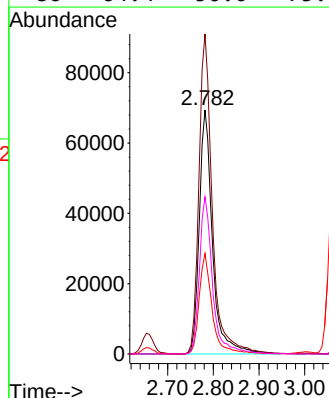
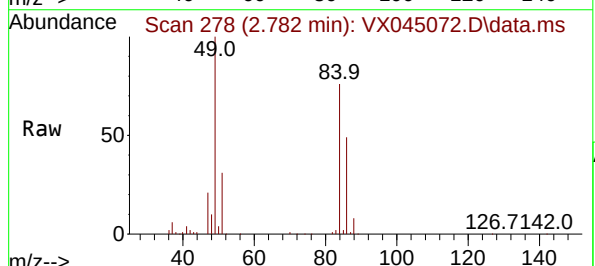
Ion Ratio Lower Upper

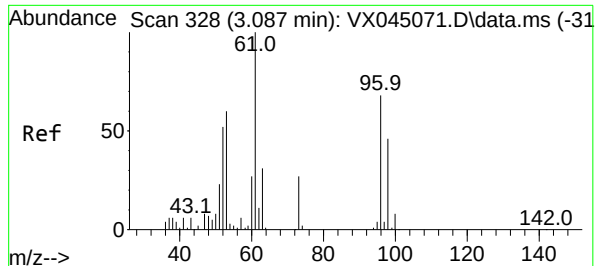
84 100

49 131.2 106.5 159.7

51 41.2 32.1 48.1

86 64.4 50.0 75.0





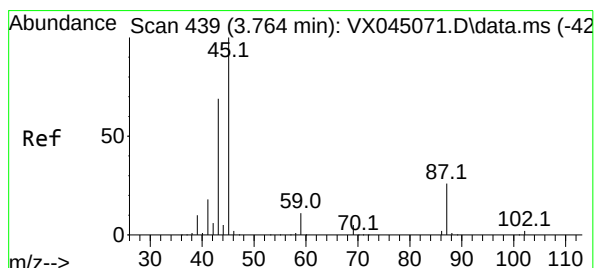
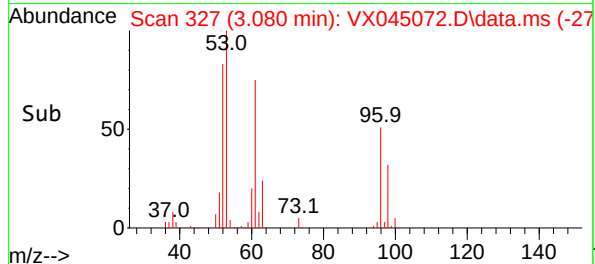
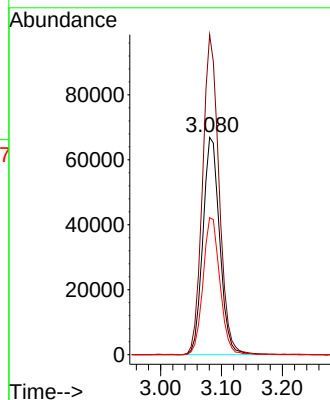
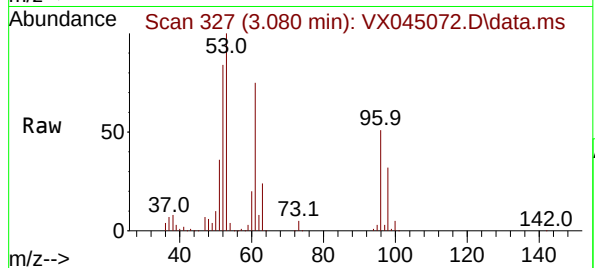
#21
trans-1,2-Dichloroethene
Concen: 100.164 ug/l
RT: 3.080 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

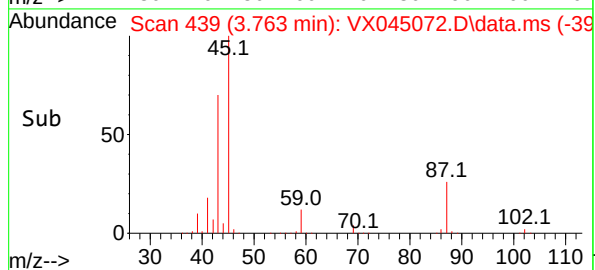
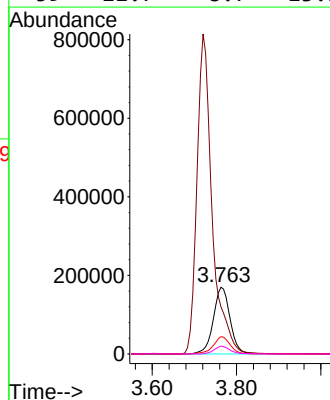
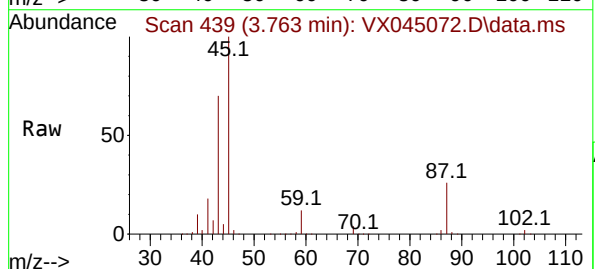
Manual Integrations
APPROVED

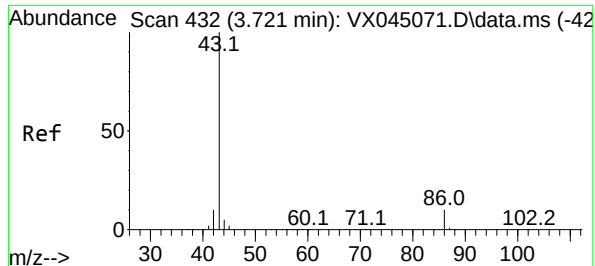
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





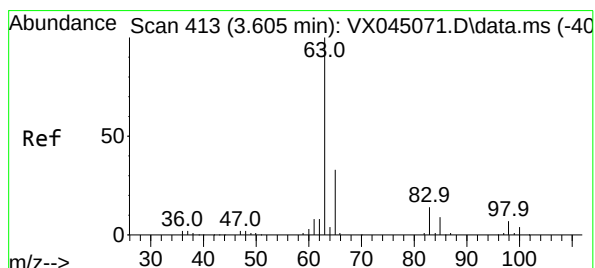
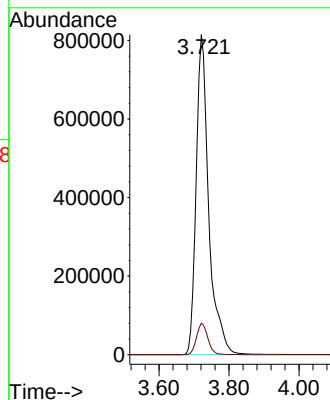
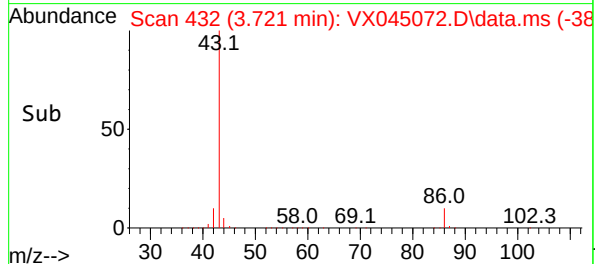
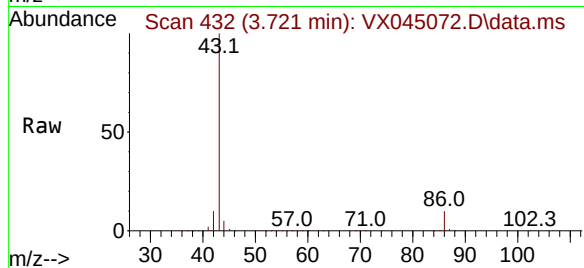
#23
Vinyl Acetate
Concen: 554.219 ug/l
RT: 3.721 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 203588
Ion Ratio Lower Upper
43 100
86 9.9 8.1 12.1

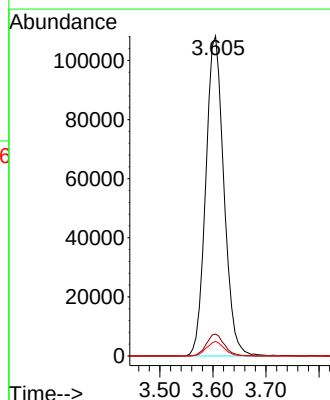
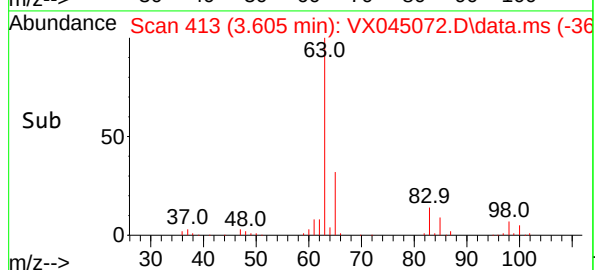
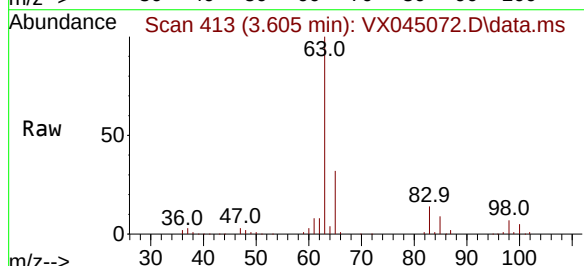
Manual Integrations
APPROVED

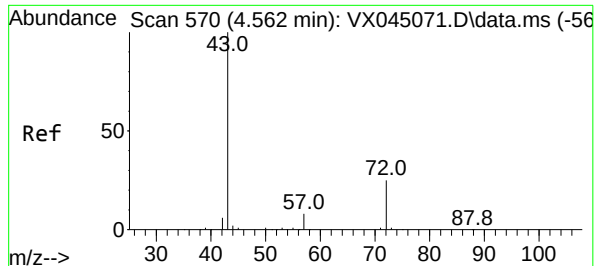
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

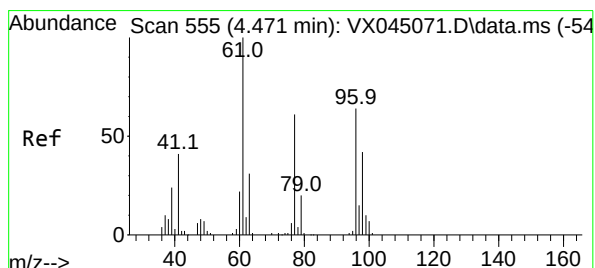
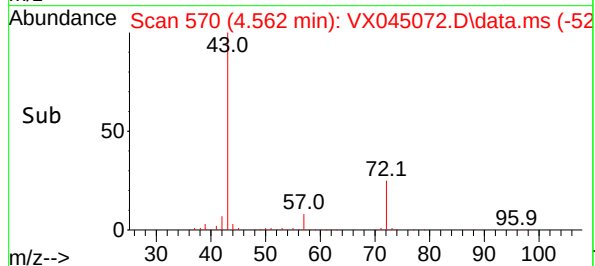
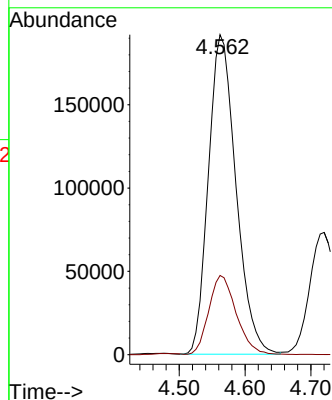
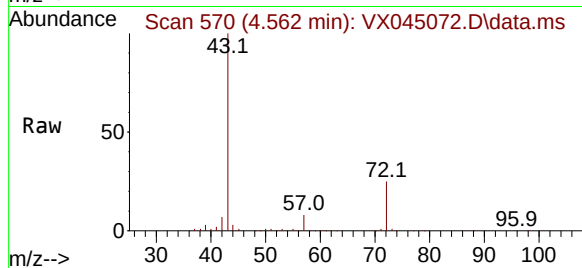
30.0

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

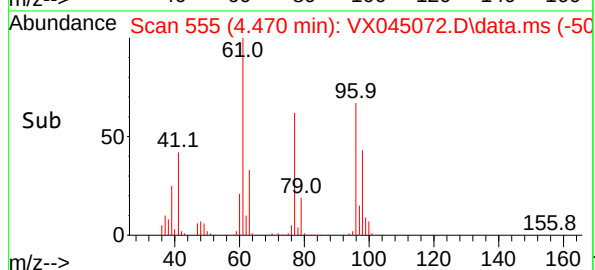
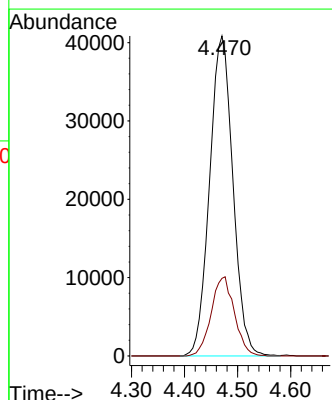
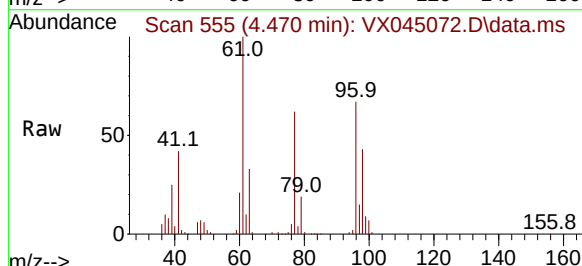
100

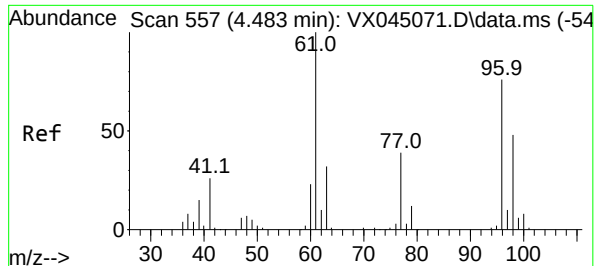
97

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

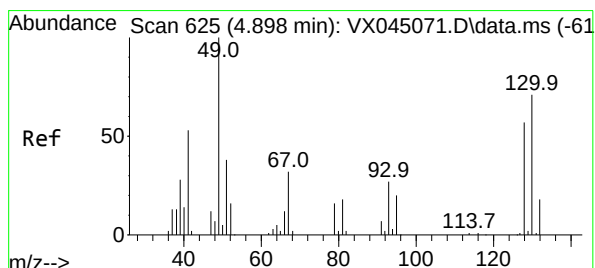
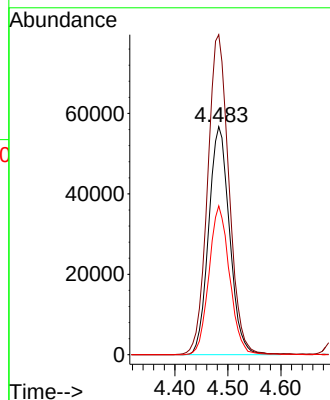
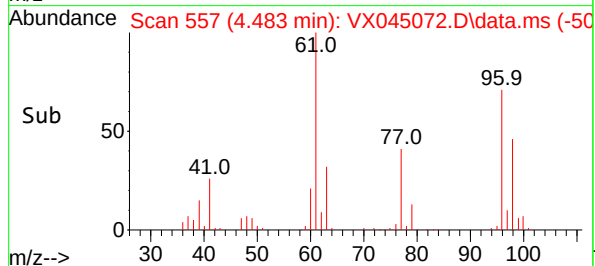
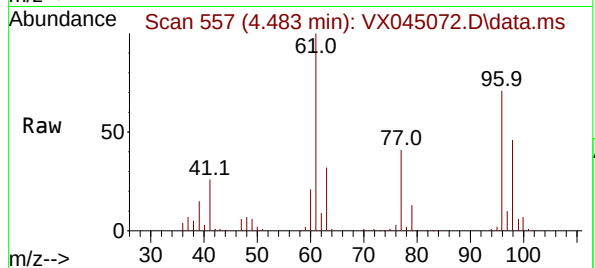
98 64.3 0.0 128.0

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

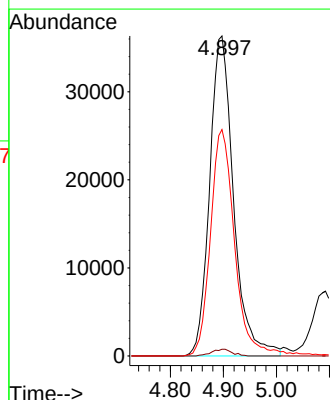
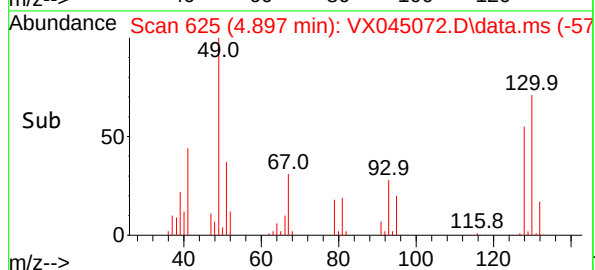
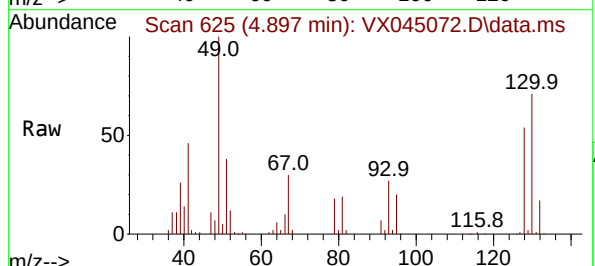
Tgt Ion: 49 Resp: 113848

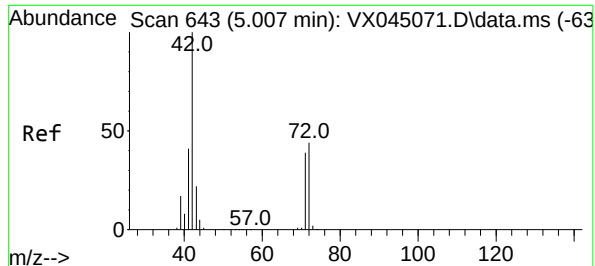
Ion Ratio Lower Upper

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# 643

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 42 Resp: 36556

Ion Ratio Lower Upper

42 100

72 42.1 34.1 51.1

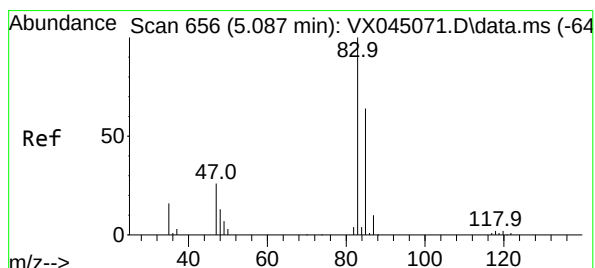
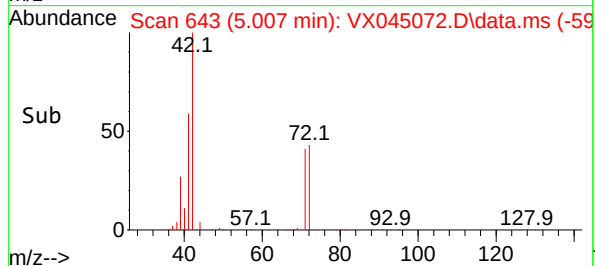
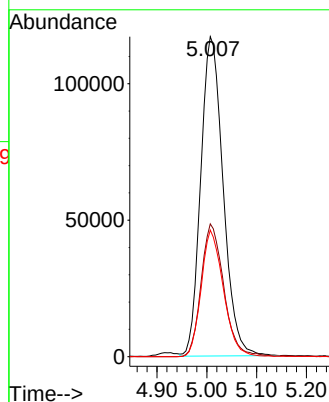
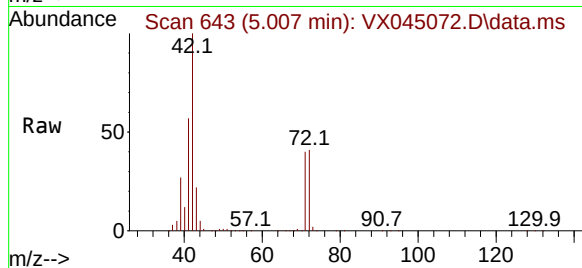
71 39.2 31.4 47.0

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

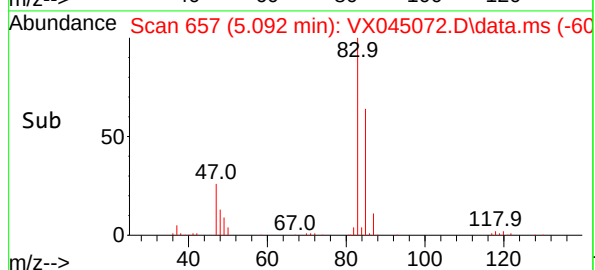
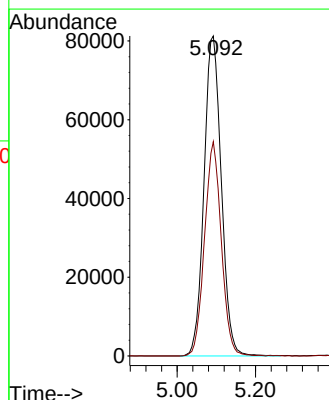
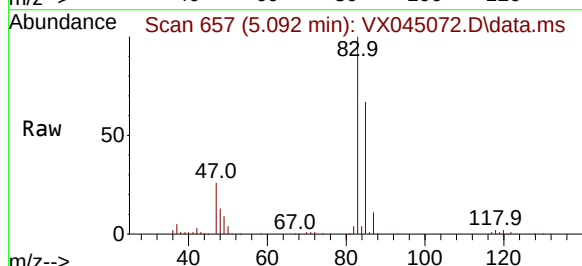
Acq: 28 Feb 2025 03:23

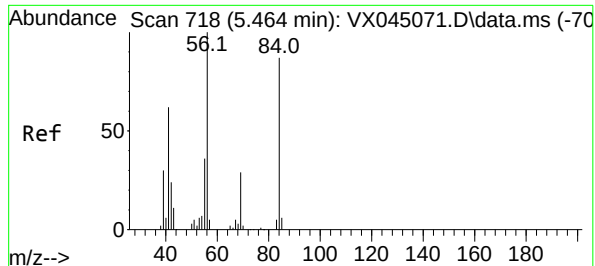
Tgt Ion: 83 Resp: 248978

Ion Ratio Lower Upper

83 100

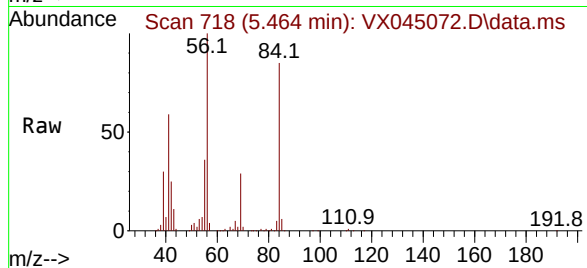
85 66.9 51.4 77.2





#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

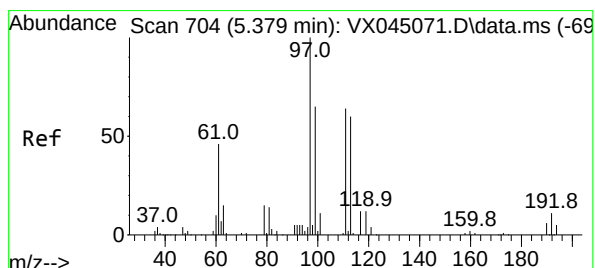
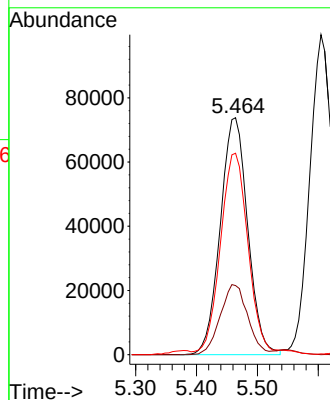
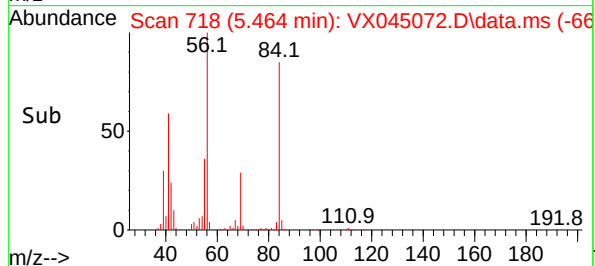
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



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

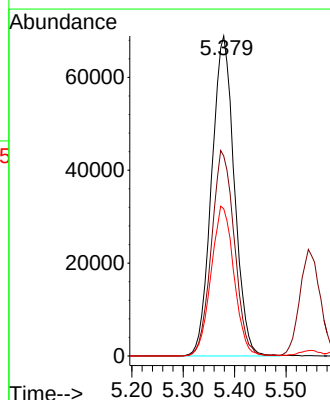
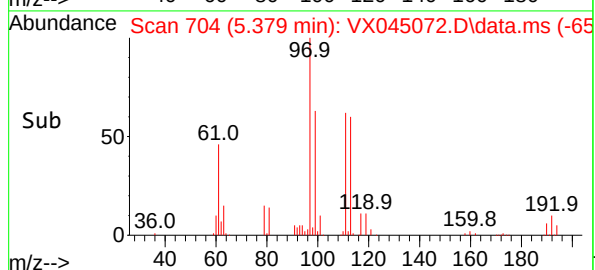
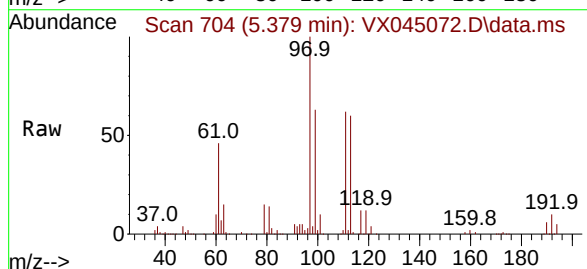
Manual Integrations
APPROVED

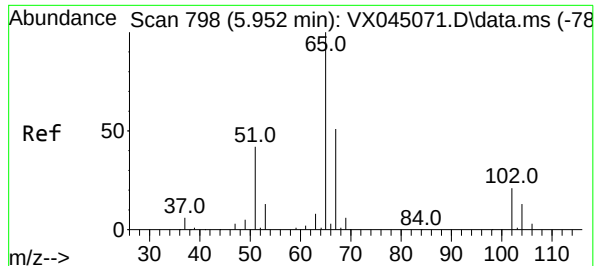
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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 :

VSTDICC100

Tgt Ion: 65 Resp: 158452

Ion Ratio Lower Upper

65 100

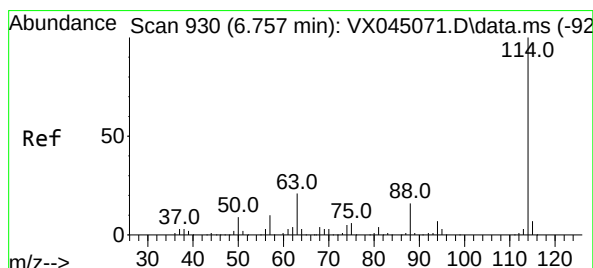
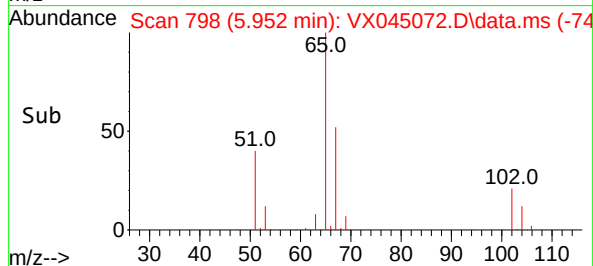
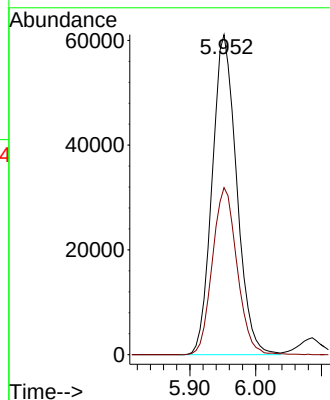
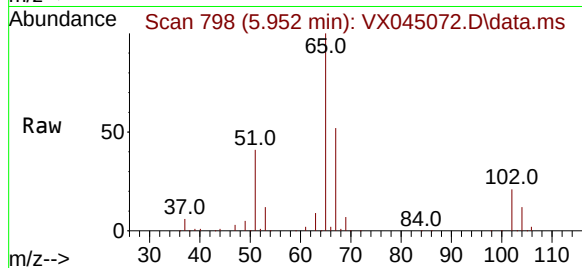
67 52.5 0.0 106.2

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

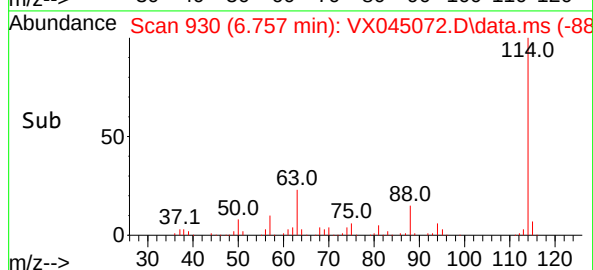
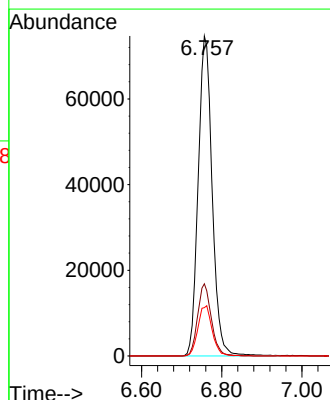
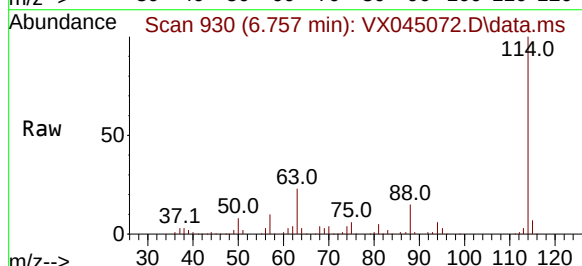
Tgt Ion:114 Resp: 181031

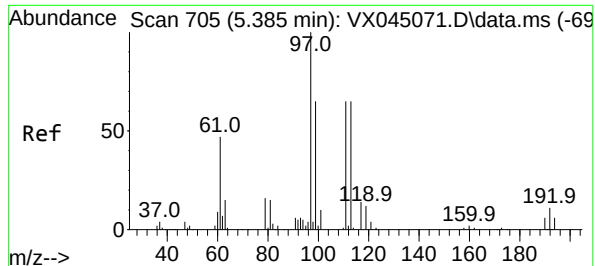
Ion Ratio Lower Upper

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 :

VSTDICC100

Tgt Ion:113 Resp: 123185

Ion Ratio Lower Upper

113 100

111 102.1 81.8 122.6

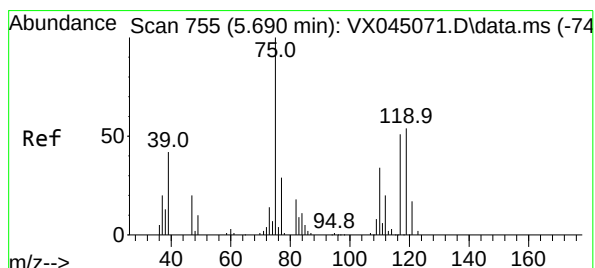
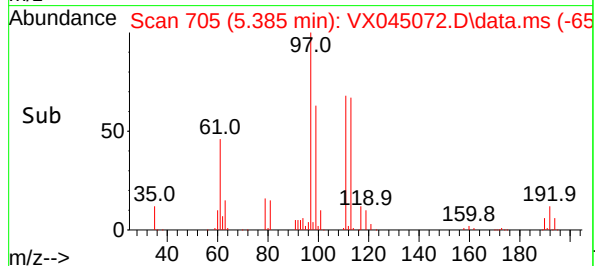
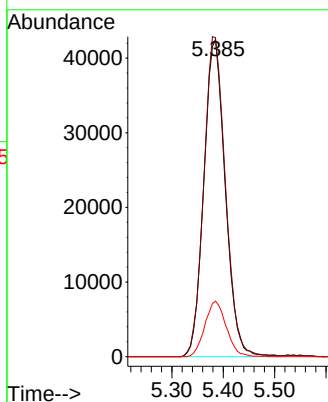
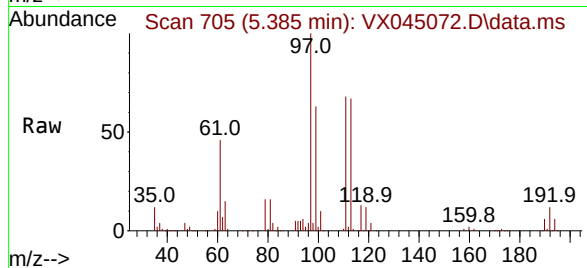
192 17.5 14.3 21.5

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

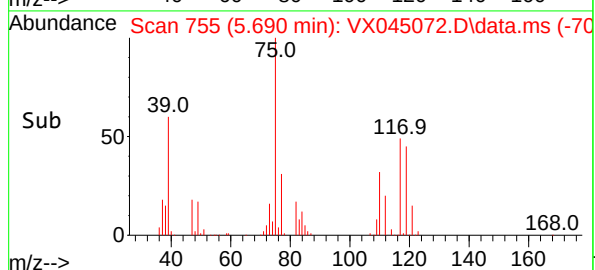
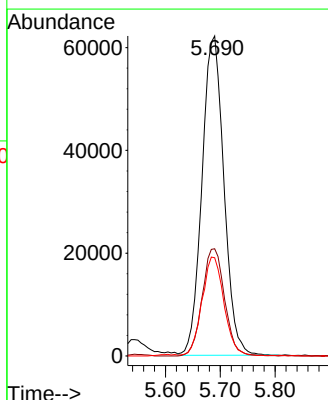
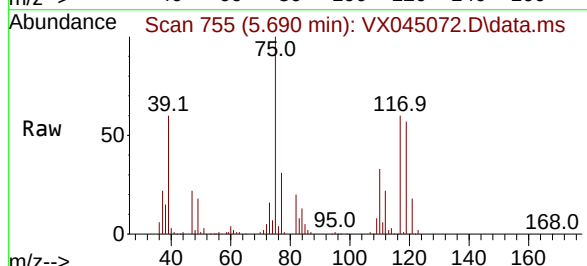
Tgt Ion: 75 Resp: 172295

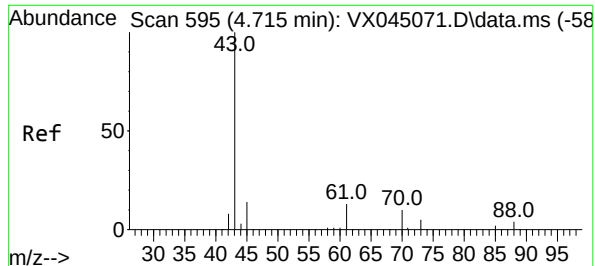
Ion Ratio Lower Upper

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# 596

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

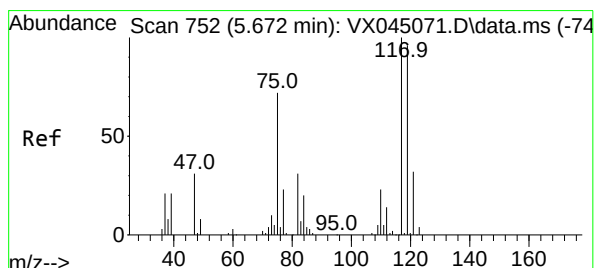
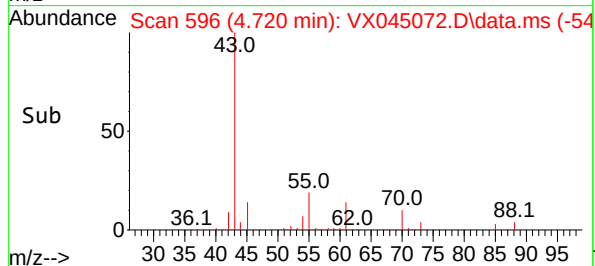
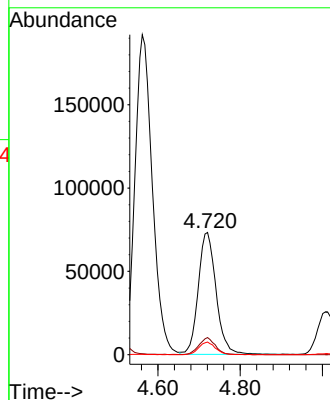
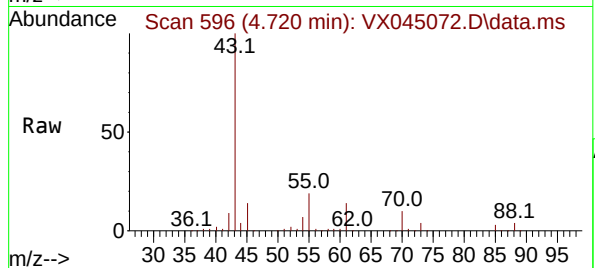
70 9.6 7.7 11.5

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

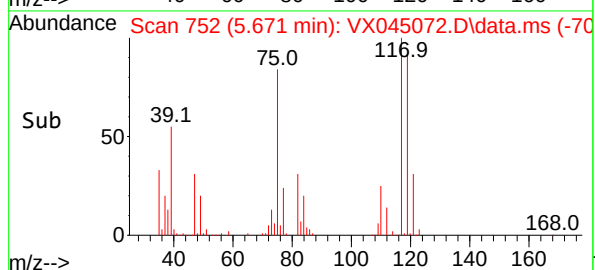
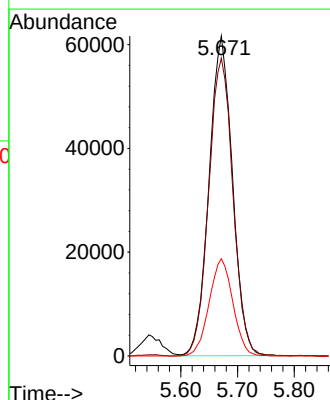
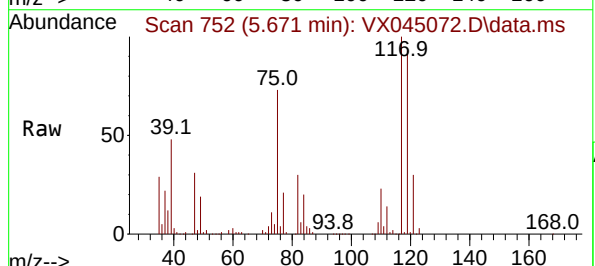
Tgt Ion:117 Resp: 177219

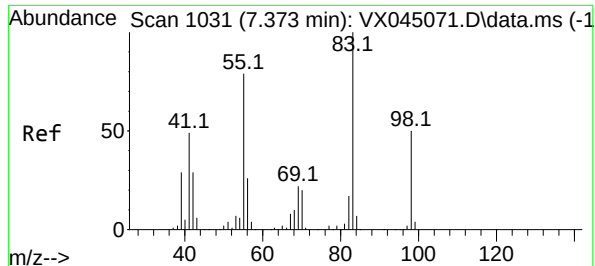
Ion Ratio Lower Upper

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 :

VSTDICC100

Tgt Ion: 83 Resp: 219850

Ion Ratio Lower Upper

83 100

55 80.6 63.0 94.4

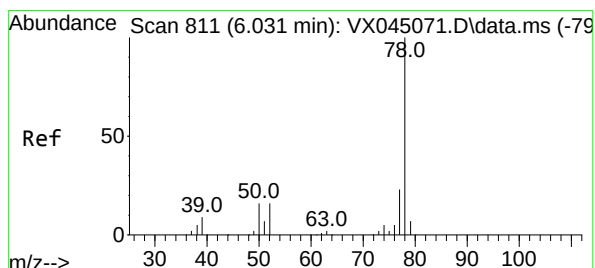
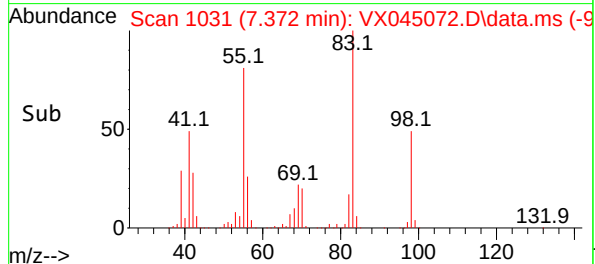
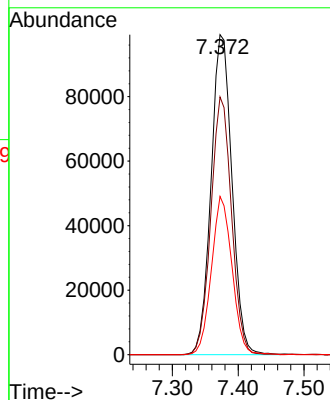
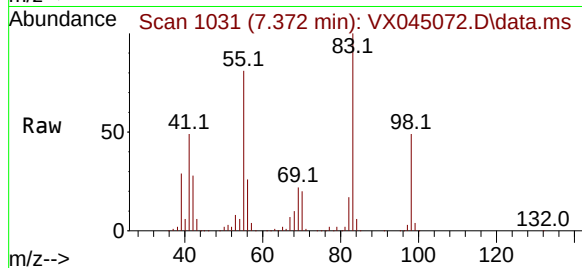
98 49.5 39.7 59.5

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

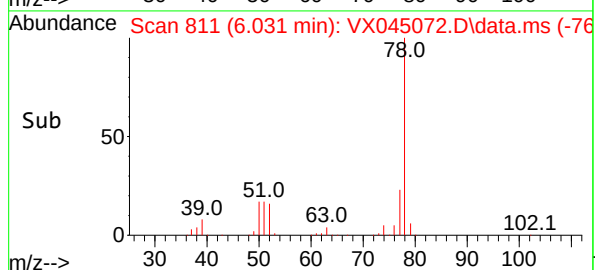
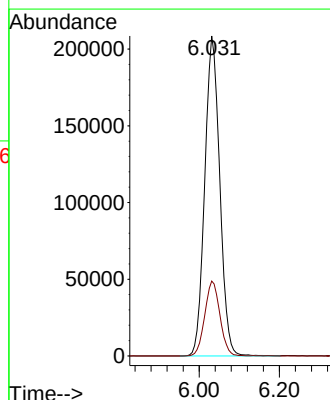
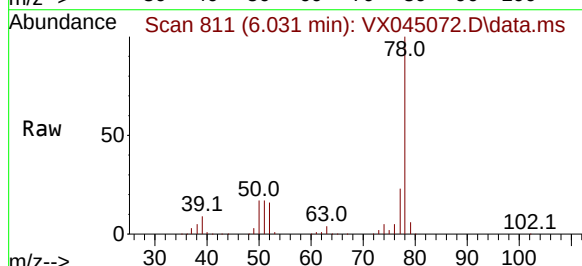
Acq: 28 Feb 2025 03:23

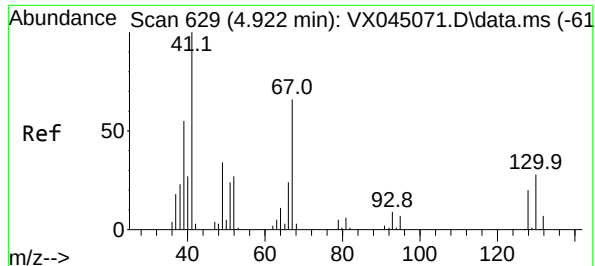
Tgt Ion: 78 Resp: 541974

Ion Ratio Lower Upper

78 100

77 23.4 18.8 28.2





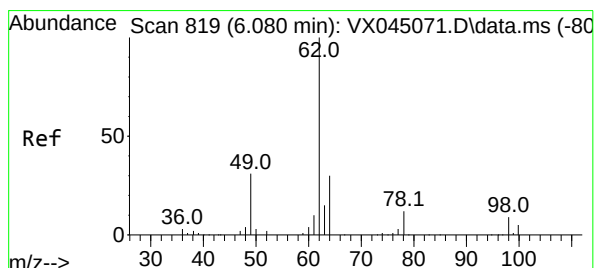
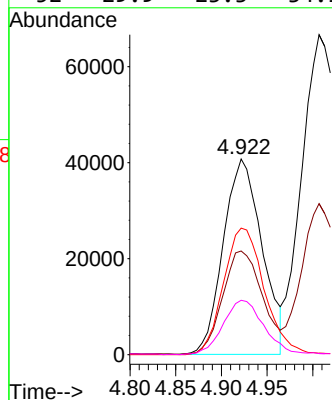
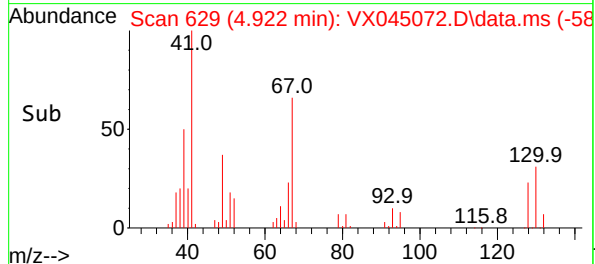
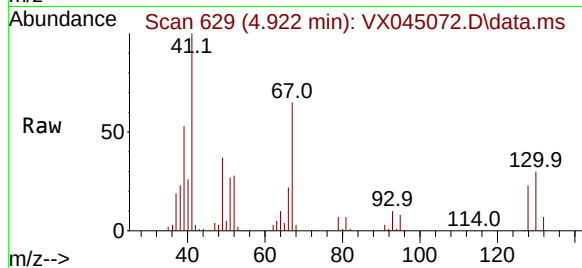
#41
Methacrylonitrile
Concen: 116.205 ug/l
RT: 4.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

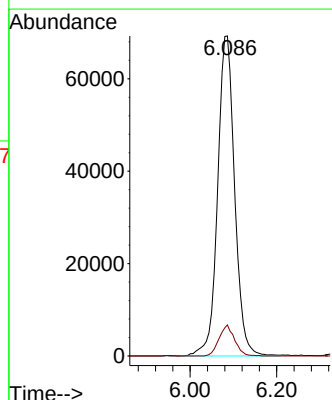
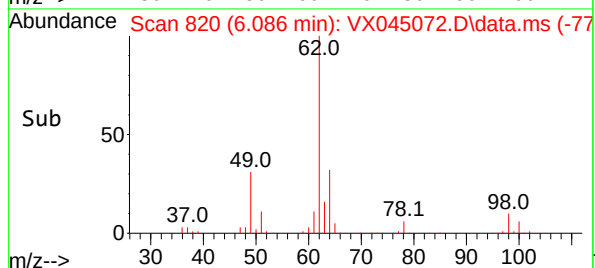
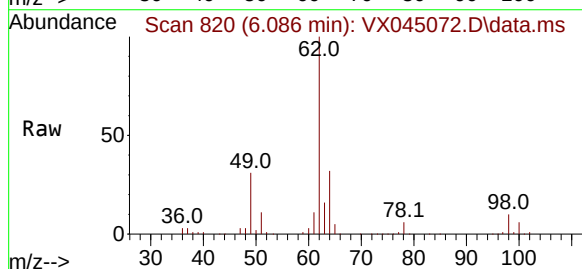
Manual Integrations
APPROVED

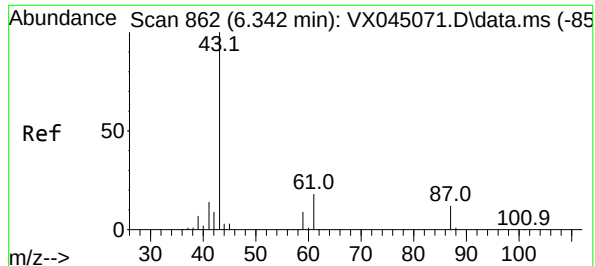
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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 :

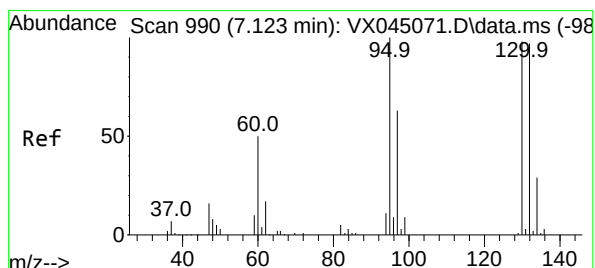
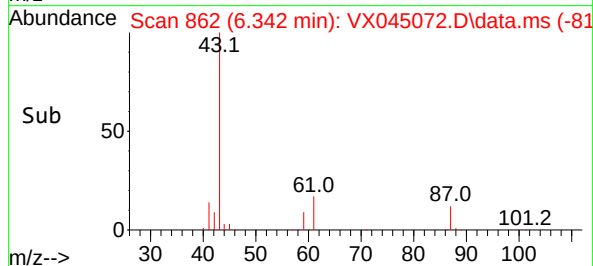
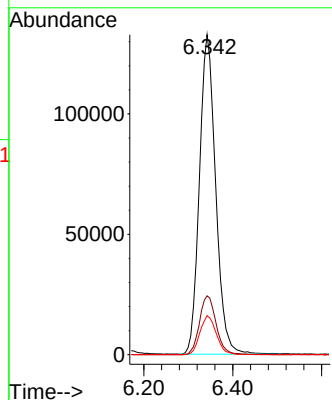
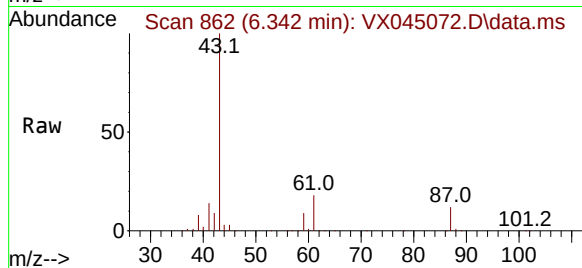
VSTDICC100

Tgt Ion:	43	Resp:	338414
Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.9	22.3
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

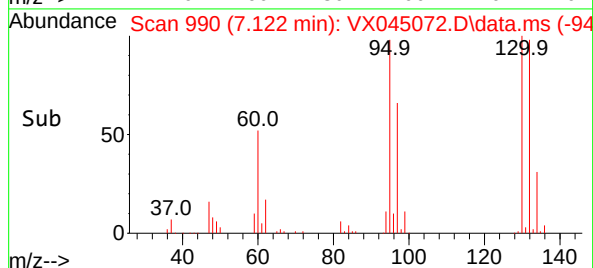
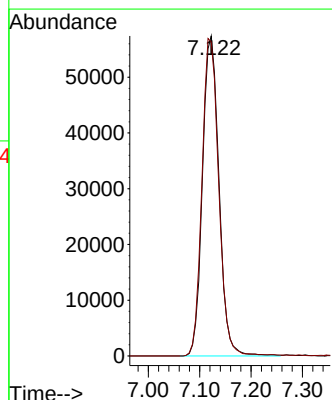
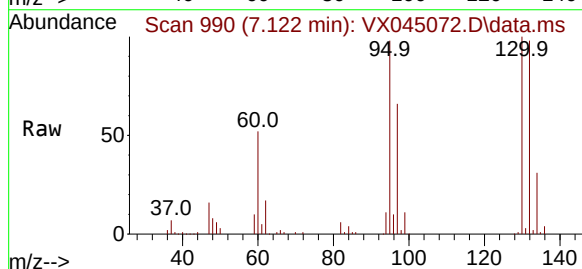
RT: 7.122 min Scan# 990

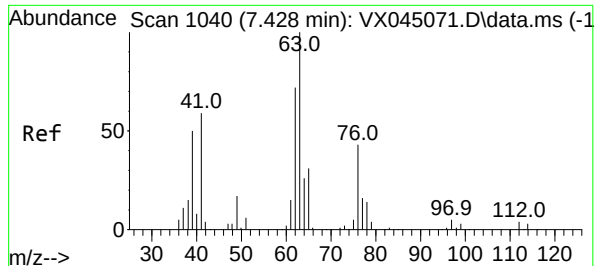
Delta R.T. -0.000 min

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

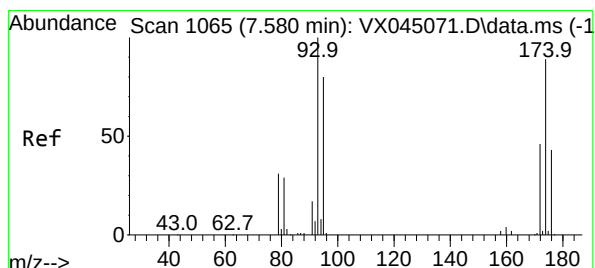
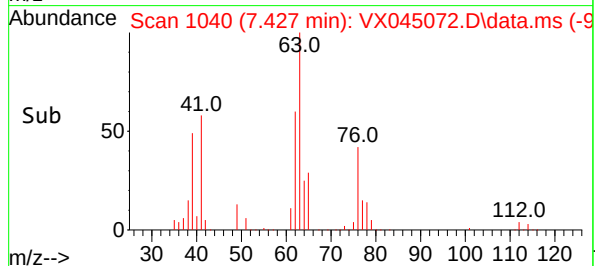
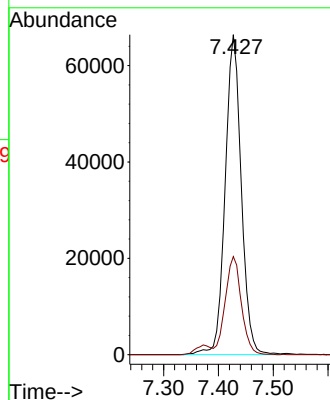
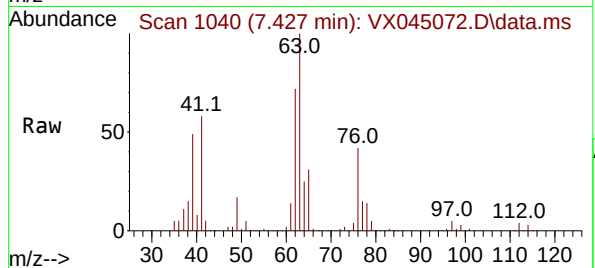
65 30.7 24.7 37.1

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

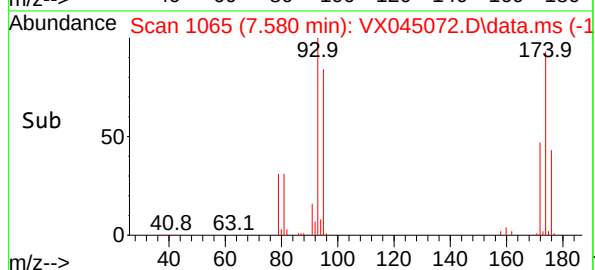
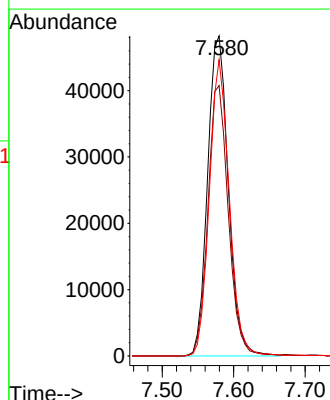
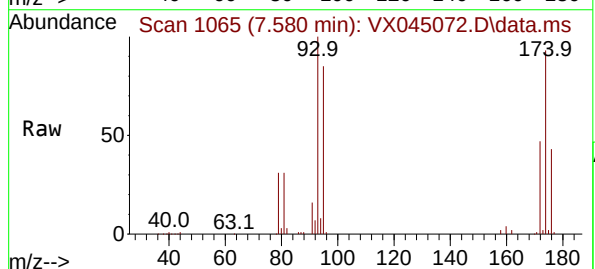
Tgt Ion: 93 Resp: 97248

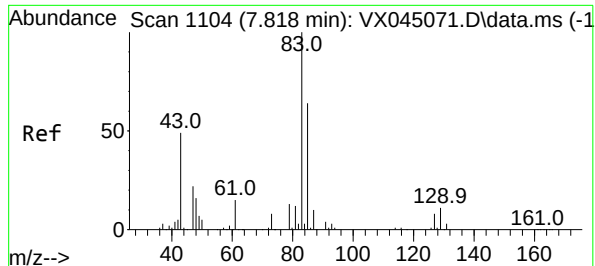
Ion Ratio Lower Upper

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 :

VSTDICC100

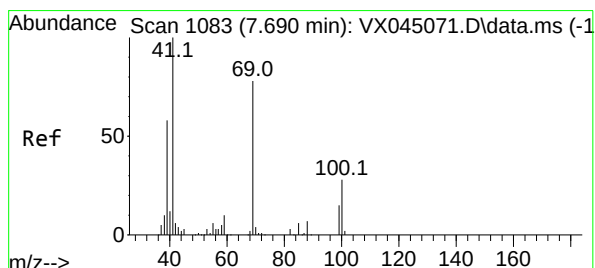
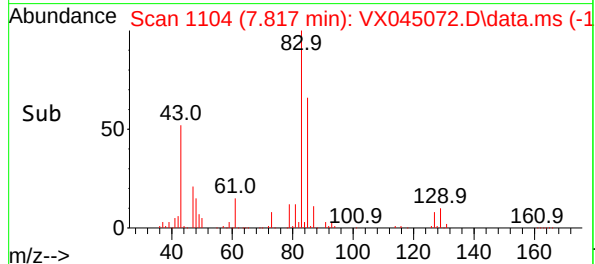
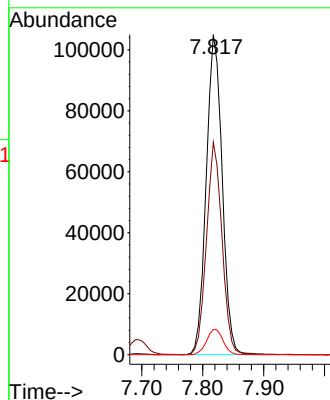
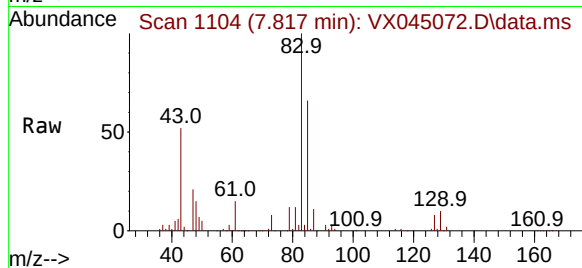
Tgt Ion:	83	Resp:	191010
Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.1	76.7
127	7.9	6.4	9.6

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

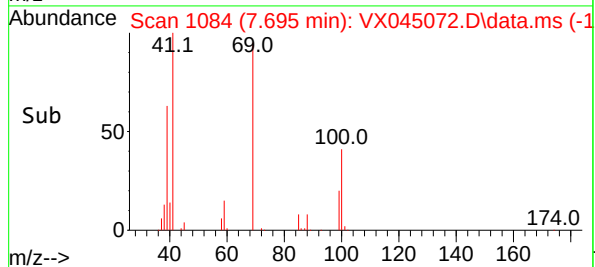
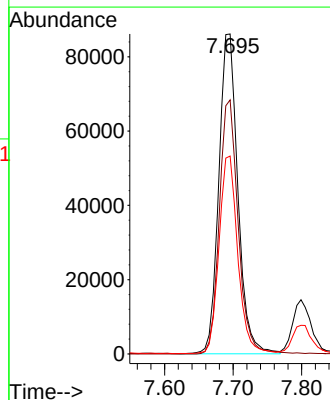
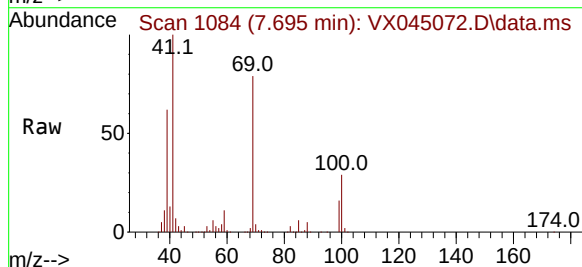
RT: 7.695 min Scan# 1084

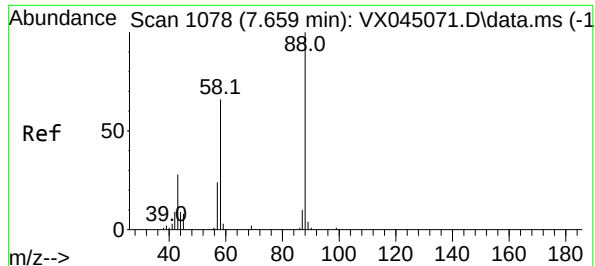
Delta R.T. 0.006 min

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 :

VSTDICC100

Tgt Ion: 88 Resp: 66308

Ion Ratio Lower Upper

88 100

43 35.6 28.7 43.1

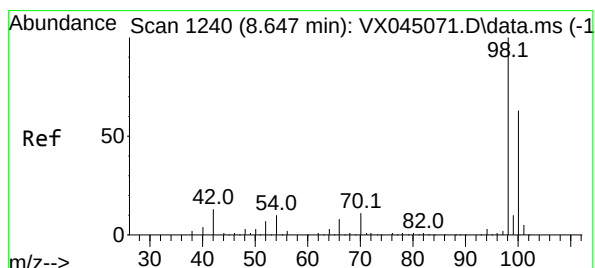
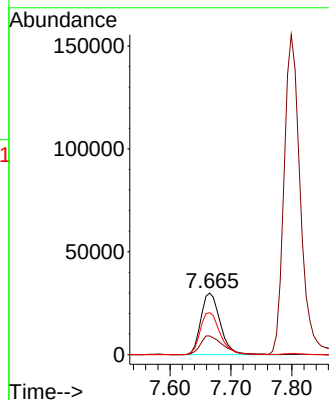
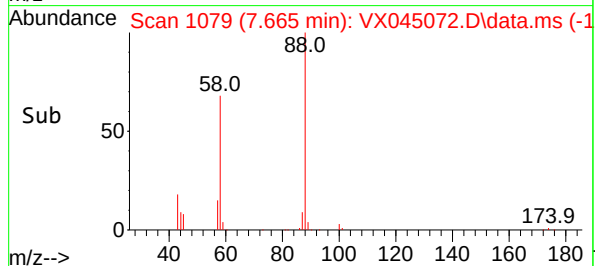
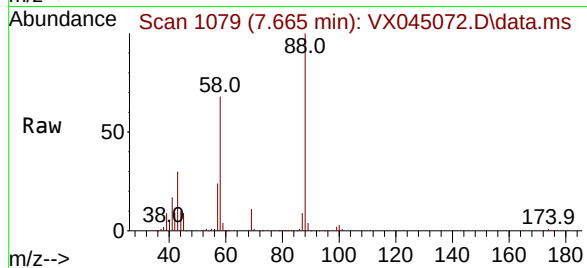
58 70.5 55.8 83.8

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

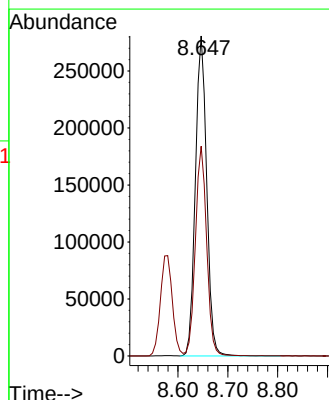
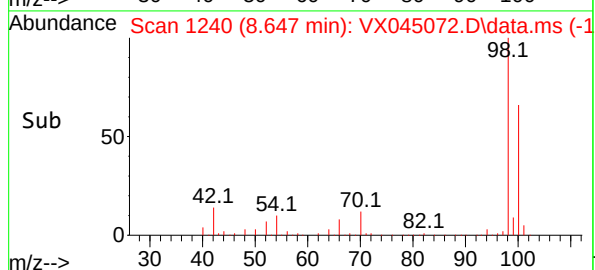
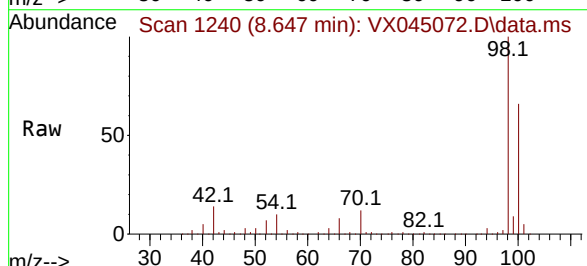
Acq: 28 Feb 2025 03:23

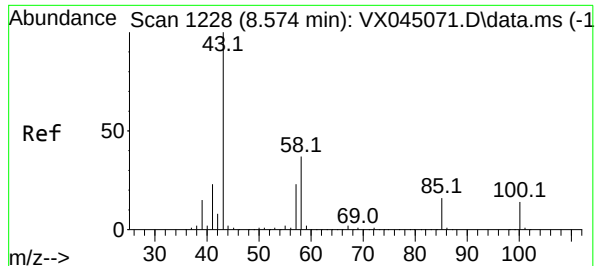
Tgt Ion: 98 Resp: 441188

Ion Ratio Lower Upper

98 100

100 65.3 52.0 78.0





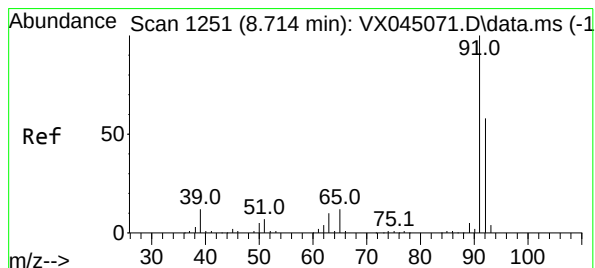
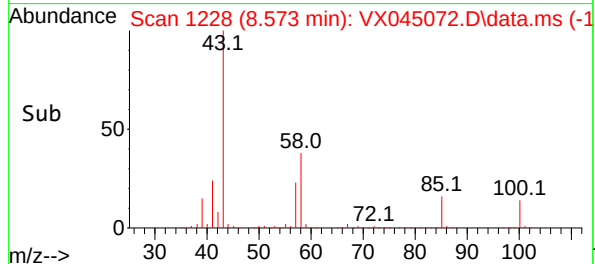
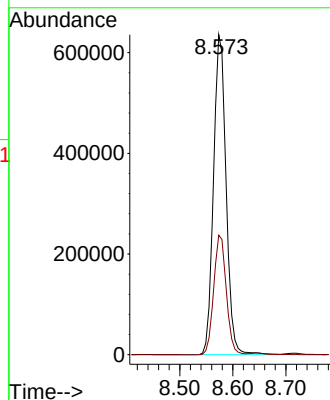
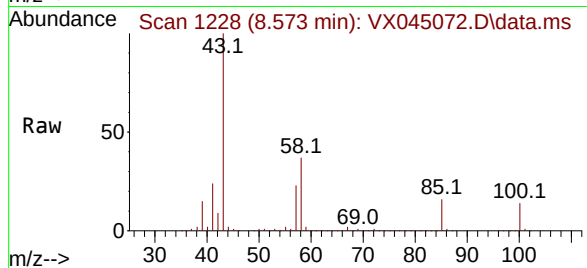
#51
4-Methyl-2-Pentanone
Concen: 555.050 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1048140
Ion Ratio Lower Upper
43 100
58 37.4 29.2 43.8

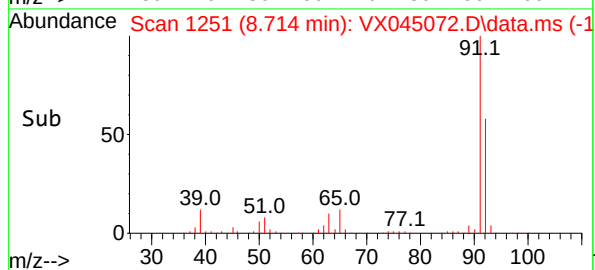
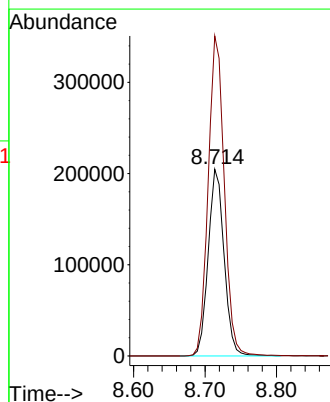
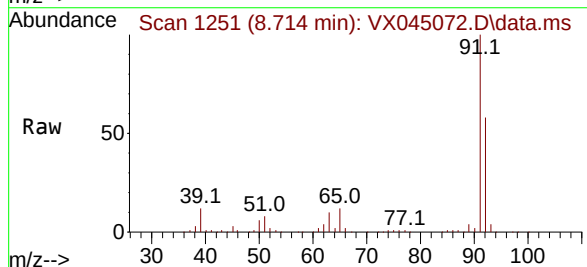
Manual Integrations
APPROVED

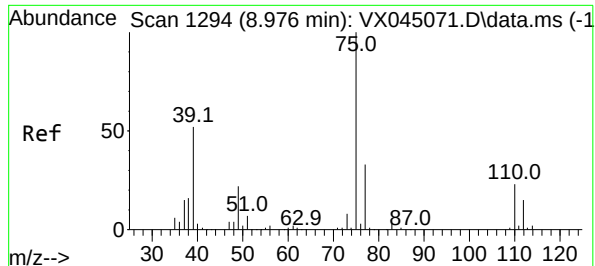
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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 :

VSTDICC100

Tgt Ion: 75 Resp: 177352

Ion Ratio Lower Upper

75 100

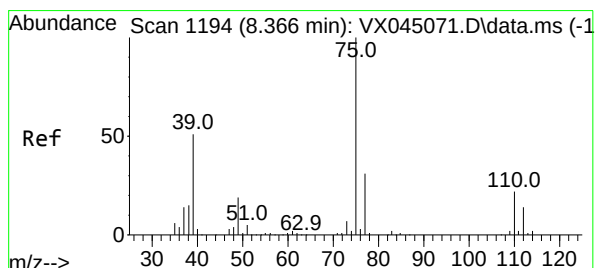
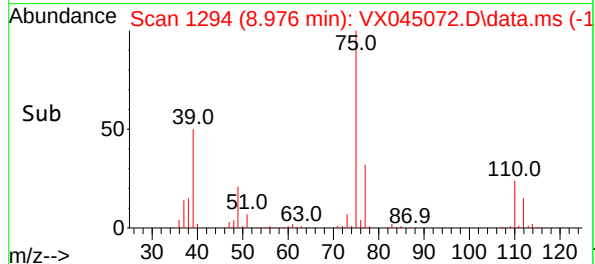
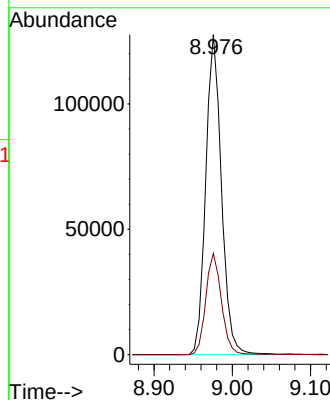
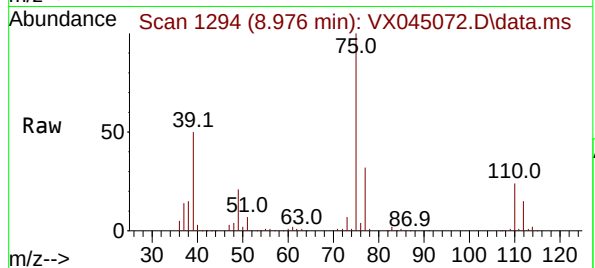
77 31.6 26.5 39.7

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

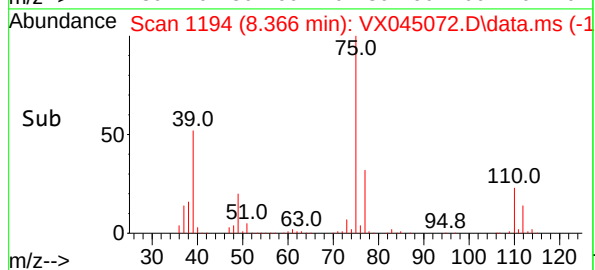
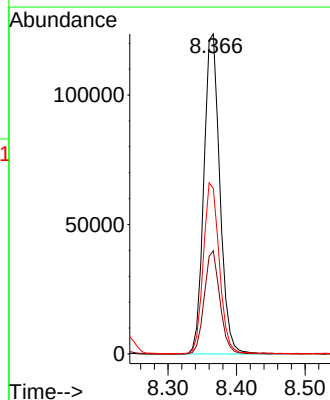
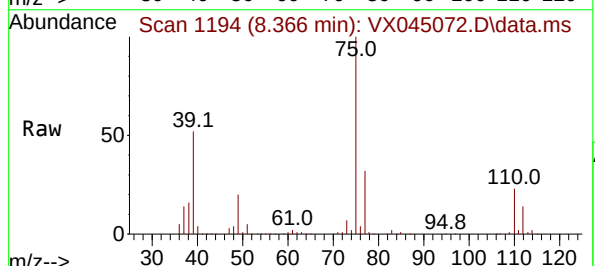
Tgt Ion: 75 Resp: 200943

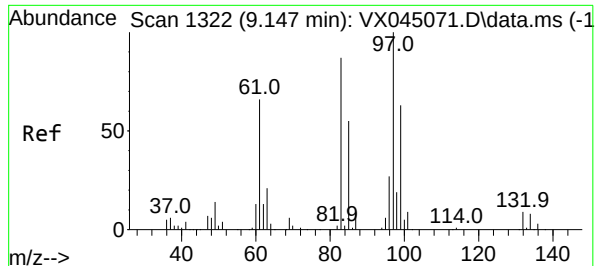
Ion Ratio Lower Upper

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

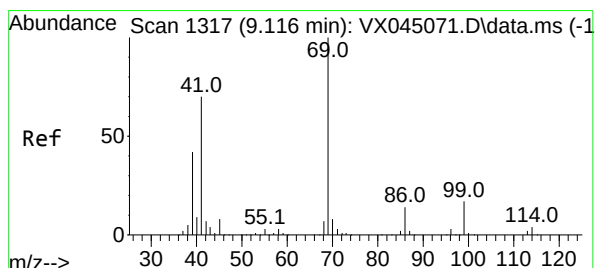
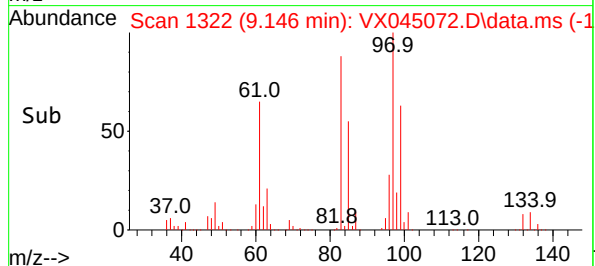
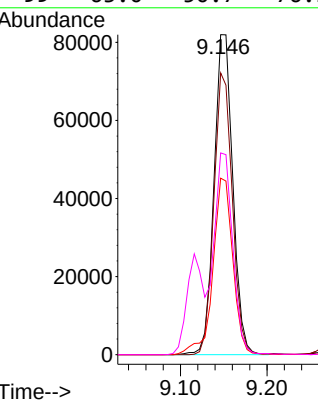
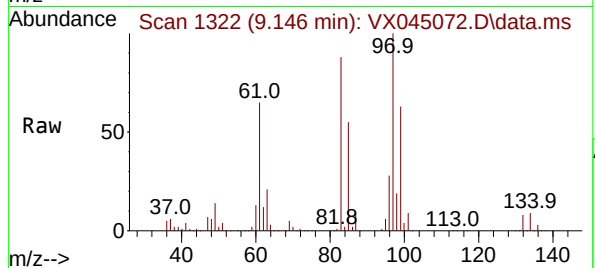
99 63.0 50.7 76.1

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

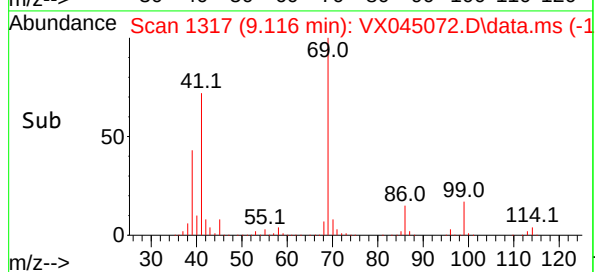
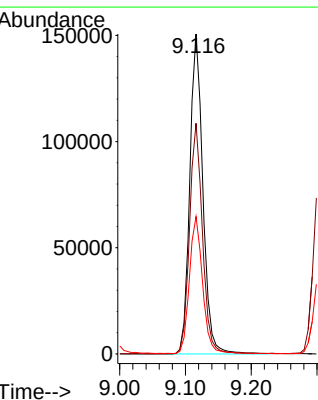
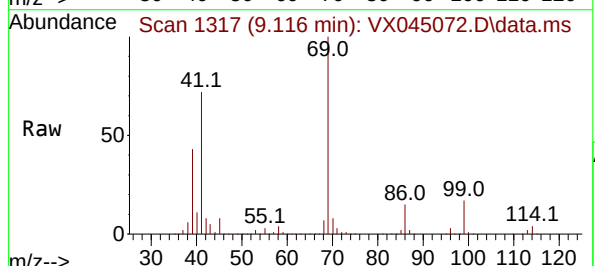
Tgt Ion: 69 Resp: 208782

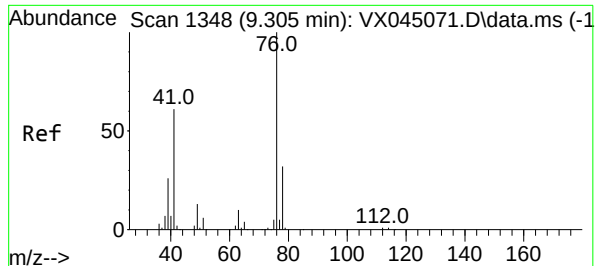
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tgt Ion: 76 Resp: 21626

Ion Ratio Lower Upper

76 100

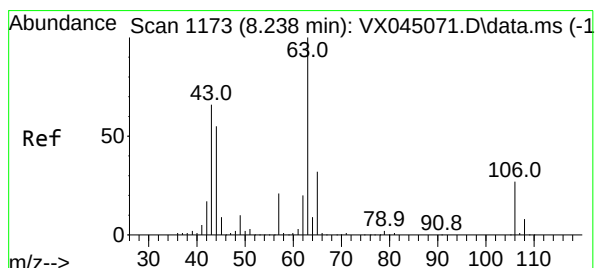
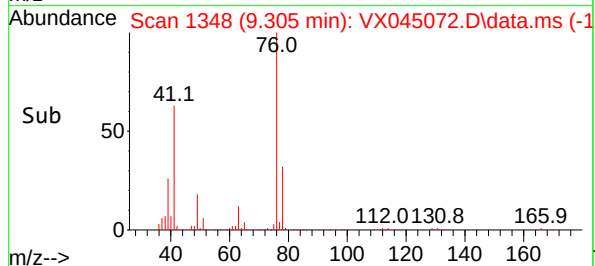
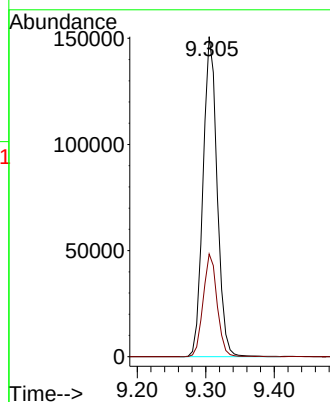
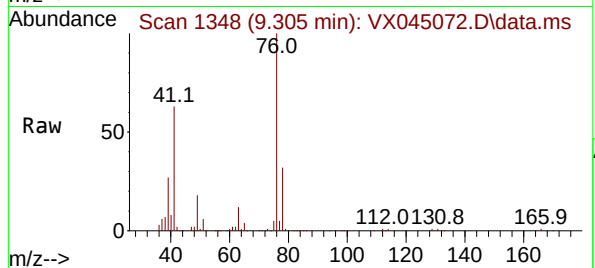
78 31.8 25.5 38.3

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

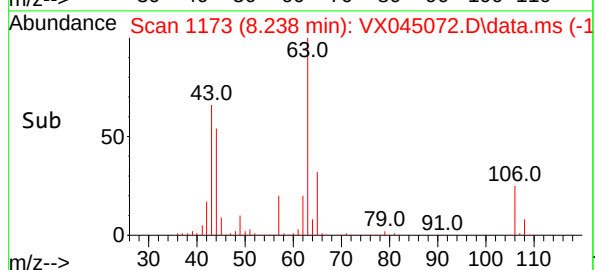
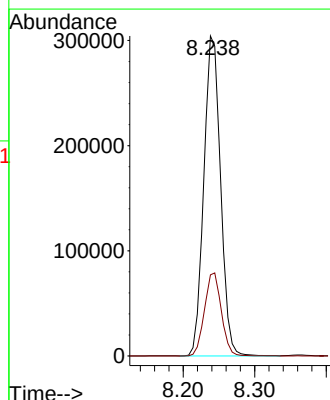
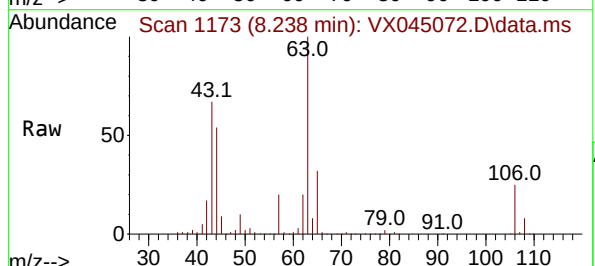
Acq: 28 Feb 2025 03:23

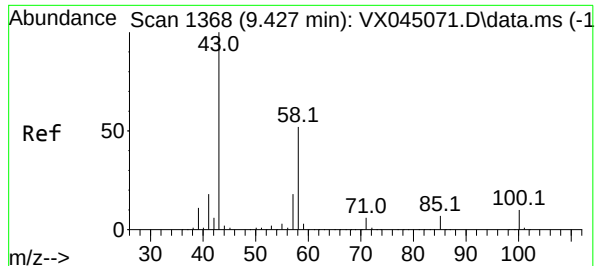
Tgt Ion: 63 Resp: 494551

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 :

VSTDICC100

Tgt Ion: 43 Resp: 779492

Ion Ratio Lower Upper

43 100

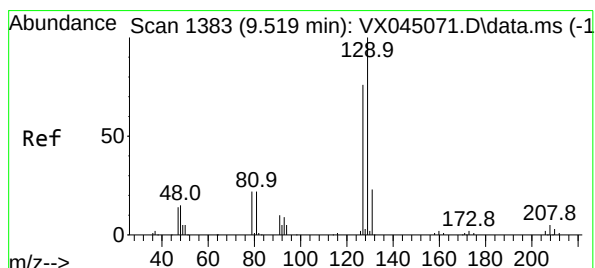
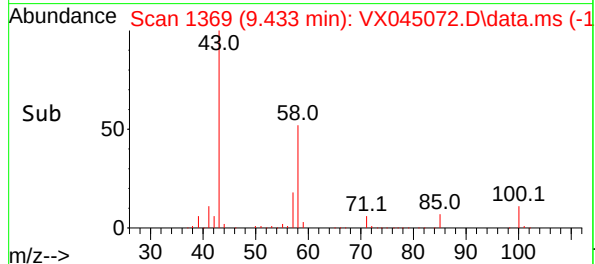
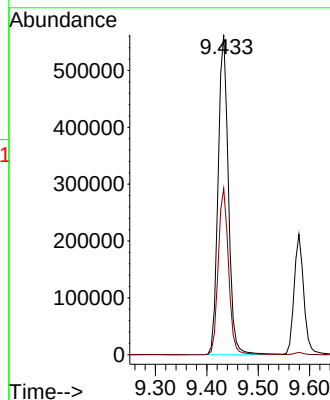
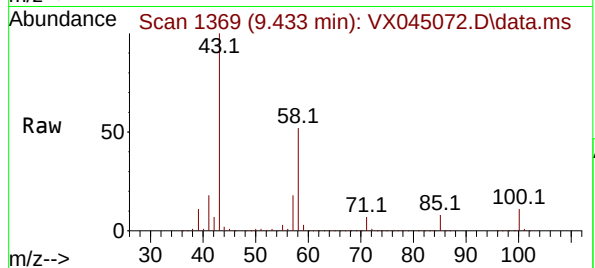
58 52.2 25.9 77.6

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

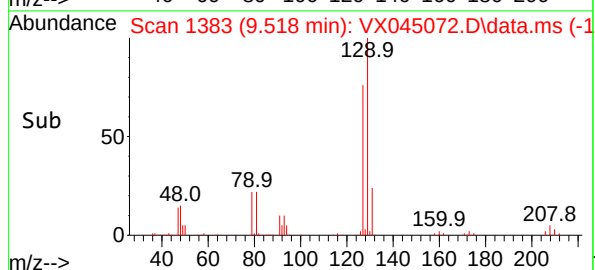
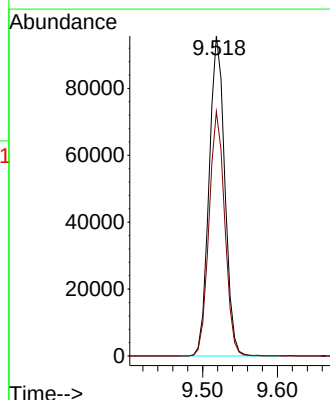
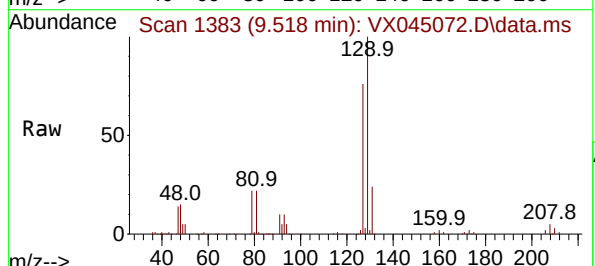
Acq: 28 Feb 2025 03:23

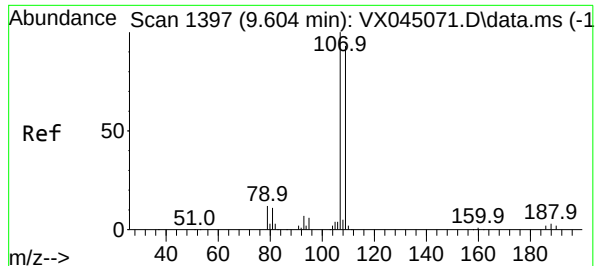
Tgt Ion:129 Resp: 139245

Ion Ratio Lower Upper

129 100

127 76.3 38.5 115.5





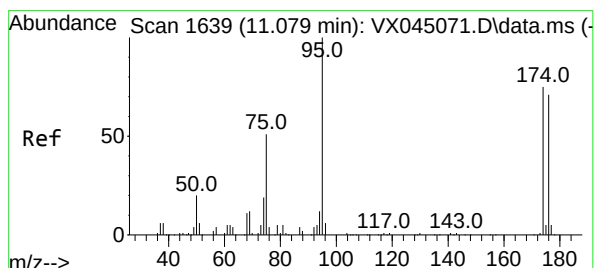
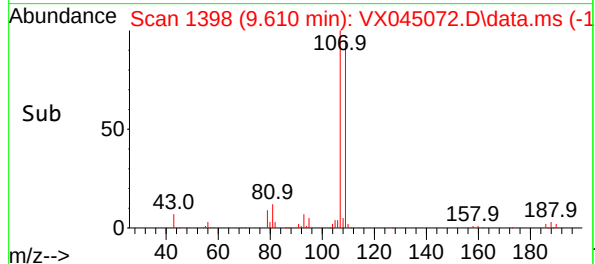
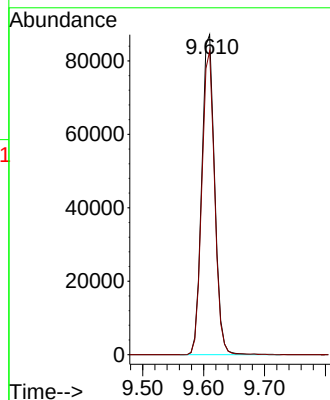
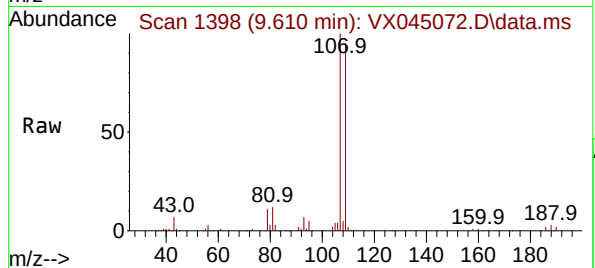
#61
1,2-Dibromoethane
Concen: 104.259 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 12861
Ion Ratio Lower Upper
107 100
109 94.3 76.1 114.1

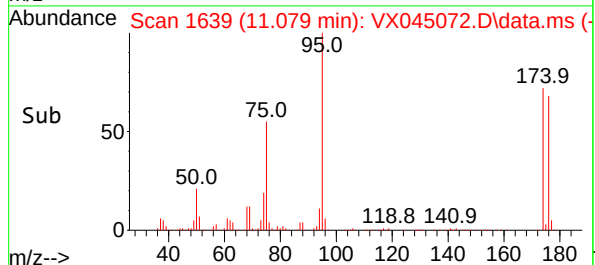
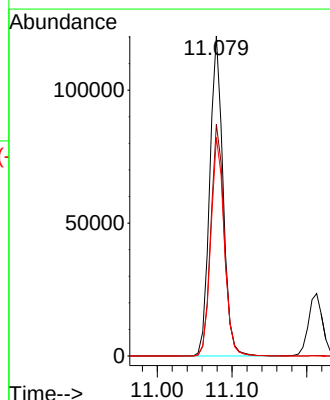
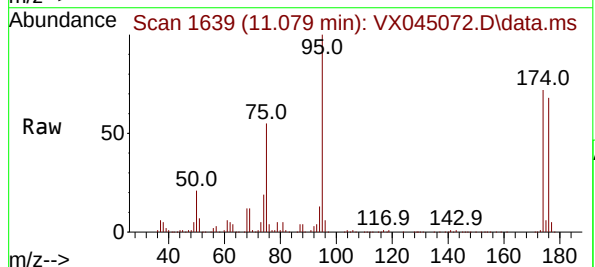
Manual Integrations
APPROVED

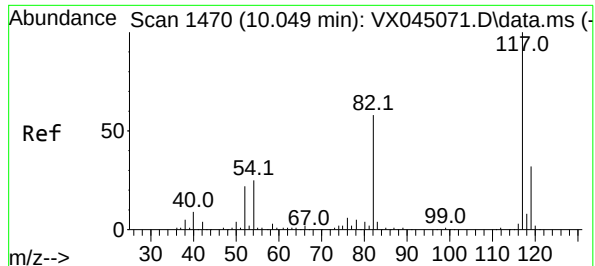
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#62
4-Bromofluorobenzene
Concen: 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 :

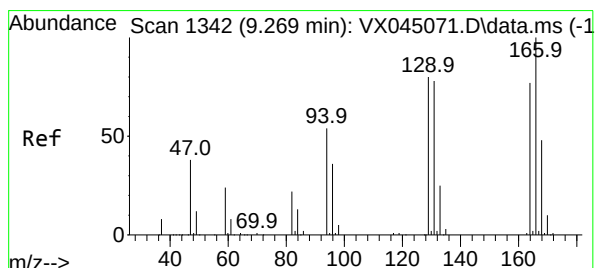
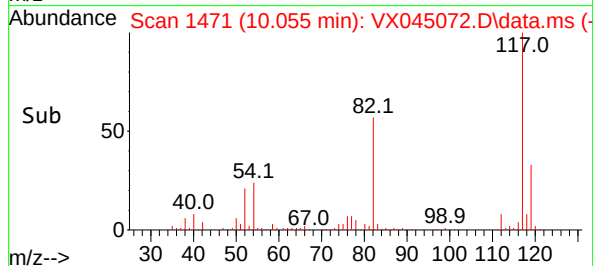
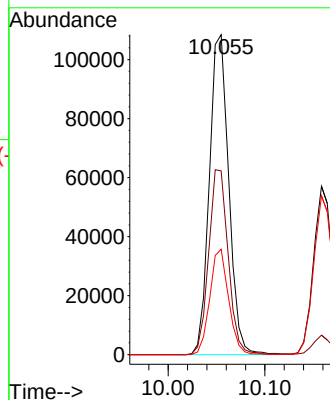
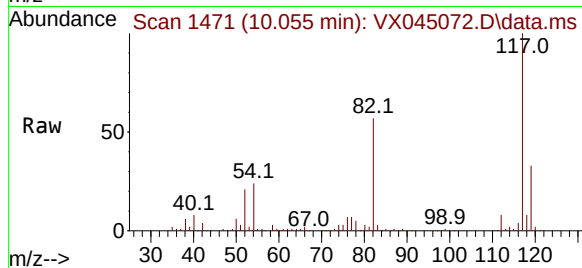
VSTDICC100

Tgt Ion:117	Resp: 15117
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

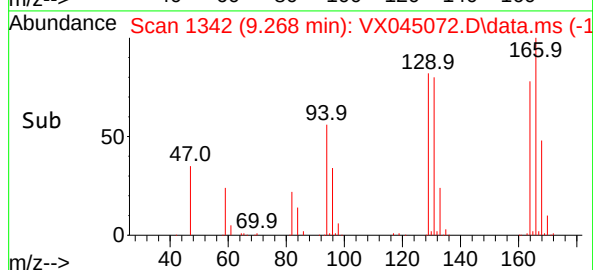
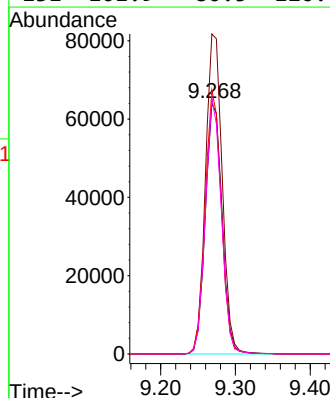
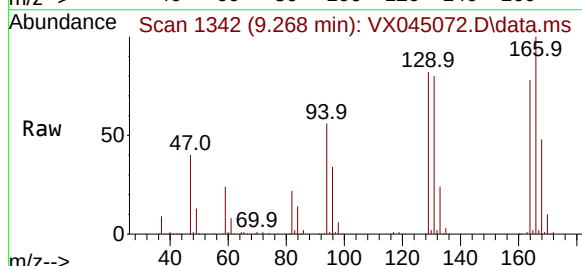
RT: 9.268 min Scan# 1342

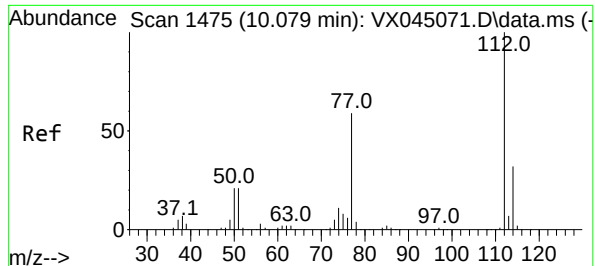
Delta R.T. -0.000 min

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





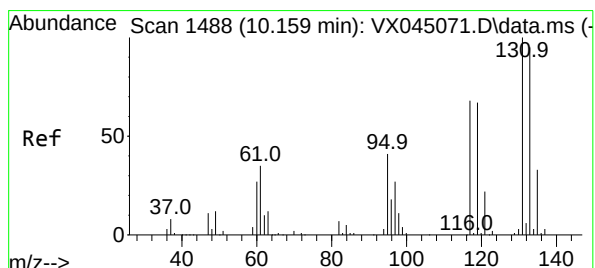
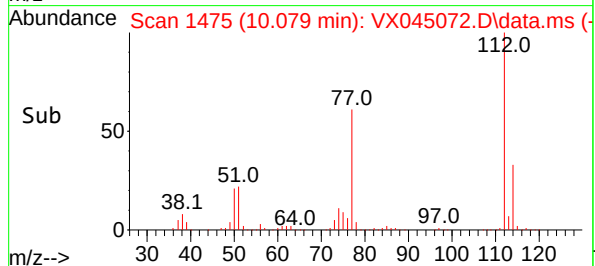
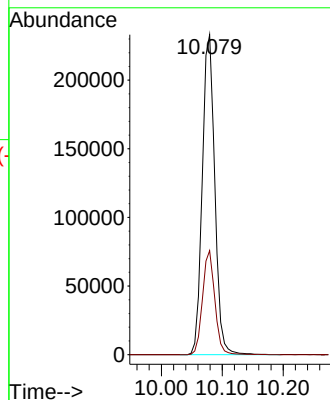
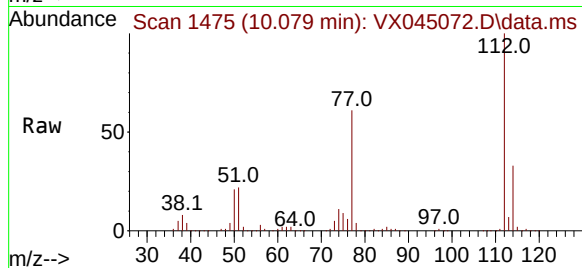
#65
Chlorobenzene
Concen: 102.456 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 33247
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0

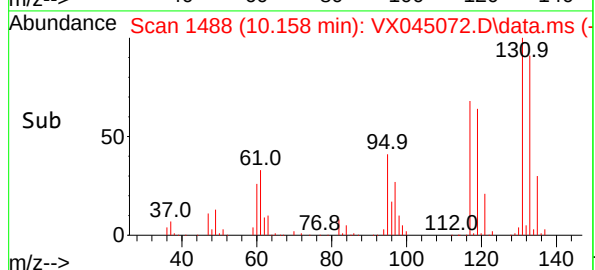
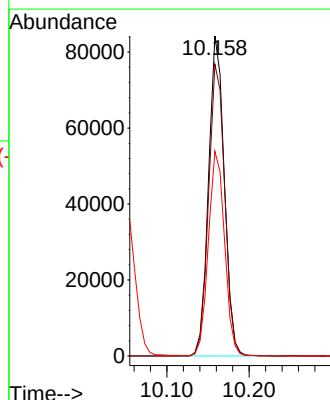
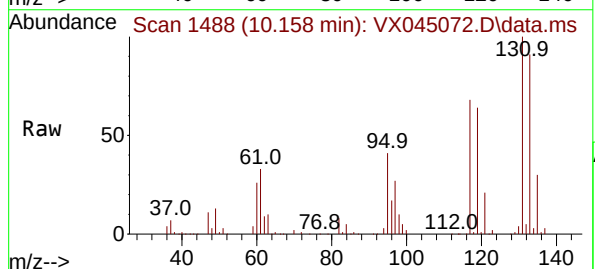
Manual Integrations
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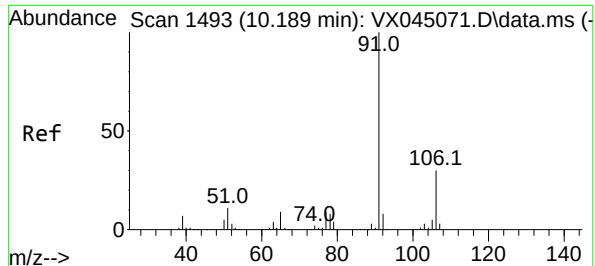
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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 :

VSTDICC100

Tgt Ion: 91 Resp: 59625

Ion Ratio Lower Upper

91 100

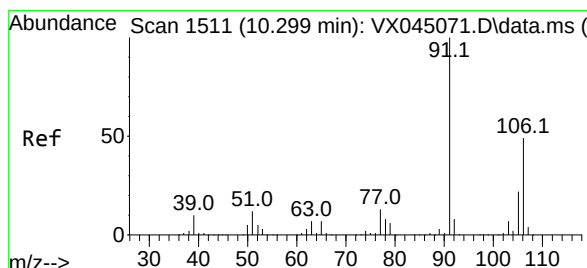
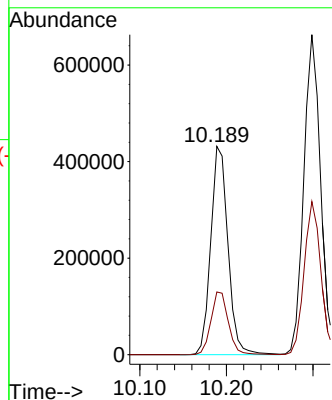
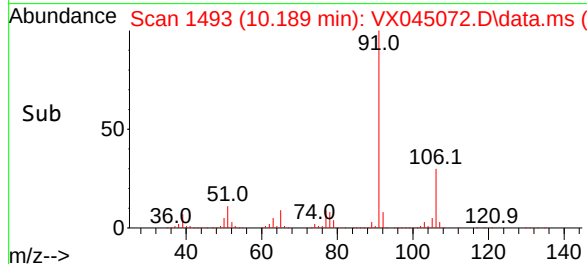
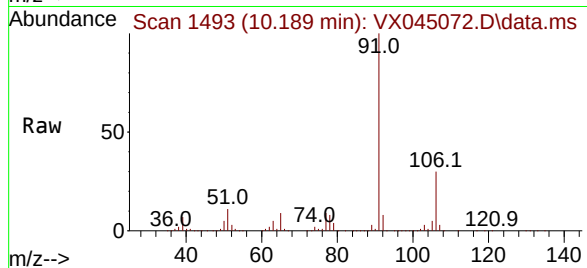
106 30.1 23.9 35.9

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

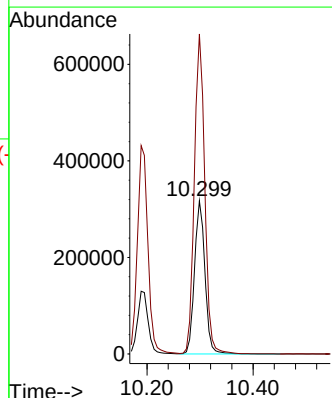
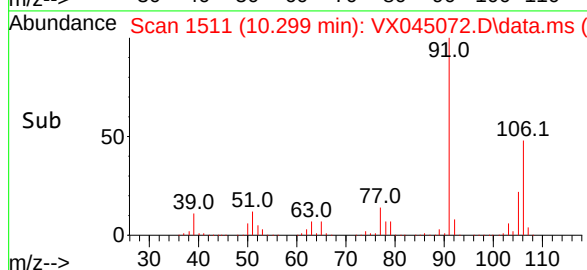
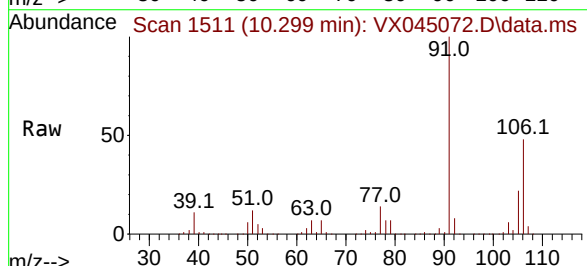
Acq: 28 Feb 2025 03:23

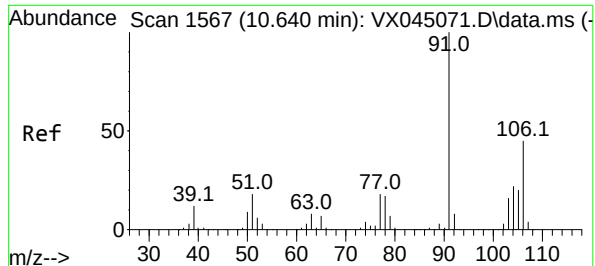
Tgt Ion:106 Resp: 432214

Ion Ratio Lower Upper

106 100

91 208.9 165.4 248.0





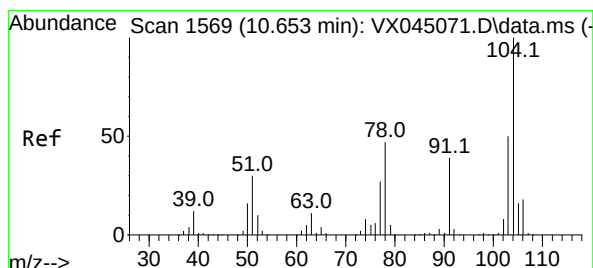
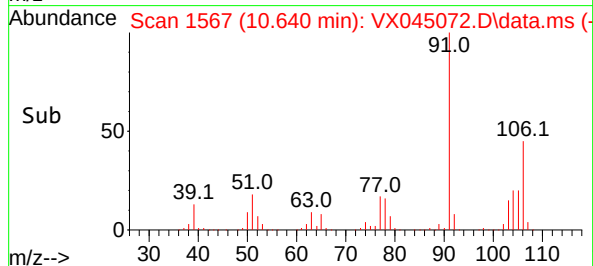
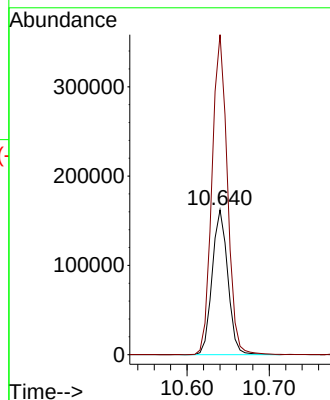
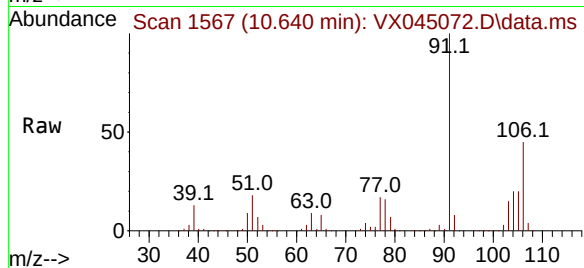
#69
o-Xylene
Concen: 100.849 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 21383
Ion Ratio Lower Upper
106 100
91 218.2 109.9 329.6

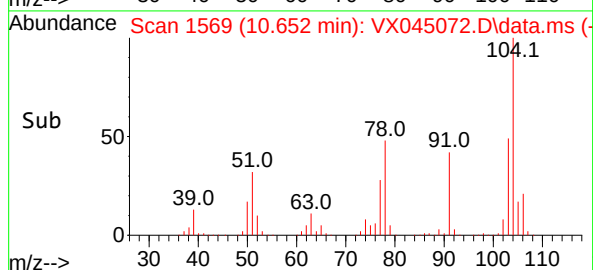
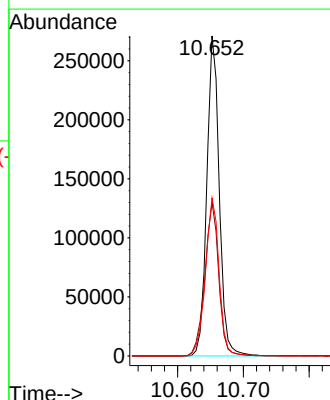
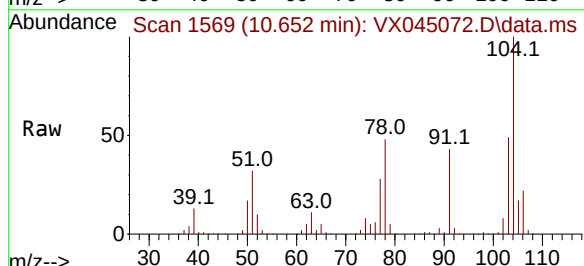
Manual Integrations
APPROVED

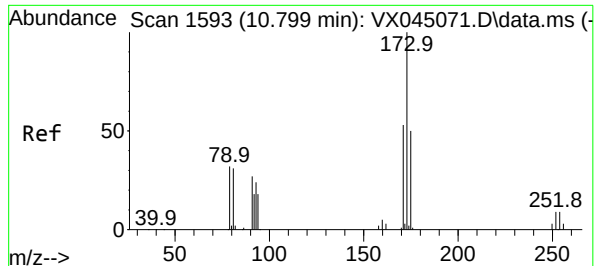
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

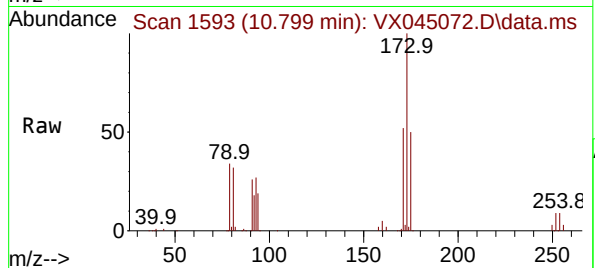
Tgt Ion:104 Resp: 357649
Ion Ratio Lower Upper
104 100
78 53.7 42.2 63.4
103 54.3 43.8 65.8





#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

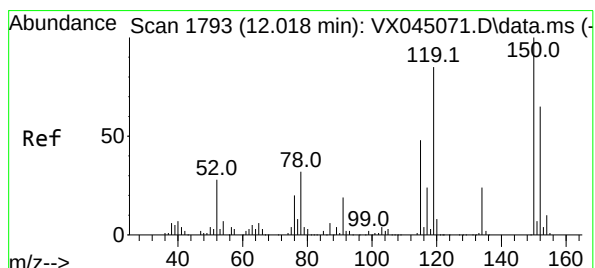
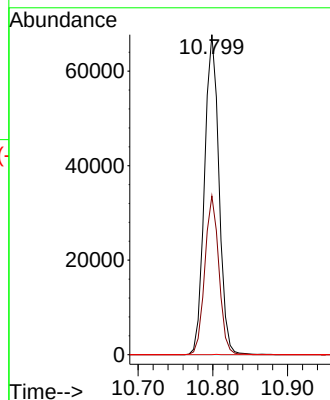
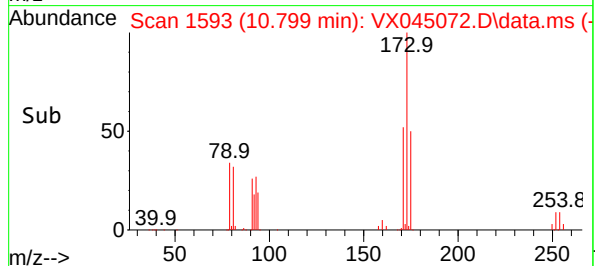
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



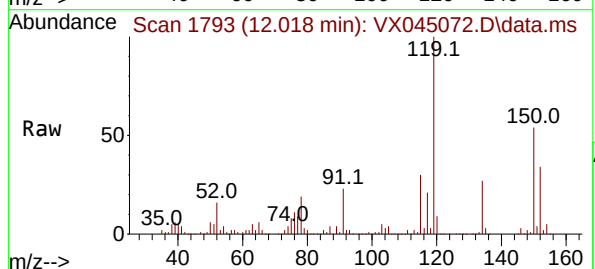
Tgt Ion:173 Resp: 90800
Ion Ratio Lower Upper
173 100
175 48.3 24.6 73.6
254 0.0 0.0 0.0

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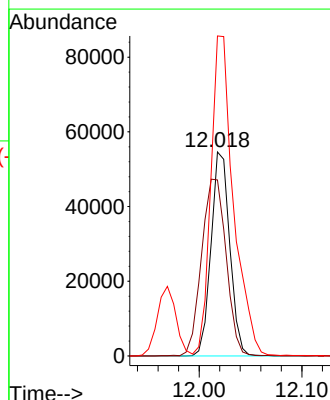
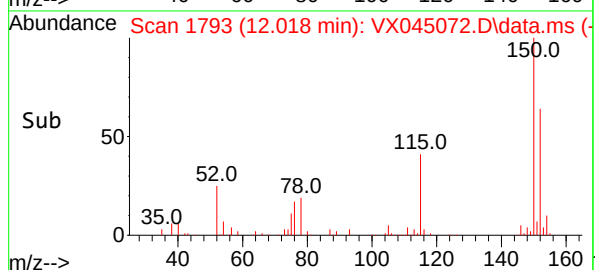
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

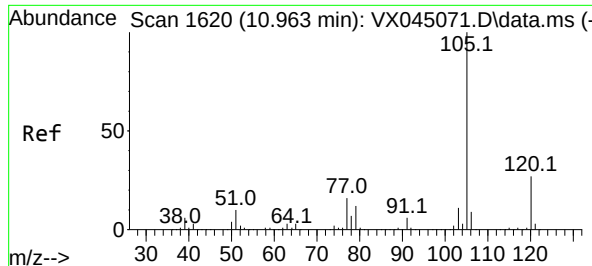


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23



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





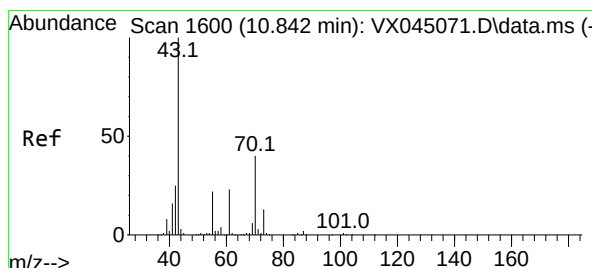
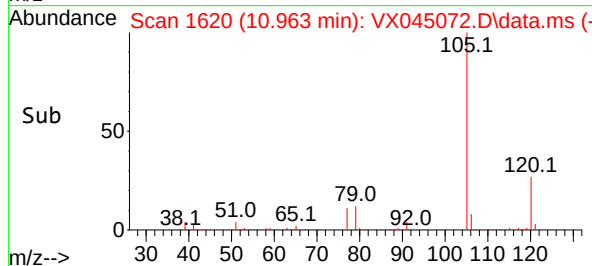
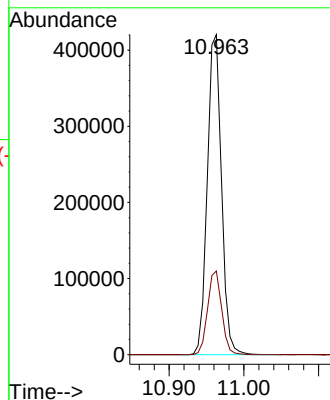
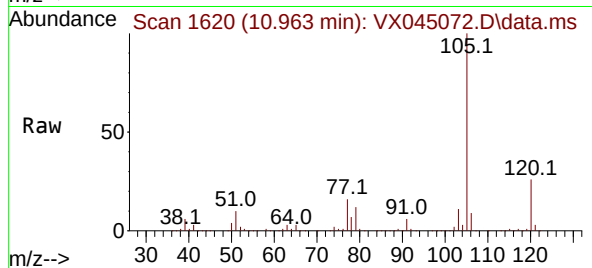
#73
Isopropylbenzene
Concen: 99.138 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 55353
Ion Ratio Lower Upper
105 100
120 26.0 13.2 39.5

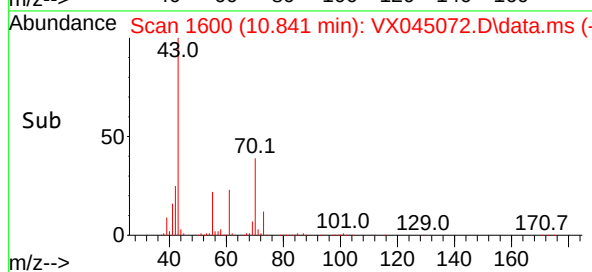
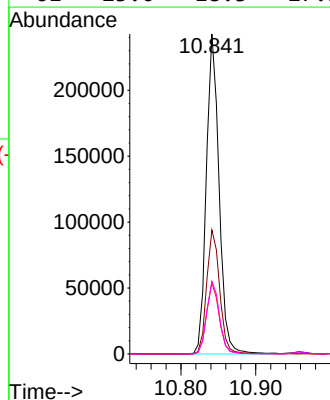
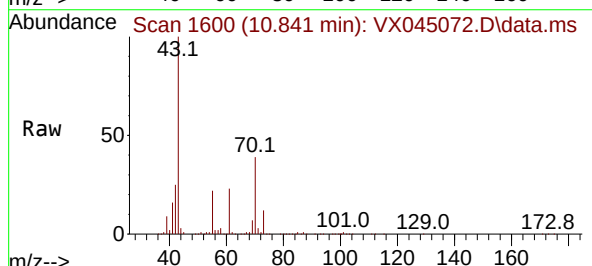
Manual Integrations
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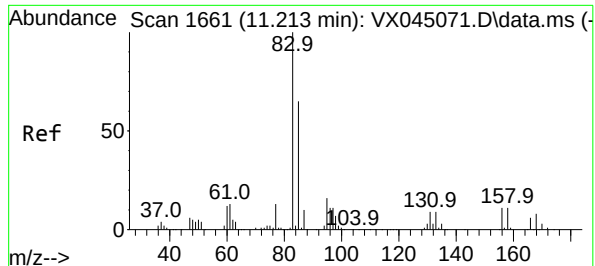
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





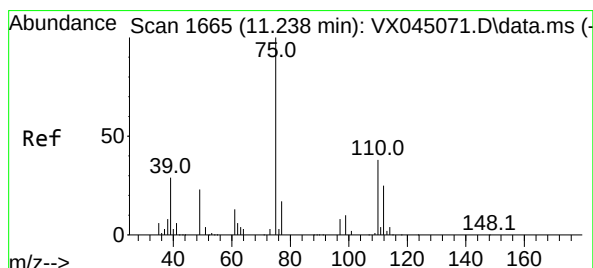
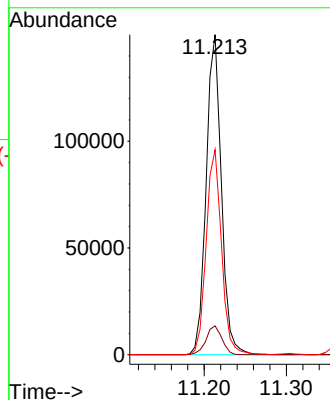
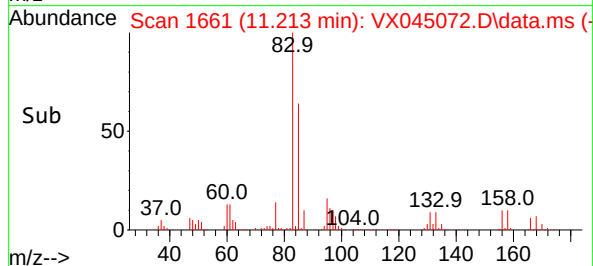
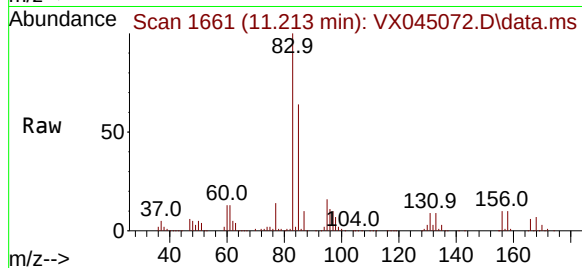
#75
1,1,2,2-Tetrachloroethane
Concen: 99.923 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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

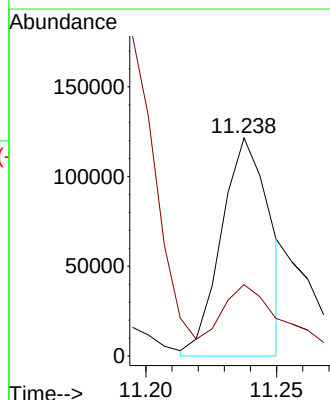
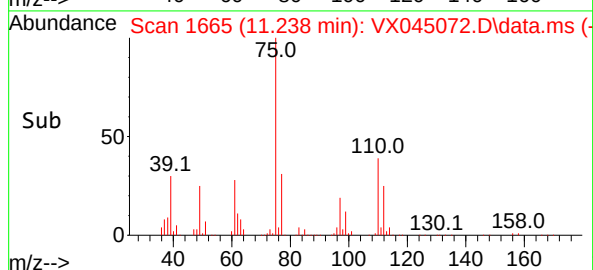
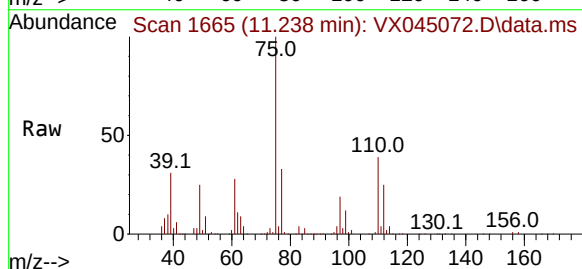
Manual Integrations
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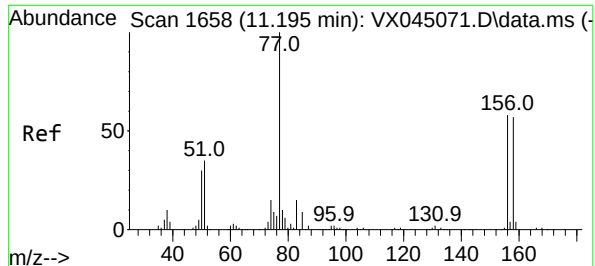
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

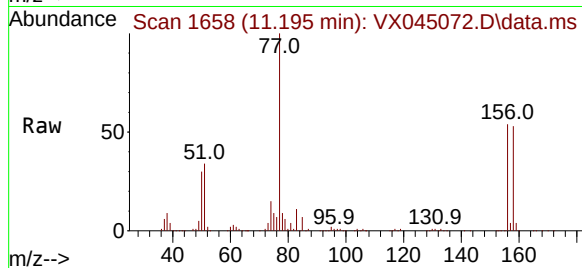
Tgt Ion: 75 Resp: 156259
Ion Ratio Lower Upper
75 100
77 42.7 20.7 62.1





#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

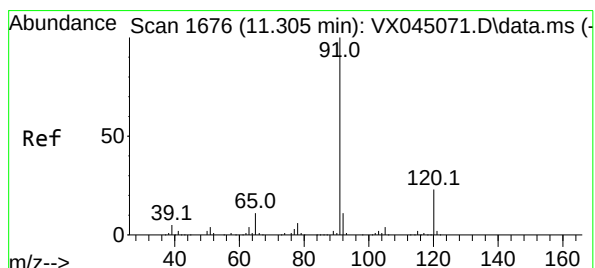
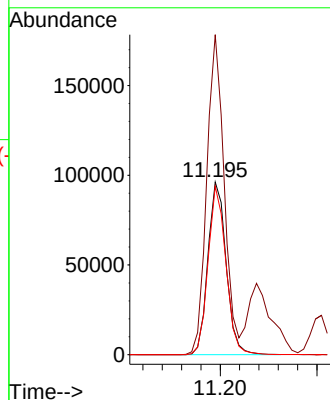
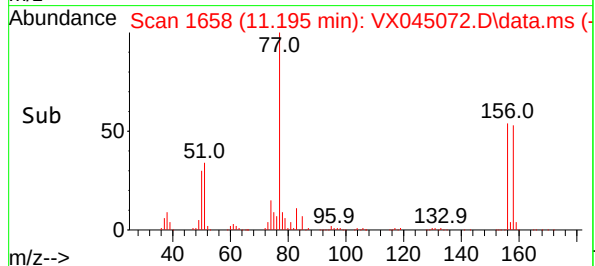
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100



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

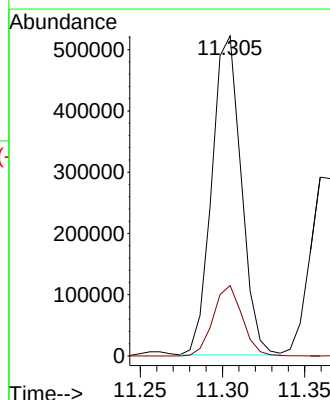
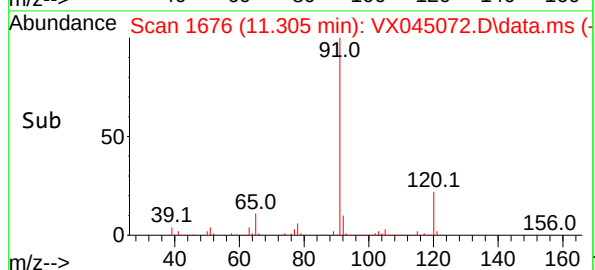
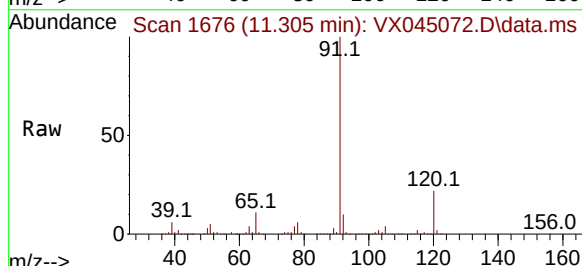
Manual Integrations
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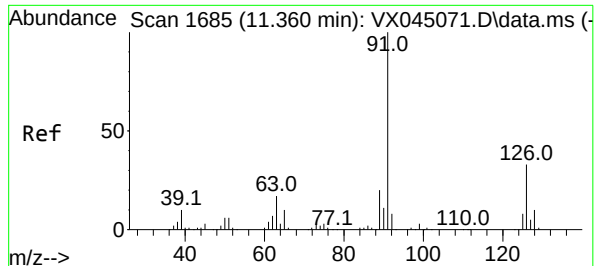
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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# 1

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

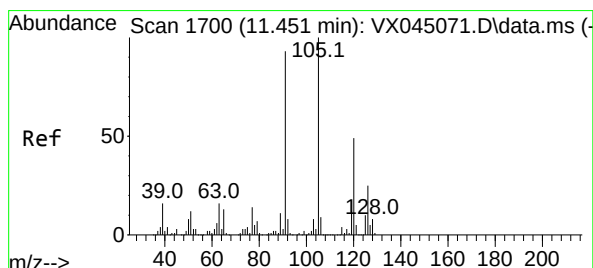
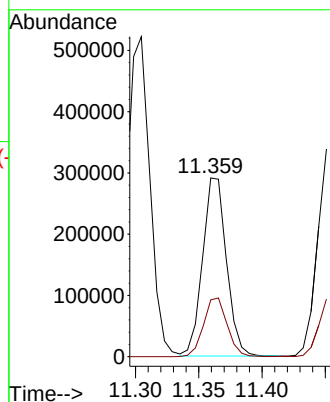
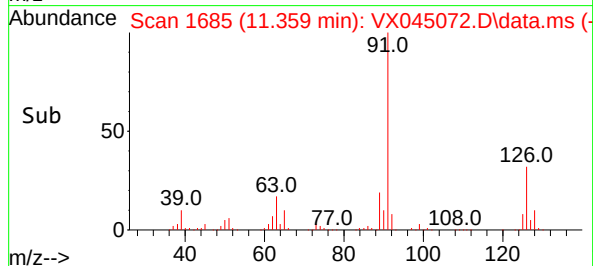
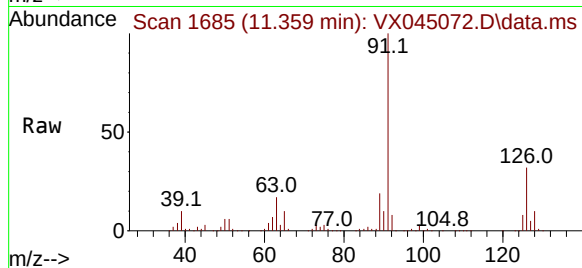
126 32.7 16.4 49.4

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

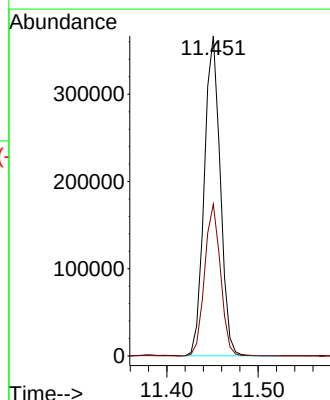
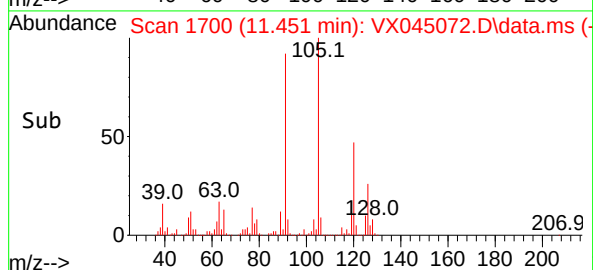
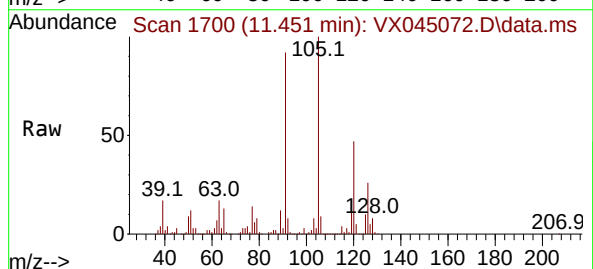
Acq: 28 Feb 2025 03:23

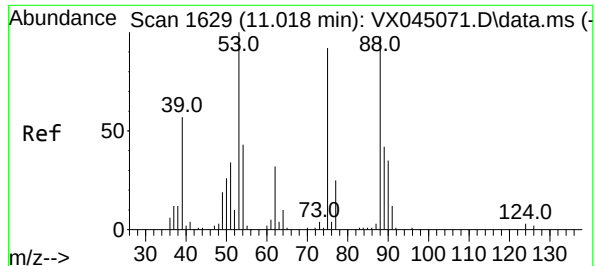
Tgt Ion:105 Resp: 445466

Ion Ratio Lower Upper

105 100

120 47.1 24.1 72.2





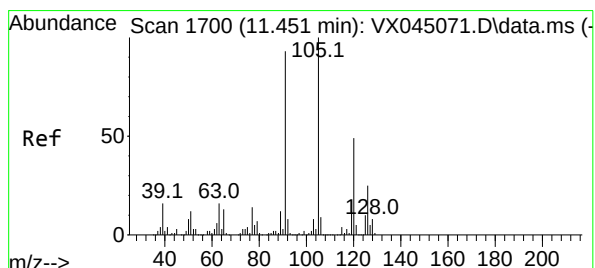
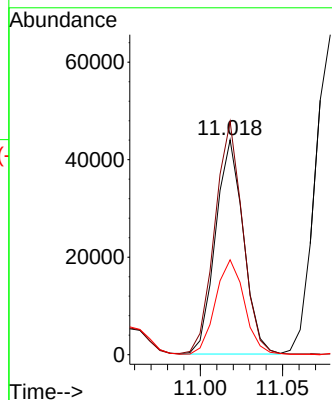
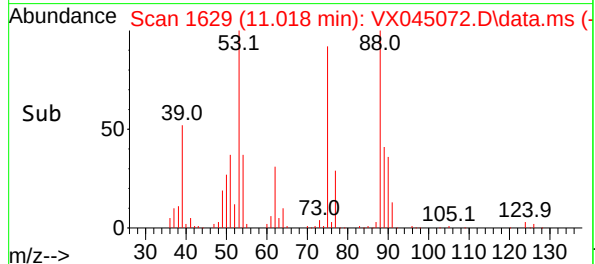
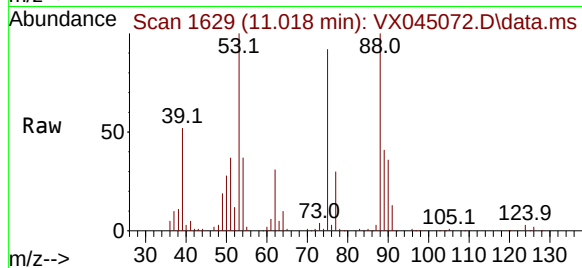
#81
trans-1,4-Dichloro-2-butene
Concen: 91.460 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

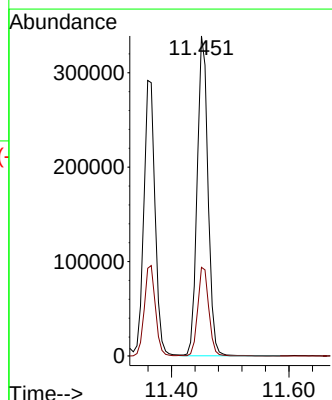
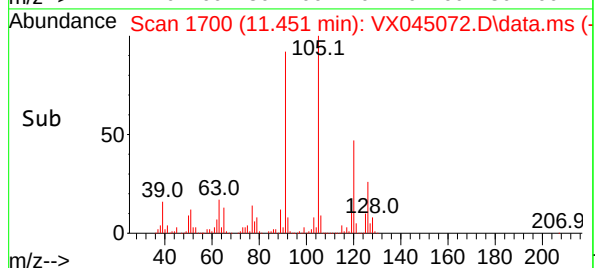
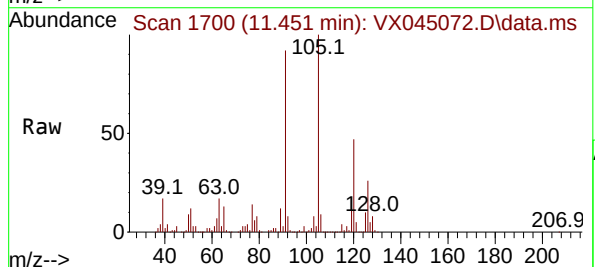
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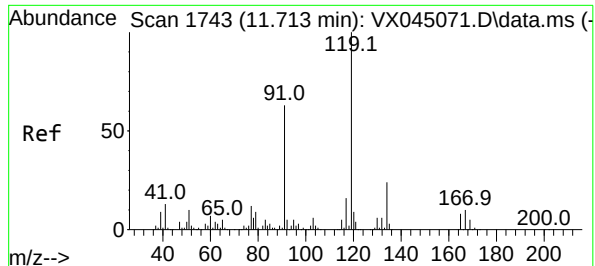
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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 :

VSTDIC100

Tgt Ion:119 Resp: 454859

Ion Ratio Lower Upper

119 100

91 61.7 30.7 92.1

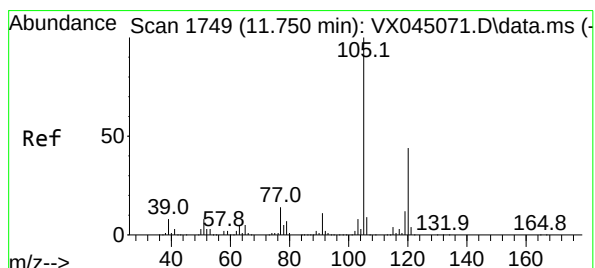
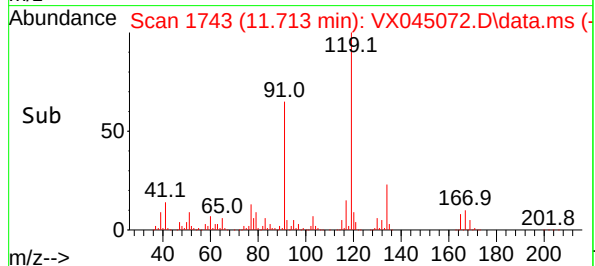
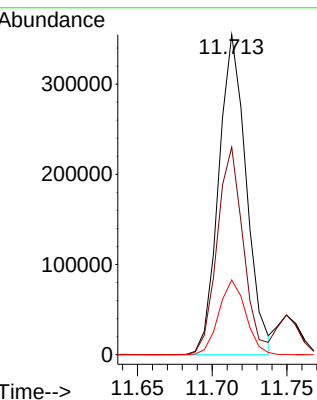
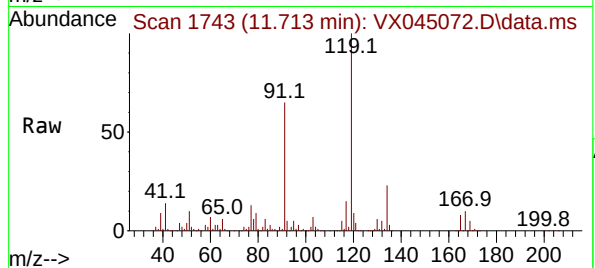
134 22.8 11.7 35.0

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

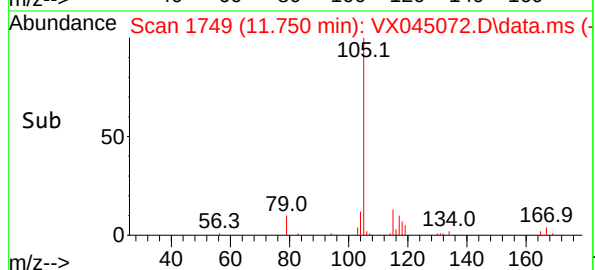
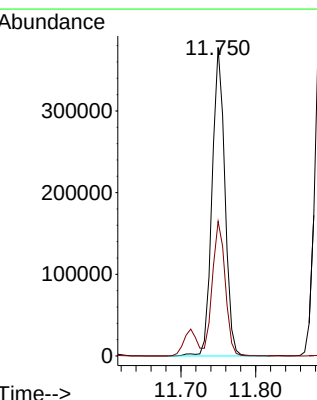
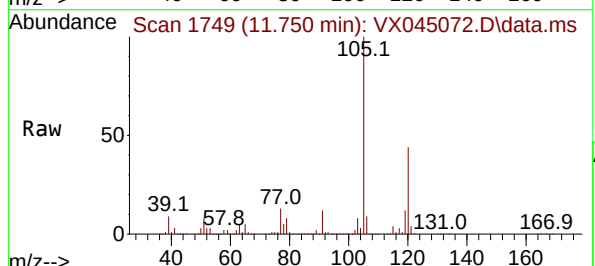
Acq: 28 Feb 2025 03:23

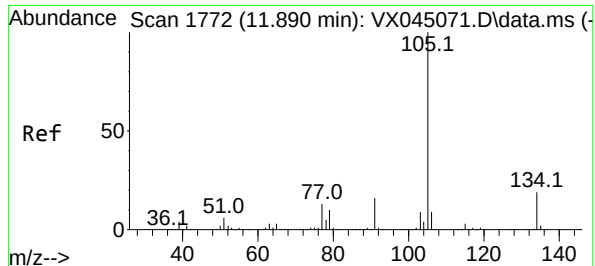
Tgt Ion:105 Resp: 450108

Ion Ratio Lower Upper

105 100

120 43.4 22.1 66.1





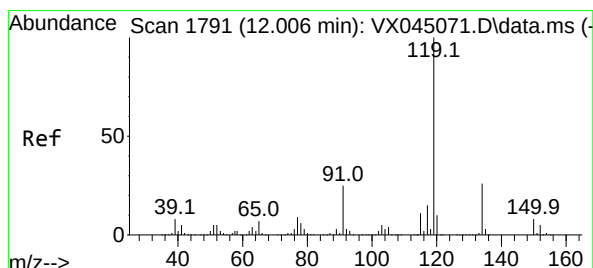
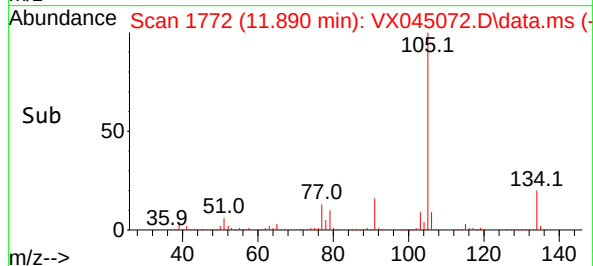
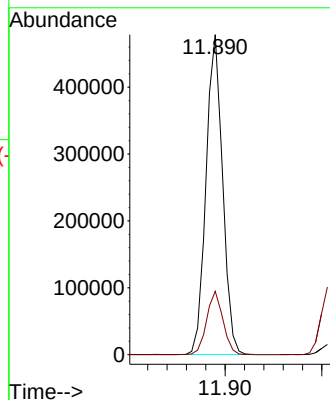
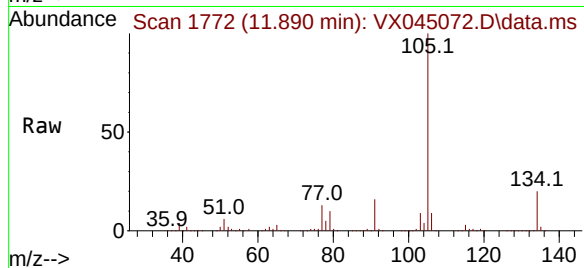
#85
sec-Butylbenzene
Concen: 100.517 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 570000
Ion Ratio Lower Upper
105 100
134 19.6 9.8 29.4

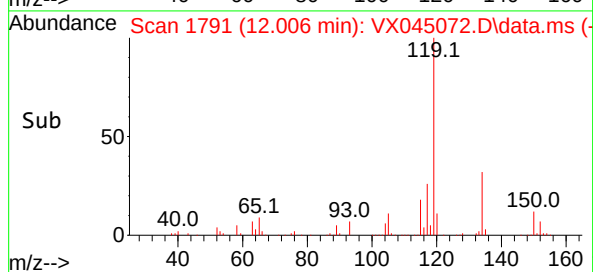
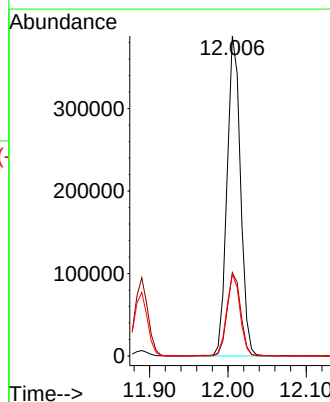
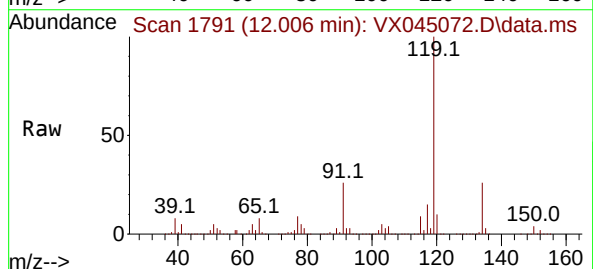
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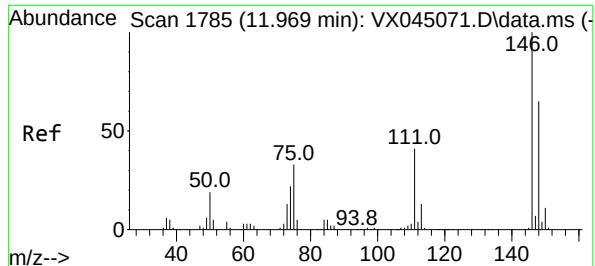
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

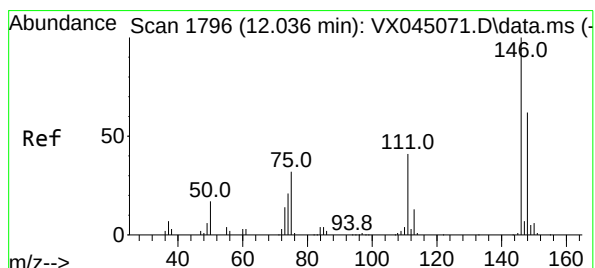
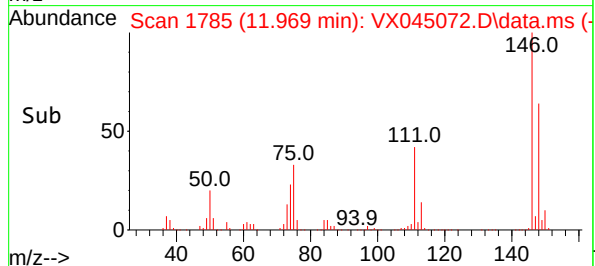
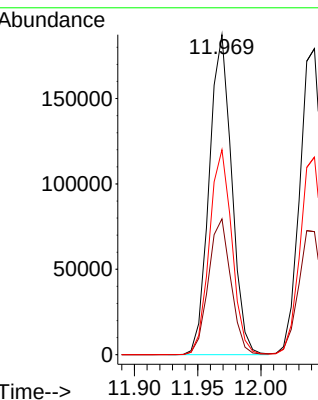
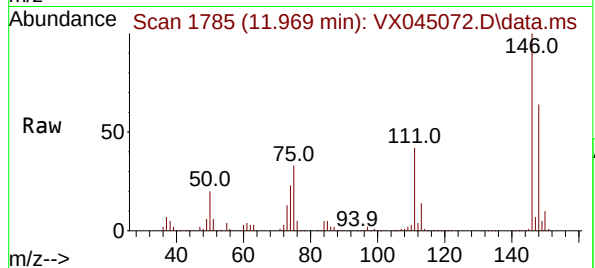
148 64.1 31.9 95.7

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

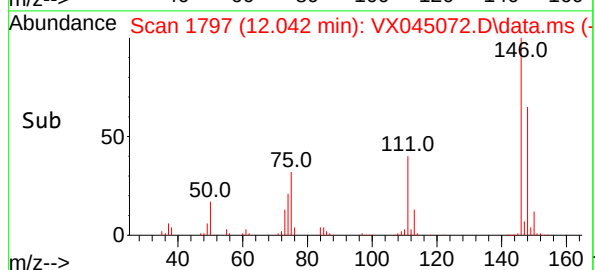
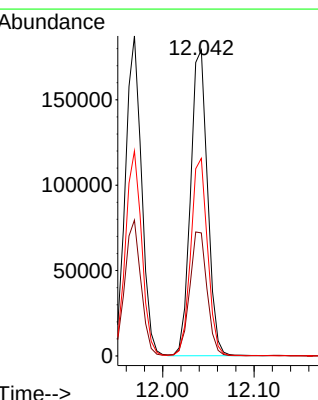
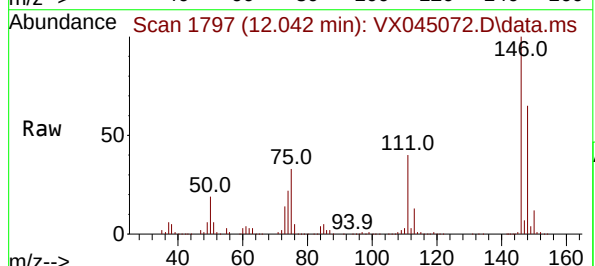
Tgt Ion:146 Resp: 230663

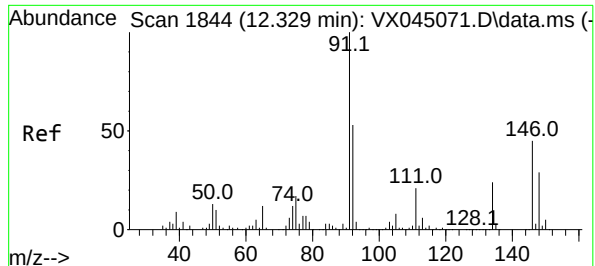
Ion Ratio Lower Upper

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

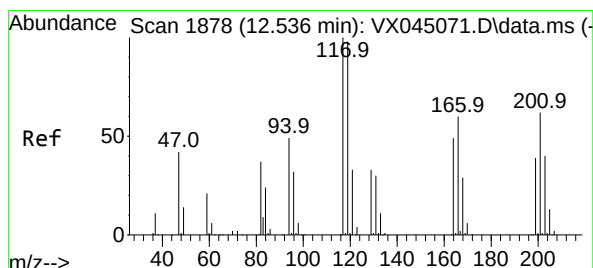
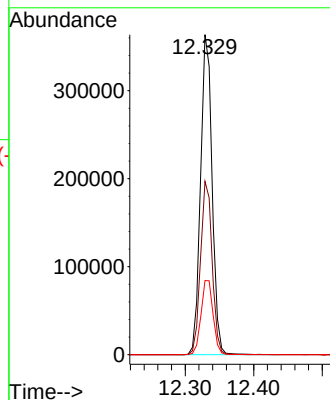
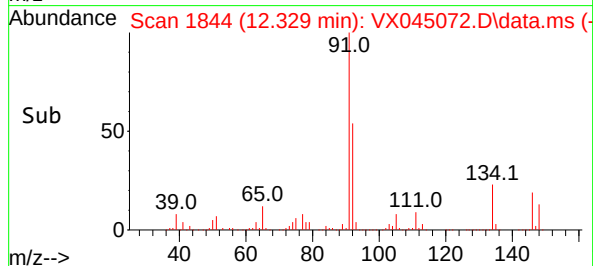
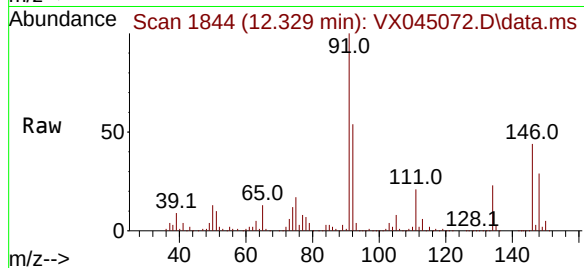
134 24.2 12.2 36.6

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

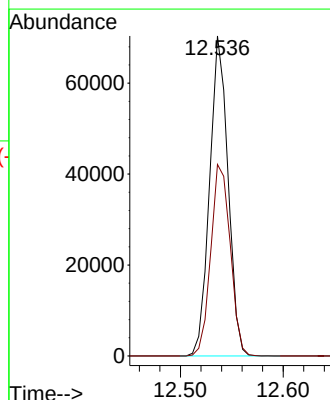
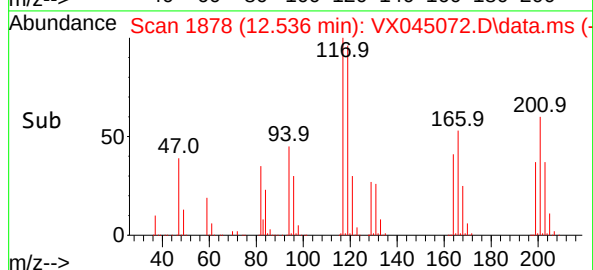
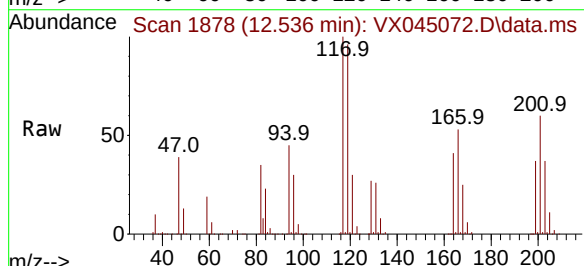
Acq: 28 Feb 2025 03:23

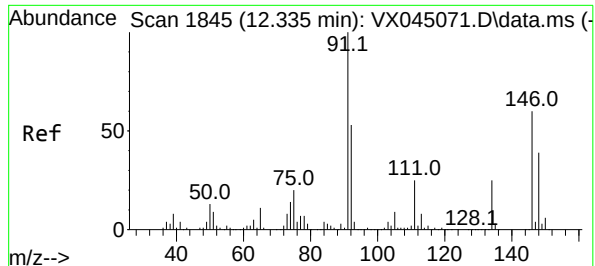
Tgt Ion:117 Resp: 87448

Ion Ratio Lower Upper

117 100

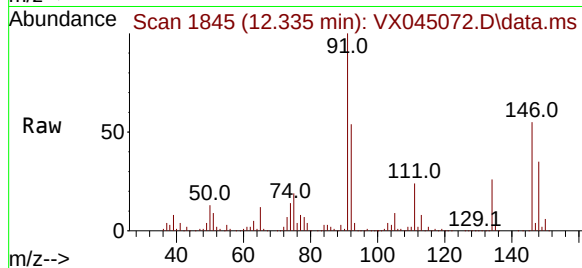
201 63.4 31.9 95.9





#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

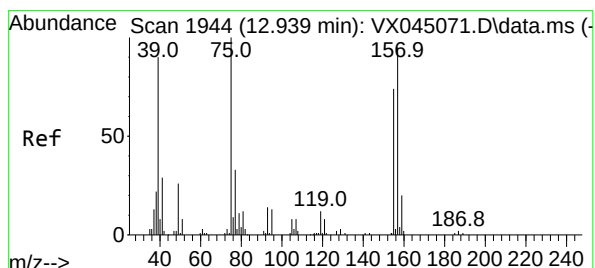
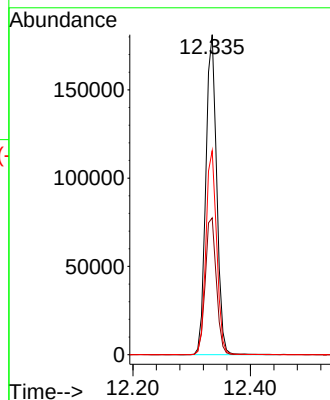
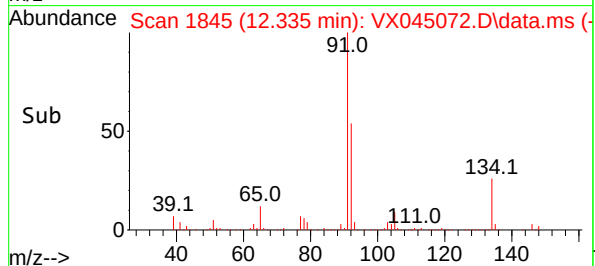
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100



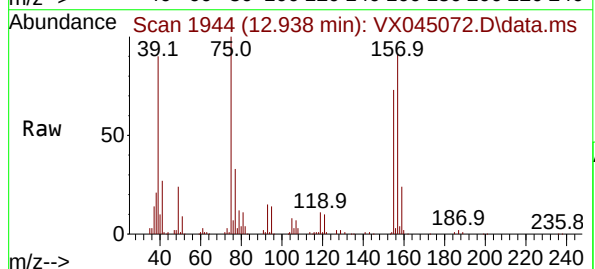
Tgt Ion:146 Resp: 23312
Ion Ratio Lower Upper
146 100
111 43.7 21.6 65.0
148 63.2 31.9 95.9

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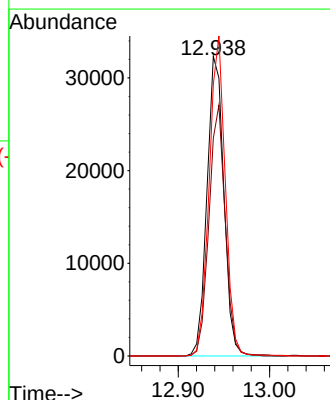
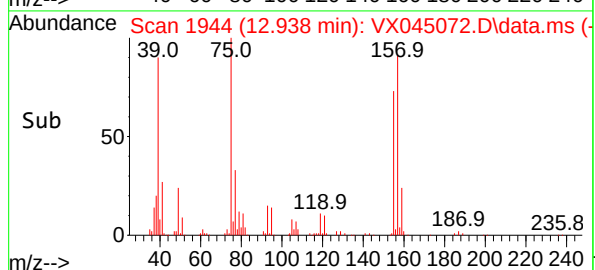
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

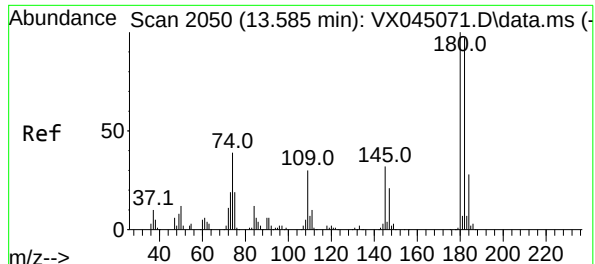


#92
1,2-Dibromo-3-Chloropropane
Concen: 116.296 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23



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: 14836

Ion Ratio Lower Upper

180 100

182 95.1 47.3 141.9

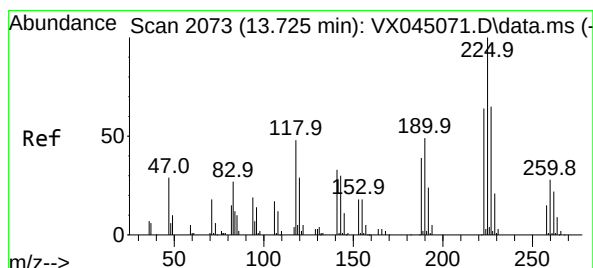
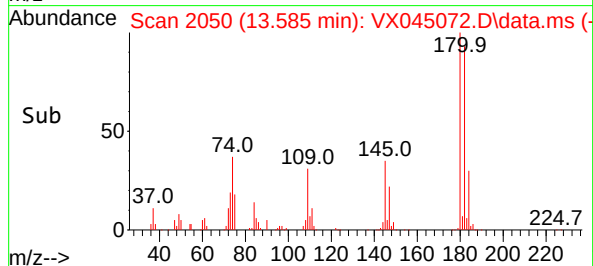
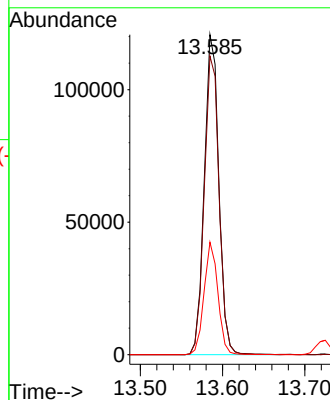
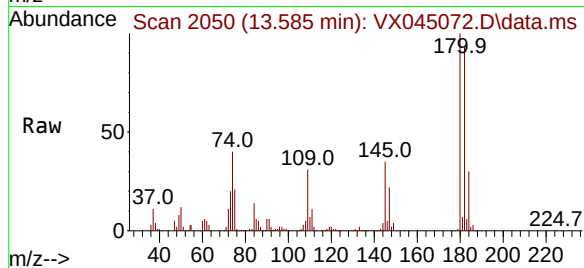
145 33.6 16.3 48.9

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

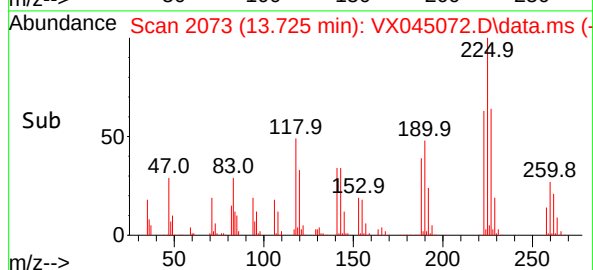
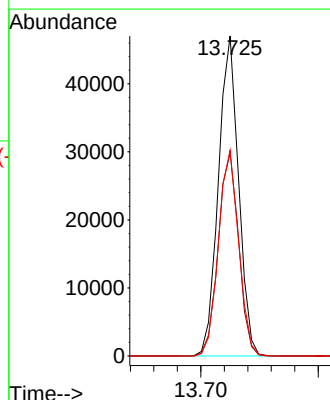
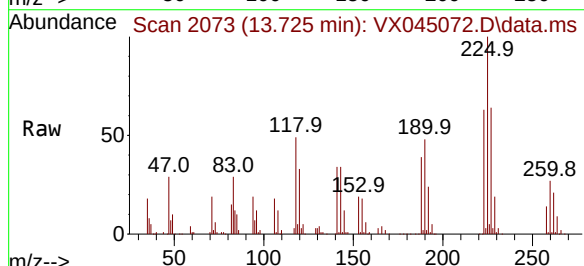
Tgt Ion:225 Resp: 56065

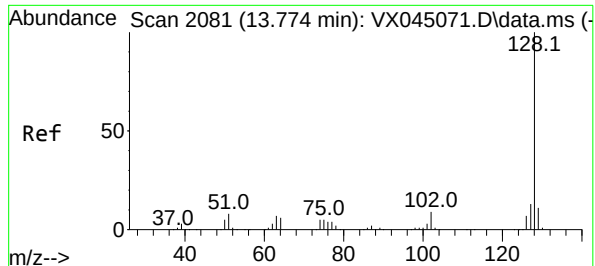
Ion Ratio Lower Upper

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 :

VSTDIC100

Tgt Ion:128 Resp: 565250

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

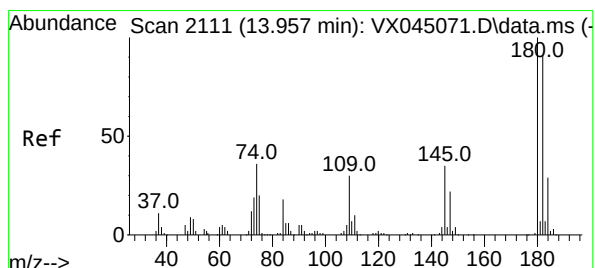
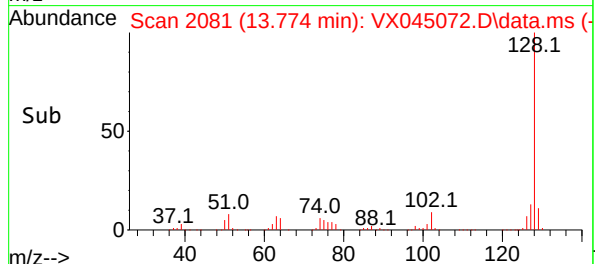
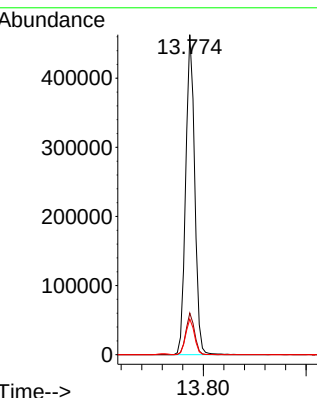
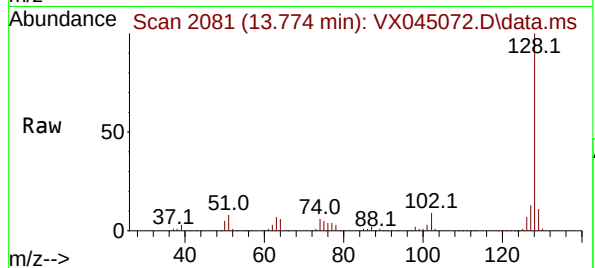
129 10.9 8.7 13.1

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

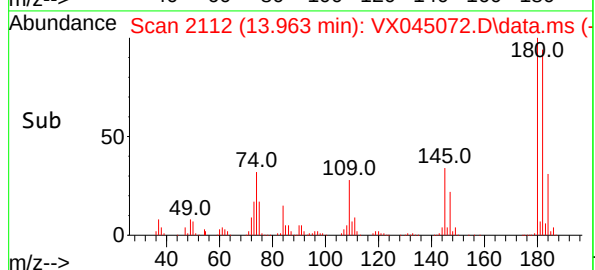
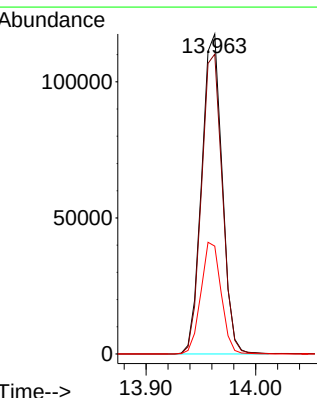
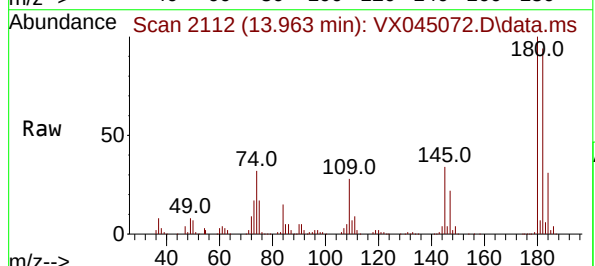
Tgt Ion:180 Resp: 152970

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)
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(#) = 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 : 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

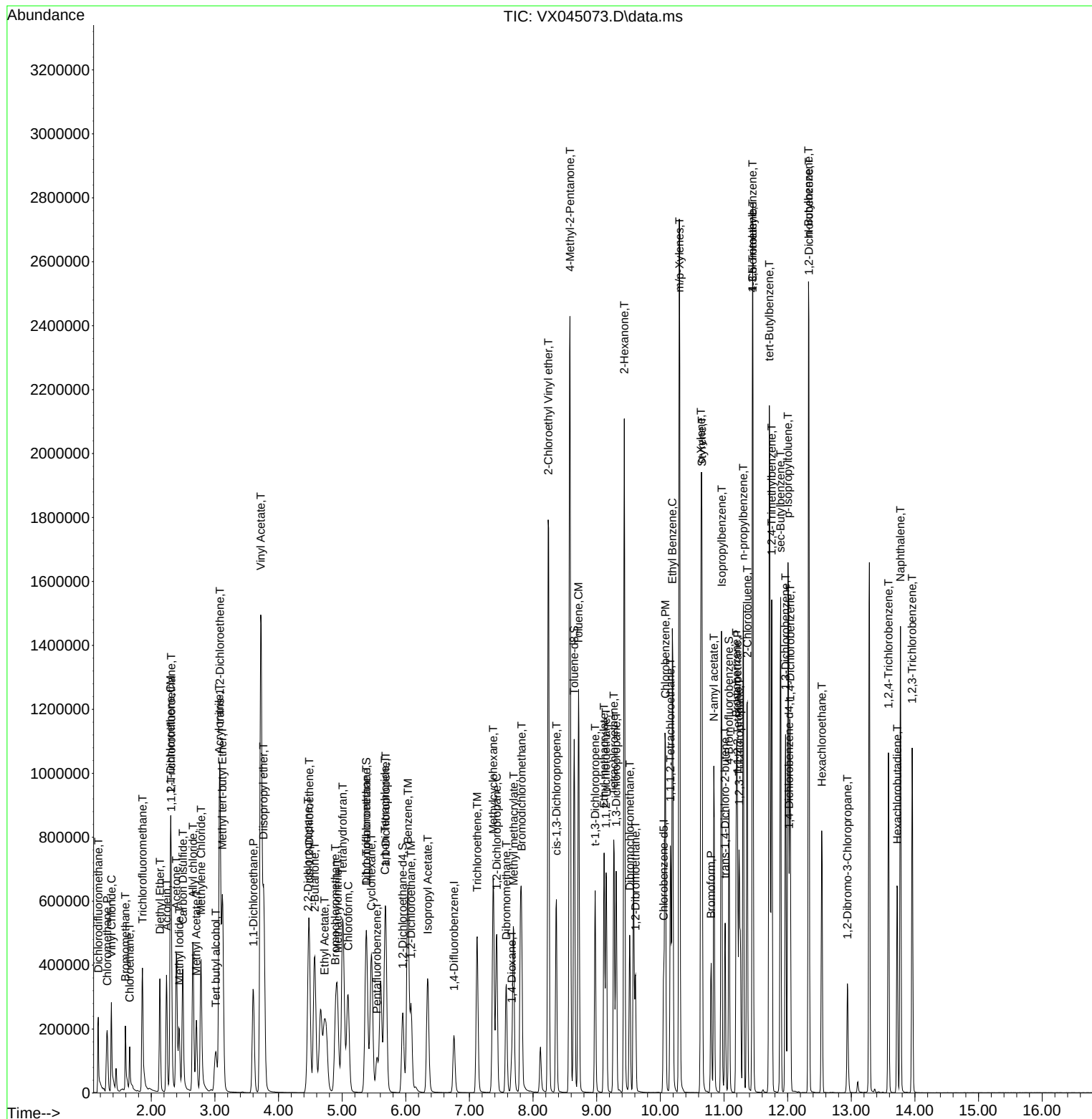
Quant Time: Feb 28 05:36:17 2025

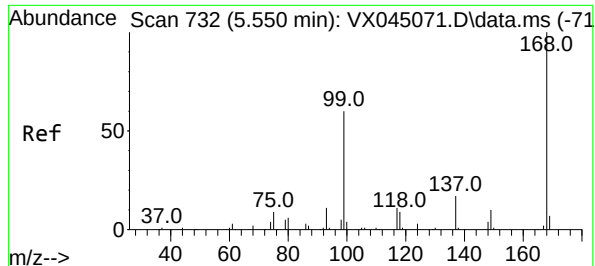
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M

Quant Title : SW846 8260

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

Response via : Initial Calibration





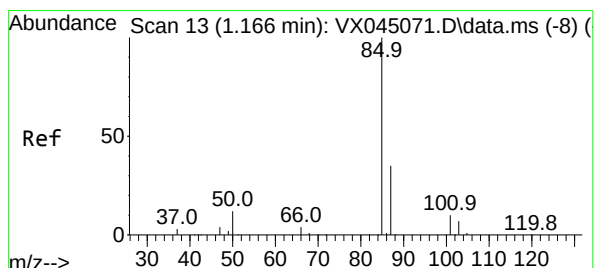
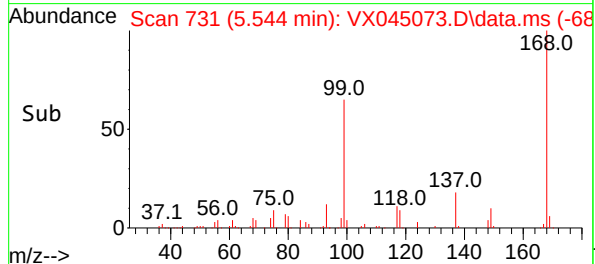
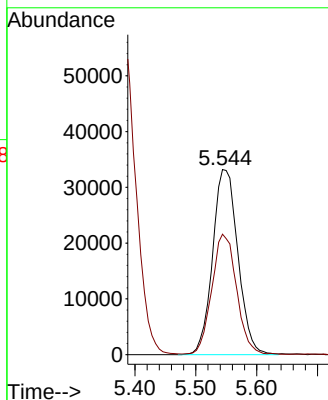
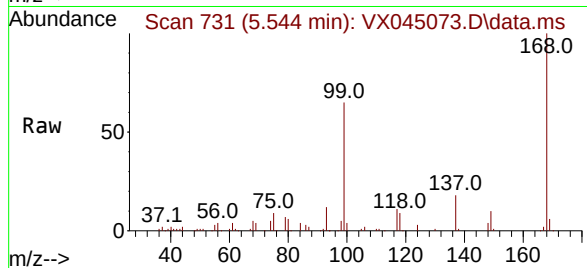
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 95754
Ion Ratio Lower Upper
168 100
99 64.8 48.2 72.4

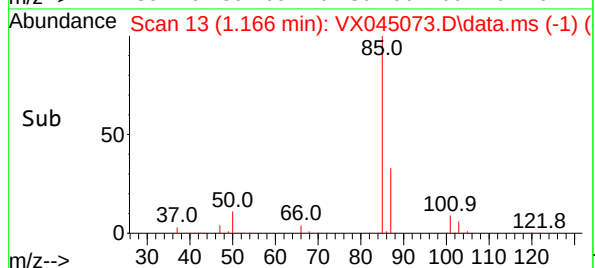
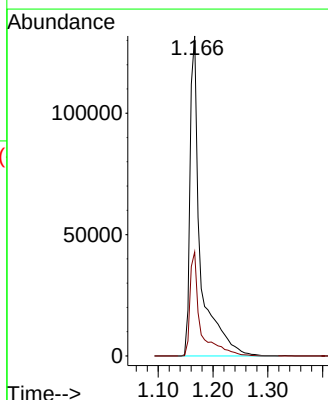
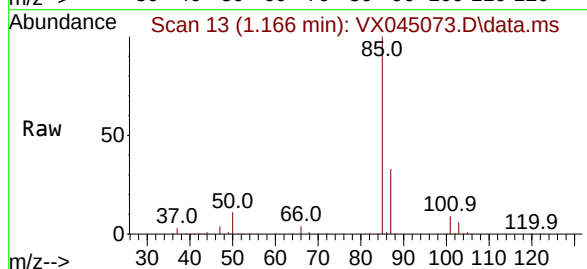
Manual Integrations
APPROVED

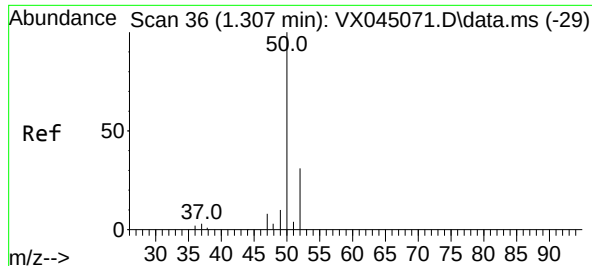
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





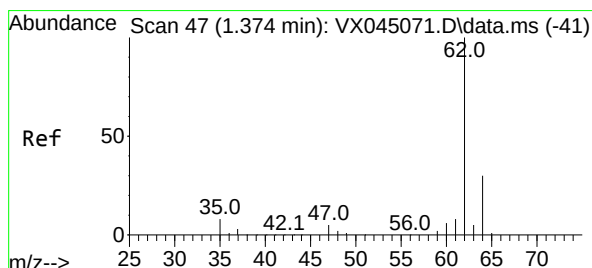
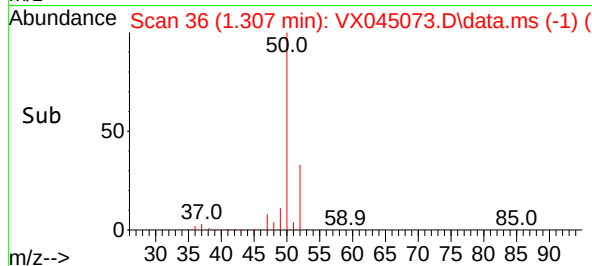
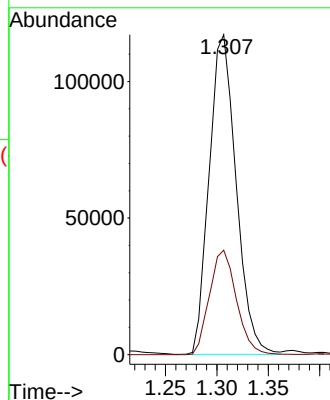
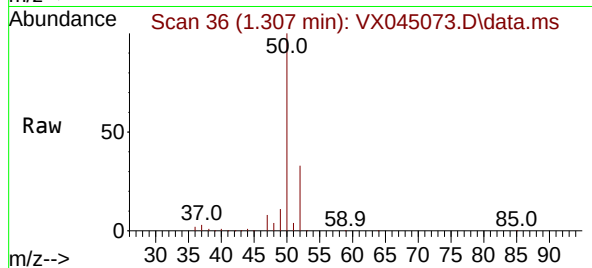
#3
Chloromethane
Concen: 133.072 ug/l
RT: 1.307 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 213704
Ion Ratio Lower Upper
50 100
52 32.7 25.0 37.4

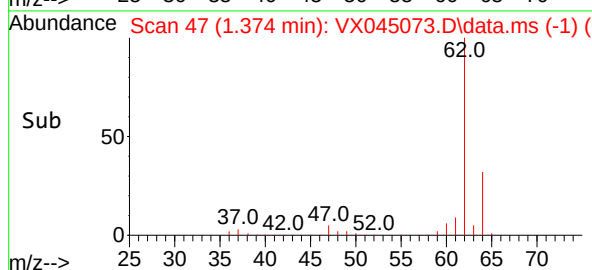
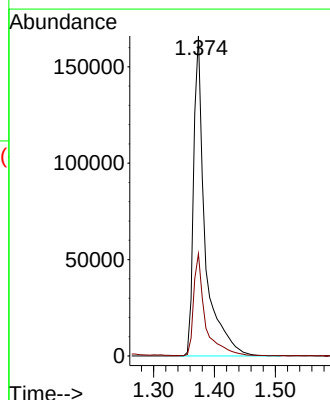
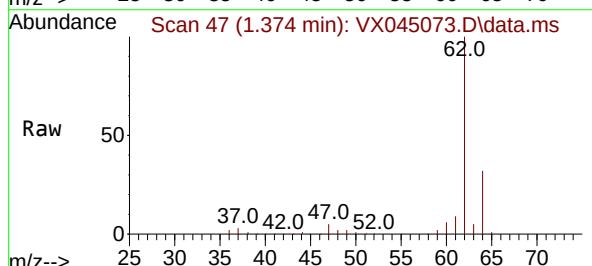
Manual Integrations
APPROVED

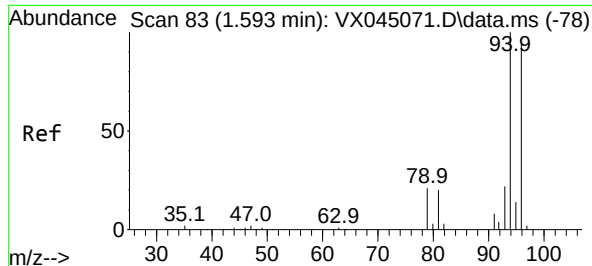
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





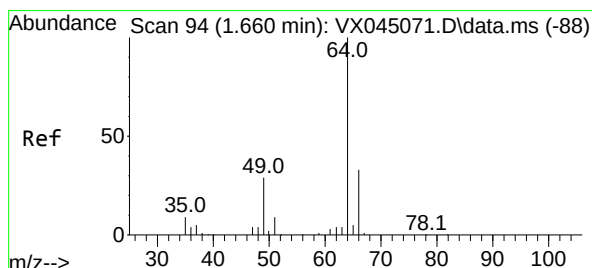
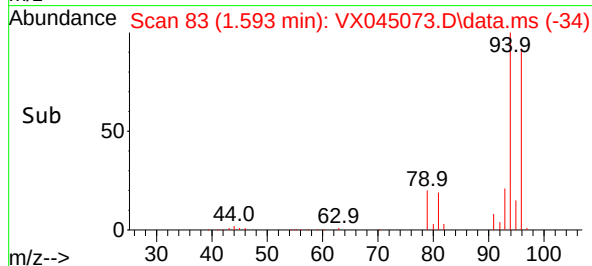
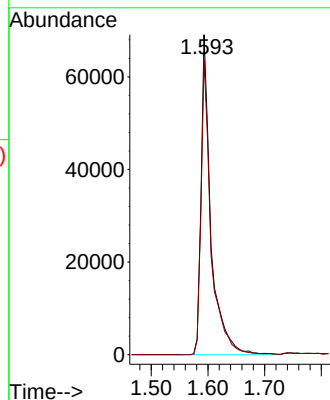
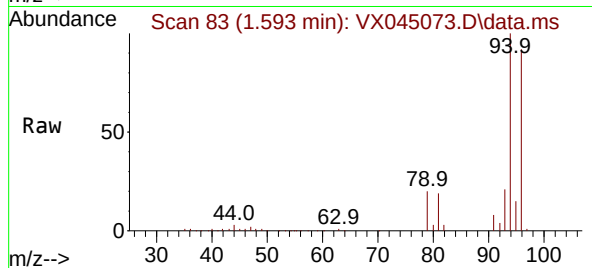
#5
Bromomethane
Concen: 170.379 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 8354
Ion Ratio Lower Upper
94 100
96 92.2 75.0 112.4

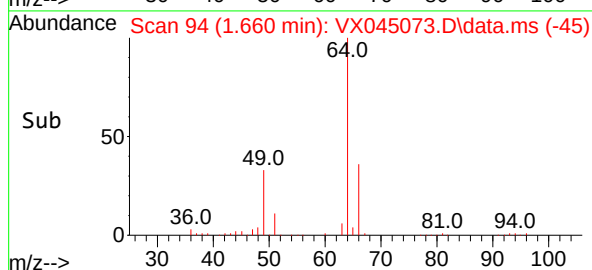
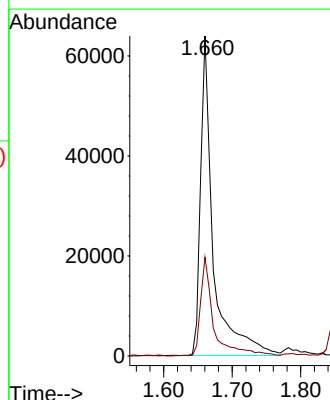
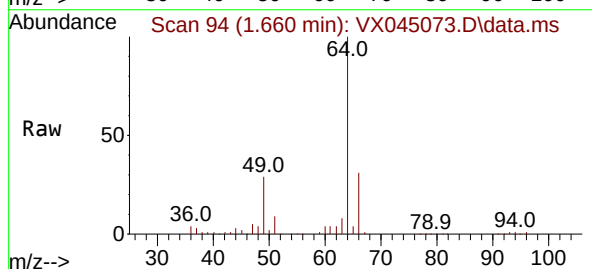
Manual Integrations
APPROVED

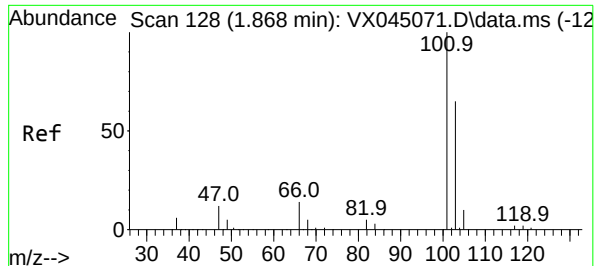
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





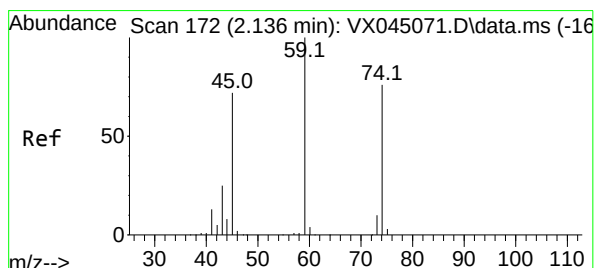
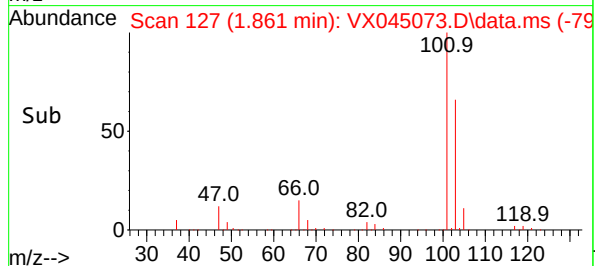
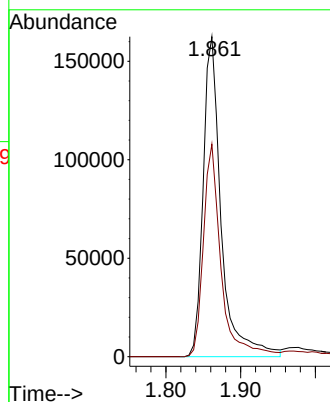
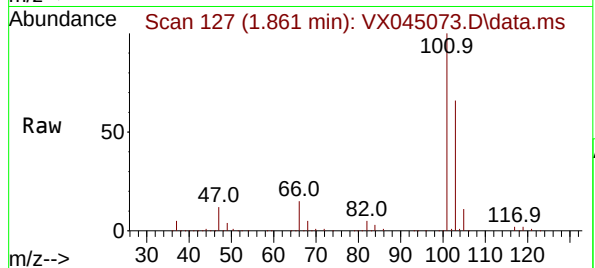
#7
Trichlorofluoromethane
Concen: 135.494 ug/l
RT: 1.861 min Scan# 101
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion:101 Resp: 272235
Ion Ratio Lower Upper
101 100
103 66.4 52.1 78.1

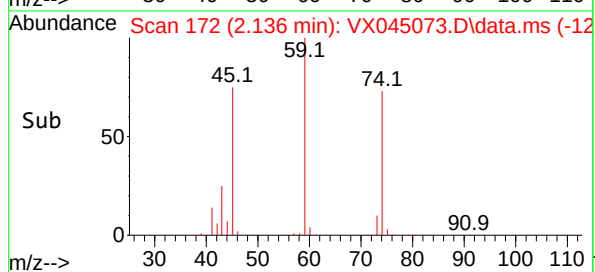
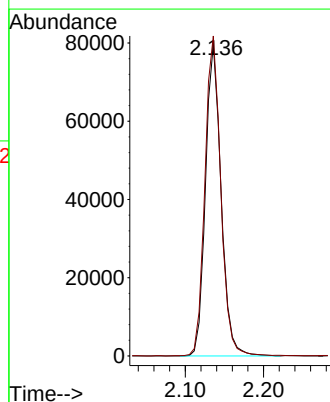
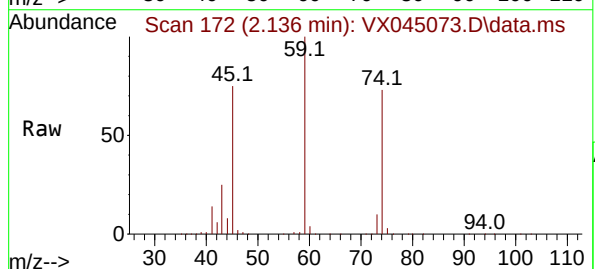
Manual Integrations
APPROVED

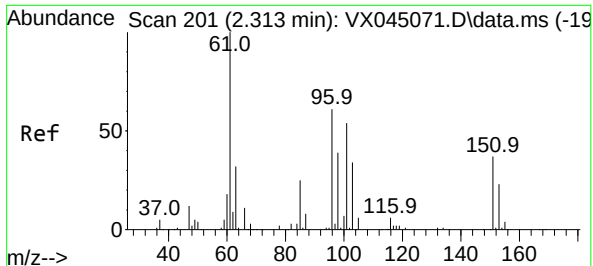
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#8
Diethyl Ether
Concen: 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 :

VSTDICC150

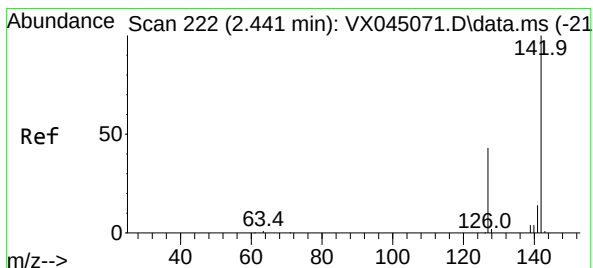
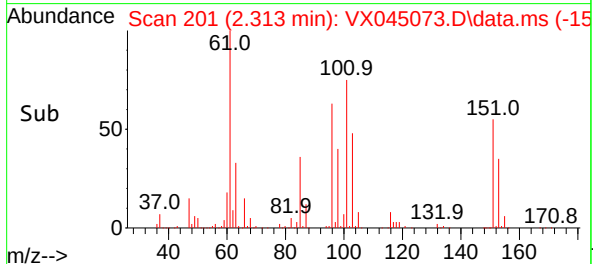
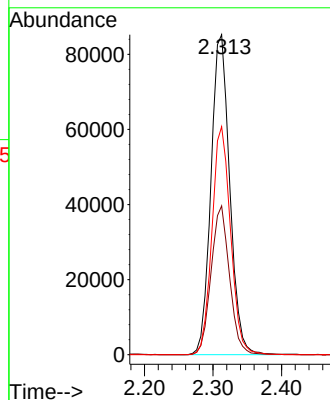
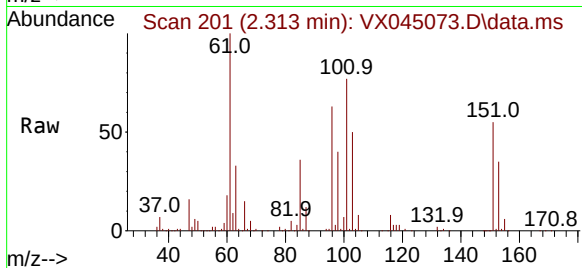
Tgt Ion:101	Resp: 16182
Ion Ratio	Lower Upper
101 100	
85 45.8	36.2 54.4
151 70.8	56.4 84.6

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

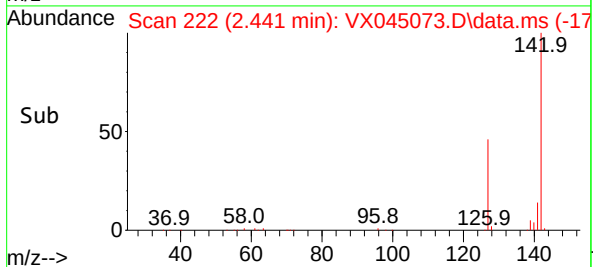
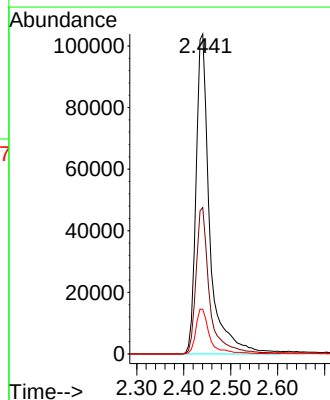
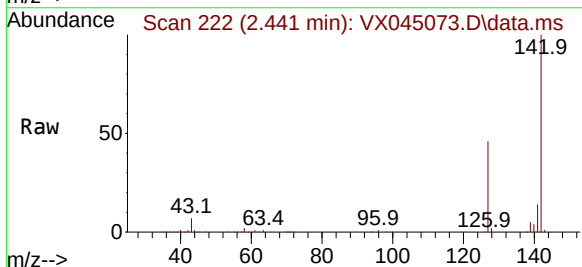
RT: 2.441 min Scan# 222

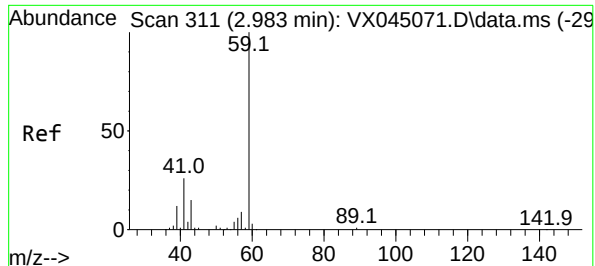
Delta R.T. -0.000 min

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

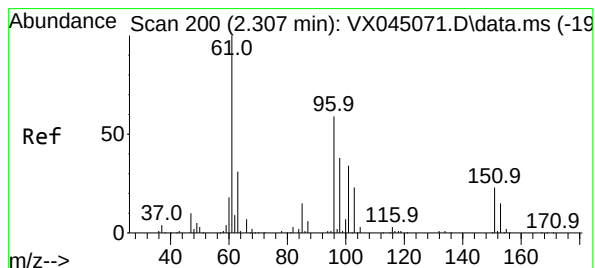
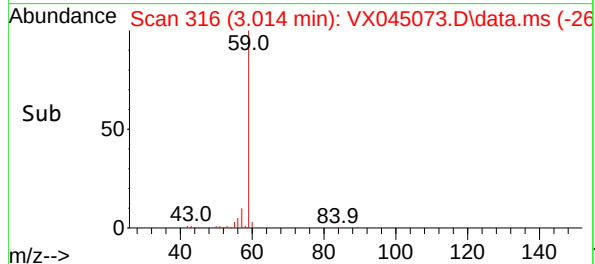
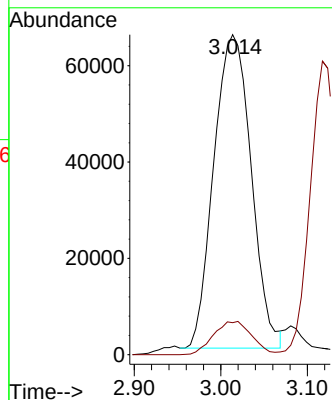
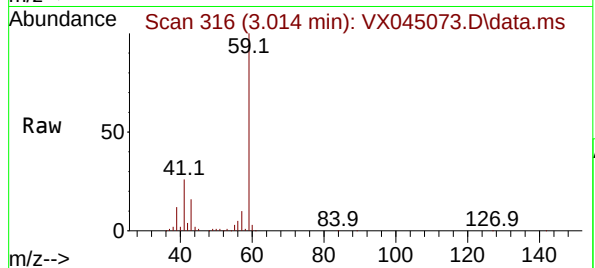
57 10.9 7.8 11.8

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

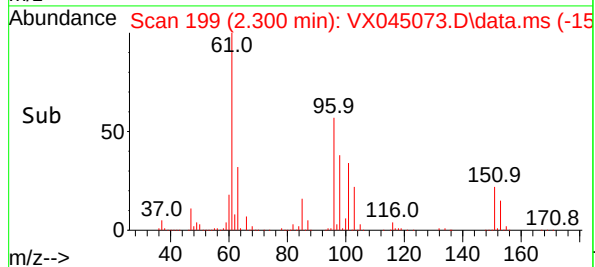
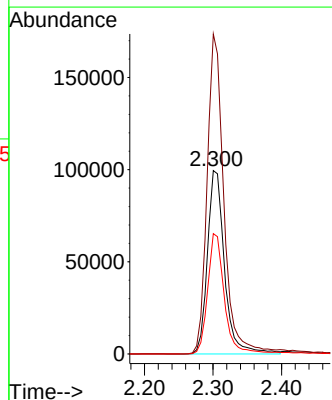
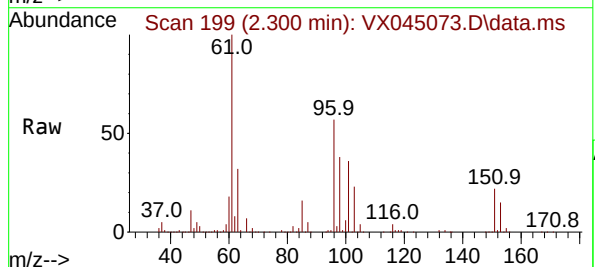
Tgt Ion: 96 Resp: 173271

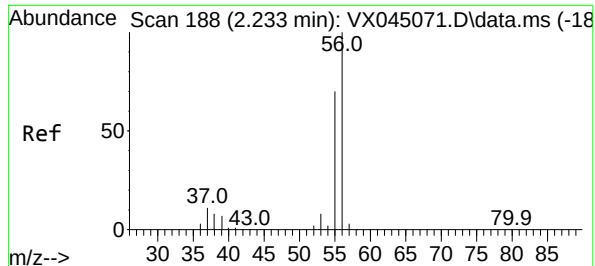
Ion Ratio Lower Upper

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

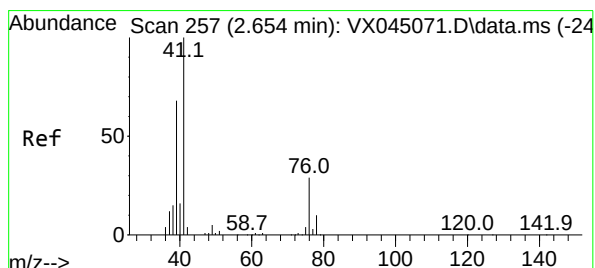
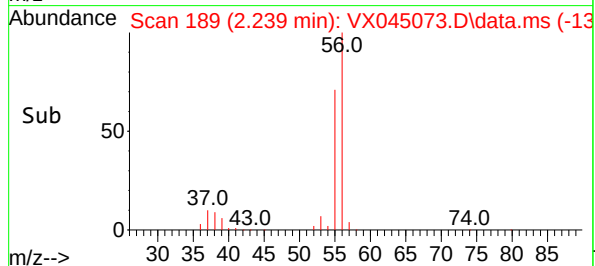
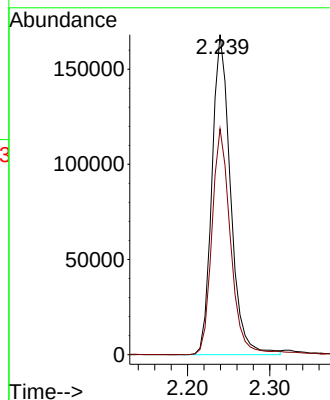
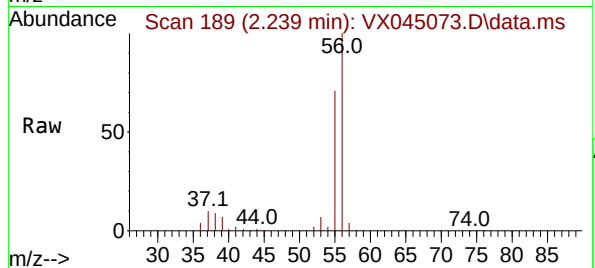
55 71.6 56.2 84.4

Manual Integrations

APPROVED

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

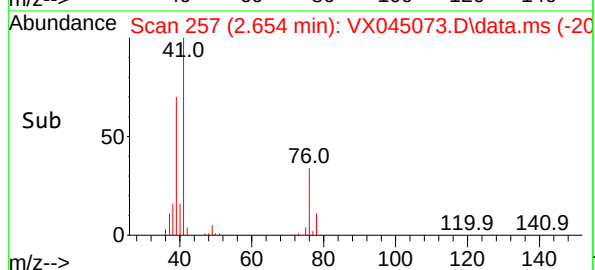
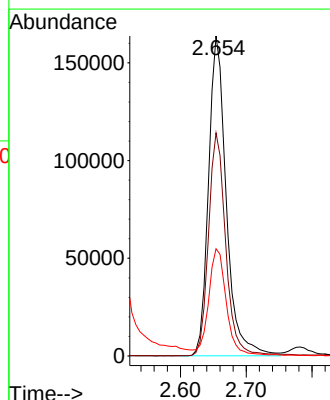
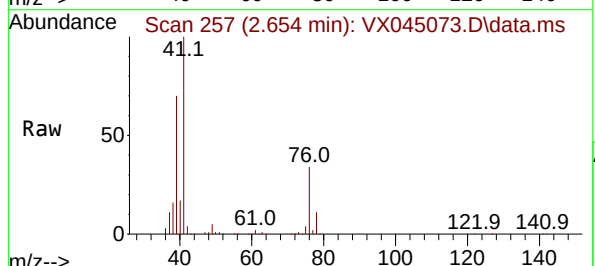
Tgt Ion: 41 Resp: 308018

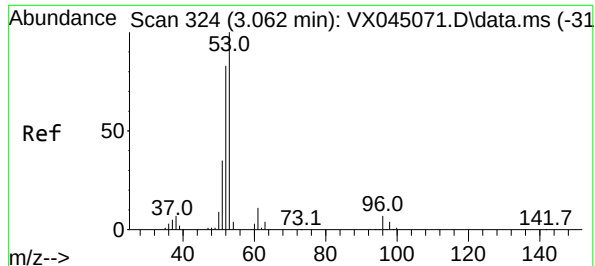
Ion Ratio Lower Upper

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 :

VSTDICC150

Tgt Ion: 53 Resp: 573208

Ion Ratio Lower Upper

53 100

52 83.3 66.2 99.2

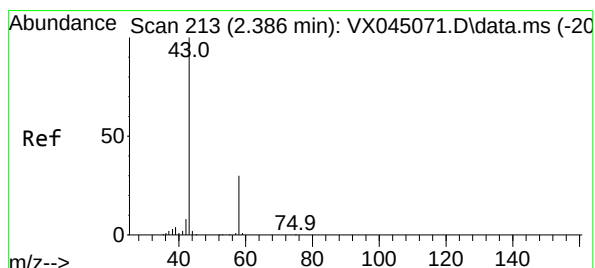
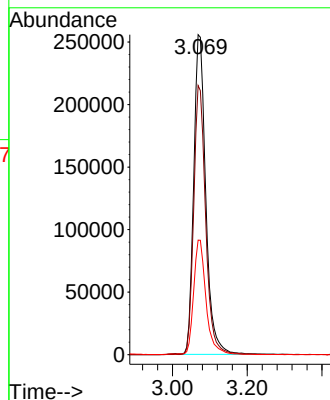
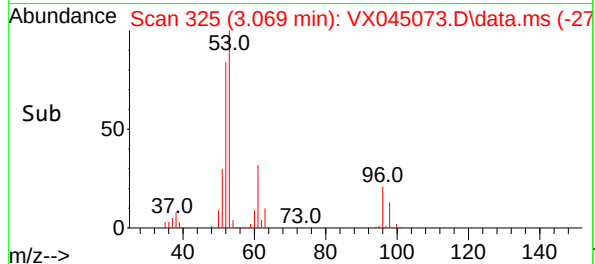
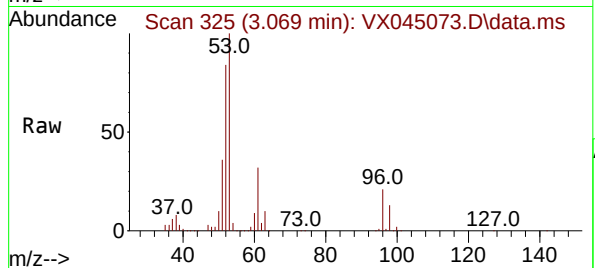
51 37.0 29.0 43.4

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

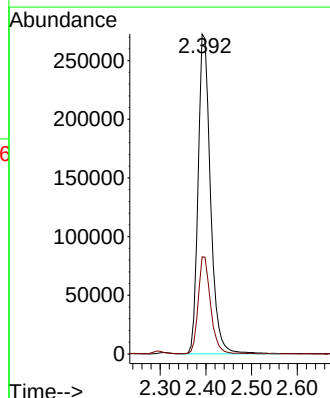
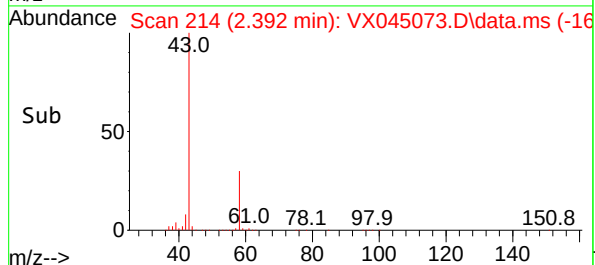
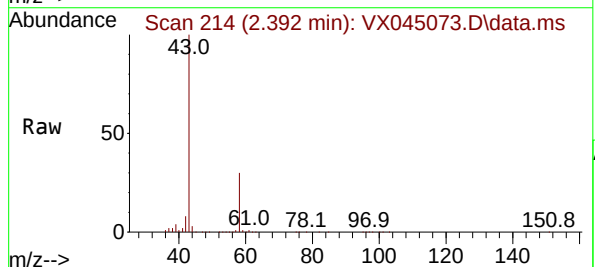
Acq: 28 Feb 2025 03:47

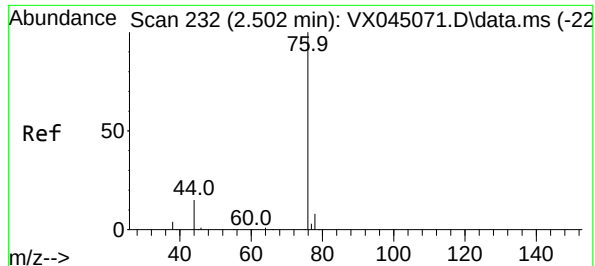
Tgt Ion: 43 Resp: 511828

Ion Ratio Lower Upper

43 100

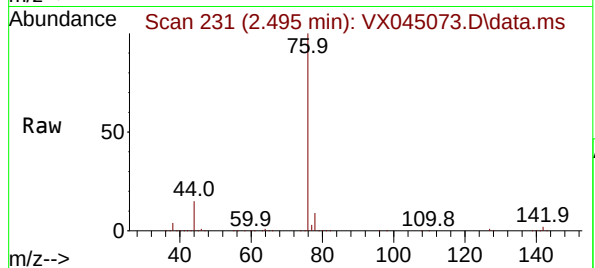
58 30.3 24.2 36.4





#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

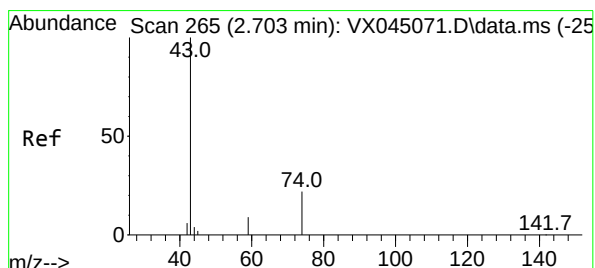
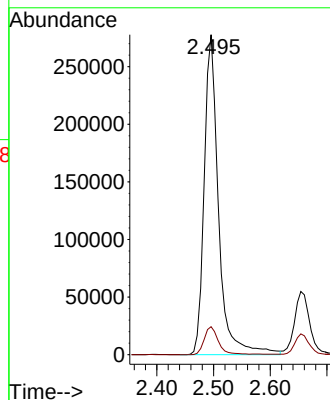
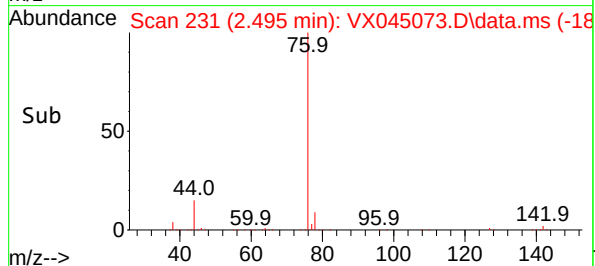
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



Tgt Ion: 76 Resp: 487720
Ion Ratio Lower Upper
76 100
78 8.8 6.6 9.8

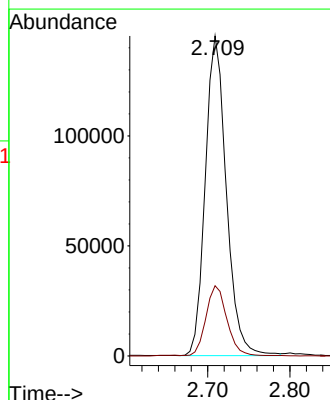
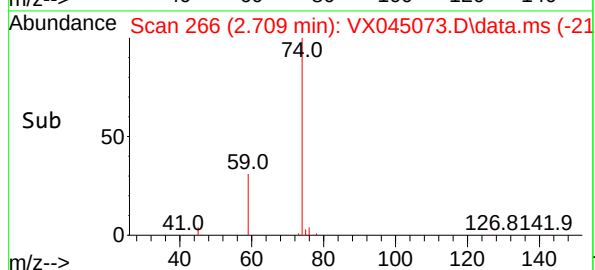
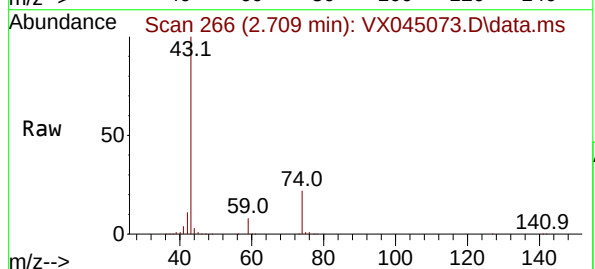
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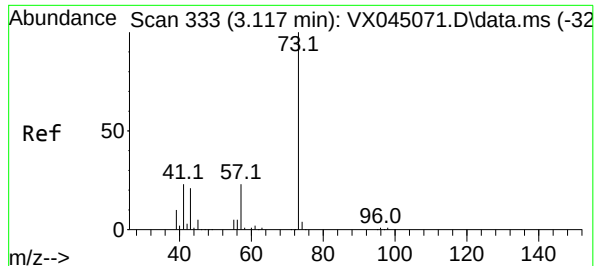
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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# 31

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

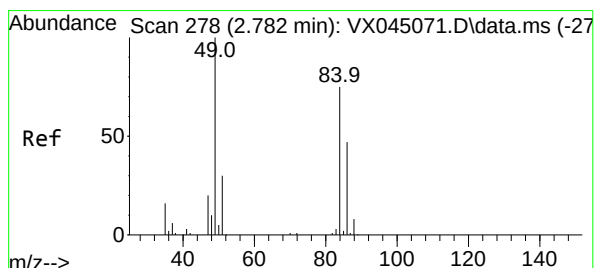
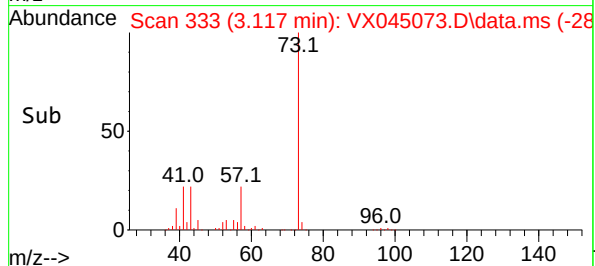
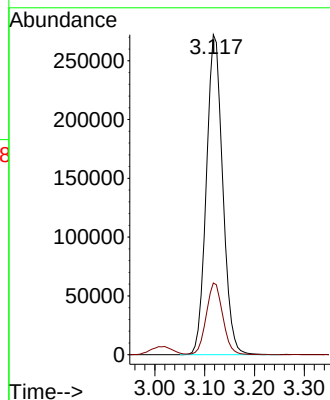
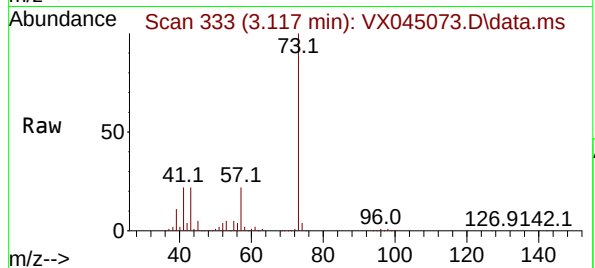
57 22.4 18.5 27.7

Manual Integrations

APPROVED

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

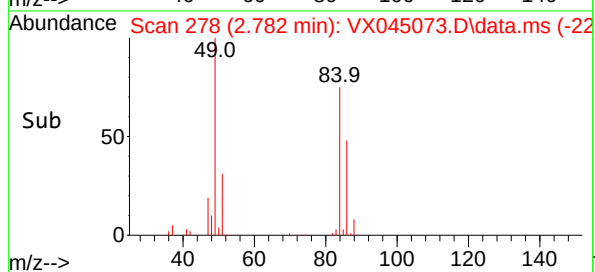
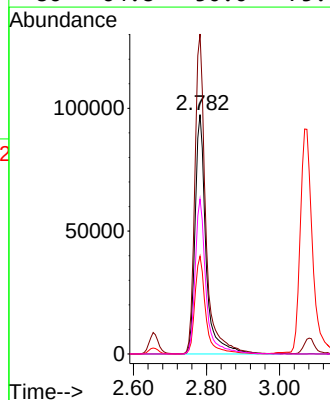
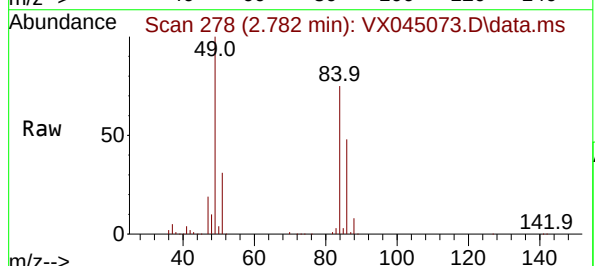
Ion Ratio Lower Upper

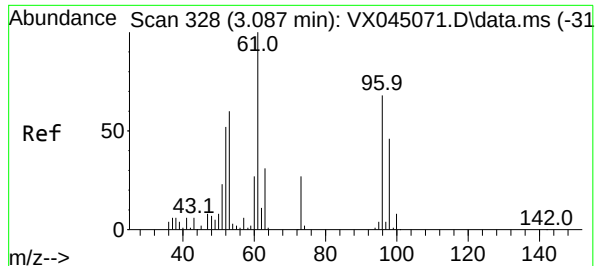
84 100

49 133.6 106.5 159.7

51 40.9 32.1 48.1

86 64.8 50.0 75.0





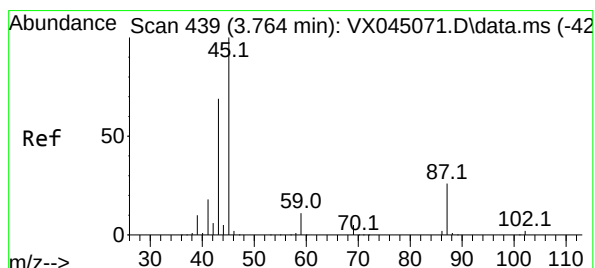
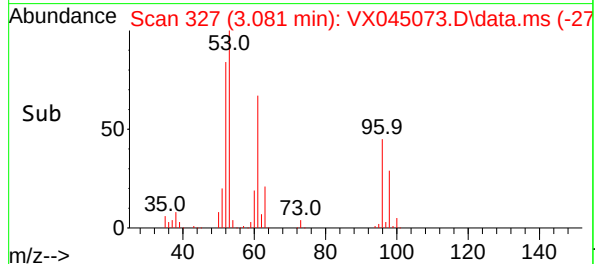
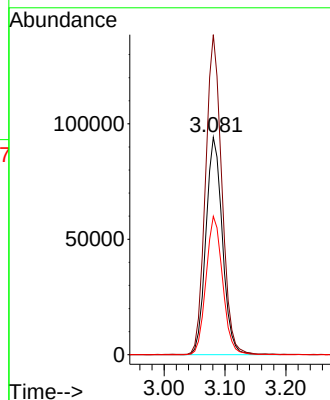
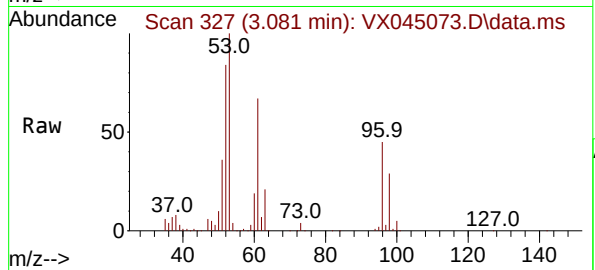
#21
trans-1,2-Dichloroethene
Concen: 146.027 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

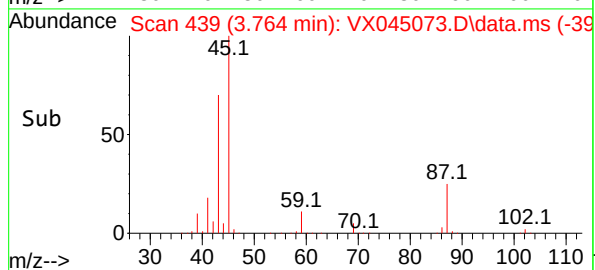
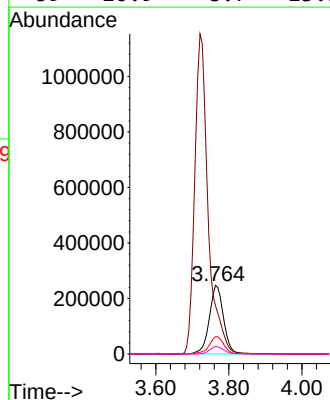
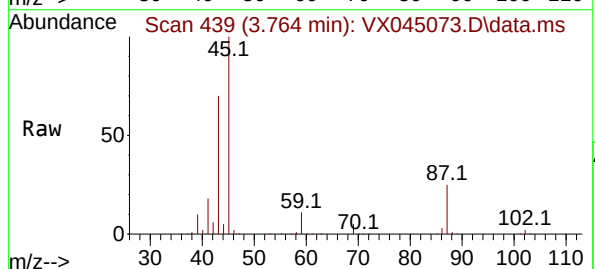
Manual Integrations
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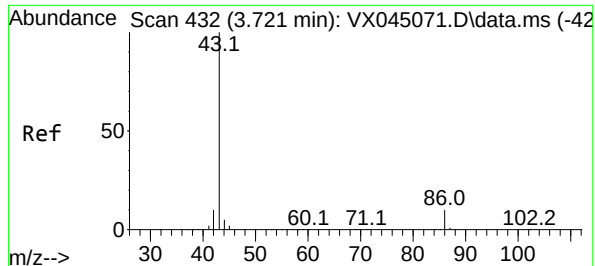
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





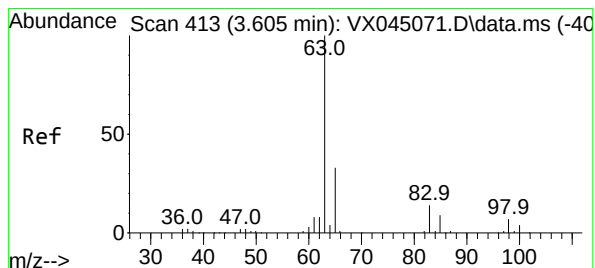
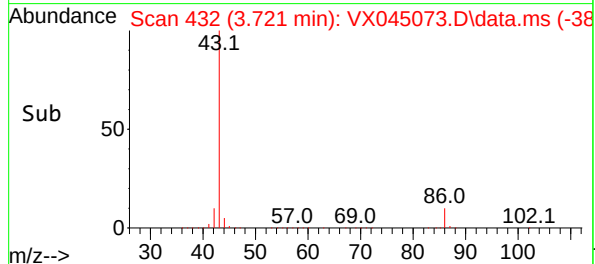
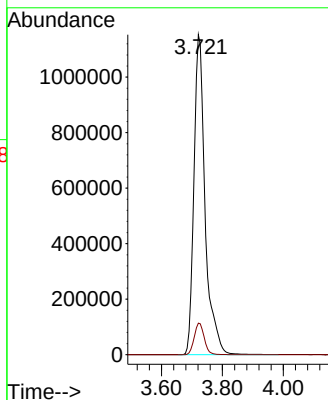
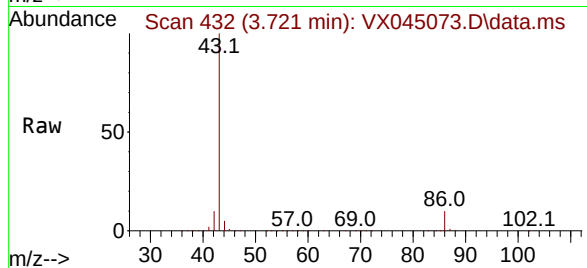
#23
Vinyl Acetate
Concen: 846.586 ug/l
RT: 3.721 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 2943150
Ion Ratio Lower Upper
43 100
86 9.8 8.1 12.1

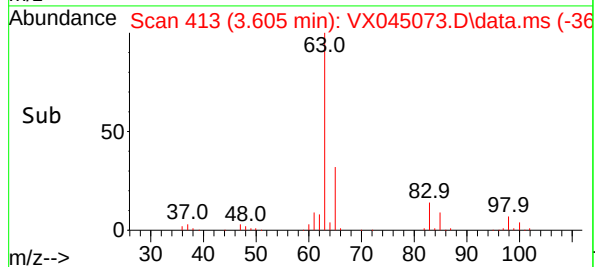
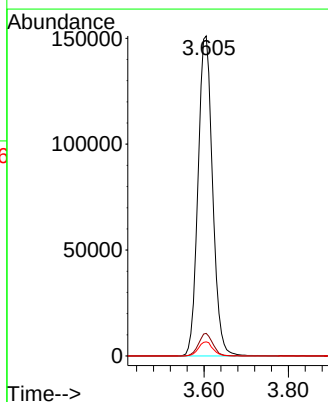
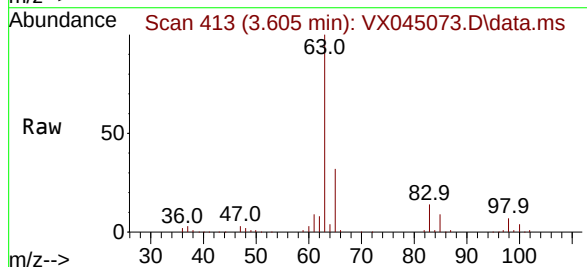
Manual Integrations
APPROVED

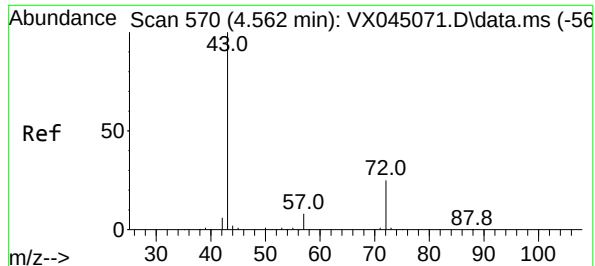
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

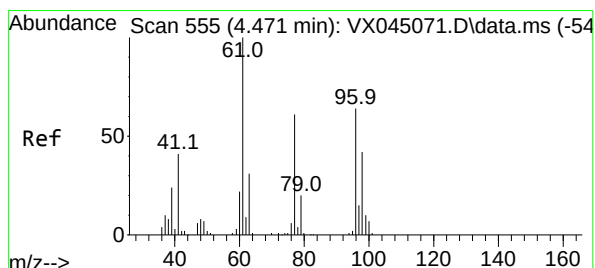
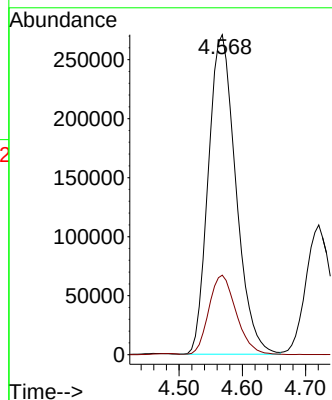
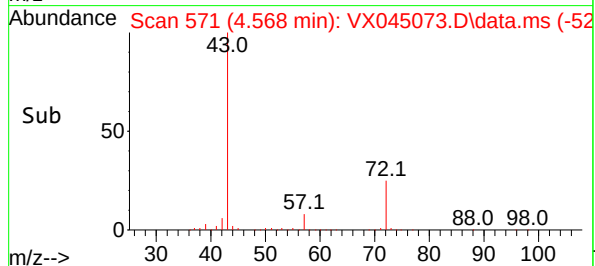
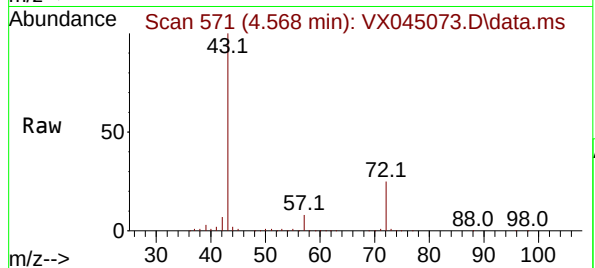
72 24.7 20.0 30.0

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

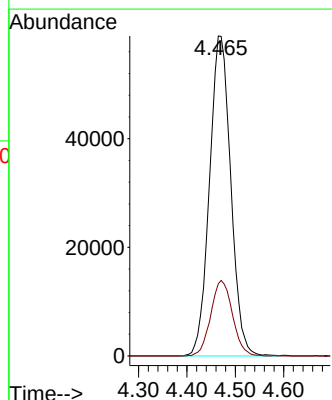
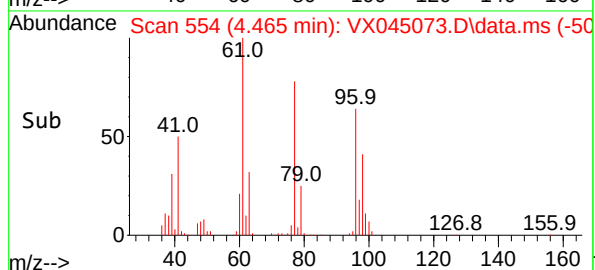
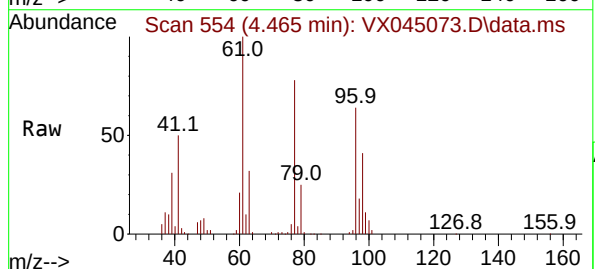
Acq: 28 Feb 2025 03:47

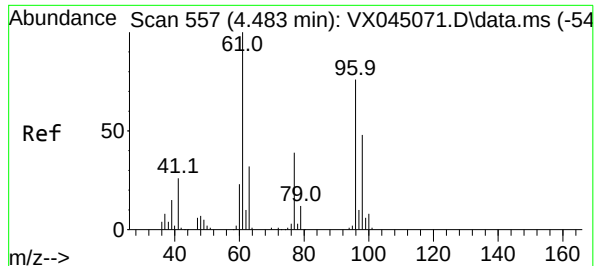
Tgt Ion: 77 Resp: 179826

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 :

VSTDICC150

Tgt Ion: 96 Resp: 220820

Ion Ratio Lower Upper

96 100

61 144.2 0.0 283.2

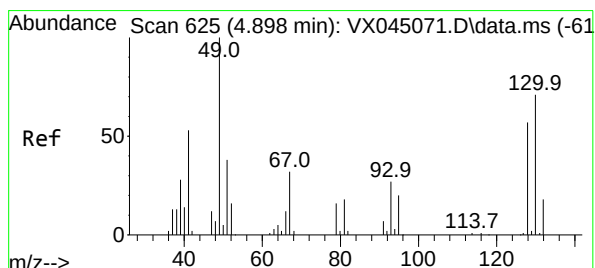
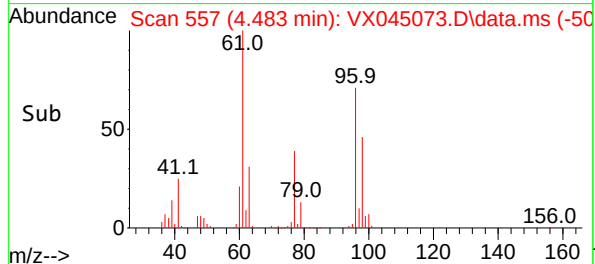
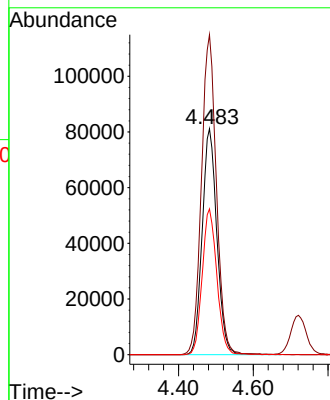
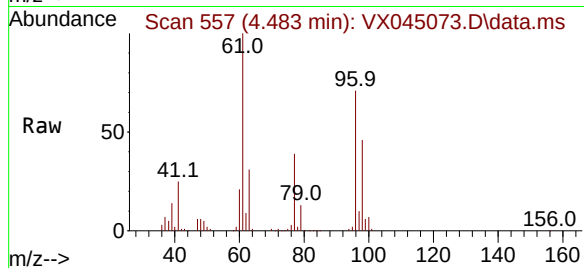
98 64.3 0.0 128.0

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

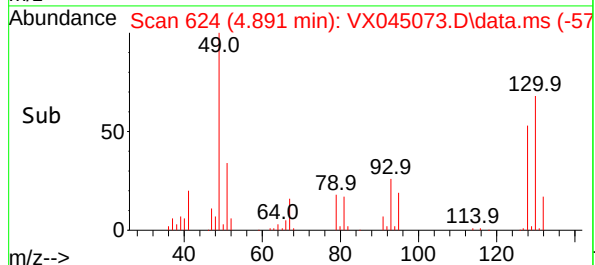
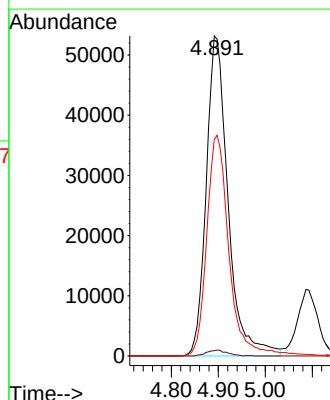
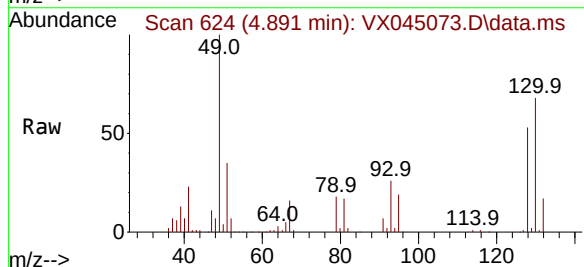
Tgt Ion: 49 Resp: 171273

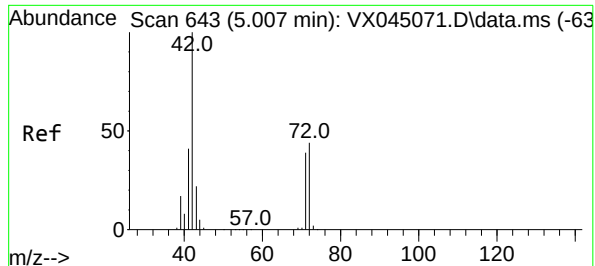
Ion Ratio Lower Upper

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 :

VSTDICC150

Tgt Ion: 42 Resp: 528574

Ion Ratio Lower Upper

42 100

72 42.8 34.1 51.1

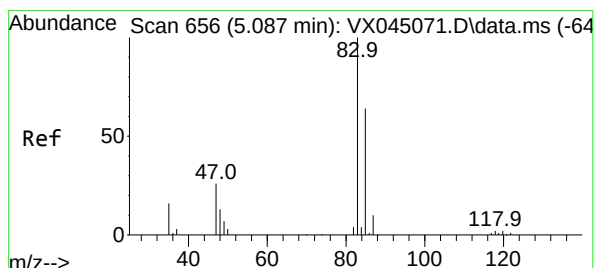
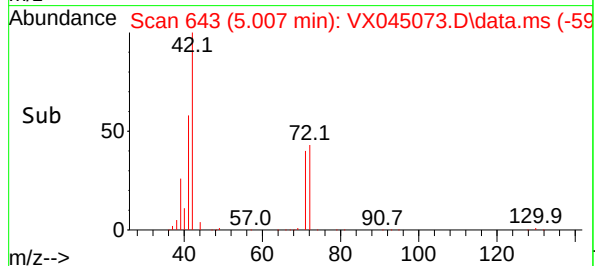
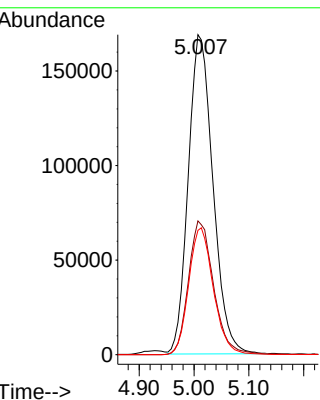
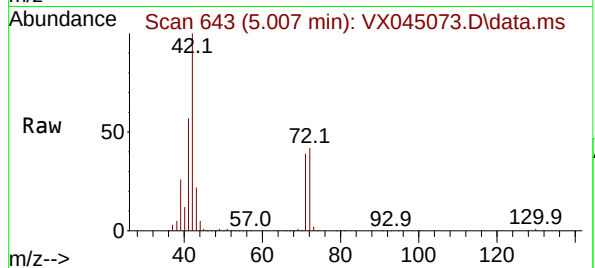
71 39.7 31.4 47.0

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

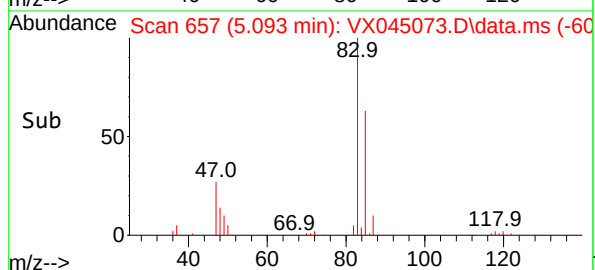
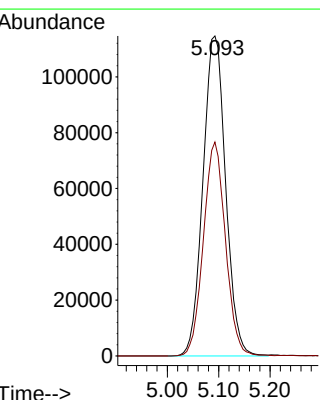
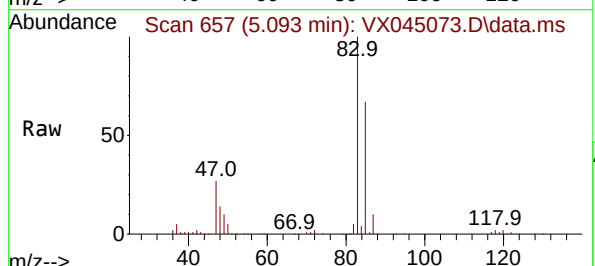
Acq: 28 Feb 2025 03:47

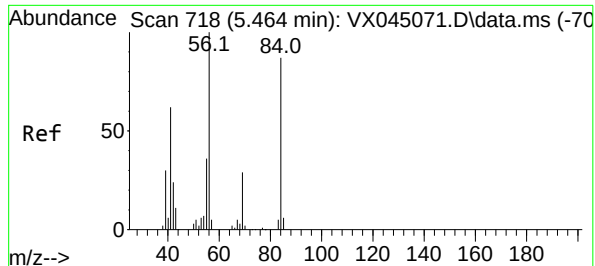
Tgt Ion: 83 Resp: 351934

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

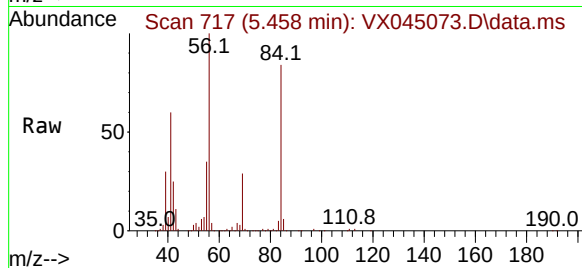
Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150



Tgt Ion: 56 Resp: 302215

Ion Ratio Lower Upper

56 100

69 28.8 23.4 35.2

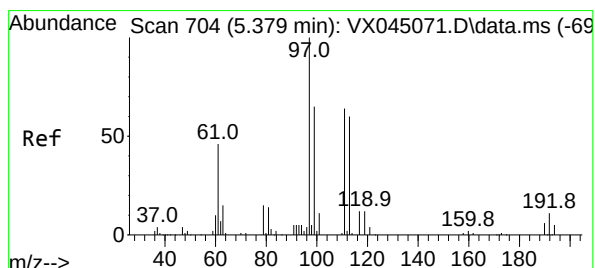
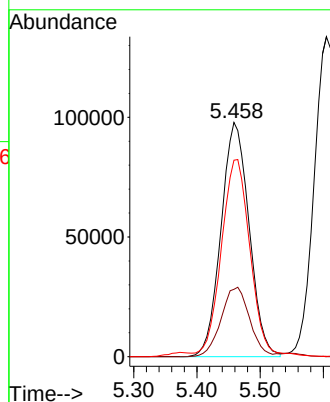
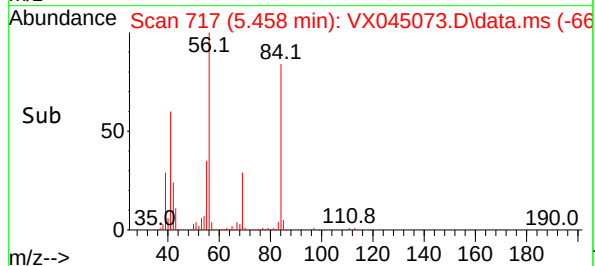
84 82.2 69.4 104.2

Manual Integrations

APPROVED

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

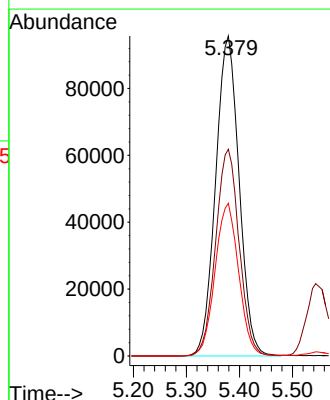
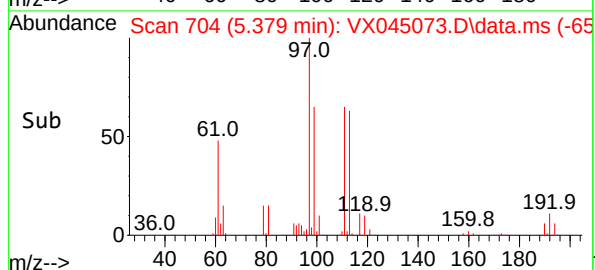
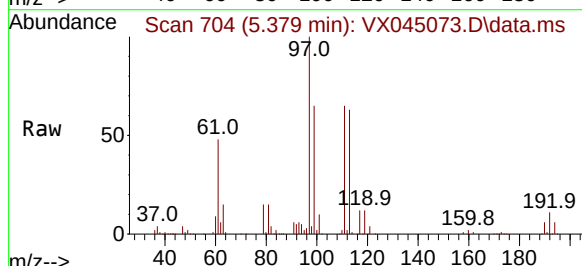
Tgt Ion: 97 Resp: 294434

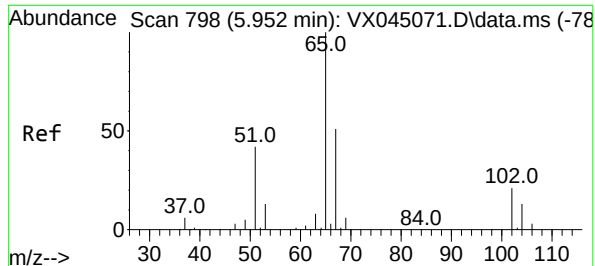
Ion Ratio Lower Upper

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 :

VSTDICC150

Tgt Ion: 65 Resp: 234624

Ion Ratio Lower Upper

65 100

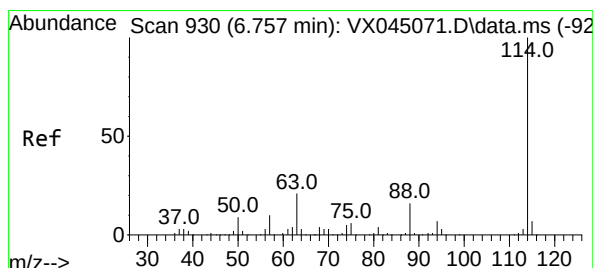
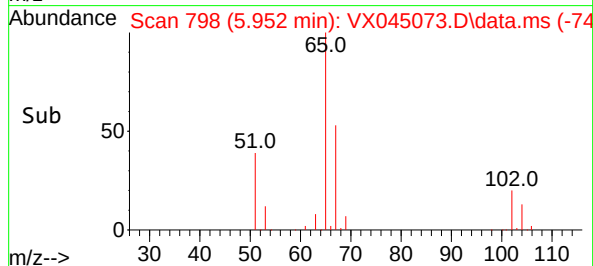
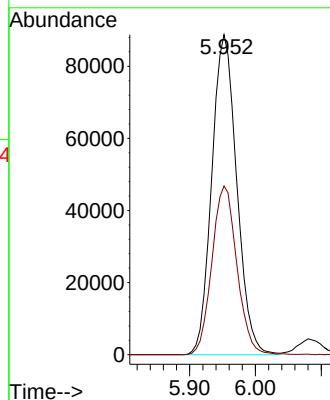
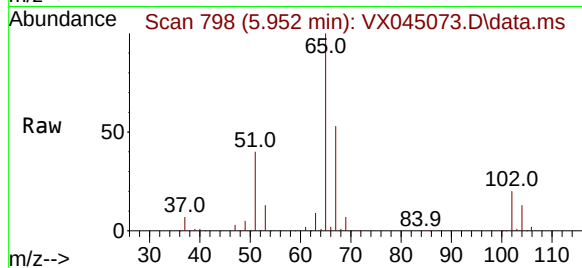
67 52.7 0.0 106.2

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

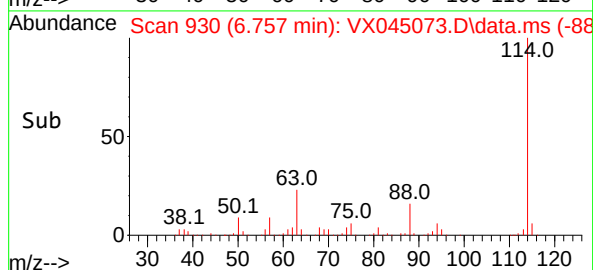
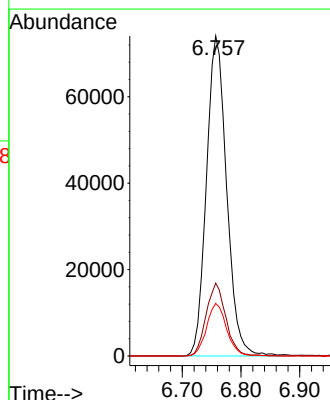
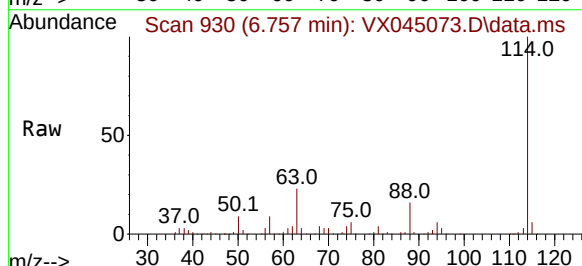
Tgt Ion:114 Resp: 176991

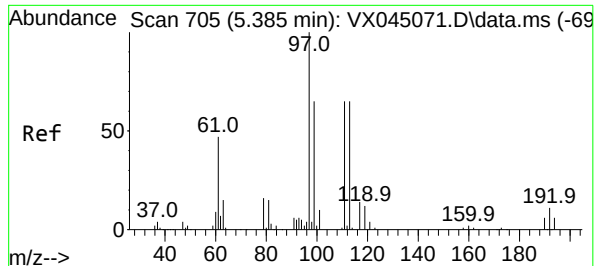
Ion Ratio Lower Upper

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

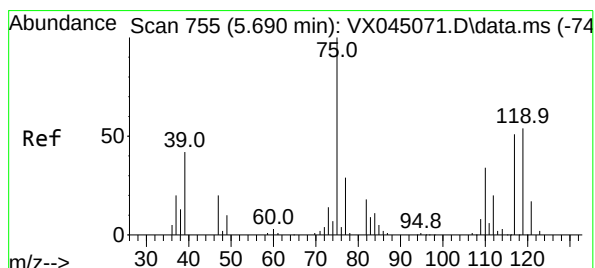
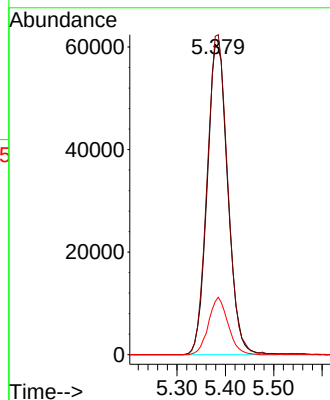
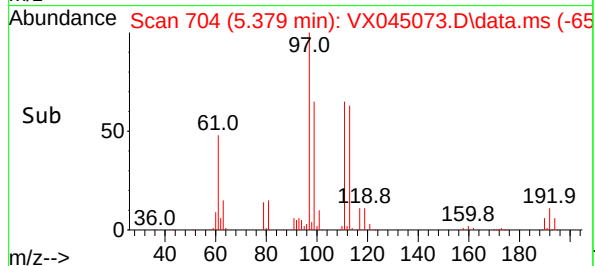
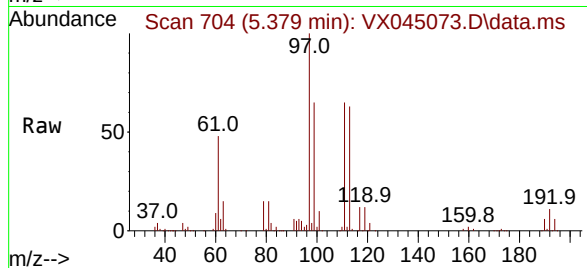
192 17.5 14.3 21.5

Manual Integrations

APPROVED

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

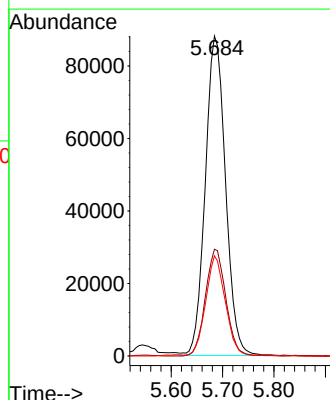
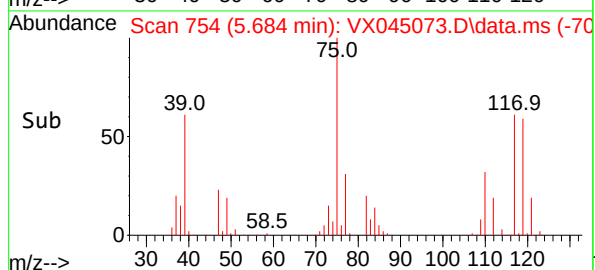
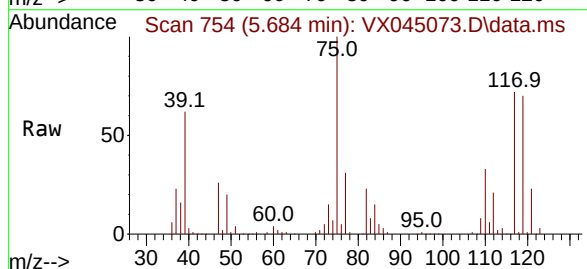
Tgt Ion: 75 Resp: 241405

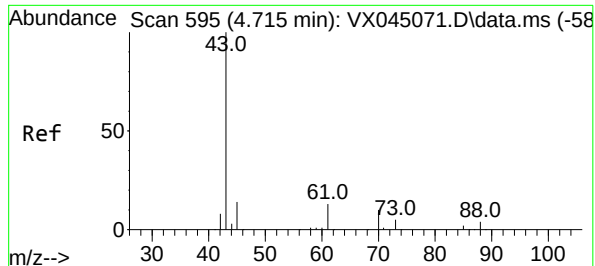
Ion Ratio Lower Upper

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# 596

Delta R.T. 0.006 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

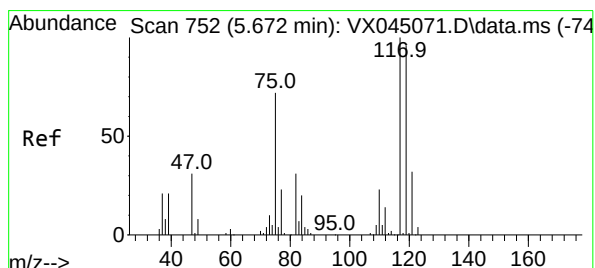
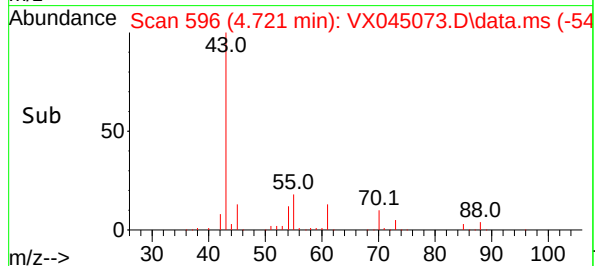
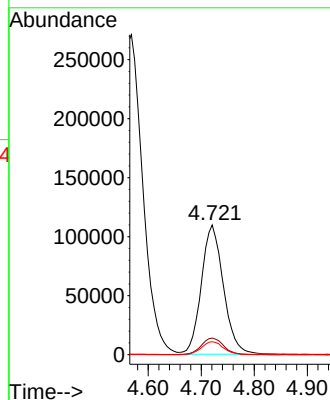
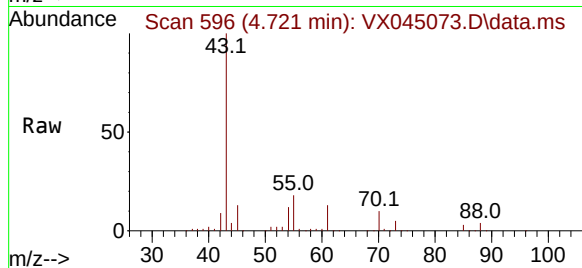
ClientSampleId :

VSTDICC150

Tgt Ion:	43	Resp:	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

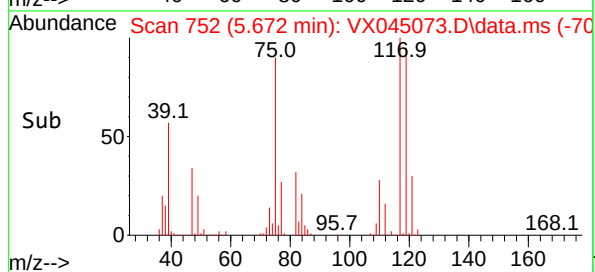
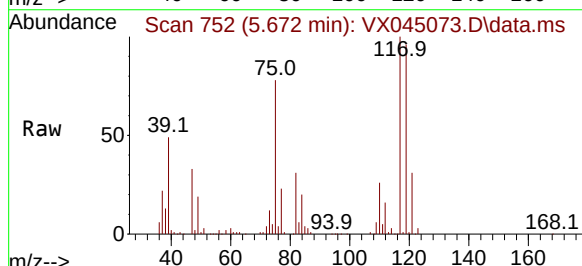
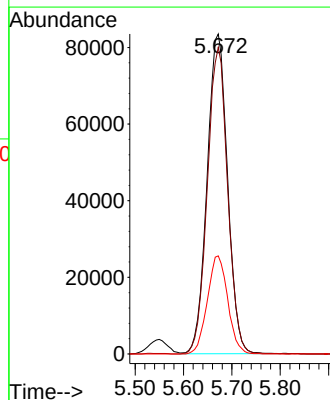
RT: 5.672 min Scan# 752

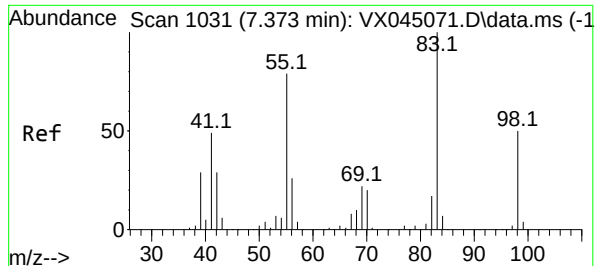
Delta R.T. -0.000 min

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

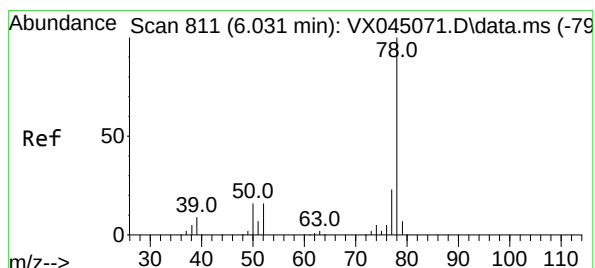
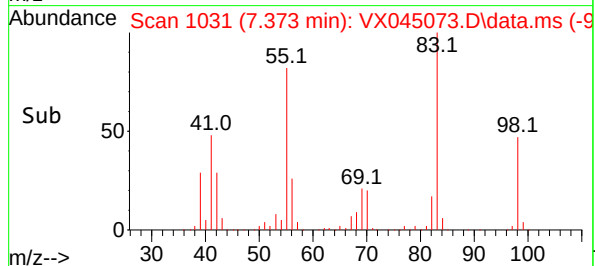
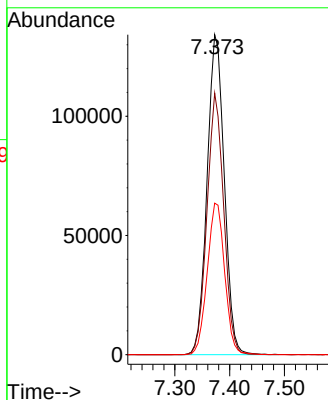
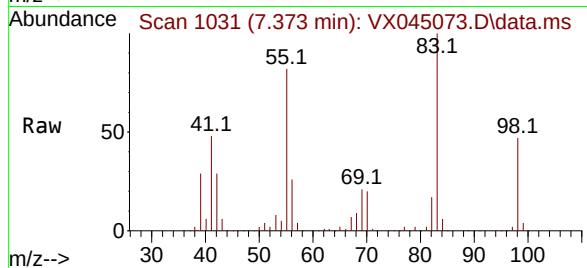
98 47.4 39.7 59.5

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

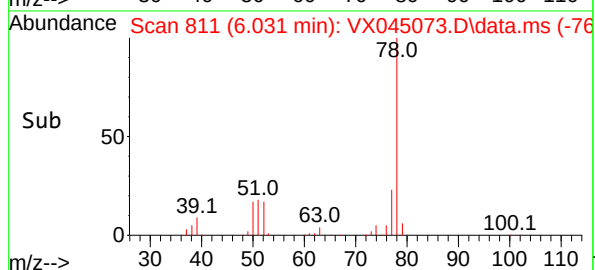
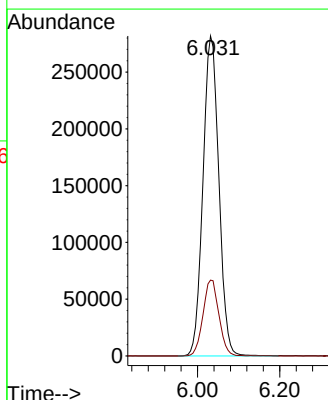
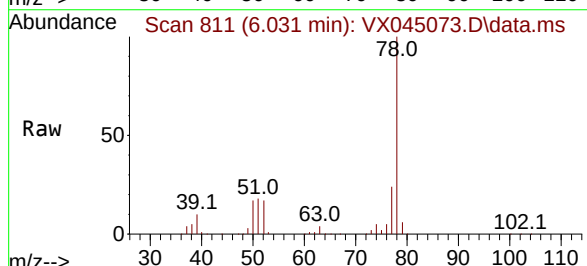
Acq: 28 Feb 2025 03:47

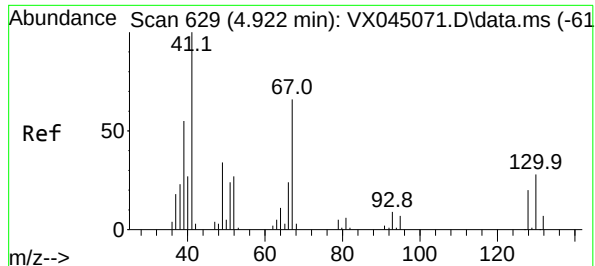
Tgt Ion: 78 Resp: 755854

Ion Ratio Lower Upper

78 100

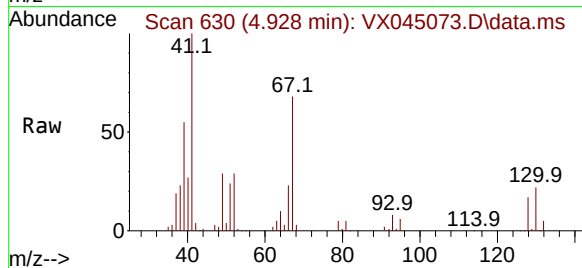
77 23.7 18.8 28.2





#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

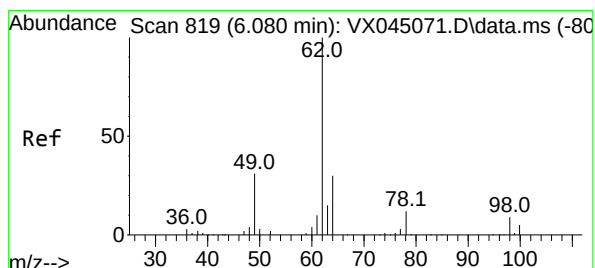
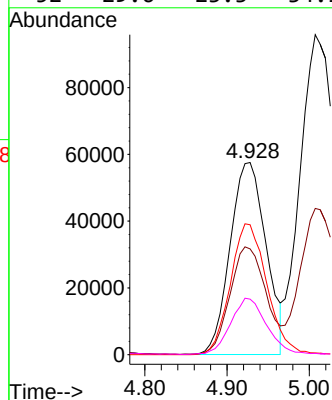
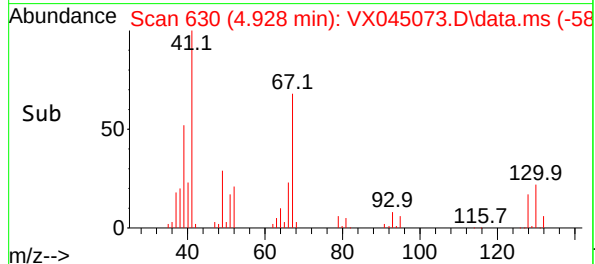
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



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

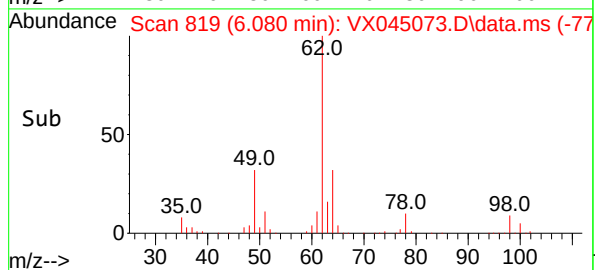
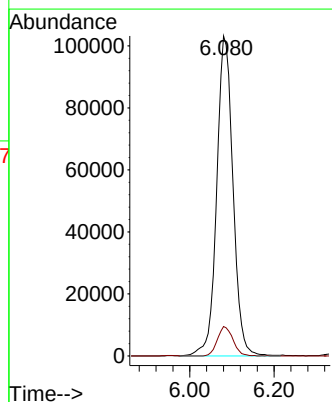
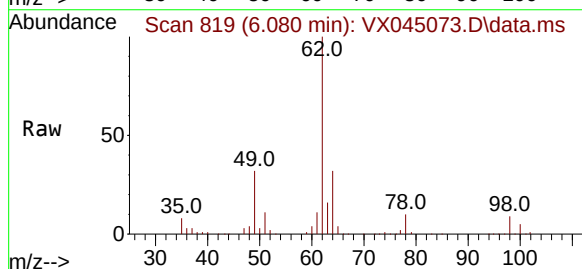
Manual Integrations
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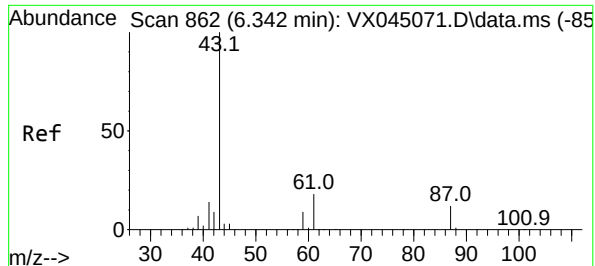
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

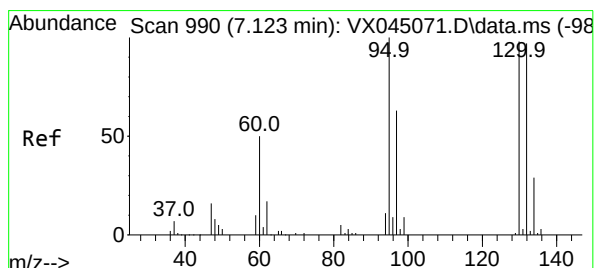
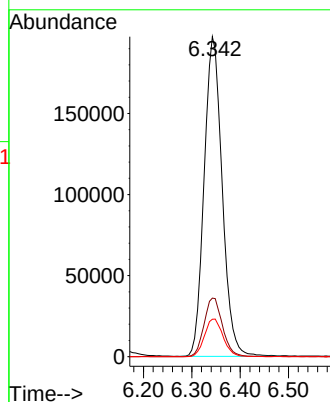
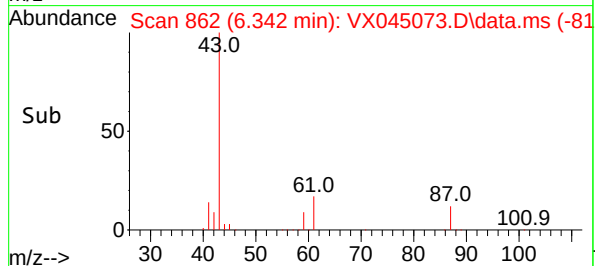
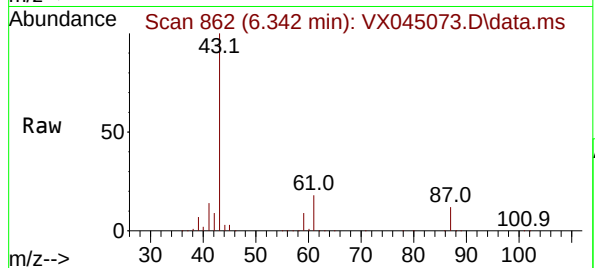
87 12.1 9.4 14.2

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

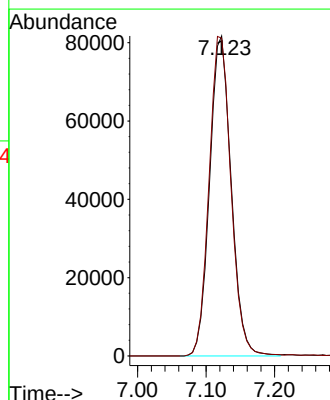
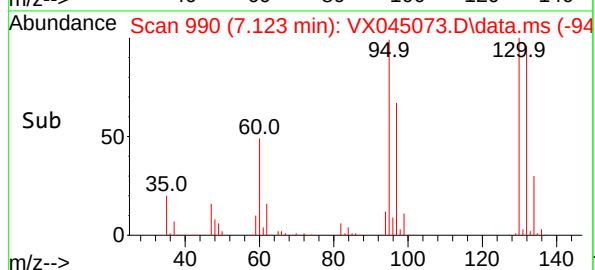
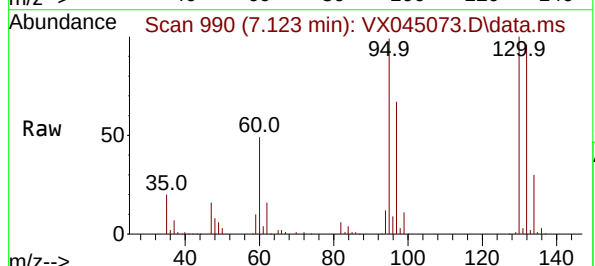
Acq: 28 Feb 2025 03:47

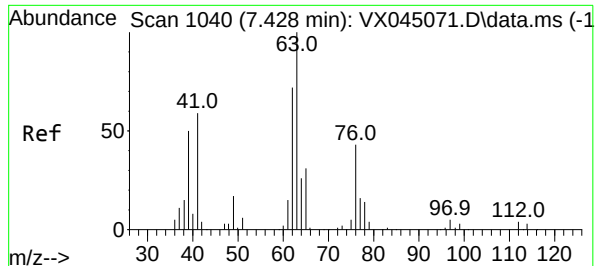
Tgt Ion:130 Resp: 178483

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

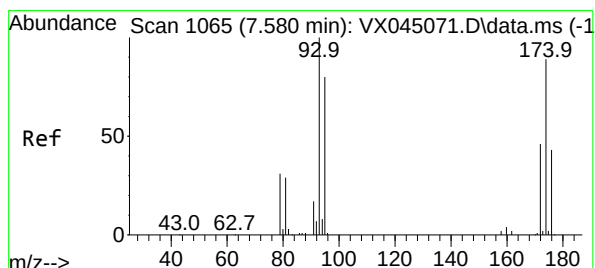
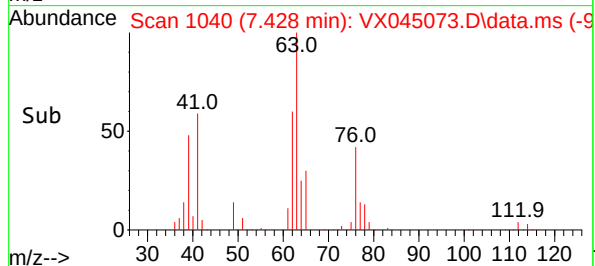
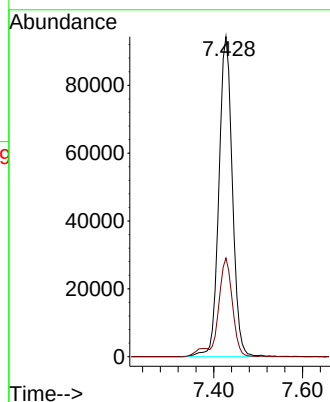
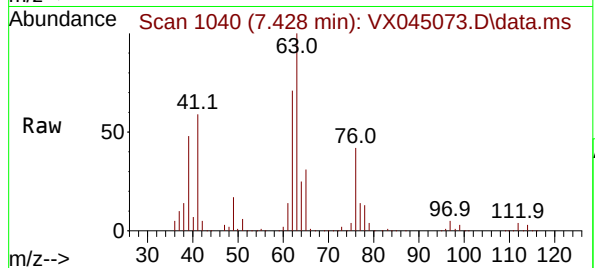
65 30.8 24.7 37.1

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

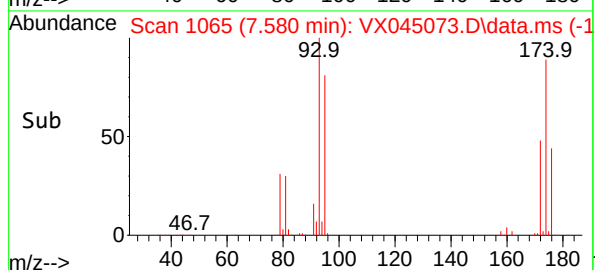
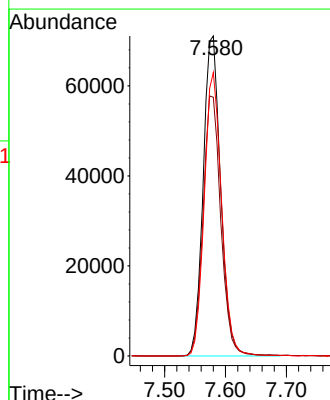
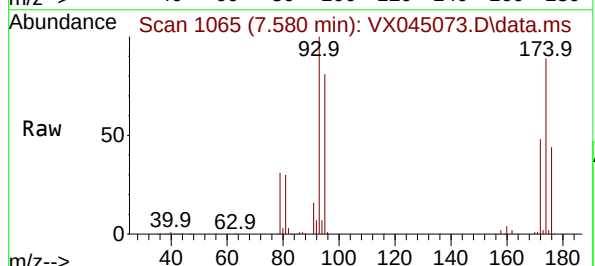
Tgt Ion: 93 Resp: 142119

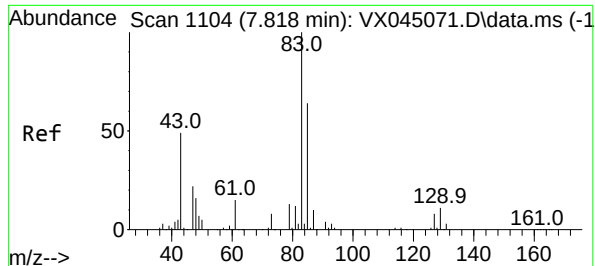
Ion Ratio Lower Upper

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 :

VSTDICC150

Tgt Ion: 83 Resp: 28025

Ion Ratio Lower Upper

83 100

85 64.9 51.1 76.7

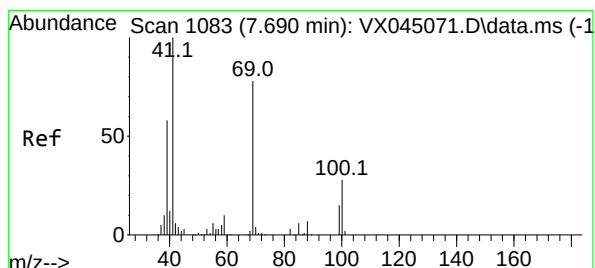
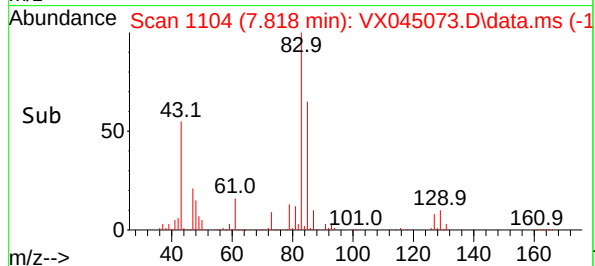
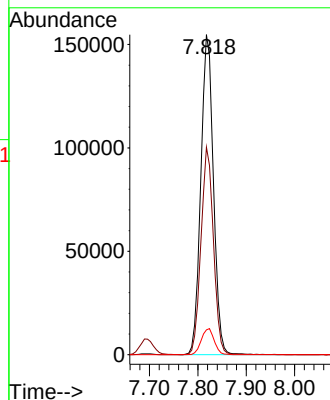
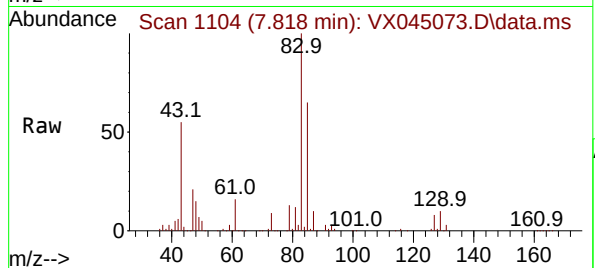
127 7.8 6.4 9.6

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

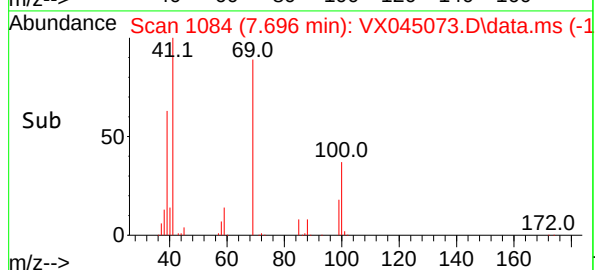
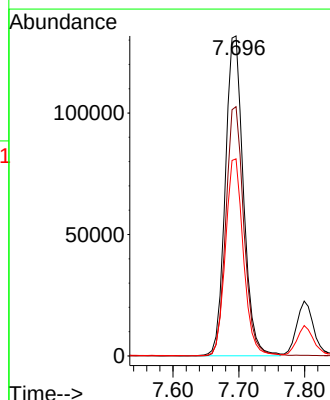
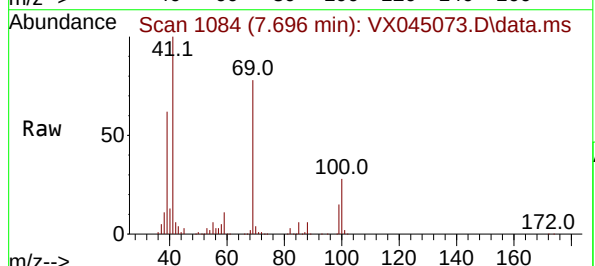
Tgt Ion: 41 Resp: 252275

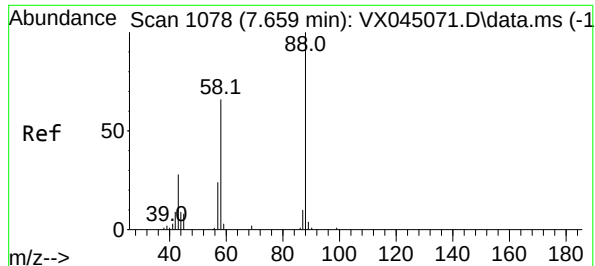
Ion Ratio Lower Upper

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 :

VSTDICC150

Tgt Ion: 88 Resp: 96268

Ion Ratio Lower Upper

88 100

43 37.0 28.7 43.1

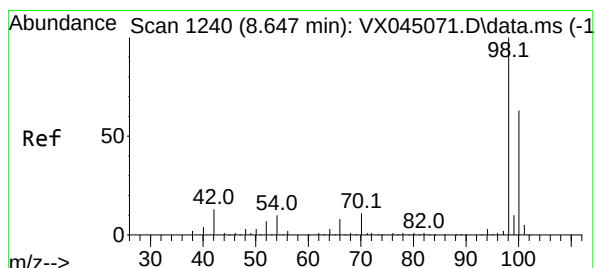
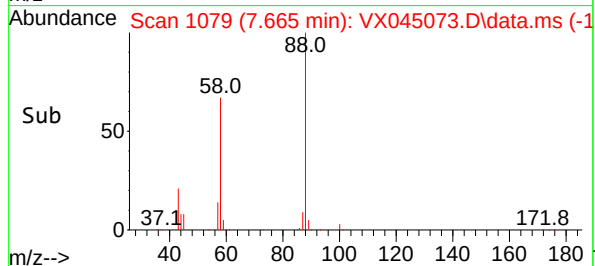
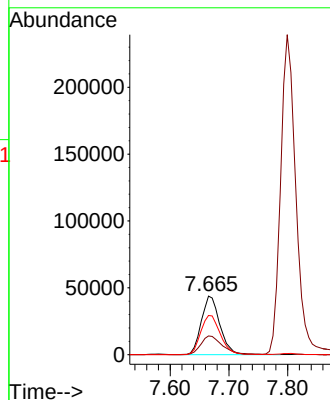
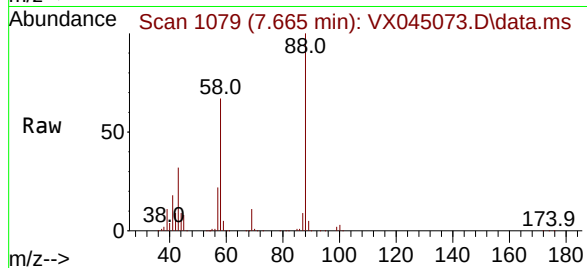
58 70.8 55.8 83.8

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

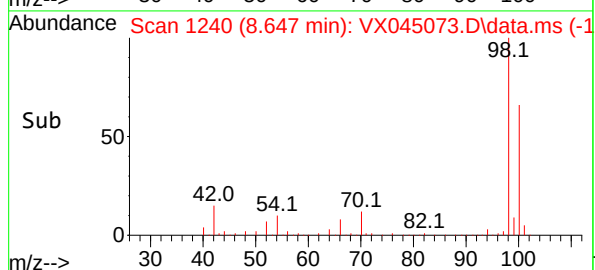
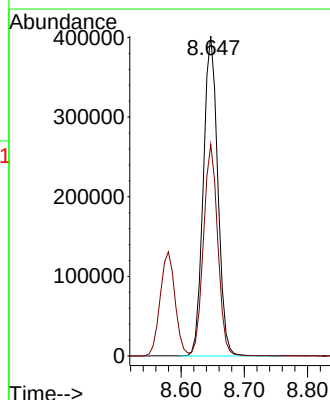
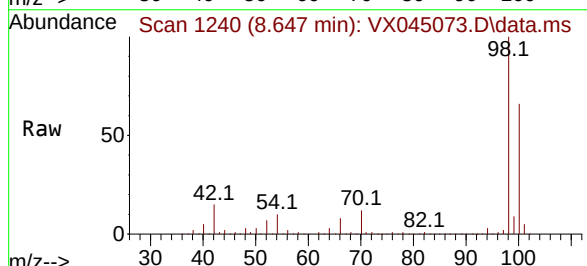
Acq: 28 Feb 2025 03:47

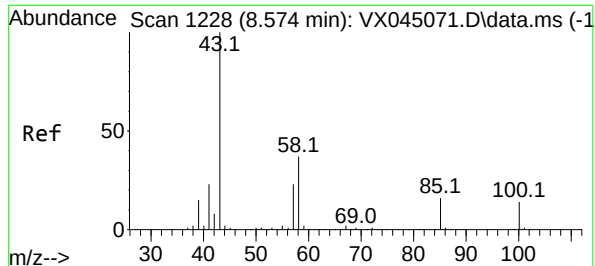
Tgt Ion: 98 Resp: 638979

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

Tgt Ion: 43 Resp: 153615

Ion Ratio Lower Upper

43 100

58 37.1 29.2 43.8

Instrument :

MSVOA_X

ClientSampleId :

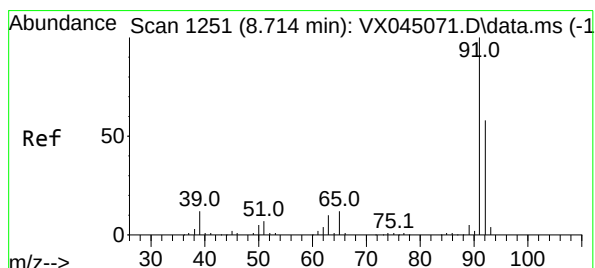
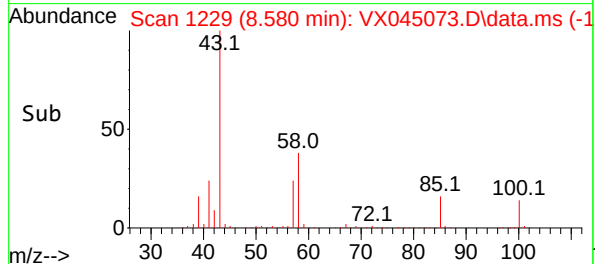
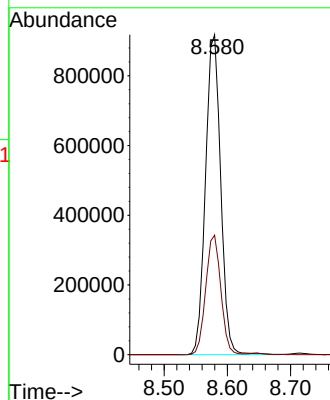
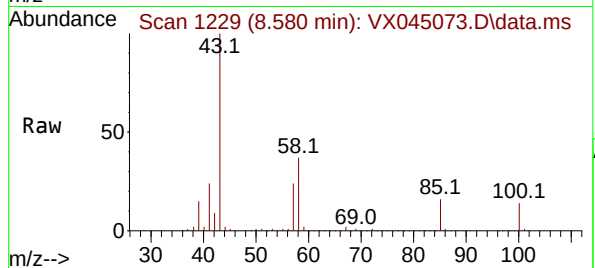
VSTDIC150

Manual Integrations

APPROVED

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

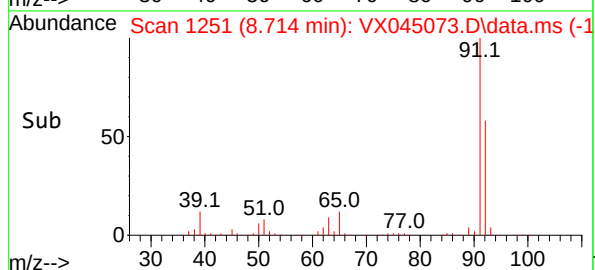
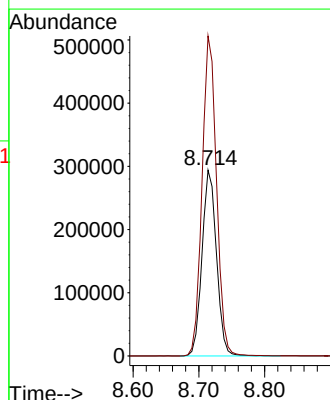
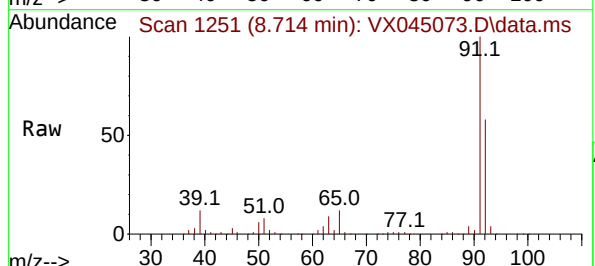
Acq: 28 Feb 2025 03:47

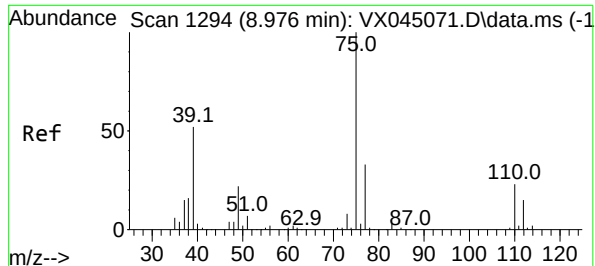
Tgt Ion: 92 Resp: 448664

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

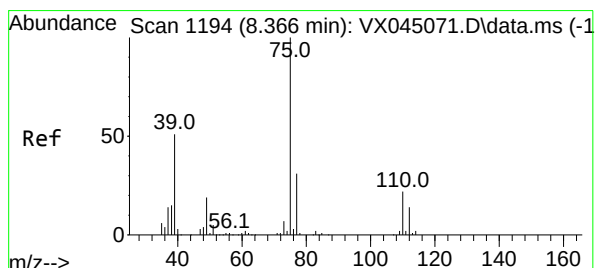
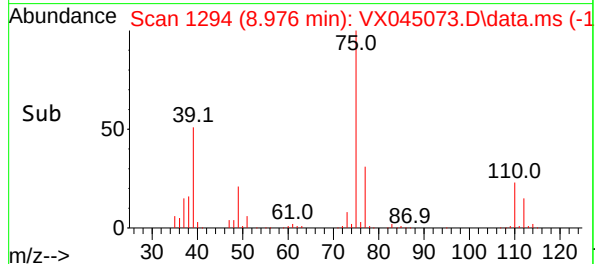
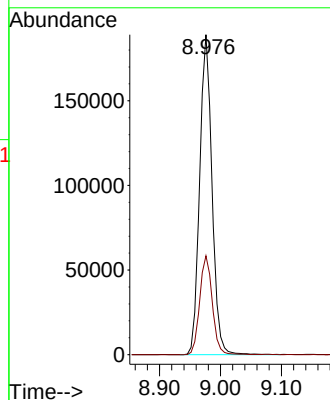
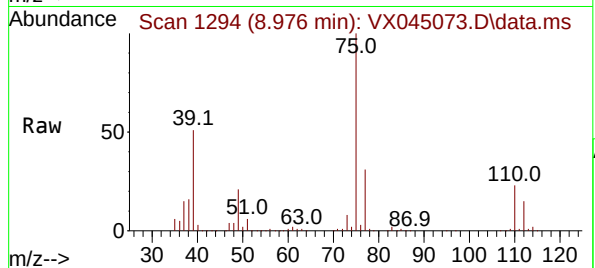
77 30.9 26.5 39.7

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

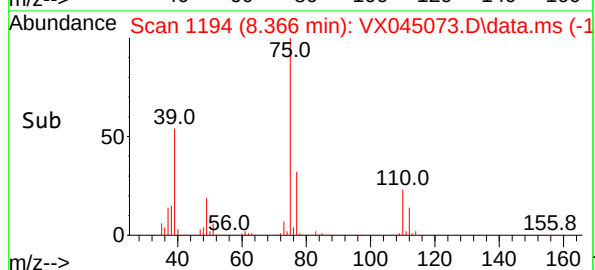
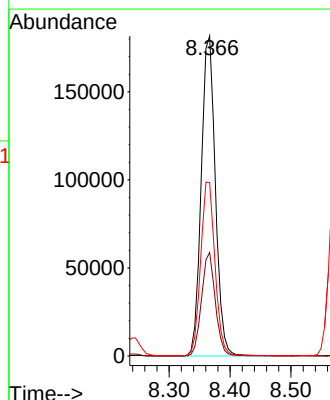
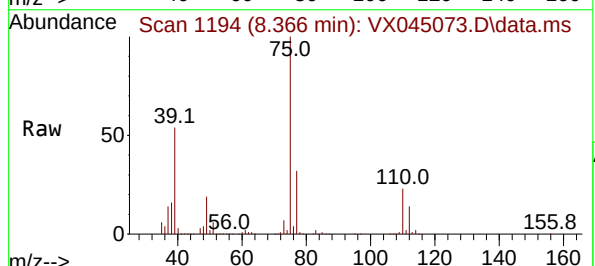
Tgt Ion: 75 Resp: 293521

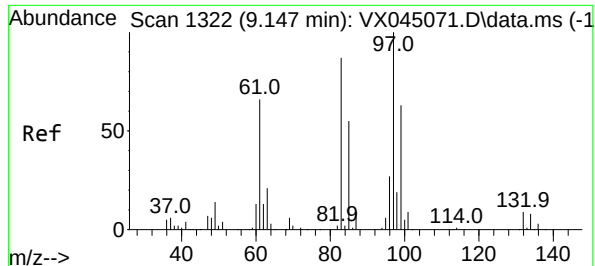
Ion Ratio Lower Upper

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 :

VSTDICC150

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

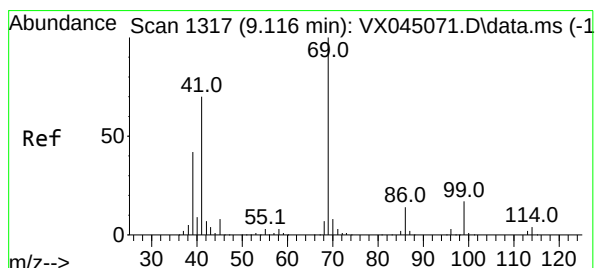
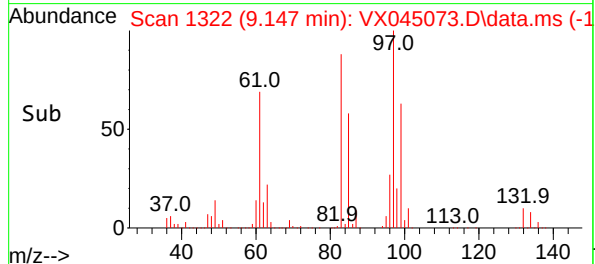
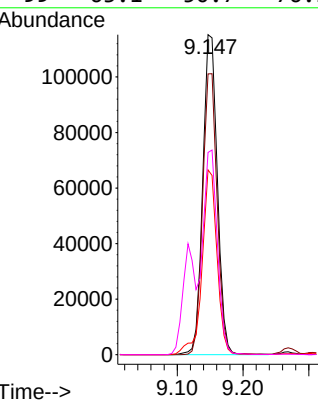
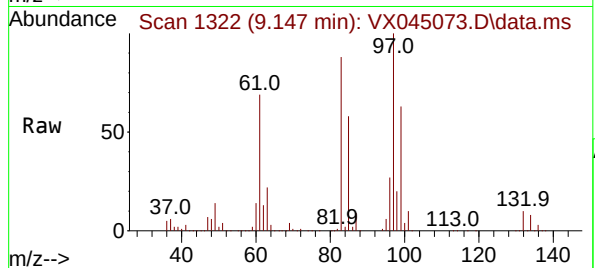
99 63.1 50.7 76.1

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

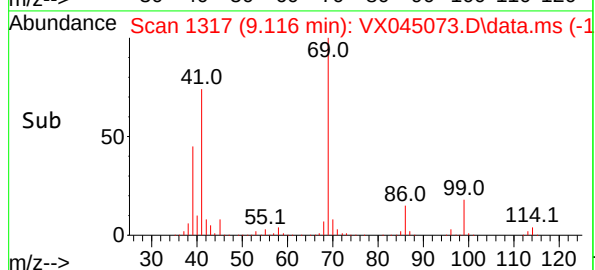
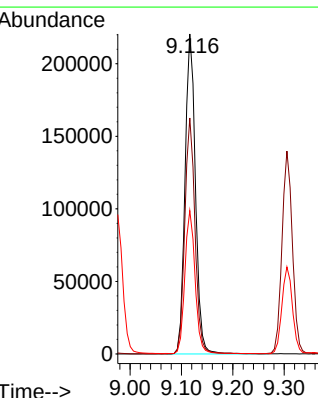
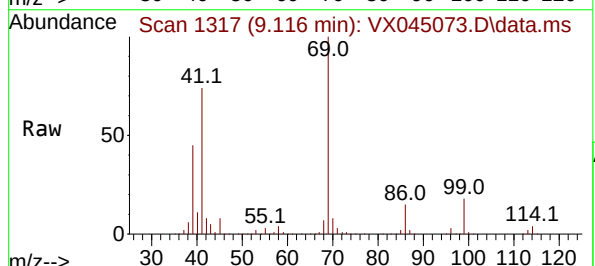
Tgt Ion: 69 Resp: 310992

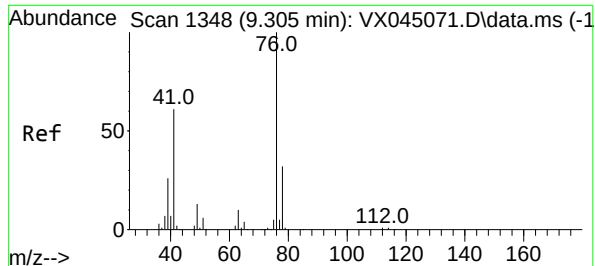
Ion Ratio Lower Upper

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# 1173

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

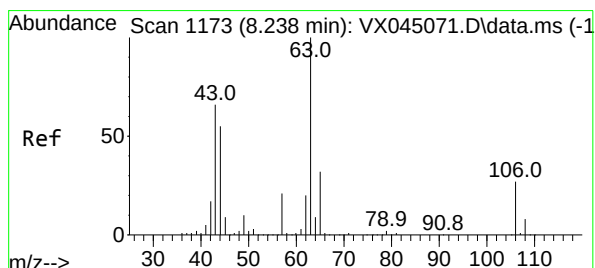
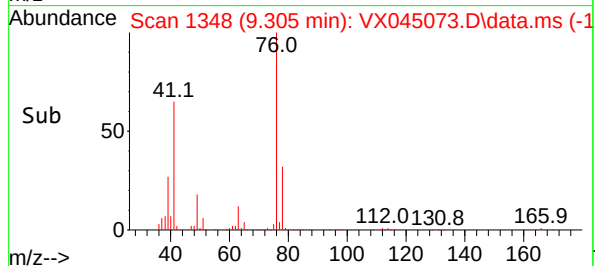
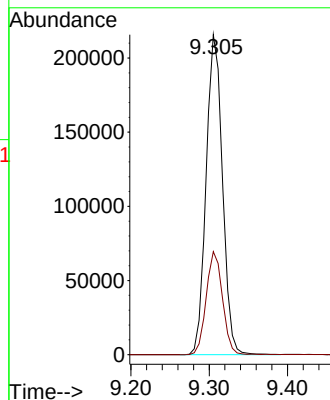
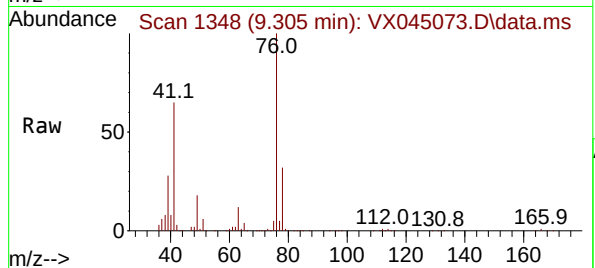
78 32.0 25.5 38.3

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

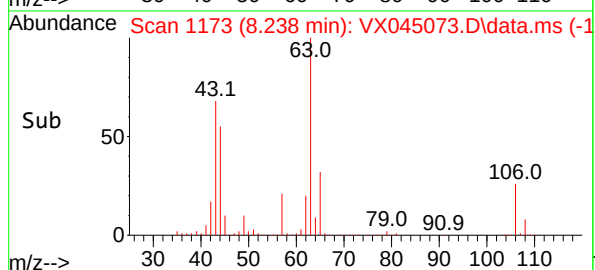
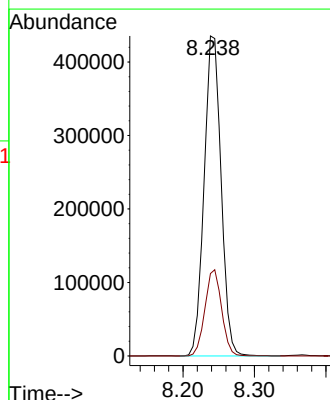
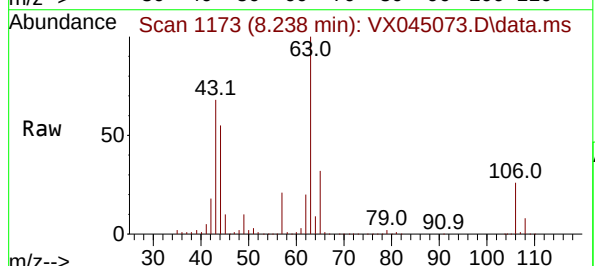
Acq: 28 Feb 2025 03:47

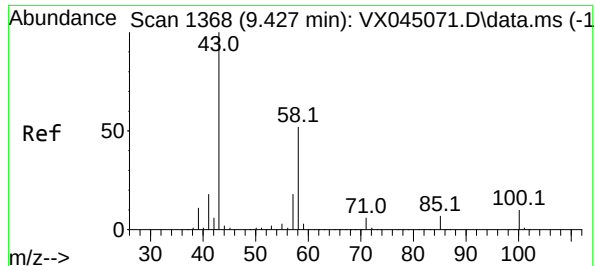
Tgt Ion: 63 Resp: 717328

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# 11

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: 115665

Ion Ratio Lower Upper

43 100

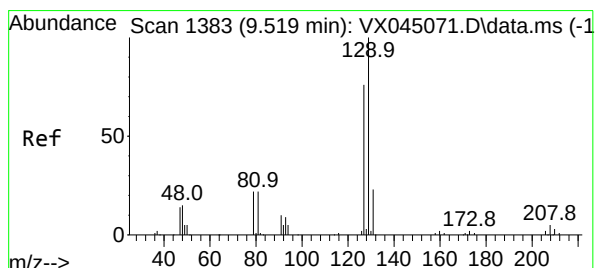
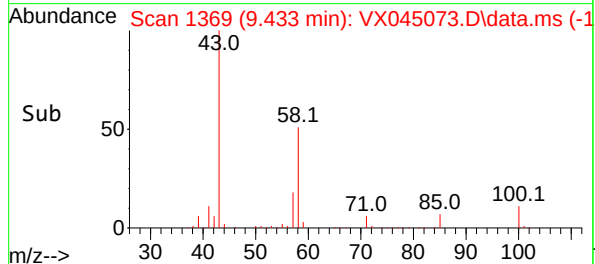
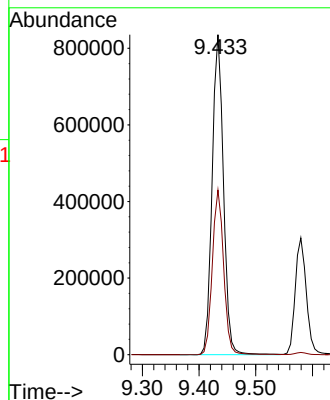
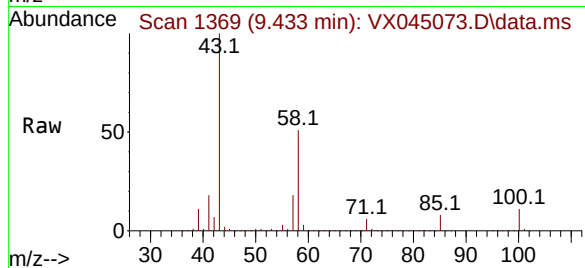
58 51.6 25.9 77.6

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

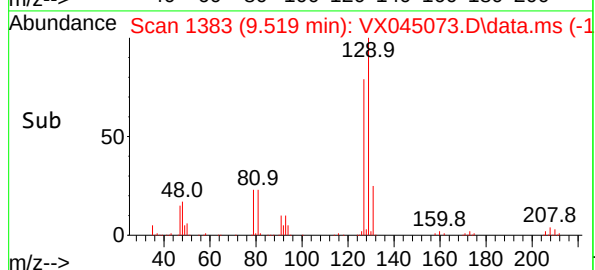
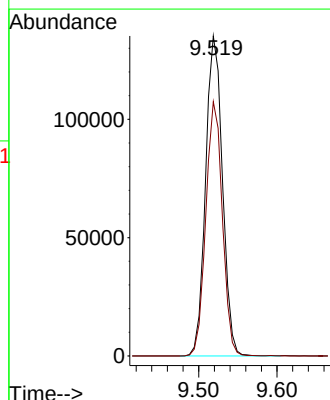
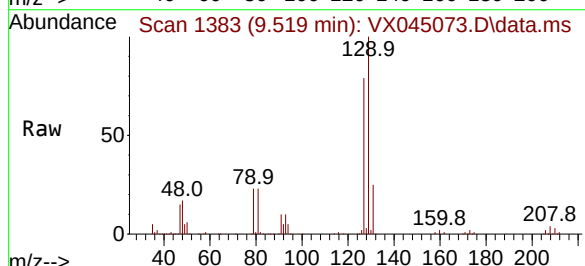
Acq: 28 Feb 2025 03:47

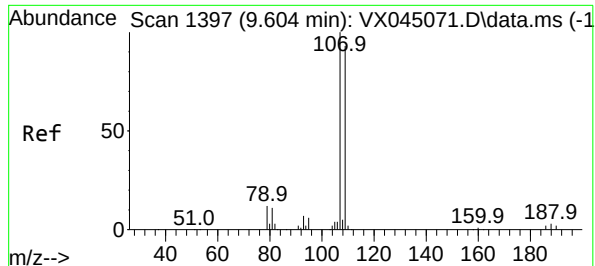
Tgt Ion:129 Resp: 201906

Ion Ratio Lower Upper

129 100

127 77.9 38.5 115.5





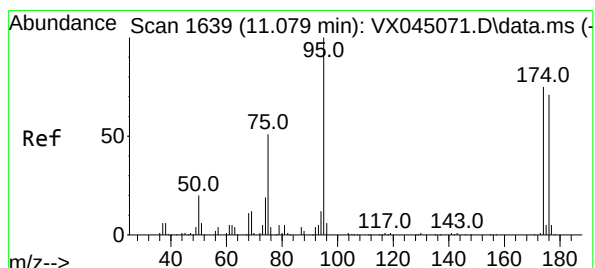
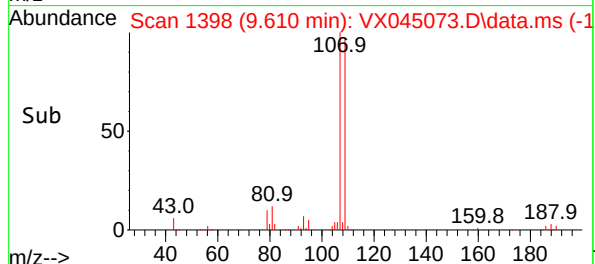
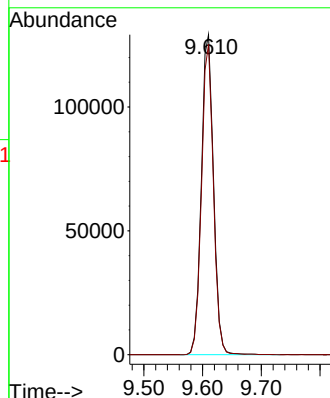
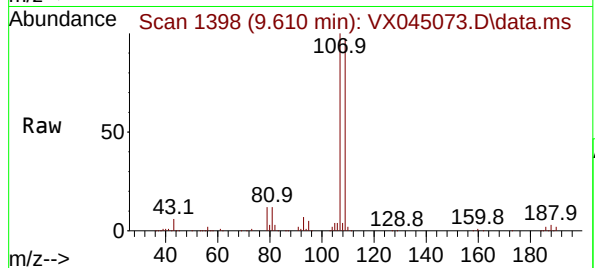
#61
1,2-Dibromoethane
Concen: 154.074 ug/l
RT: 9.610 min Scan# 1397
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion:107 Resp: 185828
Ion Ratio Lower Upper
107 100
109 95.2 76.1 114.1

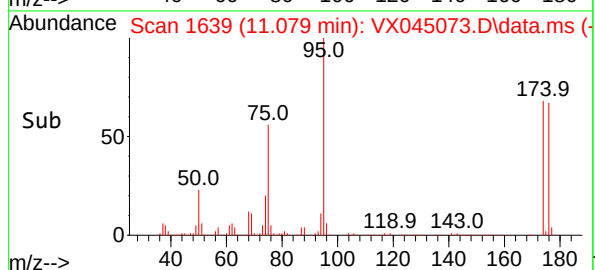
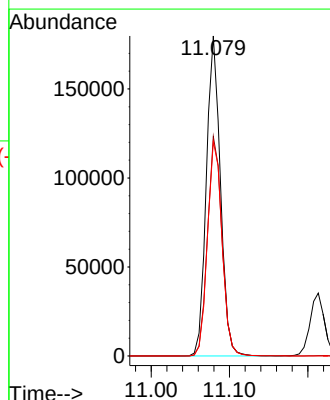
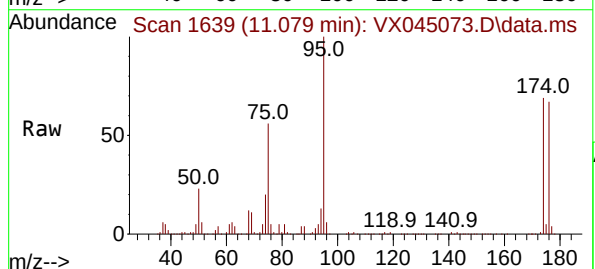
Manual Integrations
APPROVED

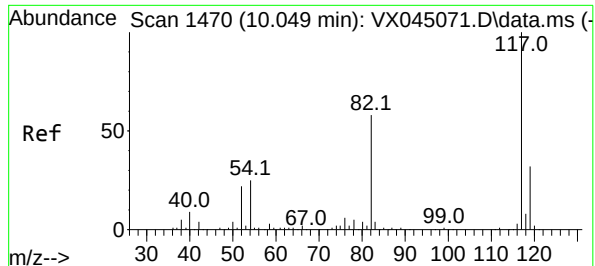
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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 :

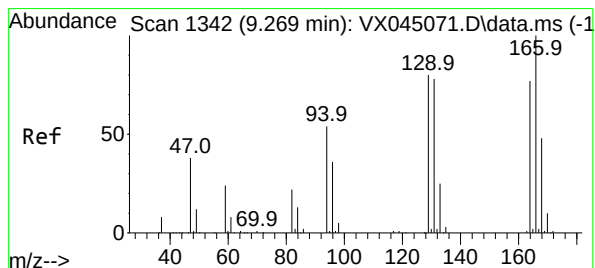
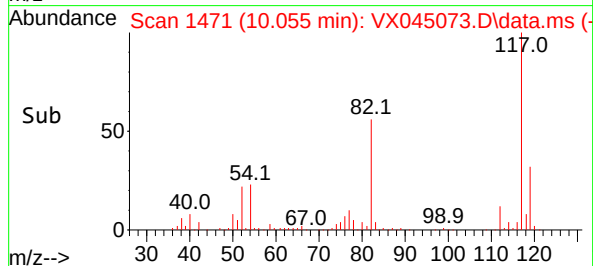
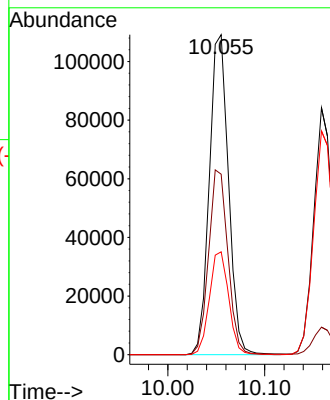
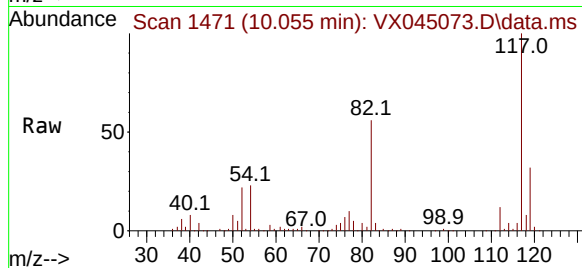
VSTDIC150

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

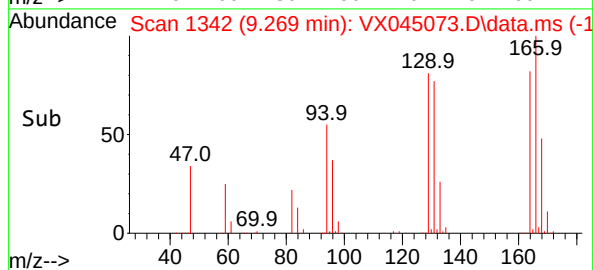
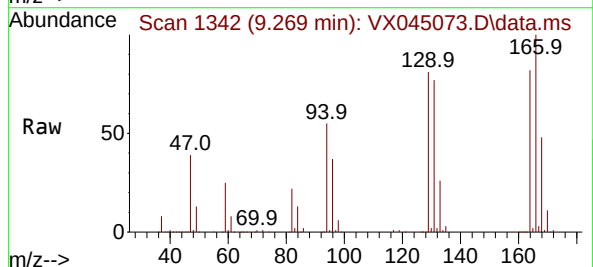
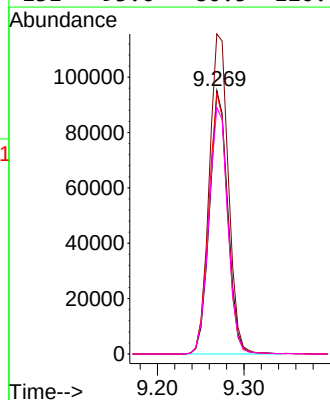
RT: 9.269 min Scan# 1342

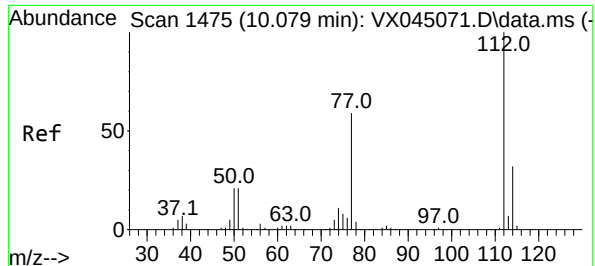
Delta R.T. -0.000 min

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





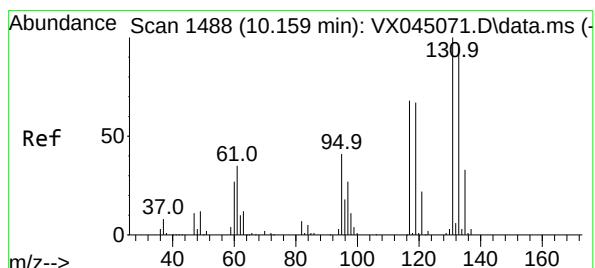
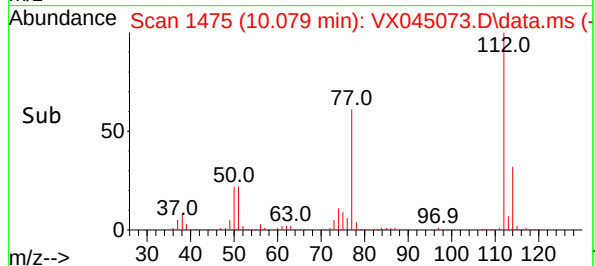
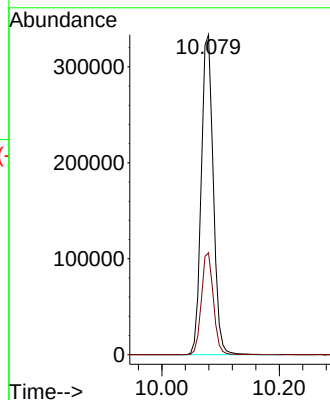
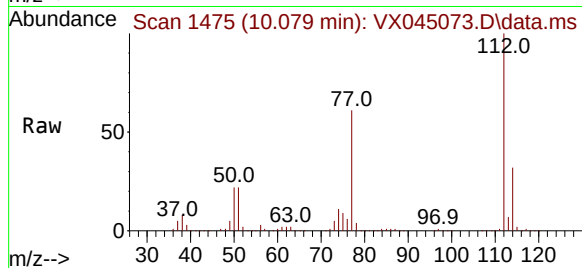
#65
Chlorobenzene
Concen: 146.096 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 47211
Ion Ratio Lower Upper
112 100
114 31.9 26.0 39.0

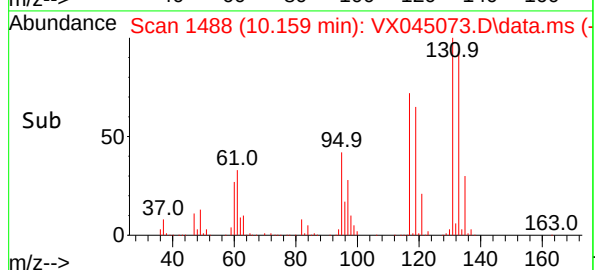
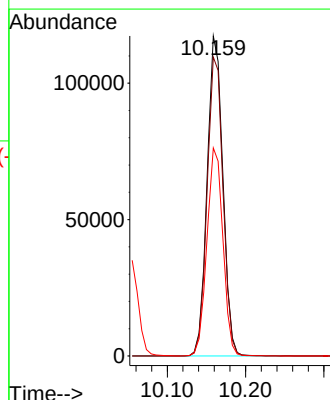
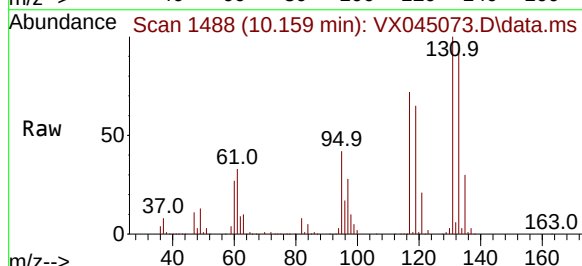
Manual Integrations
APPROVED

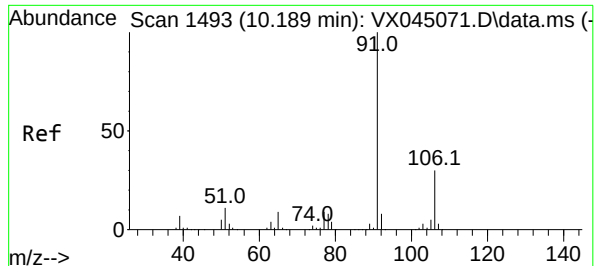
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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 :

VSTDIC150

Tgt Ion: 91 Resp: 852579

Ion Ratio Lower Upper

91 100

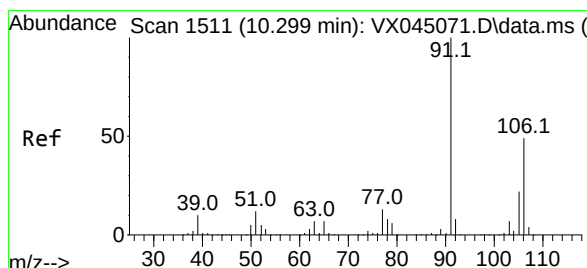
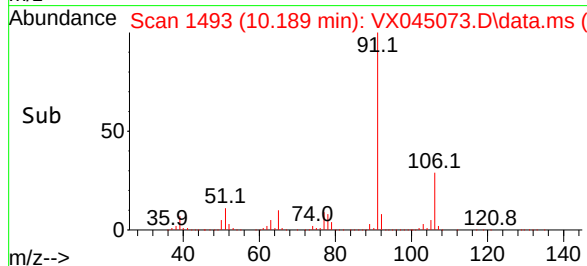
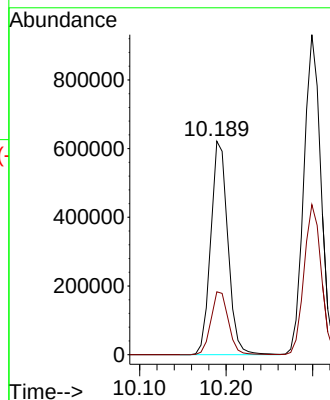
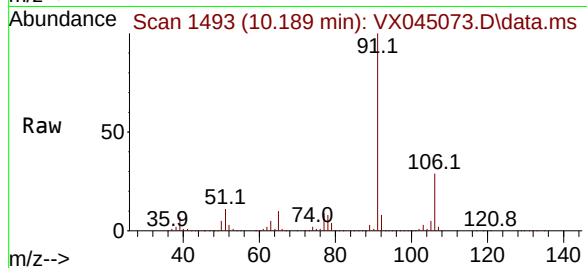
106 29.5 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#68

m/p-Xylenes

Concen: 288.655 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX045073.D

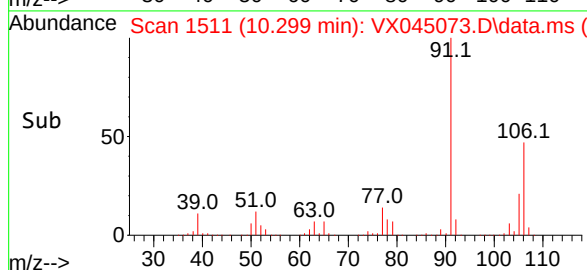
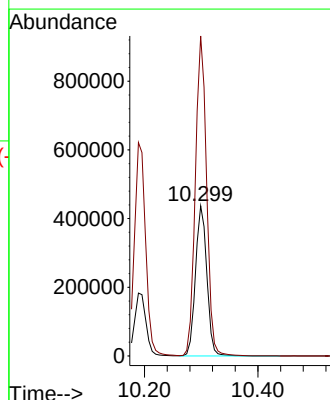
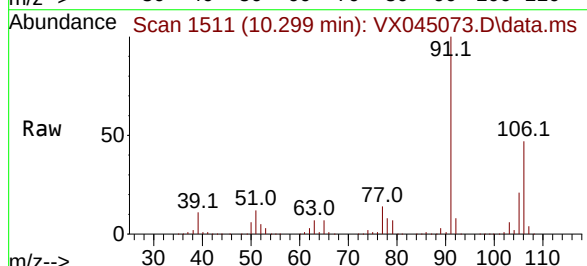
Acq: 28 Feb 2025 03:47

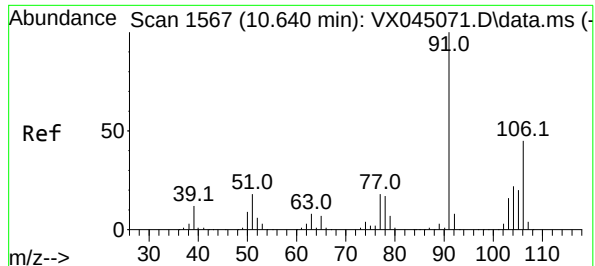
Tgt Ion:106 Resp: 607523

Ion Ratio Lower Upper

106 100

91 211.2 165.4 248.0





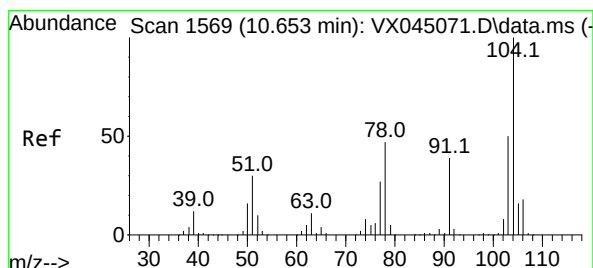
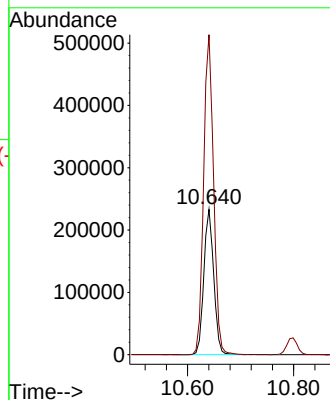
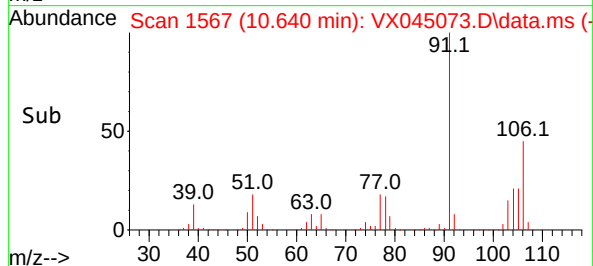
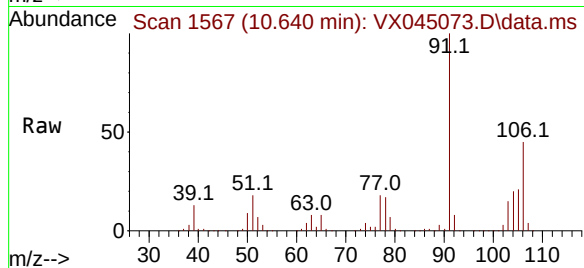
#69
o-Xylene
Concen: 143.259 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 302495
Ion Ratio Lower Upper
106 100
91 221.3 109.9 329.6

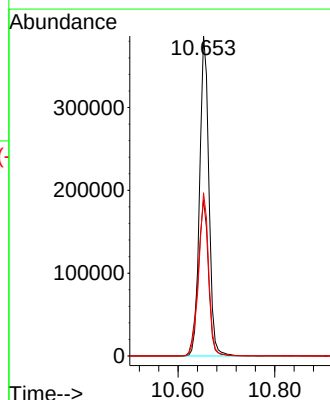
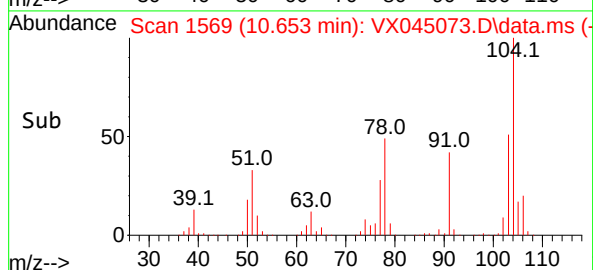
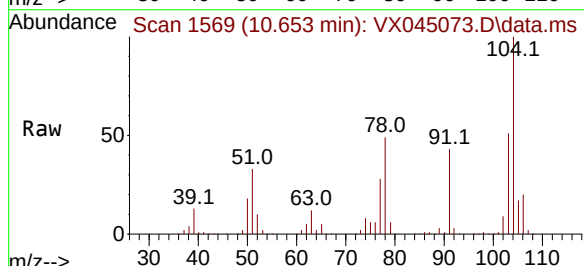
Manual Integrations
APPROVED

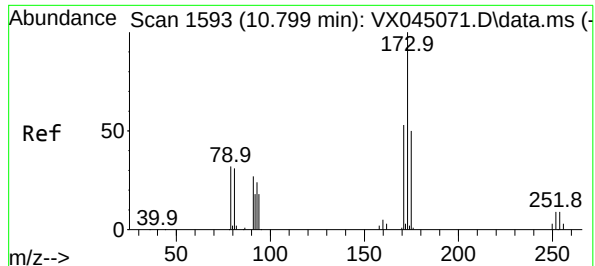
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

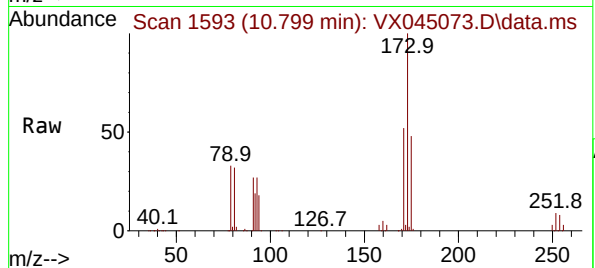
Tgt Ion:104 Resp: 512379
Ion Ratio Lower Upper
104 100
78 54.4 42.2 63.4
103 54.8 43.8 65.8





#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

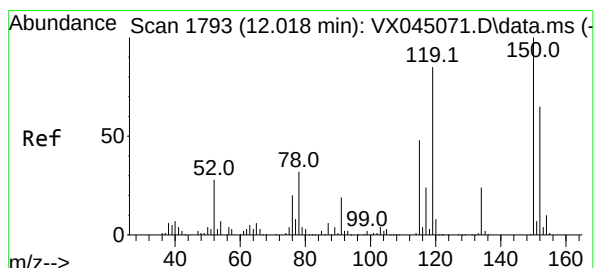
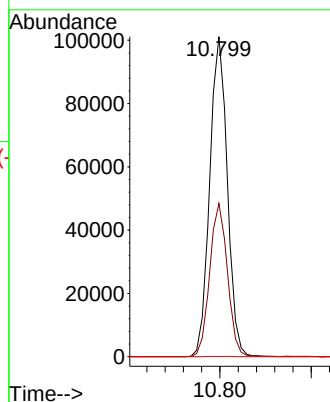
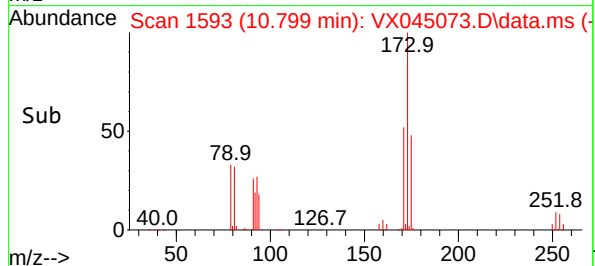
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



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

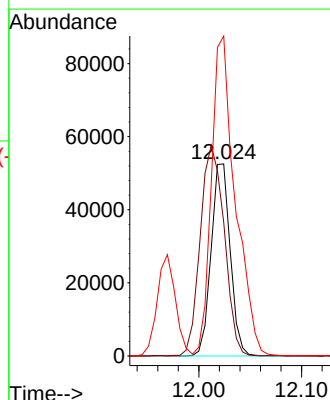
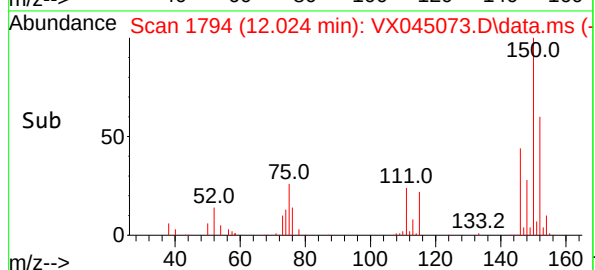
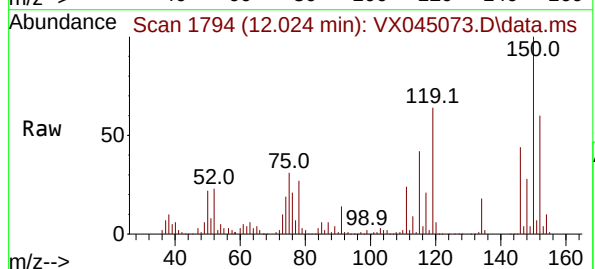
Manual Integrations
APPROVED

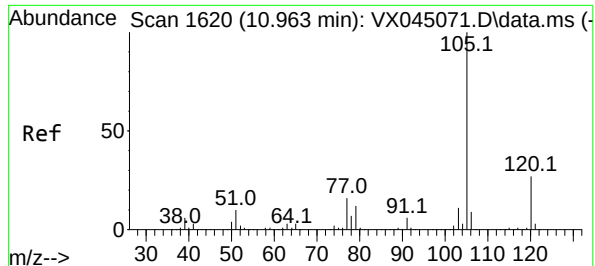
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





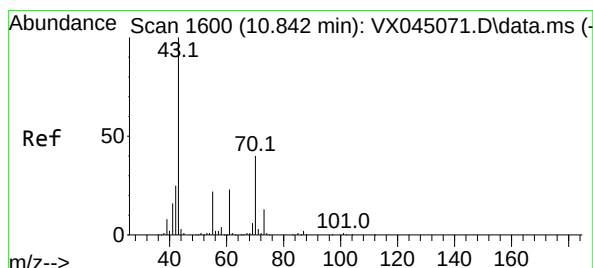
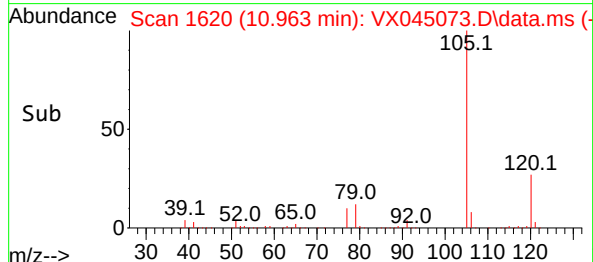
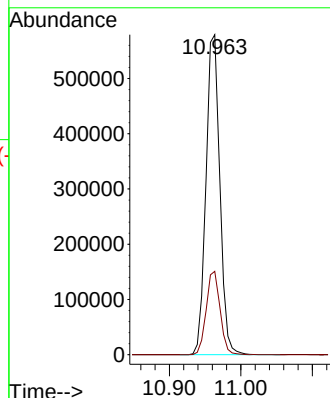
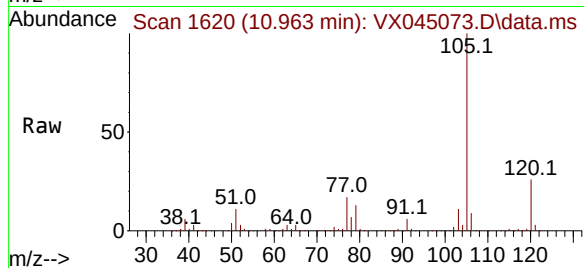
#73
Isopropylbenzene
Concen: 142.719 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 780700
Ion Ratio Lower Upper
105 100
120 26.0 13.2 39.5

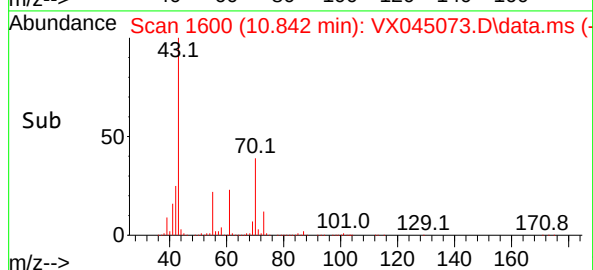
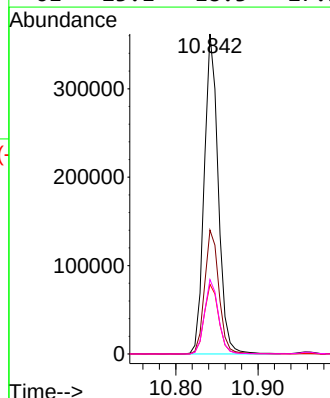
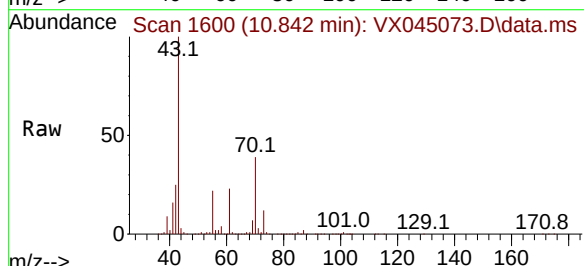
Manual Integrations
APPROVED

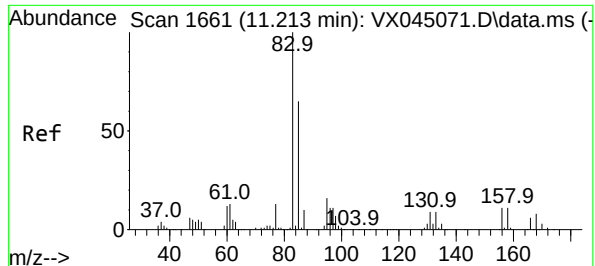
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

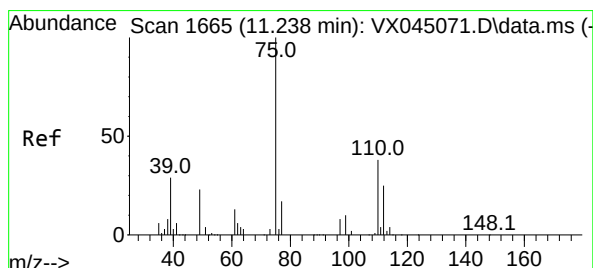
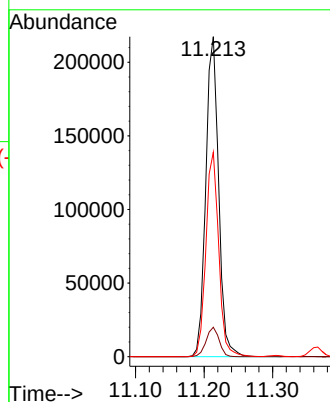
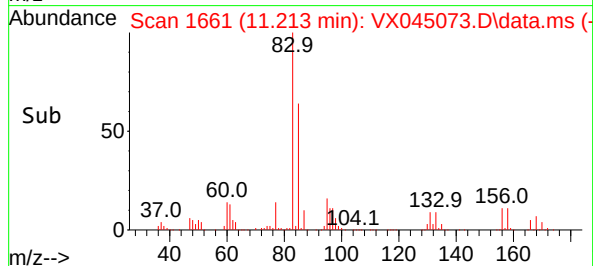
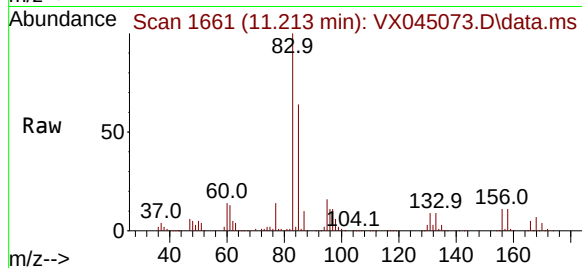
85 63.8 31.7 95.1

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

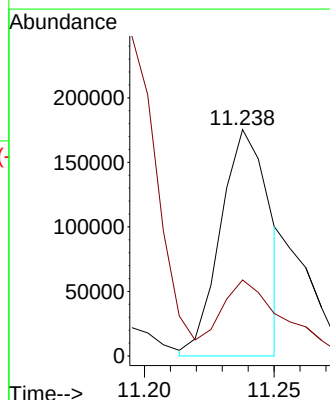
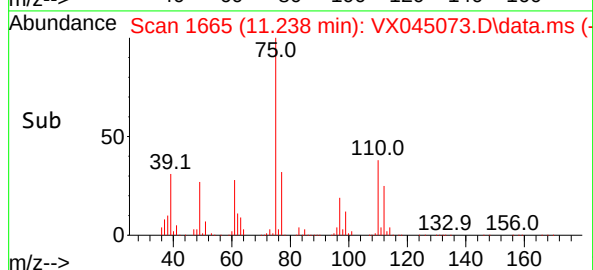
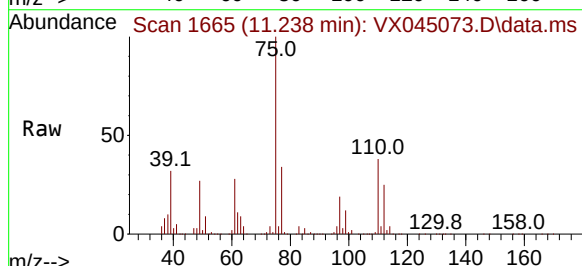
Acq: 28 Feb 2025 03:47

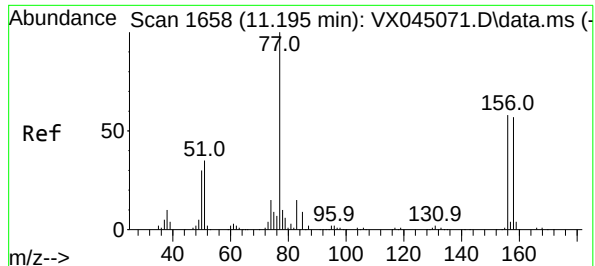
Tgt Ion: 75 Resp: 229435

Ion Ratio Lower Upper

75 100

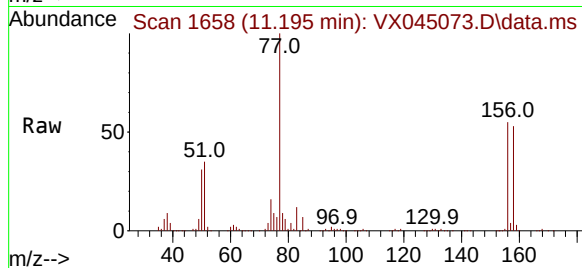
77 43.2 20.7 62.1





#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

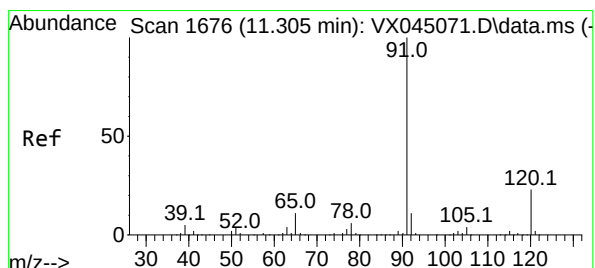
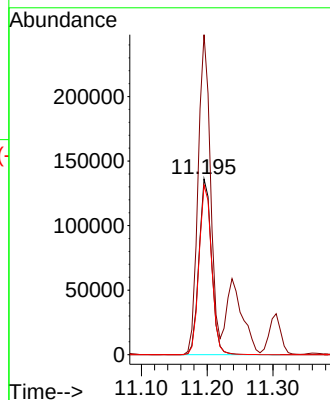
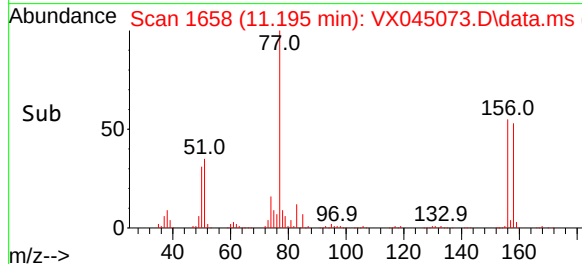
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



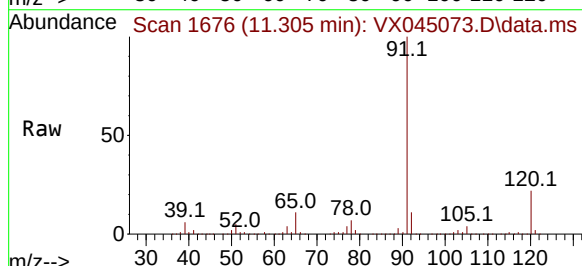
Tgt Ion:156 Resp: 18099
Ion Ratio Lower Upper
156 100
77 179.4 85.8 257.4
158 97.1 48.4 145.2

Manual Integrations
APPROVED

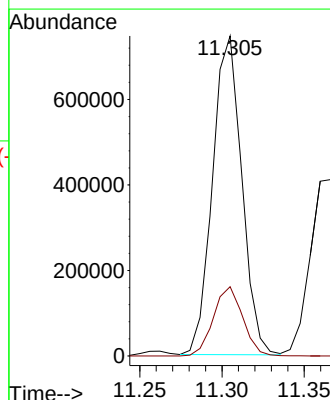
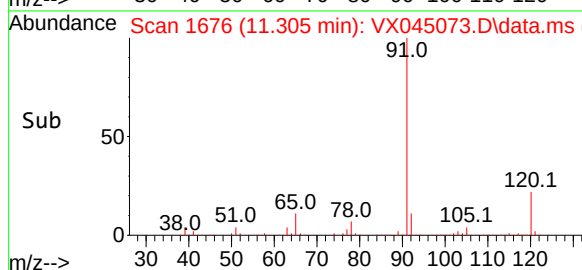
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

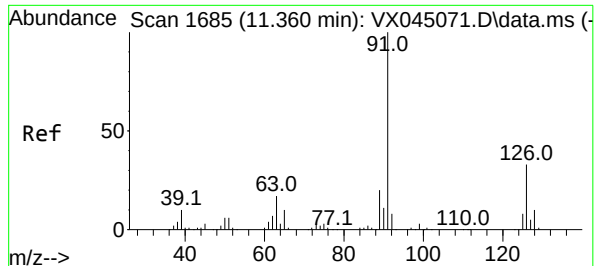


#78
n-propylbenzene
Concen: 146.395 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47



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

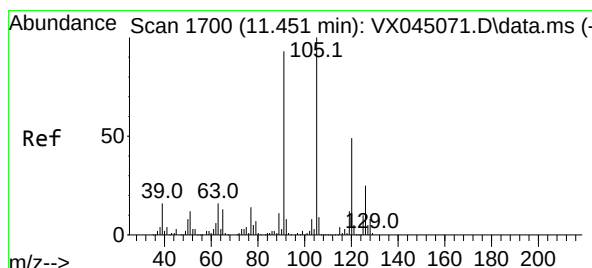
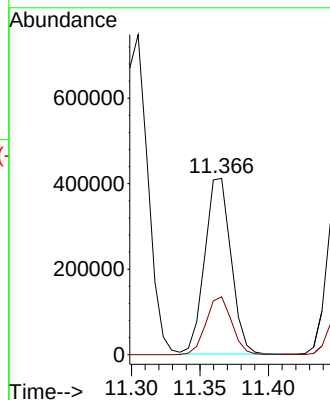
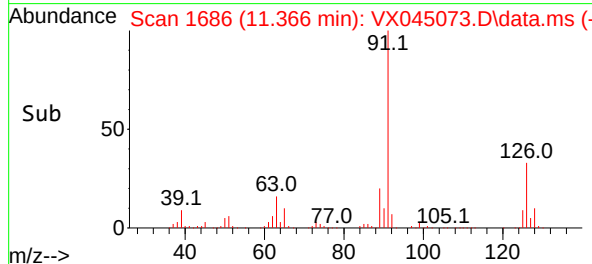
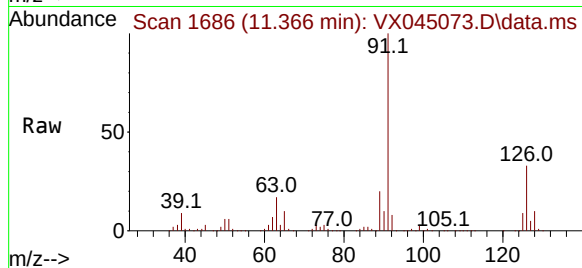
126 32.4 16.4 49.4

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

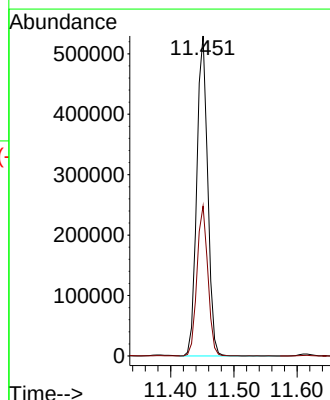
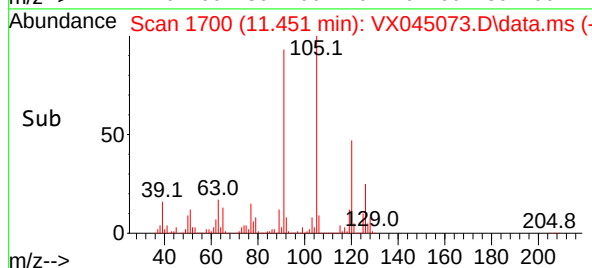
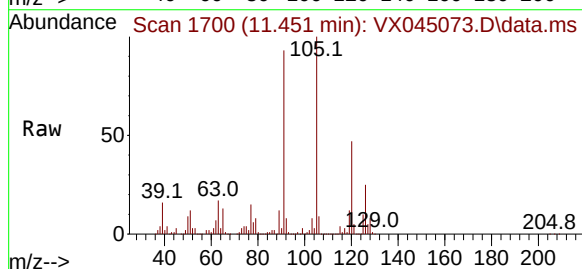
Acq: 28 Feb 2025 03:47

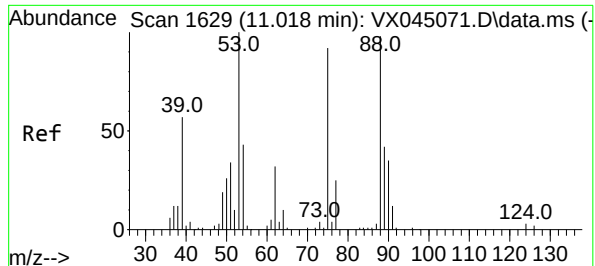
Tgt Ion:105 Resp: 635832

Ion Ratio Lower Upper

105 100

120 46.7 24.1 72.2





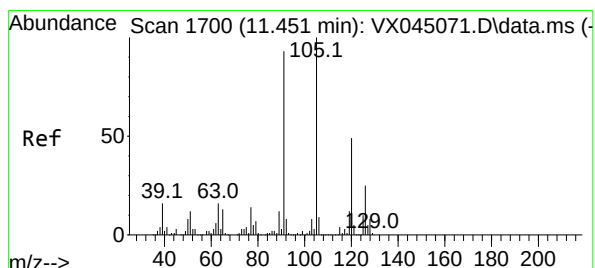
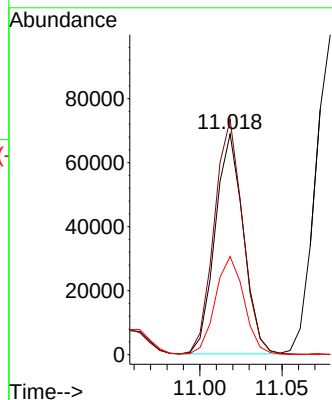
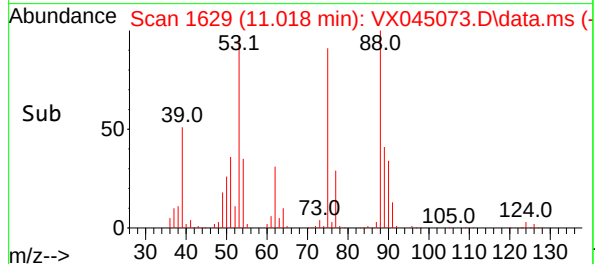
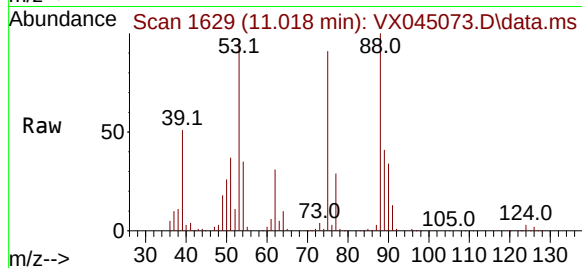
#81
trans-1,4-Dichloro-2-butene
Concen: 147.761 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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

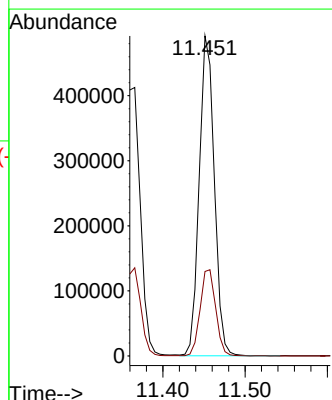
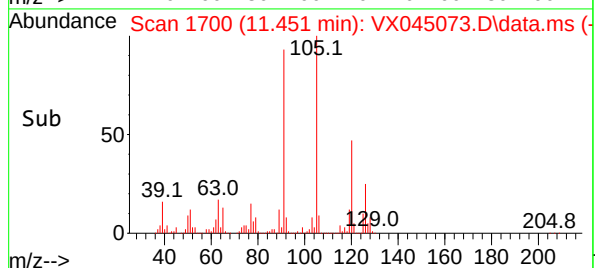
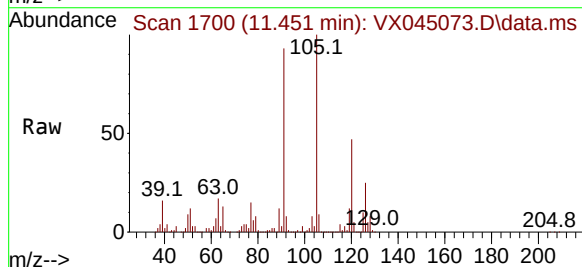
Manual Integrations
APPROVED

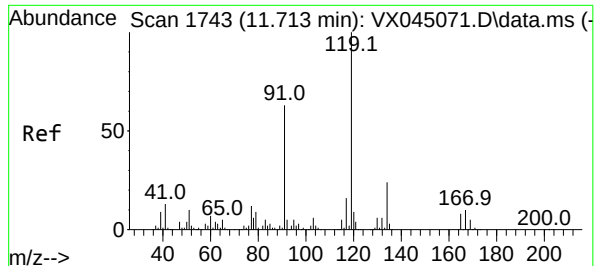
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





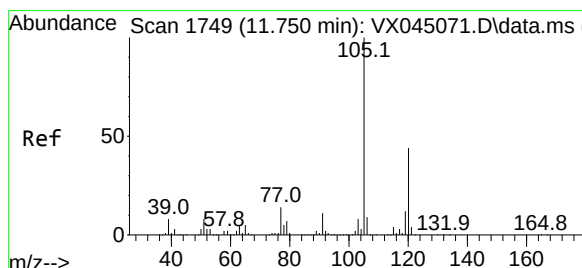
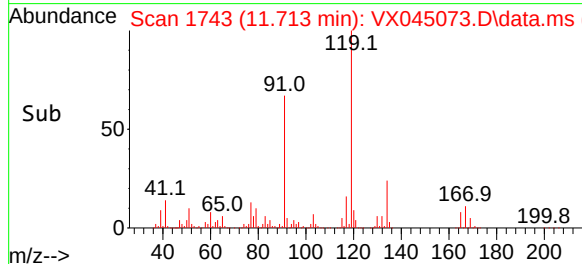
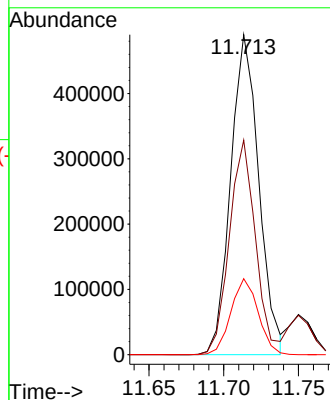
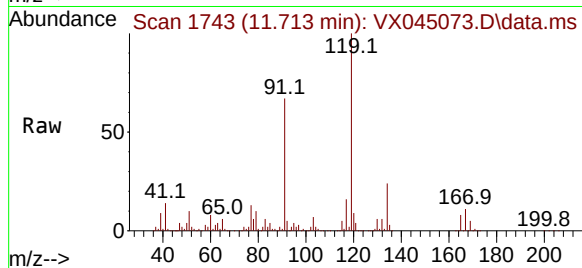
#83
tert-Butylbenzene
Concen: 142.974 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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

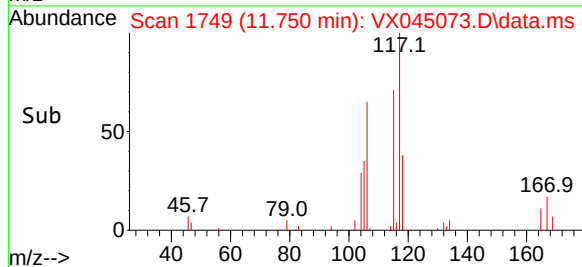
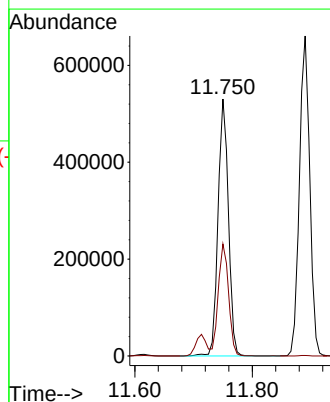
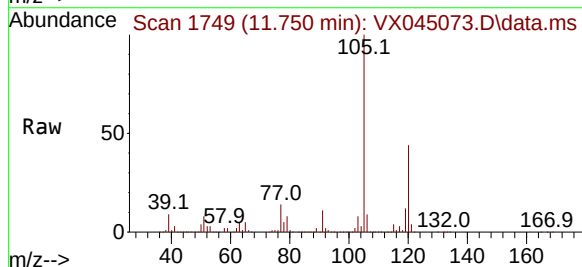
Manual Integrations
APPROVED

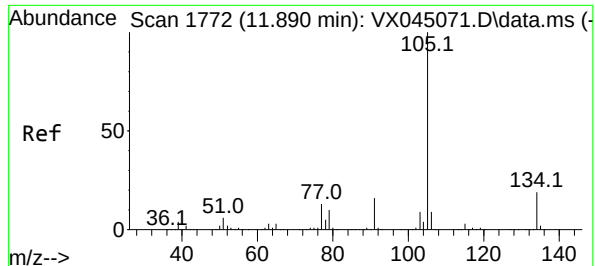
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





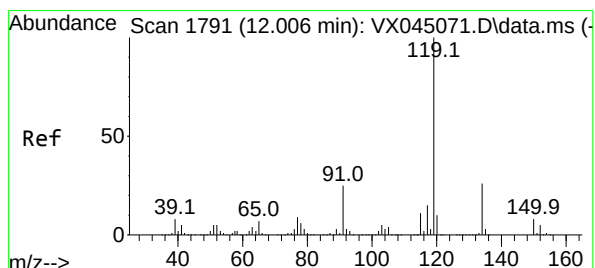
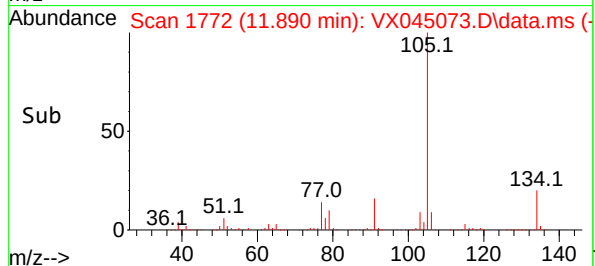
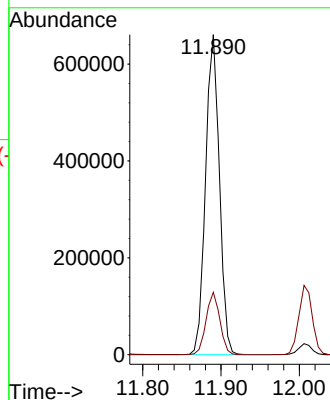
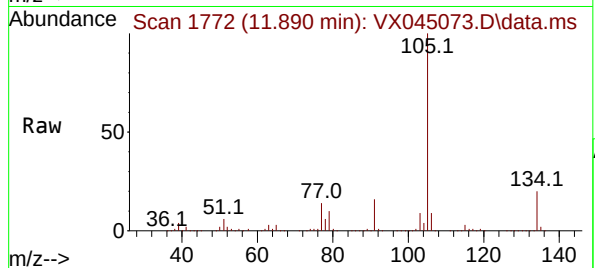
#85
sec-Butylbenzene
Concen: 145.383 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 80771
Ion Ratio Lower Upper
105 100
134 19.4 9.8 29.4

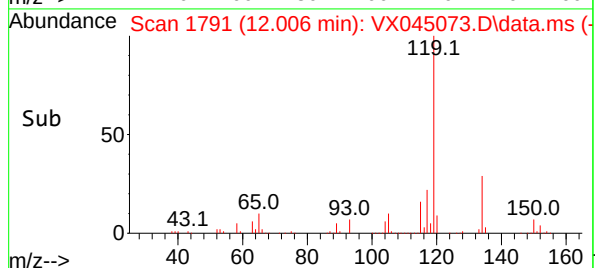
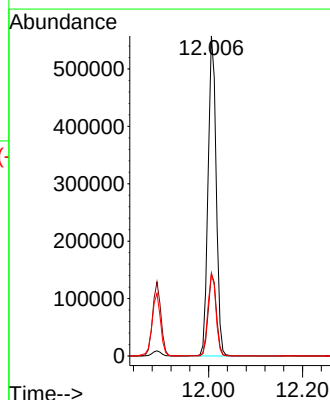
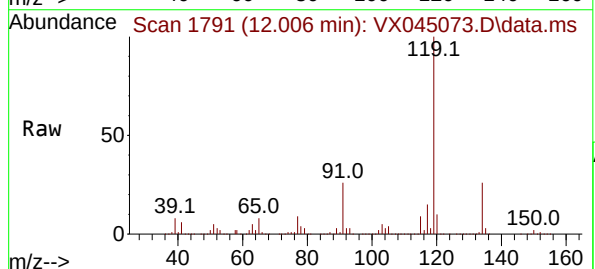
Manual Integrations
APPROVED

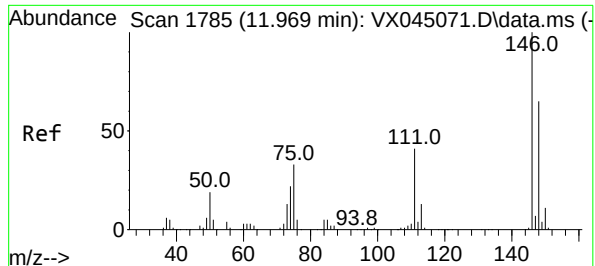
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

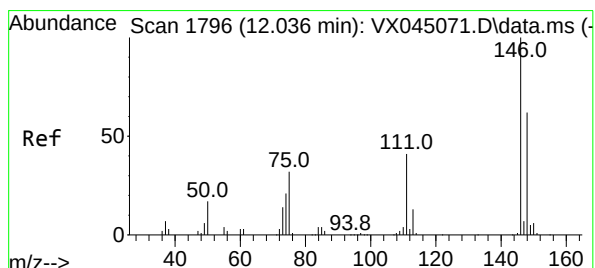
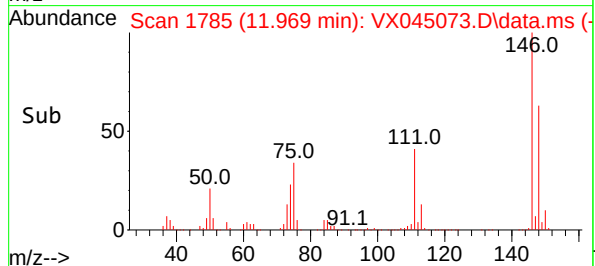
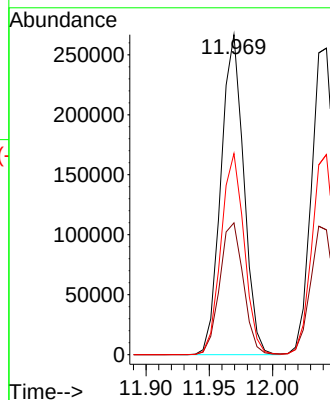
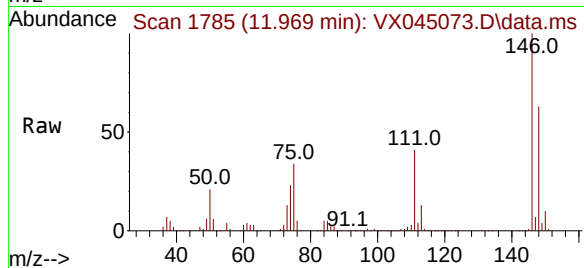
148 63.6 31.9 95.7

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

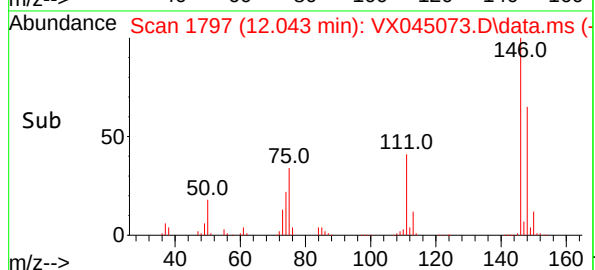
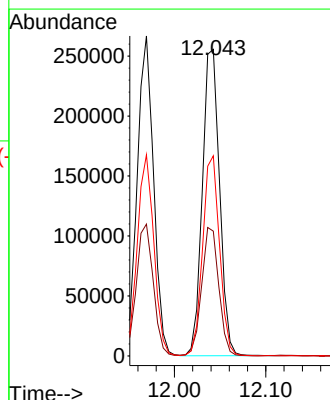
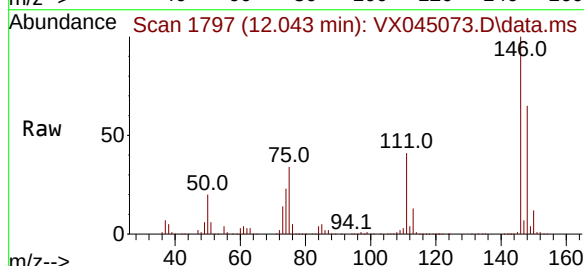
Tgt Ion:146 Resp: 333594

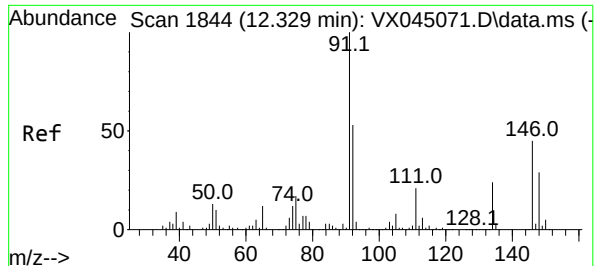
Ion Ratio Lower Upper

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

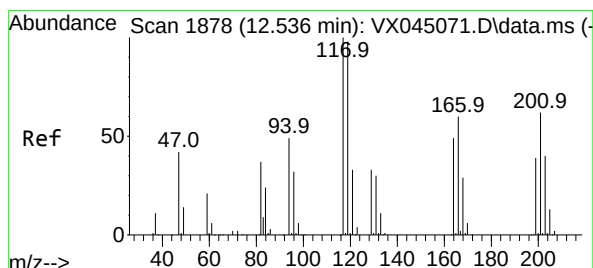
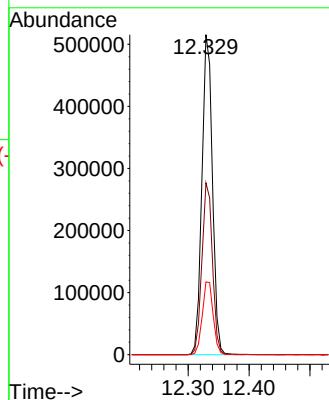
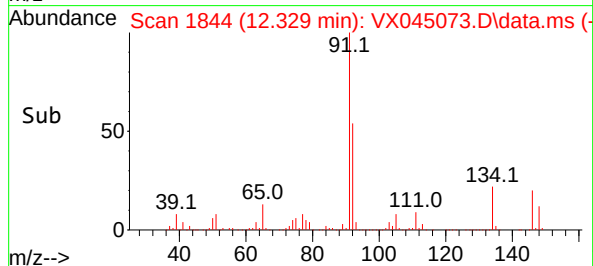
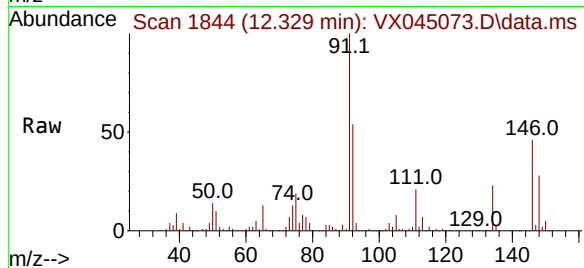
134 23.6 12.2 36.6

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

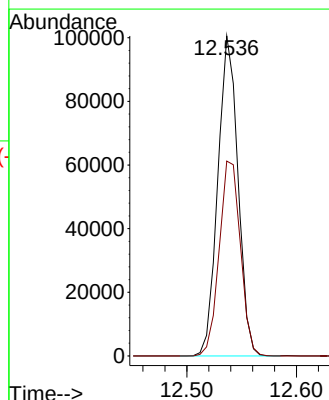
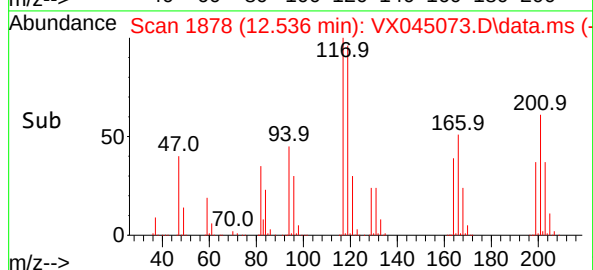
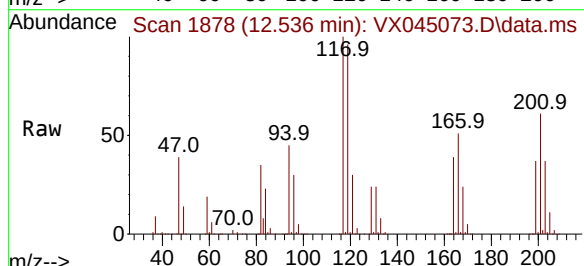
Acq: 28 Feb 2025 03:47

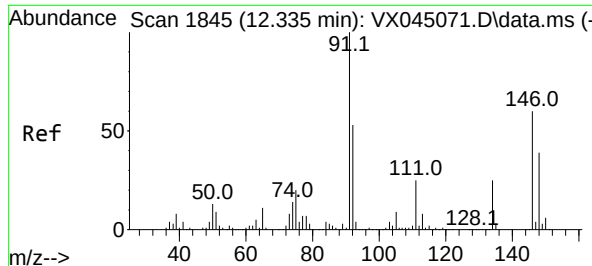
Tgt Ion:117 Resp: 128582

Ion Ratio Lower Upper

117 100

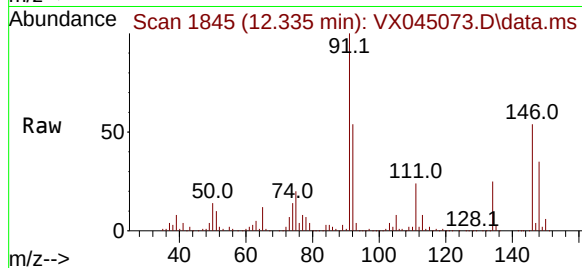
201 64.2 31.9 95.9





#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

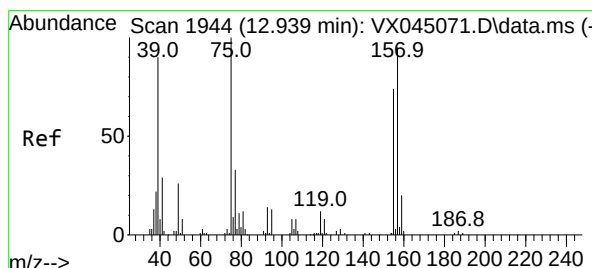
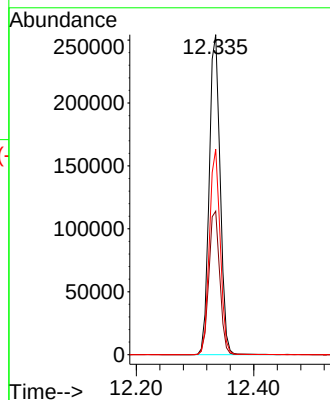
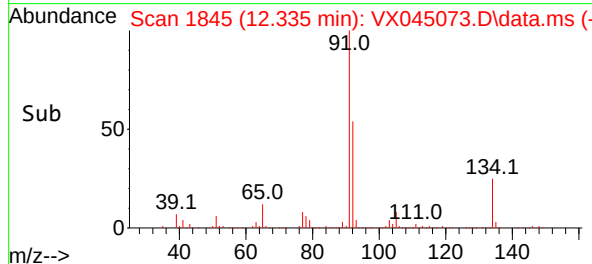
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150



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

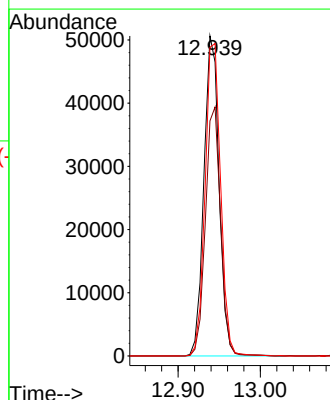
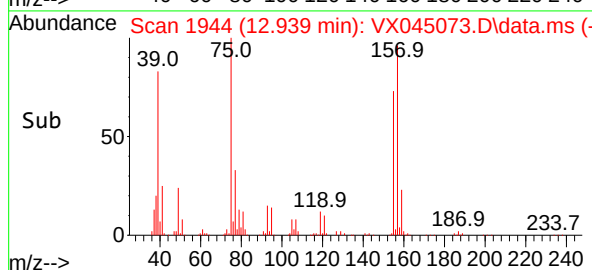
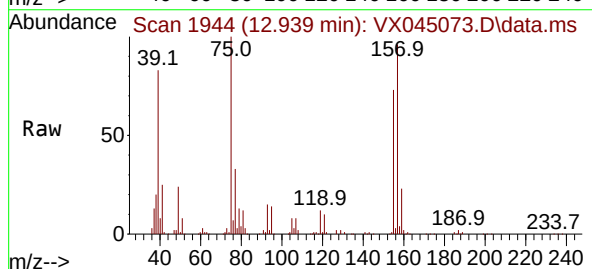
Manual Integrations
APPROVED

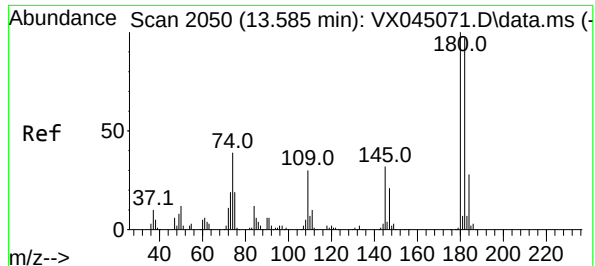
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

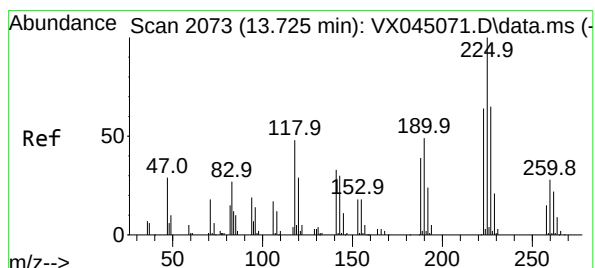
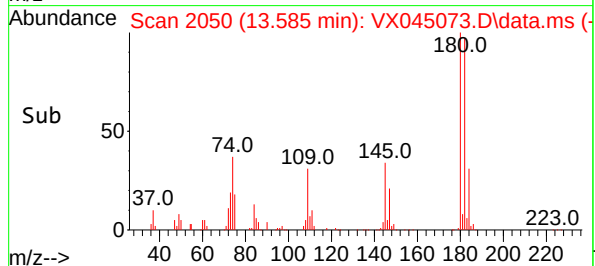
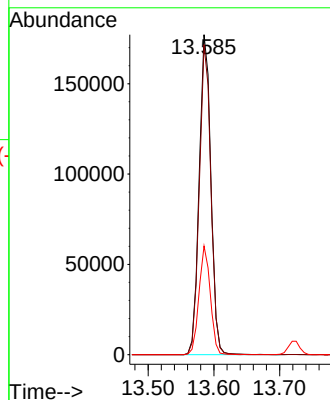
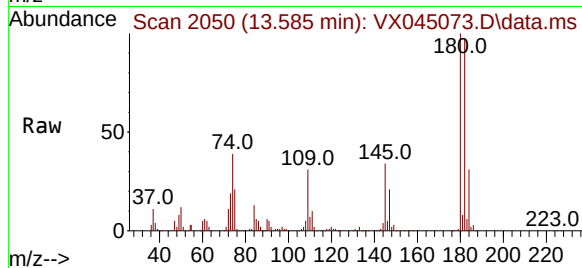
145 32.9 16.3 48.9

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

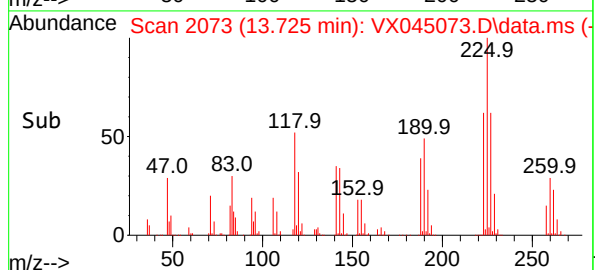
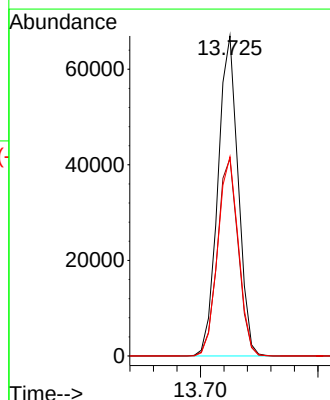
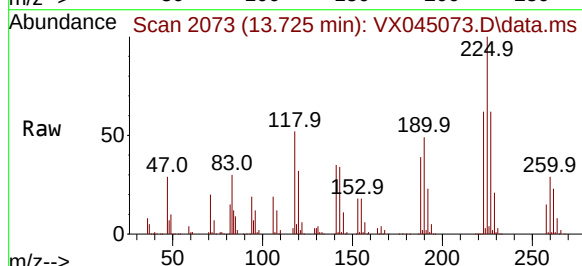
Tgt Ion:225 Resp: 80241

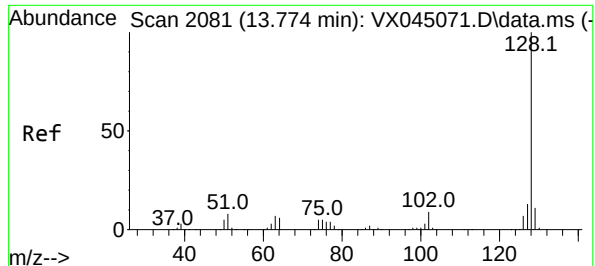
Ion Ratio Lower Upper

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 :

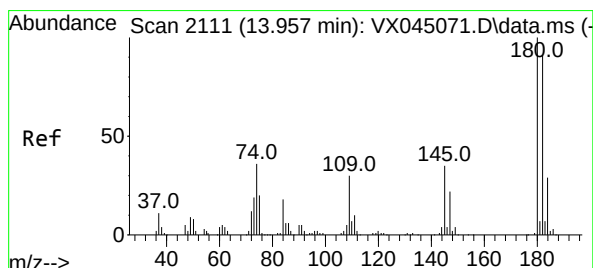
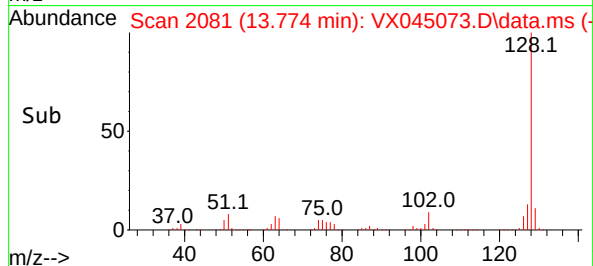
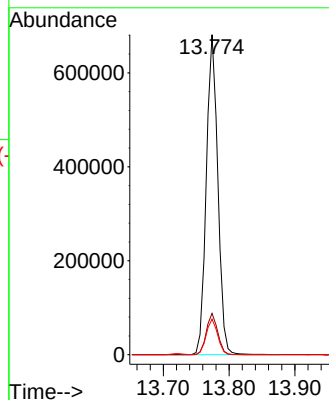
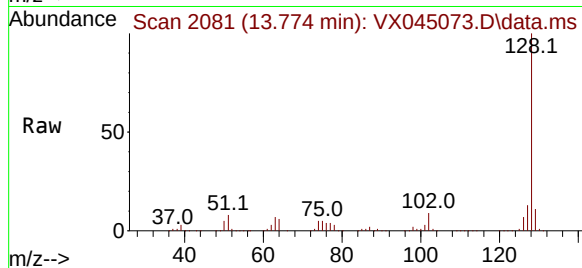
VSTDICC150

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

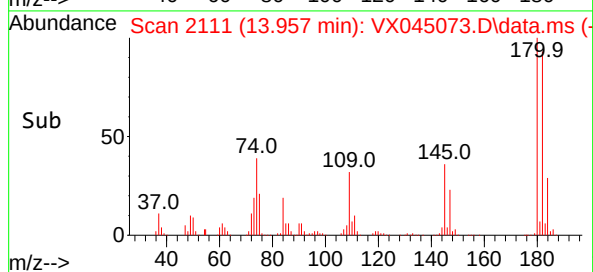
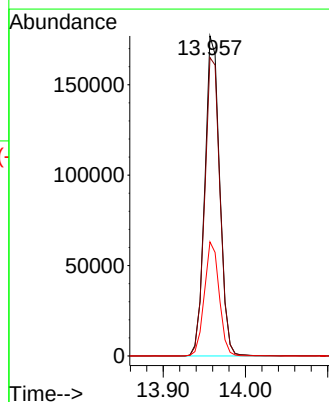
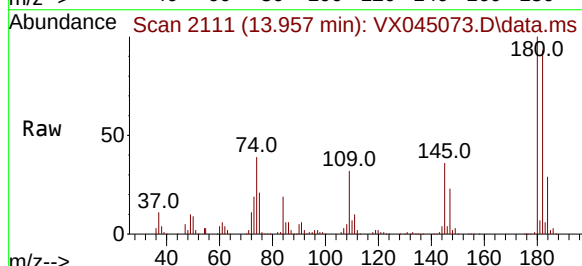
RT: 13.957 min Scan# 2111

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

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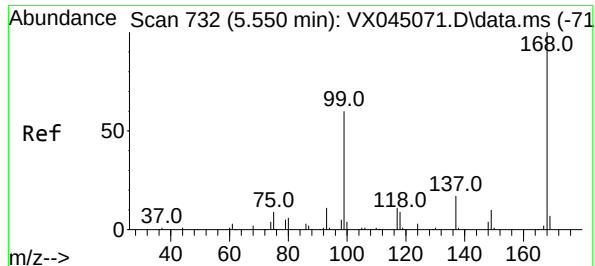
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

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





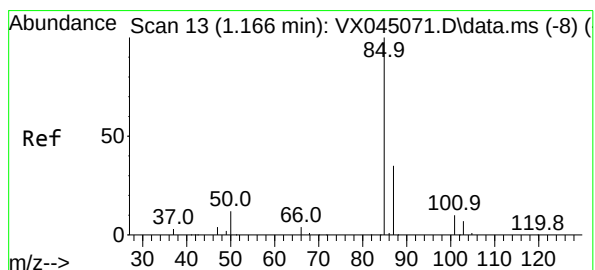
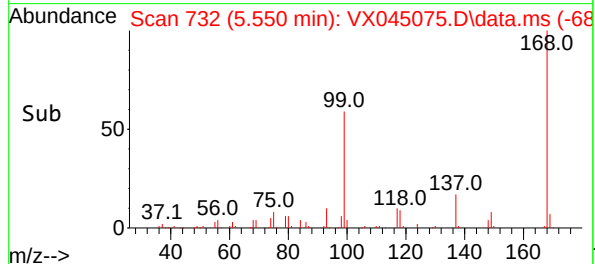
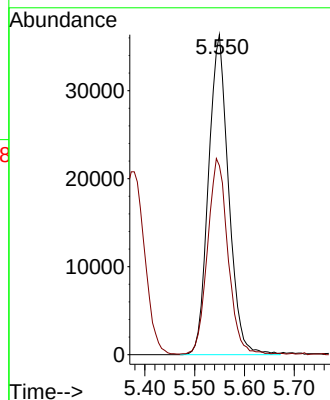
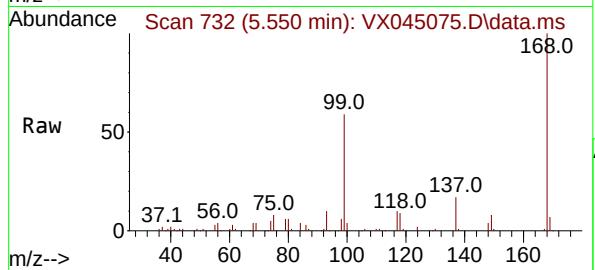
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:168 Resp: 10160
Ion Ratio Lower Upper
168 100
99 58.9 48.2 72.4

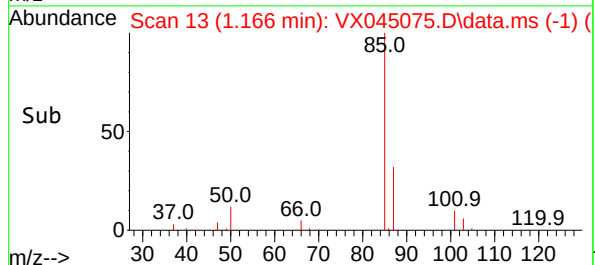
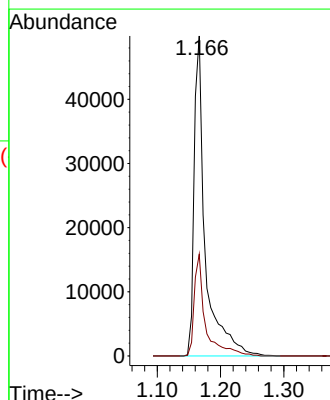
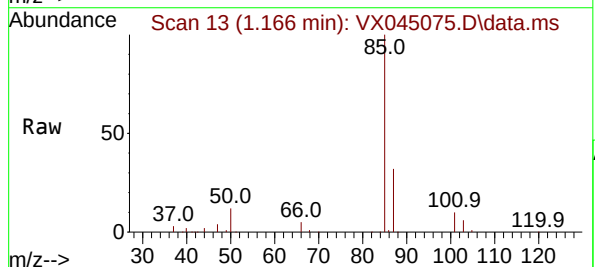
Manual Integrations
APPROVED

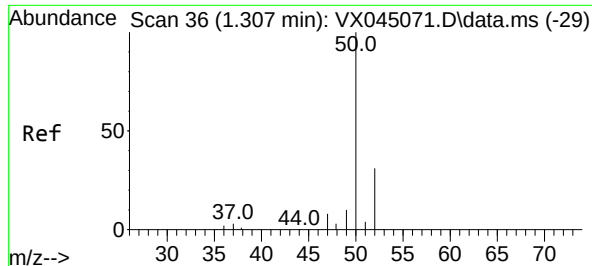
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





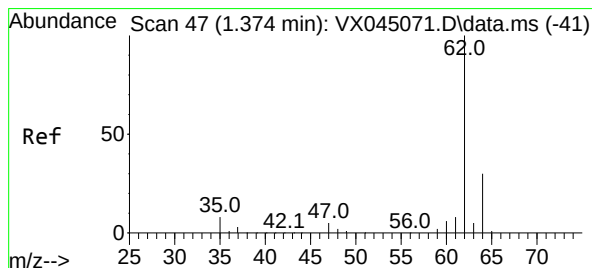
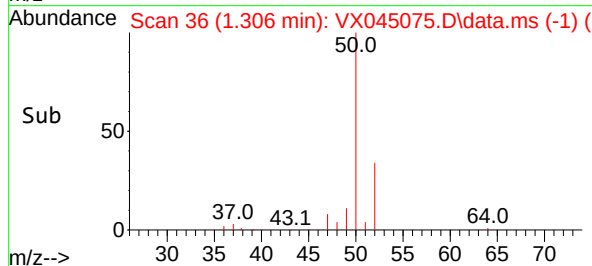
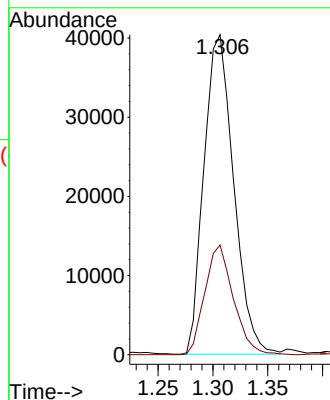
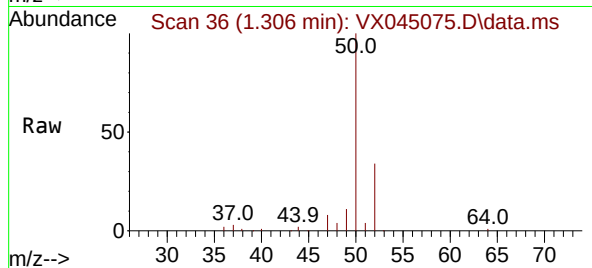
#3
Chloromethane
Concen: 48.696 ug/l
RT: 1.306 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVX022825

Tgt Ion: 50 Resp: 76210
Ion Ratio Lower Upper
50 100
52 34.3 25.0 37.4

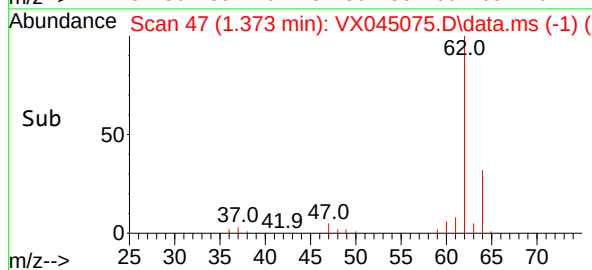
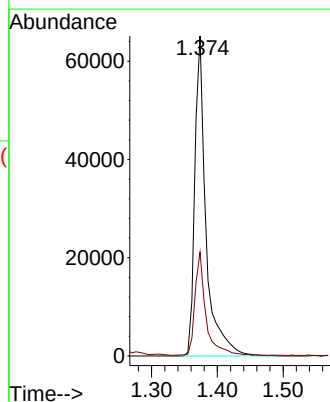
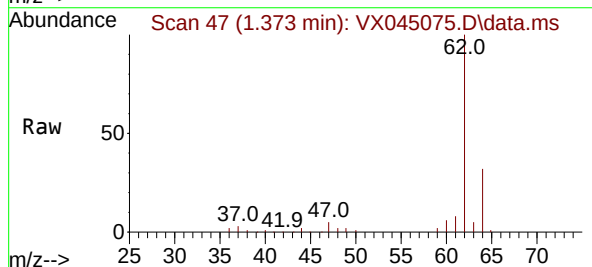
Manual Integrations
APPROVED

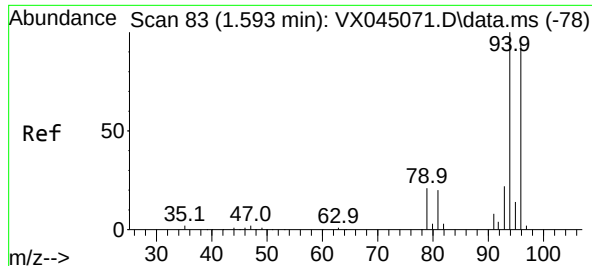
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





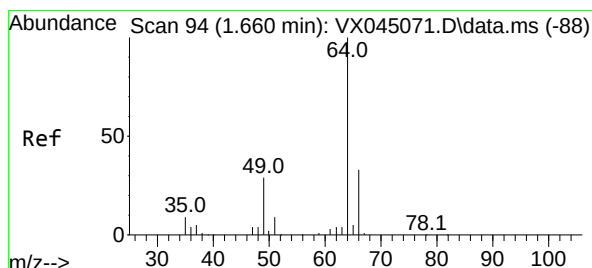
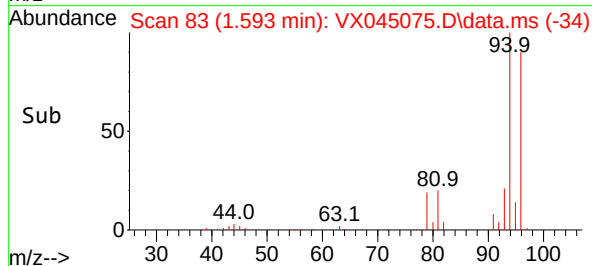
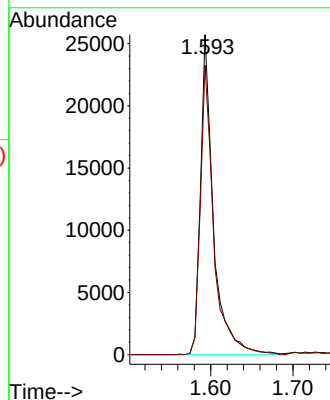
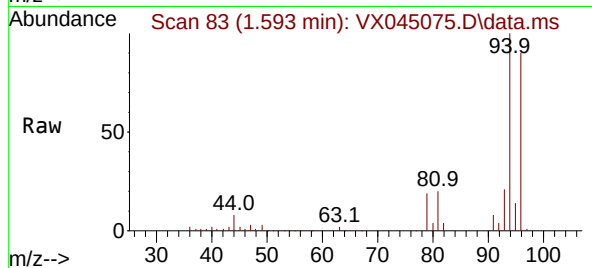
#5
Bromomethane
Concen: 46.190 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
Client Sample Id :
ICVVX022825

Tgt Ion: 94 Resp: 2819
Ion Ratio Lower Upper
94 100
96 90.5 75.0 112.4

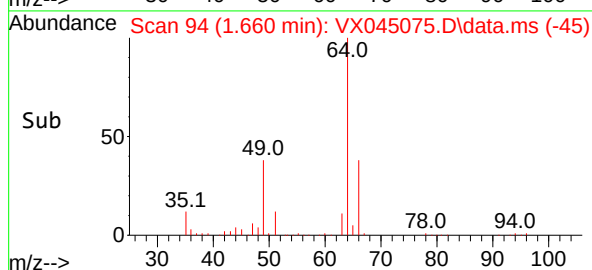
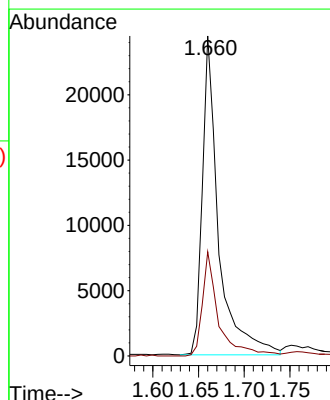
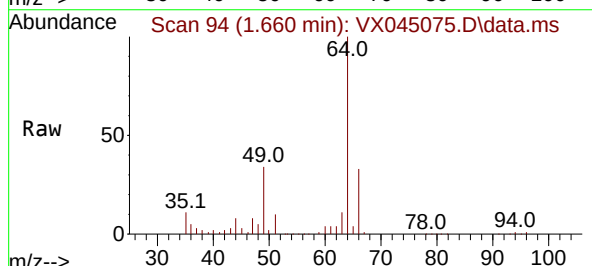
Manual Integrations
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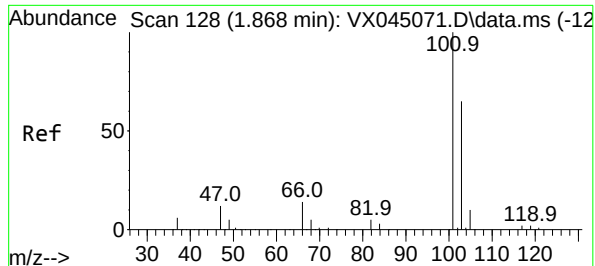
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





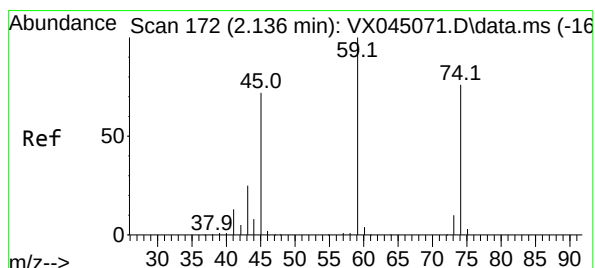
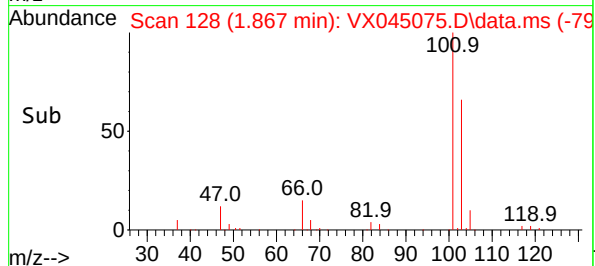
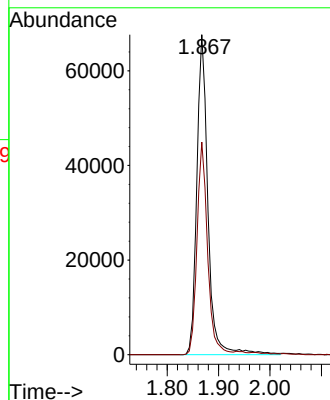
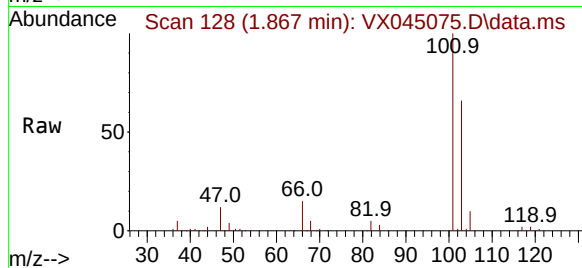
#7
Trichlorofluoromethane
Concen: 49.569 ug/l
RT: 1.867 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:101 Resp: 10188
Ion Ratio Lower Upper
101 100
103 66.4 52.1 78.1

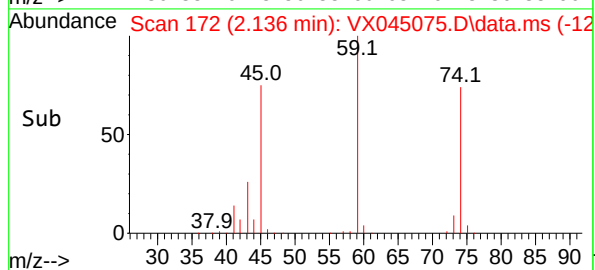
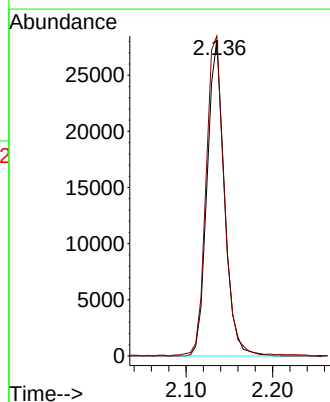
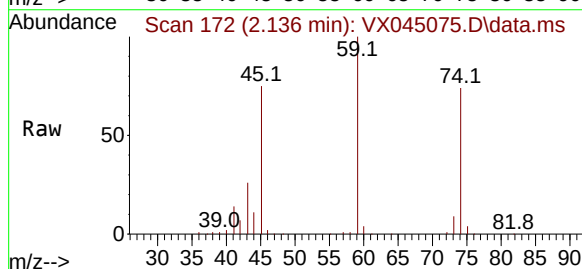
Manual Integrations
APPROVED

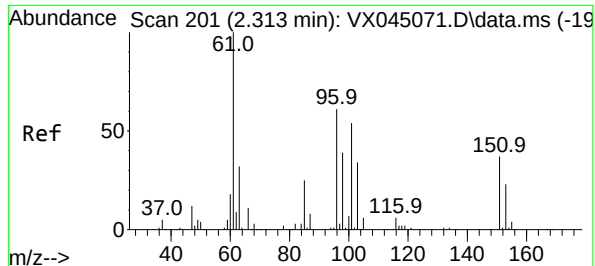
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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 :

ICVVX022825

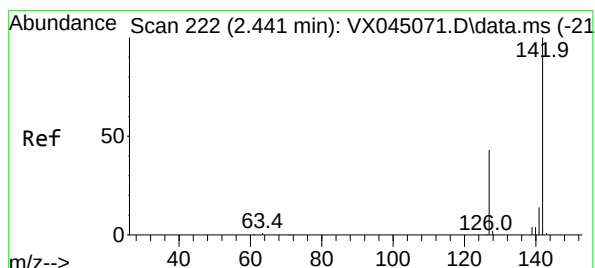
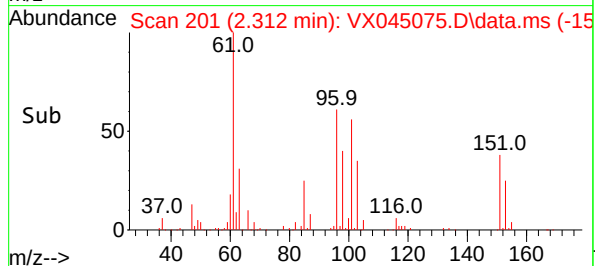
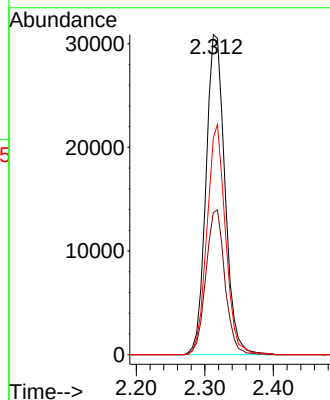
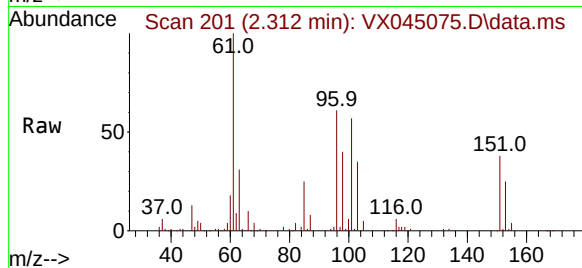
Tgt Ion:	101	Resp:	5947
Ion Ratio	Lower	Upper	
101	100		
85	45.4	36.2	54.4
151	70.2	56.4	84.6

Manual Integrations

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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#10

Methyl Iodide

Concen: 50.541 ug/l

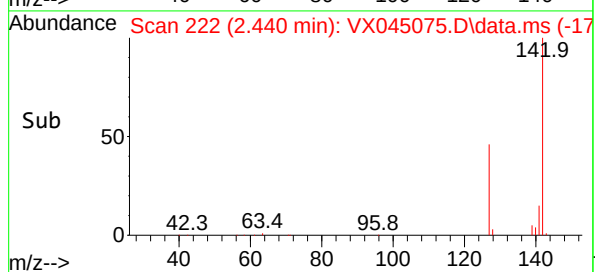
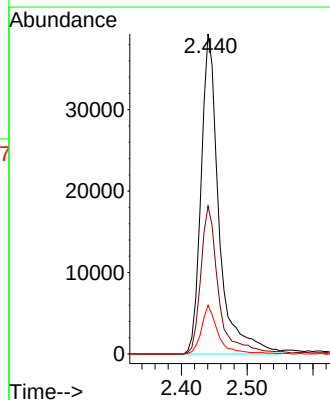
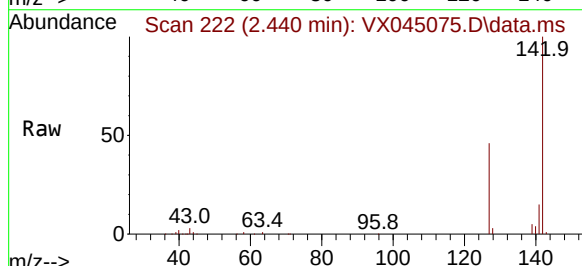
RT: 2.440 min Scan# 222

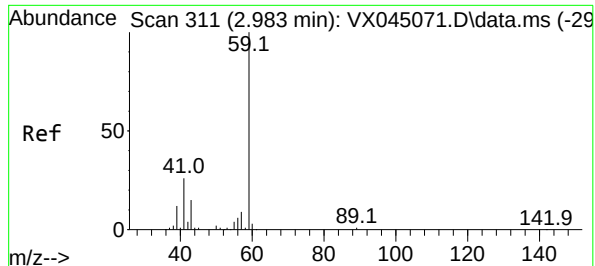
Delta R.T. -0.000 min

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 :

ICVVX022825

Tgt Ion: 59 Resp: 73034

Ion Ratio Lower Upper

59 100

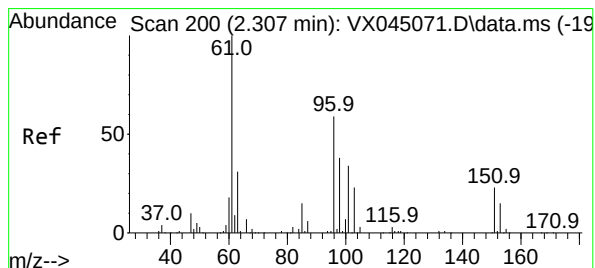
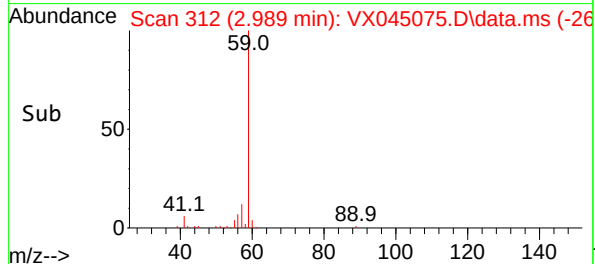
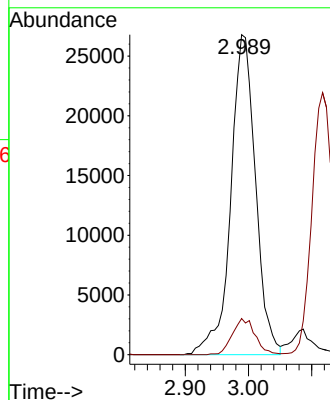
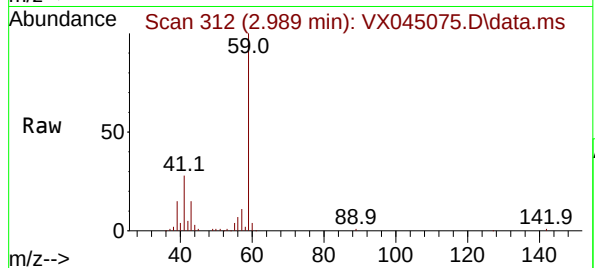
57 10.4 7.8 11.8

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

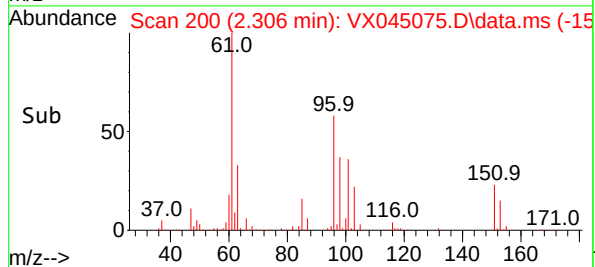
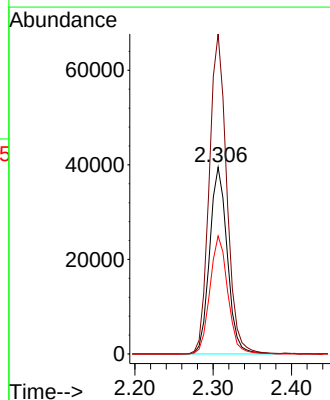
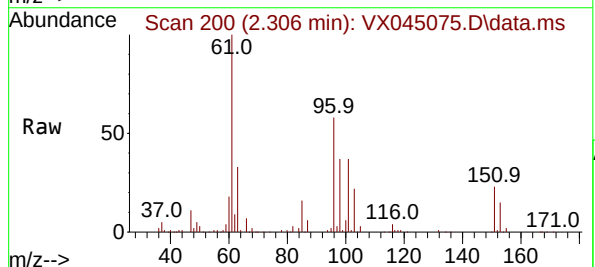
Tgt Ion: 96 Resp: 61885

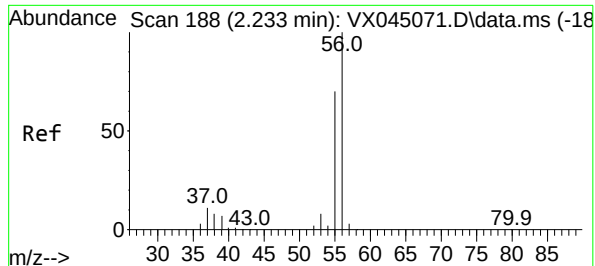
Ion Ratio Lower Upper

96 100

61 171.3 134.6 202.0

98 63.2 51.0 76.6





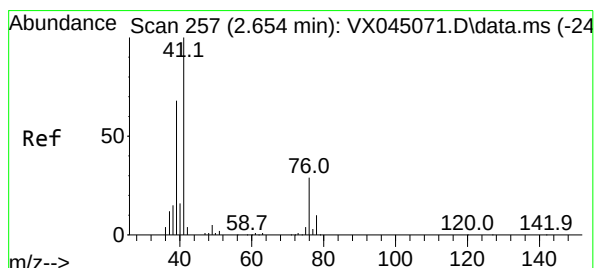
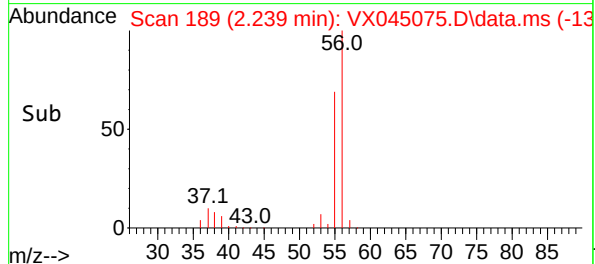
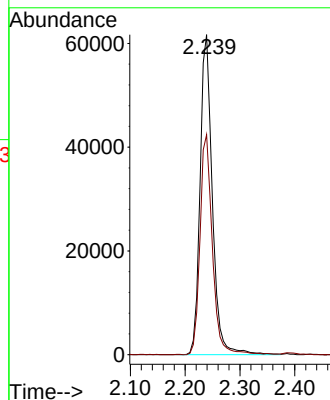
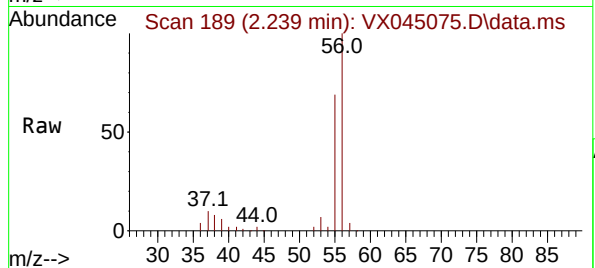
#13
Acrolein
Concen: 271.255 ug/l
RT: 2.239 min Scan# 188
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 56 Resp: 95989
Ion Ratio Lower Upper
56 100
55 69.5 56.2 84.4

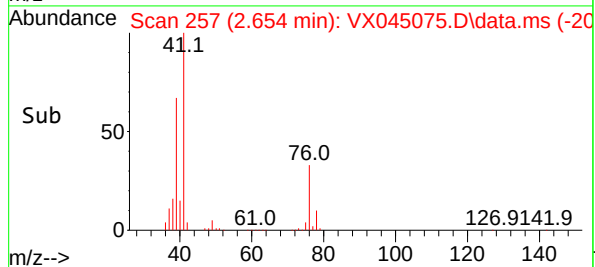
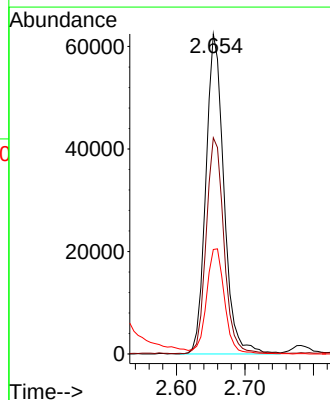
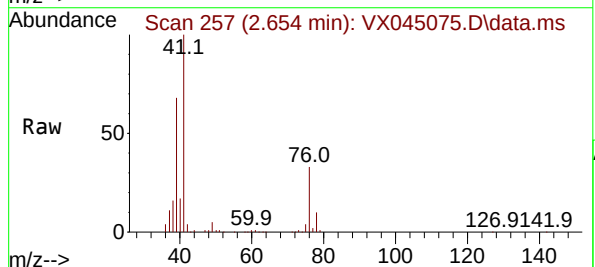
Manual Integrations
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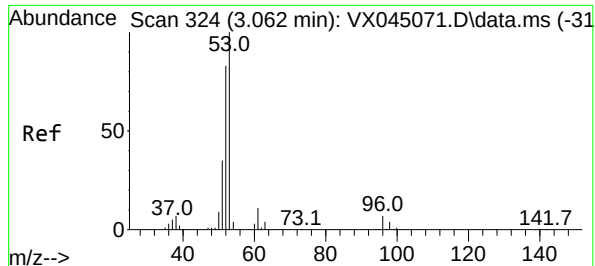
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#14
Allyl chloride
Concen: 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 :

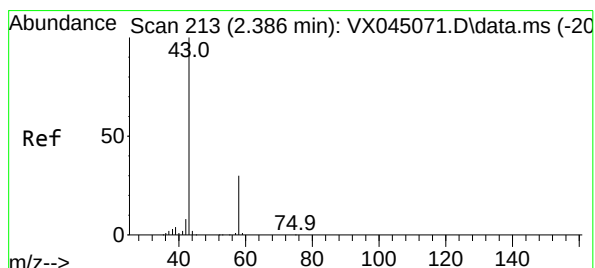
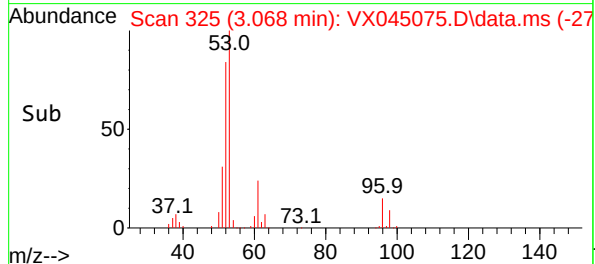
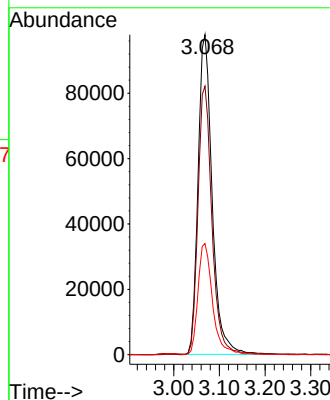
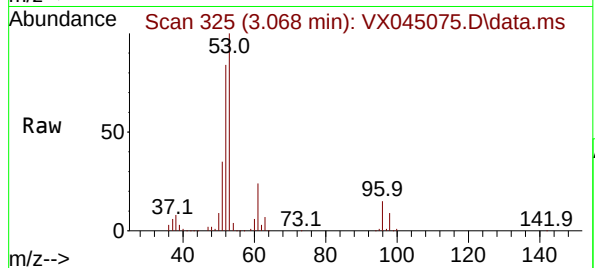
ICVX022825

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
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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#16

Acetone

Concen: 242.877 ug/l

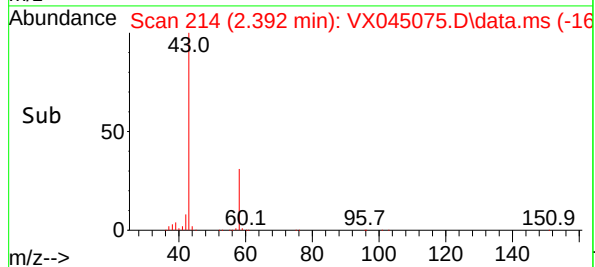
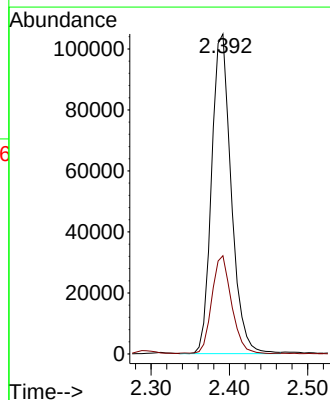
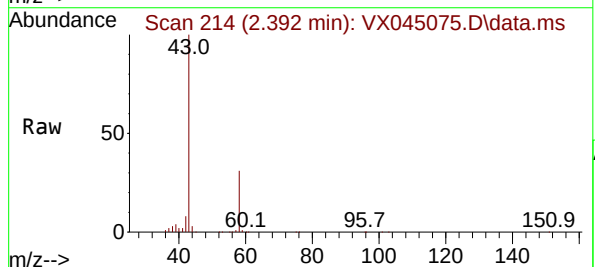
RT: 2.392 min Scan# 214

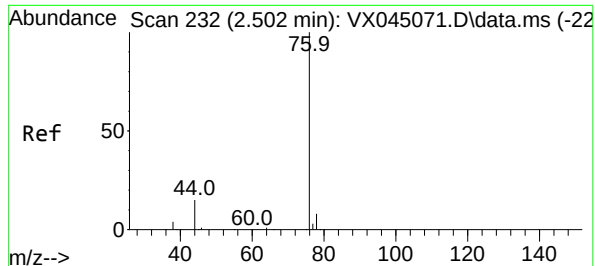
Delta R.T. 0.006 min

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

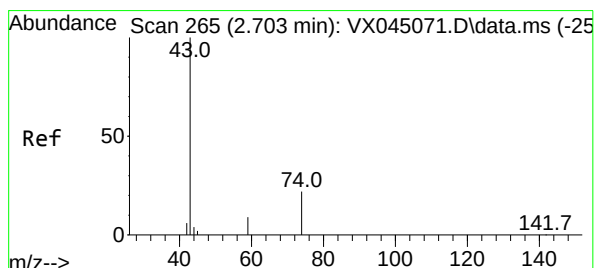
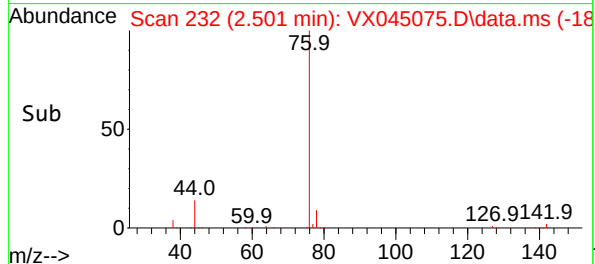
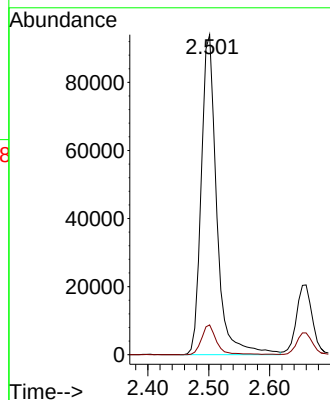
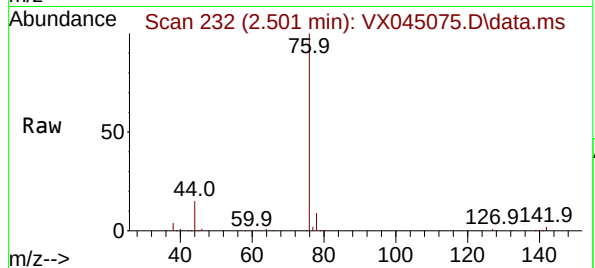
78 9.3 6.6 9.8

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

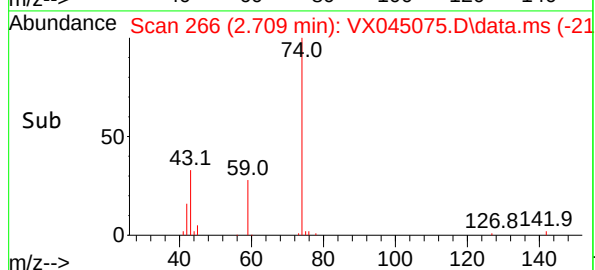
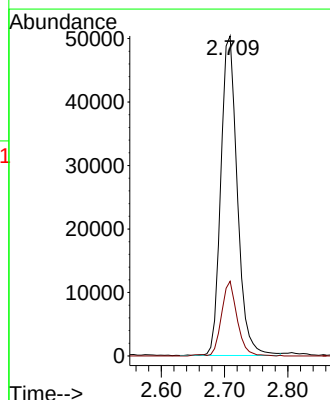
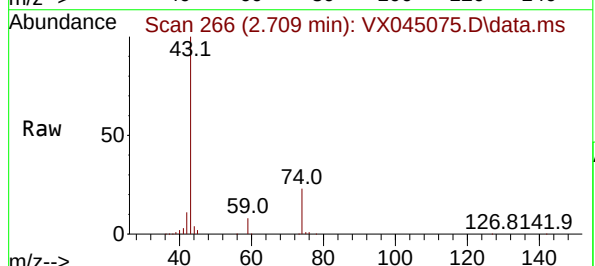
Acq: 28 Feb 2025 04:33

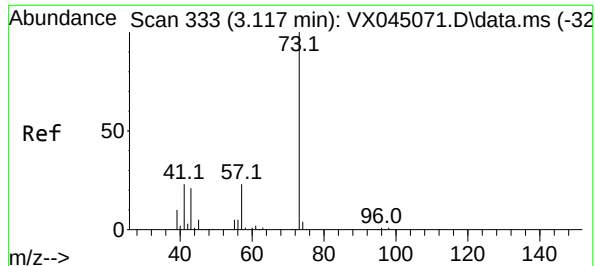
Tgt Ion: 43 Resp: 90756

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# 31

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

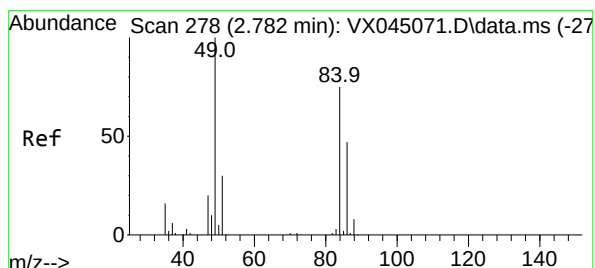
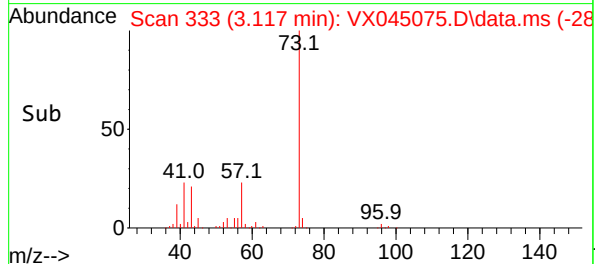
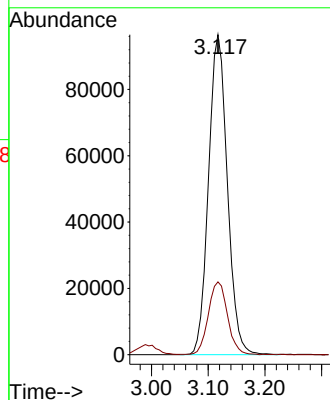
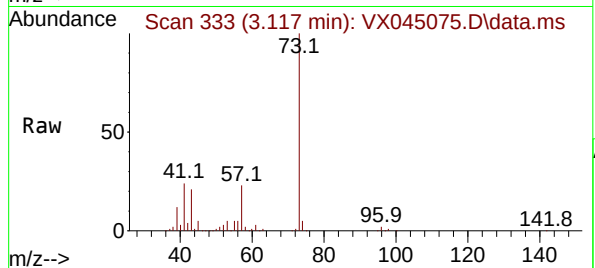
57 22.7 18.5 27.7

Manual Integrations

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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

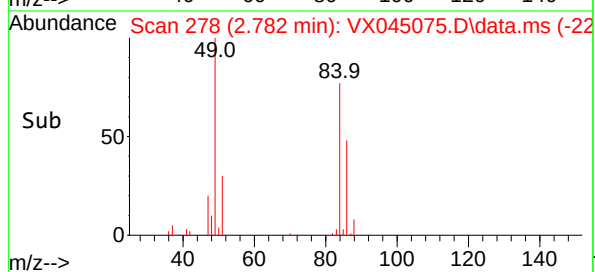
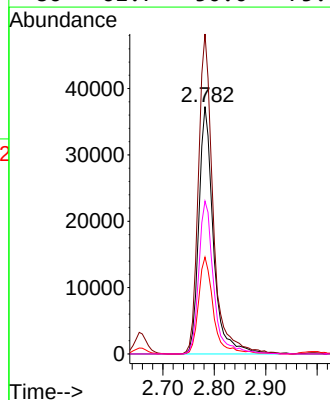
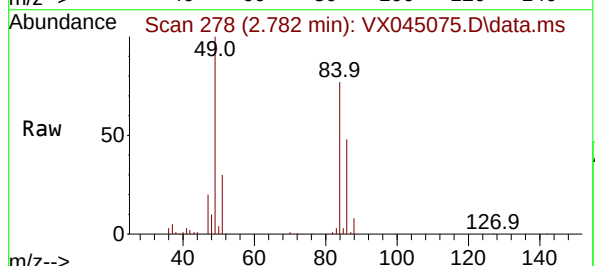
Ion Ratio Lower Upper

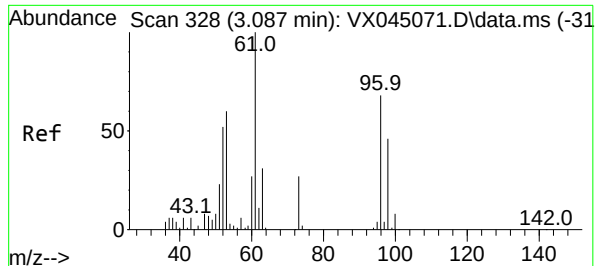
84 100

49 129.3 106.5 159.7

51 39.1 32.1 48.1

86 61.7 50.0 75.0





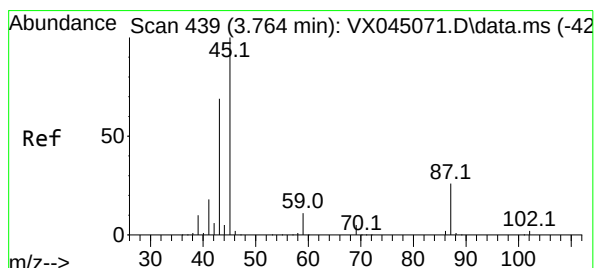
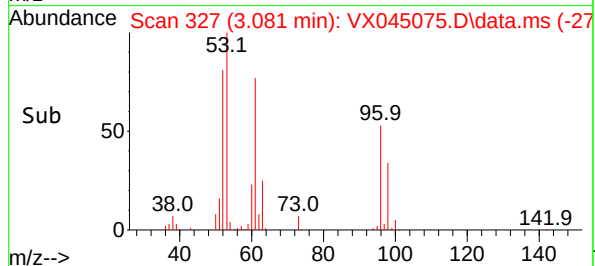
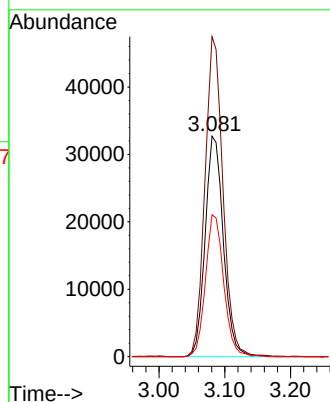
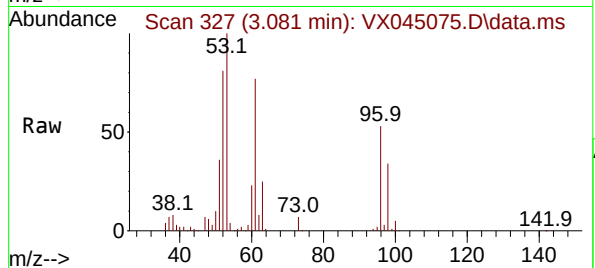
#21
trans-1,2-Dichloroethene
Concen: 51.172 ug/l
RT: 3.081 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

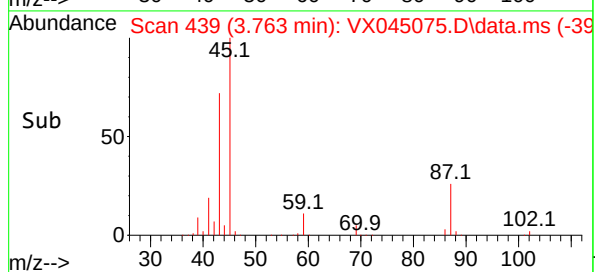
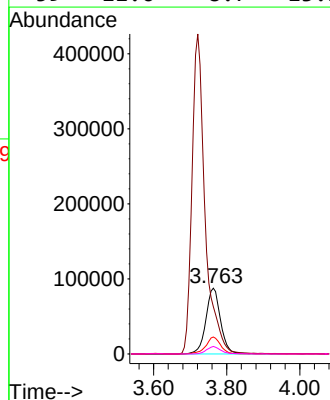
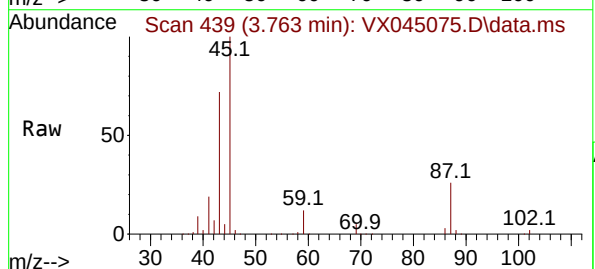
Manual Integrations
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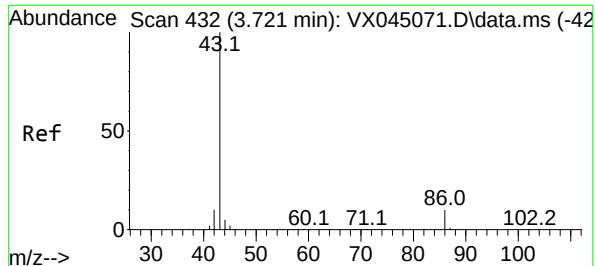
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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





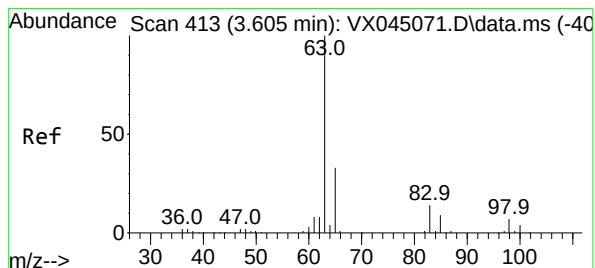
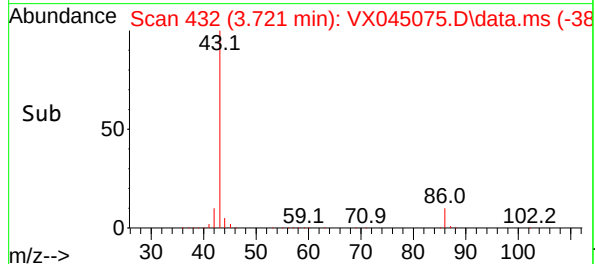
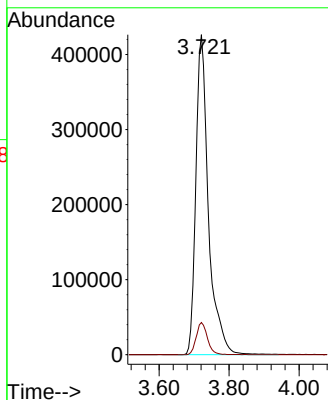
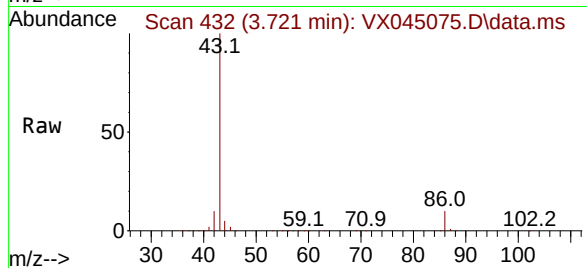
#23
Vinyl Acetate
Concen: 282.313 ug/l
RT: 3.721 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 106481
Ion Ratio Lower Upper
43 100
86 10.0 8.1 12.1

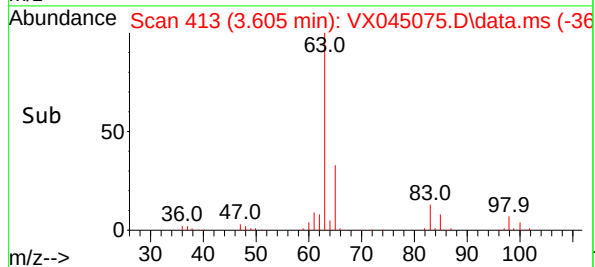
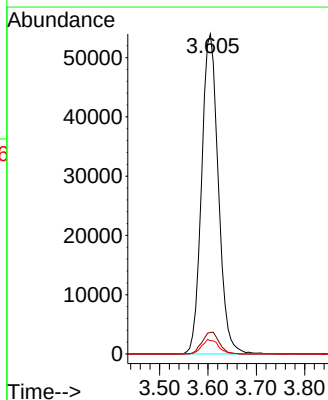
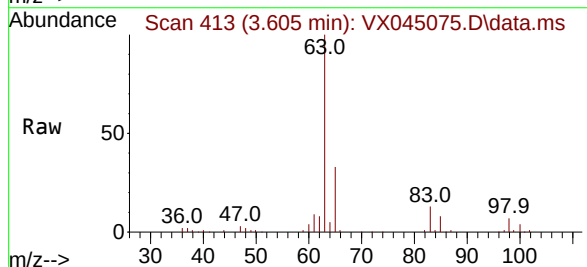
Manual Integrations
APPROVED

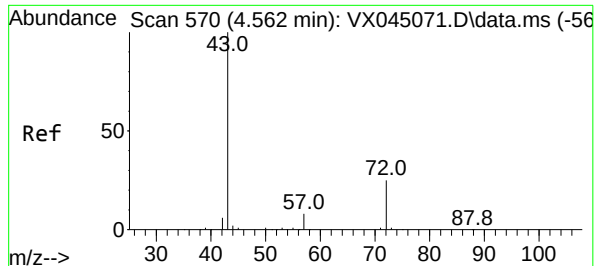
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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 :

ICVX022825

Tgt Ion: 43 Resp: 29802

Ion Ratio Lower Upper

43 100

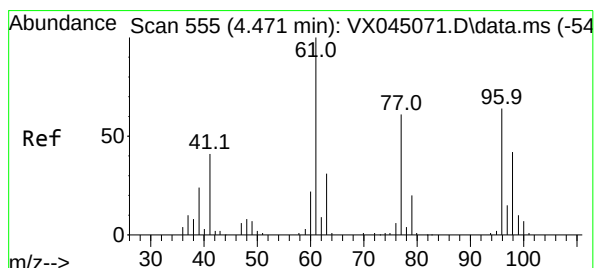
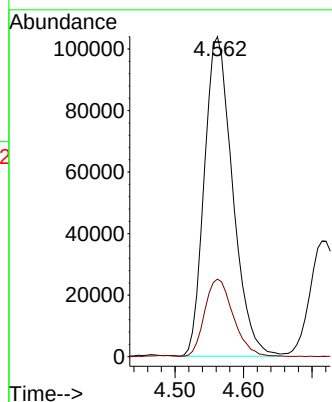
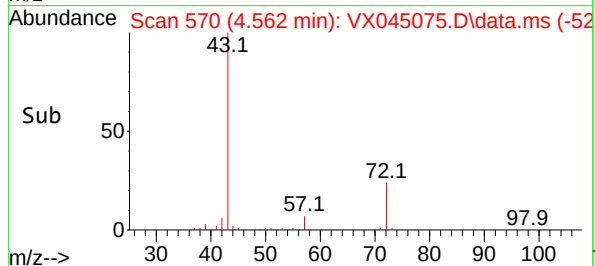
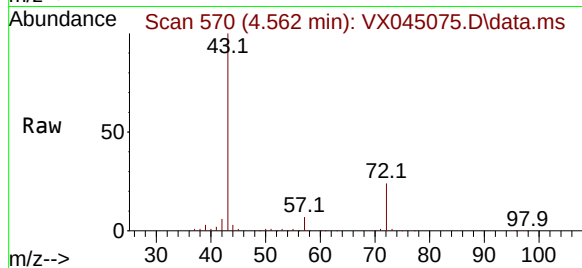
72 24.1 20.0 30.0

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

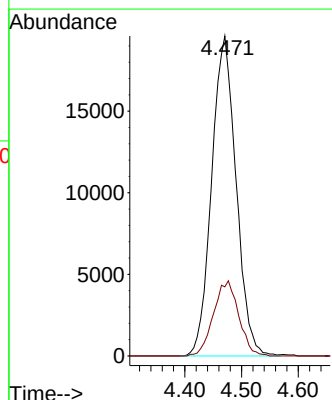
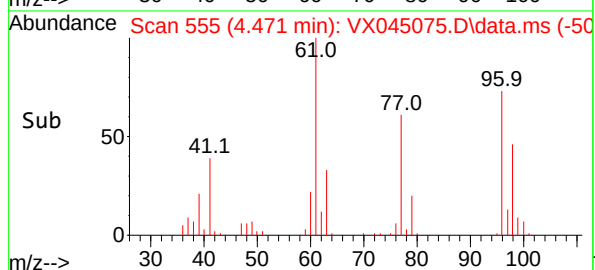
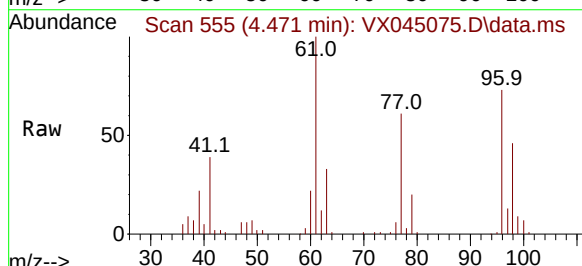
Acq: 28 Feb 2025 04:33

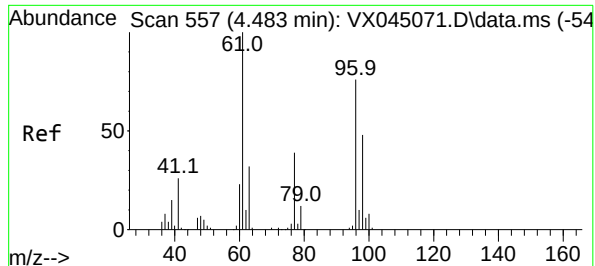
Tgt Ion: 77 Resp: 58694

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 :

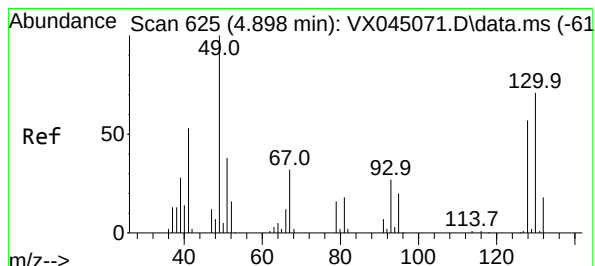
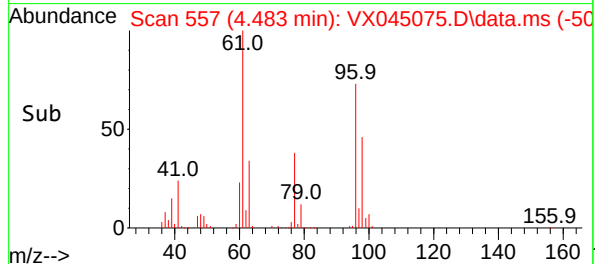
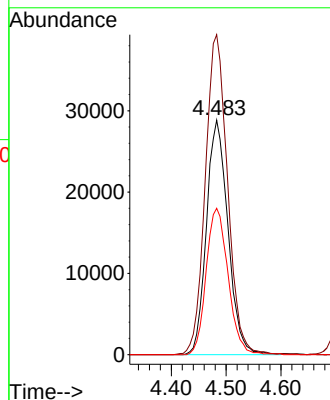
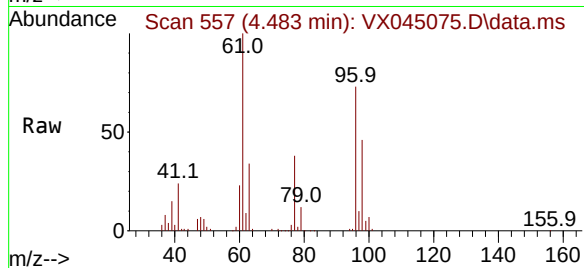
ICVVX022825

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

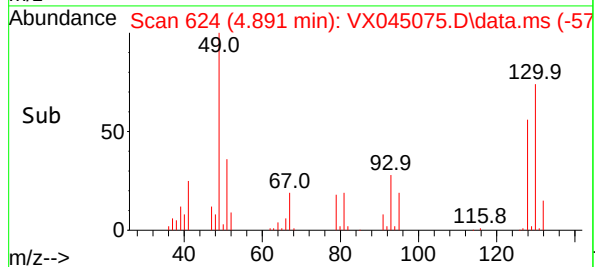
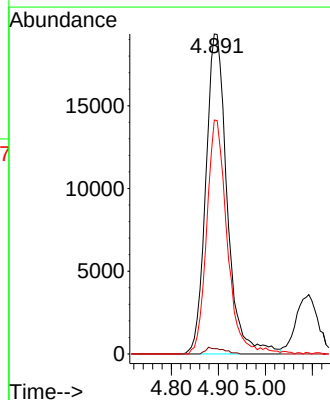
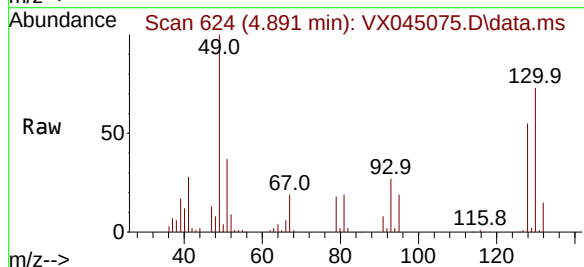
RT: 4.891 min Scan# 624

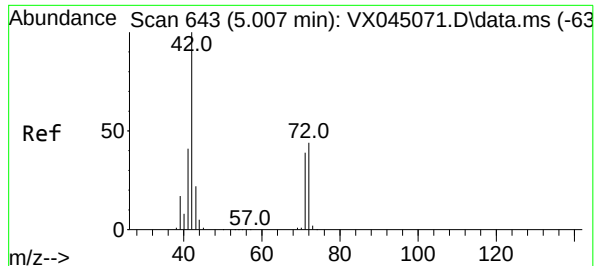
Delta R.T. -0.006 min

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

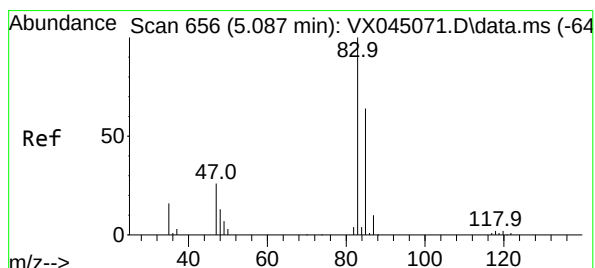
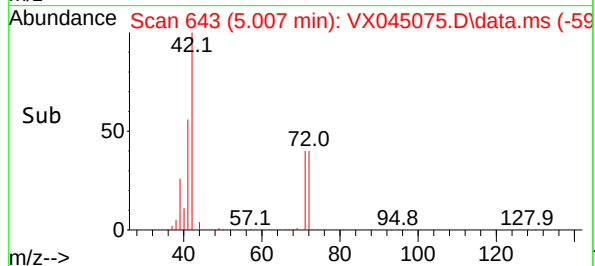
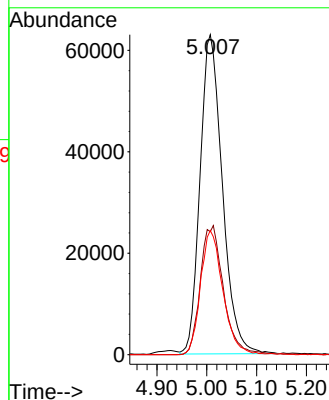
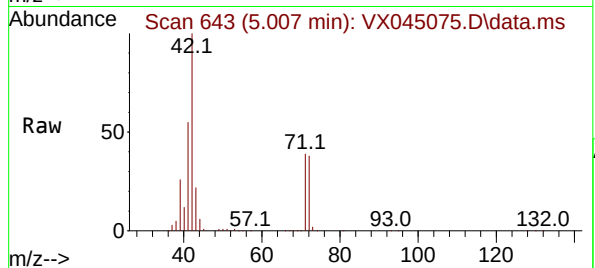
71 38.9 31.4 47.0

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

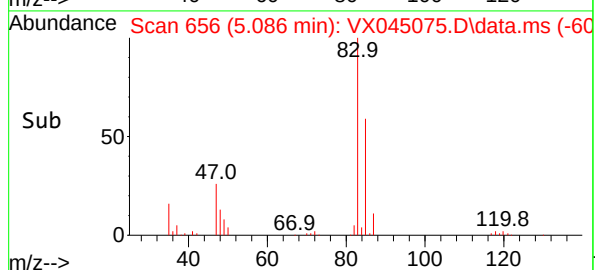
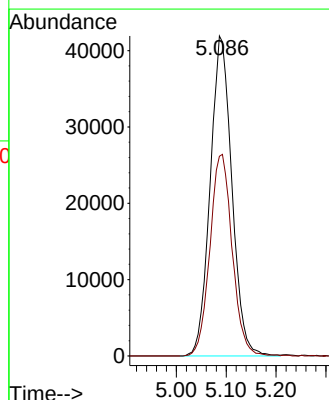
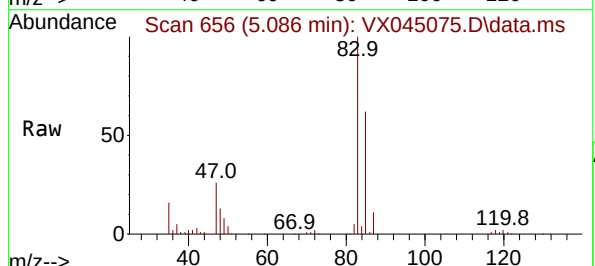
Acq: 28 Feb 2025 04:33

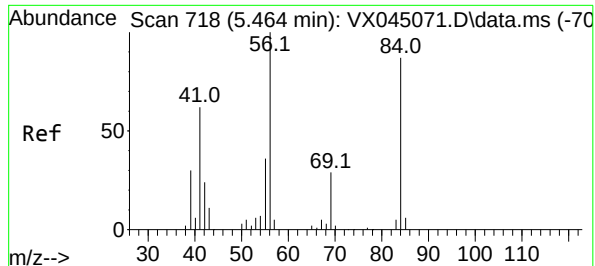
Tgt Ion: 83 Resp: 126437

Ion Ratio Lower Upper

83 100

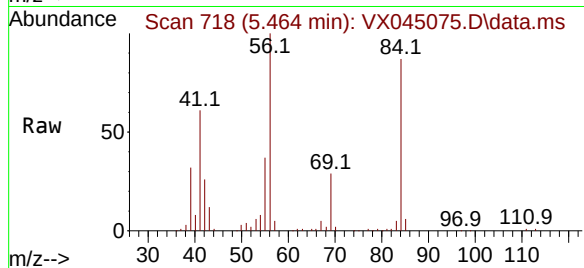
85 62.4 51.4 77.2





#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

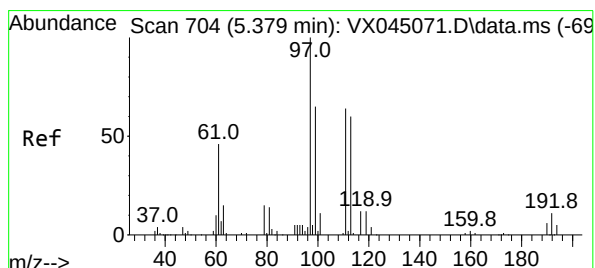
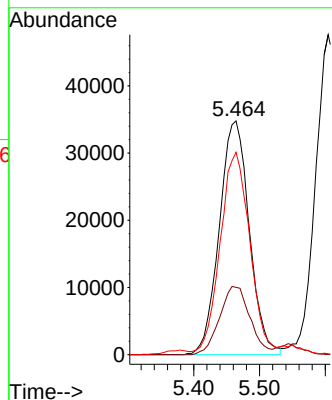
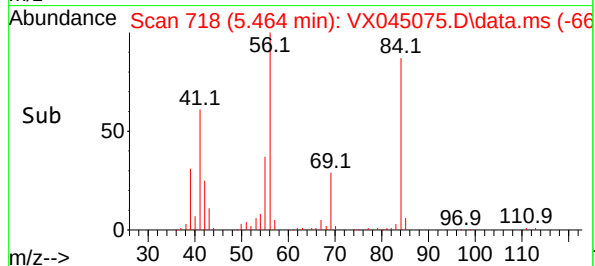
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825



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

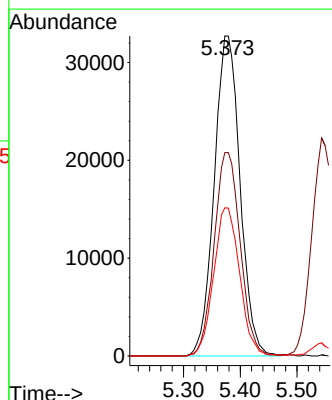
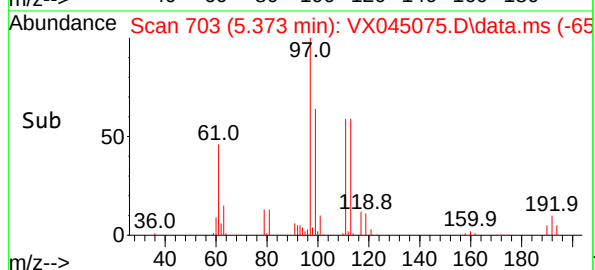
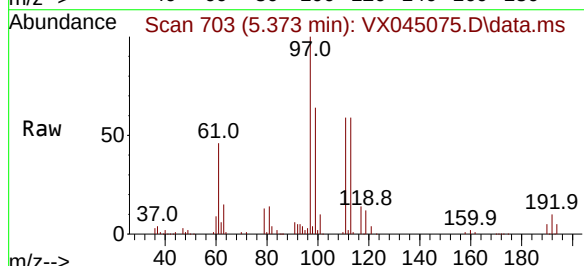
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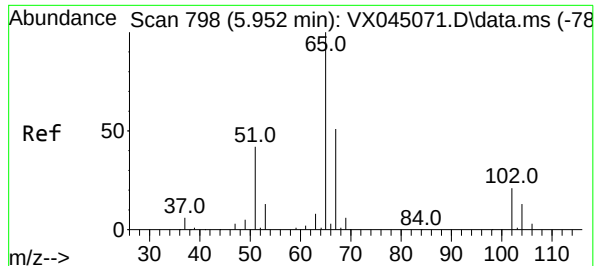
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

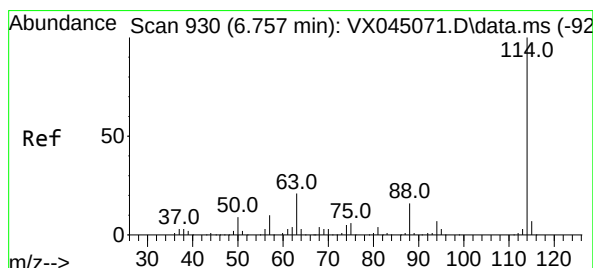
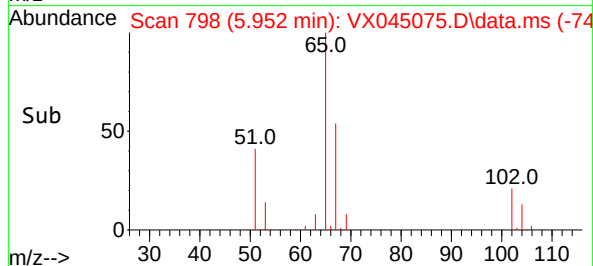
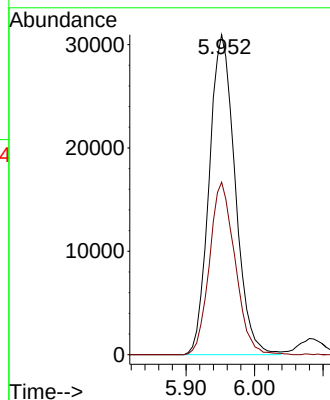
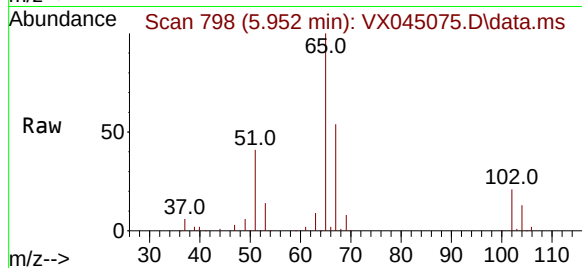
67 53.1 0.0 106.2

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

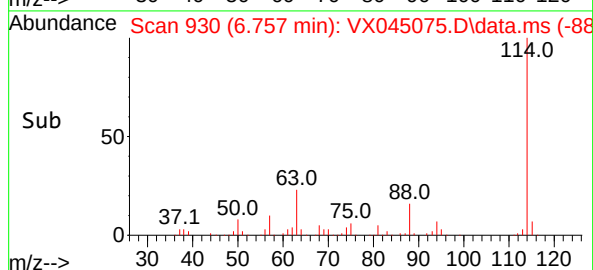
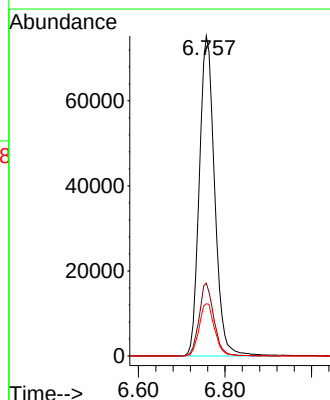
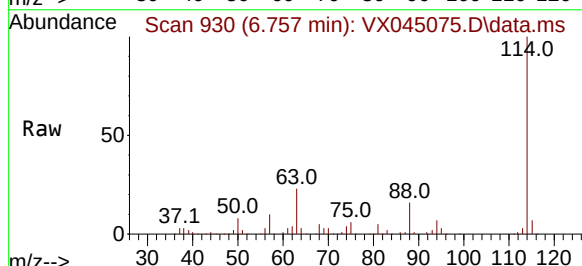
Tgt Ion:114 Resp: 184964

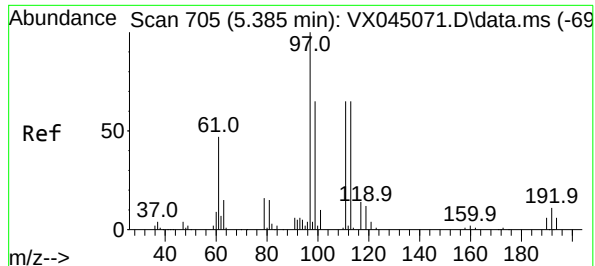
Ion Ratio Lower Upper

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

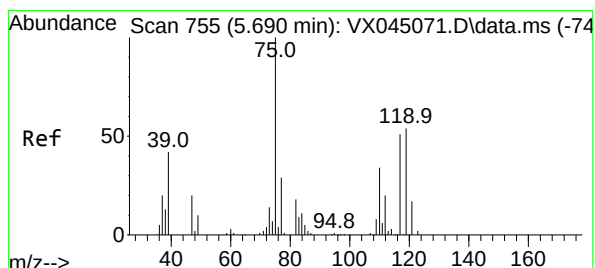
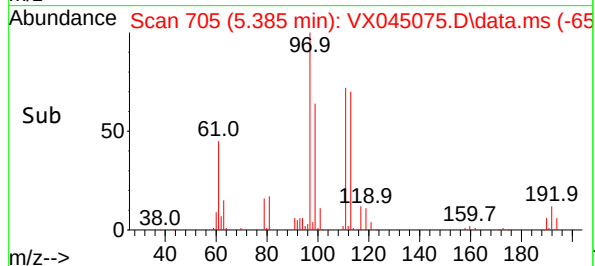
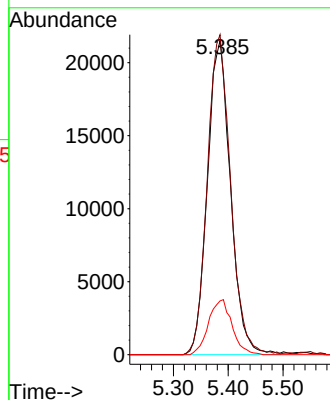
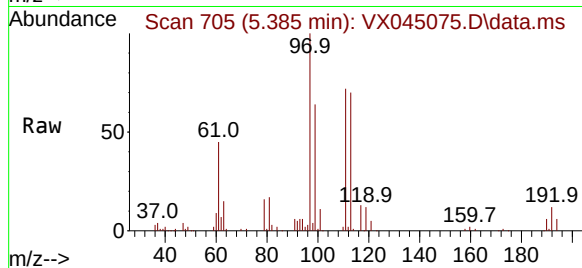
192 17.8 14.3 21.5

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

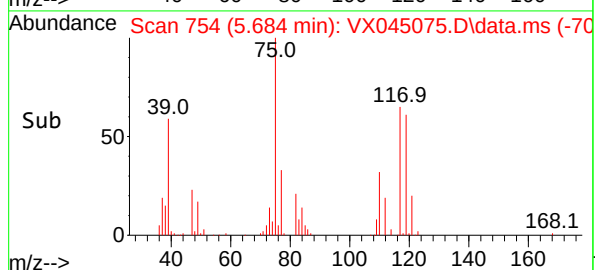
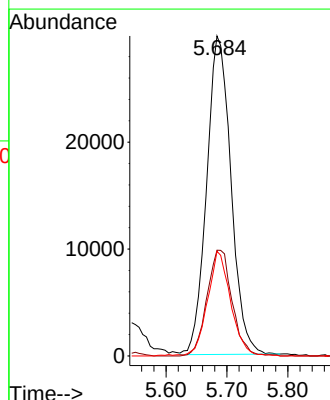
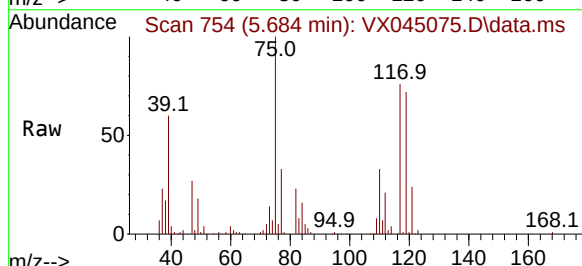
Tgt Ion: 75 Resp: 82722

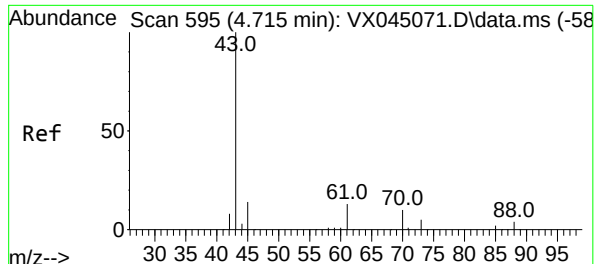
Ion Ratio Lower Upper

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

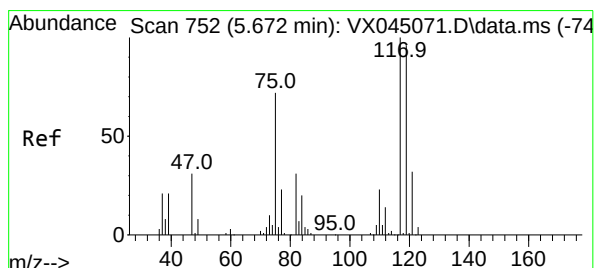
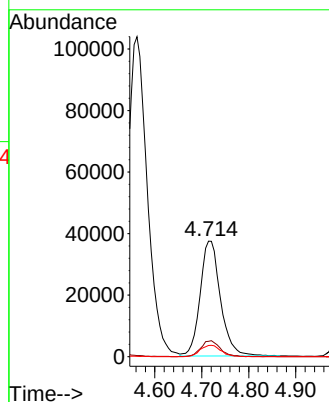
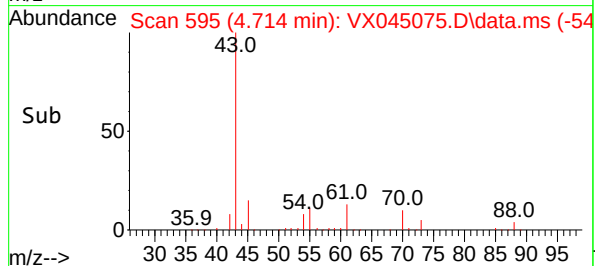
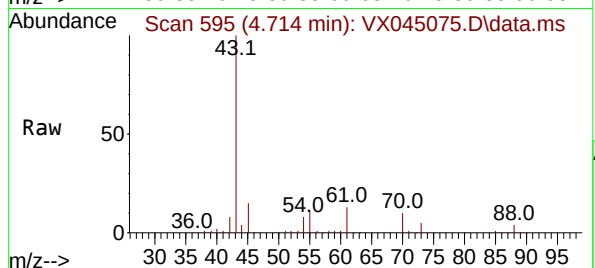
70 10.1 7.7 11.5

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

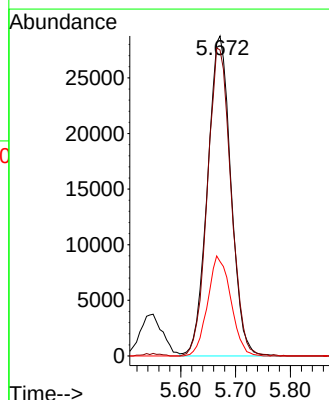
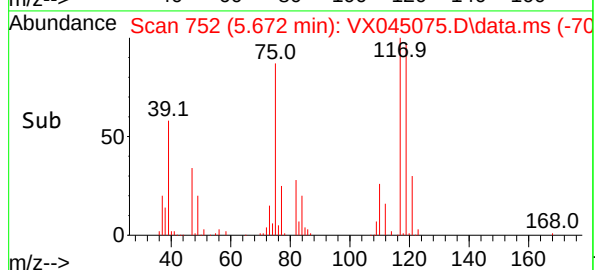
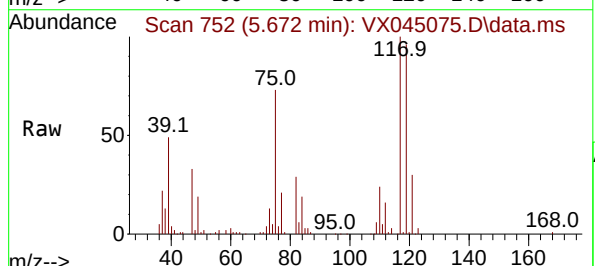
Tgt Ion:117 Resp: 85110

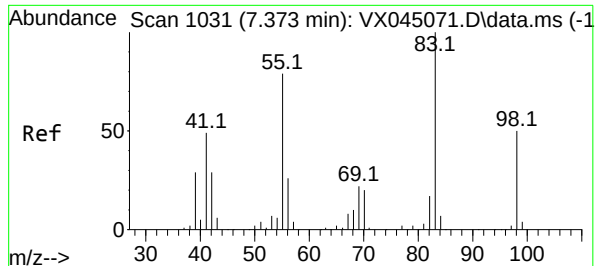
Ion Ratio Lower Upper

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 :

ICVVX022825

Tgt Ion: 83 Resp: 103990

Ion Ratio Lower Upper

83 100

55 80.7 63.0 94.4

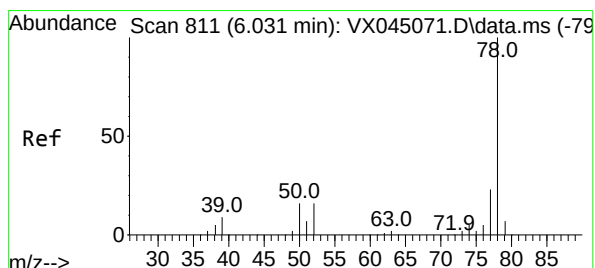
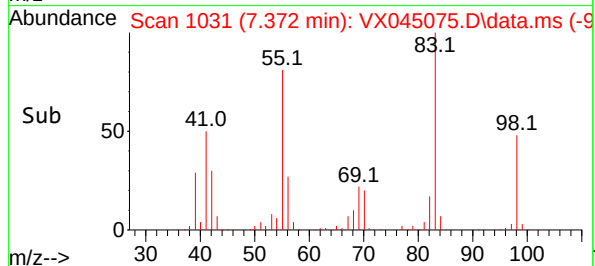
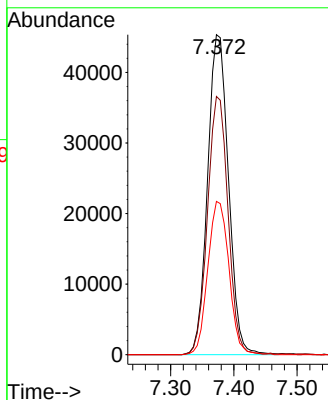
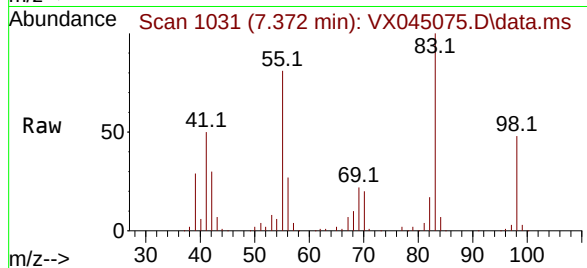
98 47.9 39.7 59.5

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

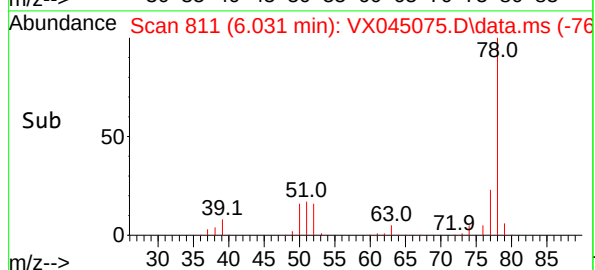
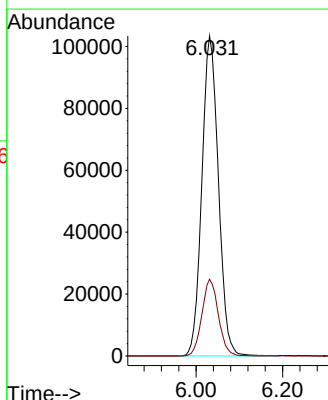
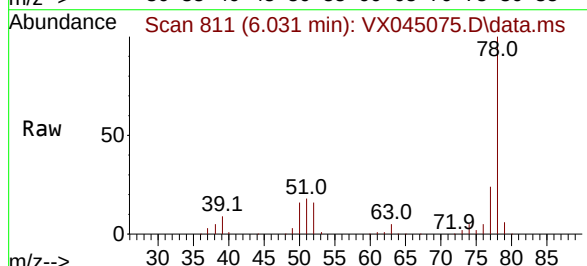
Acq: 28 Feb 2025 04:33

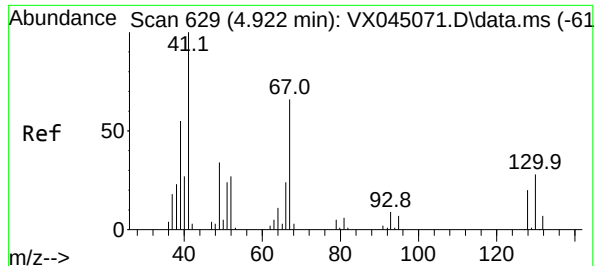
Tgt Ion: 78 Resp: 274206

Ion Ratio Lower Upper

78 100

77 24.0 18.8 28.2





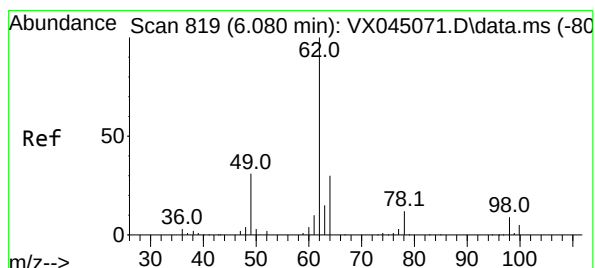
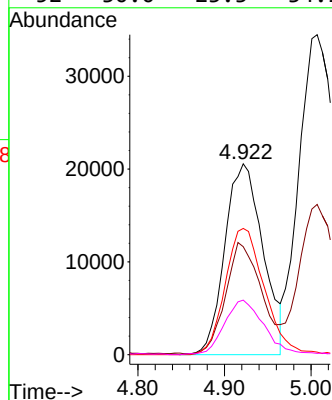
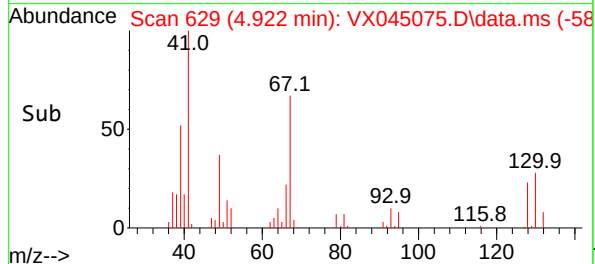
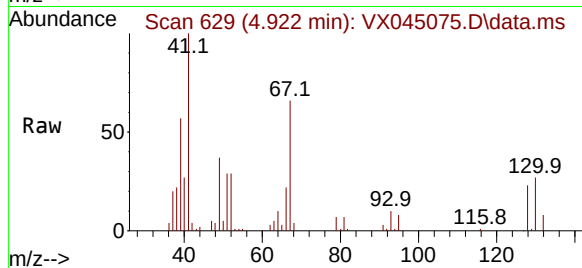
#41
Methacrylonitrile
Concen: 53.352 ug/l
RT: 4.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVX022825

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

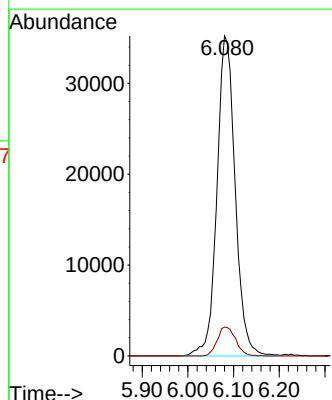
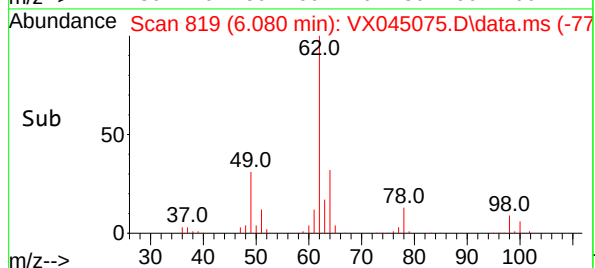
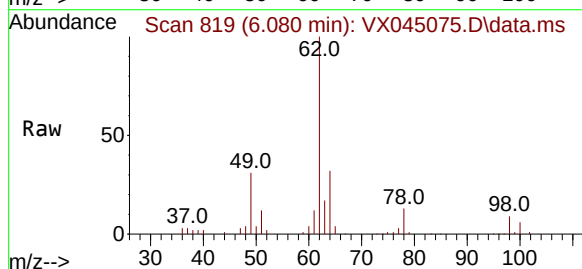
Manual Integrations
APPROVED

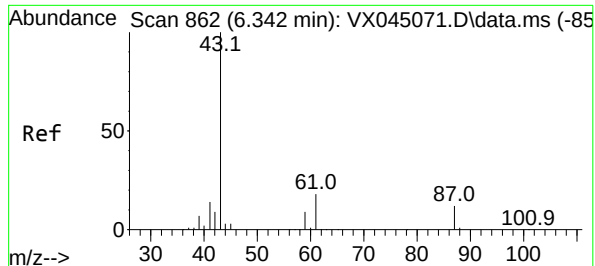
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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 18.5 14.9 22.3

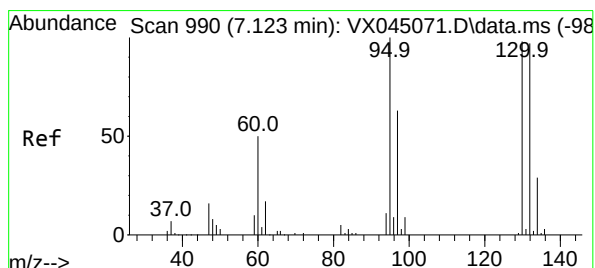
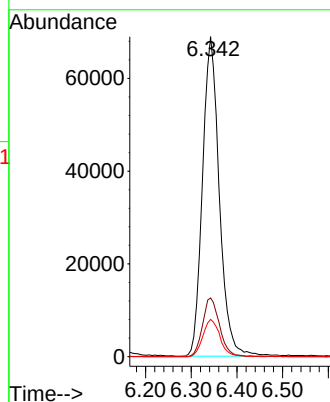
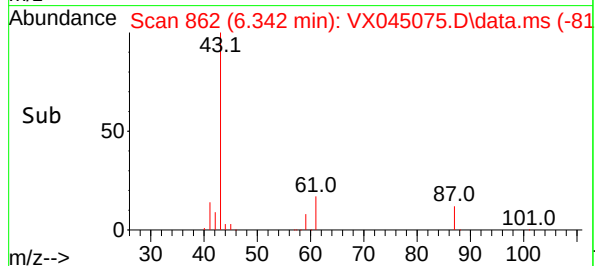
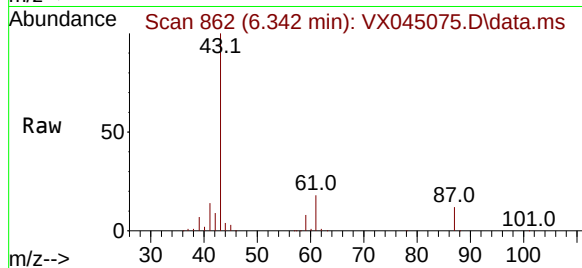
87 11.8 9.4 14.2

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

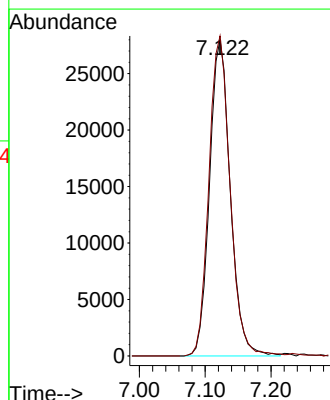
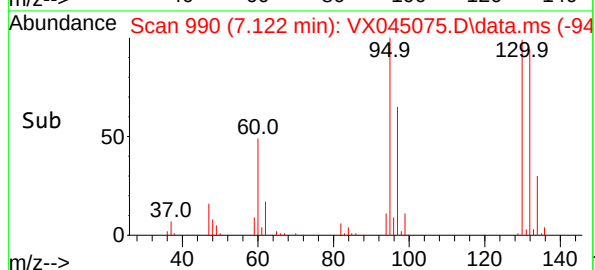
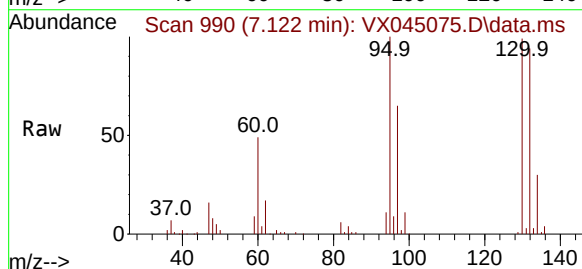
Acq: 28 Feb 2025 04:33

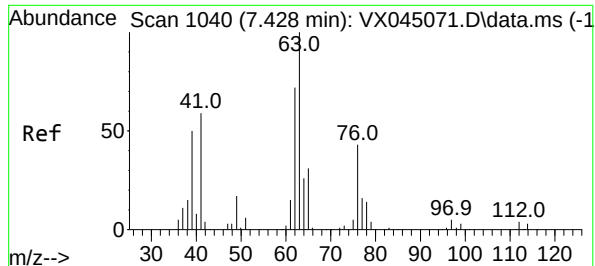
Tgt Ion:130 Resp: 61530

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 :

ICVVX022825

Tgt Ion: 63 Resp: 70350

Ion Ratio Lower Upper

63 100

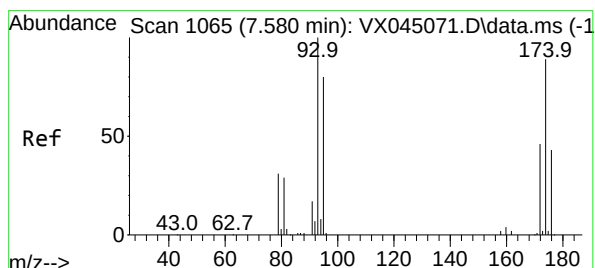
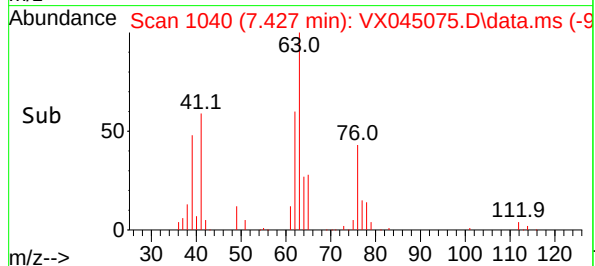
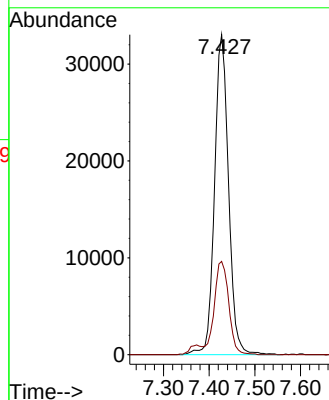
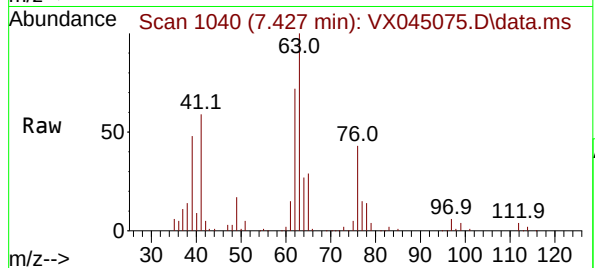
65 29.2 24.7 37.1

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

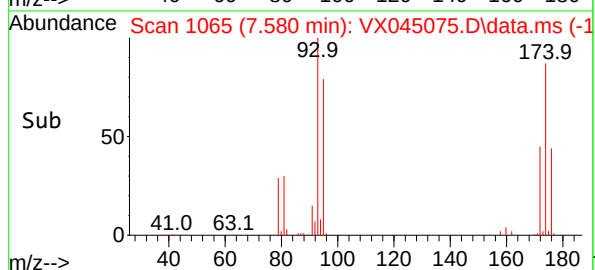
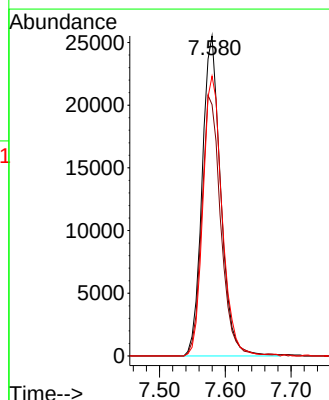
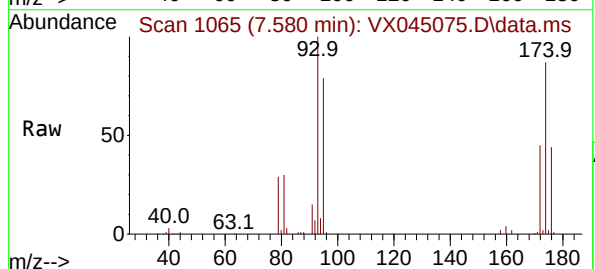
Tgt Ion: 93 Resp: 50284

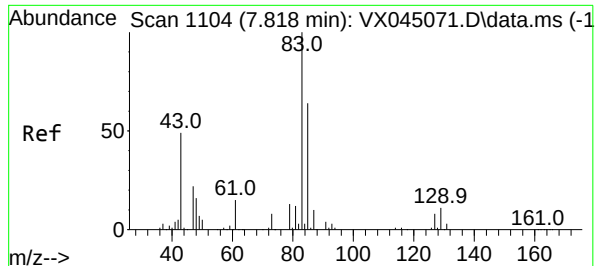
Ion Ratio Lower Upper

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

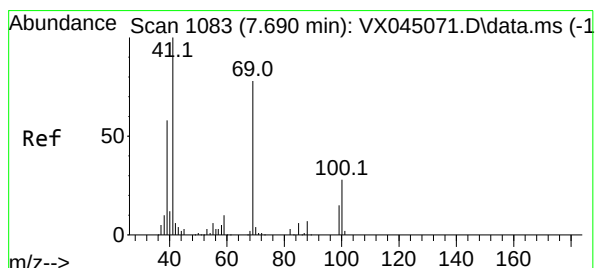
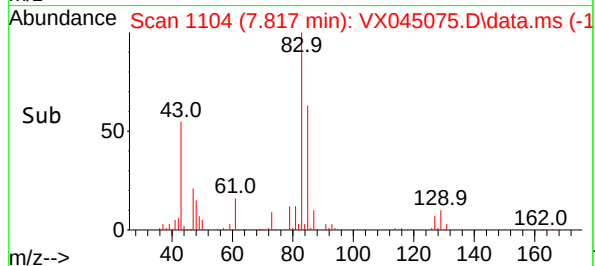
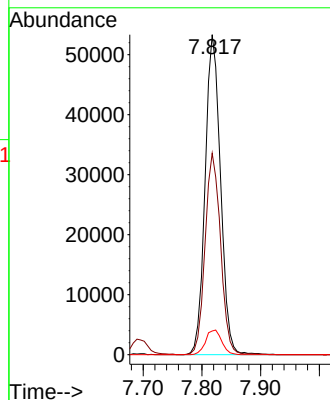
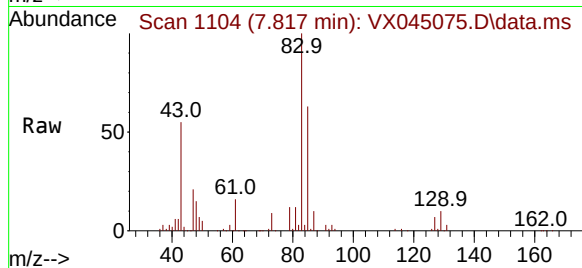
Tgt Ion:	83	Resp:	97230
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.1	76.7
127	7.4	6.4	9.6

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

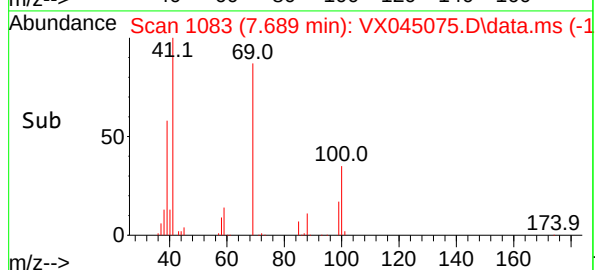
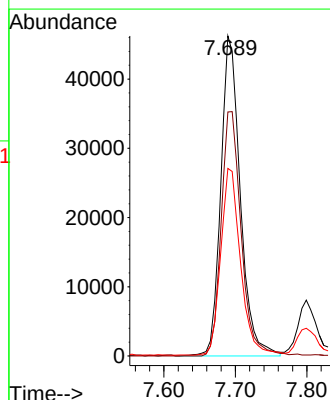
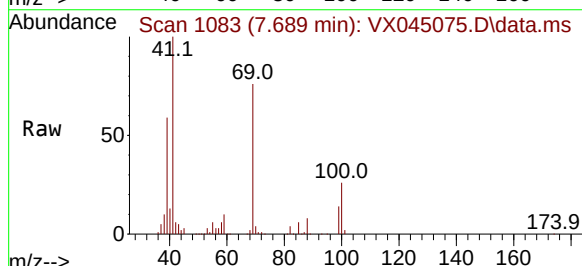
RT: 7.689 min Scan# 1083

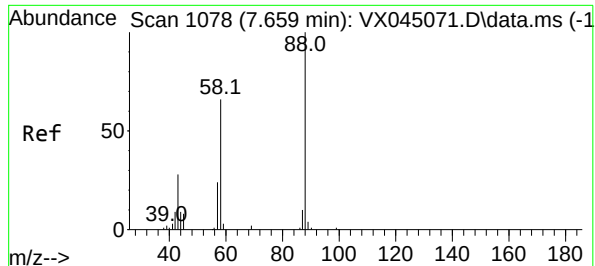
Delta R.T. -0.000 min

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

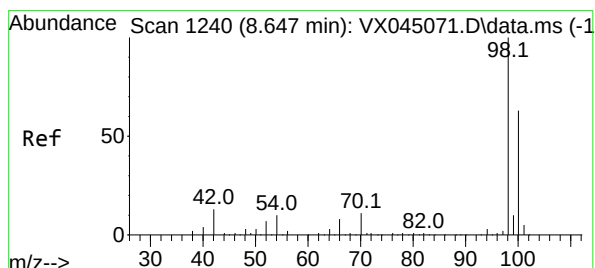
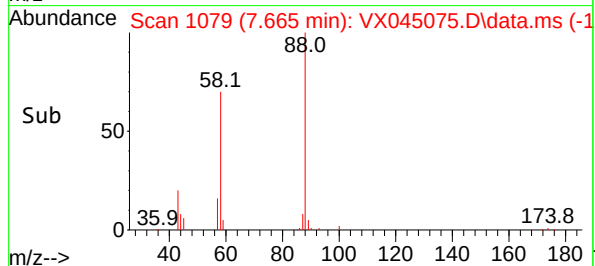
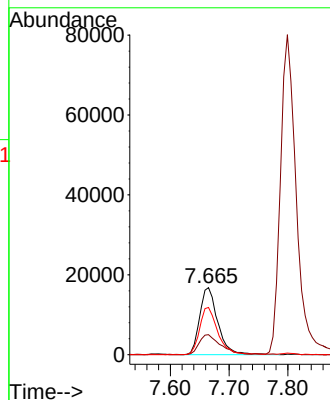
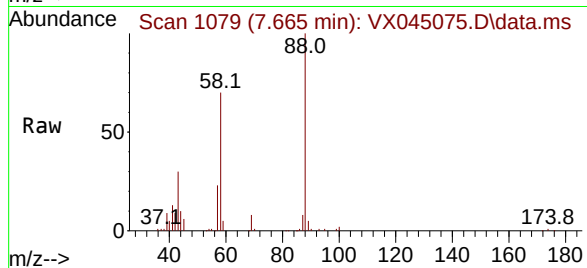
58 70.8 55.8 83.8

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

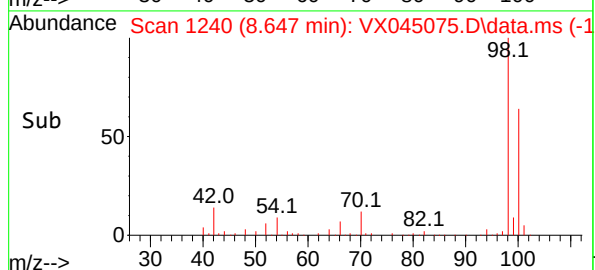
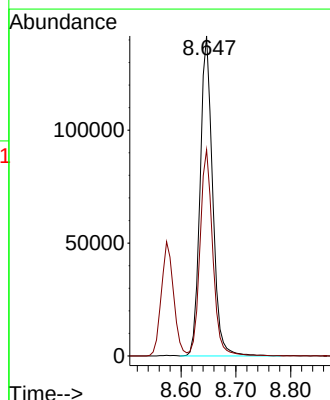
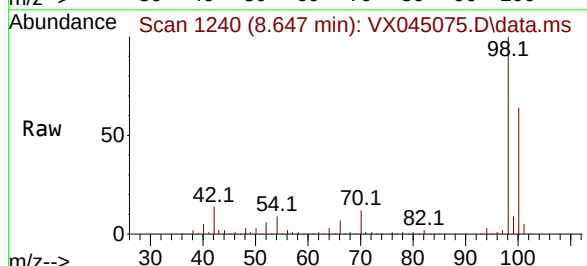
Acq: 28 Feb 2025 04:33

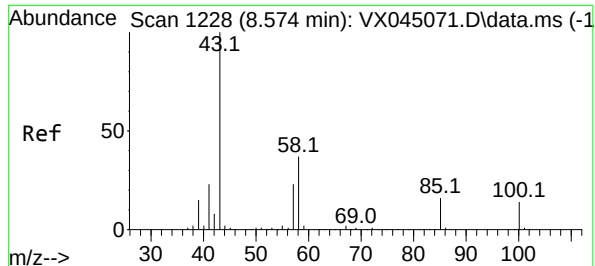
Tgt Ion: 98 Resp: 225823

Ion Ratio Lower Upper

98 100

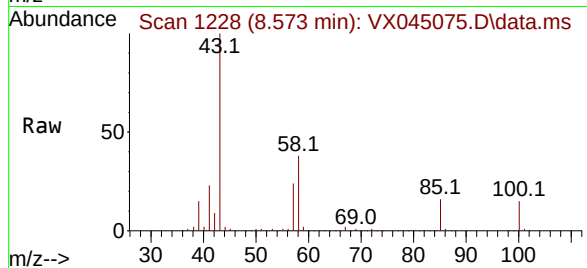
100 65.6 52.0 78.0





#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

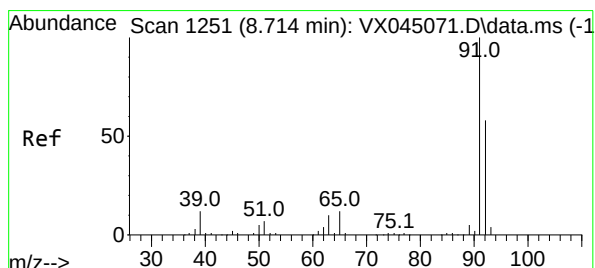
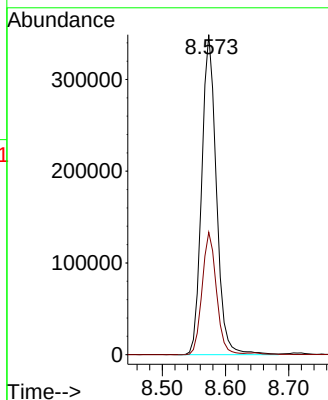
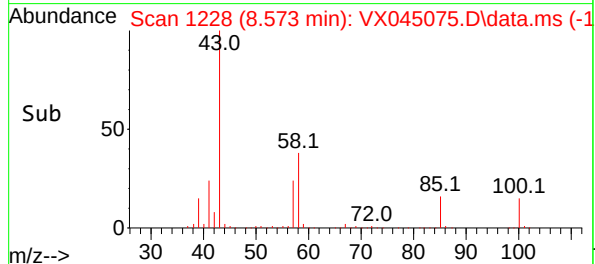
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825



Tgt Ion: 43 Resp: 56419
Ion Ratio Lower Upper
43 100
58 37.3 29.2 43.8

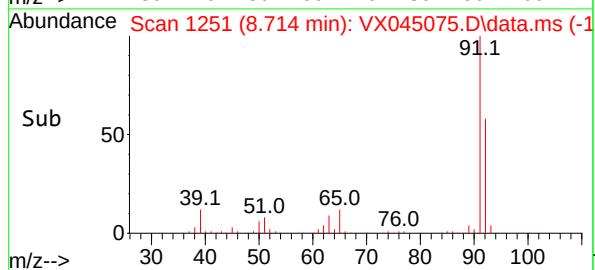
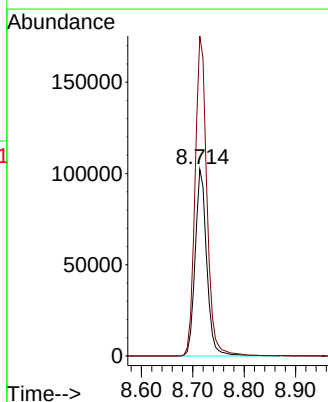
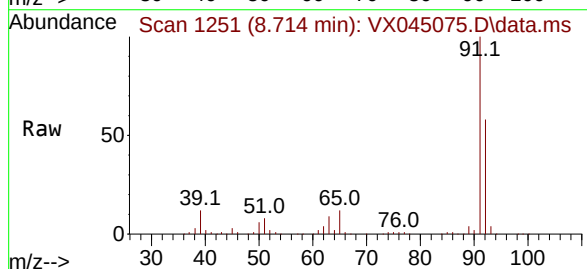
Manual Integrations
APPROVED

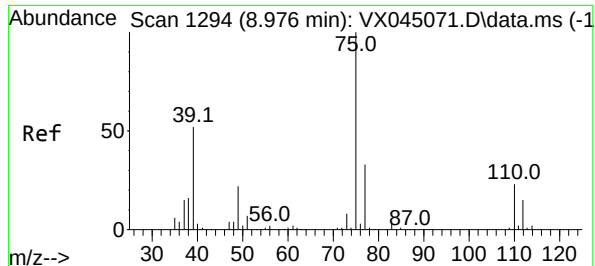
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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 :

ICVVX022825

Tgt Ion: 75 Resp: 86584

Ion Ratio Lower Upper

75 100

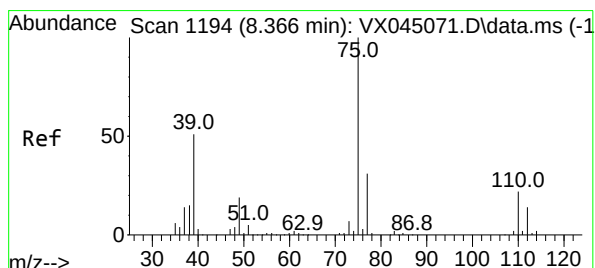
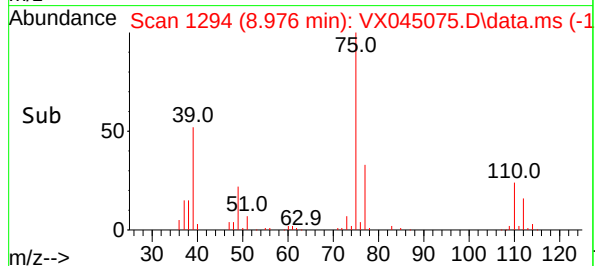
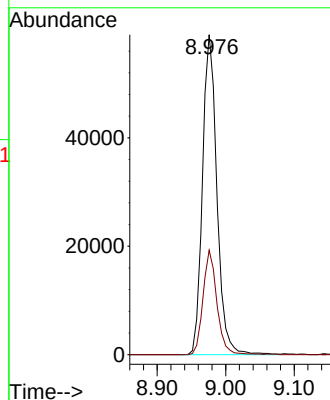
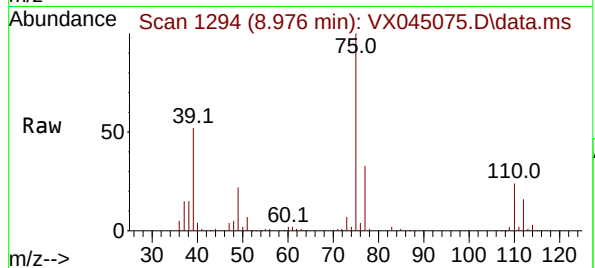
77 32.7 26.5 39.7

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

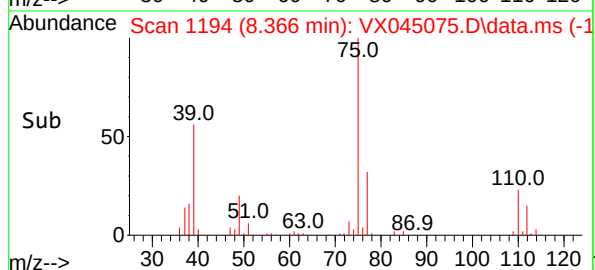
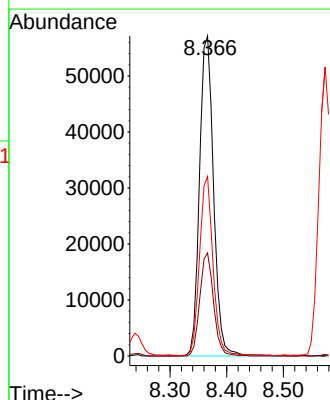
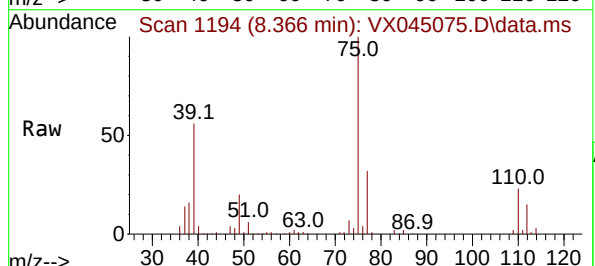
Tgt Ion: 75 Resp: 98146

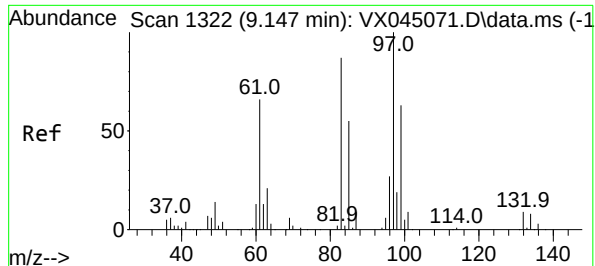
Ion Ratio Lower Upper

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

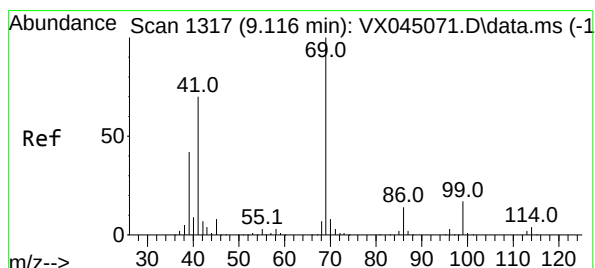
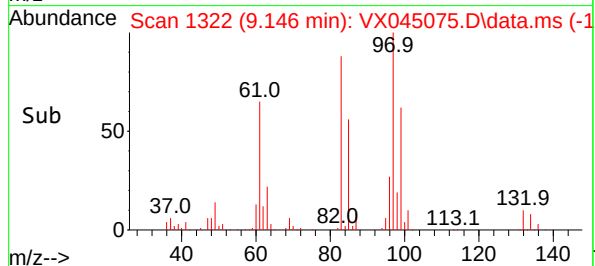
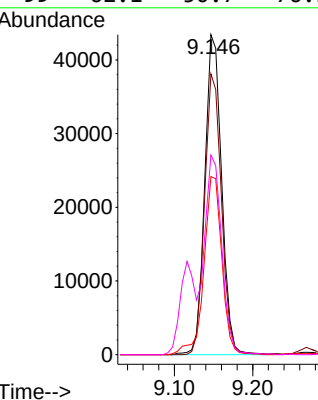
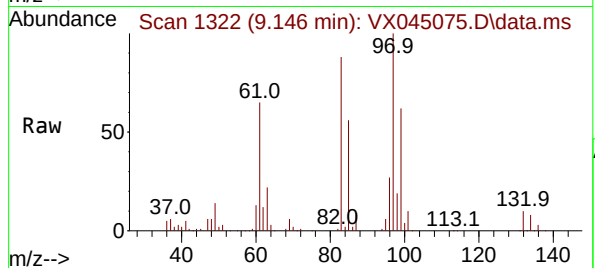
99 62.1 50.7 76.1

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

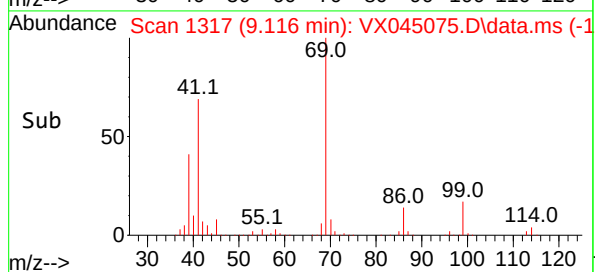
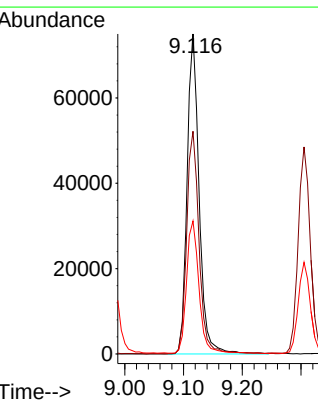
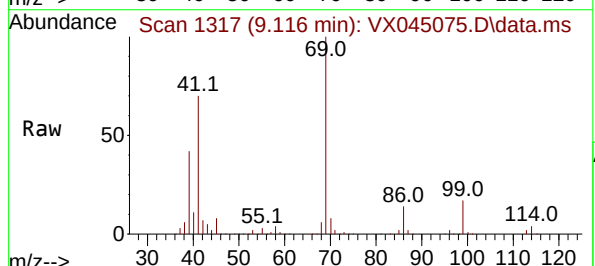
Tgt Ion: 69 Resp: 106405

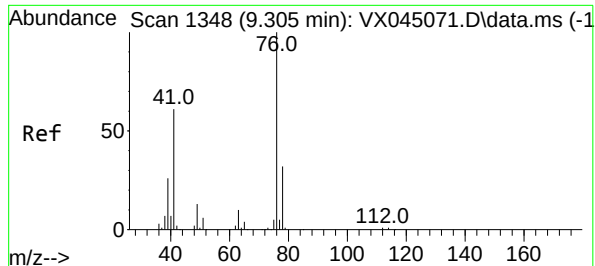
Ion Ratio Lower Upper

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 :

ICVVX022825

Tgt Ion: 76 Resp: 11488

Ion Ratio Lower Upper

76 100

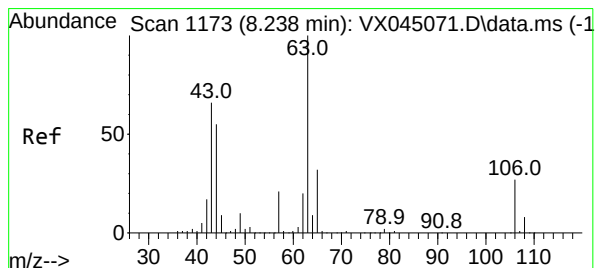
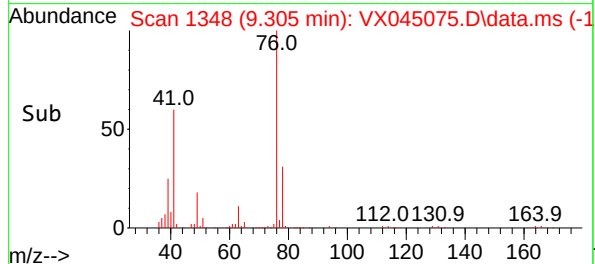
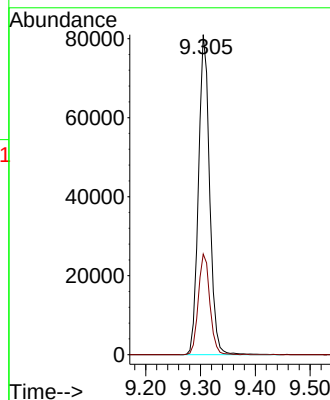
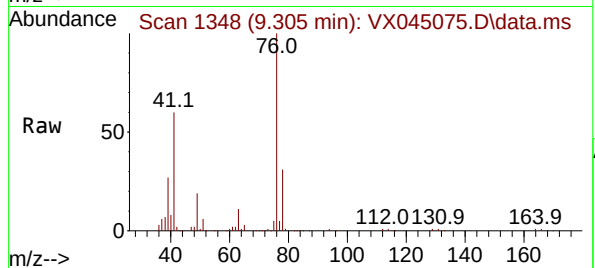
78 32.5 25.5 38.3

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

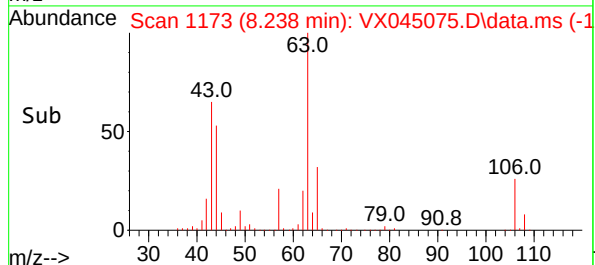
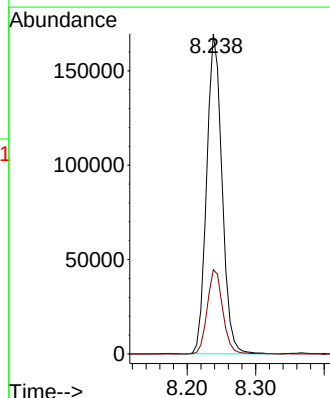
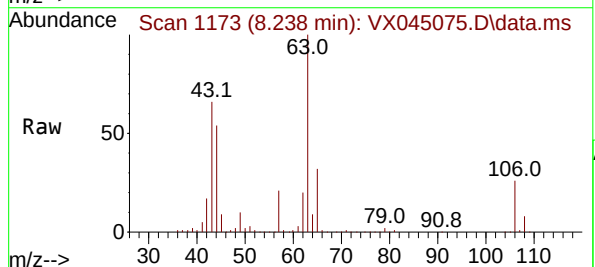
Acq: 28 Feb 2025 04:33

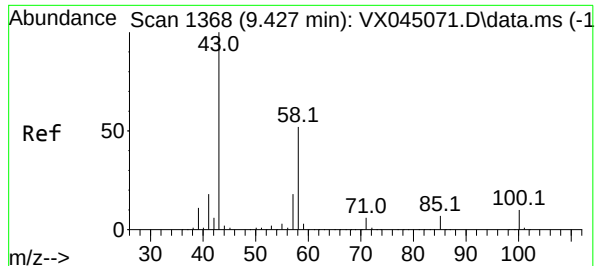
Tgt Ion: 63 Resp: 264335

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 :

ICVVX022825

Tgt Ion: 43 Resp: 41673

Ion Ratio Lower Upper

43 100

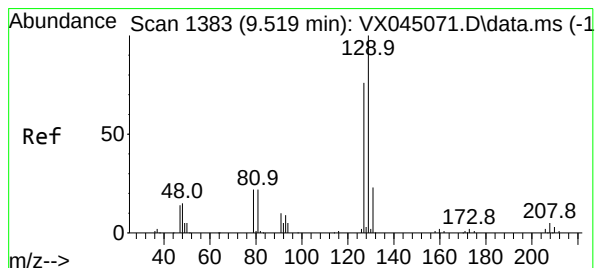
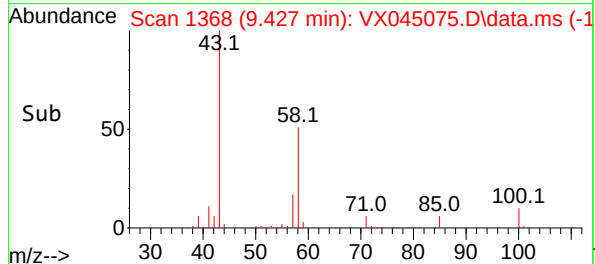
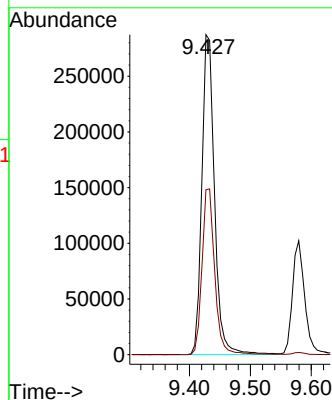
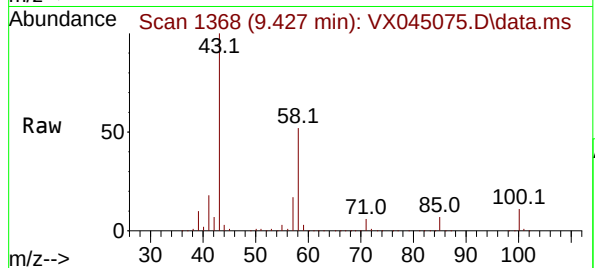
58 52.2 25.9 77.6

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

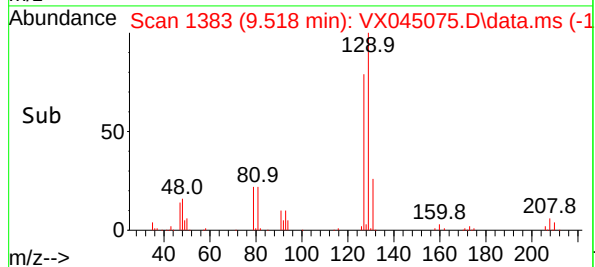
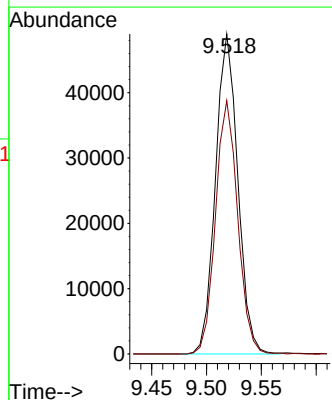
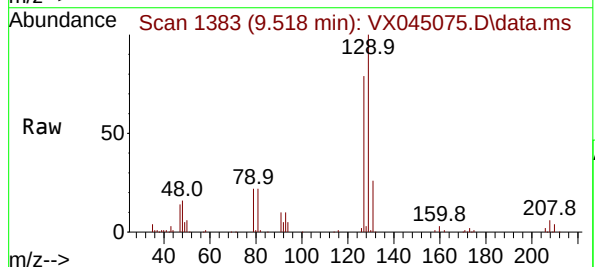
Acq: 28 Feb 2025 04:33

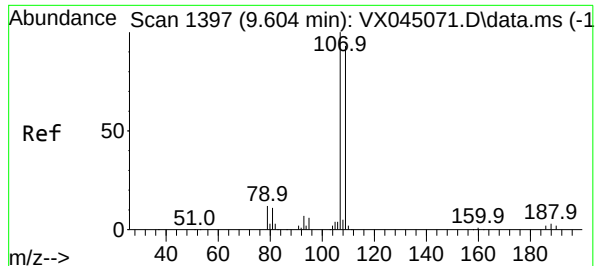
Tgt Ion:129 Resp: 69492

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

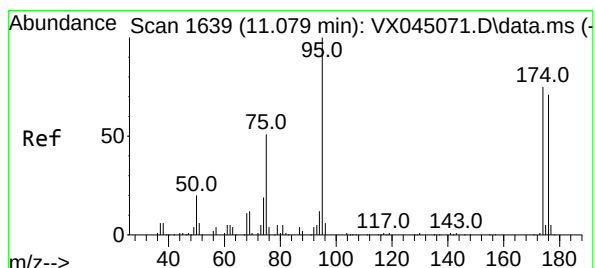
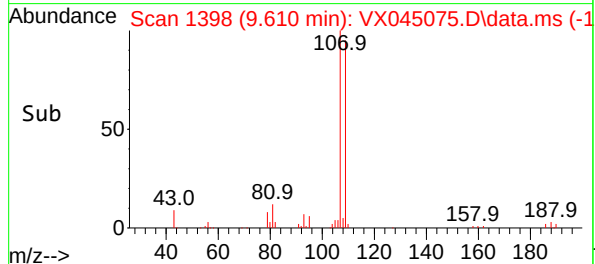
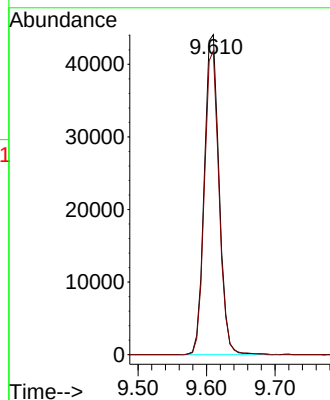
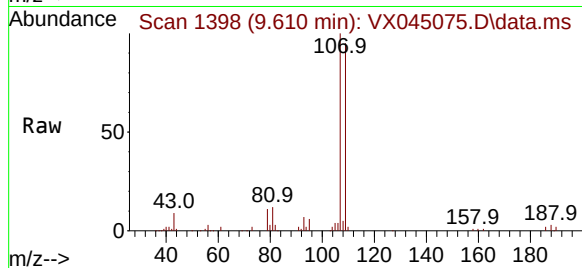
109 93.8 76.1 114.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 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

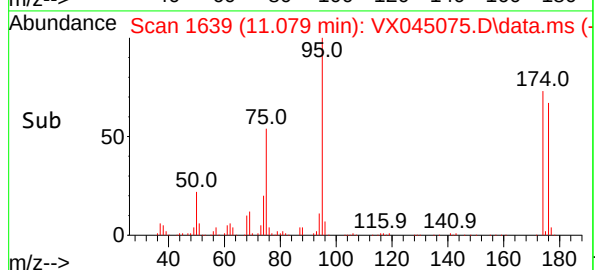
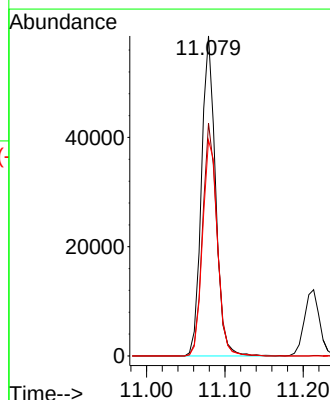
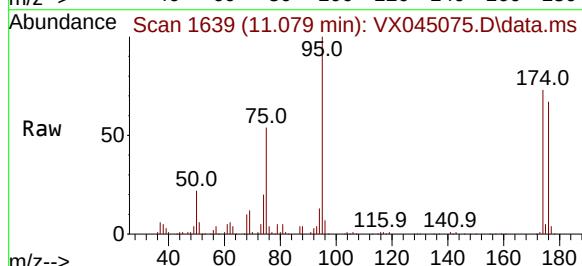
Tgt Ion: 95 Resp: 73162

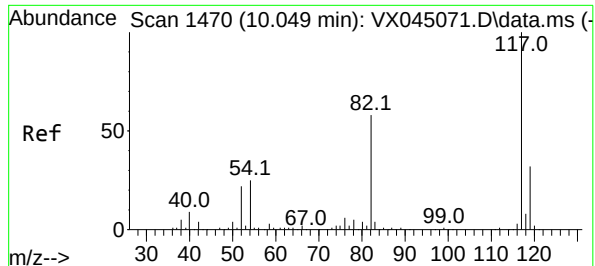
Ion Ratio Lower Upper

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# 1471

Delta R.T. 0.006 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Instrument :

MSVOA_X

ClientSampleId :

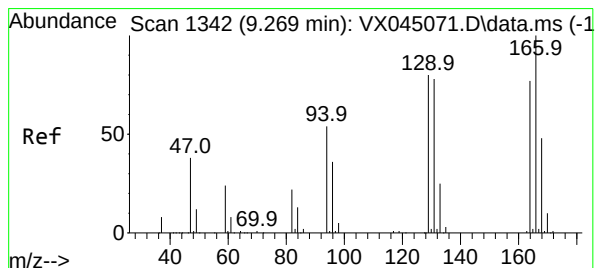
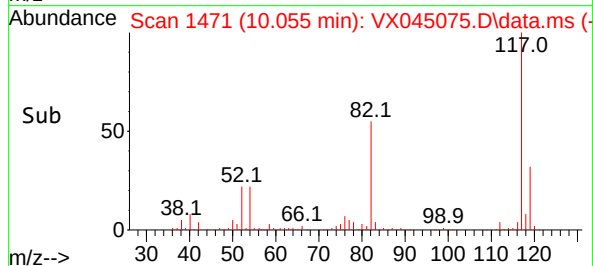
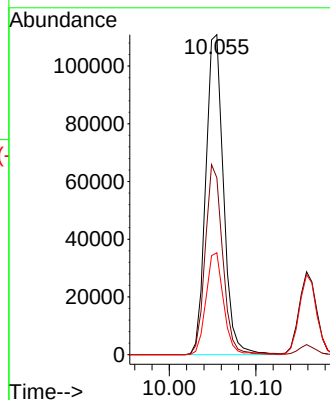
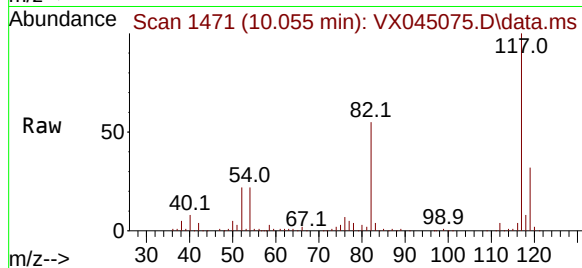
ICVVX022825

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

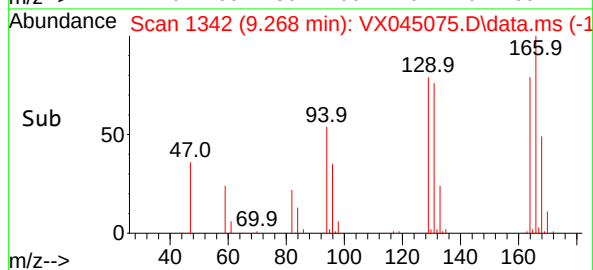
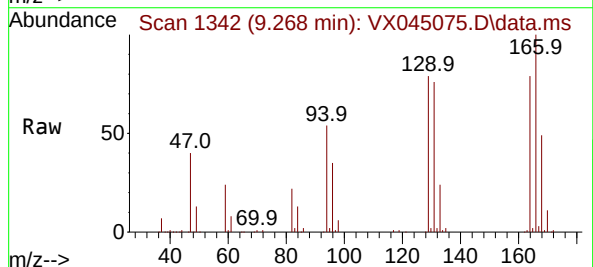
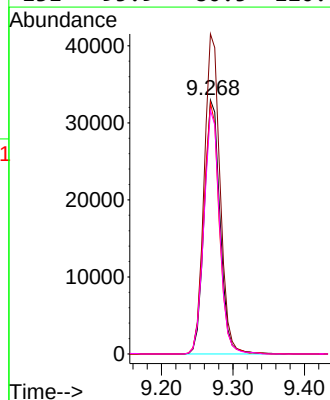
RT: 9.268 min Scan# 1342

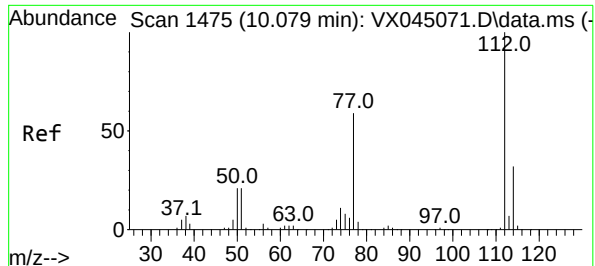
Delta R.T. -0.000 min

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 :

ICVVX022825

Tgt Ion:112 Resp: 16888

Ion Ratio Lower Upper

112 100

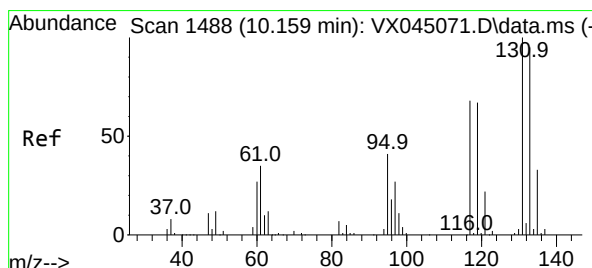
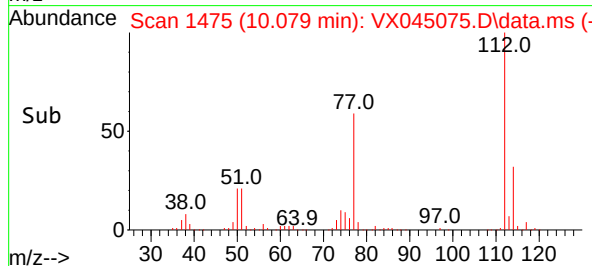
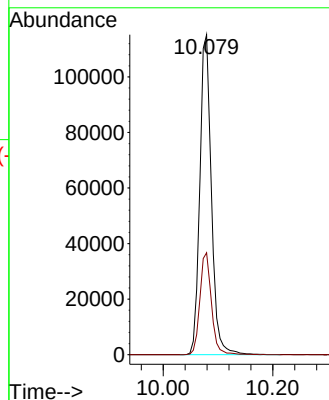
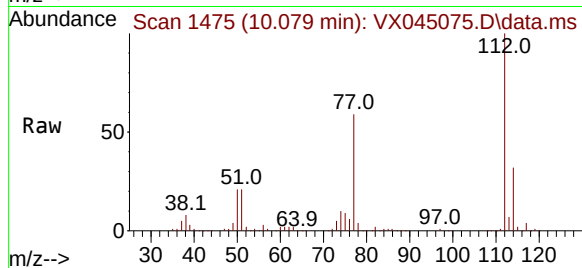
114 31.9 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 02/28/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 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

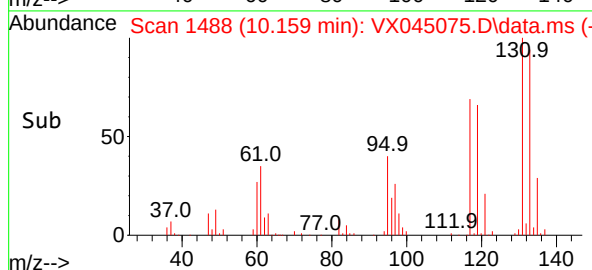
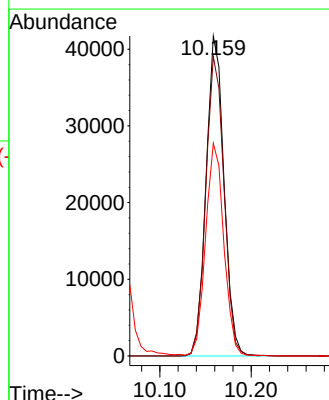
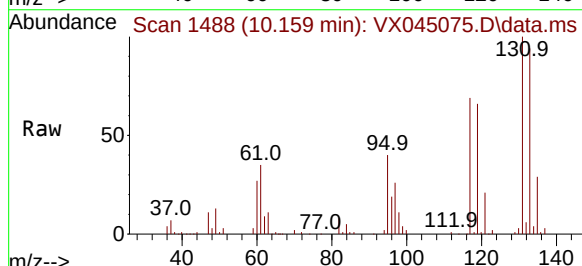
Tgt Ion:131 Resp: 56822

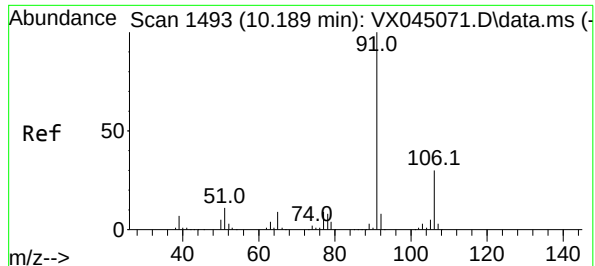
Ion Ratio Lower Upper

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

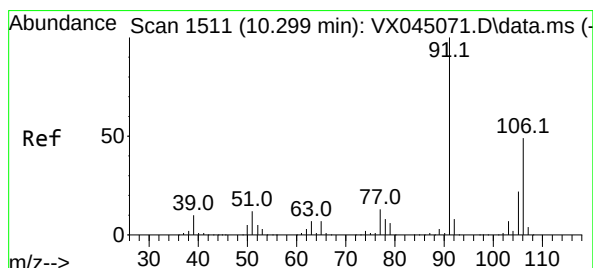
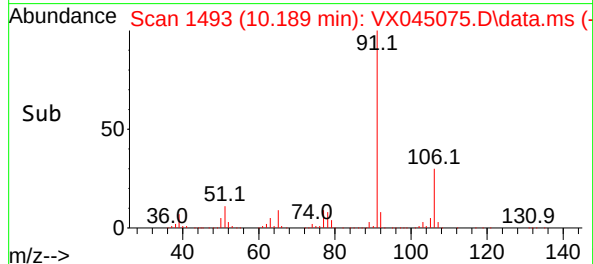
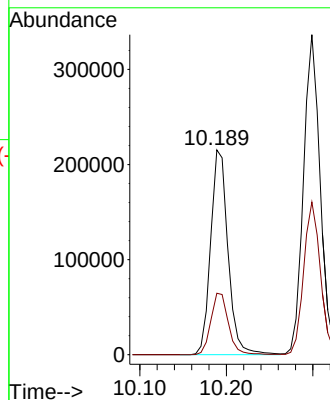
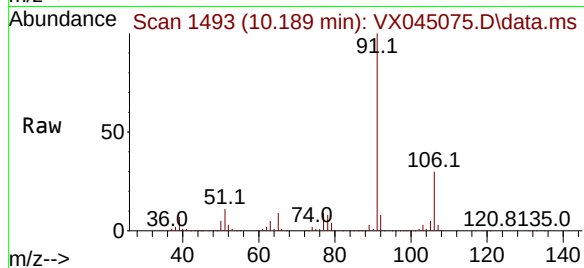
106 30.0 23.9 35.9

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

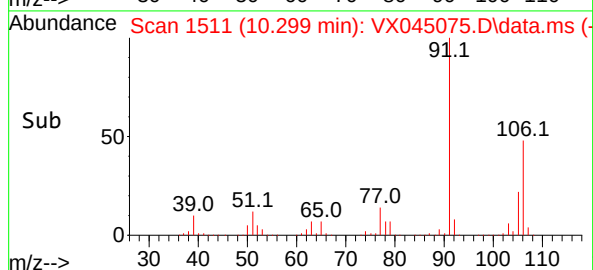
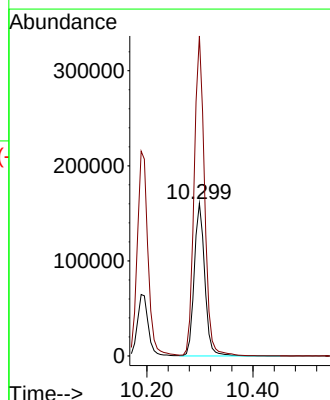
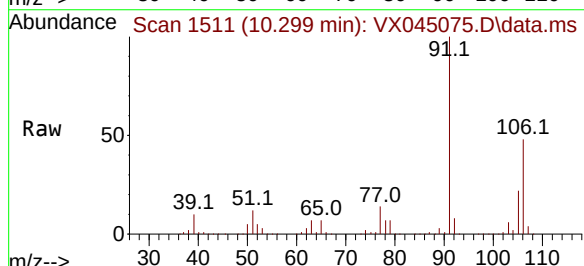
Acq: 28 Feb 2025 04:33

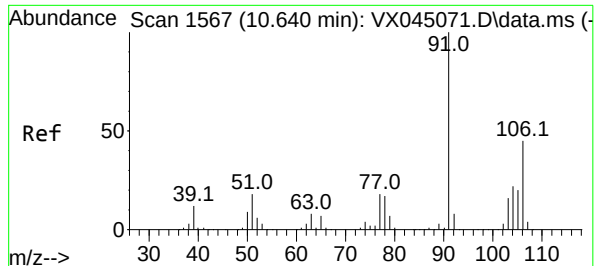
Tgt Ion:106 Resp: 220335

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

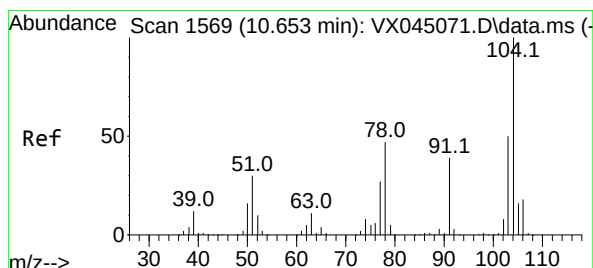
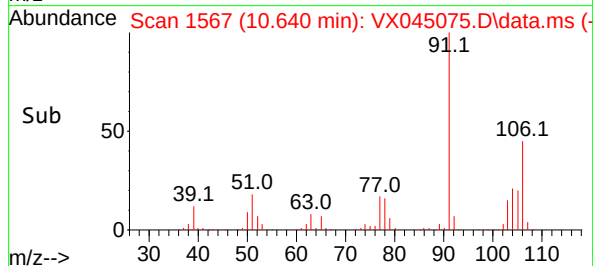
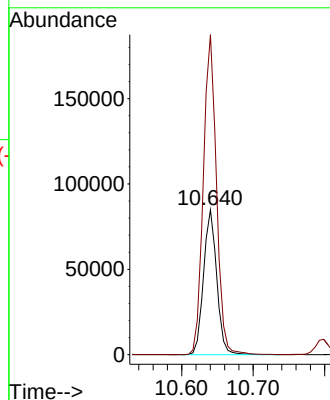
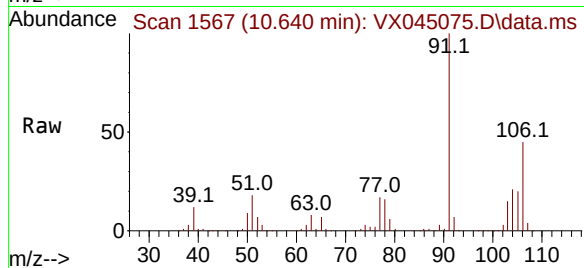
91 220.5 109.9 329.6

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

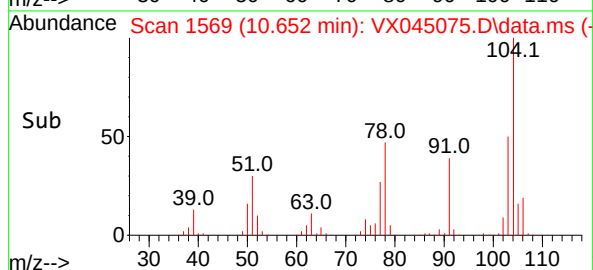
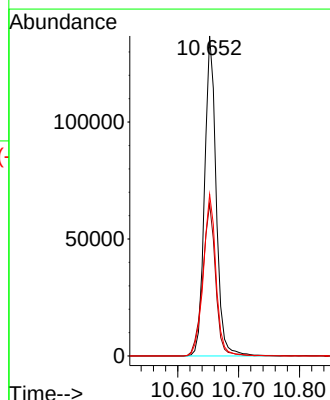
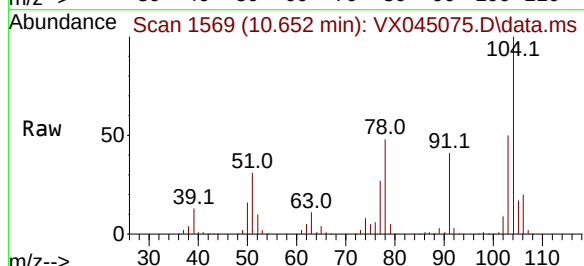
Tgt Ion:104 Resp: 181349

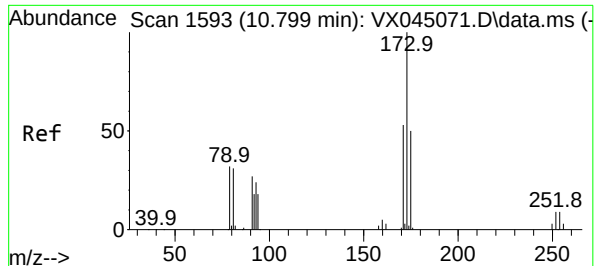
Ion Ratio Lower Upper

104 100

78 52.8 42.2 63.4

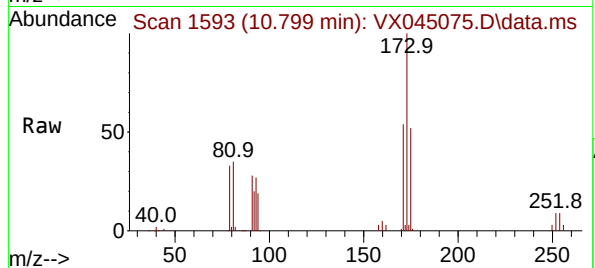
103 55.1 43.8 65.8





#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

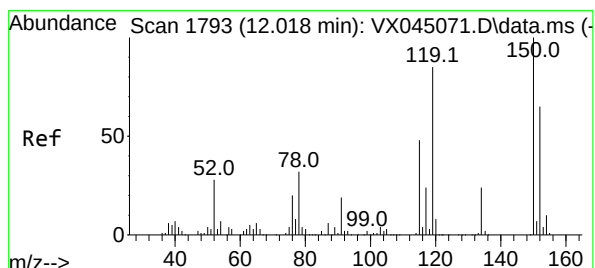
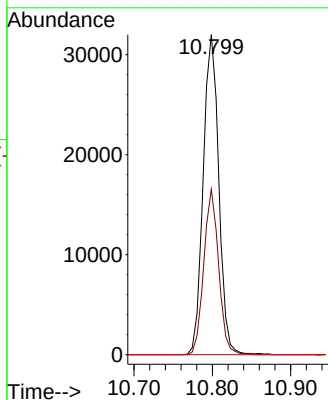
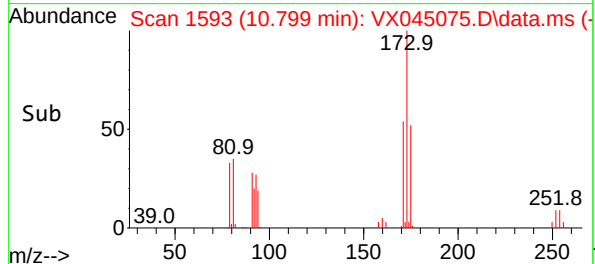
Instrument :
MSVOA_X
ClientSampleId :
ICVX022825



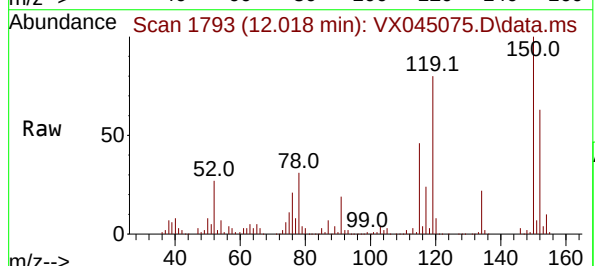
Tgt Ion:173 Resp: 4413
Ion Ratio Lower Upper
173 100
175 49.3 24.6 73.6
254 0.0 0.0 0.0

Manual Integrations
APPROVED

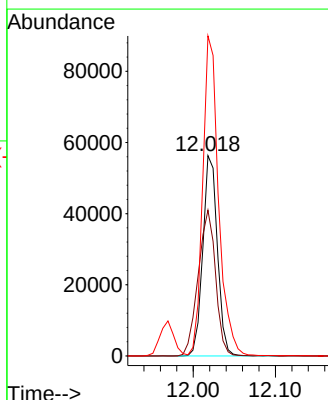
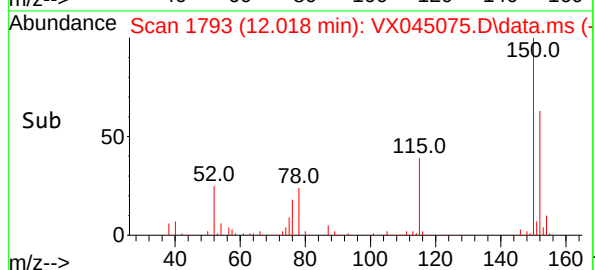
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

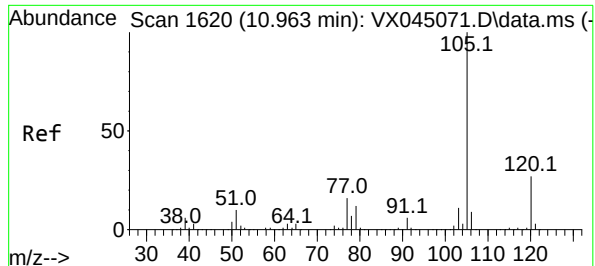


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33



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





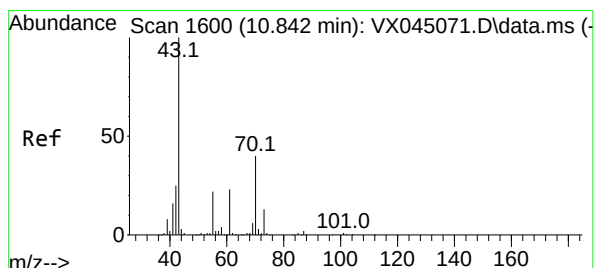
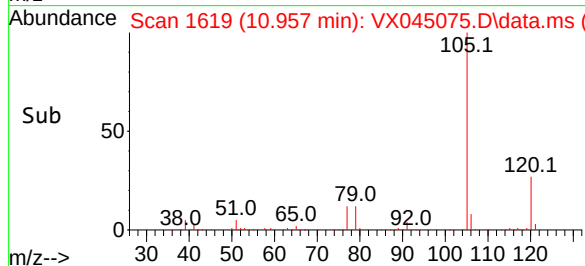
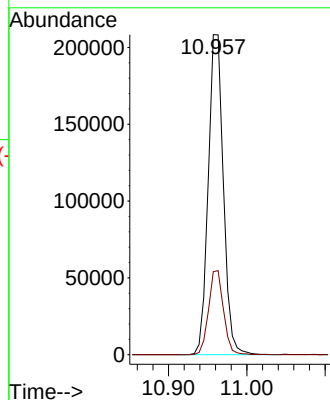
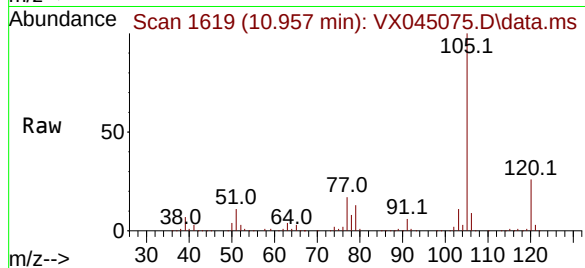
#73
Isopropylbenzene
Concen: 51.589 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:105 Resp: 279278
Ion Ratio Lower Upper
105 100
120 25.9 13.2 39.5

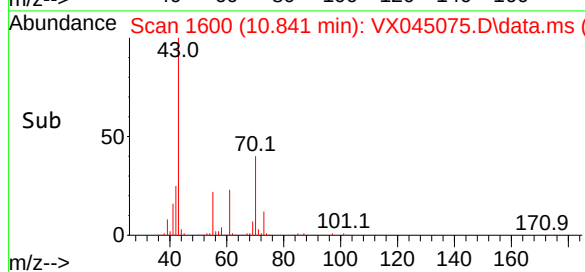
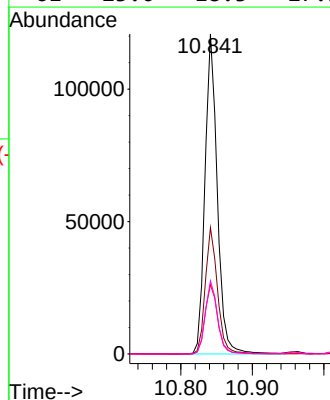
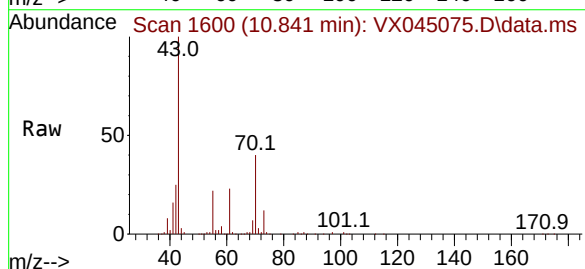
Manual Integrations
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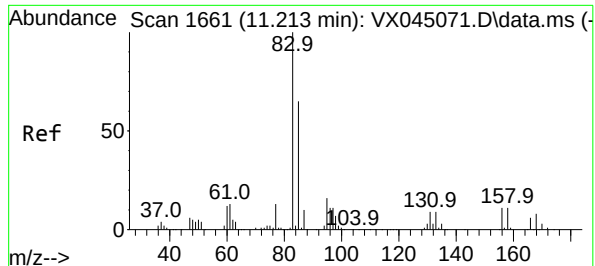
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

1,1,2,2-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

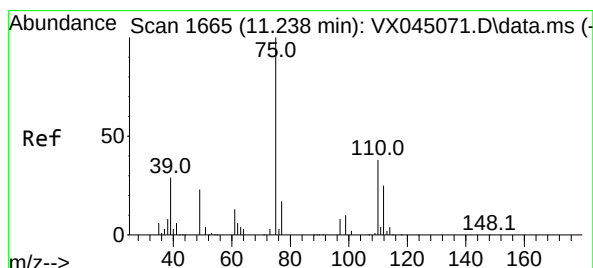
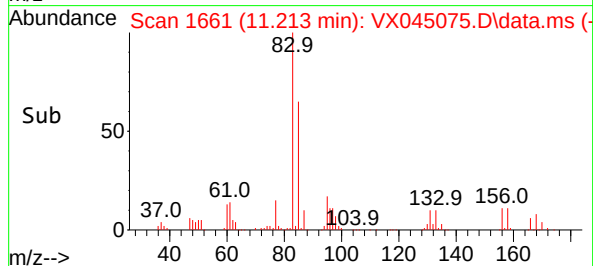
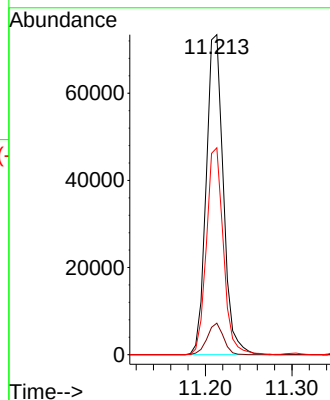
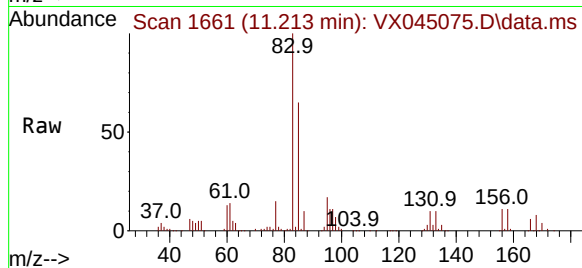
85 64.0 31.7 95.1

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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

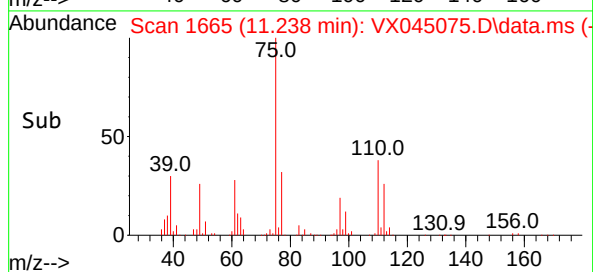
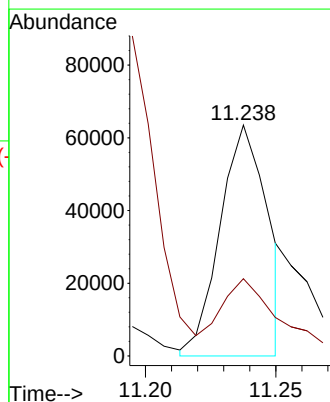
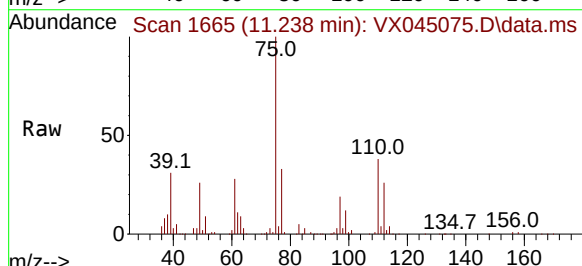
Acq: 28 Feb 2025 04:33

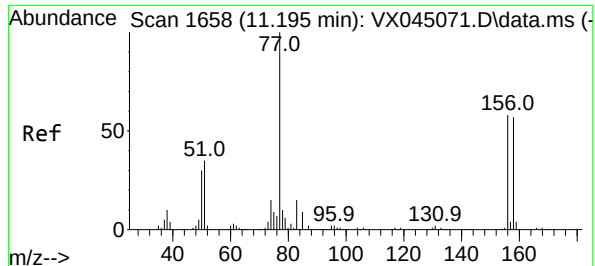
Tgt Ion: 75 Resp: 80618

Ion Ratio Lower Upper

75 100

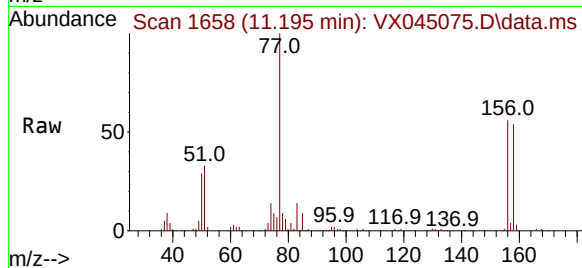
77 42.5 20.7 62.1





#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

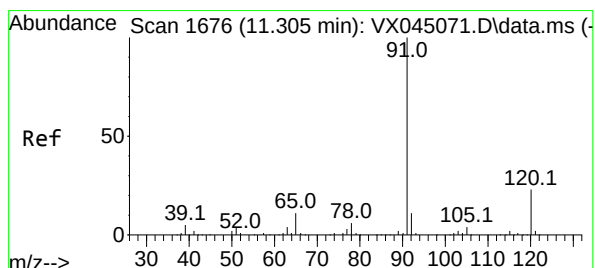
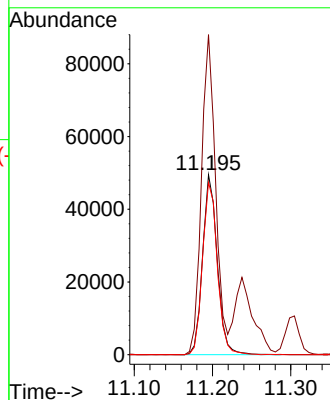
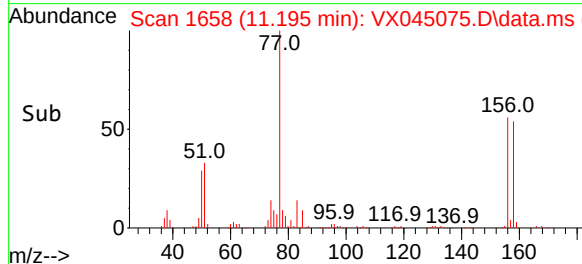
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825



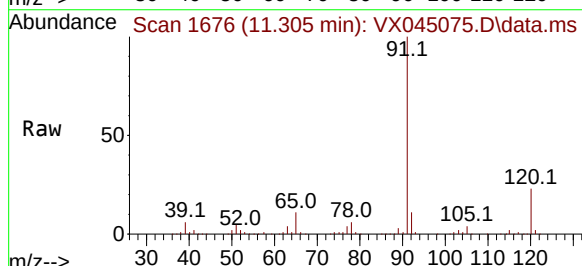
Tgt Ion:156 Resp: 64324
Ion Ratio Lower Upper
156 100
77 172.1 85.8 257.4
158 96.5 48.4 145.2

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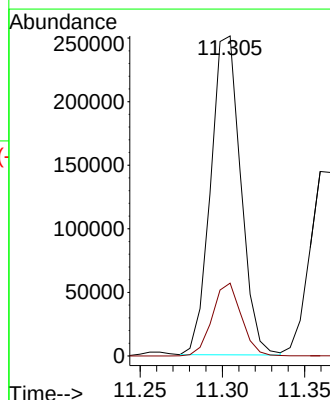
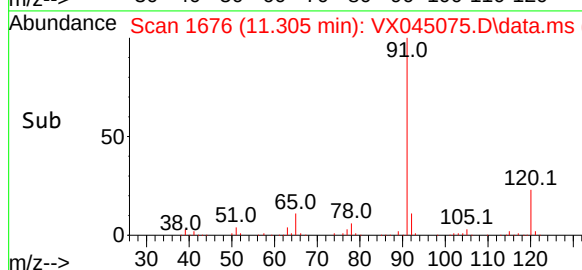
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

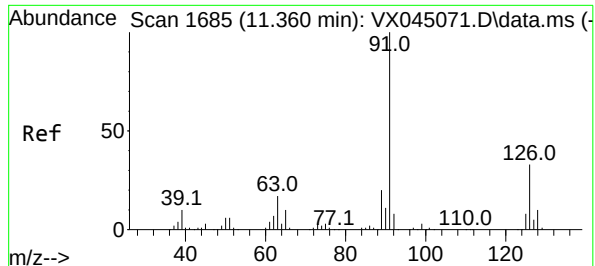


#78
n-propylbenzene
Concen: 52.203 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33



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# 1

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

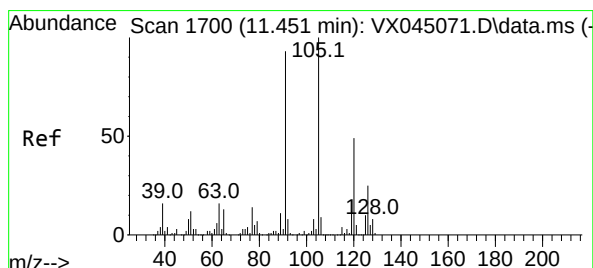
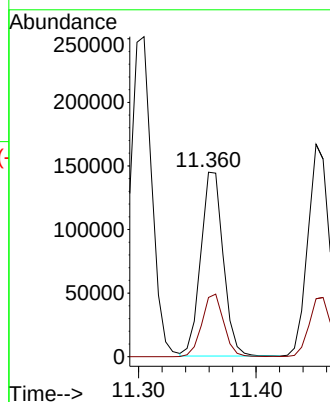
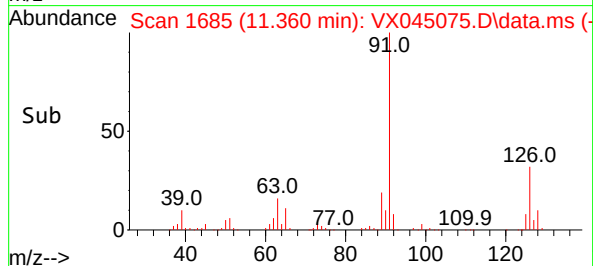
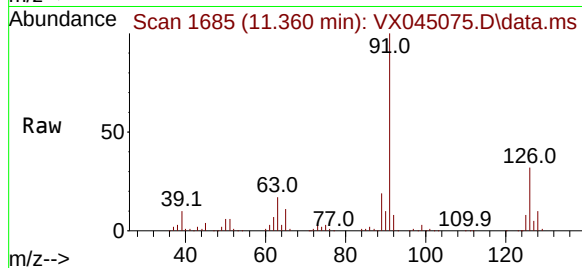
126 33.1 16.4 49.4

Manual Integrations

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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

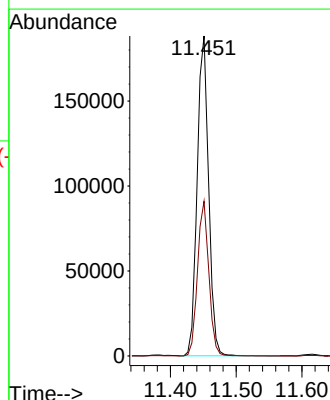
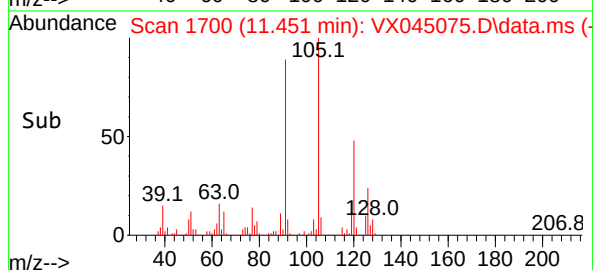
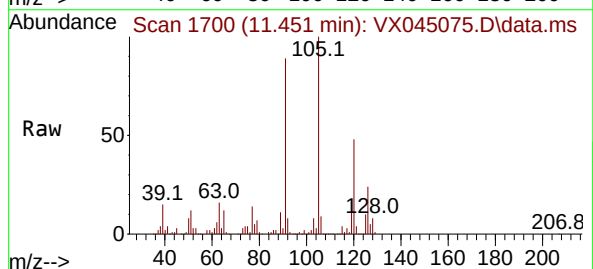
Acq: 28 Feb 2025 04:33

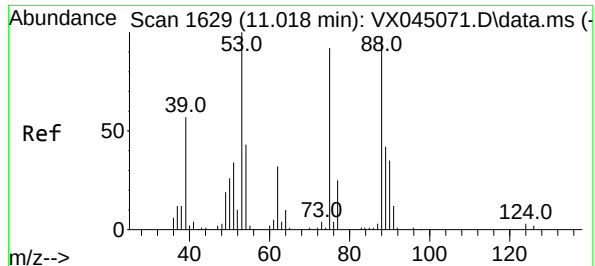
Tgt Ion:105 Resp: 225622

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.2





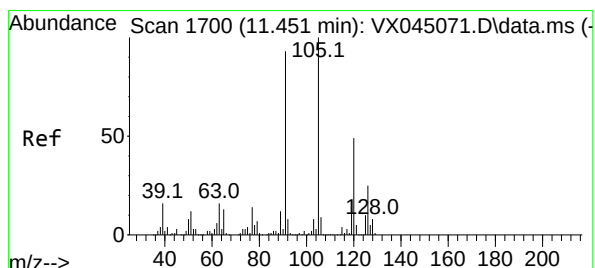
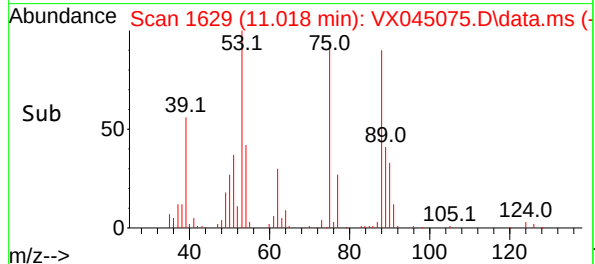
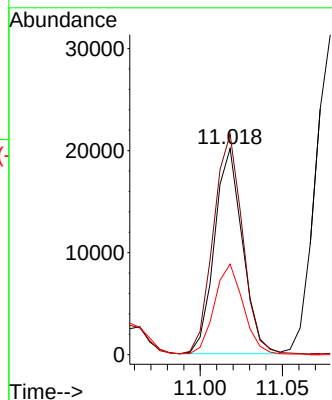
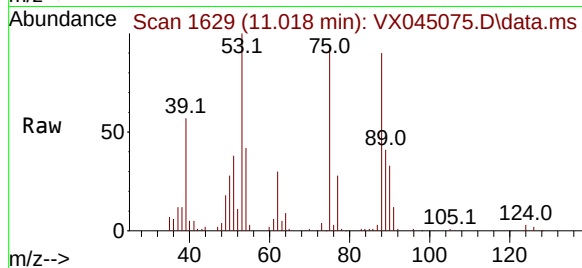
#81
trans-1,4-Dichloro-2-butene
Concen: 50.757 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

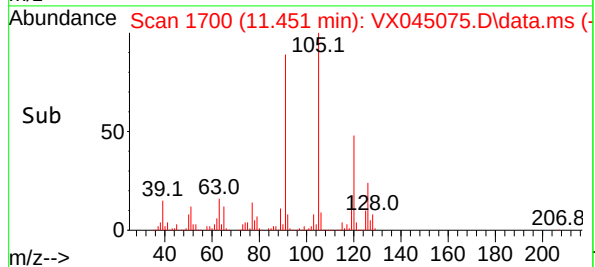
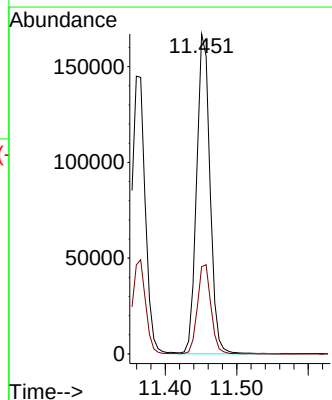
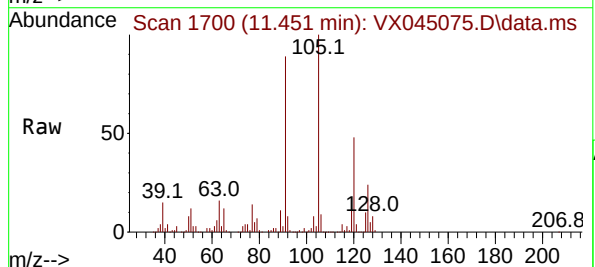
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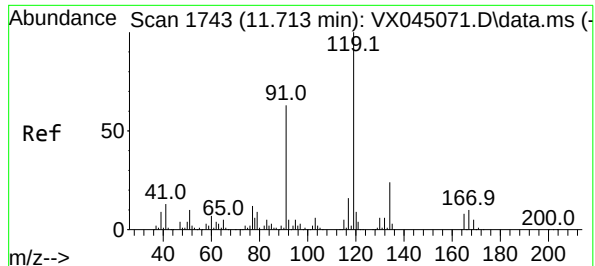
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

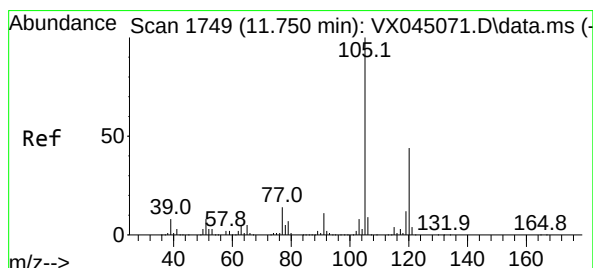
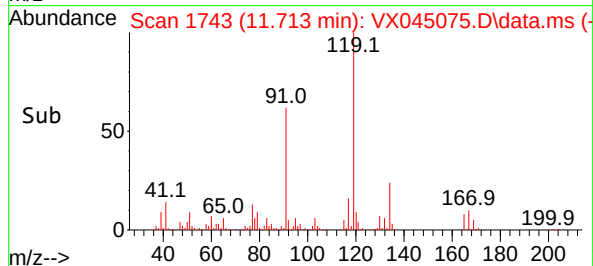
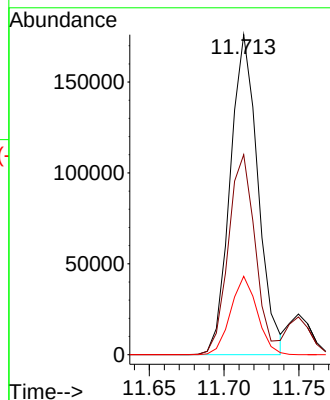
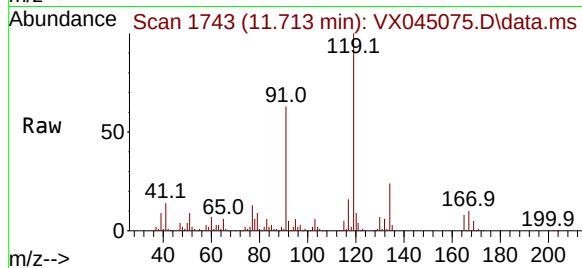
134 23.4 11.7 35.0

Manual Integrations

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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

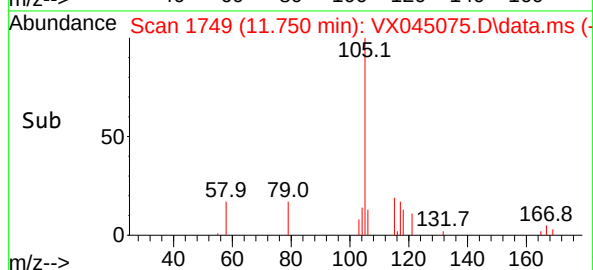
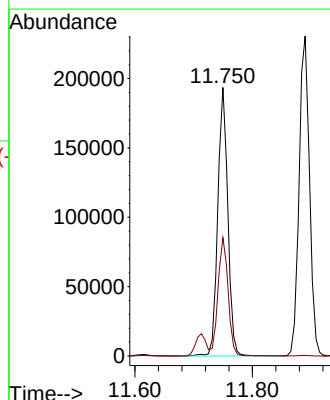
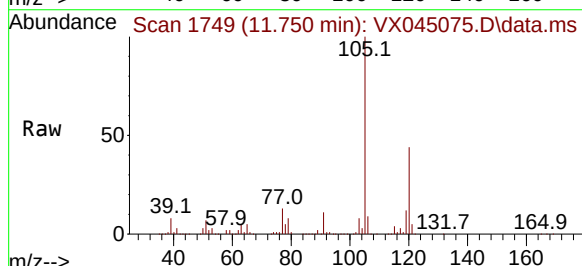
Acq: 28 Feb 2025 04:33

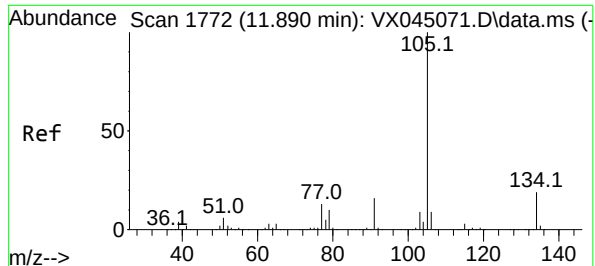
Tgt Ion:105 Resp: 228729

Ion Ratio Lower Upper

105 100

120 44.3 22.1 66.1





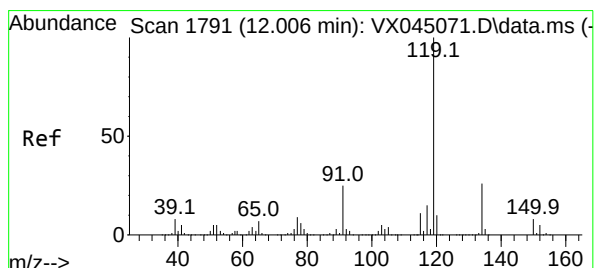
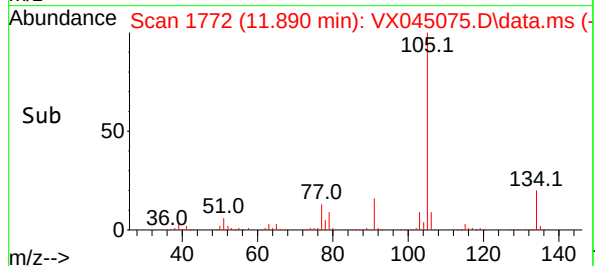
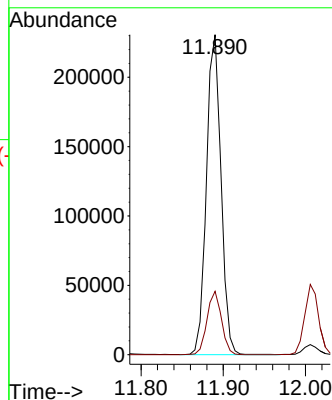
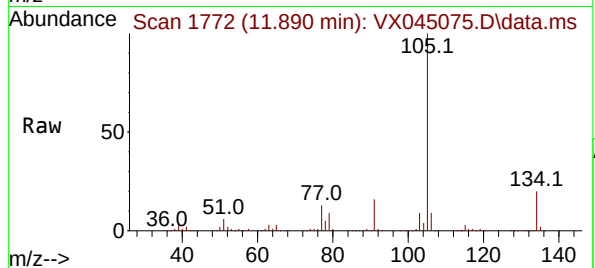
#85
sec-Butylbenzene
Concen: 52.703 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:105 Resp: 28393
Ion Ratio Lower Upper
105 100
134 19.6 9.8 29.4

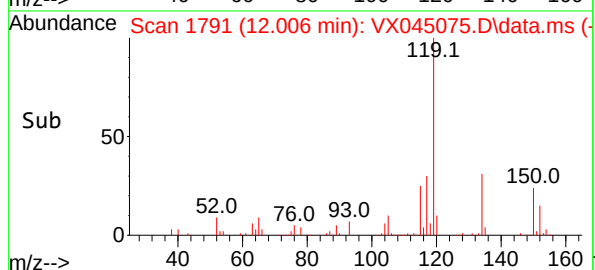
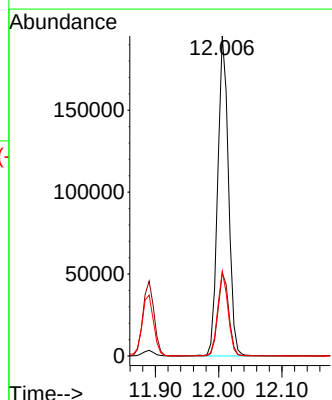
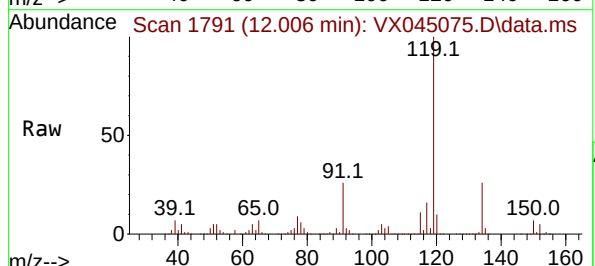
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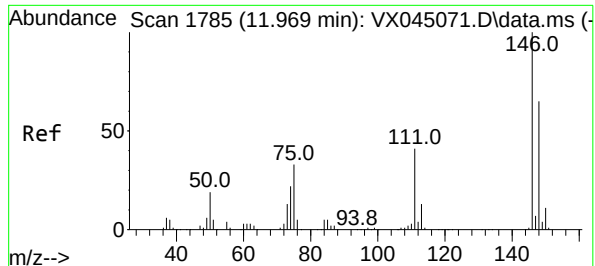
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#86
p-Isopropyltoluene
Concen: 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

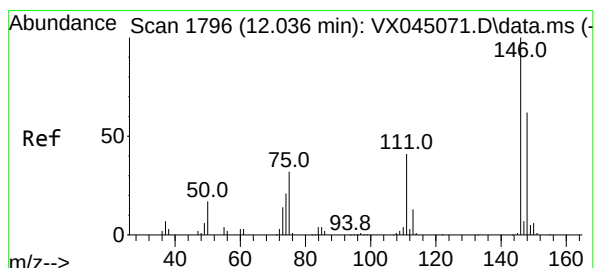
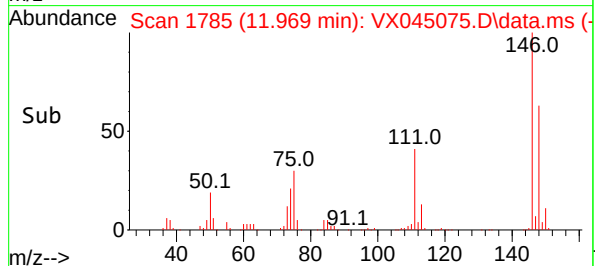
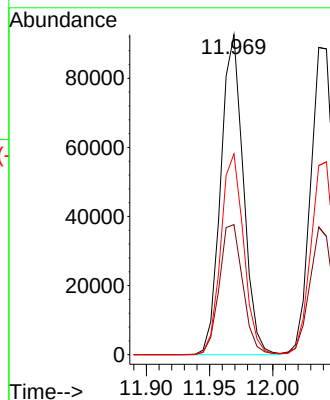
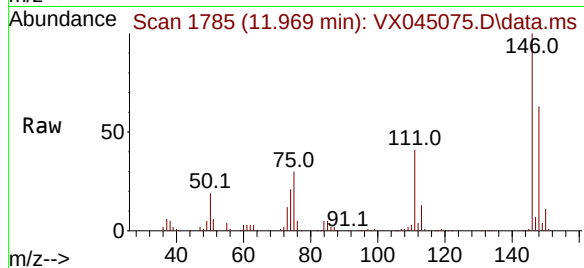
148 63.6 31.9 95.7

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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

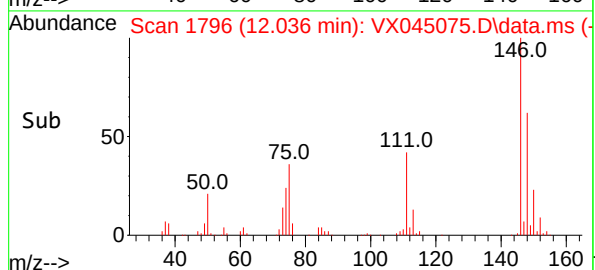
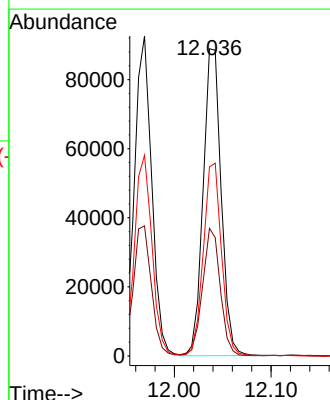
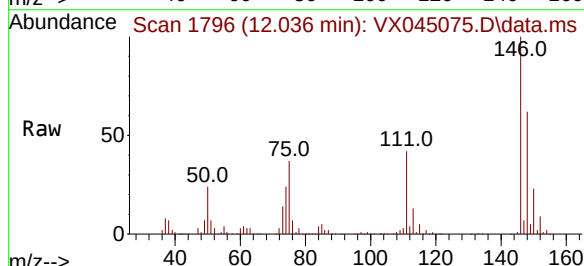
Tgt Ion:146 Resp: 115486

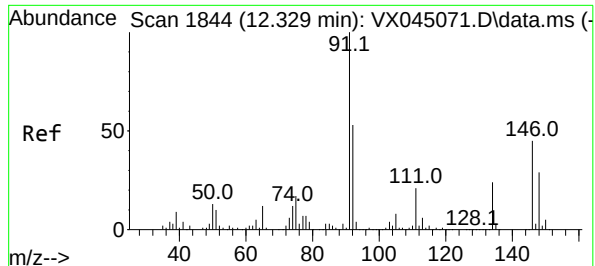
Ion Ratio Lower Upper

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

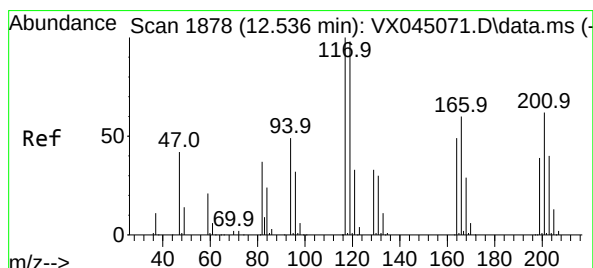
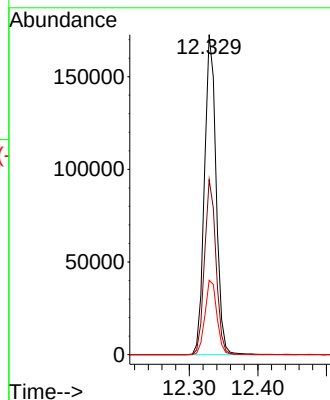
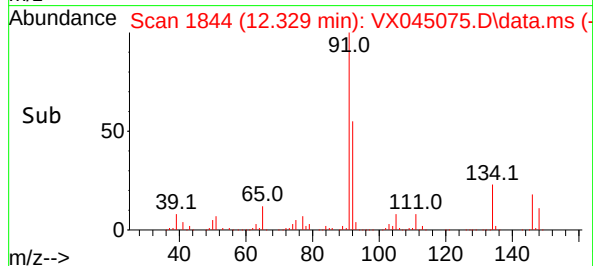
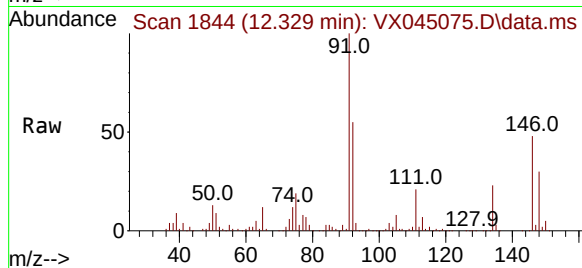
134 23.9 12.2 36.6

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

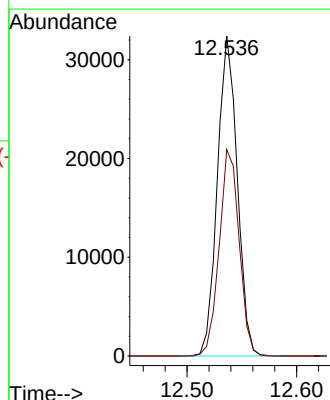
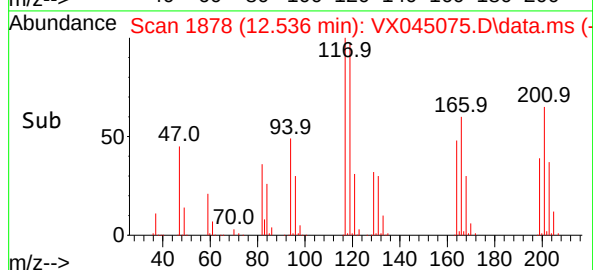
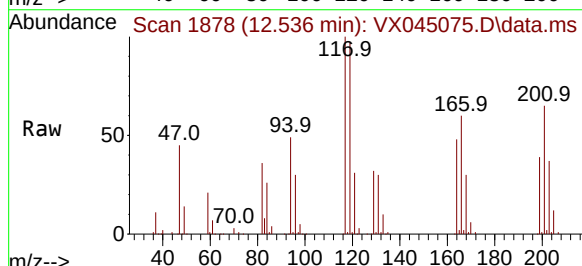
Acq: 28 Feb 2025 04:33

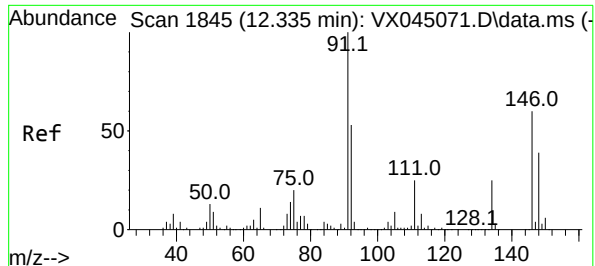
Tgt Ion:117 Resp: 40844

Ion Ratio Lower Upper

117 100

201 64.7 31.9 95.9





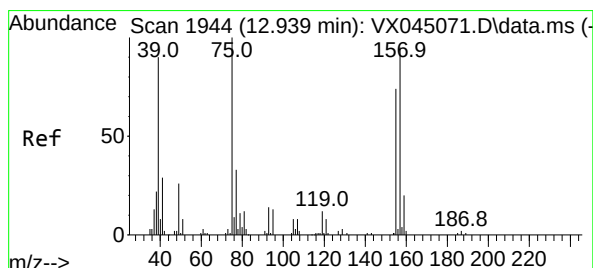
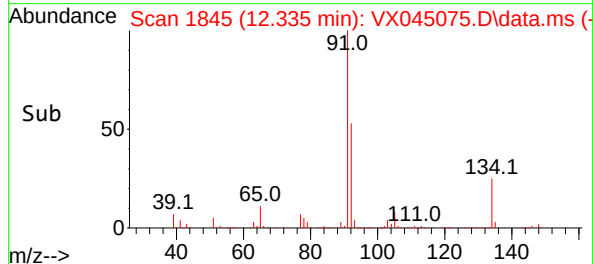
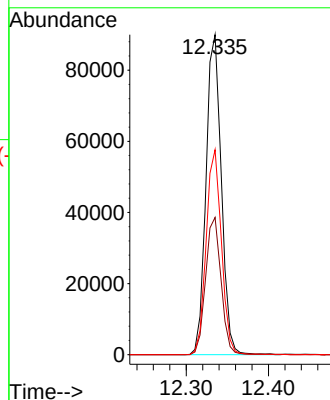
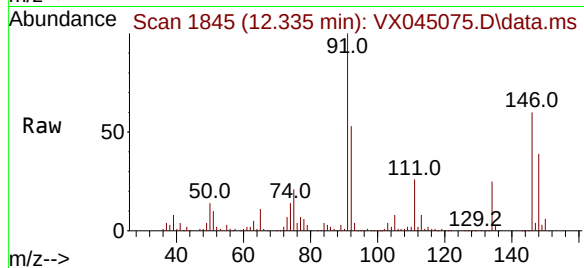
#91
1,2-Dichlorobenzene
Concen: 50.899 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

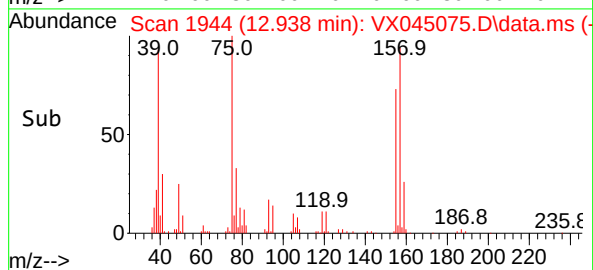
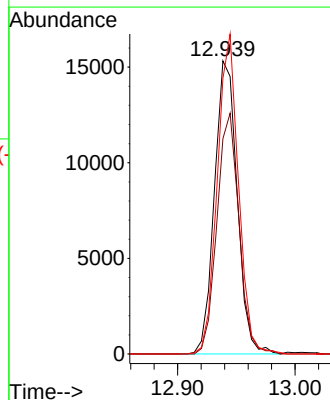
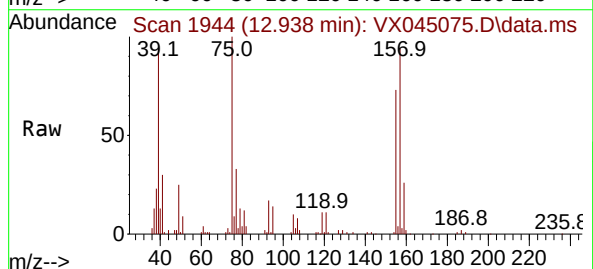
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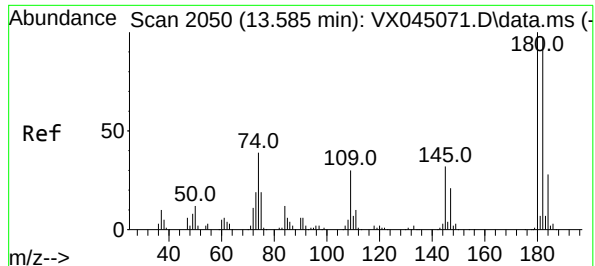
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 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

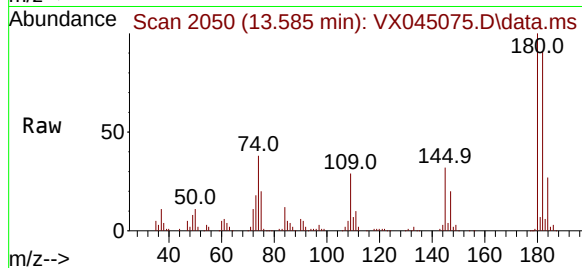
Tgt Ion: 75 Resp: 20589
Ion Ratio Lower Upper
75 100
155 79.8 39.6 118.7
157 101.7 51.1 153.4





#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

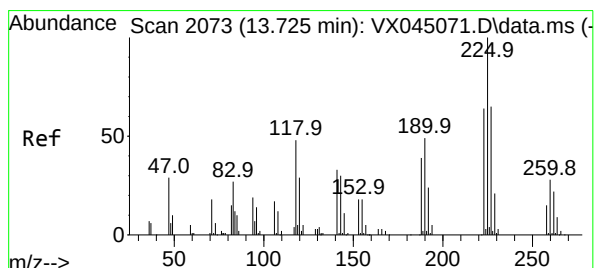
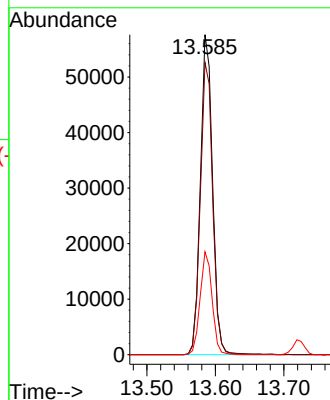
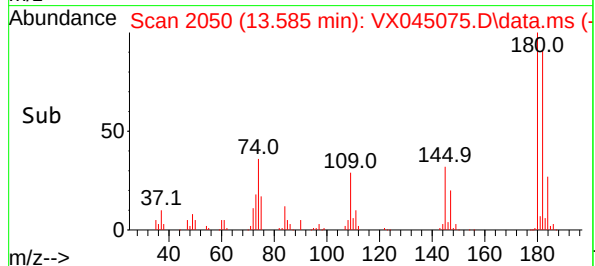
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825



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

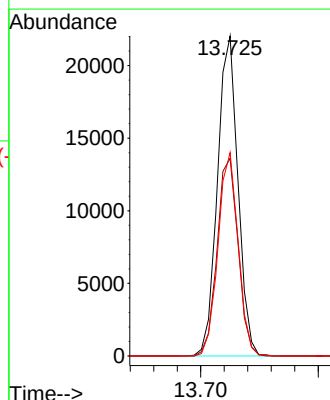
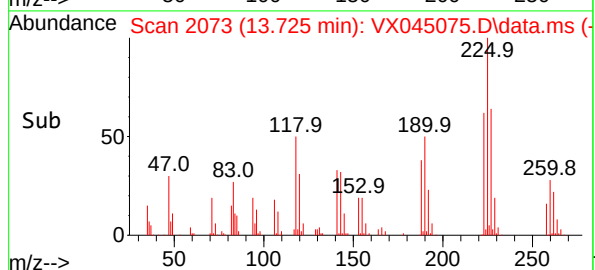
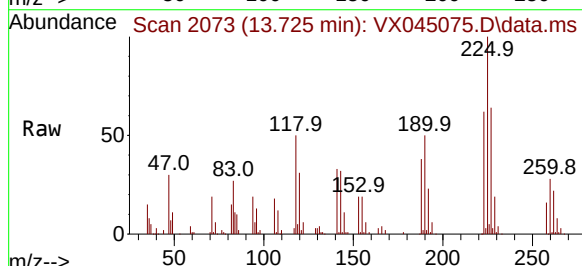
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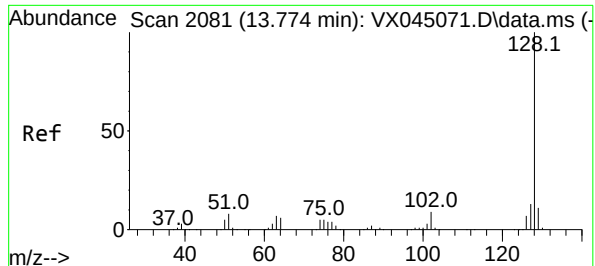
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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

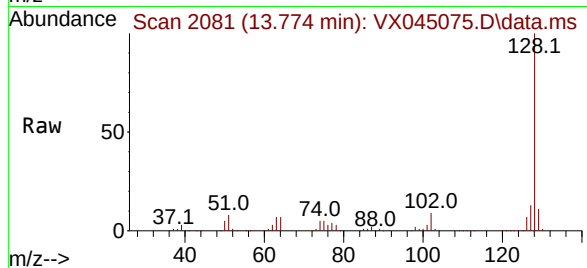
Tgt Ion:225 Resp: 26697
Ion Ratio Lower Upper
225 100
223 63.2 31.9 95.7
227 62.4 31.4 94.0





#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

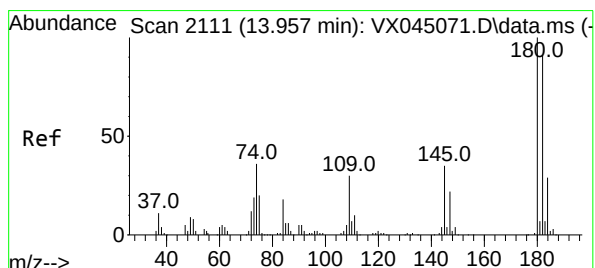
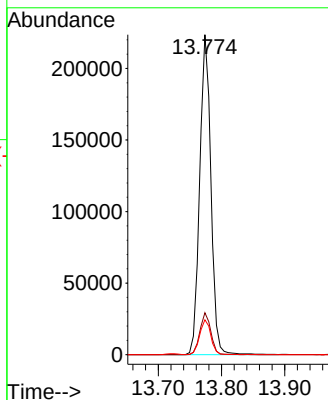
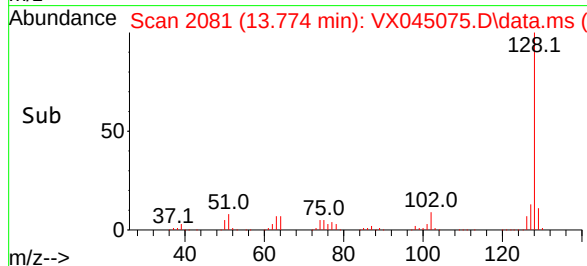
Instrument :
MSVOA_X
ClientSampleId :
ICVX022825



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

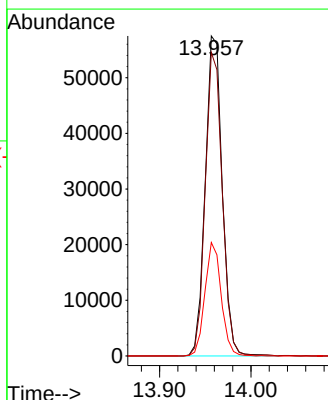
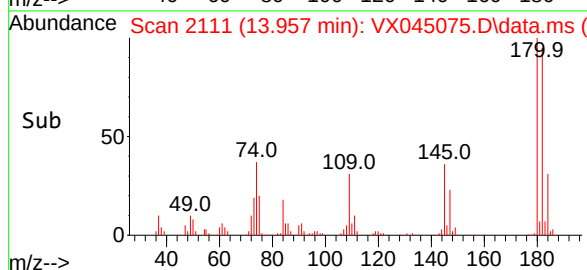
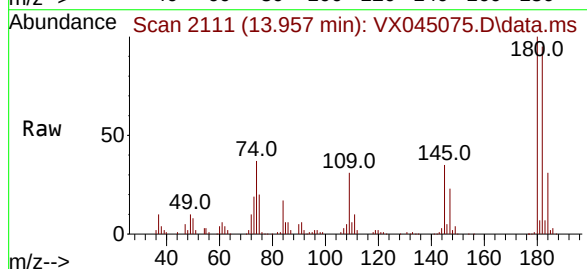
Manual Integrations
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Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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\WX022825\
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-ethyl 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: TETR06

Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG No.: Q1423

Instrument ID: MSVOA_X Calibration Date/Time: 02/25/2025 10:00

Lab File ID: VX045029.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.854	0.745	0.1	-12.76	20
Vinyl Chloride	0.827	0.732		-11.49	20
Bromomethane	0.247	0.252		2.02	20
Chloroethane	0.307	0.346		12.7	20
Trichlorofluoromethane	1.046	1.033		-1.24	20
1,1,2-Trichlorotrifluoroethane	0.632	0.617		-2.37	20
1,1-Dichloroethene	0.644	0.593		-7.92	20
Acetone	0.294	0.364		23.81	20
Carbon Disulfide	1.767	1.454		-17.71	20
Methyl tert-butyl Ether	2.050	1.972		-3.81	20
Methylene Chloride	0.721	0.673		-6.66	20
trans-1,2-Dichloroethene	0.634	0.582		-8.2	20
1,1-Dichloroethane	1.233	1.194	0.1	-3.16	20
2-Butanone	0.478	0.544		13.81	20
Carbon Tetrachloride	0.460	0.478		3.91	20
cis-1,2-Dichloroethene	0.762	0.721		-5.38	20
Chloroform	1.196	1.170		-2.17	20
1,1,1-Trichloroethane	1.014	0.979		-3.45	20
Methylcyclohexane	0.606	0.609		0.5	20
Benzene	1.465	1.459		-0.41	20
1,2-Dichloroethane	0.467	0.504		7.92	20
Trichloroethene	0.335	0.339		1.19	20
1,2-Dichloropropane	0.364	0.376		3.3	20
Bromodichloromethane	0.489	0.538		10.02	20
4-Methyl-2-Pentanone	0.512	0.618		20.7	20
Toluene	0.872	0.882		1.15	20
t-1,3-Dichloropropene	0.495	0.515		4.04	20
cis-1,3-Dichloropropene	0.552	0.576		4.35	20
1,1,2-Trichloroethane	0.335	0.356		6.27	20
2-Hexanone	0.369	0.458		24.12	20
Dibromochloromethane	0.359	0.394		9.75	20
Tetrachloroethene	0.315	0.319		1.27	20
Chlorobenzene	1.074	1.097	0.3	2.14	20
Ethyl Benzene	1.895	1.927		1.69	20
m/p-Xylenes	0.699	0.720		3	20
o-Xylene	0.701	0.716		2.14	20
Styrene	1.130	1.200		6.2	20
Bromoform	0.258	0.297	0.1	15.12	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: TETR06

Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG No.: Q1423

Instrument ID: MSVOA_X Calibration Date/Time: 02/25/2025 10:00

Lab File ID: VX045029.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	4.026	3.989		-0.92	20
1,1,2,2-Tetrachloroethane	1.383	1.395	0.3	0.87	20
1,3-Dichlorobenzene	1.678	1.702		1.43	20
1,4-Dichlorobenzene	1.697	1.703		0.35	20
1,2-Dichlorobenzene	1.650	1.713		3.82	20
1,2-Dichloroethane-d4	0.732	0.737		0.68	20
Dibromofluoromethane	0.325	0.348		7.08	20
Toluene-d8	1.229	1.235		0.49	20
4-Bromofluorobenzene	0.414	0.445		7.49	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\VX022525\
 Data File : VX045029.D
 Acq On : 25 Feb 2025 10:00
 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 02/26/2025
 Supervised By : Mahesh Dadoda 02/26/2025

Quant Time: Feb 25 11:55:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	110252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	188741	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	166334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76720	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	81234	50.33	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.66%			
35) Dibromofluoromethane	5.379	113	65753	53.58	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.16%			
50) Toluene-d8	8.641	98	233128	50.24	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.48%			
62) 4-Bromofluorobenzene	11.079	95	84075	53.74	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.48%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	74727	48.33	ug/l	100
3) Chloromethane	1.301	50	82134	43.64	ug/l	99
4) Vinyl Chloride	1.374	62	80701	44.26	ug/l	100
5) Bromomethane	1.593	94	27748	50.86	ug/l	89
6) Chloroethane	1.660	64	38111	54.93	ug/l	99
7) Trichlorofluoromethane	1.868	101	113846	49.37	ug/l	98
8) Diethyl Ether	2.130	74	41033	49.07	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.313	101	68044	48.84	ug/l	98
10) Methyl Iodide	2.441	142	66987	37.10	ug/l	99
11) Tert butyl alcohol	2.983	59	72655	242.67	ug/l	100
12) 1,1-Dichloroethene	2.307	96	65333	45.97	ug/l	97
13) Acrolein	2.233	56	42659	138.10	ug/l	98
14) Allyl chloride	2.654	41	122413	47.66	ug/l	98
15) Acrylonitrile	3.062	53	212123	265.35	ug/l	99
16) Acetone	2.380	43	200478	309.00	ug/l	96
17) Carbon Disulfide	2.502	76	160258	41.13	ug/l	100
18) Methyl Acetate	2.703	43	120447	58.83	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	217452	48.09	ug/l	99
20) Methylene Chloride	2.782	84	74184	46.68	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	64190	45.90	ug/l	94
22) Diisopropyl ether	3.757	45	243471	50.11	ug/l	99
23) Vinyl Acetate	3.715	43	981588	247.81	ug/l	99
24) 1,1-Dichloroethane	3.599	63	131695	48.44	ug/l	99
25) 2-Butanone	4.550	43	299771	284.54	ug/l	95
26) 2,2-Dichloropropane	4.465	77	99566	46.18	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	79480	47.31	ug/l	99
28) Bromochloromethane	4.885	49	55002	42.10	ug/l	100
29) Tetrahydrofuran	5.001	42	189117	270.33	ug/l	98
30) Chloroform	5.080	83	129019	48.94	ug/l	100
31) Cyclohexane	5.458	56	112320	44.81	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	107913	48.25	ug/l	99
36) 1,1-Dichloropropene	5.678	75	86064	48.61	ug/l	99
37) Ethyl Acetate	4.709	43	106808	54.24	ug/l	99
38) Carbon Tetrachloride	5.666	117	90290	52.04	ug/l	99
39) Methylcyclohexane	7.373	83	114932	50.21	ug/l	98
40) Benzene	6.025	78	275311	49.80	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
 Data File : VX045029.D
 Acq On : 25 Feb 2025 10:00
 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 02/26/2025
 Supervised By : Mahesh Dadoda 02/26/2025

Quant Time: Feb 25 11:55:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	61810	58.64	ug/l	97
42) 1,2-Dichloroethane	6.080	62	95145	54.00	ug/l	99
43) Isopropyl Acetate	6.336	43	174923	55.01	ug/l	98
44) Trichloroethene	7.117	130	63990	50.64	ug/l	100
45) 1,2-Dichloropropane	7.421	63	70881	51.54	ug/l	100
46) Dibromomethane	7.574	93	49809	52.22	ug/l	98
47) Bromodichloromethane	7.818	83	101512	54.96	ug/l	97
48) Methyl methacrylate	7.690	41	85683	57.15	ug/l	97
49) 1,4-Dioxane	7.659	88	35652	1108.26	ug/l	98
51) 4-Methyl-2-Pentanone	8.568	43	582884	301.51	ug/l	98
52) Toluene	8.714	92	166447	50.56	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	97264	52.04	ug/l	95
54) cis-1,3-Dichloropropene	8.360	75	108760	52.19	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	67253	53.14	ug/l	99
56) Ethyl methacrylate	9.110	69	110482	54.05	ug/l	97
57) 1,3-Dichloropropane	9.305	76	115405	52.11	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	283740	282.70	ug/l	100
59) 2-Hexanone	9.427	43	432517	310.51	ug/l	97
60) Dibromochloromethane	9.519	129	74430	54.99	ug/l	100
61) 1,2-Dibromoethane	9.604	107	68951	53.75	ug/l	97
64) Tetrachloroethene	9.269	164	52979	50.51	ug/l	97
65) Chlorobenzene	10.073	112	182394	51.05	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	60454	52.57	ug/l	99
67) Ethyl Benzene	10.189	91	320501	50.84	ug/l	100
68) m/p-Xylenes	10.299	106	239374	102.93	ug/l	99
69) o-Xylene	10.640	106	119076	51.03	ug/l	98
70) Styrene	10.653	104	199603	53.09	ug/l	98
71) Bromoform	10.799	173	49483	57.66	ug/l #	100
73) Isopropylbenzene	10.957	105	306035	49.54	ug/l	100
74) N-amyl acetate	10.842	43	147566	52.79	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	107060	50.43	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	96249m	56.58	ug/l	
77) Bromobenzene	11.195	156	71839	51.29	ug/l	97
78) n-propylbenzene	11.299	91	358862	50.33	ug/l	100
79) 2-Chlorotoluene	11.360	91	216519	49.41	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	253369	50.54	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	31017	46.91	ug/l	92
82) 4-Chlorotoluene	11.451	91	243811	50.29	ug/l	99
83) tert-Butylbenzene	11.713	119	257768	50.83	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	255246	51.59	ug/l	99
85) sec-Butylbenzene	11.890	105	322972	51.43	ug/l	100
86) p-Isopropyltoluene	12.006	119	265185	52.51	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	130550	50.69	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	130623	50.16	ug/l	99
89) n-Butylbenzene	12.329	91	241837	54.13	ug/l	100
90) Hexachloroethane	12.536	117	47494	50.23	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	131390	51.91	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21216	54.76	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	82426	53.82	ug/l	99
94) Hexachlorobutadiene	13.725	225	33272	54.72	ug/l	98
95) Naphthalene	13.774	128	297344	53.70	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	83085	53.83	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045029.D
Acq On : 25 Feb 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 25 11:55:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

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

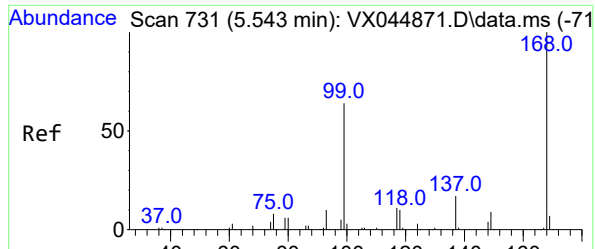
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#1
Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.544 min Scan# 71

Delta R.T. 0.001 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 11025

Ion Ratio Lower Upper

168 100

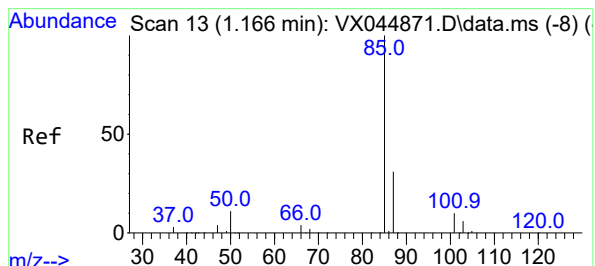
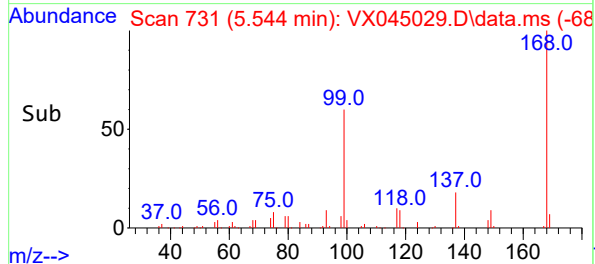
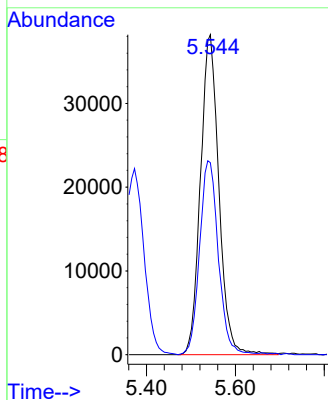
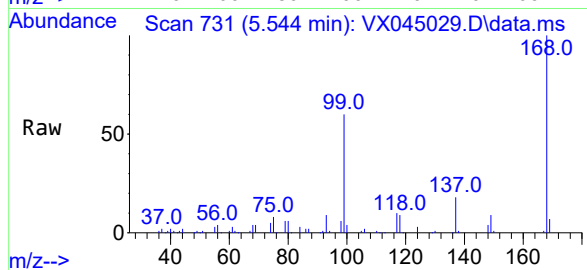
99 60.0 51.2 76.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#2

Dichlorodifluoromethane

Concen: 48.33 ug/l

RT: 1.166 min Scan# 13

Delta R.T. 0.000 min

Lab File: VX045029.D

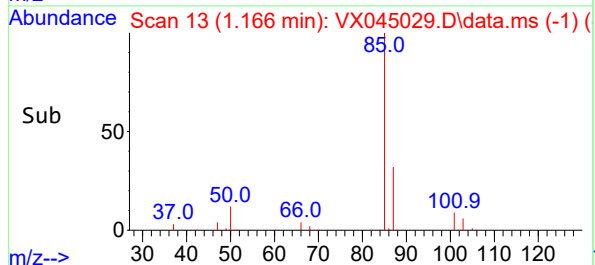
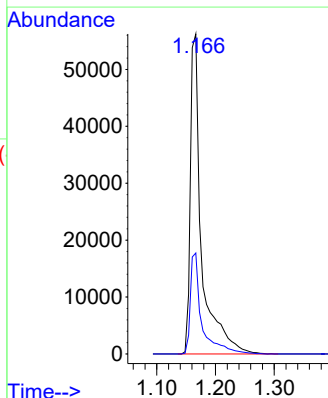
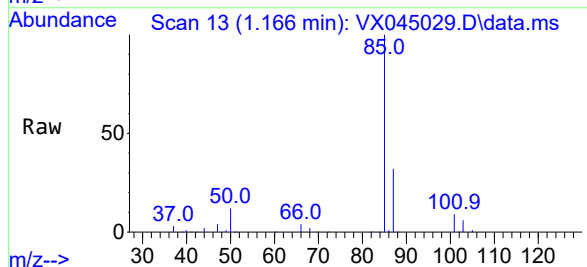
Acq: 25 Feb 2025 10:00

Tgt Ion: 85 Resp: 74727

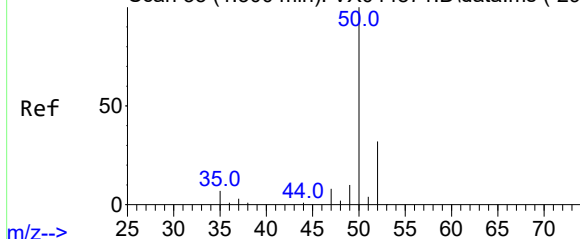
Ion Ratio Lower Upper

85 100

87 31.5 15.8 47.3



Abundance Scan 35 (1.300 min): VX044871.D\data.ms (-29)



#3

Chloromethane

Concen: 43.64 ug/l

RT: 1.301 min Scan# 3

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 82134

Ion Ratio Lower Upper

50 100

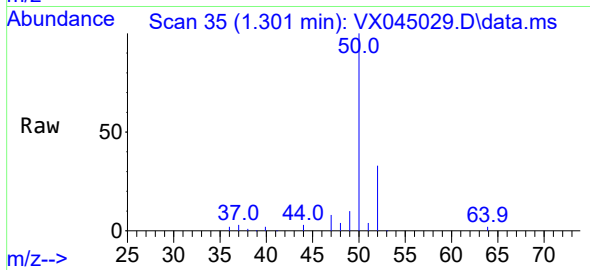
52 32.9 25.9 38.9

Manual Integrations

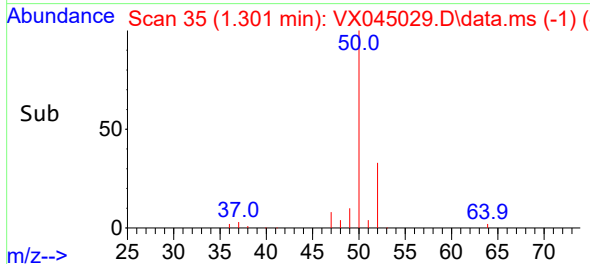
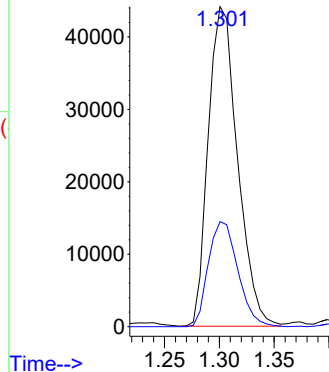
APPROVED

Reviewed By :John Carlone 02/26/2025

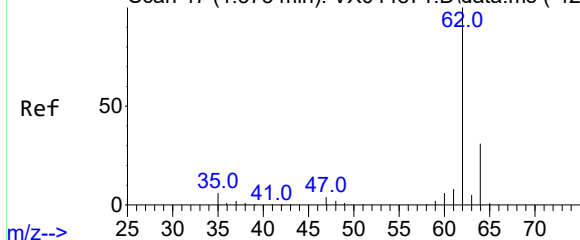
Supervised By :Mahesh Dadoda 02/26/2025



Abundance



Abundance Scan 47 (1.373 min): VX044871.D\data.ms (-42)



#4

Vinyl Chloride

Concen: 44.26 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX045029.D

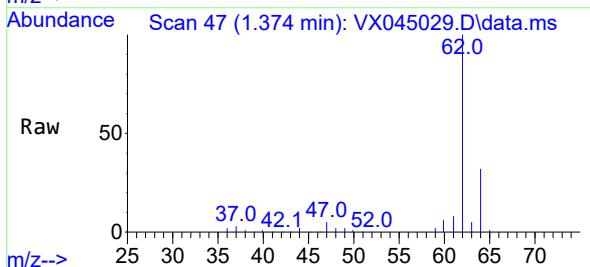
Acq: 25 Feb 2025 10:00

Tgt Ion: 62 Resp: 80701

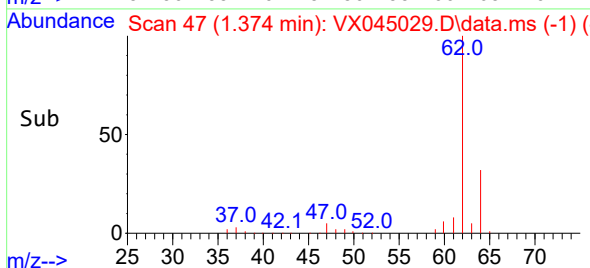
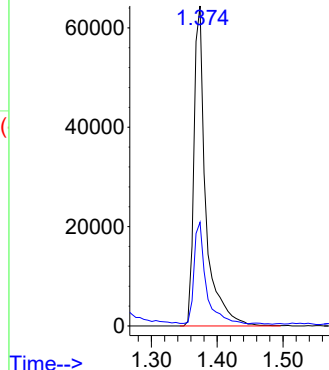
Ion Ratio Lower Upper

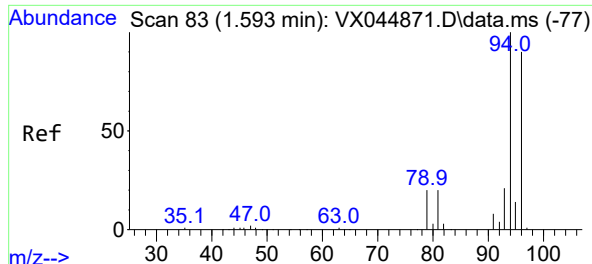
62 100

64 31.7 25.4 38.0



Abundance





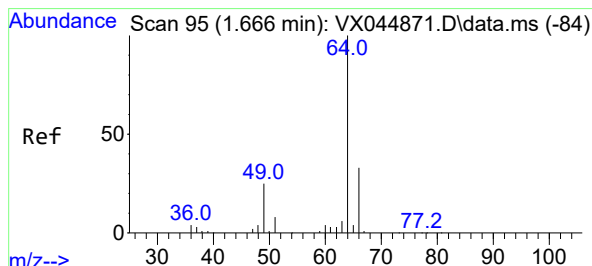
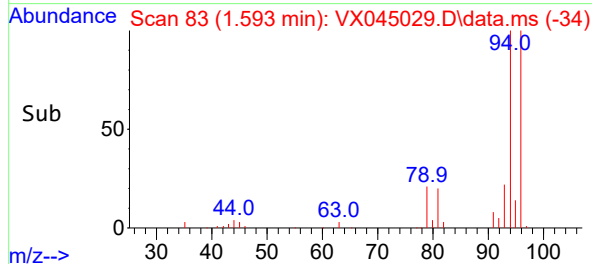
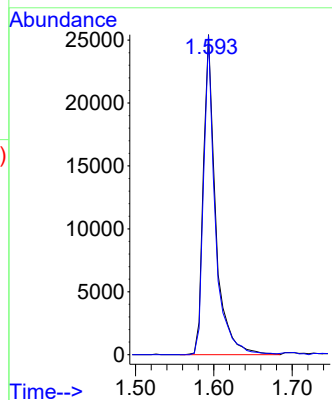
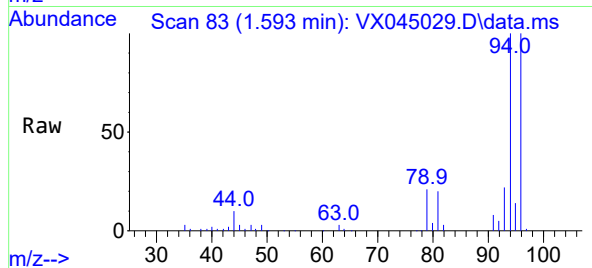
#5
Bromomethane
Concen: 50.86 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 27748
Ion Ratio Lower Upper
94 100
96 99.7 71.6 107.4

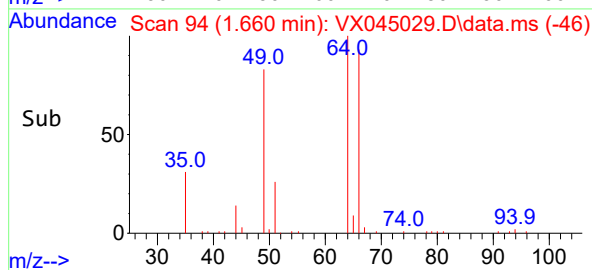
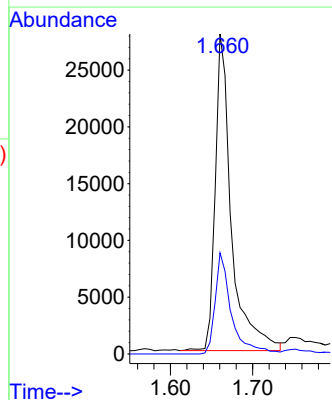
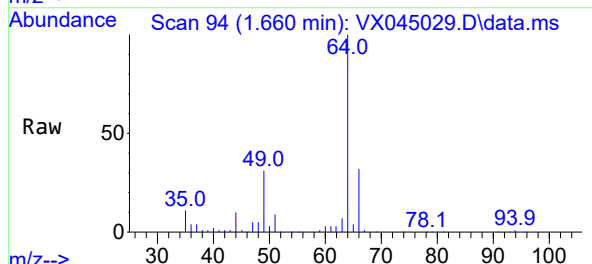
Manual Integrations
APPROVED

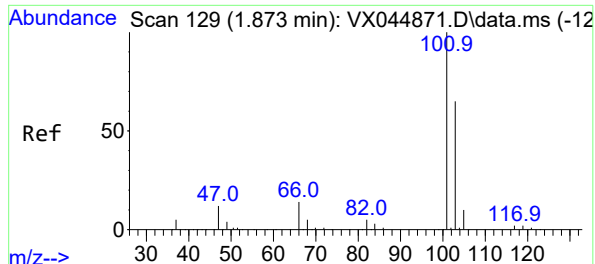
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#6
Chloroethane
Concen: 54.93 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 64 Resp: 38111
Ion Ratio Lower Upper
64 100
66 31.9 25.9 38.9





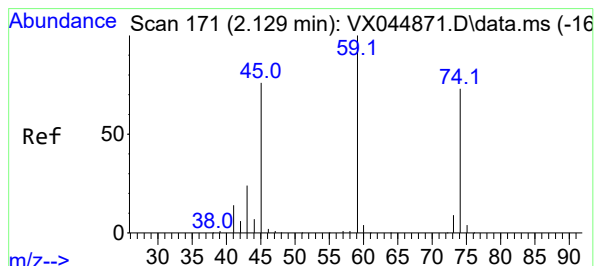
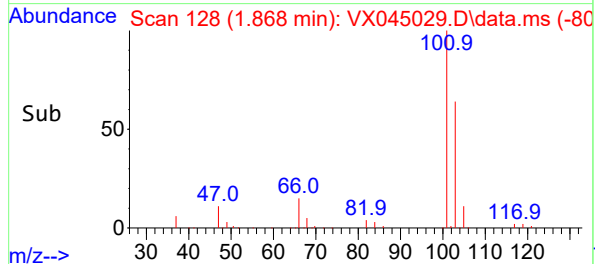
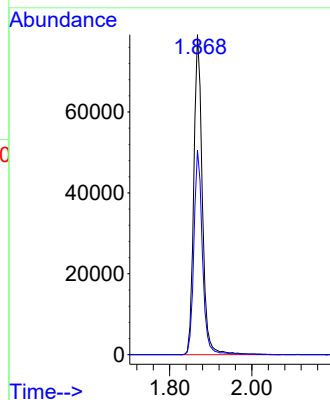
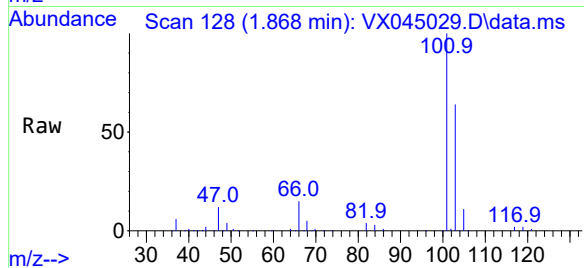
#7
Trichlorofluoromethane
Concen: 49.37 ug/l
RT: 1.868 min Scan# 11
Delta R.T. -0.005 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 11384
Ion Ratio Lower Upper
101 100
103 63.9 52.4 78.6

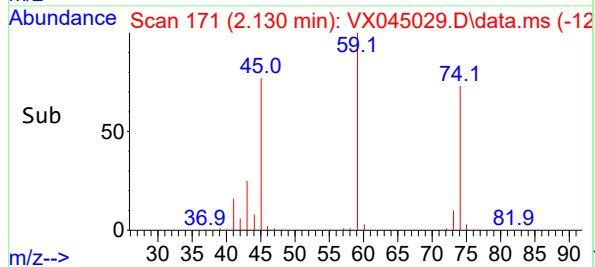
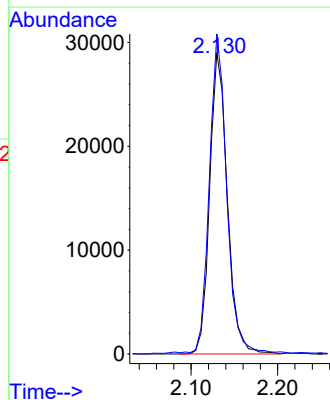
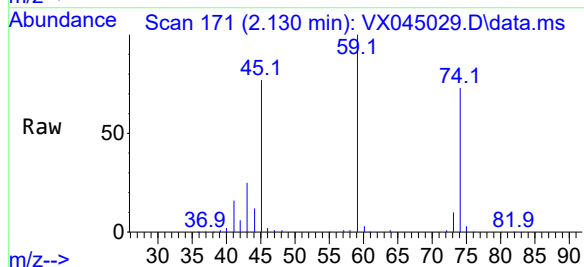
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

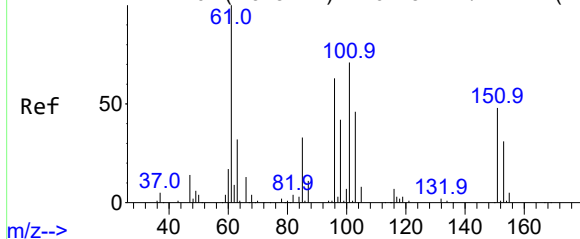


#8
Diethyl Ether
Concen: 49.07 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 74 Resp: 41033
Ion Ratio Lower Upper
74 100
45 103.9 51.1 153.4



Abundance Scan 202 (2.318 min): VX044871.D\data.ms (-19



#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.84 ug/l

RT: 2.313 min Scan# 201

Delta R.T. -0.006 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

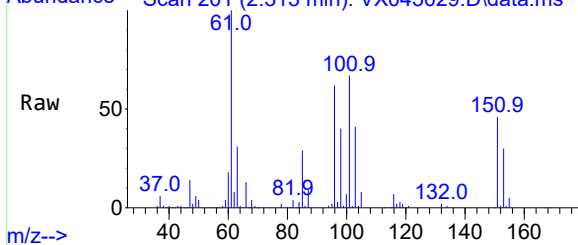
Instrument :

MSVOA_X

ClientSampleId :

VSTDC050

m/z--> Abundance Scan 201 (2.313 min): VX045029.D\data.ms



Tgt Ion:	101	Resp:	6804
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.7	53.5
151	71.8	56.0	84.0

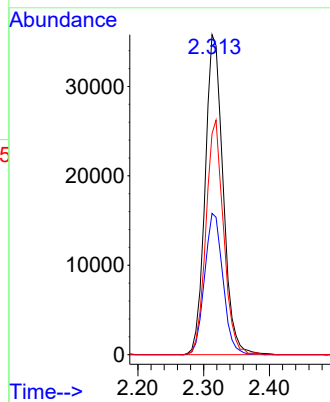
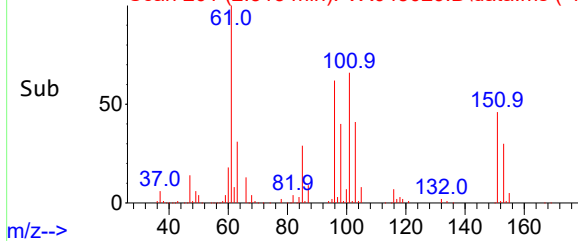
Manual Integrations

APPROVED

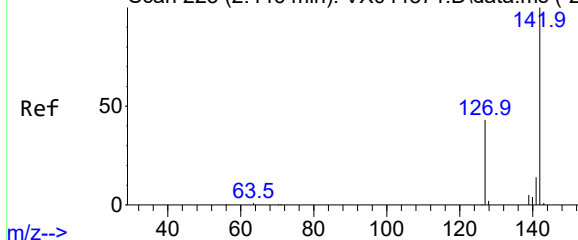
Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025

Abundance Scan 201 (2.313 min): VX045029.D\data.ms (-15



Abundance Scan 223 (2.446 min): VX044871.D\data.ms (-21



#10

Methyl Iodide

Concen: 37.10 ug/l

RT: 2.441 min Scan# 222

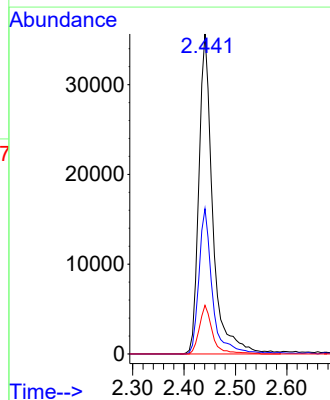
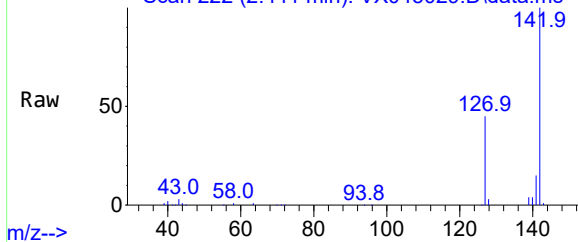
Delta R.T. -0.006 min

Lab File: VX045029.D

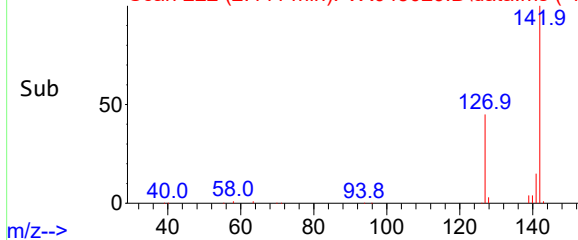
Acq: 25 Feb 2025 10:00

Tgt Ion:	142	Resp:	66987
Ion Ratio	Lower	Upper	
142	100		
127	44.0	34.3	51.5
141	14.4	11.4	17.2

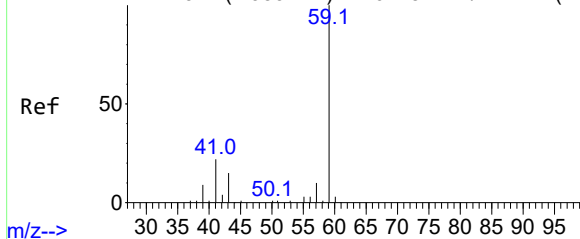
m/z--> Abundance Scan 222 (2.441 min): VX045029.D\data.ms



Abundance Scan 222 (2.441 min): VX045029.D\data.ms (-17



Abundance Scan 311 (2.983 min): VX044871.D\data.ms (-29



#11

Tert butyl alcohol

Concen: 242.67 ug/l

RT: 2.983 min Scan# 311

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 7265

Ion Ratio Lower Upper

59 100

57 10.2 8.1 12.1

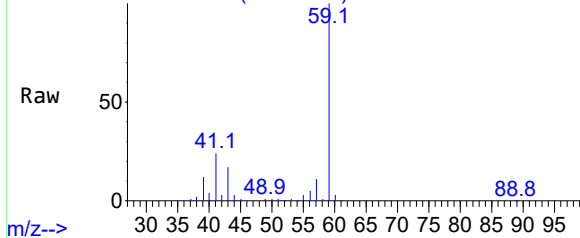
Manual Integrations

APPROVED

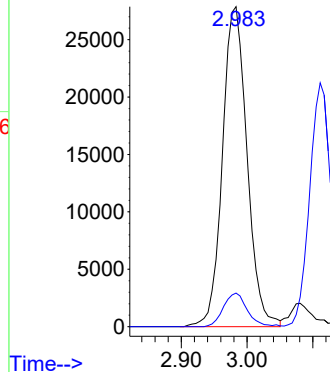
Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025

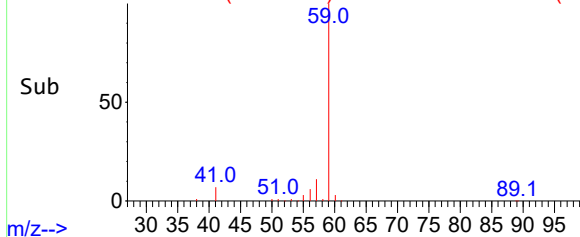
Abundance Scan 311 (2.983 min): VX045029.D\data.ms



Abundance

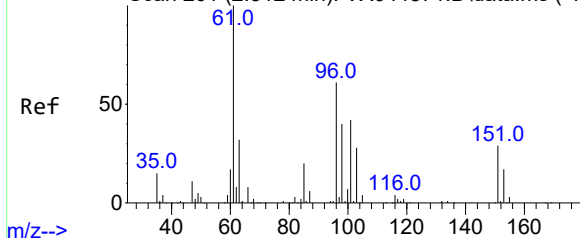


Abundance Scan 311 (2.983 min): VX045029.D\data.ms (-26



Time-->

Abundance Scan 201 (2.312 min): VX044871.D\data.ms (-19



#12

1,1-Dichloroethene

Concen: 45.97 ug/l

RT: 2.307 min Scan# 200

Delta R.T. -0.006 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Tgt Ion: 96 Resp: 65333

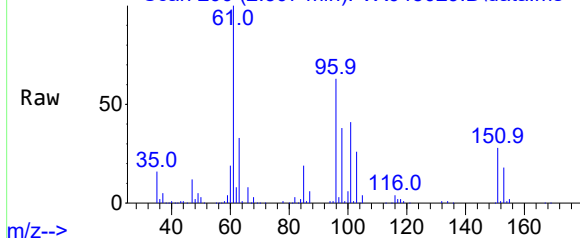
Ion Ratio Lower Upper

96 100

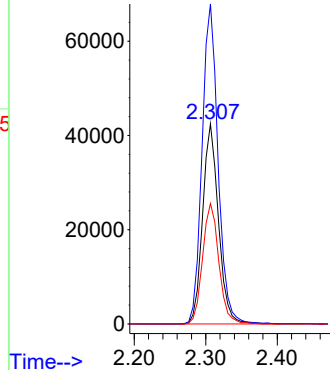
61 159.8 130.2 195.4

98 60.2 52.2 78.4

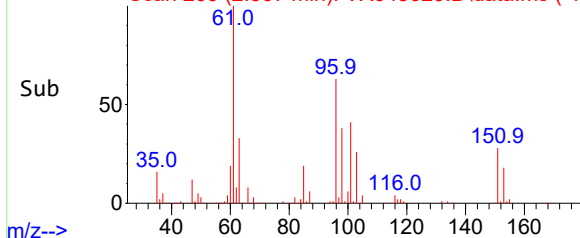
Abundance Scan 200 (2.307 min): VX045029.D\data.ms



Abundance

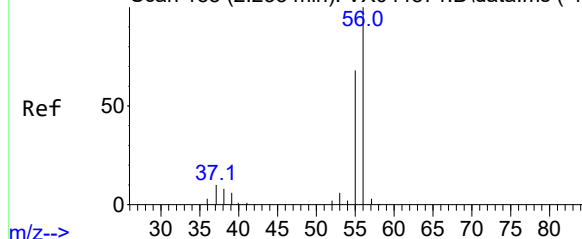


Abundance Scan 200 (2.307 min): VX045029.D\data.ms (-15



Time-->

Abundance Scan 188 (2.233 min): VX044871.D\data.ms (-18



#13

Acrolein

Concen: 138.10 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

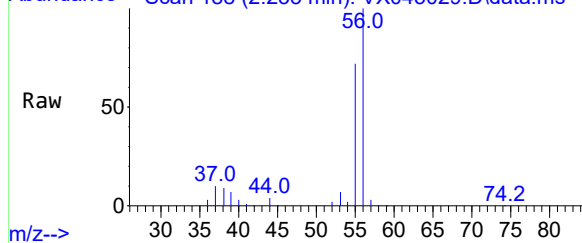
Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Abundance Scan 188 (2.233 min): VX045029.D\data.ms



Tgt Ion: 56 Resp: 42659

Ion Ratio Lower Upper

56 100

55 71.6 55.7 83.5

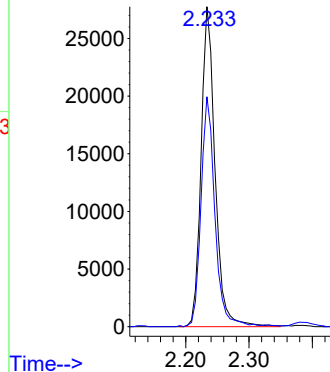
Manual Integrations

APPROVED

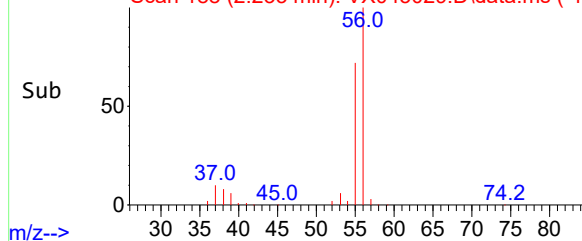
Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025

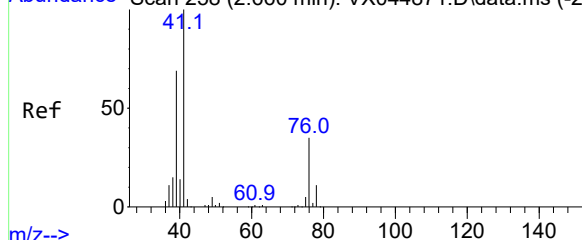
Abundance



Abundance Scan 188 (2.233 min): VX045029.D\data.ms (-13



Abundance Scan 258 (2.660 min): VX044871.D\data.ms (-24



#14

Allyl chloride

Concen: 47.66 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.006 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Tgt Ion: 41 Resp: 122413

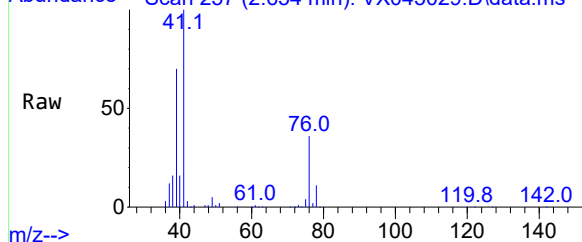
Ion Ratio Lower Upper

41 100

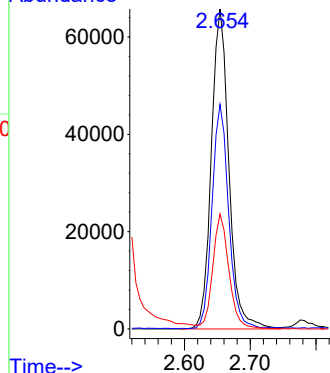
39 66.3 51.4 77.2

76 33.1 27.0 40.4

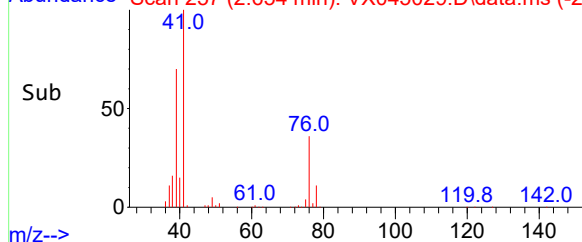
Abundance Scan 257 (2.654 min): VX045029.D\data.ms

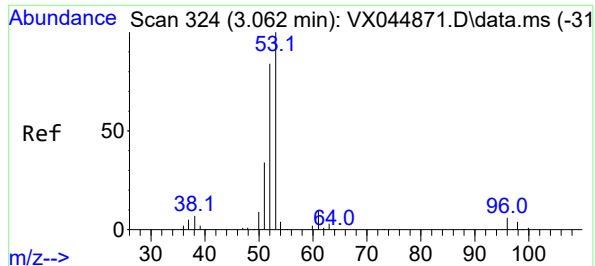


Abundance



Abundance Scan 257 (2.654 min): VX045029.D\data.ms (-20





#15

Acrylonitrile

Concen: 265.35 ug/l

RT: 3.062 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

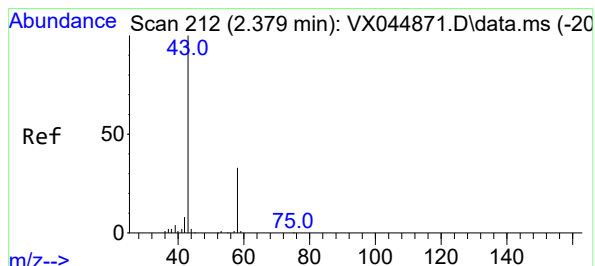
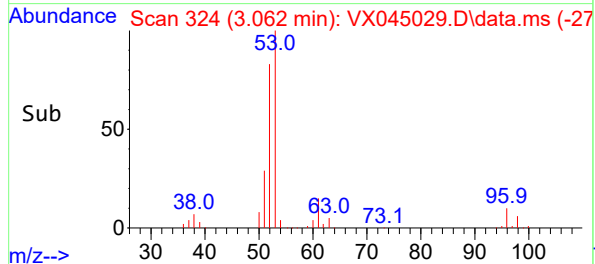
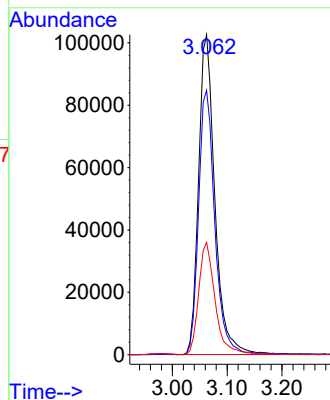
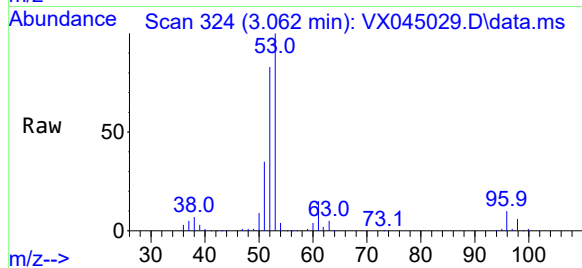
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	21212
Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.0	97.6
51	35.5	28.0	42.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#16

Acetone

Concen: 309.00 ug/l

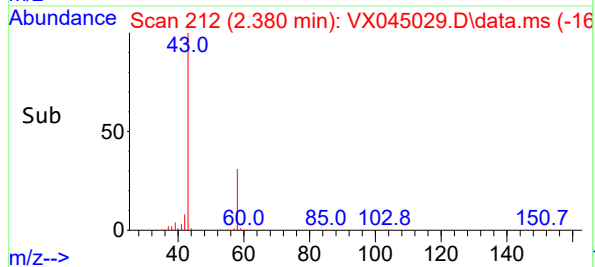
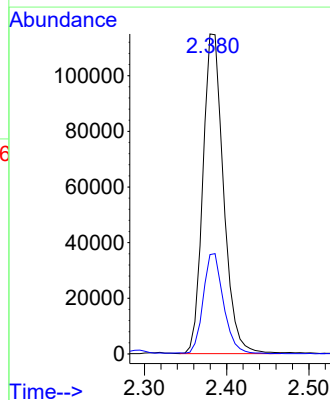
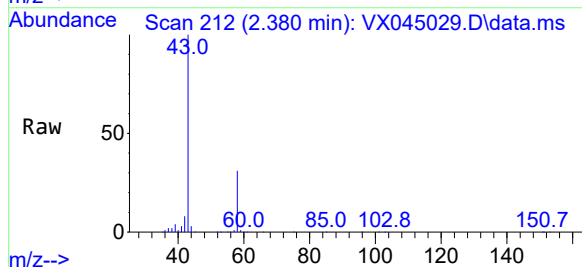
RT: 2.380 min Scan# 212

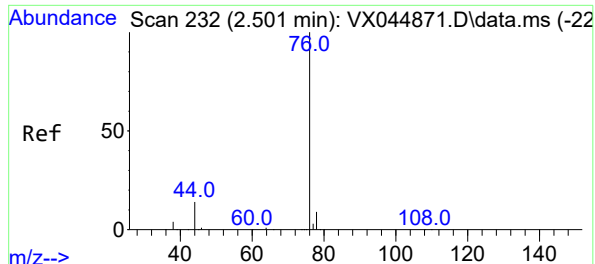
Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Tgt Ion:	43	Resp:	200478
Ion	Ratio	Lower	Upper
43	100		
58	30.9	26.5	39.7





#17

Carbon Disulfide

Concen: 41.13 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 160258

Ion Ratio Lower Upper

76 100

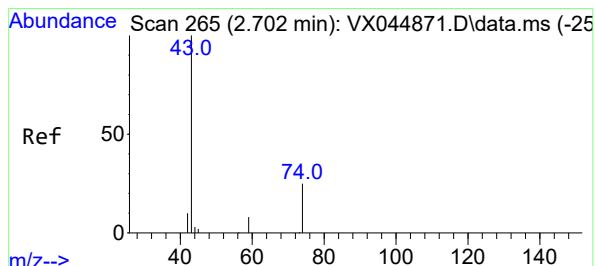
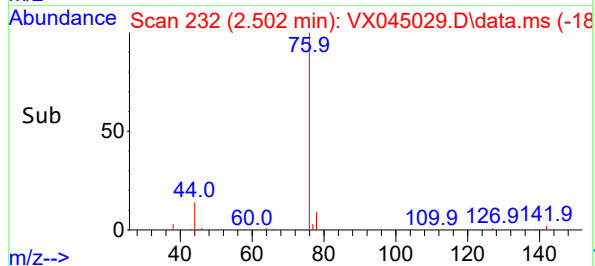
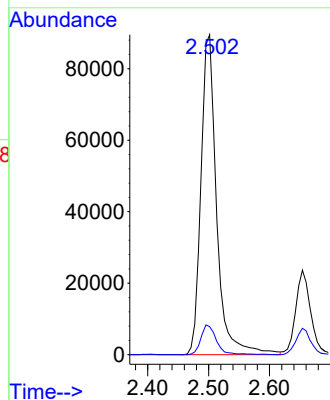
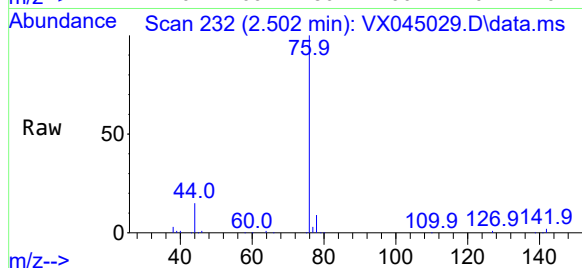
78 8.7 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#18

Methyl Acetate

Concen: 58.83 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX045029.D

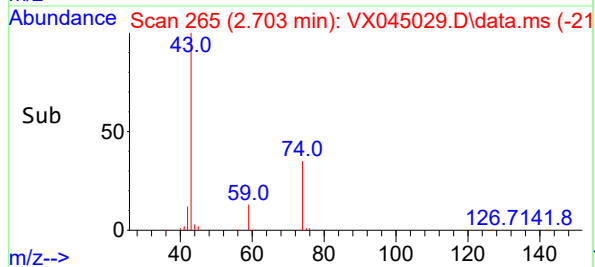
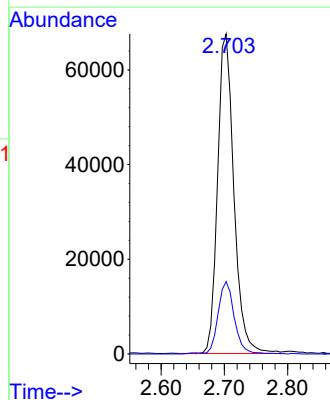
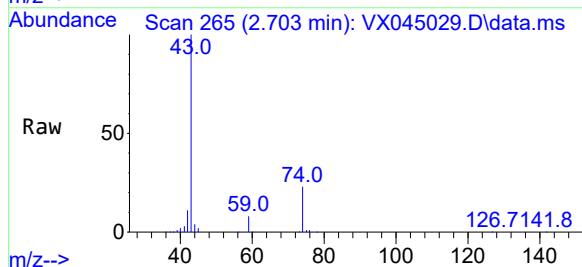
Acq: 25 Feb 2025 10:00

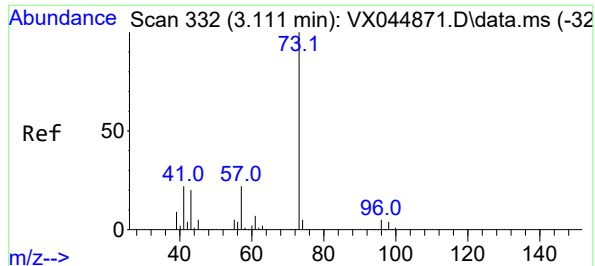
Tgt Ion: 43 Resp: 120447

Ion Ratio Lower Upper

43 100

74 22.5 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 48.09 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 21745

Ion Ratio Lower Upper

73 100

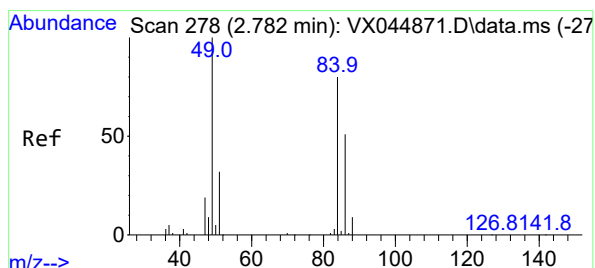
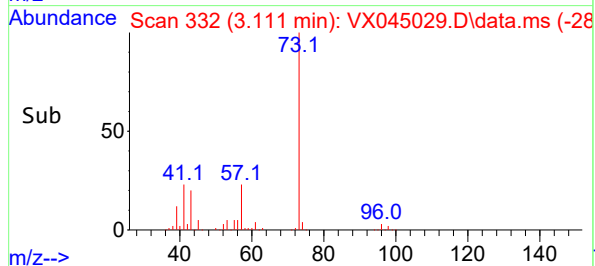
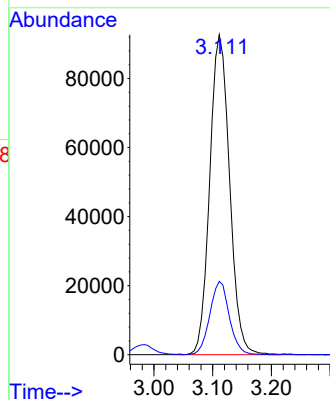
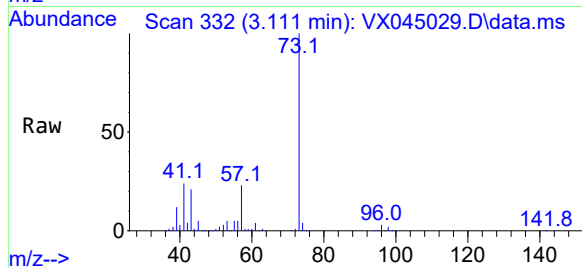
57 22.9 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#20

Methylene Chloride

Concen: 46.68 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Tgt Ion: 84 Resp: 74184

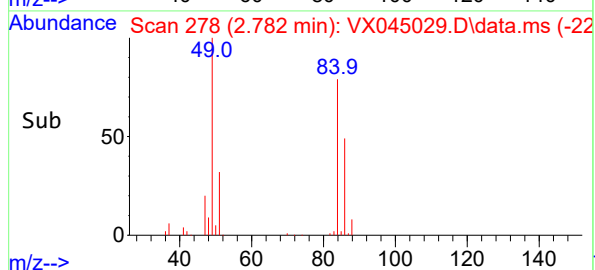
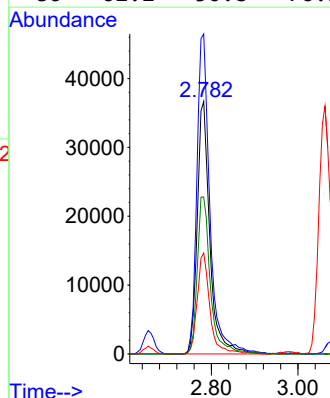
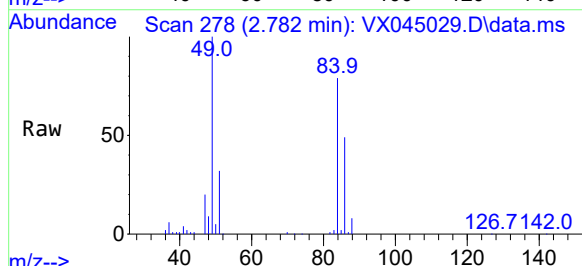
Ion Ratio Lower Upper

84 100

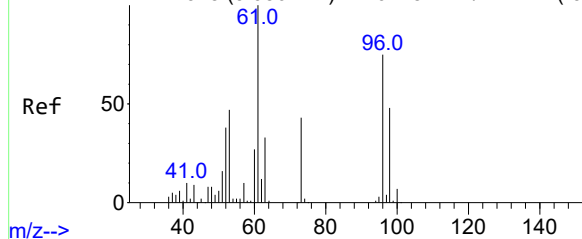
49 126.8 100.1 150.1

51 40.0 31.7 47.5

86 62.2 50.8 76.2



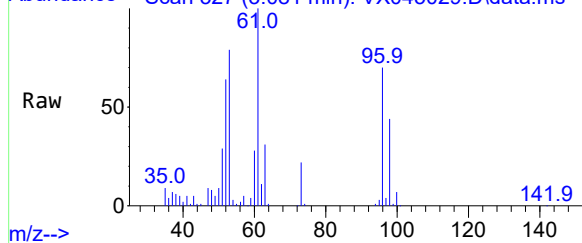
Abundance Scan 328 (3.086 min): VX044871.D\data.ms (-31



#21
trans-1,2-Dichloroethene
Concen: 45.90 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Abundance Scan 327 (3.081 min): VX045029.D\data.ms

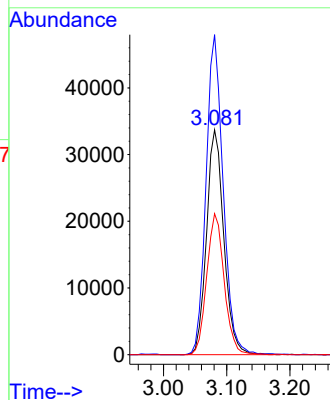
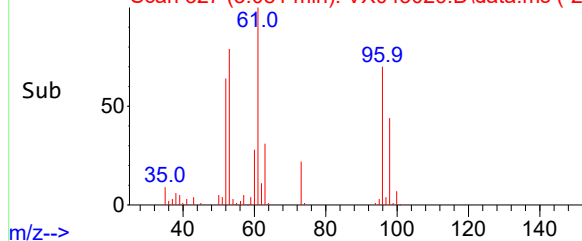


Tgt Ion: 96 Resp: 64190
Ion Ratio Lower Upper
96 100
61 142.3 106.0 159.0
98 62.7 50.6 76.0

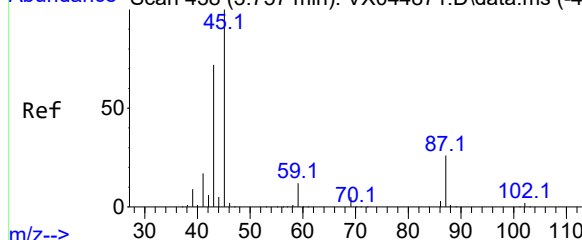
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Abundance Scan 327 (3.081 min): VX045029.D\data.ms (-27



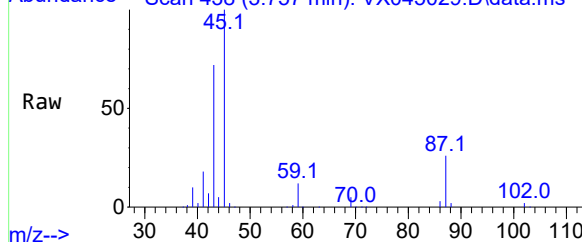
Abundance Scan 438 (3.757 min): VX044871.D\data.ms (-42



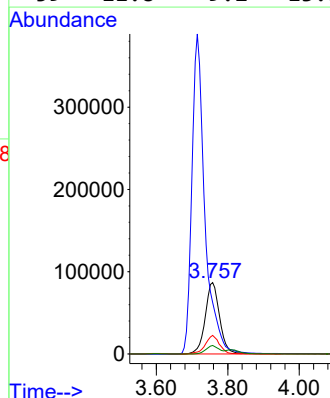
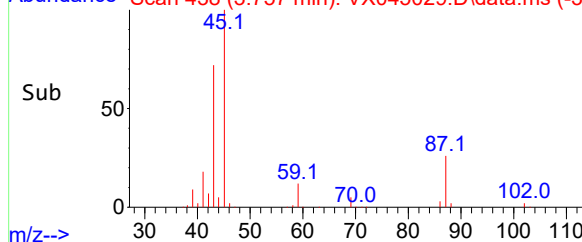
#22
Diisopropyl ether
Concen: 50.11 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 45 Resp: 243471
Ion Ratio Lower Upper
45 100
43 71.9 58.0 87.0
87 26.0 20.7 31.1
59 11.8 9.2 13.8

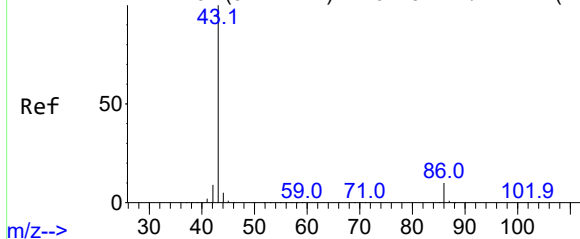
Abundance Scan 438 (3.757 min): VX045029.D\data.ms



Abundance Scan 438 (3.757 min): VX045029.D\data.ms (-38



Abundance Scan 431 (3.714 min): VX044871.D\data.ms (-42



#23

Vinyl Acetate

Concen: 247.81 ug/l

RT: 3.715 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 98158

Ion Ratio Lower Upper

43 100

86 9.9 8.3 12.5

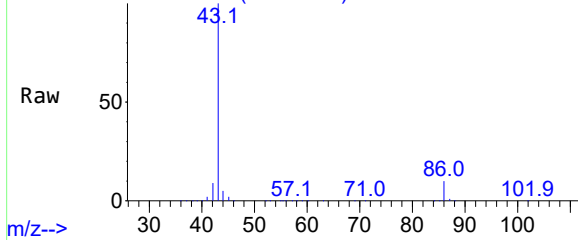
Manual Integrations

APPROVED

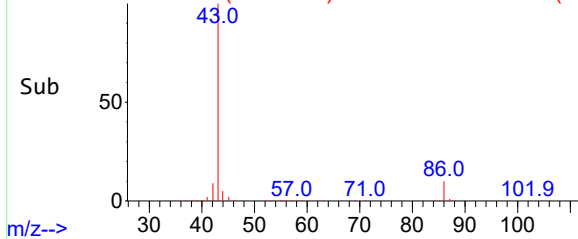
Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025

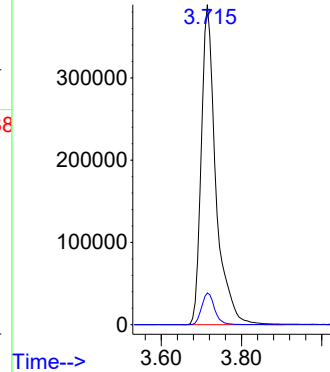
Abundance Scan 431 (3.715 min): VX045029.D\data.ms



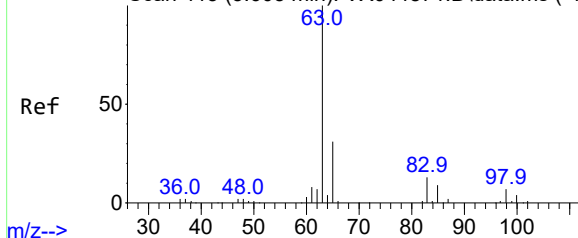
Abundance Scan 431 (3.715 min): VX045029.D\data.ms (-38



Abundance



Abundance Scan 413 (3.605 min): VX044871.D\data.ms (-40



#24

1,1-Dichloroethane

Concen: 48.44 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.006 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Tgt Ion: 63 Resp: 131695

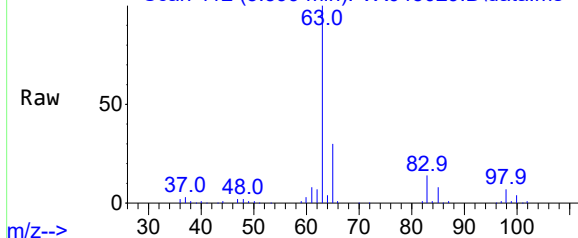
Ion Ratio Lower Upper

63 100

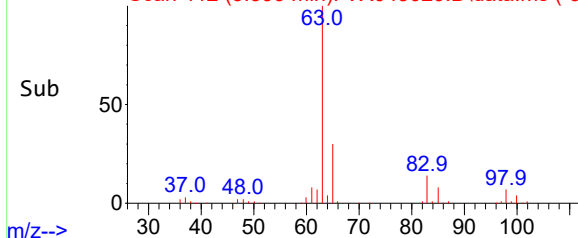
98 7.1 3.3 9.9

100 3.9 2.1 6.5

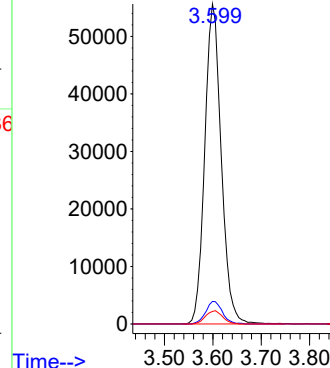
Abundance Scan 412 (3.599 min): VX045029.D\data.ms

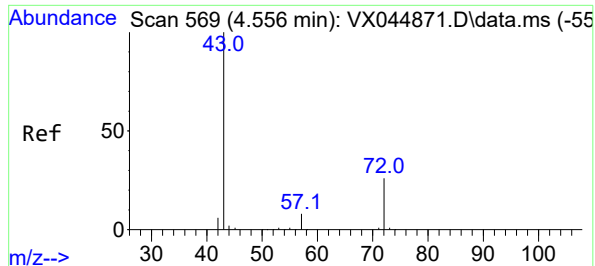


Abundance Scan 412 (3.599 min): VX045029.D\data.ms (-36



Abundance





#25

2-Butanone

Concen: 284.54 ug/l

RT: 4.550 min Scan# 50

Delta R.T. -0.006 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 29977

Ion Ratio Lower Upper

43 100

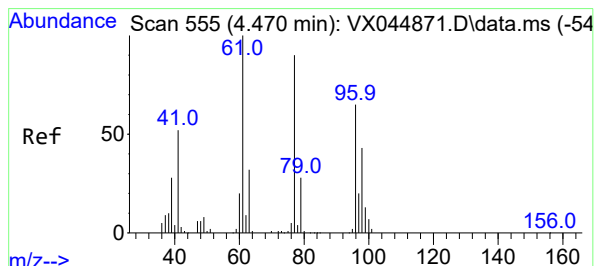
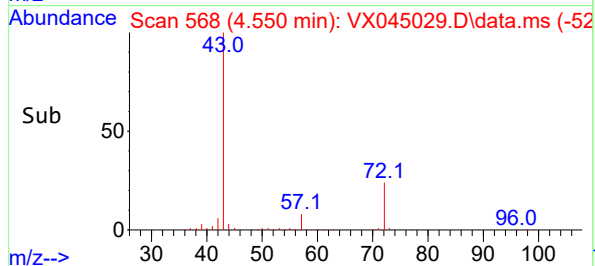
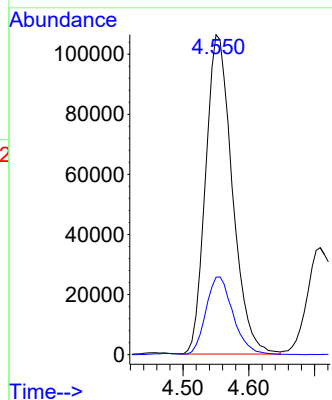
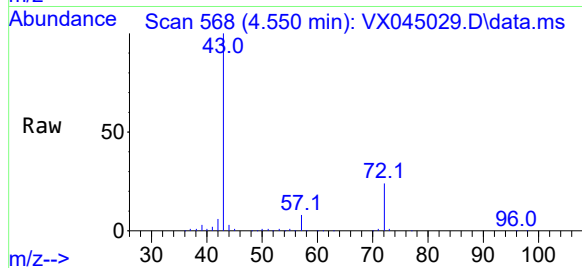
72 24.1 21.2 31.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#26

2,2-Dichloropropane

Concen: 46.18 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.006 min

Lab File: VX045029.D

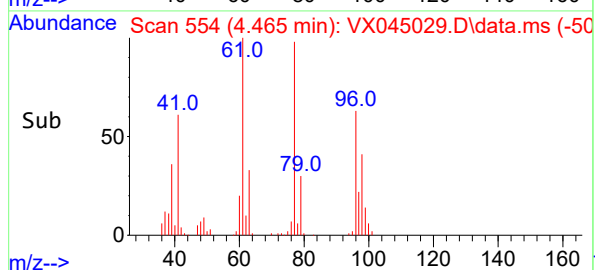
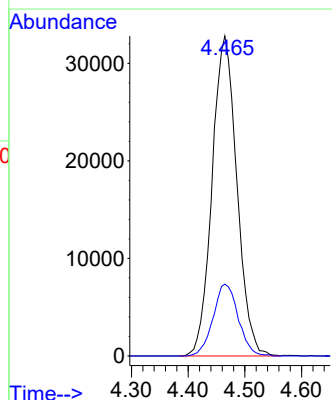
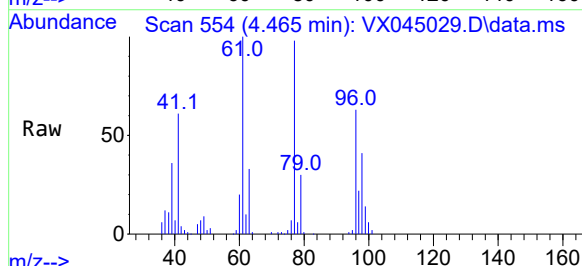
Acq: 25 Feb 2025 10:00

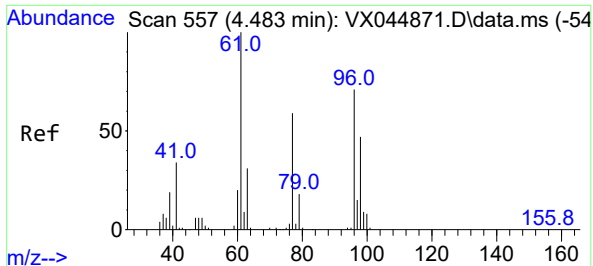
Tgt Ion: 77 Resp: 99566

Ion Ratio Lower Upper

77 100

97 22.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 47.31 ug/l

RT: 4.477 min Scan# 557

Delta R.T. -0.006 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDC050

Tgt Ion: 96 Resp: 79480

Ion Ratio Lower Upper

96 100

61 147.0 0.0 294.0

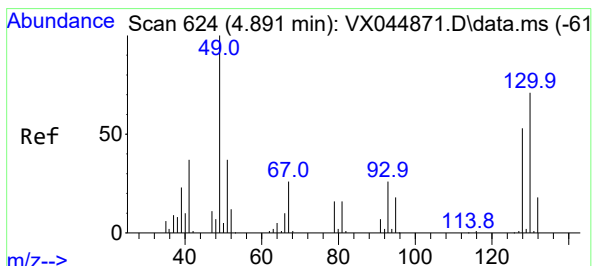
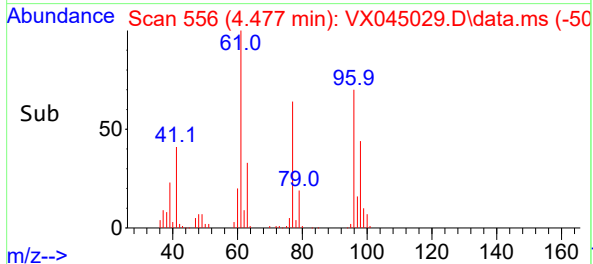
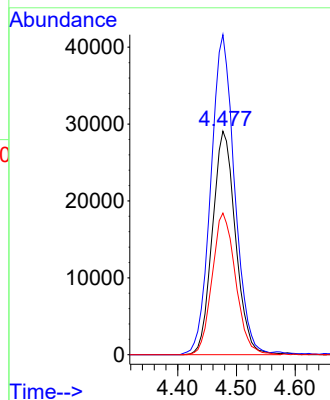
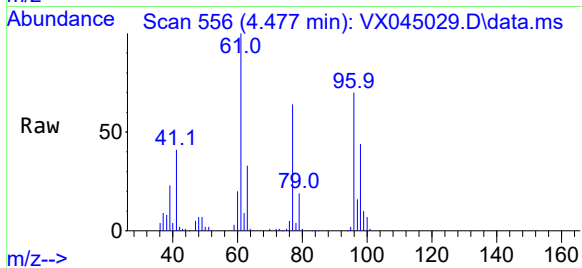
98 64.2 0.0 131.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#28

Bromochloromethane

Concen: 42.10 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.006 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

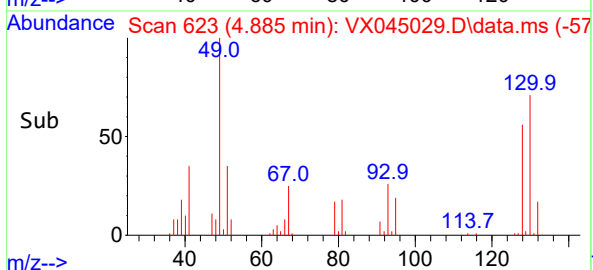
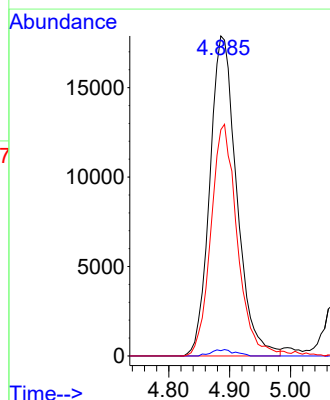
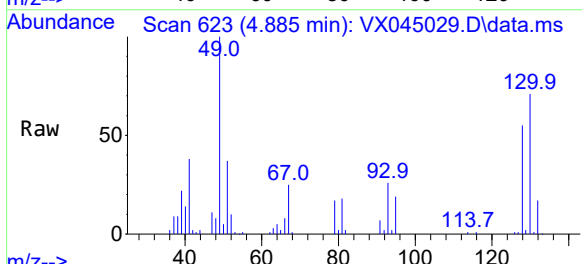
Tgt Ion: 49 Resp: 55002

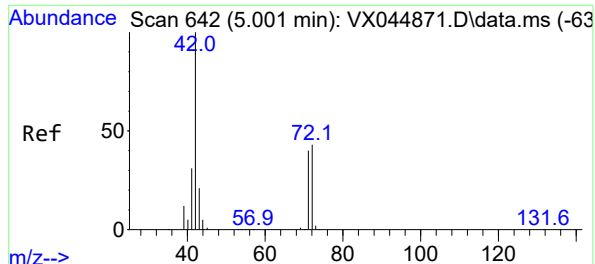
Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.6

130 70.9 56.7 85.1





#29

Tetrahydrofuran

Concen: 270.33 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 18911

Ion Ratio Lower Upper

42 100

72 42.7 35.0 52.4

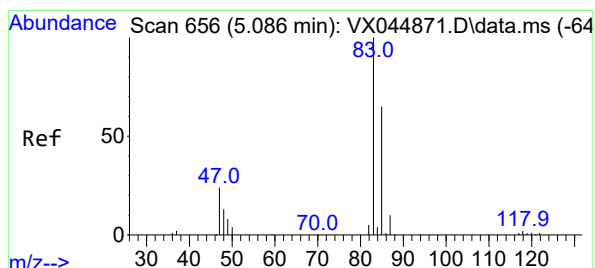
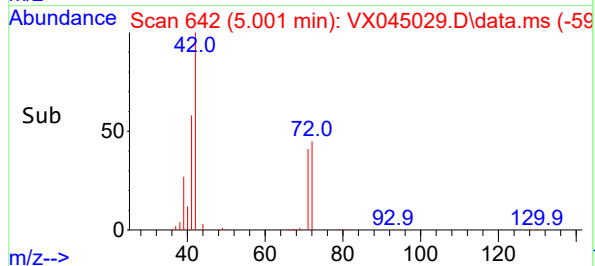
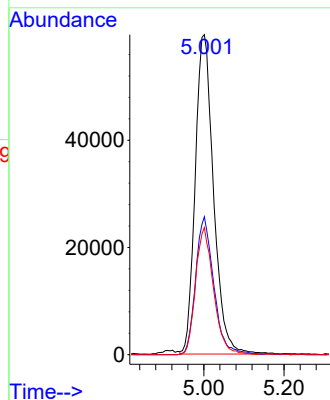
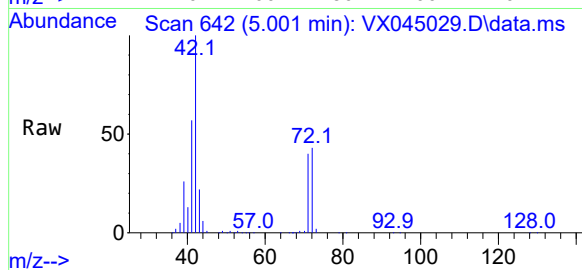
71 39.0 32.6 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#30

Chloroform

Concen: 48.94 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.006 min

Lab File: VX045029.D

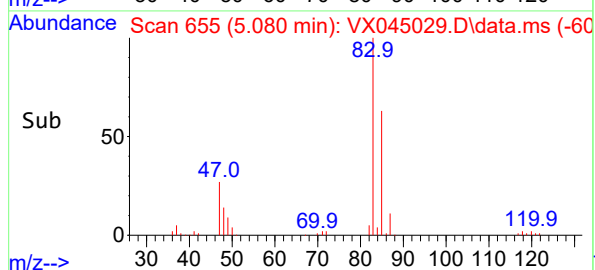
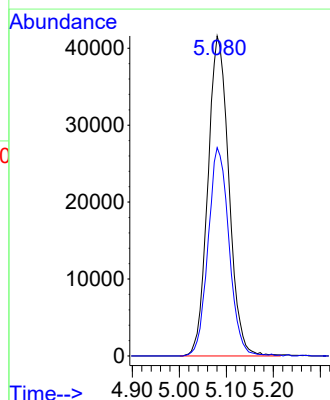
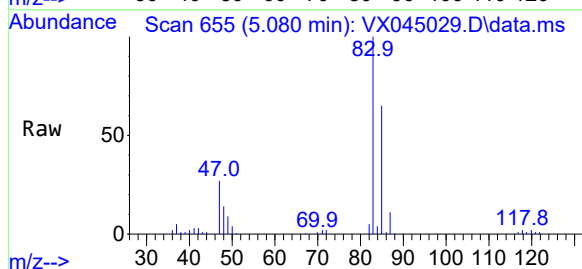
Acq: 25 Feb 2025 10:00

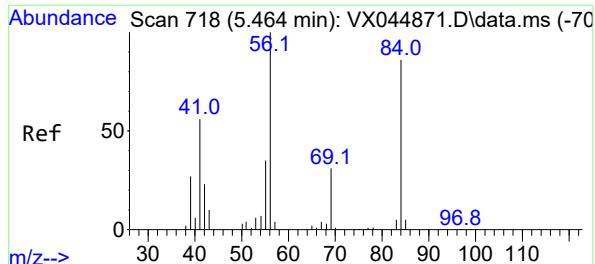
Tgt Ion: 83 Resp: 129019

Ion Ratio Lower Upper

83 100

85 65.1 52.1 78.1





#31

Cyclohexane

Concen: 44.81 ug/l

RT: 5.458 min Scan# 718

Delta R.T. -0.006 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 112320

Ion Ratio Lower Upper

56 100

69 28.2 24.4 36.6

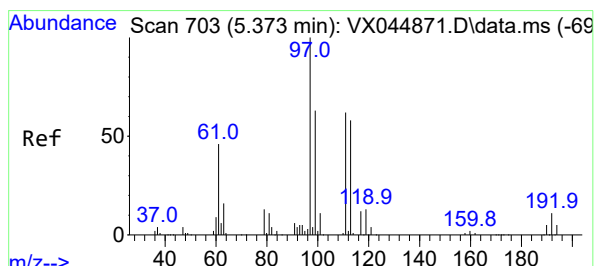
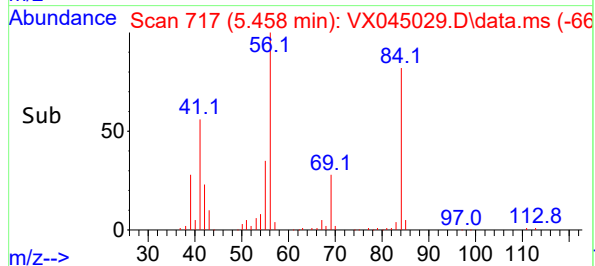
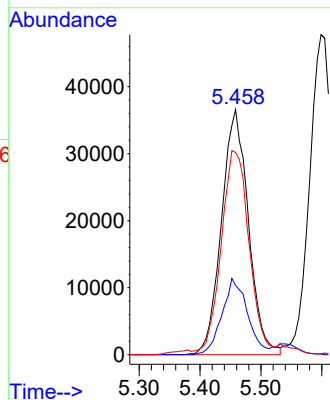
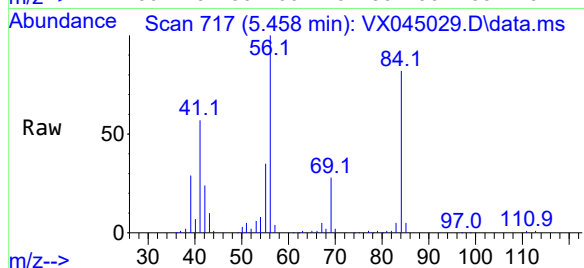
84 80.8 69.0 103.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#32

1,1,1-Trichloroethane

Concen: 48.25 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

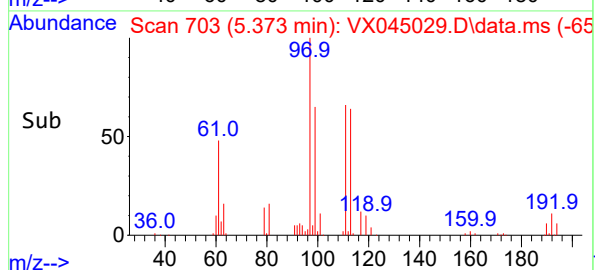
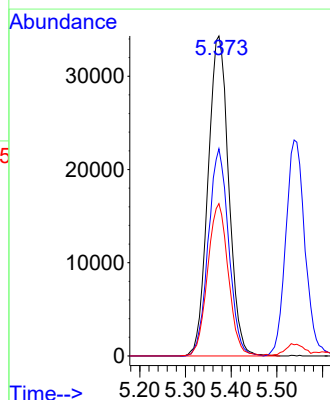
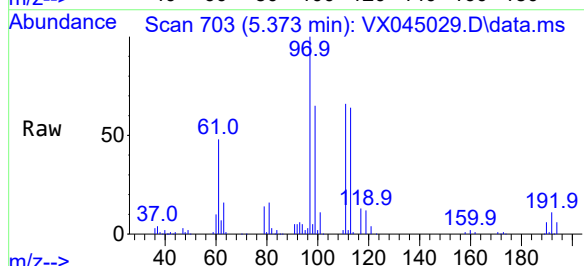
Tgt Ion: 97 Resp: 107913

Ion Ratio Lower Upper

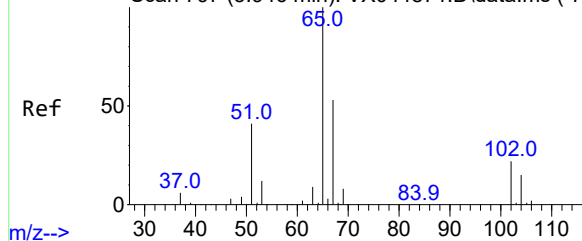
97 100

99 63.7 51.0 76.6

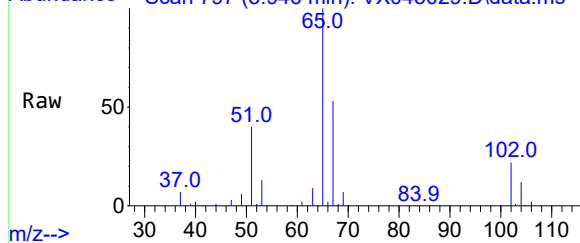
61 47.7 36.6 55.0



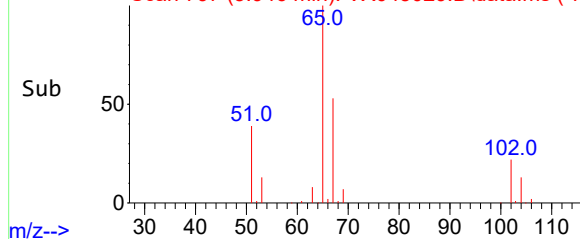
Abundance Scan 797 (5.946 min): VX044871.D\data.ms (-78



m/z--> Abundance Scan 797 (5.946 min): VX045029.D\data.ms



m/z--> Abundance Scan 797 (5.946 min): VX045029.D\data.ms (-74



m/z-->

#33

1,2-Dichloroethane-d4

Concen: 50.33 ug/l

RT: 5.946 min Scan# 79

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Tgt Ion: 65 Resp: 81234

Ion Ratio Lower Upper

65 100

67 54.0 0.0 108.2

Instrument :

MSVOA_X

ClientSampleId :

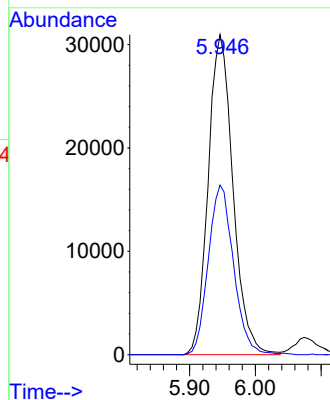
VSTDCCC050

Manual Integrations

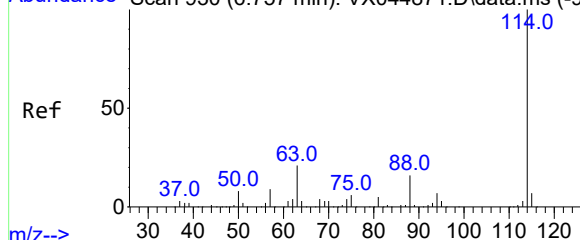
APPROVED

Reviewed By :John Carlone 02/26/2025

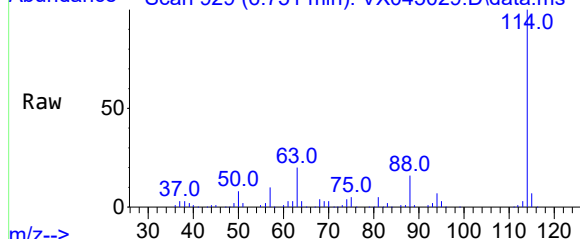
Supervised By :Mahesh Dadoda 02/26/2025



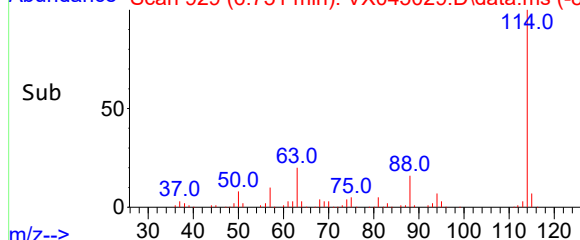
Abundance Scan 930 (6.757 min): VX044871.D\data.ms (-92



m/z--> Abundance Scan 929 (6.751 min): VX045029.D\data.ms



m/z--> Abundance Scan 929 (6.751 min): VX045029.D\data.ms (-88



m/z-->

#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

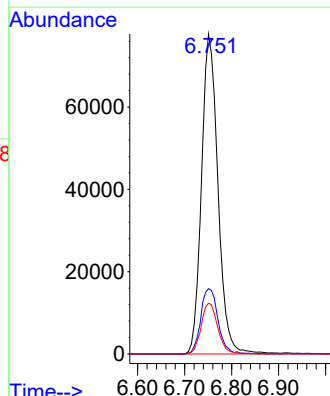
Tgt Ion:114 Resp: 188741

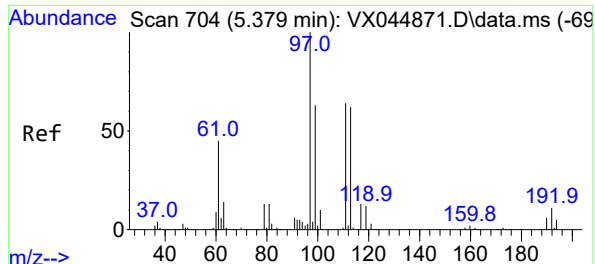
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.4

88 15.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.58 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:113 Resp: 6575

Ion Ratio Lower Upper

113 100

111 103.5 83.5 125.3

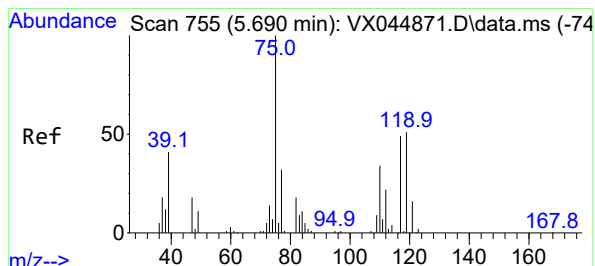
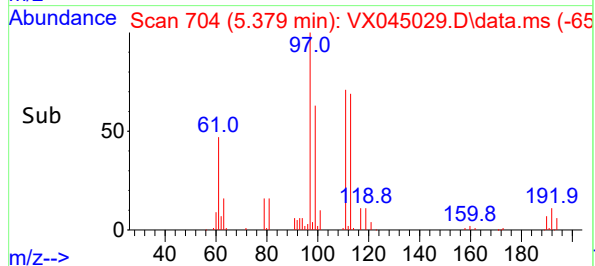
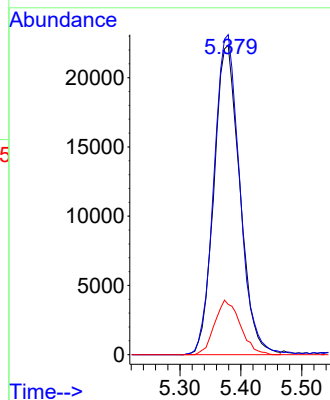
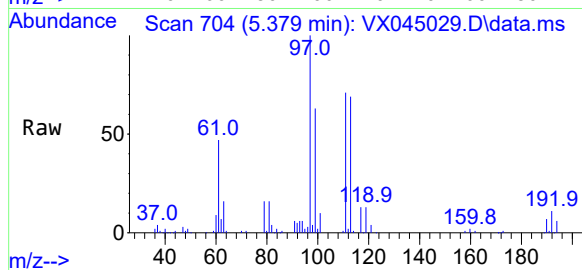
192 17.5 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#36

1,1-Dichloropropene

Concen: 48.61 ug/l

RT: 5.678 min Scan# 753

Delta R.T. -0.012 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

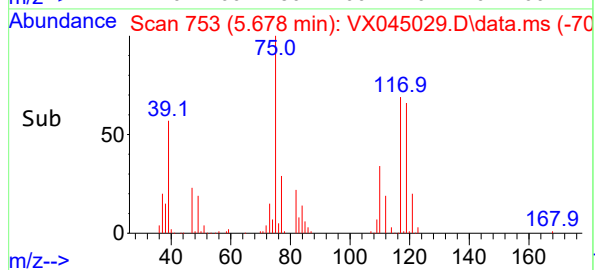
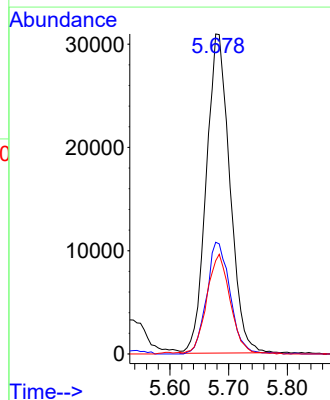
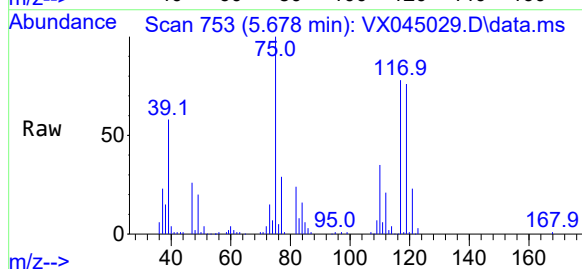
Tgt Ion: 75 Resp: 86064

Ion Ratio Lower Upper

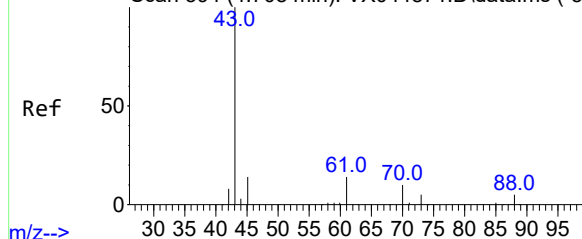
75 100

110 34.9 17.2 51.6

77 31.3 24.6 37.0



Abundance Scan 594 (4.708 min): VX044871.D\data.ms (-58



#37

Ethyl Acetate

Concen: 54.24 ug/l

RT: 4.709 min Scan# 594

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

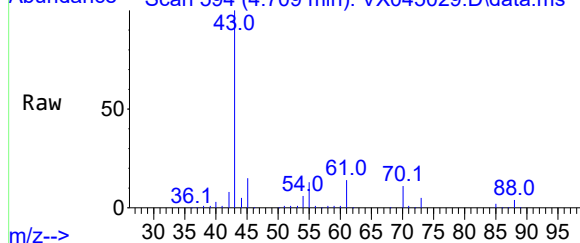
Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Abundance Scan 594 (4.709 min): VX045029.D\data.ms



Tgt Ion: 43 Resp: 106808

Ion Ratio Lower Upper

43 100

61 13.2 11.0 16.4

70 10.1 8.2 12.2

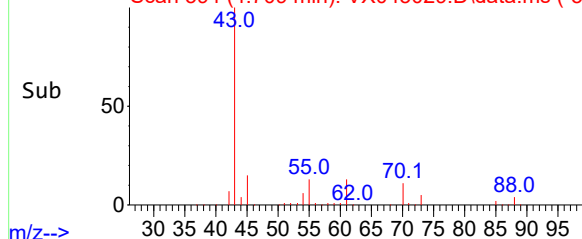
Manual Integrations

APPROVED

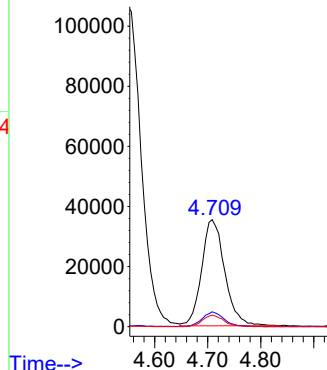
Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025

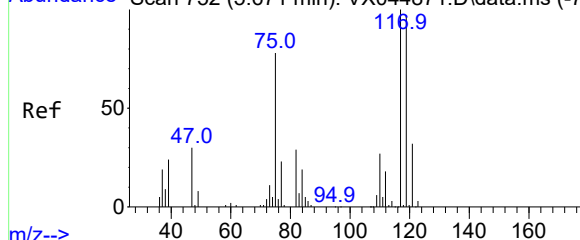
Abundance Scan 594 (4.709 min): VX045029.D\data.ms (-54



Abundance



Abundance Scan 752 (5.671 min): VX044871.D\data.ms (-74



#38

Carbon Tetrachloride

Concen: 52.04 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Tgt Ion:117 Resp: 90290

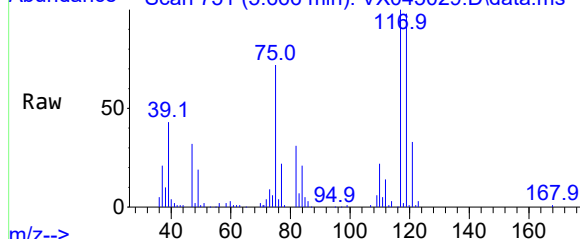
Ion Ratio Lower Upper

117 100

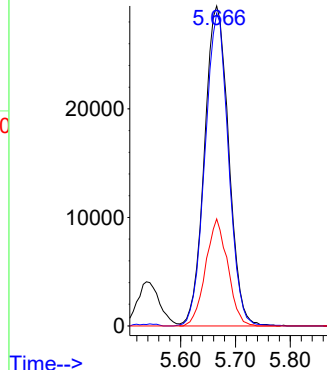
119 97.5 77.5 116.3

121 33.4 25.6 38.4

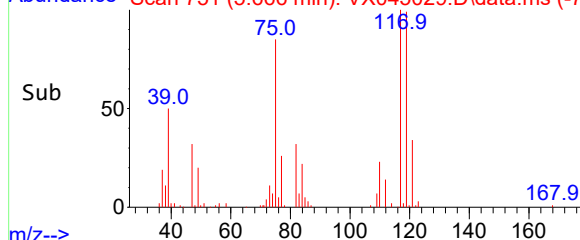
Abundance Scan 751 (5.666 min): VX045029.D\data.ms

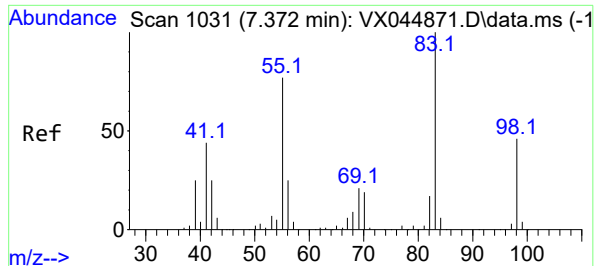


Abundance



Abundance Scan 751 (5.666 min): VX045029.D\data.ms (-70





#39

Methylcyclohexane

Concen: 50.21 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 11493

Ion Ratio Lower Upper

83 100

55 78.0 61.3 91.9

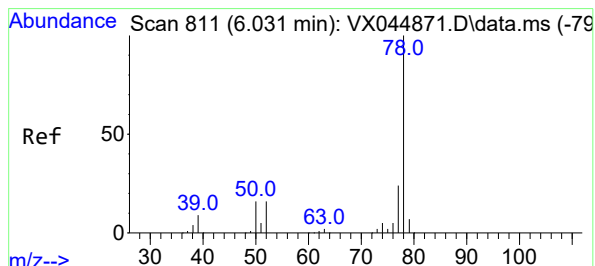
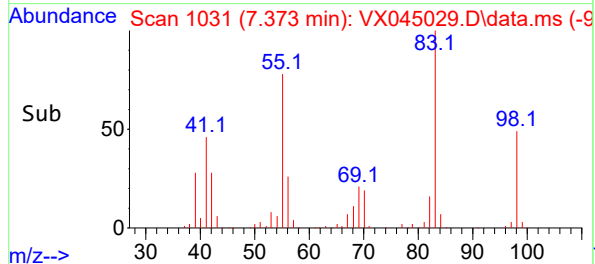
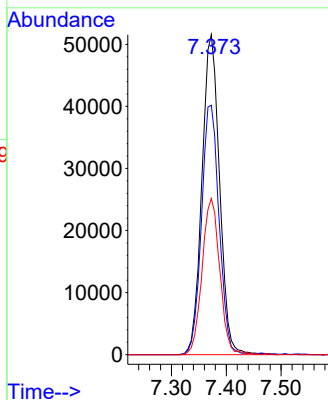
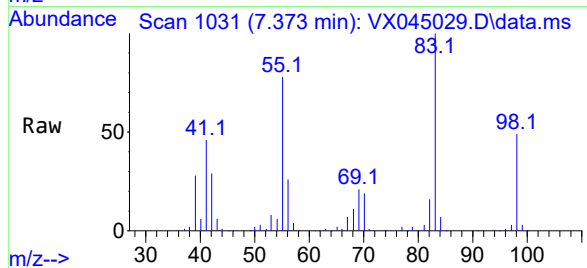
98 48.8 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#40

Benzene

Concen: 49.80 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX045029.D

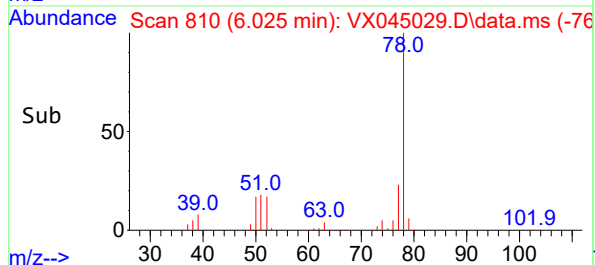
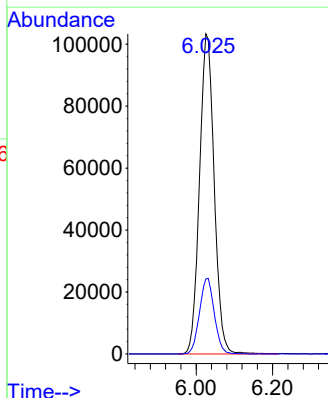
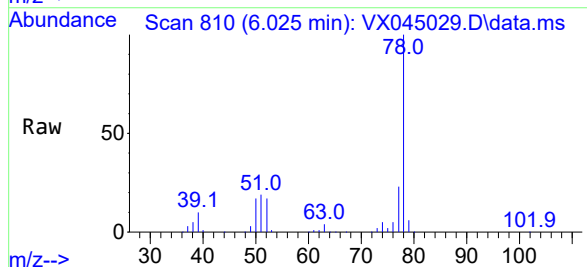
Acq: 25 Feb 2025 10:00

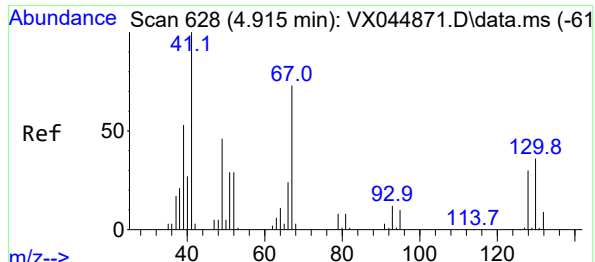
Tgt Ion: 78 Resp: 275311

Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.6





#41

Methacrylonitrile

Concen: 58.64 ug/l

RT: 4.916 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 61810

Ion Ratio Lower Upper

41 100

39 57.1 43.1 64.7

67 69.7 57.0 85.6

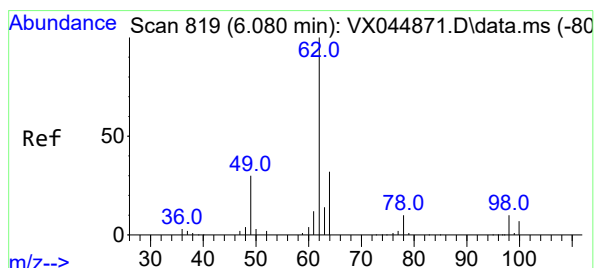
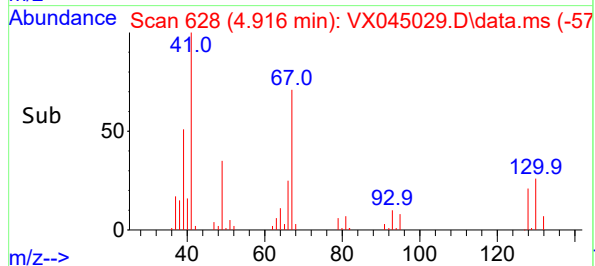
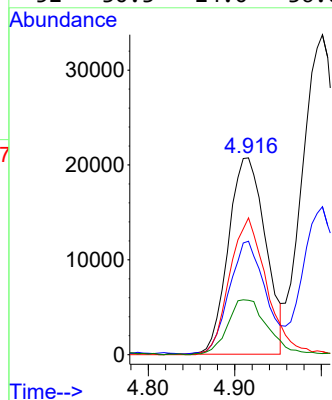
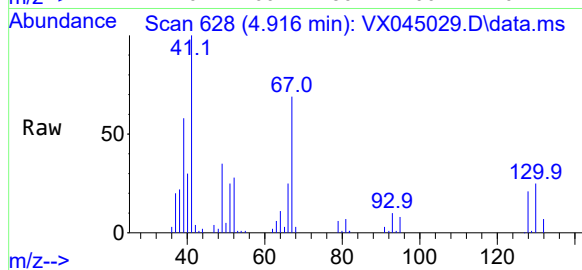
52 30.3 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#42

1,2-Dichloroethane

Concen: 54.00 ug/l

RT: 6.080 min Scan# 819

Delta R.T. 0.000 min

Lab File: VX045029.D

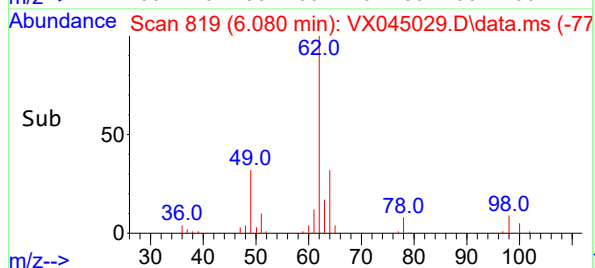
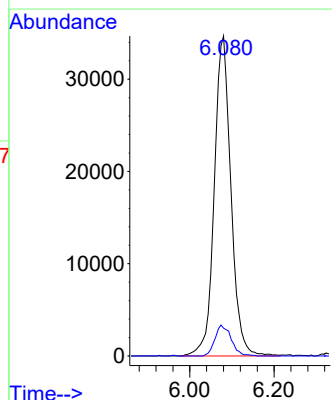
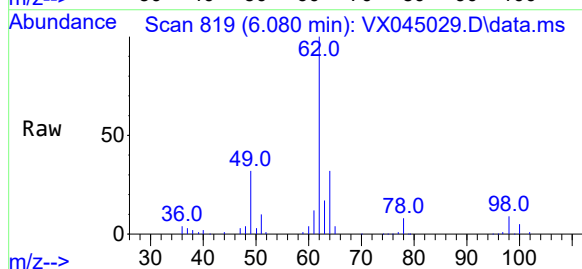
Acq: 25 Feb 2025 10:00

Tgt Ion: 62 Resp: 95145

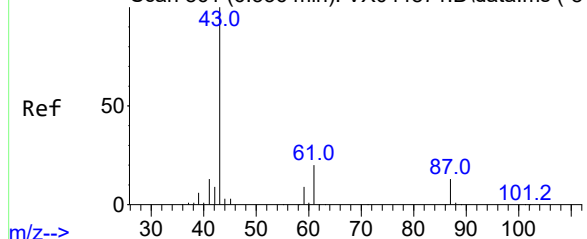
Ion Ratio Lower Upper

62 100

98 9.4 0.0 19.4



Abundance Scan 861 (6.336 min): VX044871.D\data.ms (-84



#43

Isopropyl Acetate

Concen: 55.01 ug/l

RT: 6.336 min Scan# 861

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

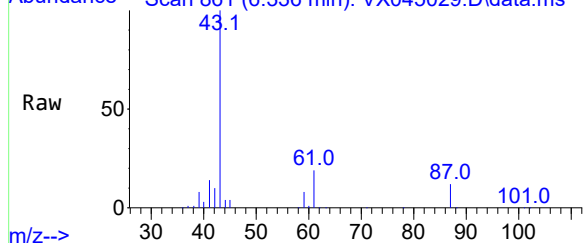
Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Abundance Scan 861 (6.336 min): VX045029.D\data.ms



Tgt Ion: 43 Resp: 17492

Ion Ratio Lower Upper

43 100

61 18.9 15.8 23.8

87 12.2 10.0 15.0

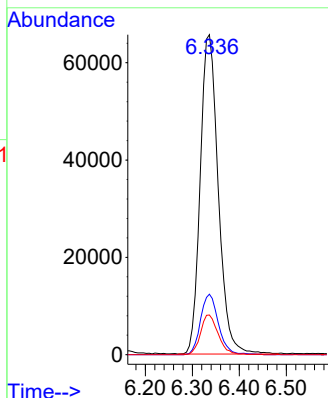
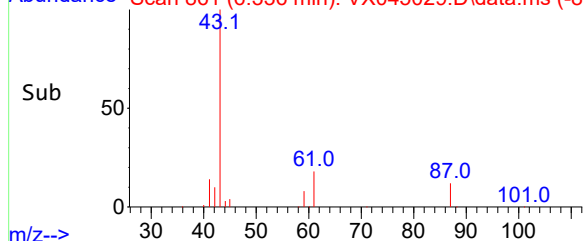
Manual Integrations

APPROVED

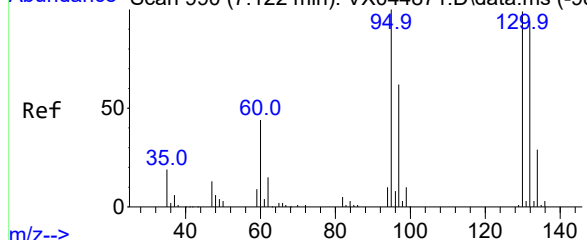
Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025

Abundance Scan 861 (6.336 min): VX045029.D\data.ms (-81



Abundance Scan 990 (7.122 min): VX044871.D\data.ms (-98



#44

Trichloroethene

Concen: 50.64 ug/l

RT: 7.117 min Scan# 989

Delta R.T. -0.006 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

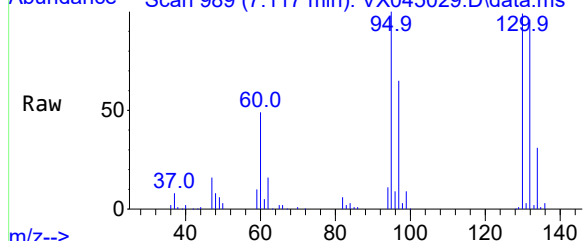
Tgt Ion:130 Resp: 63990

Ion Ratio Lower Upper

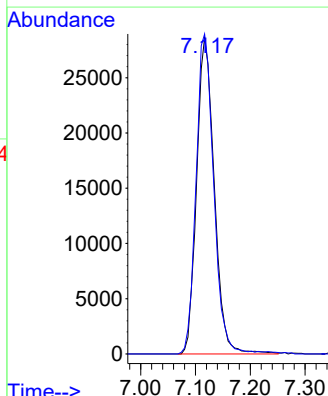
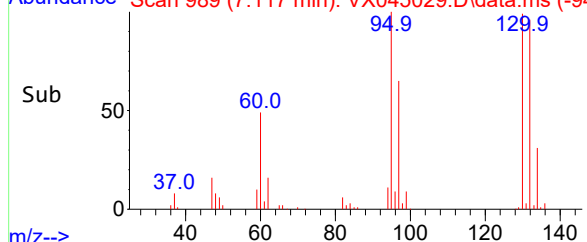
130 100

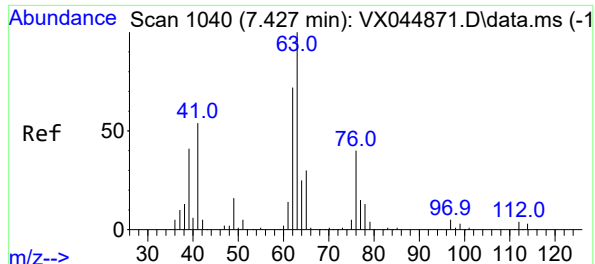
95 101.2 0.0 202.4

Abundance Scan 989 (7.117 min): VX045029.D\data.ms



Abundance Scan 989 (7.117 min): VX045029.D\data.ms (-94





#45

1,2-Dichloropropane

Concen: 51.54 ug/l

RT: 7.421 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 7088

Ion Ratio Lower Upper

63 100

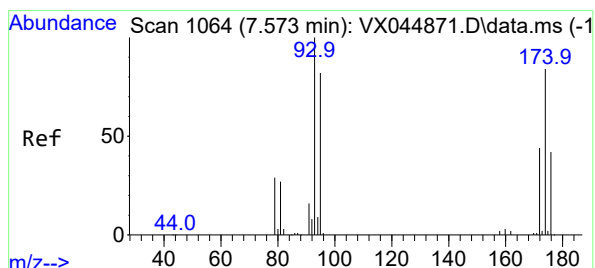
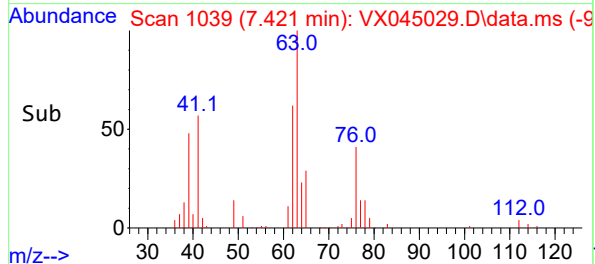
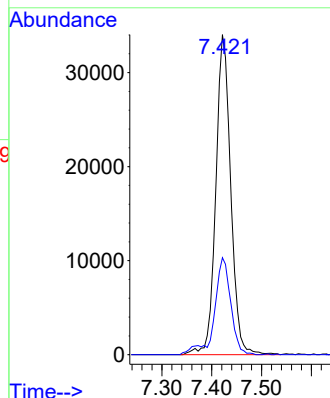
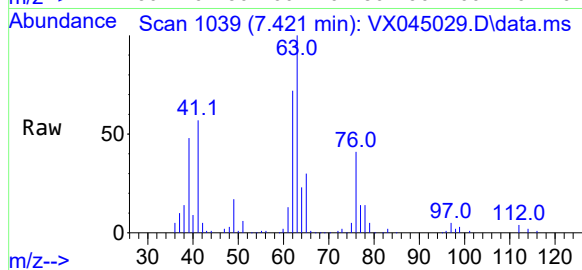
65 30.3 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#46

Dibromomethane

Concen: 52.22 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

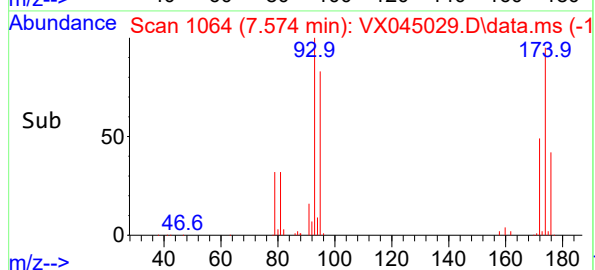
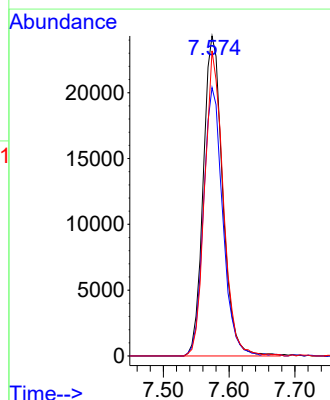
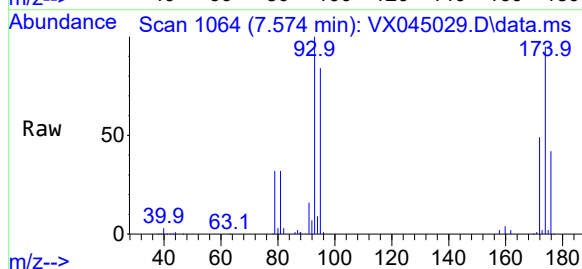
Tgt Ion: 93 Resp: 49809

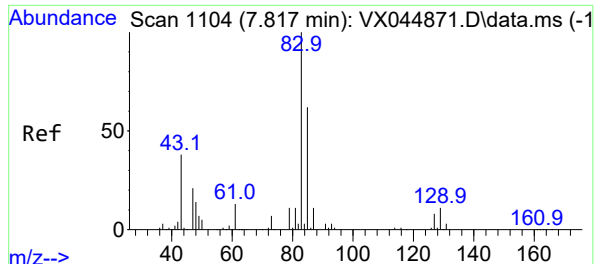
Ion Ratio Lower Upper

93 100

95 83.3 66.2 99.4

174 91.3 69.9 104.9





#47

Bromodichloromethane

Concen: 54.96 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 10151

Ion Ratio Lower Upper

83 100

85 64.6 50.0 75.0

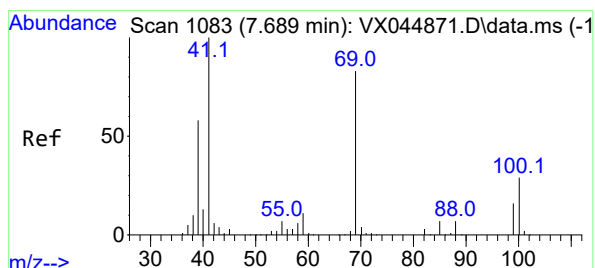
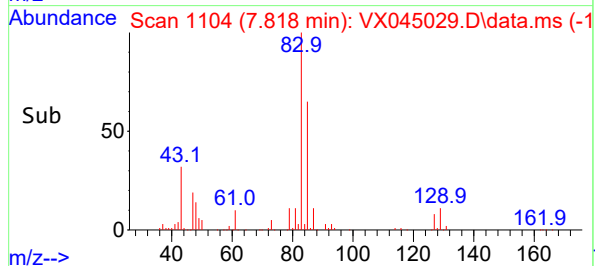
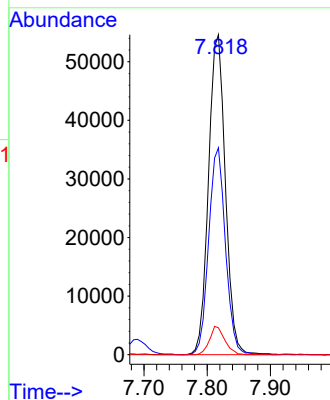
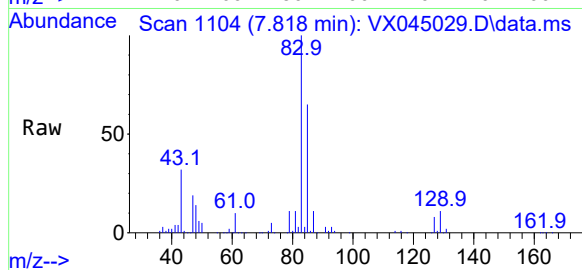
127 8.4 6.4 9.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#48

Methyl methacrylate

Concen: 57.15 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

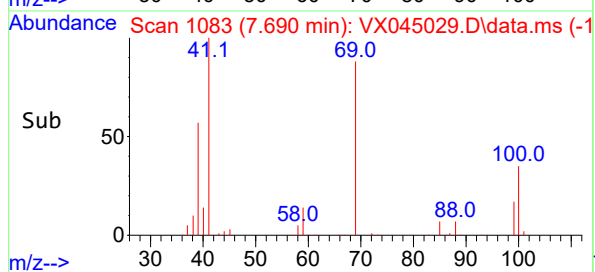
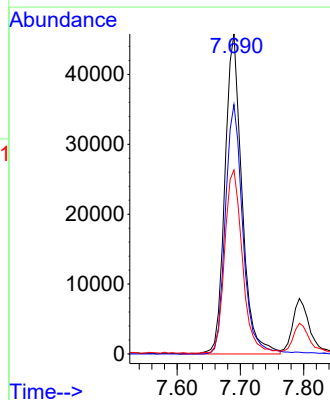
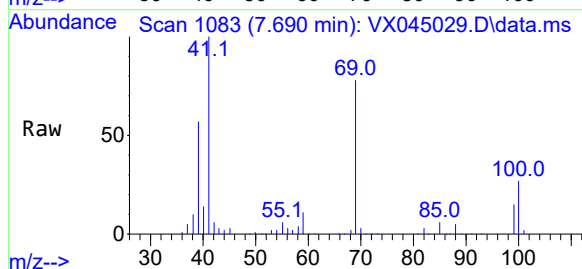
Tgt Ion: 41 Resp: 85683

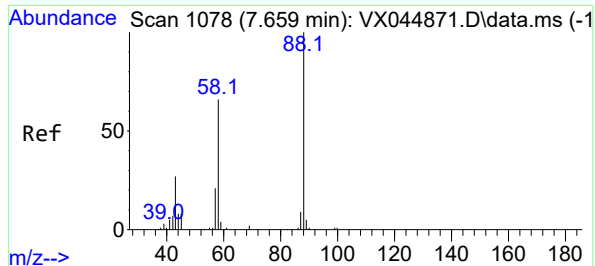
Ion Ratio Lower Upper

41 100

69 79.4 65.8 98.8

39 59.3 46.4 69.6





#49

1,4-Dioxane

Concen: 1108.26 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 35652

Ion Ratio Lower Upper

88 100

43 36.1 26.6 39.8

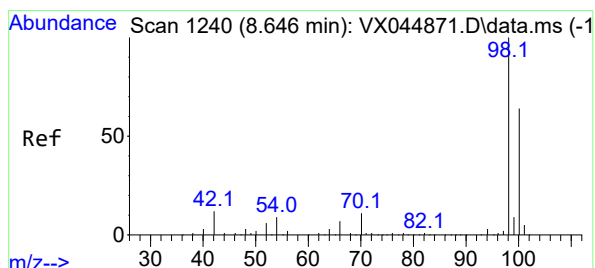
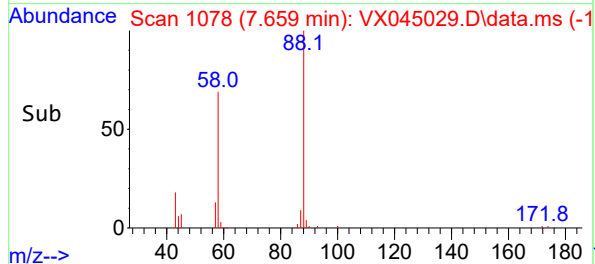
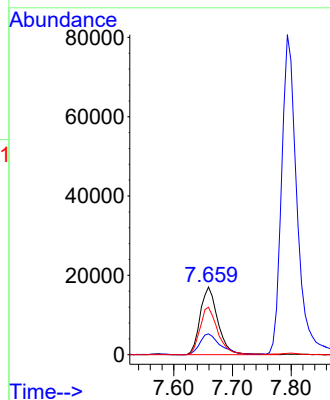
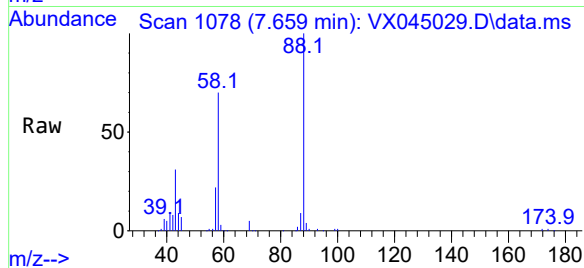
58 70.8 55.9 83.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#50

Toluene-d8

Concen: 50.24 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. -0.006 min

Lab File: VX045029.D

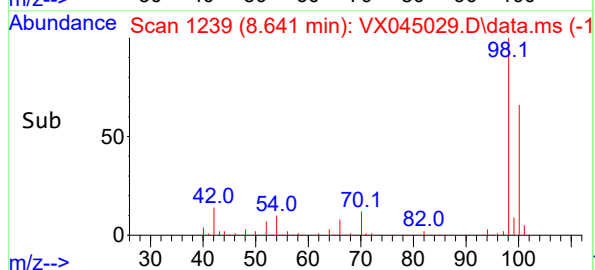
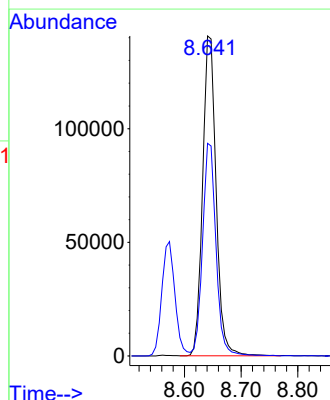
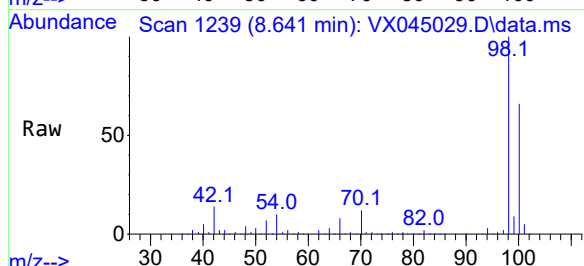
Acq: 25 Feb 2025 10:00

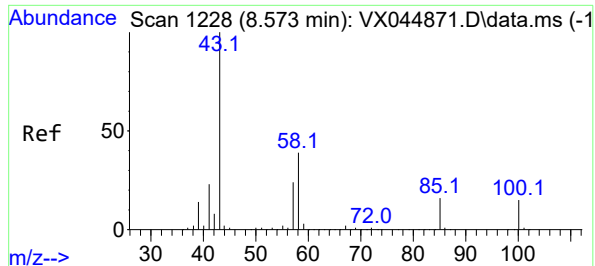
Tgt Ion: 98 Resp: 233128

Ion Ratio Lower Upper

98 100

100 66.1 52.7 79.1





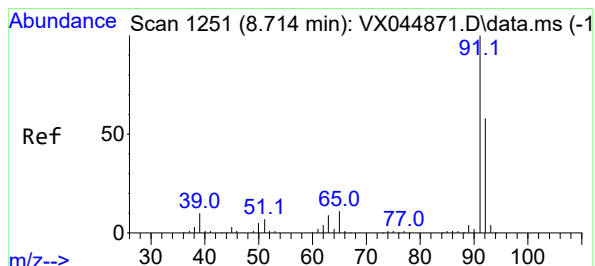
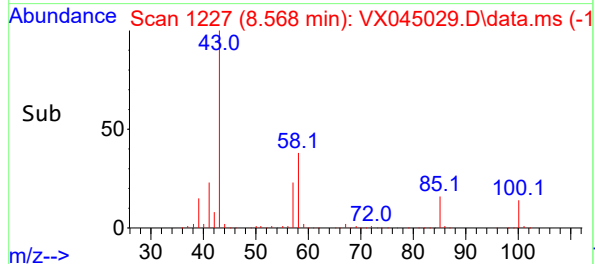
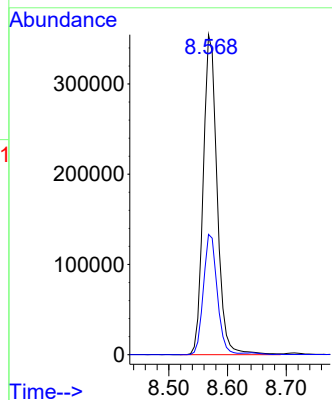
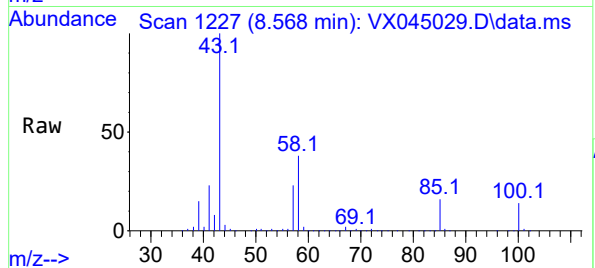
#51
4-Methyl-2-Pentanone
Concen: 301.51 ug/l
RT: 8.568 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 582884
Ion Ratio Lower Upper
43 100
58 37.3 30.8 46.2

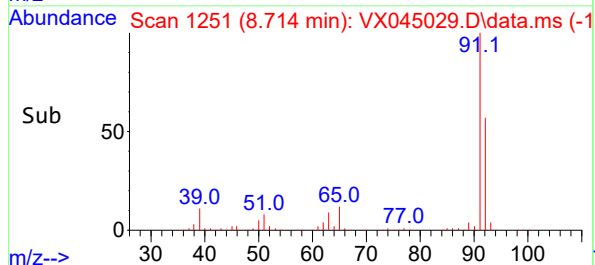
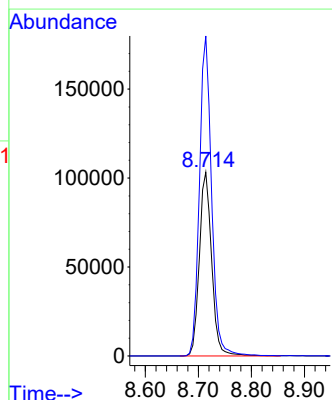
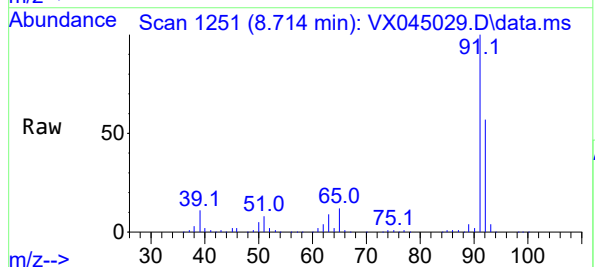
Manual Integrations
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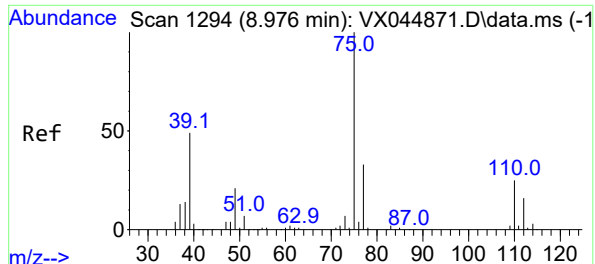
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#52
Toluene
Concen: 50.56 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 92 Resp: 166447
Ion Ratio Lower Upper
92 100
91 172.1 137.4 206.2





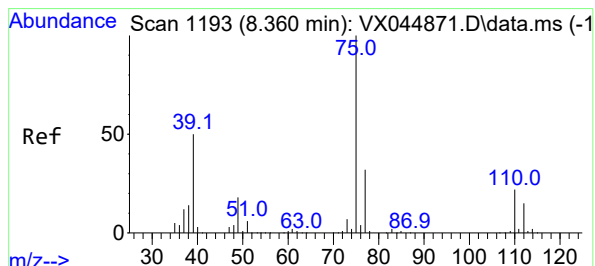
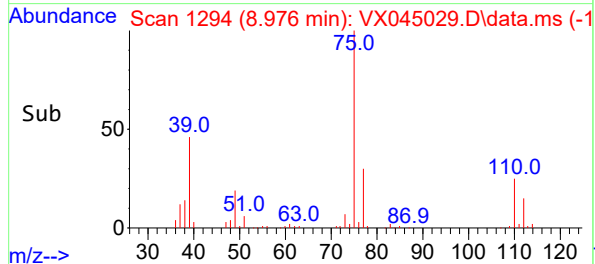
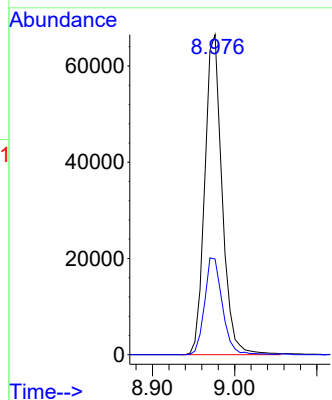
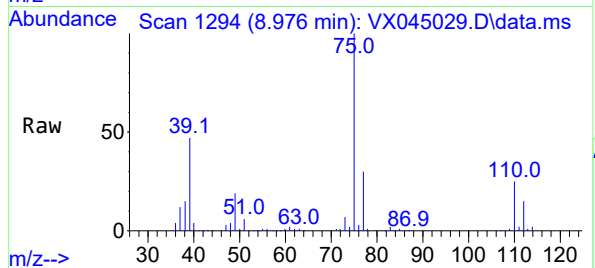
#53
t-1,3-Dichloropropene
Concen: 52.04 ug/l
RT: 8.976 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 97264
Ion Ratio Lower Upper
75 100
77 29.9 26.0 39.0

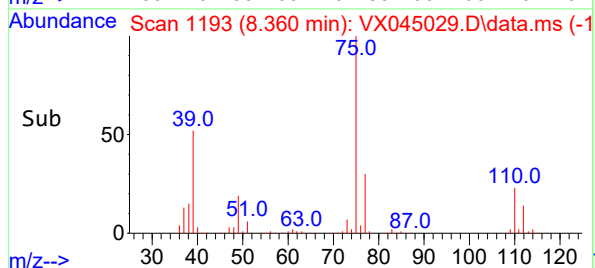
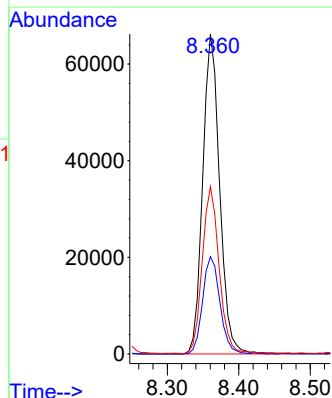
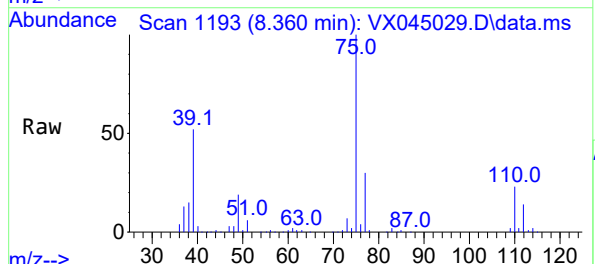
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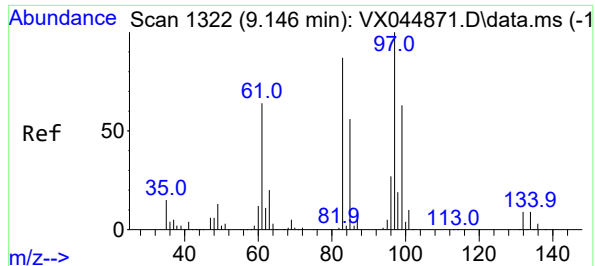
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#54
cis-1,3-Dichloropropene
Concen: 52.19 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 75 Resp: 108760
Ion Ratio Lower Upper
75 100
77 30.4 25.3 37.9
39 52.2 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 53.14 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 6725

Ion Ratio Lower Upper

97 100

83 87.3 69.8 104.6

85 55.7 44.8 67.2

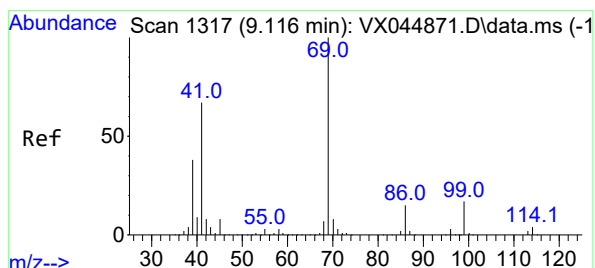
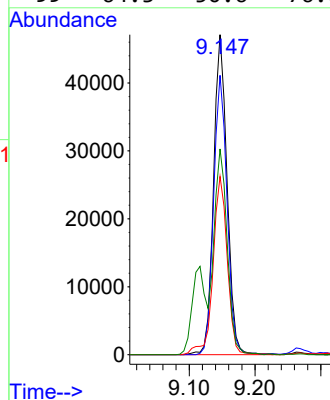
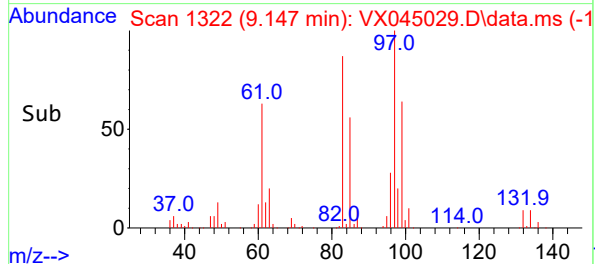
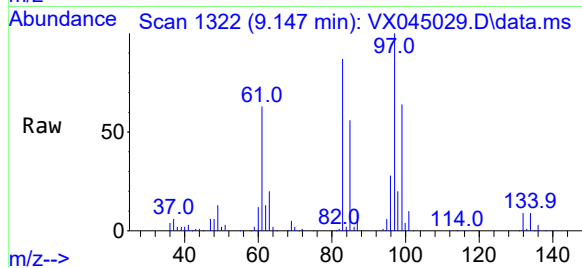
99 64.3 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#56

Ethyl methacrylate

Concen: 54.05 ug/l

RT: 9.110 min Scan# 1316

Delta R.T. -0.006 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

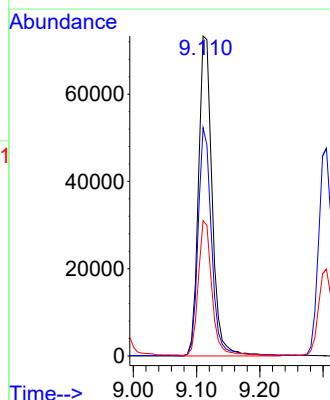
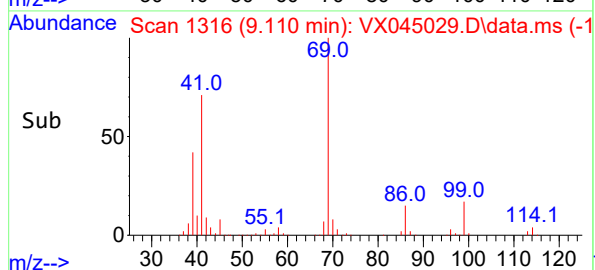
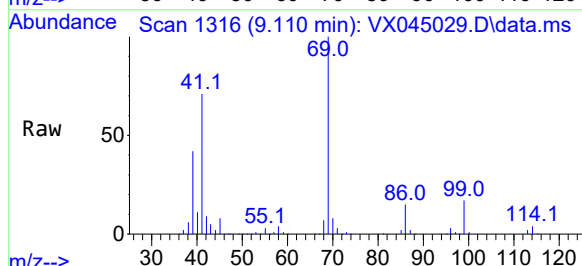
Tgt Ion: 69 Resp: 110482

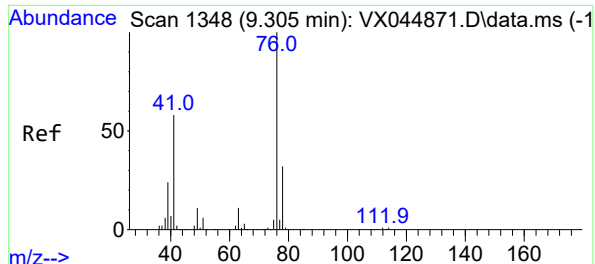
Ion Ratio Lower Upper

69 100

41 70.2 55.2 82.8

39 41.8 30.8 46.2





#57

1,3-Dichloropropane

Concen: 52.11 ug/l

RT: 9.305 min Scan# 11540

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 11540

Ion Ratio Lower Upper

76 100

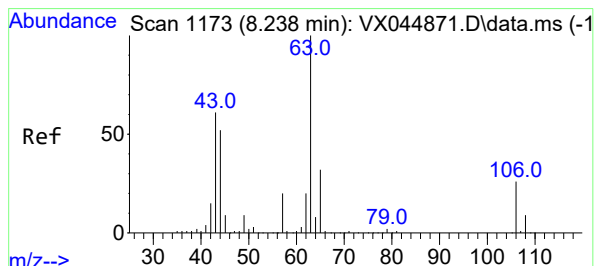
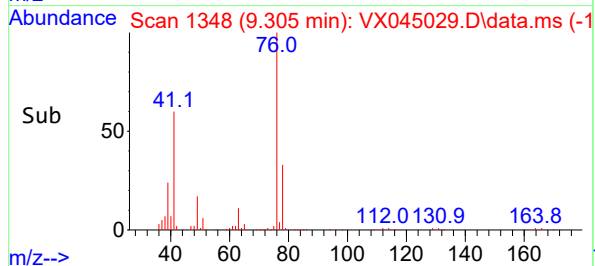
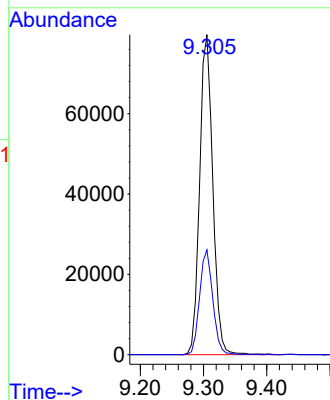
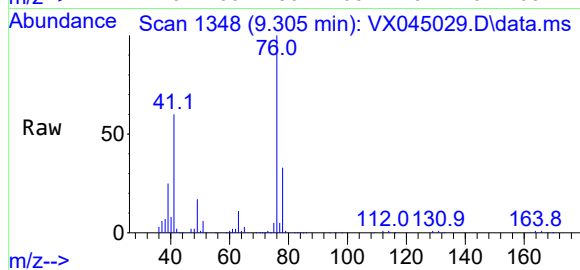
78 32.8 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#58

2-Chloroethyl Vinyl ether

Concen: 282.70 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX045029.D

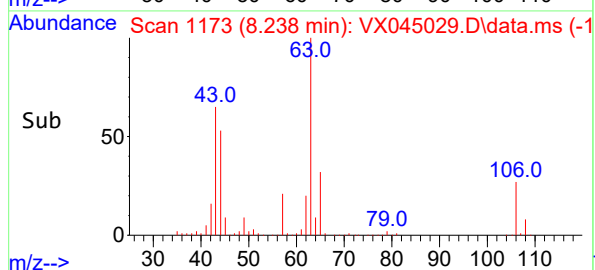
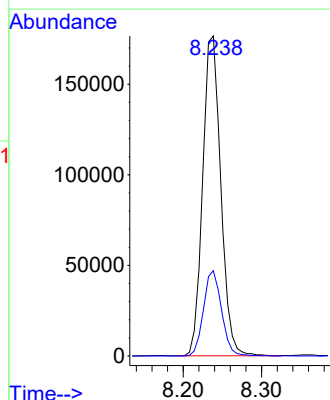
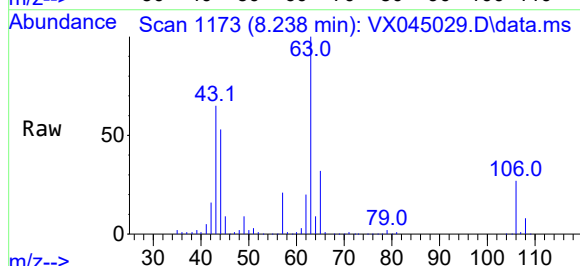
Acq: 25 Feb 2025 10:00

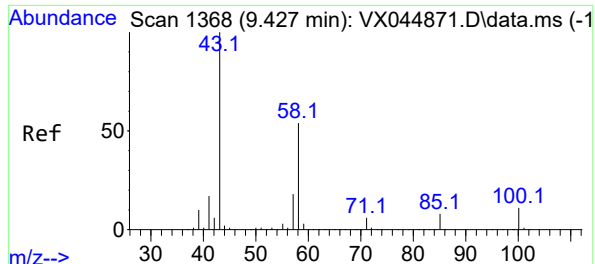
Tgt Ion: 63 Resp: 283740

Ion Ratio Lower Upper

63 100

106 26.5 21.3 31.9





#59

2-Hexanone

Concen: 310.51 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 43251

Ion Ratio Lower Upper

43

100

58

52.6

27.5

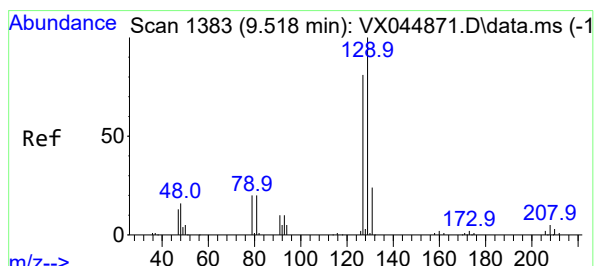
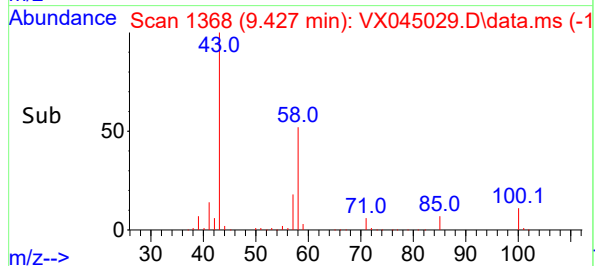
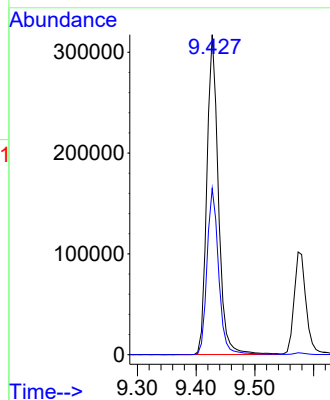
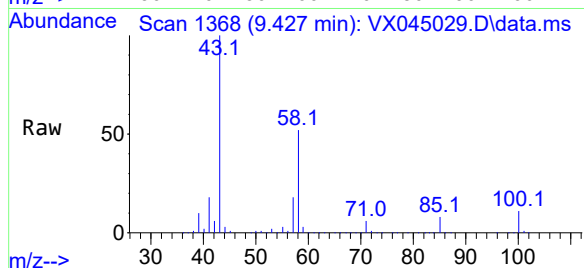
82.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#60

Dibromochloromethane

Concen: 54.99 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Tgt Ion:129 Resp: 74430

Ion Ratio Lower Upper

129

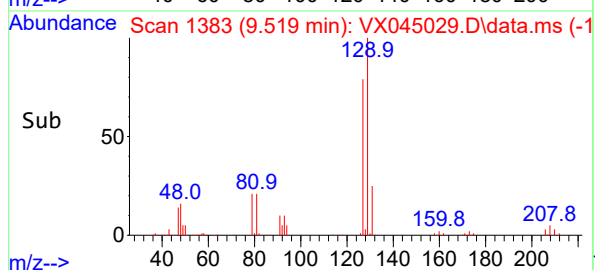
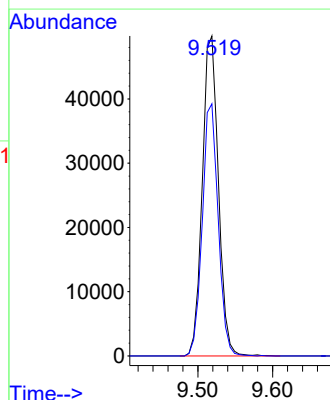
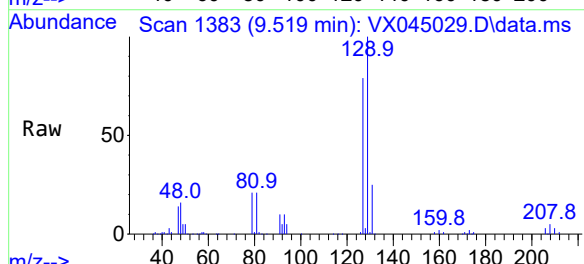
100

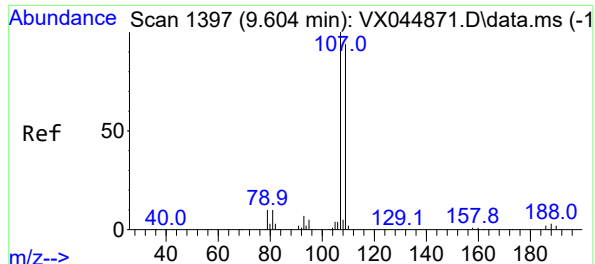
127

77.8

39.1

117.3





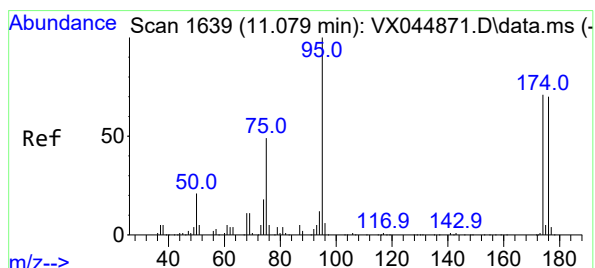
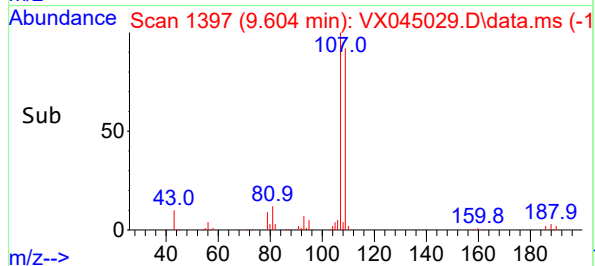
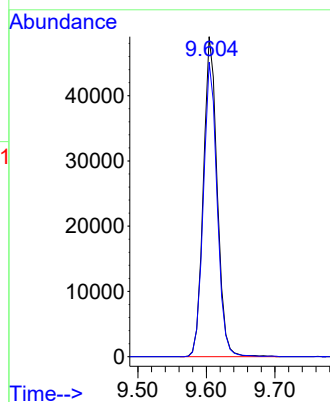
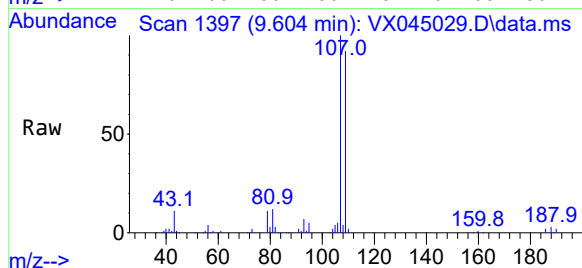
#61
1,2-Dibromoethane
Concen: 53.75 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDECC050

Tgt Ion:107 Resp: 6895
Ion Ratio Lower Upper
107 100
109 91.6 75.9 113.9

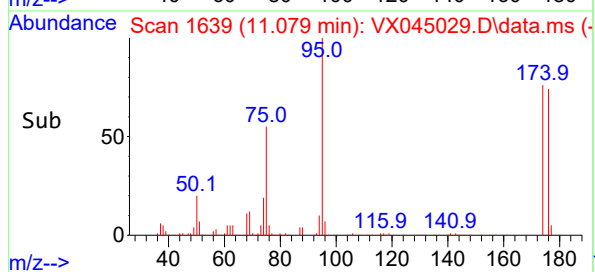
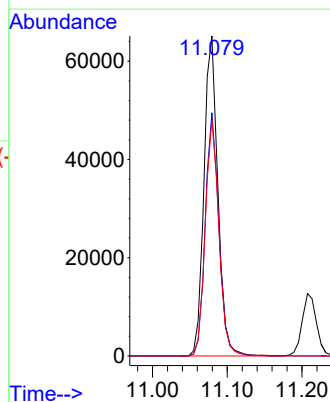
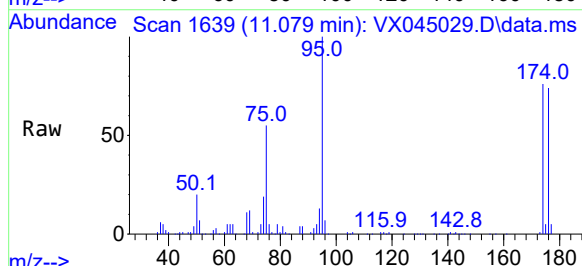
Manual Integrations
APPROVED

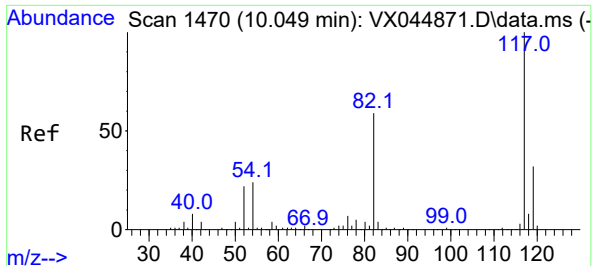
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#62
4-Bromofluorobenzene
Concen: 53.74 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 95 Resp: 84075
Ion Ratio Lower Upper
95 100
174 74.6 0.0 142.6
176 72.5 0.0 141.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:117 Resp: 166334

Ion Ratio Lower Upper

117 100

82 59.1 47.5 71.3

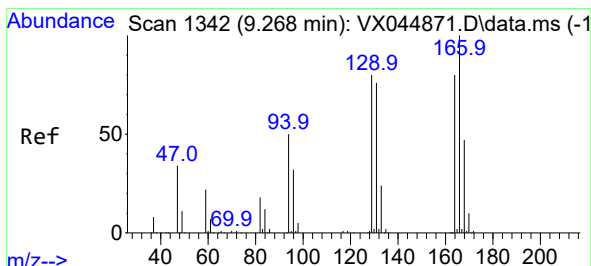
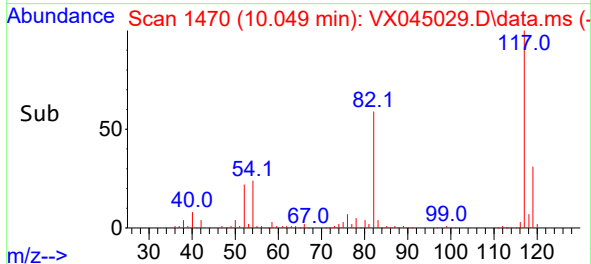
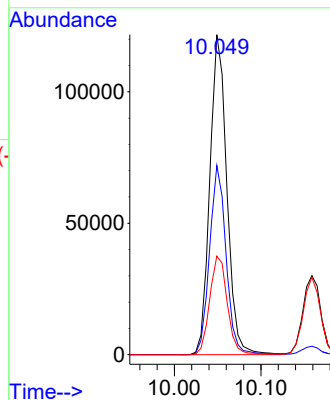
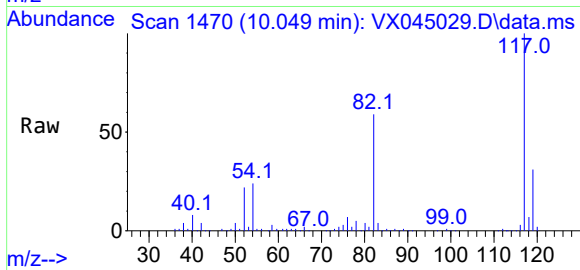
119 30.8 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#64

Tetrachloroethene

Concen: 50.51 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Tgt Ion:164 Resp: 52979

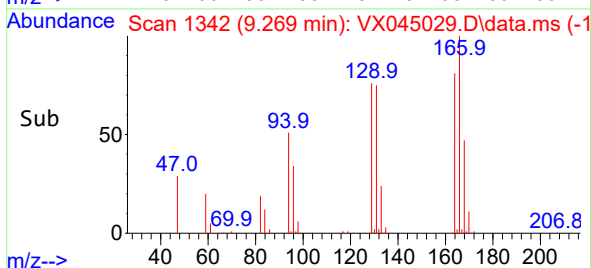
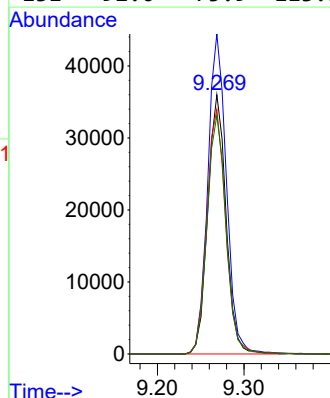
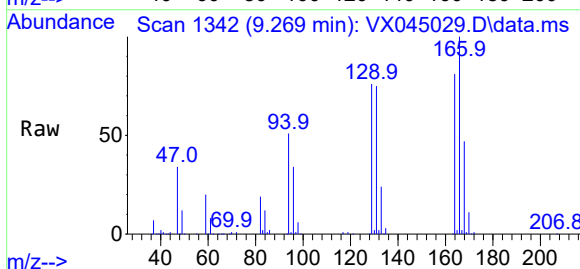
Ion Ratio Lower Upper

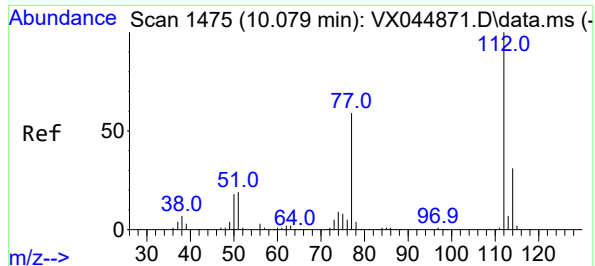
164 100

166 123.4 100.4 150.6

129 94.3 79.9 119.9

131 92.0 75.9 113.9





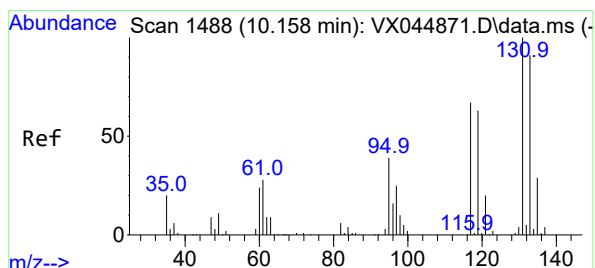
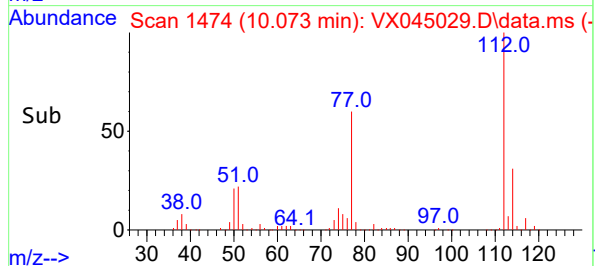
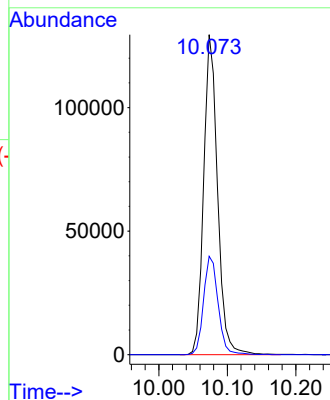
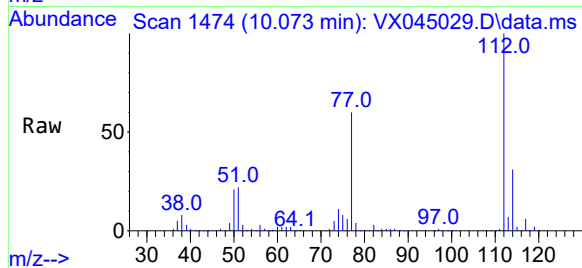
#65
Chlorobenzene
Concen: 51.05 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 182394
Ion Ratio Lower Upper
112 100
114 30.8 25.0 37.6

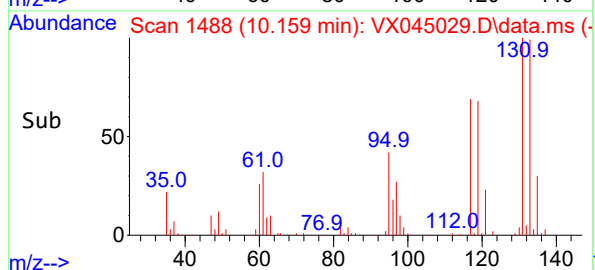
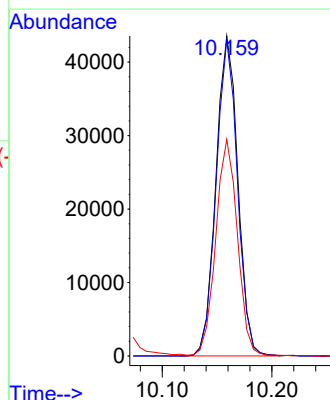
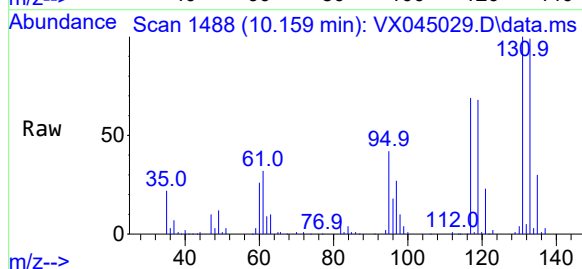
Manual Integrations
APPROVED

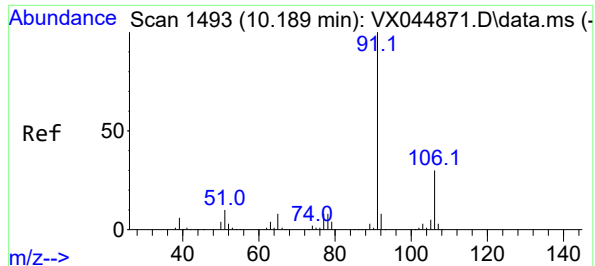
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 52.57 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:131 Resp: 60454
Ion Ratio Lower Upper
131 100
133 96.3 47.1 141.3
119 67.0 33.6 100.6





#67

Ethyl Benzene

Concen: 50.84 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Tgt Ion: 91 Resp: 32050

Ion Ratio Lower Upper

91 100

106 29.7 23.9 35.9

Instrument :

MSVOA_X

ClientSampleId :

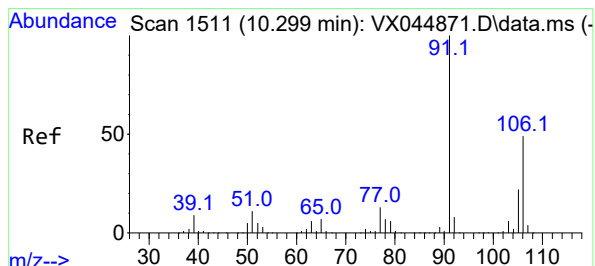
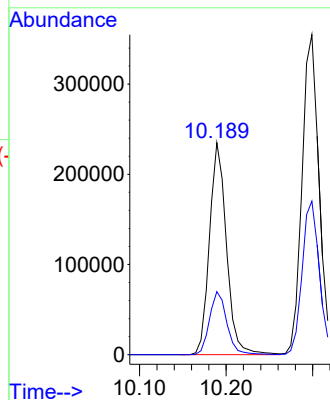
VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#68

m/p-Xylenes

Concen: 102.93 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX045029.D

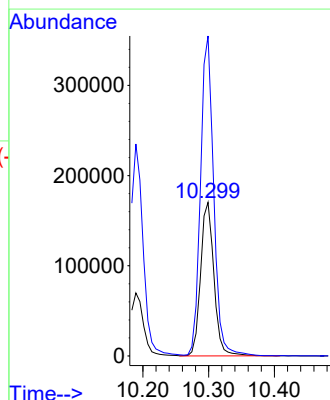
Acq: 25 Feb 2025 10:00

Tgt Ion:106 Resp: 239374

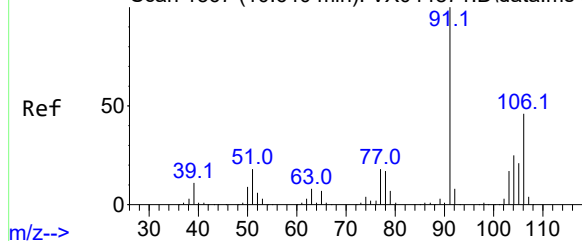
Ion Ratio Lower Upper

106 100

91 206.6 164.3 246.5



Abundance Scan 1567 (10.640 min): VX044871.D\data.ms (-



#69

o-Xylene

Concen: 51.03 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:106 Resp: 119070

Ion Ratio Lower Upper

106 100

91 214.3 108.5 325.5

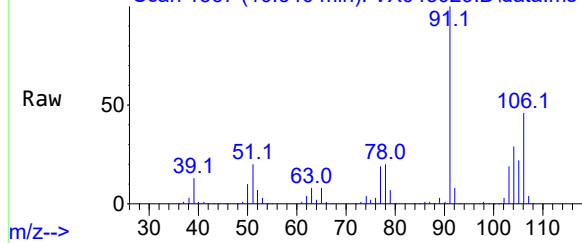
Manual Integrations

APPROVED

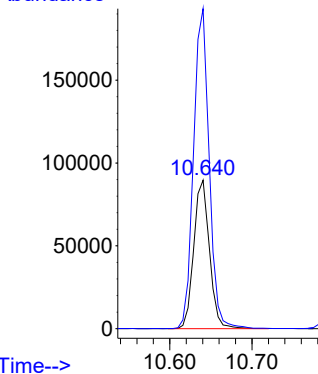
Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025

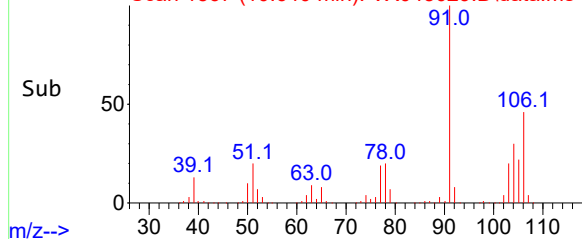
Abundance Scan 1567 (10.640 min): VX045029.D\data.ms



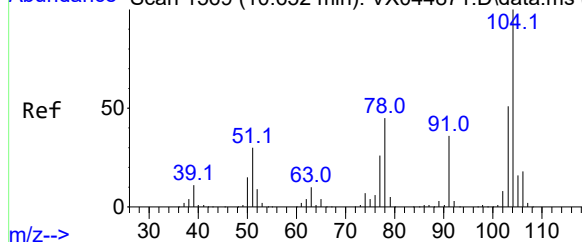
Abundance



Abundance Scan 1567 (10.640 min): VX045029.D\data.ms (-



Abundance Scan 1569 (10.652 min): VX044871.D\data.ms (-



#70

Styrene

Concen: 53.09 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Tgt Ion:104 Resp: 199603

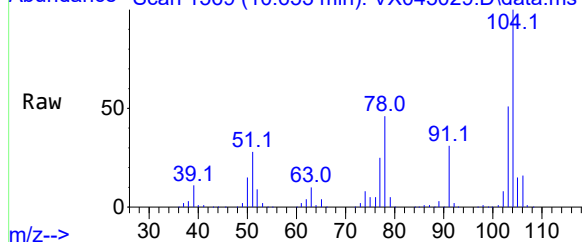
Ion Ratio Lower Upper

104 100

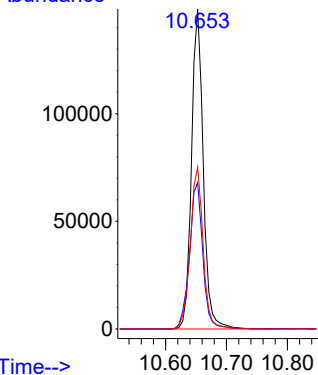
78 52.0 40.5 60.7

103 55.3 43.6 65.4

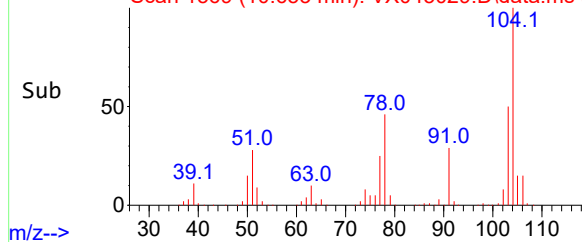
Abundance Scan 1569 (10.653 min): VX045029.D\data.ms

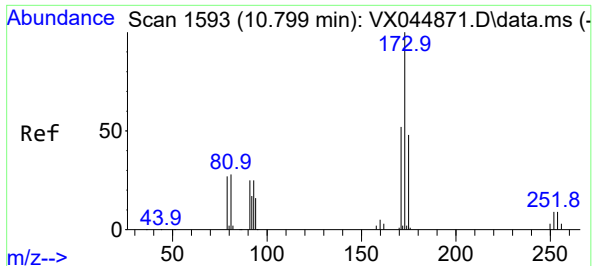


Abundance



Abundance Scan 1569 (10.653 min): VX045029.D\data.ms (-





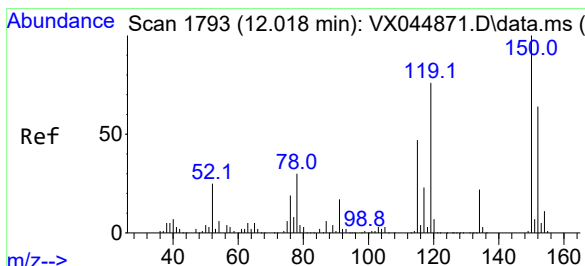
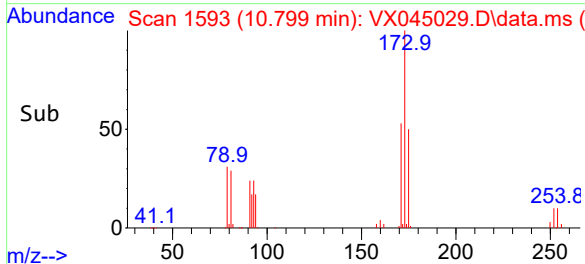
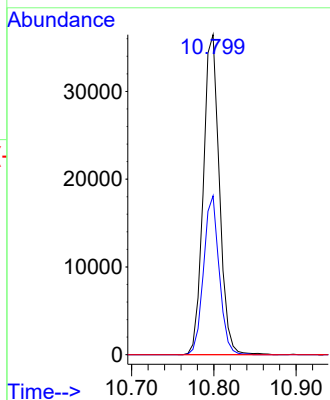
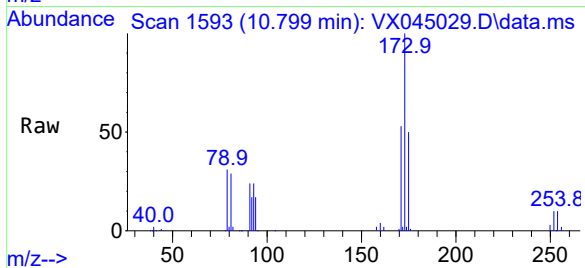
#71
Bromoform
Concen: 57.66 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 4948
Ion Ratio Lower Upper
173 100
175 48.2 24.3 72.8
254 0.0 0.0 0.0

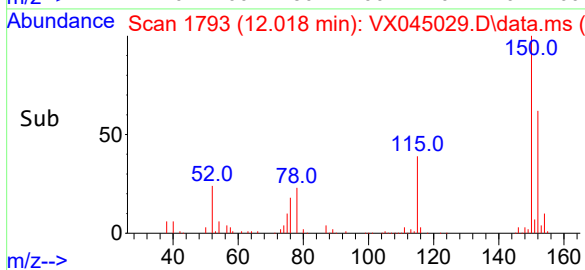
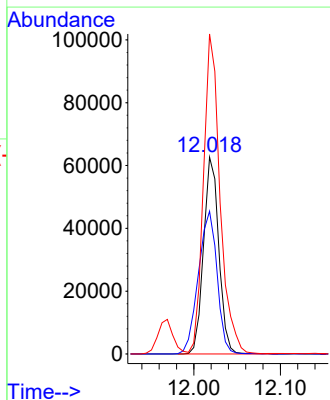
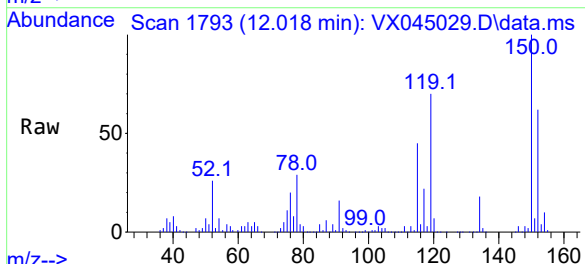
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

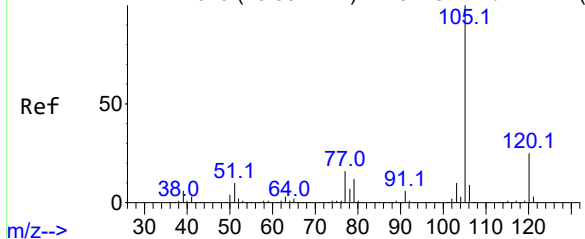


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:152 Resp: 76720
Ion Ratio Lower Upper
152 100
115 89.0 43.4 130.1
150 176.1 0.0 350.4



Abundance Scan 1619 (10.957 min): VX044871.D\data.ms (-



#73

Isopropylbenzene

Concen: 49.54 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 306035

Ion Ratio Lower Upper

105 100

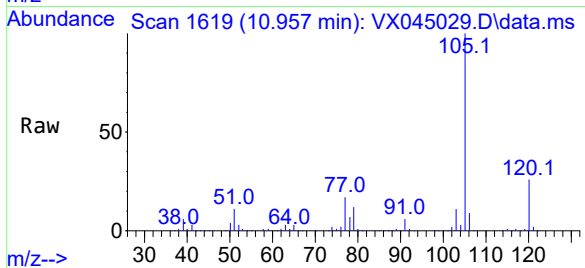
120 26.3 13.2 39.5

Manual Integrations

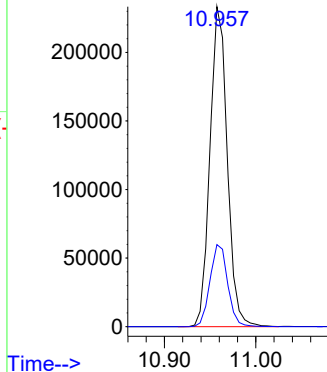
APPROVED

Reviewed By :John Carlone 02/26/2025

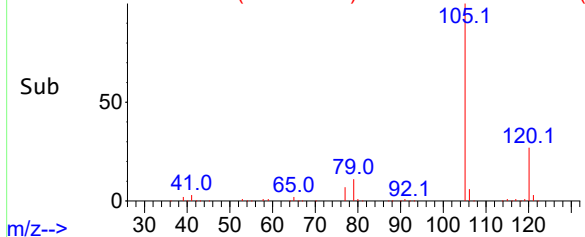
Supervised By :Mahesh Dadoda 02/26/2025



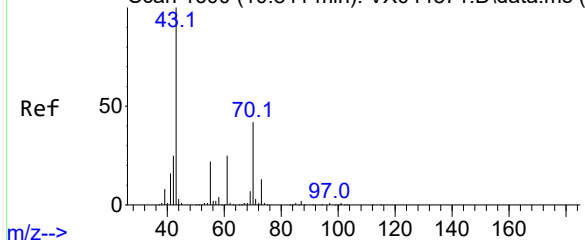
Abundance



Abundance Scan 1619 (10.957 min): VX045029.D\data.ms (-



Abundance Scan 1600 (10.841 min): VX044871.D\data.ms (-



#74

N-ethyl acetate

Concen: 52.79 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 147566

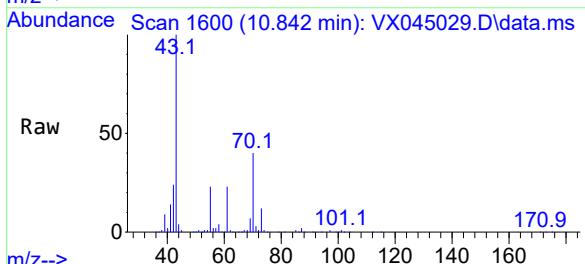
Ion Ratio Lower Upper

43 100

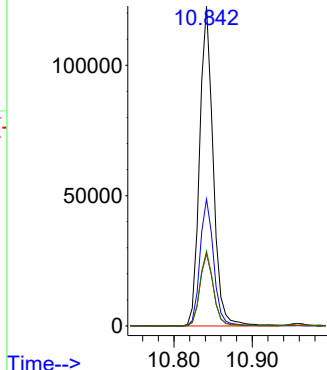
70 39.9 33.7 50.5

55 22.7 18.6 27.8

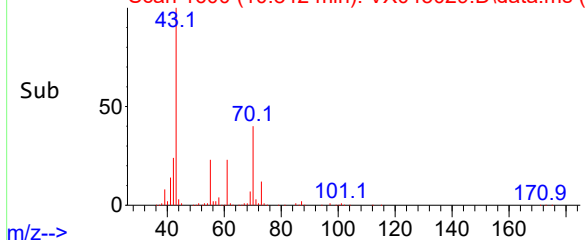
61 23.0 19.1 28.7

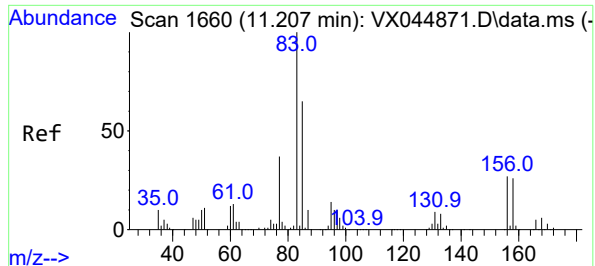


Abundance



Abundance Scan 1600 (10.842 min): VX045029.D\data.ms (-





#75

1,1,2,2-Tetrachloroethane

Concen: 50.43 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 107060

Ion Ratio Lower Upper

83 100

131 9.3 4.5 13.5

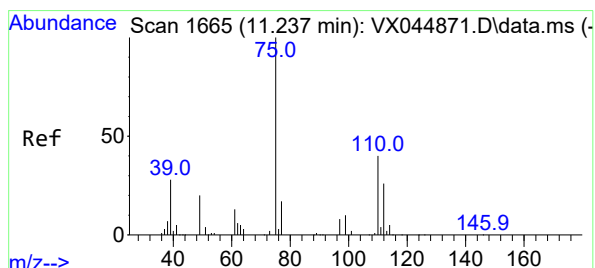
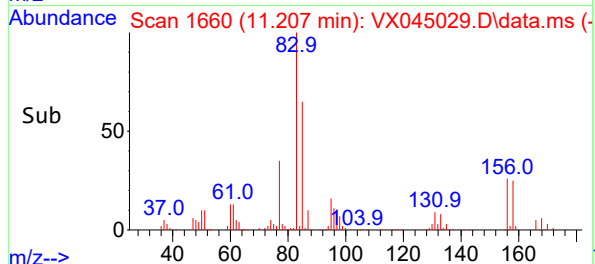
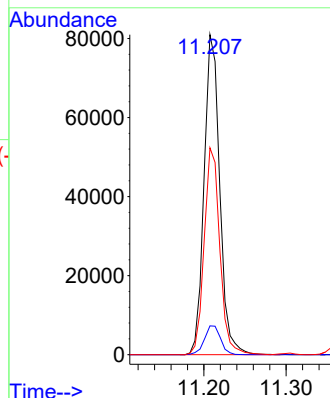
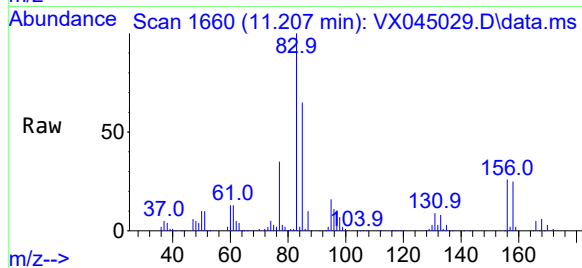
85 64.6 32.3 96.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#76

1,2,3-Trichloropropane

Concen: 56.58 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX045029.D

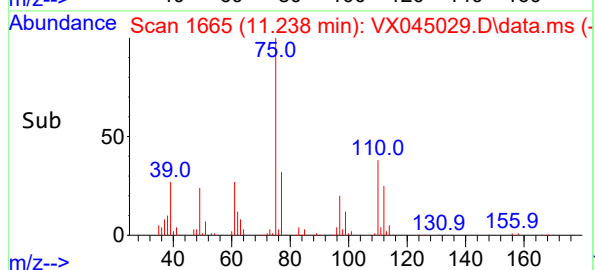
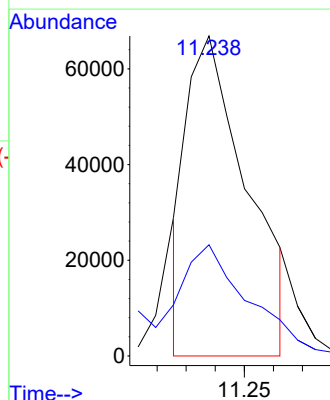
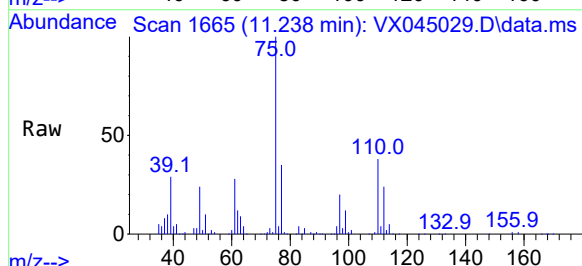
Acq: 25 Feb 2025 10:00

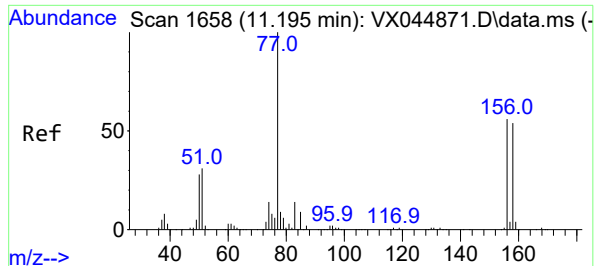
Tgt Ion: 75 Resp: 96249

Ion Ratio Lower Upper

75 100

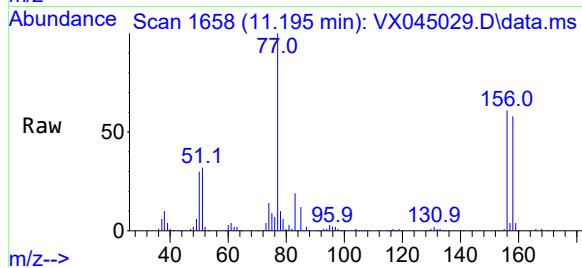
77 39.5 21.9 65.7





#77
Bromobenzene
Concen: 51.29 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

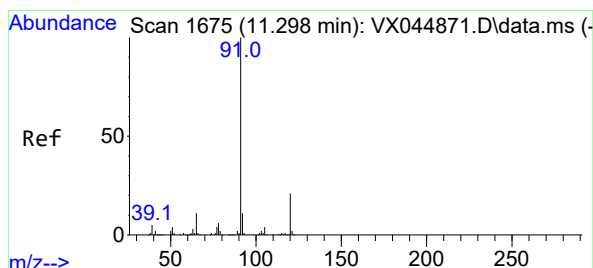
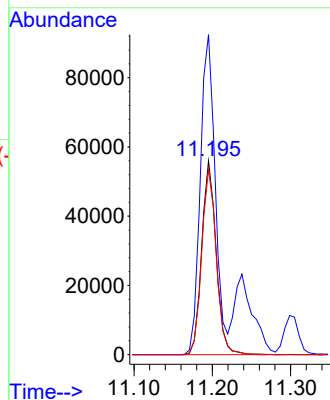
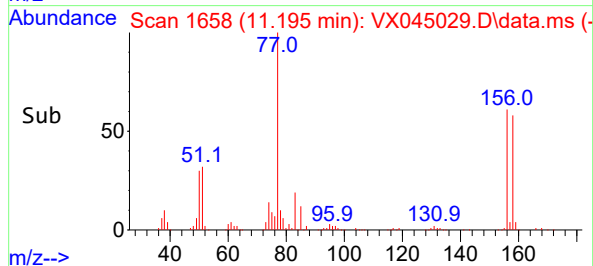
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



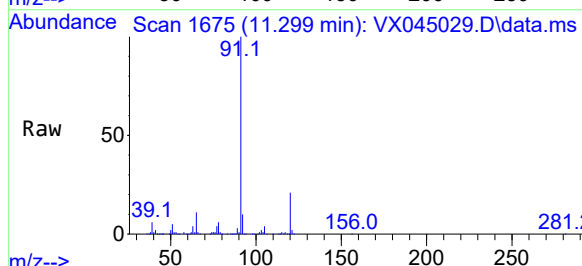
Tgt Ion: 156 Resp: 71839
Ion Ratio Lower Upper
156 100
77 170.2 88.4 265.3
158 96.3 48.4 145.2

Manual Integrations
APPROVED

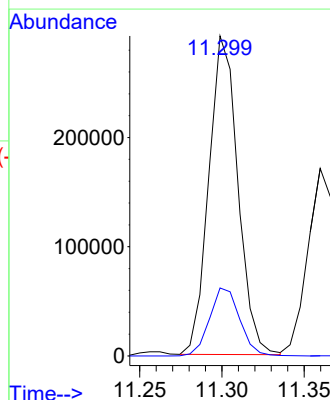
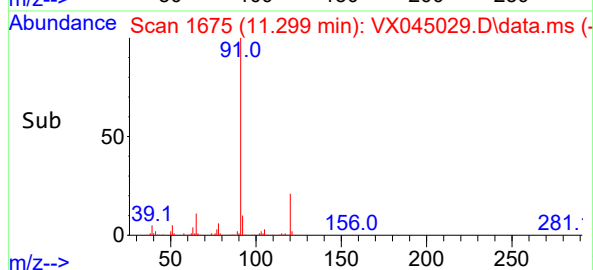
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

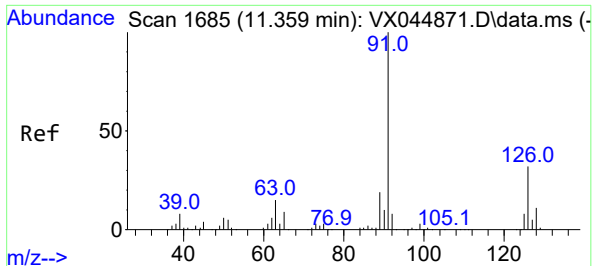


#78
n-propylbenzene
Concen: 50.33 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00



Tgt Ion: 91 Resp: 358862
Ion Ratio Lower Upper
91 100
120 22.2 11.1 33.3





#79

2-Chlorotoluene

Concen: 49.41 ug/l

RT: 11.360 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 216519

Ion Ratio Lower Upper

91 100

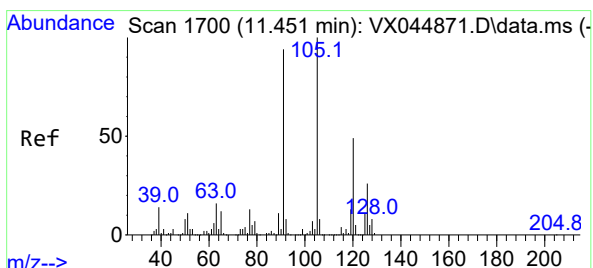
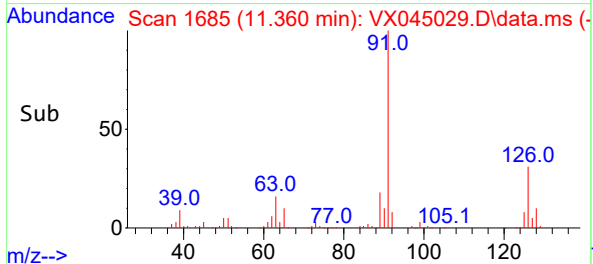
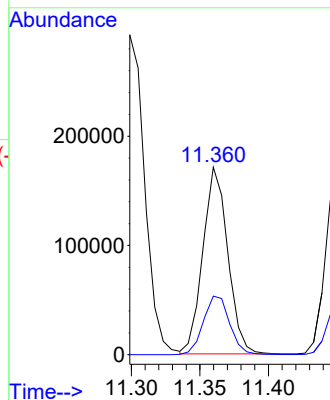
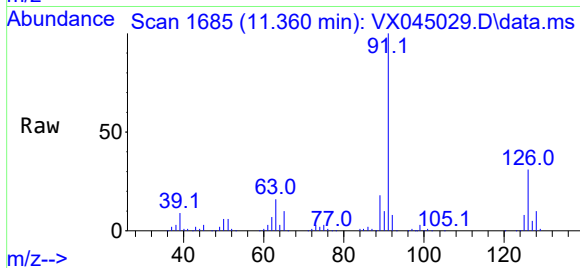
126 33.2 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#80

1,3,5-Trimethylbenzene

Concen: 50.54 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX045029.D

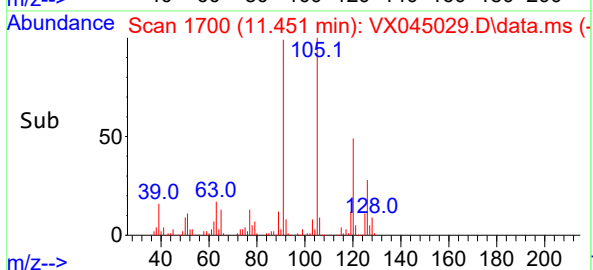
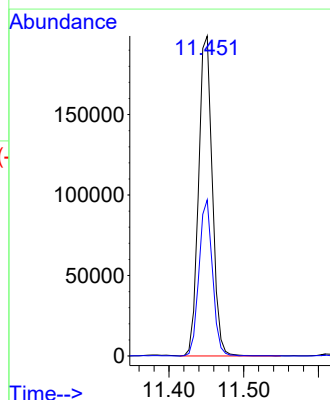
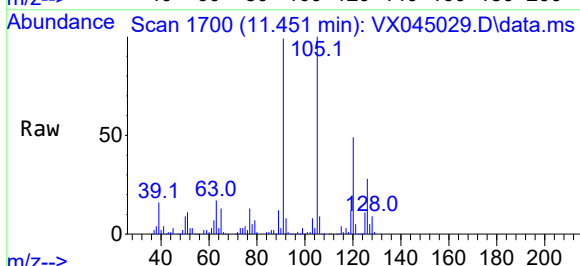
Acq: 25 Feb 2025 10:00

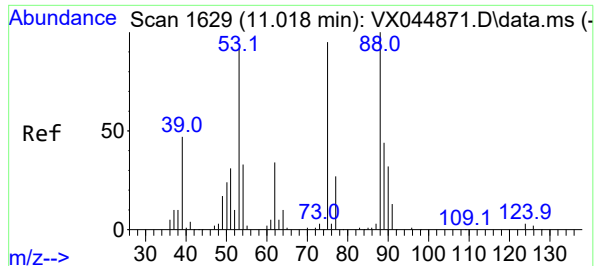
Tgt Ion:105 Resp: 253369

Ion Ratio Lower Upper

105 100

120 47.9 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 46.91 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 3101

Ion Ratio Lower Upper

75 100

53 107.7 78.0 117.0

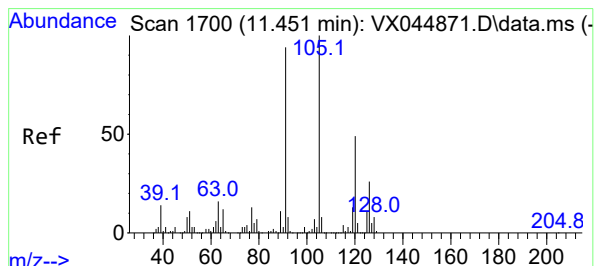
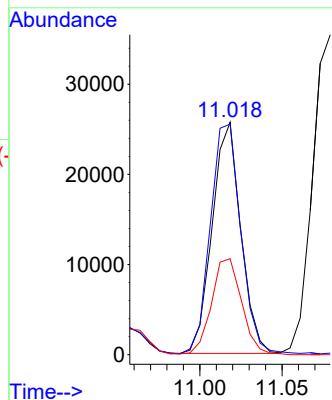
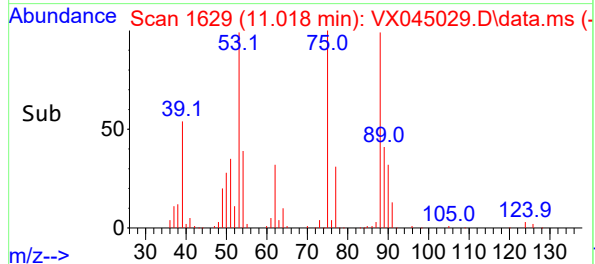
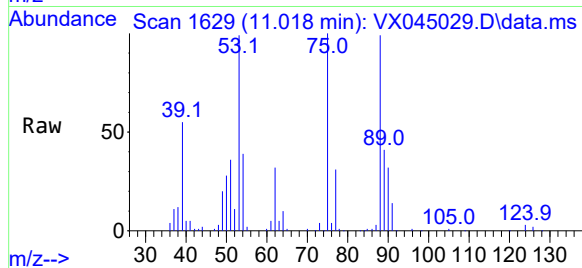
89 43.8 36.6 54.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#82

4-Chlorotoluene

Concen: 50.29 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX045029.D

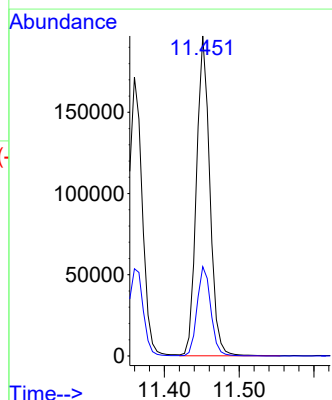
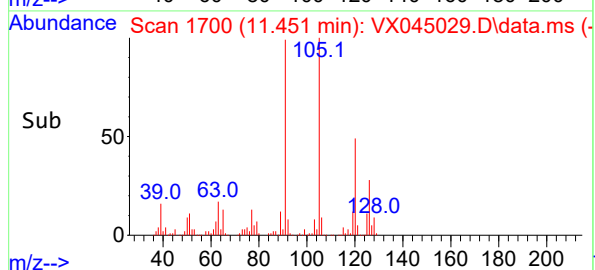
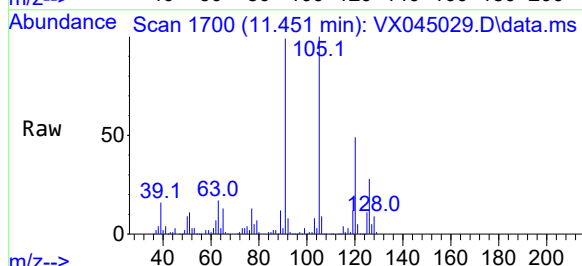
Acq: 25 Feb 2025 10:00

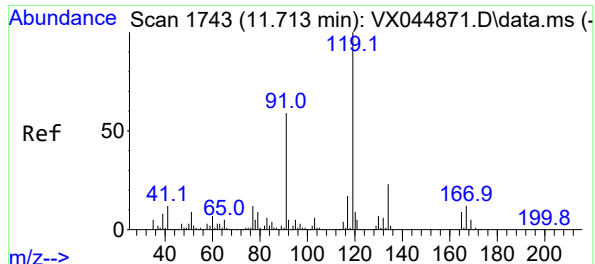
Tgt Ion: 91 Resp: 243811

Ion Ratio Lower Upper

91 100

126 28.7 14.2 42.6





#83

tert-Butylbenzene

Concen: 50.83 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 25776

Ion Ratio Lower Upper

119 100

91 59.1 29.1 87.4

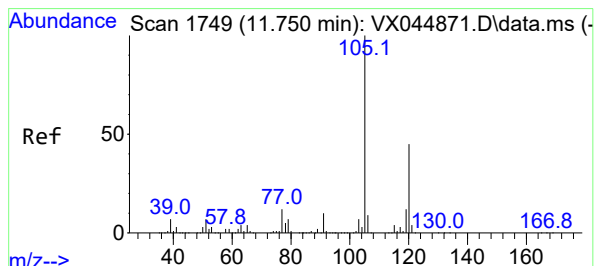
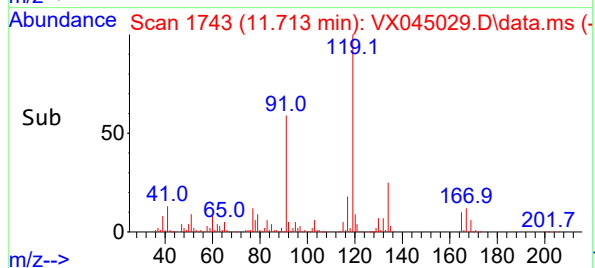
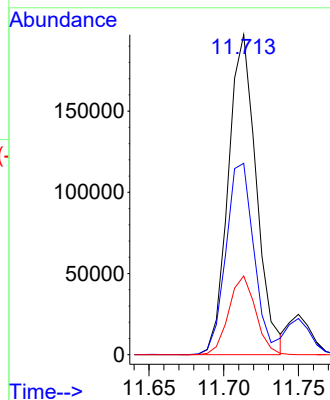
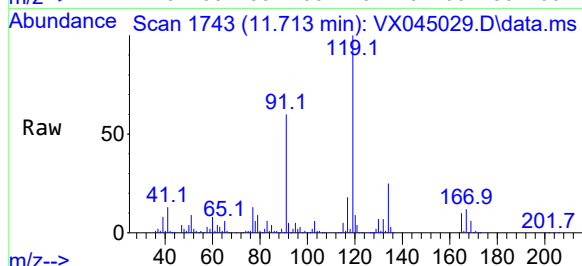
134 23.5 11.5 34.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#84

1,2,4-Trimethylbenzene

Concen: 51.59 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX045029.D

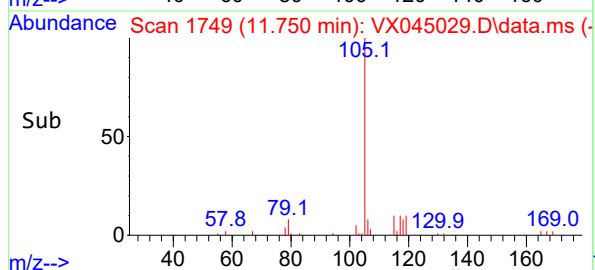
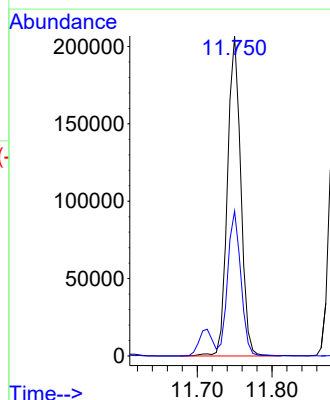
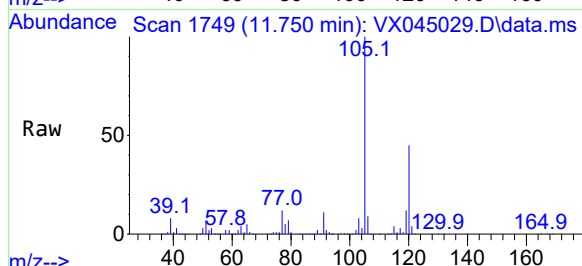
Acq: 25 Feb 2025 10:00

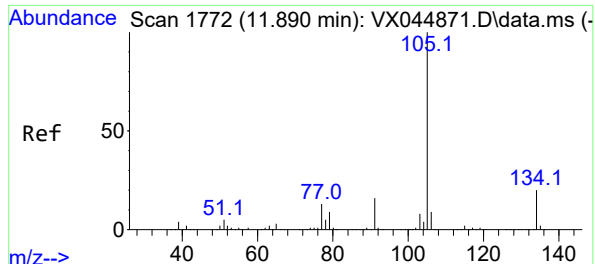
Tgt Ion:105 Resp: 255246

Ion Ratio Lower Upper

105 100

120 45.1 22.4 67.0





#85

sec-Butylbenzene

Concen: 51.43 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 322972

Ion Ratio Lower Upper

105 100

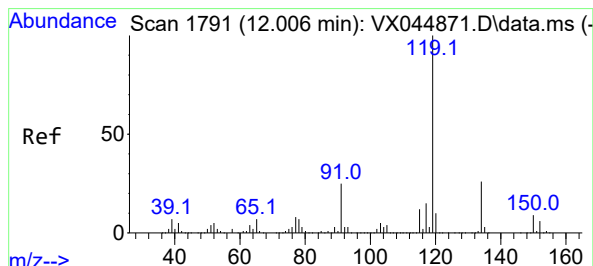
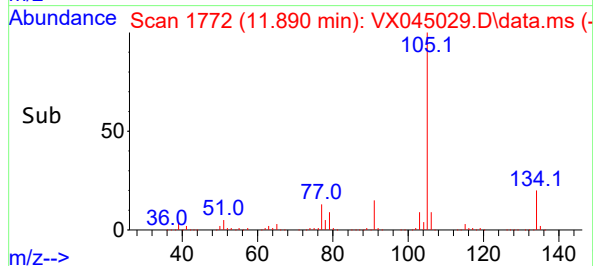
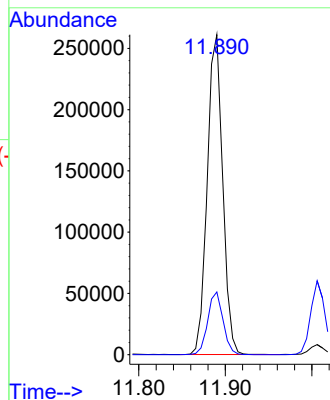
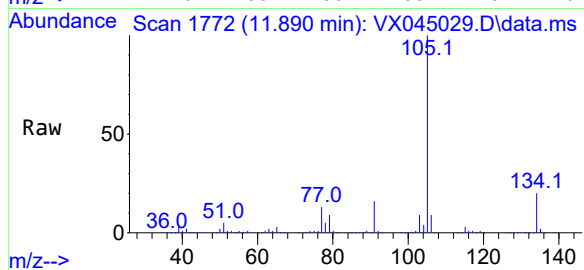
134 19.5 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#86

p-Isopropyltoluene

Concen: 52.51 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

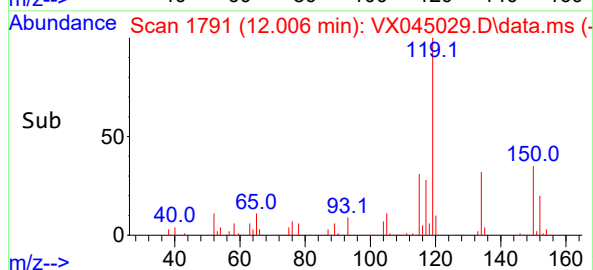
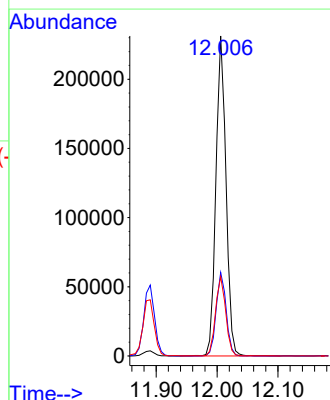
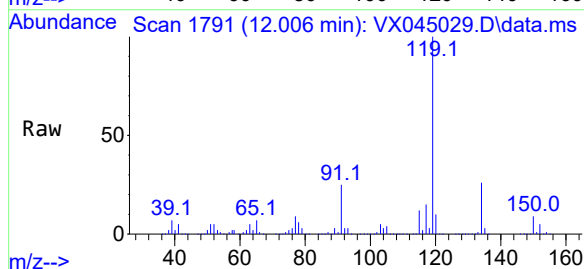
Tgt Ion:119 Resp: 265185

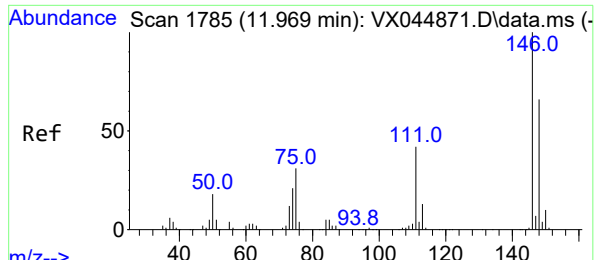
Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

91 24.9 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 50.69 ug/l

RT: 11.963 min Scan# 1784

Delta R.T. -0.006 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 130550

Ion Ratio Lower Upper

146 100

111 42.6 21.2 63.6

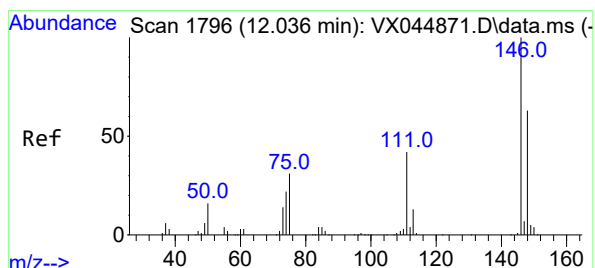
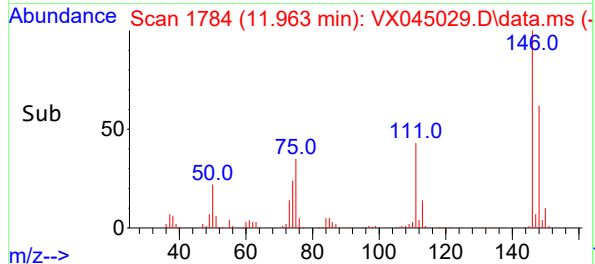
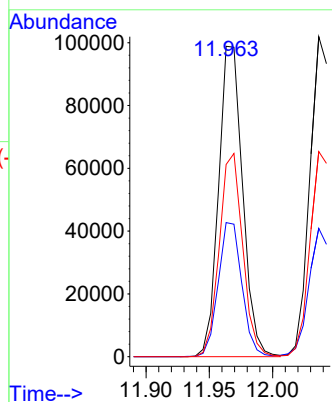
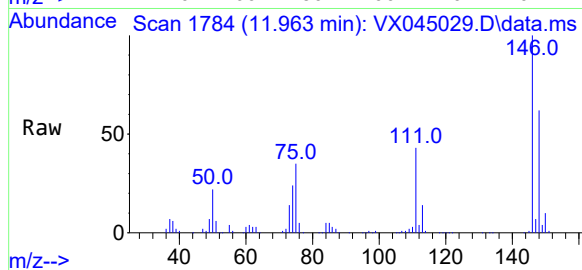
148 63.7 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#88

1,4-Dichlorobenzene

Concen: 50.16 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

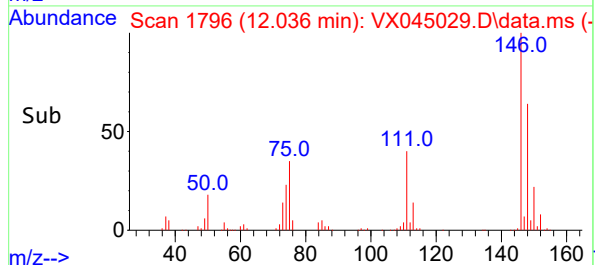
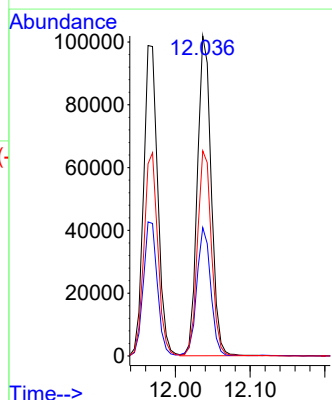
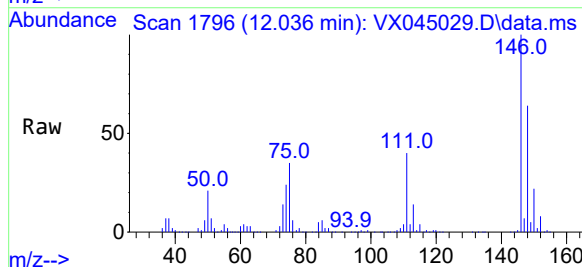
Tgt Ion:146 Resp: 130623

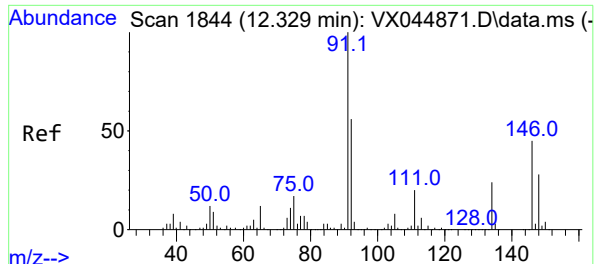
Ion Ratio Lower Upper

146 100

111 40.2 20.4 61.3

148 64.9 32.0 96.0





#89

n-Butylbenzene

Concen: 54.13 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 24183

Ion Ratio Lower Upper

91 100

92 54.3 27.2 81.6

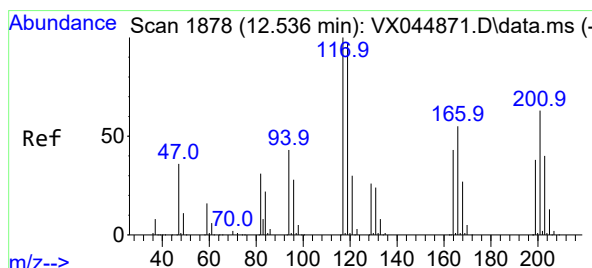
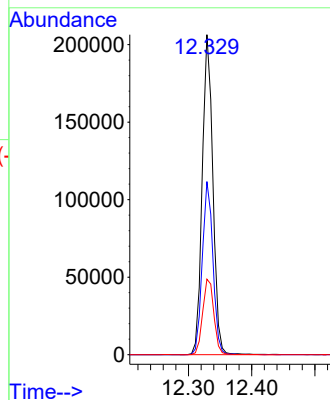
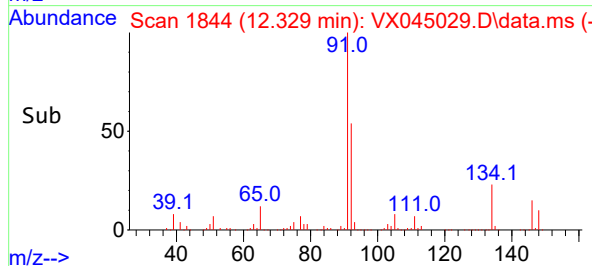
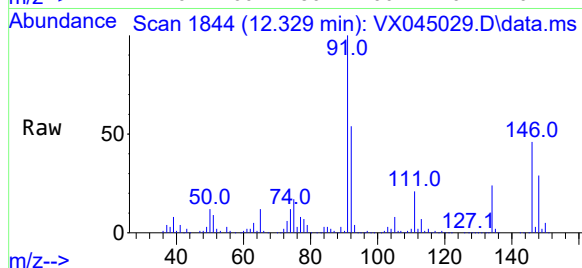
134 24.8 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#90

Hexachloroethane

Concen: 50.23 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX045029.D

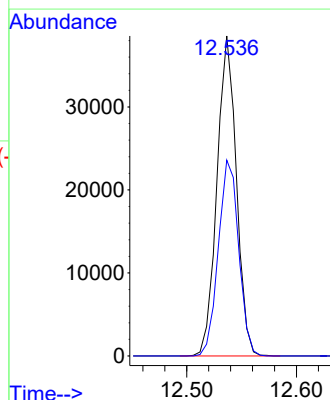
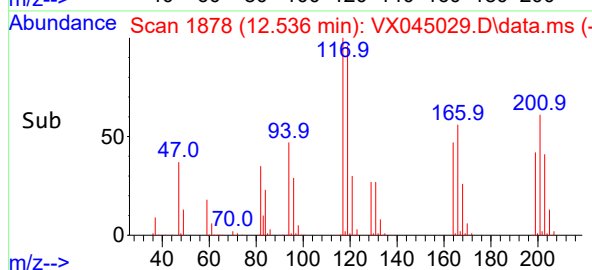
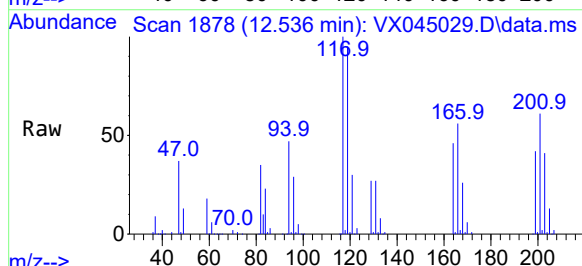
Acq: 25 Feb 2025 10:00

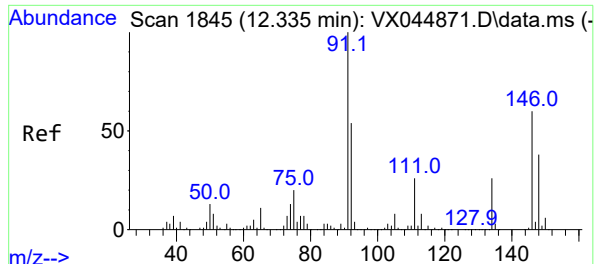
Tgt Ion:117 Resp: 47494

Ion Ratio Lower Upper

117 100

201 64.1 32.5 97.5





#91

1,2-Dichlorobenzene

Concen: 51.91 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 131390

Ion Ratio Lower Upper

146 100

111 43.0 21.8 65.4

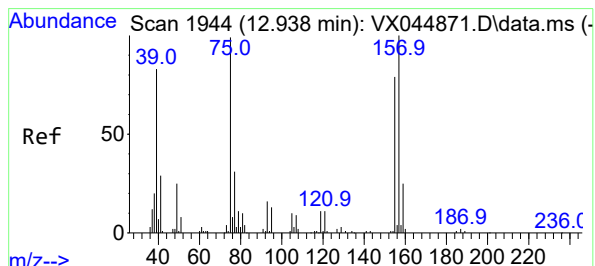
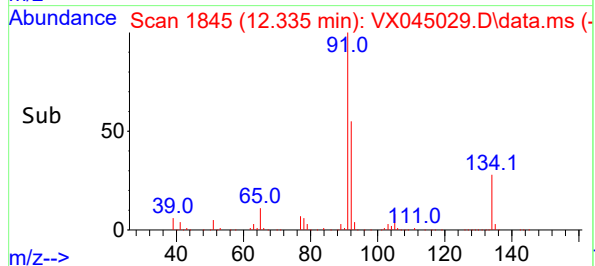
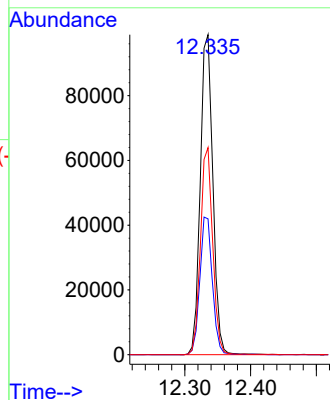
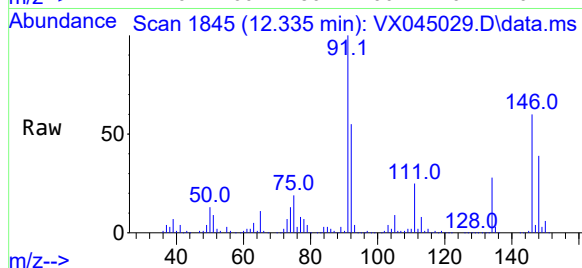
148 62.9 31.9 95.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.76 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

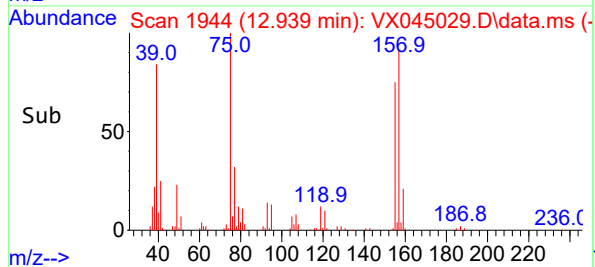
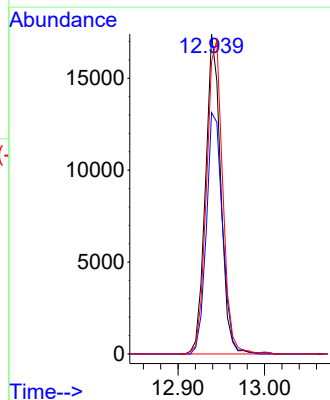
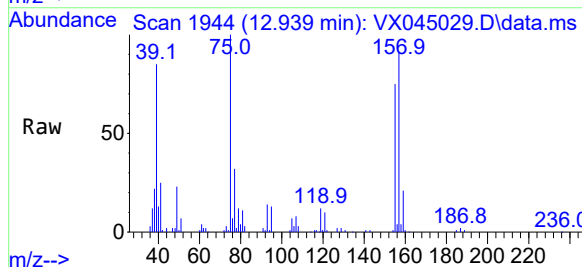
Tgt Ion: 75 Resp: 21216

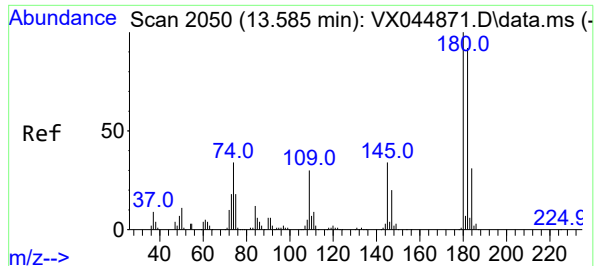
Ion Ratio Lower Upper

75 100

155 80.2 40.5 121.4

157 104.5 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 53.82 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

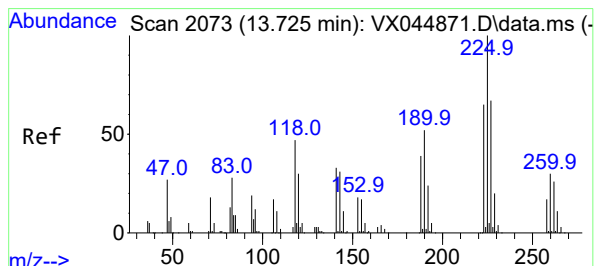
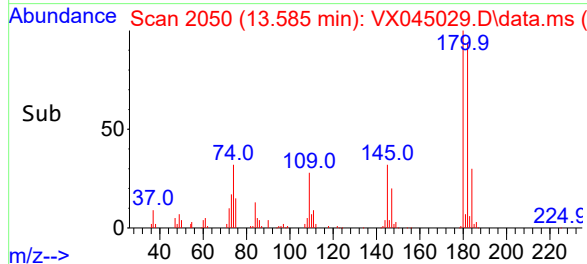
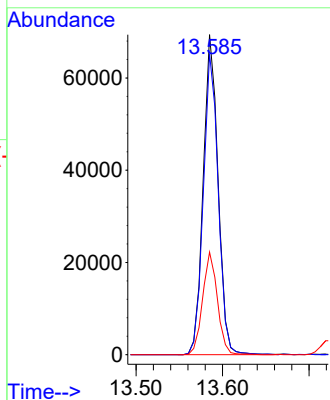
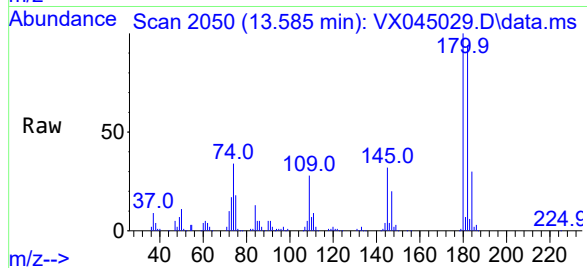
Tgt Ion:180	Resp:	82420
Ion Ratio	Lower	Upper
180	100	
182	94.4	47.6 142.8
145	31.9	16.4 49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#94

Hexachlorobutadiene

Concen: 54.72 ug/l

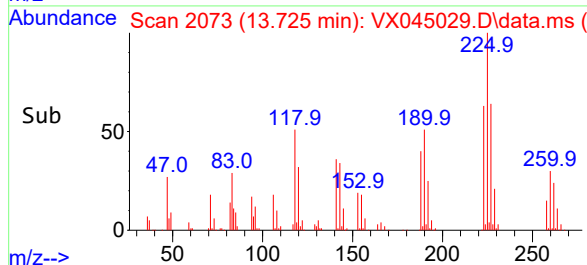
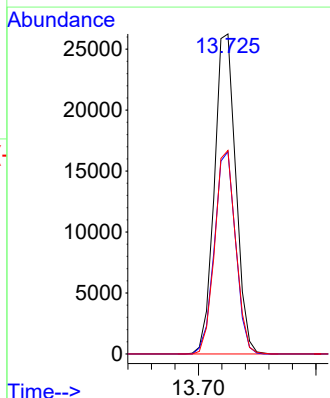
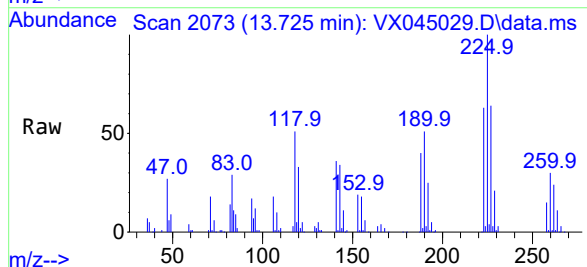
RT: 13.725 min Scan# 2073

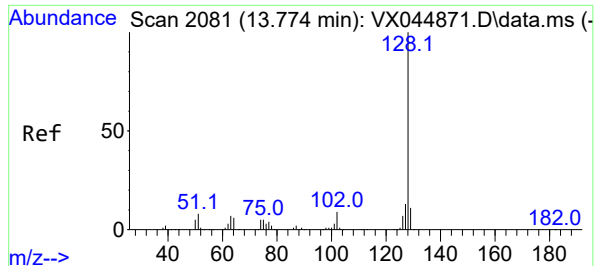
Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Tgt Ion:225	Resp:	33272
Ion Ratio	Lower	Upper
225	100	
223	62.3	31.4 94.2
227	62.2	32.3 96.8





#95

Naphthalene

Concen: 53.70 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

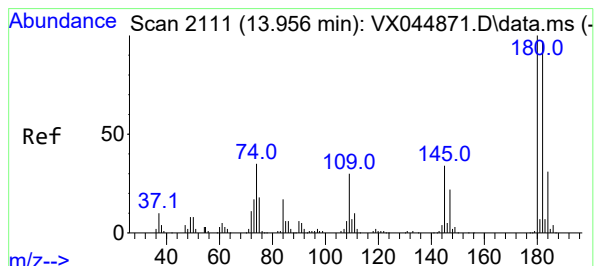
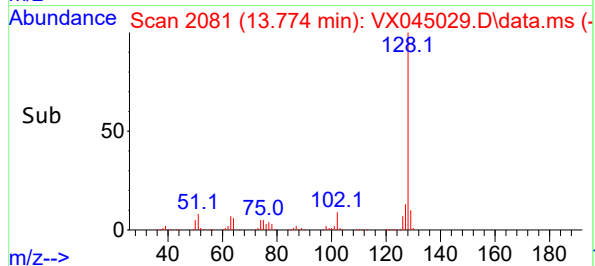
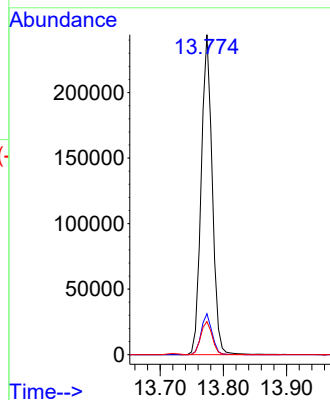
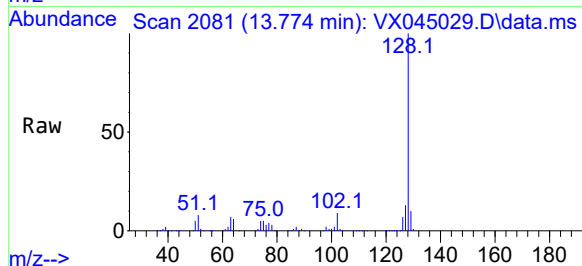
VSTDCCC050

Tgt Ion:	128	Resp:	29734
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.8	8.9	13.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#96

1,2,3-Trichlorobenzene

Concen: 53.83 ug/l

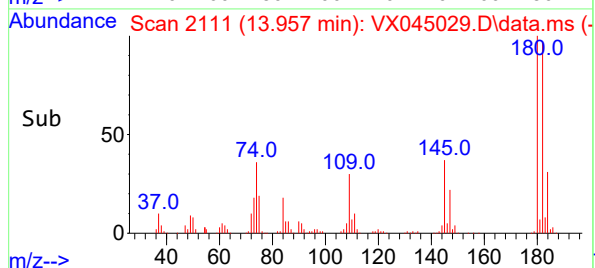
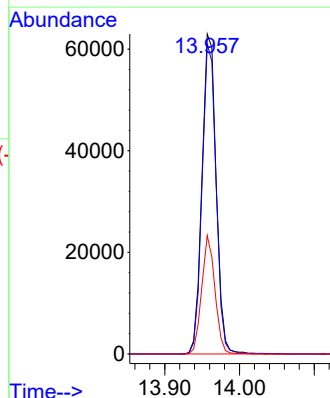
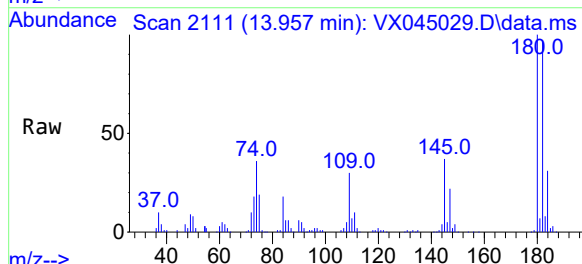
RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Tgt Ion:	180	Resp:	83085
Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.6
145	34.5	17.1	51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045029.D
Acq On : 25 Feb 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 26 03:11:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 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	86	0.00
2 T	Dichlorodifluoromethane	0.701	0.678	3.3	83	0.00
3 P	Chloromethane	0.854	0.745	12.8	76	0.00
4 C	Vinyl Chloride	0.827	0.732	11.5#	78	0.00
5 T	Bromomethane	0.247	0.252	-2.0	87	0.00
6 T	Chloroethane	0.307	0.346	-12.7	87	0.00
7 T	Trichlorofluoromethane	1.046	1.033	1.2	86	0.00
8 T	Diethyl Ether	0.379	0.372	1.8	85	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.632	0.617	2.4	85	0.00
10 T	Methyl Iodide	0.819	0.608	25.8#	62	0.00
11 T	Tert butyl alcohol	0.136	0.132	2.9	83	0.00
12 CM	1,1-Dichloroethene	0.644	0.593	7.9#	81	0.00
13 T	Acrolein	0.140	0.077	45.0#	47#	0.00
14 T	Allyl chloride	1.165	1.110	4.7	83	0.00
15 T	Acrylonitrile	0.363	0.385	-6.1	88	0.00
16 T	Acetone	0.294	0.364	-23.8	107	0.00
17 T	Carbon Disulfide	1.767	1.454	17.7	71	0.00
18 T	Methyl Acetate	0.928	1.092	-17.7	100	0.00
19 T	Methyl tert-butyl Ether	2.050	1.972	3.8	83	0.00
20 T	Methylene Chloride	0.721	0.673	6.7	82	0.00
21 T	trans-1,2-Dichloroethene	0.634	0.582	8.2	78	0.00
22 T	Diisopropyl ether	2.203	2.208	-0.2	85	0.00
23 T	Vinyl Acetate	1.796	1.781	0.8	82	0.00
24 P	1,1-Dichloroethane	1.233	1.194	3.2	84	0.00
25 T	2-Butanone	0.478	0.544	-13.8	93	0.00
26 T	2,2-Dichloropropane	0.978	0.903	7.7	82	0.00
27 T	cis-1,2-Dichloroethene	0.762	0.721	5.4	82	0.00
28 T	Bromochloromethane	0.593	0.499	15.9	74	0.00
29 T	Tetrahydrofuran	0.317	0.343	-8.2	90	0.00
30 C	Chloroform	1.196	1.170	2.2#	86	0.00
31 T	Cyclohexane	1.137	1.019	10.4	78	0.00
32 T	1,1,1-Trichloroethane	1.014	0.979	3.5	84	0.00
33 S	1,2-Dichloroethane-d4	0.732	0.737	-0.7	88	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	81	0.00
35 S	Dibromofluoromethane	0.325	0.348	-7.1	88	0.00
36 T	1,1-Dichloropropene	0.469	0.456	2.8	80	-0.01
37 T	Ethyl Acetate	0.522	0.566	-8.4	87	0.00
38 T	Carbon Tetrachloride	0.460	0.478	-3.9	85	0.00
39 T	Methylcyclohexane	0.606	0.609	-0.5	79	0.00
40 TM	Benzene	1.465	1.459	0.4	80	0.00
41 T	Methacrylonitrile	0.279	0.327	-17.2	88	0.00
42 TM	1,2-Dichloroethane	0.467	0.504	-7.9	86	0.00
43 T	Isopropyl Acetate	0.842	0.927	-10.1	85	0.00
44 TM	Trichloroethene	0.335	0.339	-1.2	82	0.00
45 C	1,2-Dichloropropane	0.364	0.376	-3.3#	83	0.00
46 T	Dibromomethane	0.253	0.264	-4.3	84	0.00
47 T	Bromodichloromethane	0.489	0.538	-10.0	87	0.00
48 T	Methyl methacrylate	0.397	0.454	-14.4	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045029.D
Acq On : 25 Feb 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 26 03:11:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 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	85	0.00
50 S	Toluene-d8	1.229	1.235	-0.5	81	0.00
51 T	4-Methyl-2-Pentanone	0.512	0.618	-20.7	90	0.00
52 CM	Toluene	0.872	0.882	-1.1#	79	0.00
53 T	t-1,3-Dichloropropene	0.495	0.515	-4.0	81	0.00
54 T	cis-1,3-Dichloropropene	0.552	0.576	-4.3	81	0.00
55 T	1,1,2-Trichloroethane	0.335	0.356	-6.3	84	0.00
56 T	Ethyl methacrylate	0.542	0.585	-7.9	82	0.00
57 T	1,3-Dichloropropane	0.587	0.611	-4.1	82	0.00
58 T	2-Chloroethyl Vinyl ether	0.266	0.301	-13.2	84	0.00
59 T	2-Hexanone	0.369	0.458	-24.1	92	0.00
60 T	Dibromochloromethane	0.359	0.394	-9.7	85	0.00
61 T	1,2-Dibromoethane	0.340	0.365	-7.4	84	0.00
62 S	4-Bromofluorobenzene	0.414	0.445	-7.5	83	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	81	0.00
64 T	Tetrachloroethene	0.315	0.319	-1.3	83	0.00
65 PM	Chlorobenzene	1.074	1.097	-2.1	81	0.00
66 T	1,1,1,2-Tetrachloroethane	0.346	0.363	-4.9	83	0.00
67 C	Ethyl Benzene	1.895	1.927	-1.7#	81	0.00
68 T	m/p-Xylenes	0.699	0.720	-3.0	81	0.00
69 T	o-Xylene	0.701	0.716	-2.1	82	0.00
70 T	Styrene	1.130	1.200	-6.2	81	0.00
71 P	Bromoform	0.258	0.297	-15.1	86	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	83	0.00
73 T	Isopropylbenzene	4.026	3.989	0.9	82	0.00
74 T	N-amyl acetate	1.822	1.923	-5.5	84	0.00
75 P	1,1,2,2-Tetrachloroethane	1.383	1.395	-0.9	85	0.00
76 T	1,2,3-Trichloropropane	1.109	1.182	-6.6	88	0.00
77 T	Bromobenzene	0.913	0.936	-2.5	85	0.00
78 T	n-propylbenzene	4.647	4.678	-0.7	82	0.00
79 T	2-Chlorotoluene	2.856	2.822	1.2	82	0.00
80 T	1,3,5-Trimethylbenzene	3.267	3.303	-1.1	82	0.00
81 T	trans-1,4-Dichloro-2-butene	0.431	0.404	6.3	77	0.00
82 T	4-Chlorotoluene	3.160	3.178	-0.6	82	0.00
83 T	tert-Butylbenzene	3.305	3.360	-1.7	84	0.00
84 T	1,2,4-Trimethylbenzene	3.225	3.327	-3.2	82	0.00
85 T	sec-Butylbenzene	4.093	4.210	-2.9	84	0.00
86 T	p-Isopropyltoluene	3.291	3.457	-5.0	84	0.00
87 T	1,3-Dichlorobenzene	1.678	1.702	-1.4	84	0.00
88 T	1,4-Dichlorobenzene	1.697	1.703	-0.4	84	0.00
89 T	n-Butylbenzene	2.912	3.152	-8.2	84	0.00
90 T	Hexachloroethane	0.616	0.619	-0.5	83	0.00
91 T	1,2-Dichlorobenzene	1.650	1.713	-3.8	85	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.252	0.277	-9.9	89	0.00
93 T	1,2,4-Trichlorobenzene	0.998	1.074	-7.6	88	0.00
94 T	Hexachlorobutadiene	0.396	0.434	-9.6	94	0.00
95 T	Naphthalene	3.608	3.876	-7.4	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045029.D
Acq On : 25 Feb 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 26 03:11:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 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	1.006	1.083	-7.7	87	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045029.D
Acq On : 25 Feb 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 26 03:11:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 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	86	0.00
2 T	Dichlorodifluoromethane	50.000	48.325	3.3	83	0.00
3 P	Chloromethane	50.000	43.641	12.7	76	0.00
4 C	Vinyl Chloride	50.000	44.262	11.5#	78	0.00
5 T	Bromomethane	50.000	50.858	-1.7	87	0.00
6 T	Chloroethane	50.000	54.935	-9.9	87	0.00
7 T	Trichlorofluoromethane	50.000	49.375	1.3	86	0.00
8 T	Diethyl Ether	50.000	49.070	1.9	85	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.843	2.3	85	0.00
10 T	Methyl Iodide	50.000	37.102	25.8#	62	0.00
11 T	Tert butyl alcohol	250.000	242.666	2.9	83	0.00
12 CM	1,1-Dichloroethene	50.000	45.975	8.0#	81	0.00
13 T	Acrolein	250.000	138.096	44.8#	47	0.00
14 T	Allyl chloride	50.000	47.664	4.7	83	0.00
15 T	Acrylonitrile	250.000	265.353	-6.1	88	0.00
16 T	Acetone	250.000	308.999	-23.6	107	0.00
17 T	Carbon Disulfide	50.000	41.125	17.8	71	0.00
18 T	Methyl Acetate	50.000	58.830	-17.7	100	0.00
19 T	Methyl tert-butyl Ether	50.000	48.094	3.8	83	0.00
20 T	Methylene Chloride	50.000	46.681	6.6	82	0.00
21 T	trans-1,2-Dichloroethene	50.000	45.895	8.2	78	0.00
22 T	Diisopropyl ether	50.000	50.110	-0.2	85	0.00
23 T	Vinyl Acetate	250.000	247.805	0.9	82	0.00
24 P	1,1-Dichloroethane	50.000	48.441	3.1	84	0.00
25 T	2-Butanone	250.000	284.540	-13.8	93	0.00
26 T	2,2-Dichloropropane	50.000	46.181	7.6	82	0.00
27 T	cis-1,2-Dichloroethene	50.000	47.310	5.4	82	0.00
28 T	Bromochloromethane	50.000	42.098	15.8	74	0.00
29 T	Tetrahydrofuran	250.000	270.334	-8.1	90	0.00
30 C	Chloroform	50.000	48.935	2.1#	86	0.00
31 T	Cyclohexane	50.000	44.815	10.4	78	0.00
32 T	1,1,1-Trichloroethane	50.000	48.255	3.5	84	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.334	-0.7	88	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	81	0.00
35 S	Dibromofluoromethane	50.000	53.583	-7.2	88	0.00
36 T	1,1-Dichloropropene	50.000	48.612	2.8	80	-0.01
37 T	Ethyl Acetate	50.000	54.239	-8.5	87	0.00
38 T	Carbon Tetrachloride	50.000	52.043	-4.1	85	0.00
39 T	Methylcyclohexane	50.000	50.213	-0.4	79	0.00
40 TM	Benzene	50.000	49.801	0.4	80	0.00
41 T	Methacrylonitrile	50.000	58.641	-17.3	88	0.00
42 TM	1,2-Dichloroethane	50.000	54.001	-8.0	86	0.00
43 T	Isopropyl Acetate	50.000	55.008	-10.0	85	0.00
44 TM	Trichloroethene	50.000	50.640	-1.3	82	0.00
45 C	1,2-Dichloropropane	50.000	51.537	-3.1#	83	0.00
46 T	Dibromomethane	50.000	52.221	-4.4	84	0.00
47 T	Bromodichloromethane	50.000	54.965	-9.9	87	0.00
48 T	Methyl methacrylate	50.000	57.145	-14.3	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045029.D
Acq On : 25 Feb 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 26 03:11:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 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	1108.259	-10.8	85	0.00
50 S	Toluene-d8	50.000	50.240	-0.5	81	0.00
51 T	4-Methyl-2-Pentanone	250.000	301.506	-20.6	90	0.00
52 CM	Toluene	50.000	50.555	-1.1#	79	0.00
53 T	t-1,3-Dichloropropene	50.000	52.043	-4.1	81	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.194	-4.4	81	0.00
55 T	1,1,2-Trichloroethane	50.000	53.137	-6.3	84	0.00
56 T	Ethyl methacrylate	50.000	54.048	-8.1	82	0.00
57 T	1,3-Dichloropropane	50.000	52.114	-4.2	82	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	282.696	-13.1	84	0.00
59 T	2-Hexanone	250.000	310.511	-24.2	92	0.00
60 T	Dibromochloromethane	50.000	54.989	-10.0	85	0.00
61 T	1,2-Dibromoethane	50.000	53.751	-7.5	84	0.00
62 S	4-Bromofluorobenzene	50.000	53.745	-7.5	83	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	81	0.00
64 T	Tetrachloroethene	50.000	50.505	-1.0	83	0.00
65 PM	Chlorobenzene	50.000	51.053	-2.1	81	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.573	-5.1	83	0.00
67 C	Ethyl Benzene	50.000	50.837	-1.7#	81	0.00
68 T	m/p-Xylenes	100.000	102.928	-2.9	81	0.00
69 T	o-Xylene	50.000	51.027	-2.1	82	0.00
70 T	Styrene	50.000	53.091	-6.2	81	0.00
71 P	Bromoform	50.000	57.661	-15.3	86	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	83	0.00
73 T	Isopropylbenzene	50.000	49.541	0.9	82	0.00
74 T	N-amyl acetate	50.000	52.789	-5.6	84	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	50.435	-0.9	85	0.00
76 T	1,2,3-Trichloropropane	50.000	53.305	-6.6	88	0.00
77 T	Bromobenzene	50.000	51.295	-2.6	85	0.00
78 T	n-propylbenzene	50.000	50.330	-0.7	82	0.00
79 T	2-Chlorotoluene	50.000	49.409	1.2	82	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.543	-1.1	82	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	46.906	6.2	77	0.00
82 T	4-Chlorotoluene	50.000	50.290	-0.6	82	0.00
83 T	tert-Butylbenzene	50.000	50.829	-1.7	84	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.588	-3.2	82	0.00
85 T	sec-Butylbenzene	50.000	51.431	-2.9	84	0.00
86 T	p-Isopropyltoluene	50.000	52.511	-5.0	84	0.00
87 T	1,3-Dichlorobenzene	50.000	50.690	-1.4	84	0.00
88 T	1,4-Dichlorobenzene	50.000	50.162	-0.3	84	0.00
89 T	n-Butylbenzene	50.000	54.129	-8.3	84	0.00
90 T	Hexachloroethane	50.000	50.227	-0.5	83	0.00
91 T	1,2-Dichlorobenzene	50.000	51.908	-3.8	85	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	54.762	-9.5	89	0.00
93 T	1,2,4-Trichlorobenzene	50.000	53.815	-7.6	88	0.00
94 T	Hexachlorobutadiene	50.000	54.720	-9.4	94	0.00
95 T	Naphthalene	50.000	53.704	-7.4	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045029.D
Acq On : 25 Feb 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 26 03:11:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 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	53.834	-7.7	87	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: TETR06

Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG No.: Q1423

Instrument ID: MSVOA_X Calibration Date/Time: 02/25/2025 16:28

Lab File ID: VX045042.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.854	0.726	0.1	-14.99	50
Vinyl Chloride	0.827	0.730		-11.73	50
Bromomethane	0.247	0.257		4.05	50
Chloroethane	0.307	0.394		28.34	50
Trichlorofluoromethane	1.046	1.033		-1.24	50
1,1,2-Trichlorotrifluoroethane	0.632	0.618		-2.21	50
1,1-Dichloroethene	0.644	0.588		-8.7	50
Acetone	0.294	0.351		19.39	50
Carbon Disulfide	1.767	1.404		-20.54	50
Methyl tert-butyl Ether	2.050	1.999		-2.49	50
Methylene Chloride	0.721	0.693		-3.88	50
trans-1,2-Dichloroethene	0.634	0.586		-7.57	50
1,1-Dichloroethane	1.233	1.217	0.1	-1.3	50
2-Butanone	0.478	0.582		21.76	50
Carbon Tetrachloride	0.460	0.456		-0.87	50
cis-1,2-Dichloroethene	0.762	0.735		-3.54	50
Chloroform	1.196	1.210		1.17	50
1,1,1-Trichloroethane	1.014	0.999		-1.48	50
Methylcyclohexane	0.606	0.586		-3.3	50
Benzene	1.465	1.440		-1.71	50
1,2-Dichloroethane	0.467	0.512		9.64	50
Trichloroethene	0.335	0.332		-0.9	50
1,2-Dichloropropane	0.364	0.369		1.37	50
Bromodichloromethane	0.489	0.527		7.77	50
4-Methyl-2-Pentanone	0.512	0.643		25.59	50
Toluene	0.872	0.881		1.03	50
t-1,3-Dichloropropene	0.495	0.493		-0.4	50
cis-1,3-Dichloropropene	0.552	0.553		0.18	50
1,1,2-Trichloroethane	0.335	0.357		6.57	50
2-Hexanone	0.369	0.477		29.27	50
Dibromochloromethane	0.359	0.388		8.08	50
Tetrachloroethene	0.315	0.301		-4.44	50
Chlorobenzene	1.074	1.075	0.3	0.09	50
Ethyl Benzene	1.895	1.889		-0.32	50
m/p-Xylenes	0.699	0.704		0.71	50
o-Xylene	0.701	0.697		-0.57	50
Styrene	1.130	1.186		4.96	50
Bromoform	0.258	0.284	0.1	10.08	50

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: TETR06
 Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG No.: Q1423
 Instrument ID: MSVOA_X Calibration Date/Time: 02/25/2025 16:28
 Lab File ID: VX045042.D Init. Calib. Date(s): 02/10/2025 02/10/2025
 Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28
 GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	4.026	3.925		-2.51	50
1,1,2,2-Tetrachloroethane	1.383	1.401	0.3	1.3	50
1,3-Dichlorobenzene	1.678	1.635		-2.56	50
1,4-Dichlorobenzene	1.697	1.651		-2.71	50
1,2-Dichlorobenzene	1.650	1.641		-0.55	50
1,2-Dichloroethane-d4	0.732	0.643		-12.16	50
Dibromofluoromethane	0.325	0.287		-11.69	50
Toluene-d8	1.229	1.046		-14.89	50
4-Bromofluorobenzene	0.414	0.377		-8.94	50

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\VX022525\
 Data File : VX045042.D
 Acq On : 25 Feb 2025 16:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By : John Carlone 02/26/2025
 Supervised By : Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 03:18:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	101525	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181291	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	162818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	75432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65263	43.914	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.820%		
35) Dibromofluoromethane	5.385	113	52051	44.160	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.320%		
50) Toluene-d8	8.647	98	189599	42.538	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	85.080%#		
62) 4-Bromofluorobenzene	11.079	95	68375	45.505	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	91.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	67197	47.191	ug/l	99
3) Chloromethane	1.307	50	73673	42.510	ug/l	98
4) Vinyl Chloride	1.374	62	74122	44.148	ug/l	99
5) Bromomethane	1.593	94	26080	51.910	ug/l	97
6) Chloroethane	1.666	64	40050	65.667	ug/l	99
7) Trichlorofluoromethane	1.874	101	104892	49.402	ug/l	99
8) Diethyl Ether	2.130	74	38078	49.451	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	62754	48.918	ug/l	98
10) Methyl Iodide	2.440	142	67667	40.700	ug/l	98
11) Tert butyl alcohol	2.977	59	77483	281.037	ug/l	100
12) 1,1-Dichloroethene	2.306	96	59655	45.588	ug/l	95
13) Acrolein	2.233	56	72712	255.616	ug/l	99
14) Allyl chloride	2.654	41	113275	47.898	ug/l	97
15) Acrylonitrile	3.062	53	210213	285.568	ug/l	98
16) Acetone	2.386	43	178266	298.382	ug/l	97
17) Carbon Disulfide	2.501	76	142557	39.728	ug/l	100
18) Methyl Acetate	2.703	43	118283	62.739	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	202983	48.753	ug/l	99
20) Methylene Chloride	2.782	84	70354	48.077	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	59522	46.216	ug/l	95
22) Diisopropyl ether	3.757	45	227456	50.838	ug/l	94
23) Vinyl Acetate	3.721	43	923900	253.291	ug/l	99
24) 1,1-Dichloroethane	3.605	63	123599	49.371	ug/l	100
25) 2-Butanone	4.556	43	295559	304.657	ug/l	95
26) 2,2-Dichloropropane	4.465	77	83886	42.253	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	74648	48.253	ug/l	99
28) Bromochloromethane	4.891	49	55770	46.355	ug/l	99
29) Tetrahydrofuran	5.001	42	190035	294.997	ug/l	98
30) Chloroform	5.086	83	122880	50.613	ug/l	100
31) Cyclohexane	5.458	56	104875	45.441	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	101440	49.259	ug/l	98
36) 1,1-Dichloropropene	5.684	75	81048	47.660	ug/l	100
37) Ethyl Acetate	4.714	43	107870	57.029	ug/l	99
38) Carbon Tetrachloride	5.672	117	82597	49.565	ug/l	97
39) Methylcyclohexane	7.373	83	106224	48.316	ug/l	98
40) Benzene	6.031	78	261113	49.173	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
 Data File : VX045042.D
 Acq On : 25 Feb 2025 16:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By : John Carlone 02/26/2025
 Supervised By : Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 03:18:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	61329	60.575	ug/l	98
42) 1,2-Dichloroethane	6.080	62	92805	54.837	ug/l	99
43) Isopropyl Acetate	6.336	43	166895	54.640	ug/l	99
44) Trichloroethene	7.123	130	60229	49.623	ug/l	97
45) 1,2-Dichloropropane	7.427	63	66819	50.580	ug/l	99
46) Dibromomethane	7.580	93	48023	52.418	ug/l	99
47) Bromodichloromethane	7.818	83	95545	53.860	ug/l	98
48) Methyl methacrylate	7.690	41	84221	58.478	ug/l	96
49) 1,4-Dioxane	7.659	88	38186	1235.809	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	583086	314.005	ug/l	97
52) Toluene	8.714	92	159793	50.528	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	89317	49.754	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	100279	50.101	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	64638	53.170	ug/l	98
56) Ethyl methacrylate	9.116	69	107605	54.804	ug/l	98
57) 1,3-Dichloropropane	9.305	76	112282	52.787	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	247138	256.347	ug/l	100
59) 2-Hexanone	9.427	43	432203	323.037	ug/l	97
60) Dibromochloromethane	9.518	129	70395	54.145	ug/l	99
61) 1,2-Dibromoethane	9.610	107	65764	53.373	ug/l	97
64) Tetrachloroethene	9.269	164	49089	47.807	ug/l	98
65) Chlorobenzene	10.079	112	174998	50.041	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	57484	51.070	ug/l	99
67) Ethyl Benzene	10.189	91	307513	49.830	ug/l	99
68) m/p-Xylenes	10.299	106	229102	100.639	ug/l	100
69) o-Xylene	10.640	106	113531	49.701	ug/l	99
70) Styrene	10.652	104	193148	52.483	ug/l	99
71) Bromoform	10.799	173	46194	54.990	ug/l #	99
73) Isopropylbenzene	10.963	105	296079	48.748	ug/l	99
74) N-amyl acetate	10.841	43	143282	52.132	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	105710	50.649	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	86868m	51.941	ug/l	
77) Bromobenzene	11.195	156	68416	49.685	ug/l	97
78) n-propylbenzene	11.305	91	344974	49.208	ug/l	100
79) 2-Chlorotoluene	11.360	91	207089	48.064	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	239463	48.584	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	28287	43.508	ug/l	92
82) 4-Chlorotoluene	11.451	91	233290	48.941	ug/l	99
83) tert-Butylbenzene	11.713	119	247205	49.578	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	246524	50.676	ug/l	100
85) sec-Butylbenzene	11.890	105	311825	50.503	ug/l	100
86) p-Isopropyltoluene	12.006	119	252793	50.912	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	123315	48.698	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	124506	48.630	ug/l	100
89) n-Butylbenzene	12.329	91	229601	52.268	ug/l	99
90) Hexachloroethane	12.536	117	44121	47.456	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	123772	49.733	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21247	55.778	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	75398	50.067	ug/l	98
94) Hexachlorobutadiene	13.725	225	31425	52.565	ug/l	98
95) Naphthalene	13.774	128	282517	51.898	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	76093	50.145	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045042.D
Acq On : 25 Feb 2025 16:28
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 03:18:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
 Data File : VX045042.D
 Acq On : 25 Feb 2025 16:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025

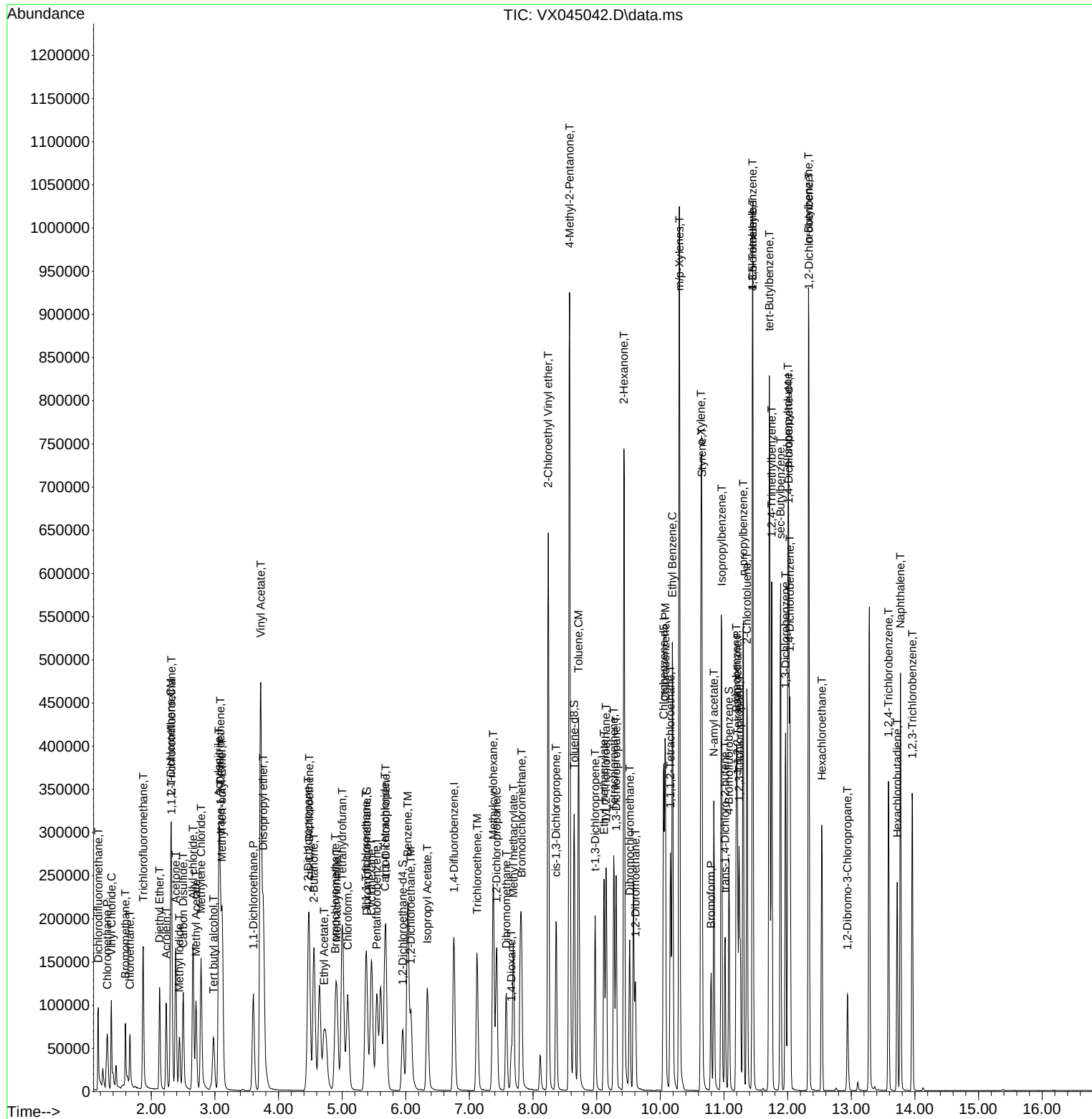
Quant Time: Feb 26 03:18:22 2025

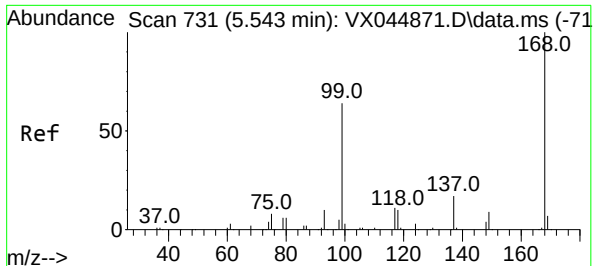
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M

Quant Title : SW846 8260

QLast Update : Tue Feb 11 03:41:08 2025

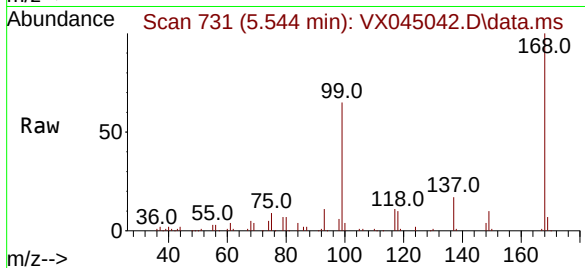
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.001 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

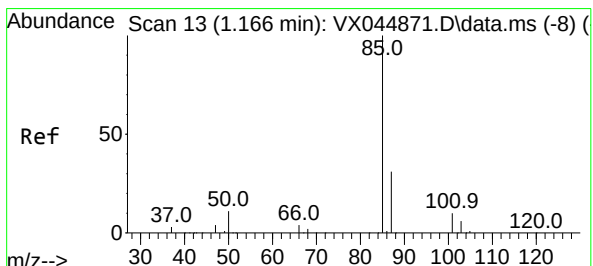
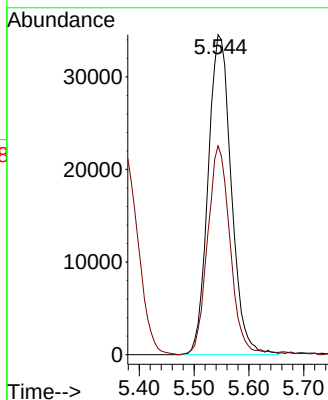
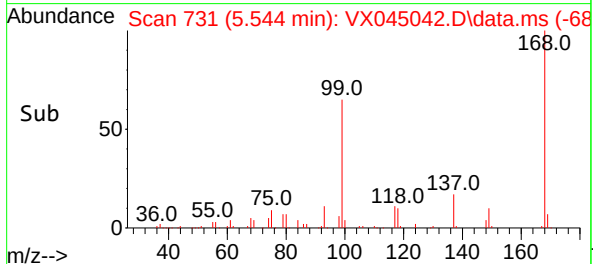
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



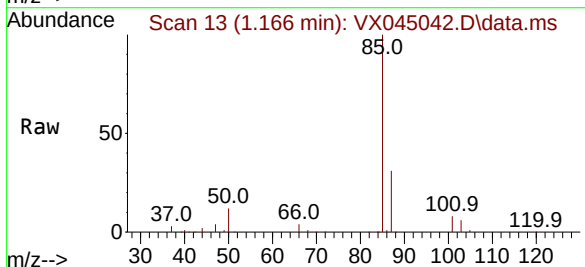
Tgt Ion:168 Resp: 10152
Ion Ratio Lower Upper
168 100
99 65.2 51.2 76.8

Manual Integrations
APPROVED

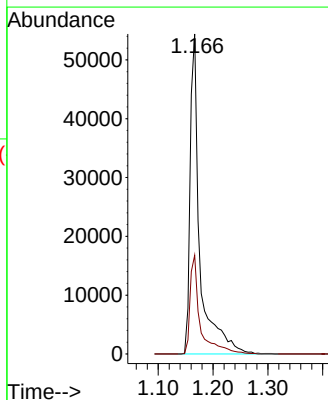
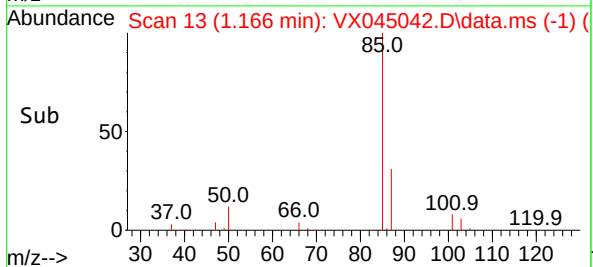
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

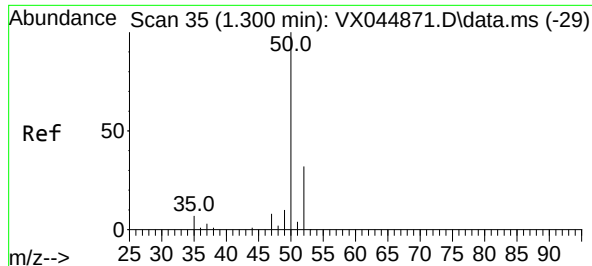


#2
Dichlorodifluoromethane
Concen: 47.191 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28



Tgt Ion: 85 Resp: 67197
Ion Ratio Lower Upper
85 100
87 30.9 15.8 47.3





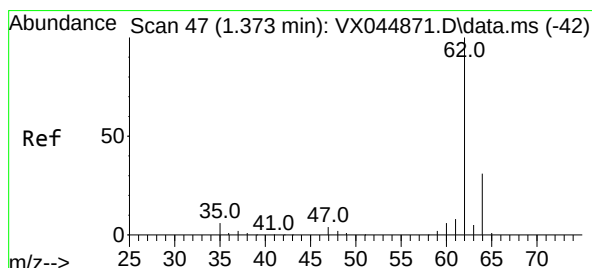
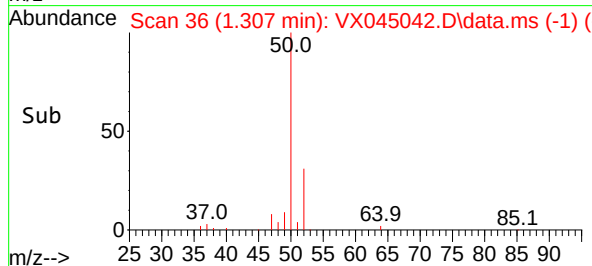
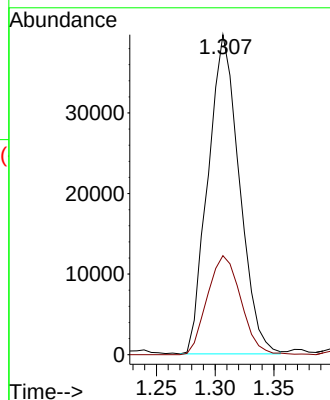
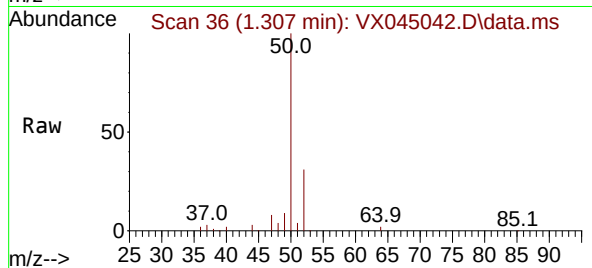
#3
Chloromethane
Concen: 42.510 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 7367
Ion Ratio Lower Upper
50 100
52 31.0 25.9 38.9

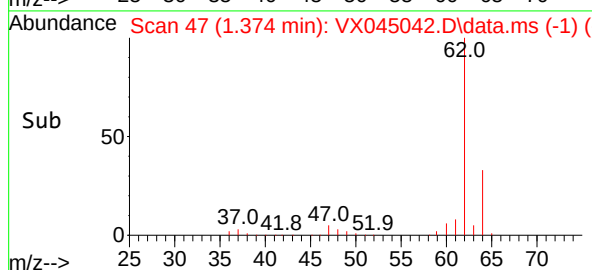
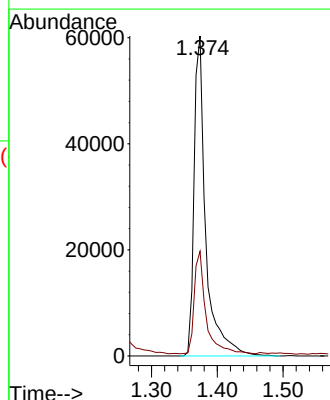
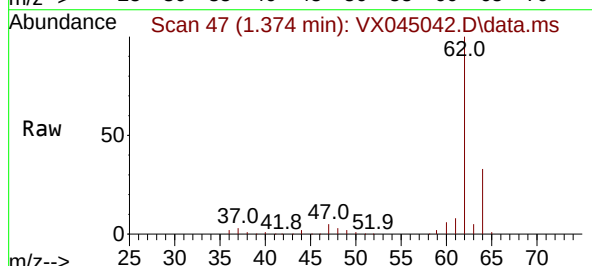
Manual Integrations
APPROVED

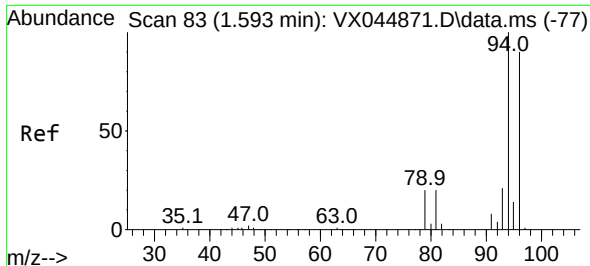
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#4
Vinyl Chloride
Concen: 44.148 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 62 Resp: 74122
Ion Ratio Lower Upper
62 100
64 32.0 25.4 38.0





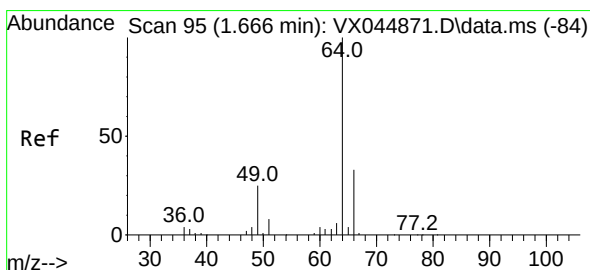
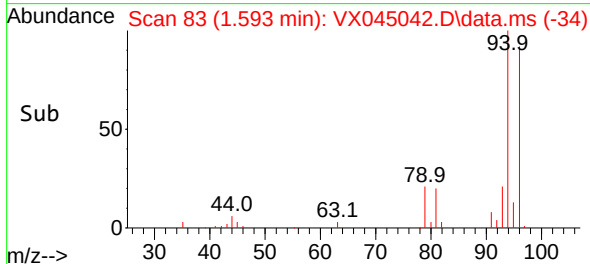
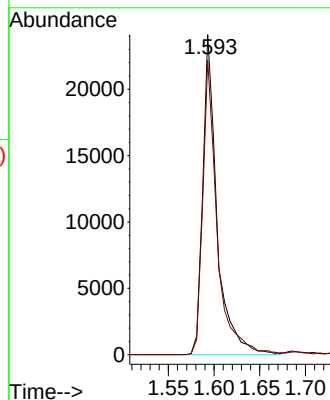
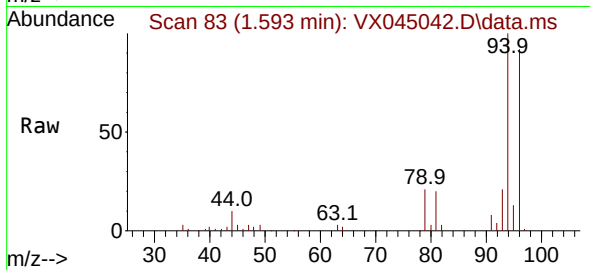
#5
Bromomethane
Concen: 51.910 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 26080
Ion Ratio Lower Upper
94 100
96 92.1 71.6 107.4

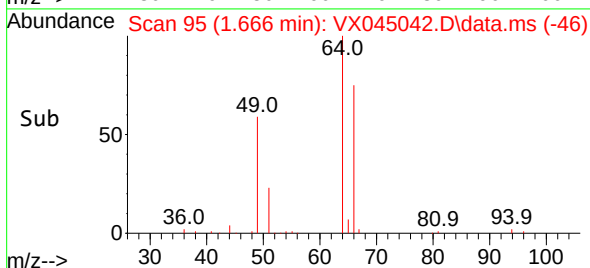
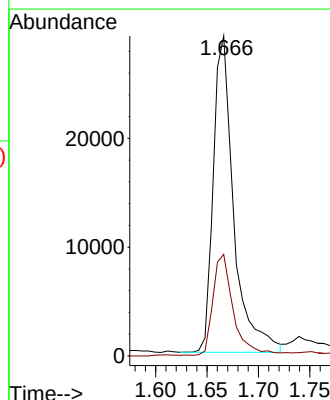
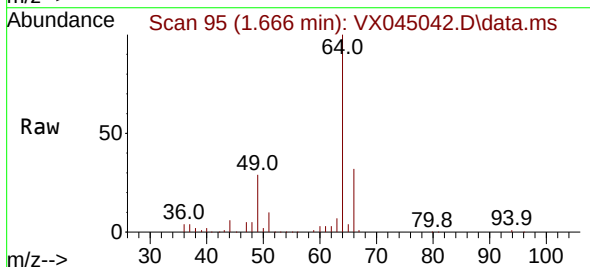
Manual Integrations
APPROVED

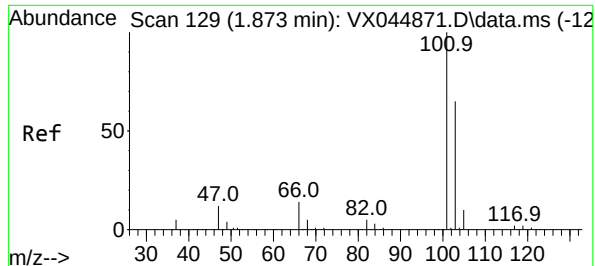
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#6
Chloroethane
Concen: 65.667 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

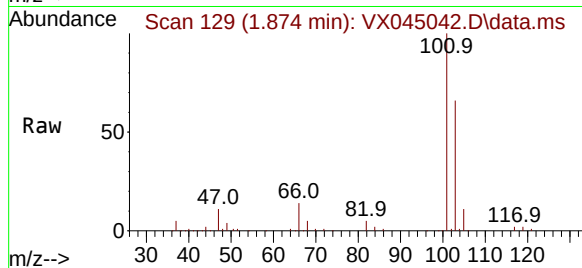
Tgt Ion: 64 Resp: 40050
Ion Ratio Lower Upper
64 100
66 32.0 25.9 38.9





#7
Trichlorofluoromethane
Concen: 49.402 ug/l
RT: 1.874 min Scan# 101
Delta R.T. 0.001 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

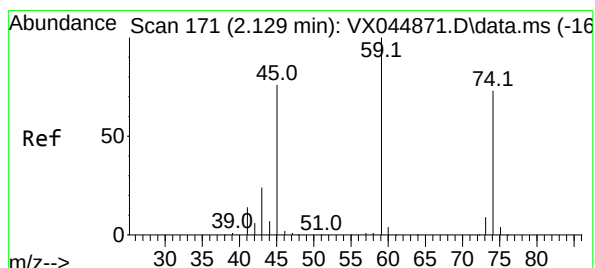
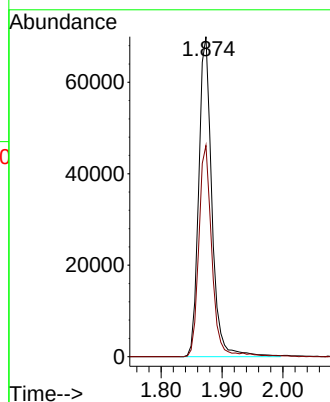
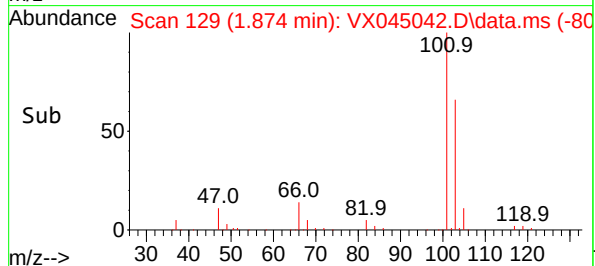
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:101 Resp: 104892
Ion Ratio Lower Upper
101 100
103 66.0 52.4 78.6

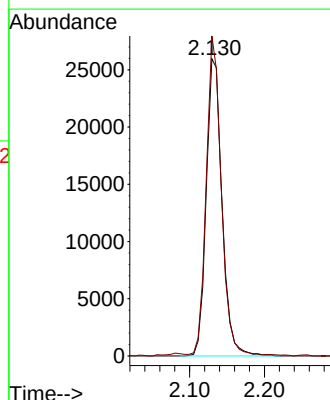
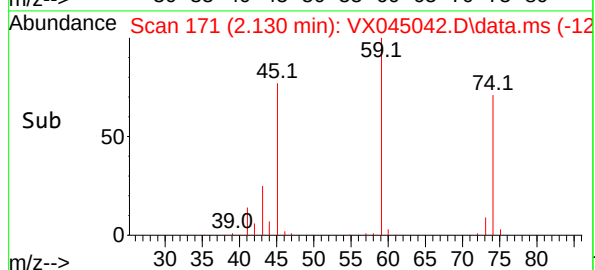
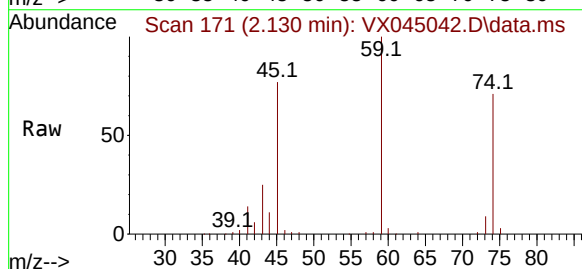
Manual Integrations
APPROVED

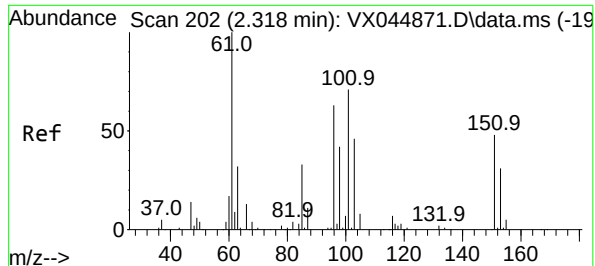
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#8
Diethyl Ether
Concen: 49.451 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 74 Resp: 38078
Ion Ratio Lower Upper
74 100
45 103.7 51.1 153.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.918 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

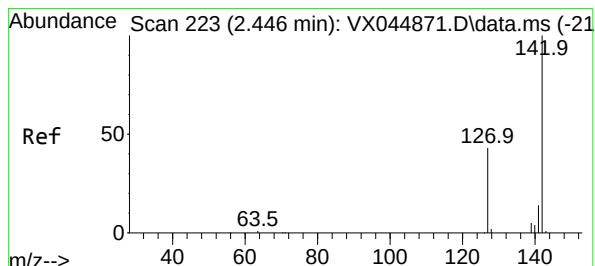
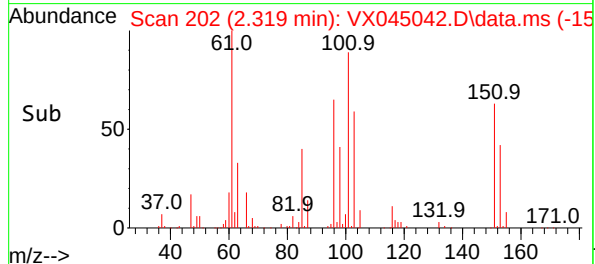
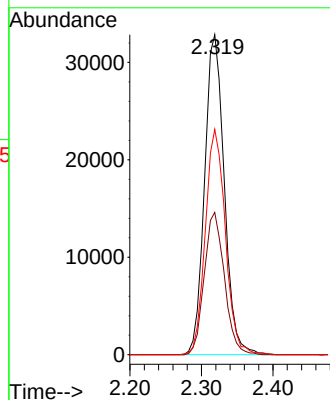
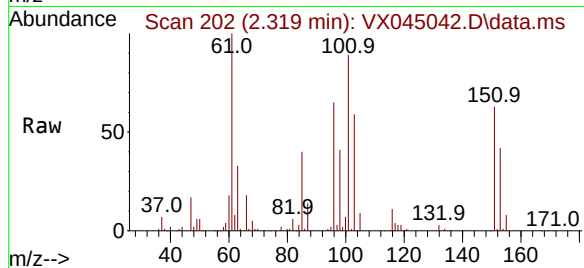
Tgt Ion:101	Resp: 62754
Ion Ratio	Lower Upper
101 100	
85 45.5	35.7 53.5
151 71.9	56.0 84.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#10

Methyl Iodide

Concen: 40.700 ug/l

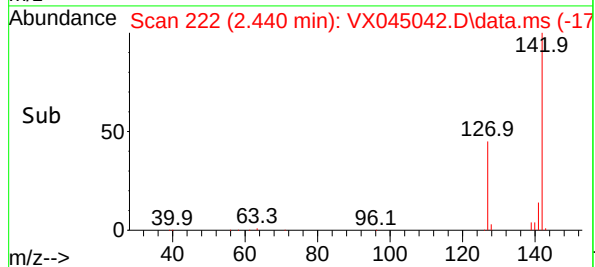
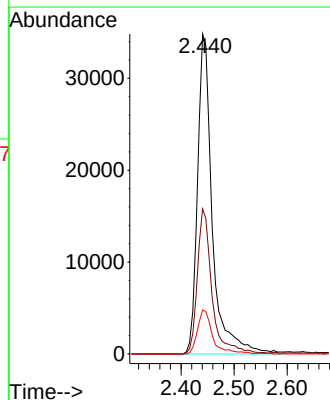
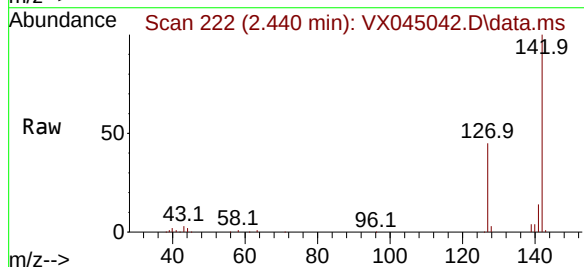
RT: 2.440 min Scan# 222

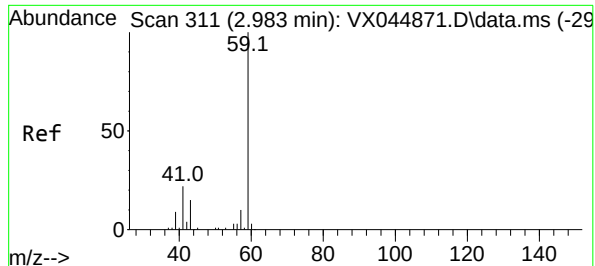
Delta R.T. -0.006 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Tgt Ion:142	Resp: 67667
Ion Ratio	Lower Upper
142 100	
127 44.7	34.3 51.5
141 14.1	11.4 17.2





#11

Tert butyl alcohol

Concen: 281.037 ug/l

RT: 2.977 min Scan# 311

Delta R.T. -0.006 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 59 Resp: 7748

Ion Ratio Lower Upper

59 100

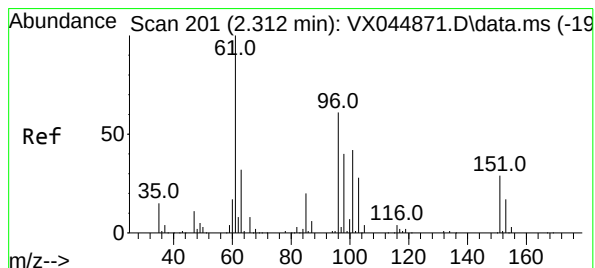
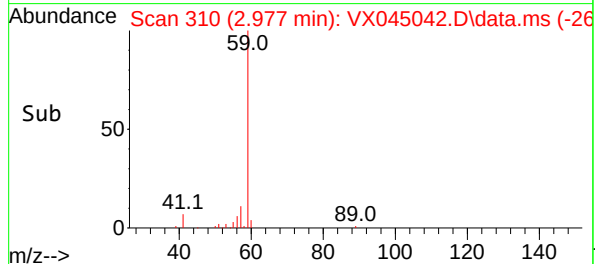
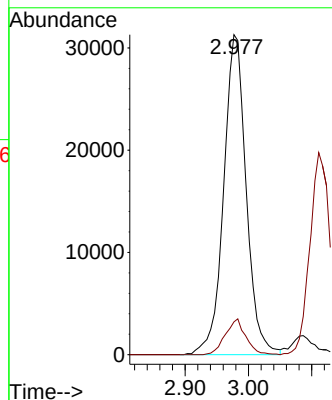
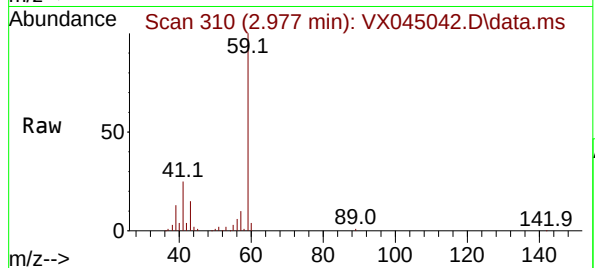
57 10.1 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#12

1,1-Dichloroethene

Concen: 45.588 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.006 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

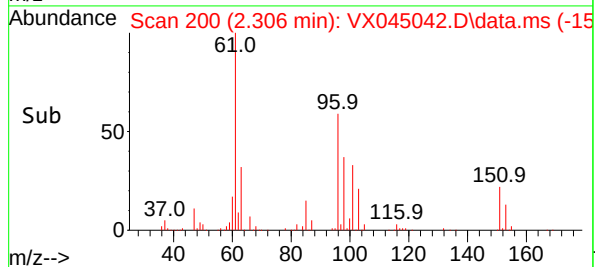
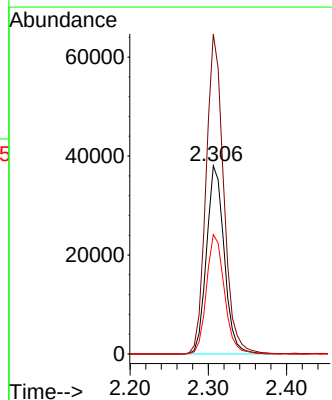
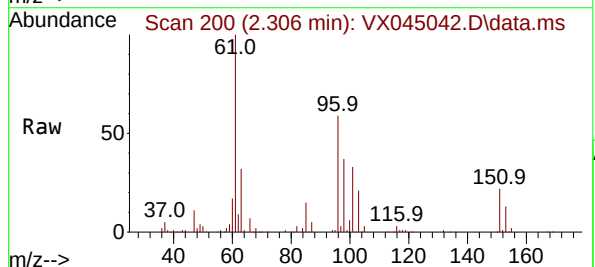
Tgt Ion: 96 Resp: 59655

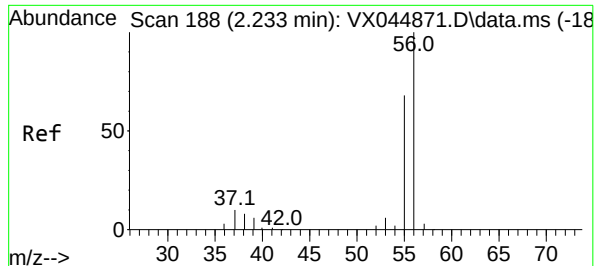
Ion Ratio Lower Upper

96 100

61 170.1 130.2 195.4

98 63.4 52.2 78.4





#13

Acrolein

Concen: 255.616 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 7271

Ion Ratio Lower Upper

56 100

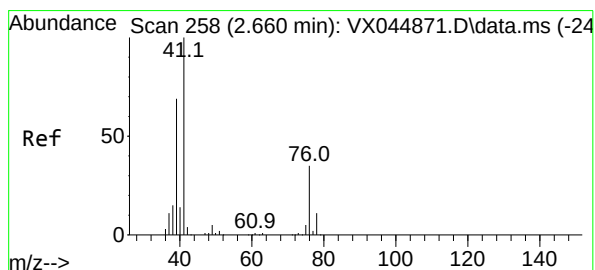
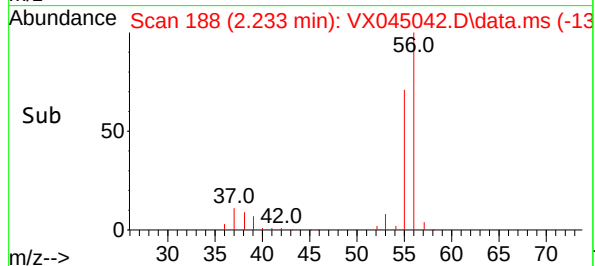
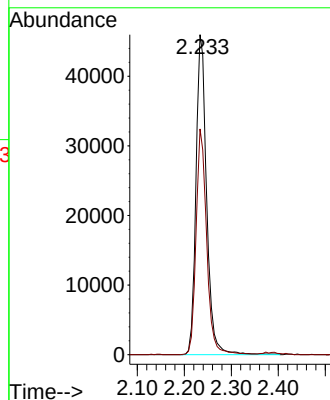
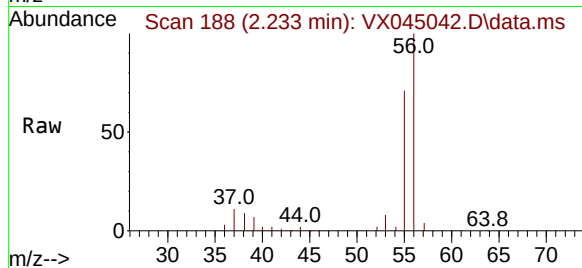
55 70.4 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#14

Allyl chloride

Concen: 47.898 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.006 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

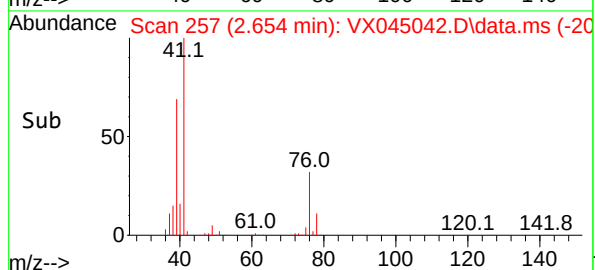
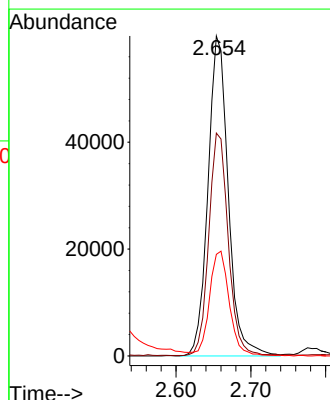
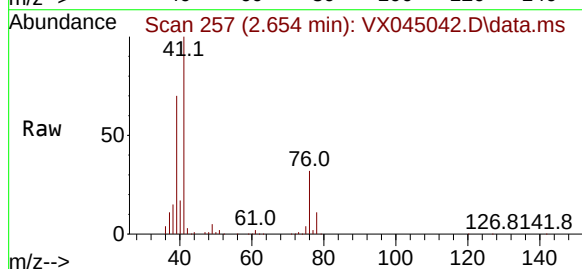
Tgt Ion: 41 Resp: 113275

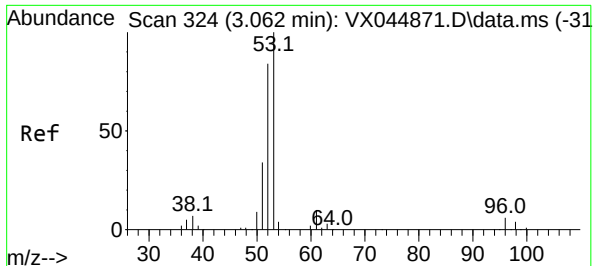
Ion Ratio Lower Upper

41 100

39 66.5 51.4 77.2

76 32.2 27.0 40.4





#15

Acrylonitrile

Concen: 285.568 ug/l

RT: 3.062 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 53 Resp: 21021

Ion Ratio Lower Upper

53 100

52 83.1 65.0 97.6

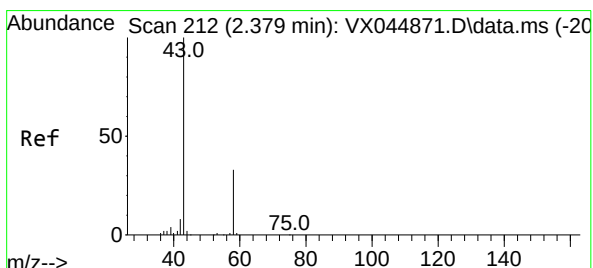
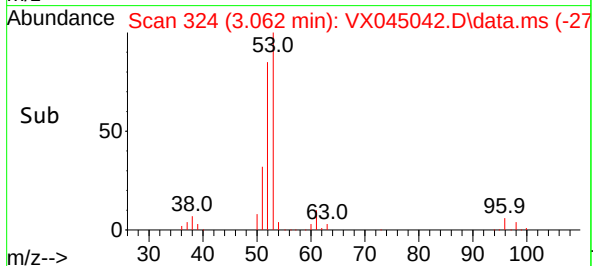
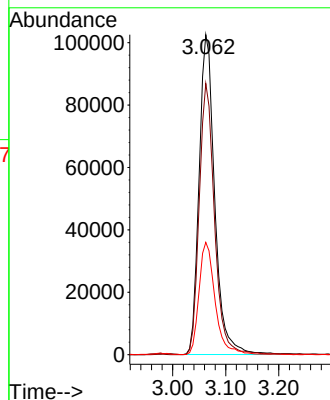
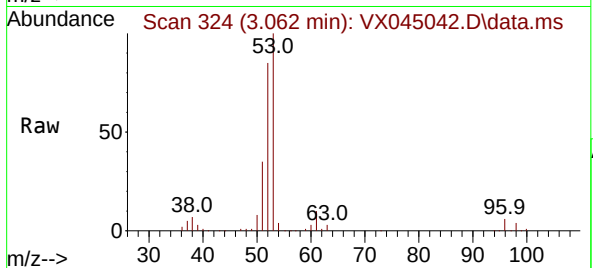
51 36.4 28.0 42.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#16

Acetone

Concen: 298.382 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX045042.D

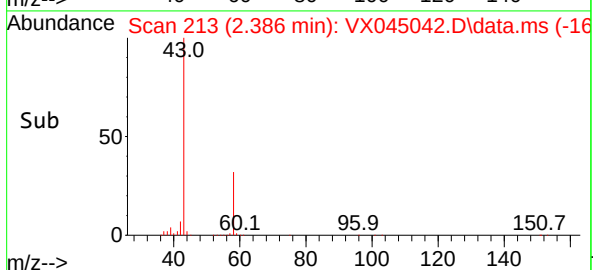
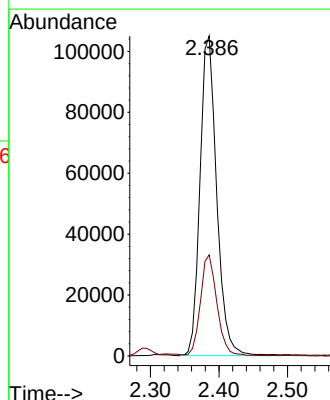
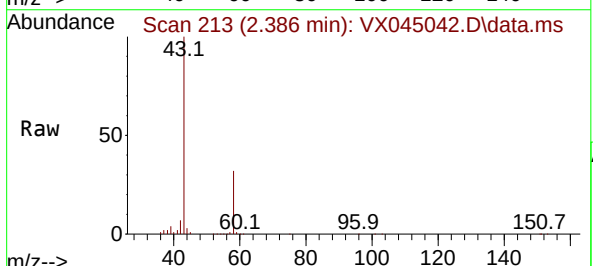
Acq: 25 Feb 2025 16:28

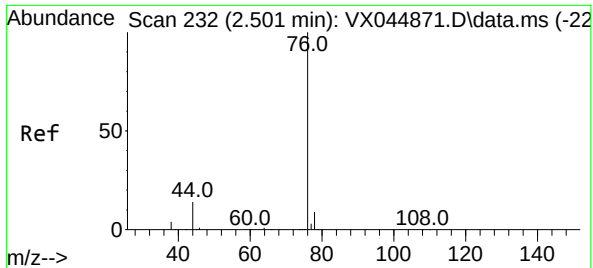
Tgt Ion: 43 Resp: 178266

Ion Ratio Lower Upper

43 100

58 31.5 26.5 39.7





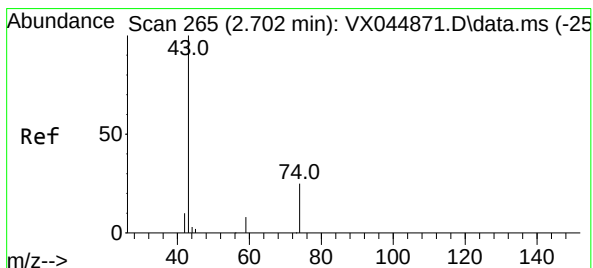
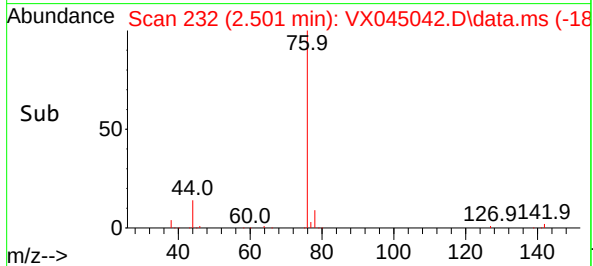
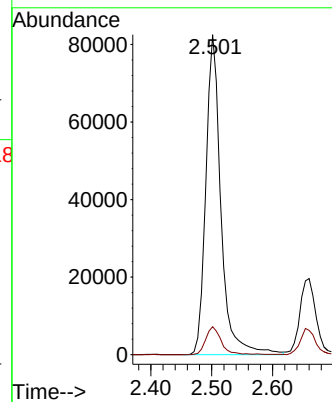
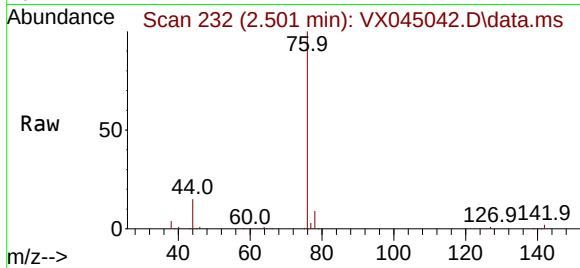
#17
Carbon Disulfide
Concen: 39.728 ug/l
RT: 2.501 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 14255
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4

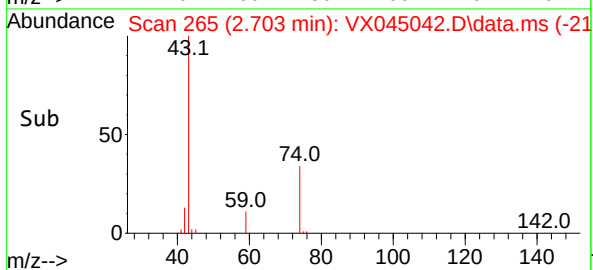
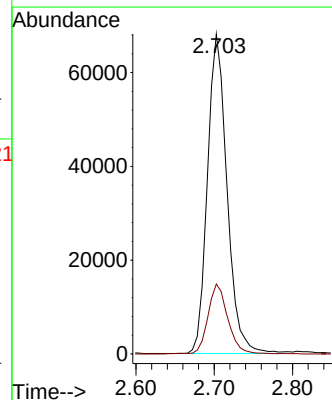
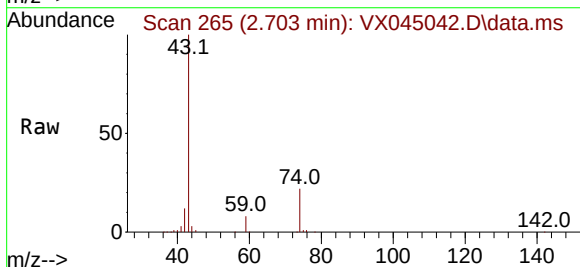
Manual Integrations
APPROVED

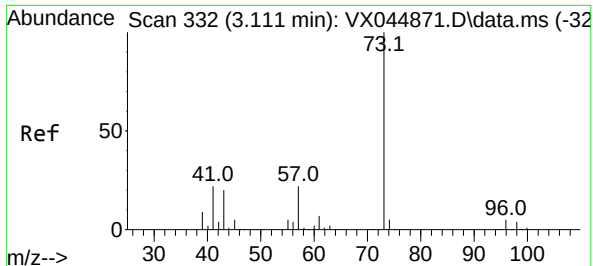
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#18
Methyl Acetate
Concen: 62.739 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 43 Resp: 118283
Ion Ratio Lower Upper
43 100
74 22.2 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 48.753 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 73 Resp: 20298

Ion Ratio Lower Upper

73 100

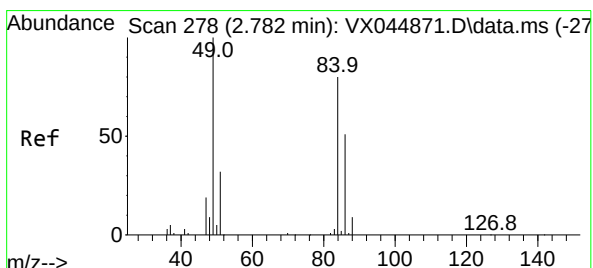
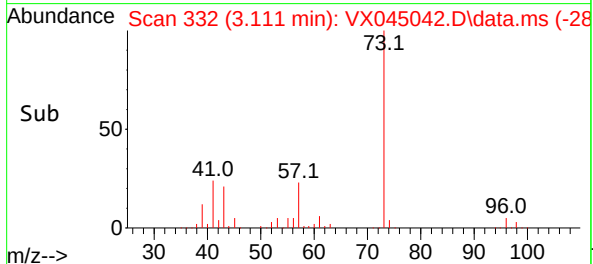
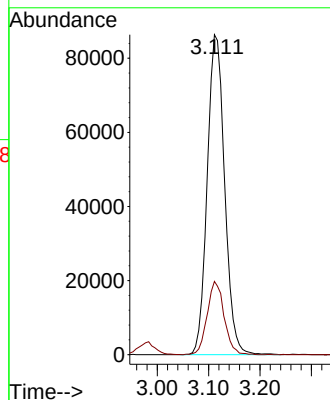
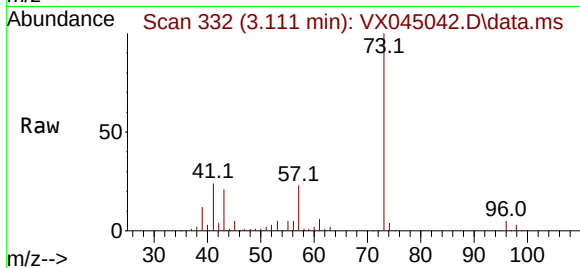
57 22.9 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#20

Methylene Chloride

Concen: 48.077 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Tgt Ion: 84 Resp: 70354

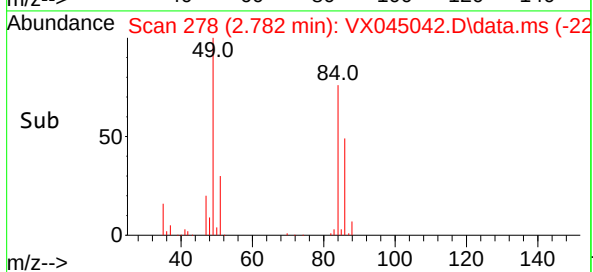
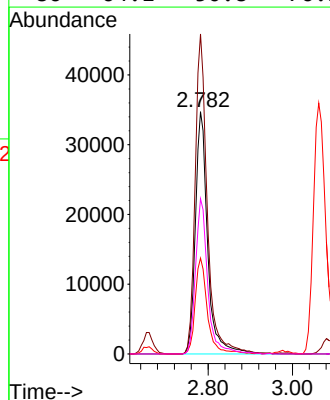
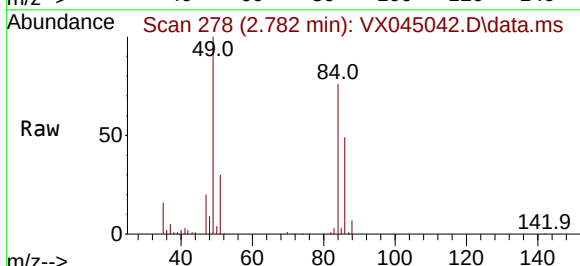
Ion Ratio Lower Upper

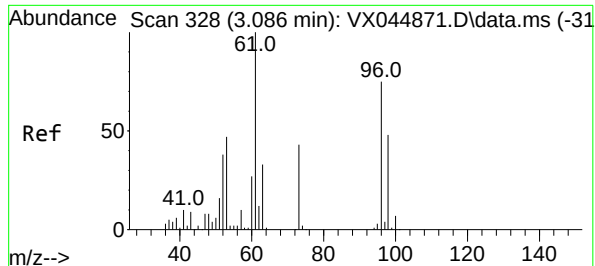
84 100

49 132.1 100.1 150.1

51 39.6 31.7 47.5

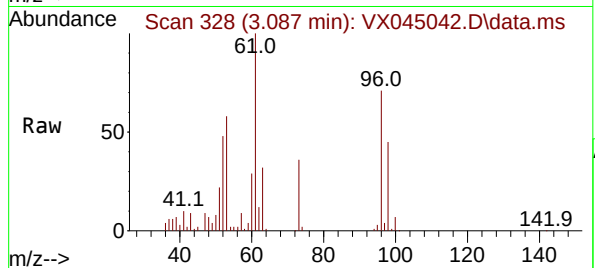
86 64.1 50.8 76.2





#21
trans-1,2-Dichloroethene
Concen: 46.216 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

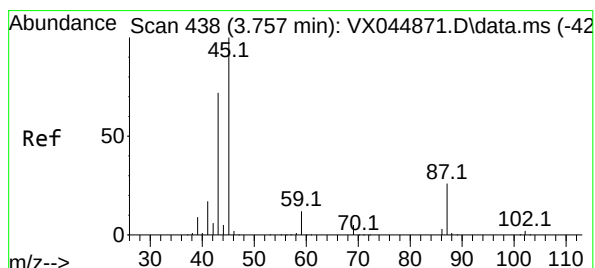
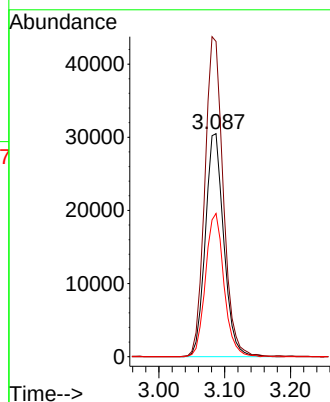
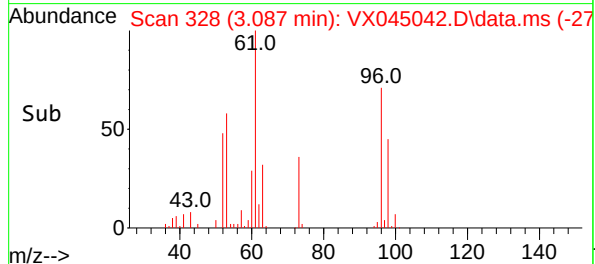
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



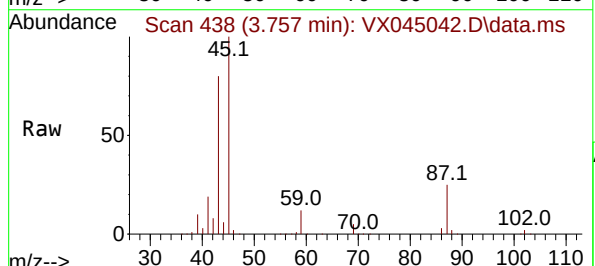
Tgt Ion: 96 Resp: 5952
Ion Ratio Lower Upper
96 100
61 141.3 106.0 159.0
98 64.2 50.6 76.0

Manual Integrations
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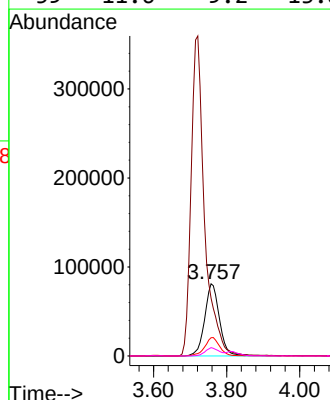
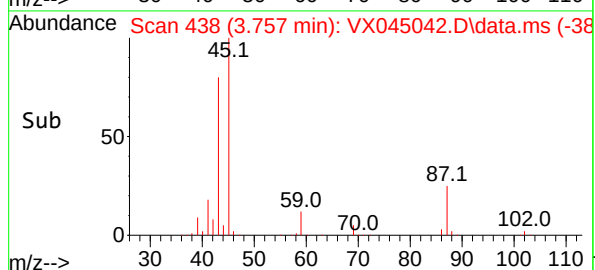
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

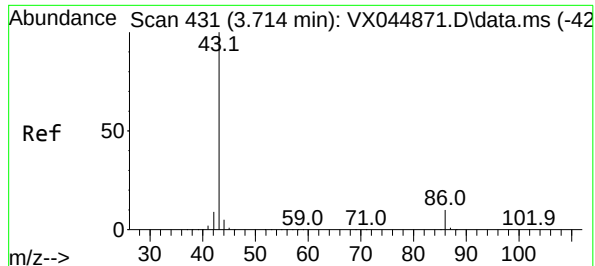


#22
Diisopropyl ether
Concen: 50.838 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28



Tgt Ion: 45 Resp: 227456
Ion Ratio Lower Upper
45 100
43 79.6 58.0 87.0
87 25.2 20.7 31.1
59 11.6 9.2 13.8





#23

Vinyl Acetate

Concen: 253.291 ug/l

RT: 3.721 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 923900

Ion Ratio Lower Upper

43 100

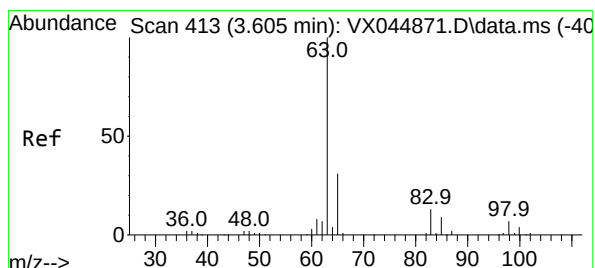
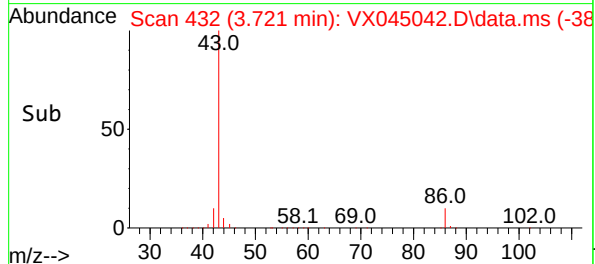
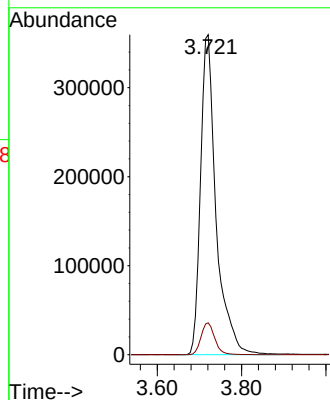
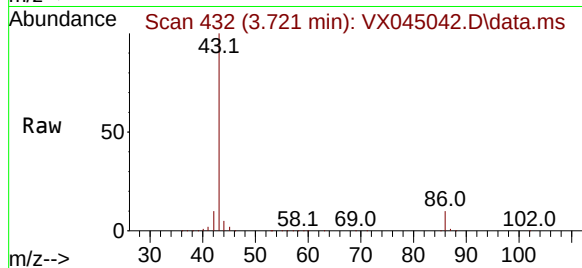
86 10.0 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#24

1,1-Dichloroethane

Concen: 49.371 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

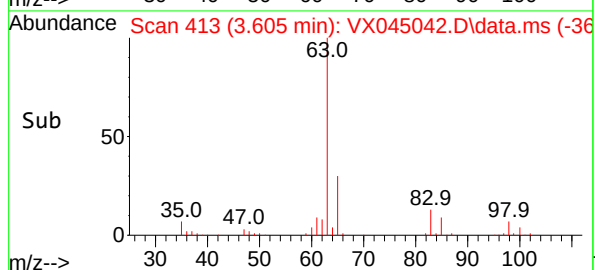
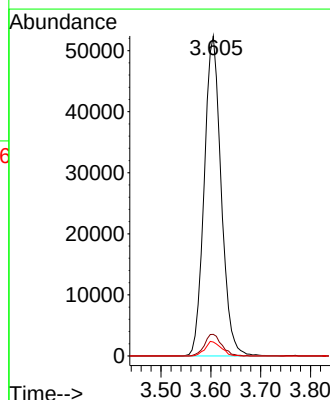
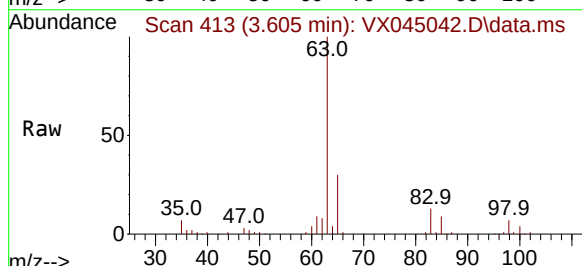
Tgt Ion: 63 Resp: 123599

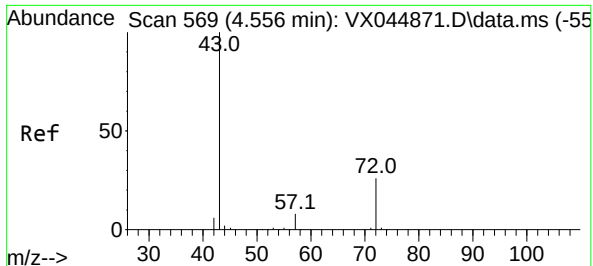
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

100 4.4 2.1 6.5





#25

2-Butanone

Concen: 304.657 ug/l

RT: 4.556 min Scan# 5

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 29555

Ion Ratio Lower Upper

43 100

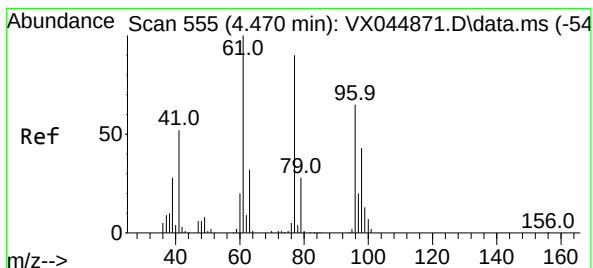
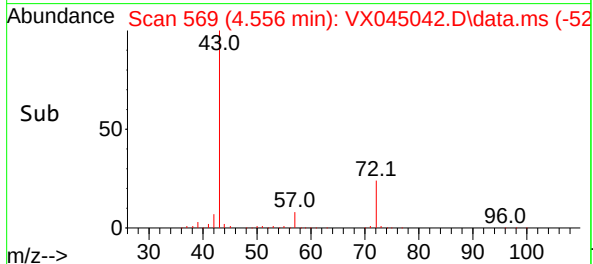
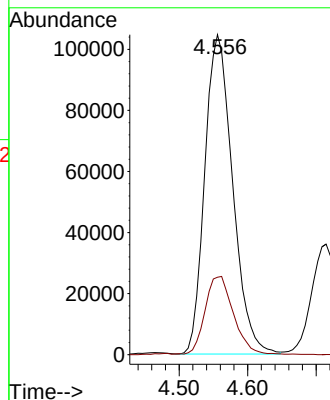
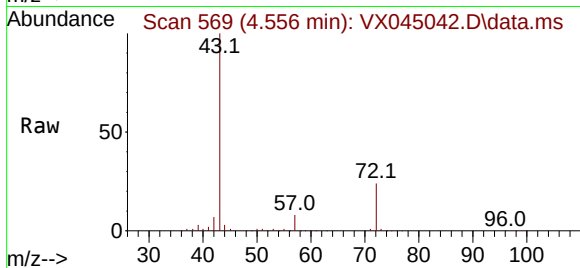
72 24.0 21.2 31.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#26

2,2-Dichloropropane

Concen: 42.253 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.006 min

Lab File: VX045042.D

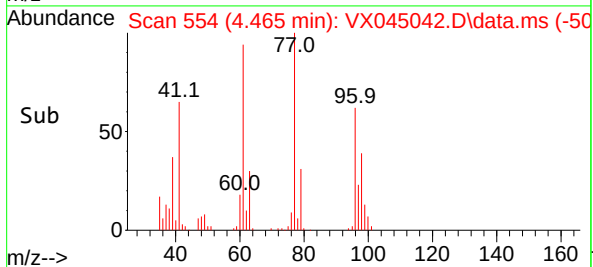
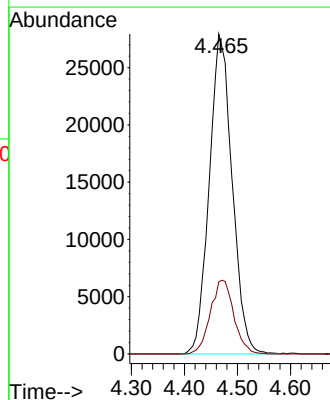
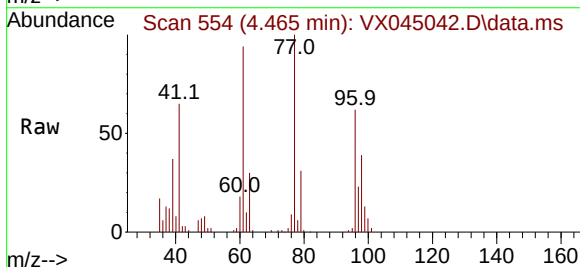
Acq: 25 Feb 2025 16:28

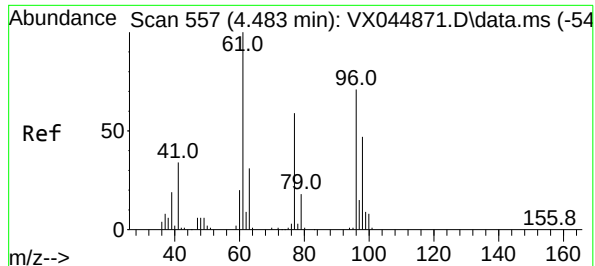
Tgt Ion: 77 Resp: 83886

Ion Ratio Lower Upper

77 100

97 23.6 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 48.253 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 7464

Ion Ratio Lower Upper

96 100

61 148.2 0.0 294.0

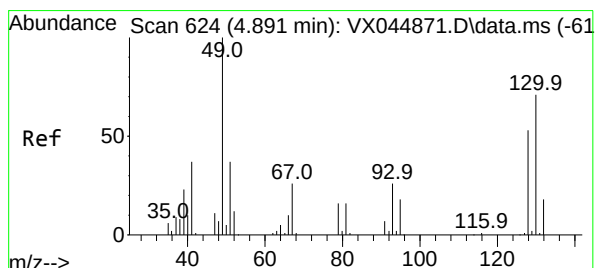
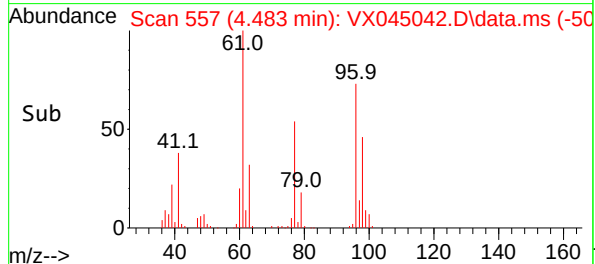
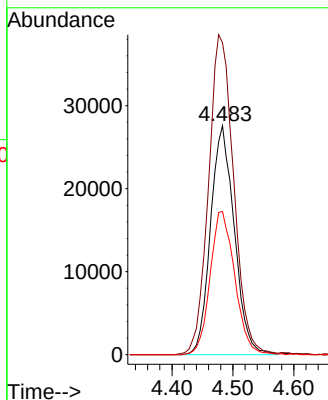
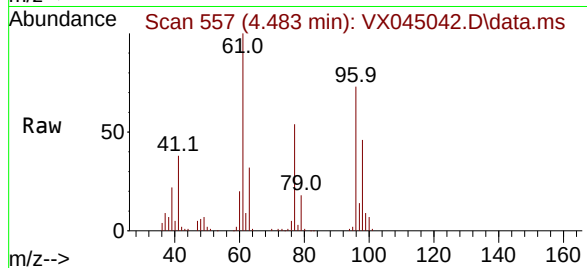
98 65.0 0.0 131.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#28

Bromochloromethane

Concen: 46.355 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

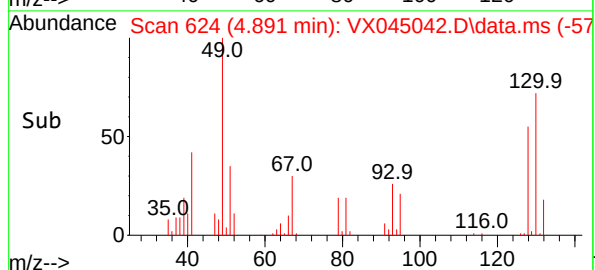
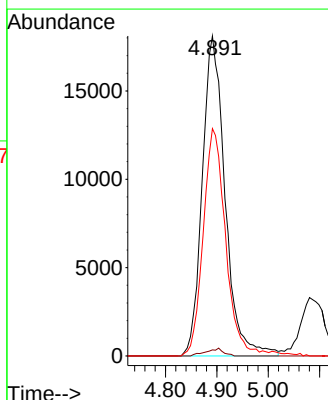
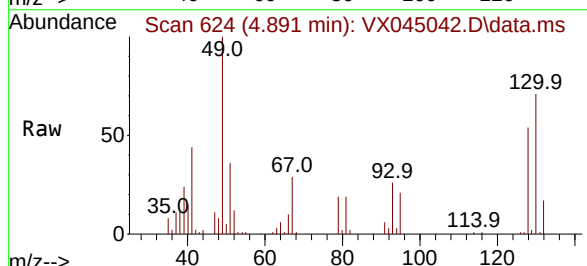
Tgt Ion: 49 Resp: 55770

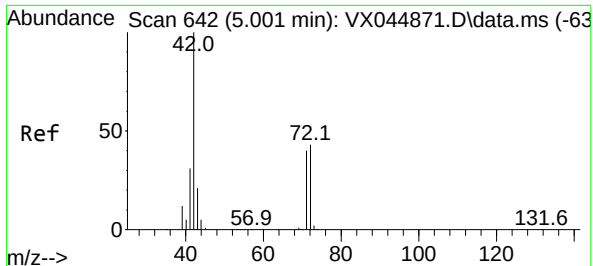
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 69.8 56.7 85.1





#29

Tetrahydrofuran

Concen: 294.997 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 42 Resp: 19003

Ion Ratio Lower Upper

42 100

72 42.5 35.0 52.4

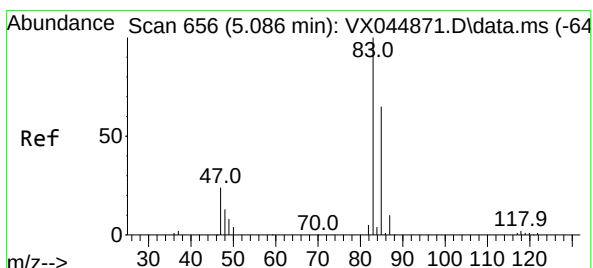
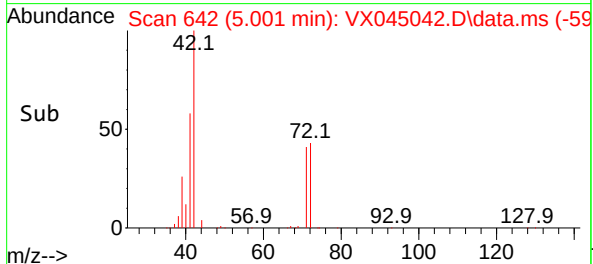
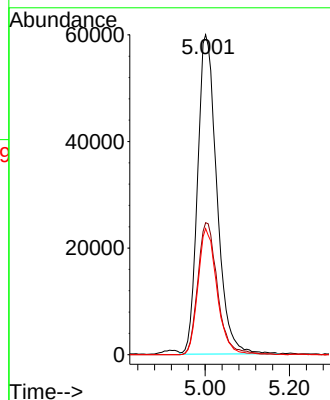
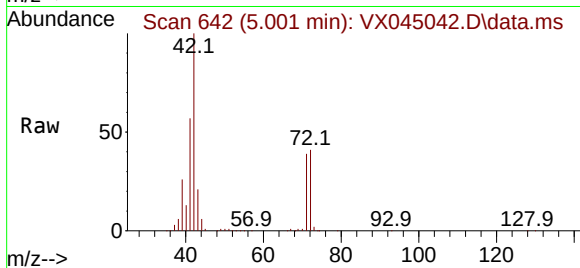
71 39.1 32.6 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#30

Chloroform

Concen: 50.613 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX045042.D

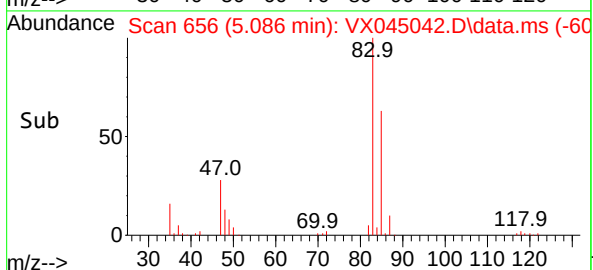
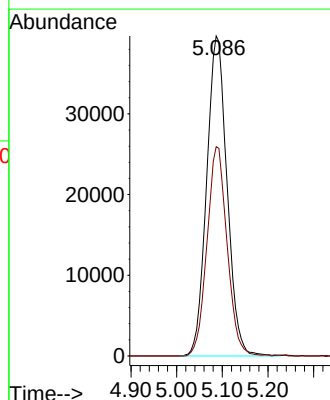
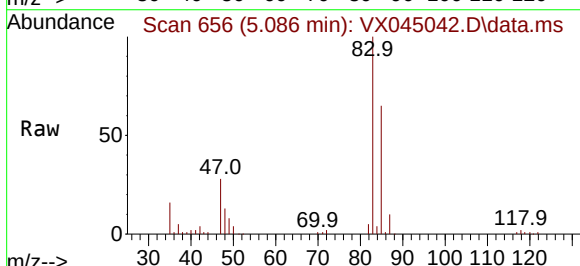
Acq: 25 Feb 2025 16:28

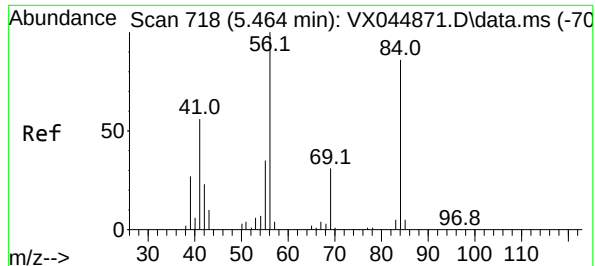
Tgt Ion: 83 Resp: 122880

Ion Ratio Lower Upper

83 100

85 65.4 52.1 78.1





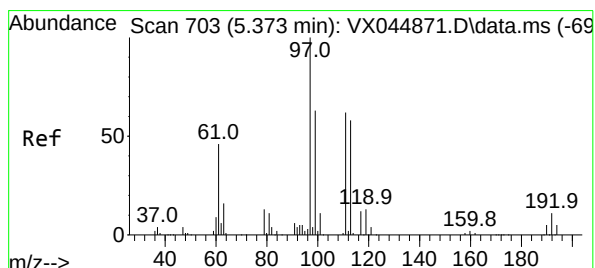
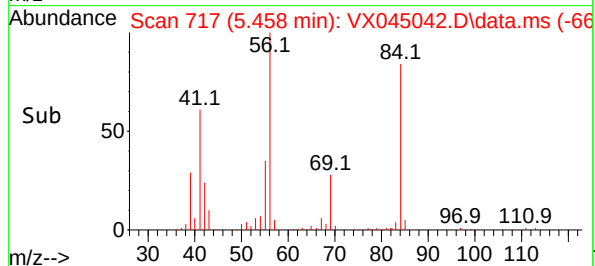
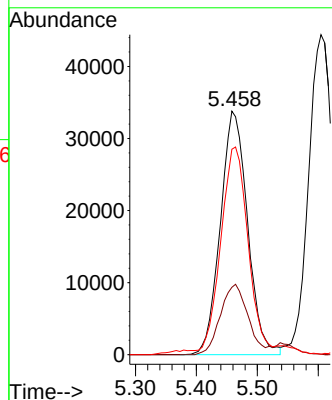
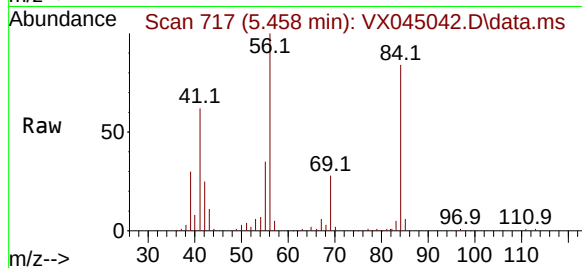
#31
Cyclohexane
Concen: 45.441 ug/l
RT: 5.458 min Scan# 718
Delta R.T. -0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 10487
Ion Ratio Lower Upper
56 100
69 27.7 24.4 36.6
84 83.0 69.0 103.6

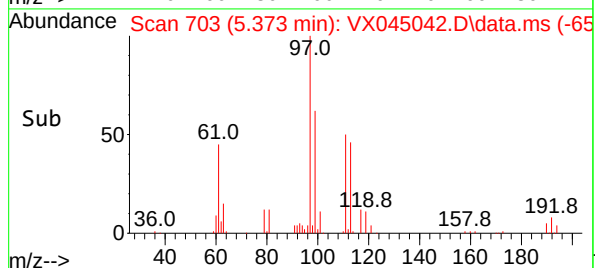
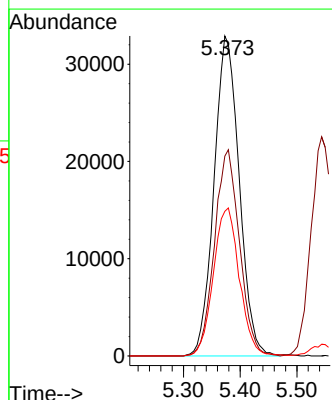
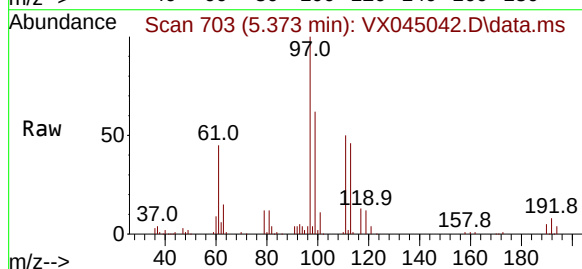
Manual Integrations
APPROVED

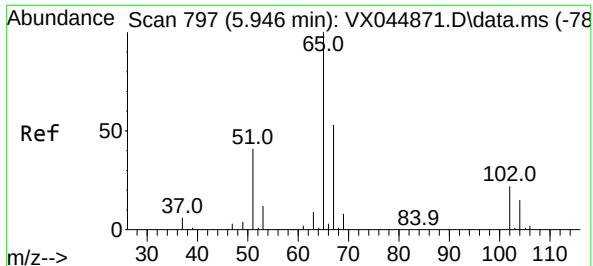
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#32
1,1,1-Trichloroethane
Concen: 49.259 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 97 Resp: 101440
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.6
61 48.0 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 43.914 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 65 Resp: 6526

Ion Ratio Lower Upper

65 100

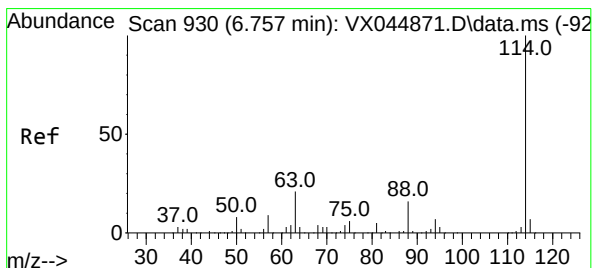
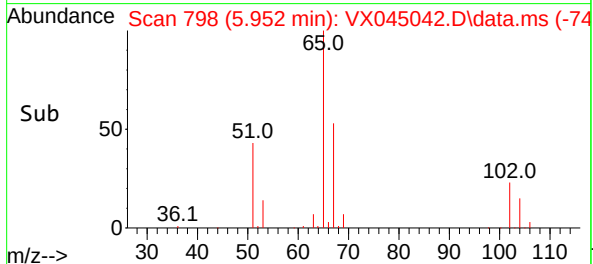
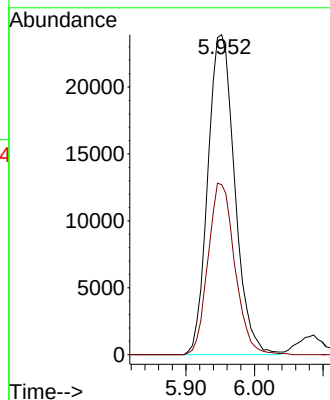
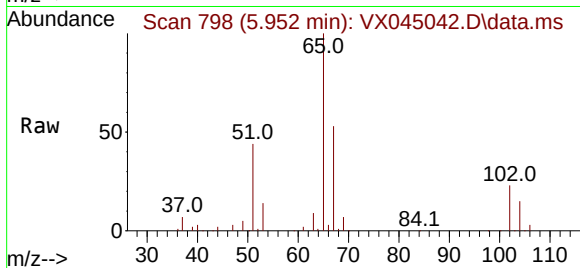
67 53.3 0.0 108.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

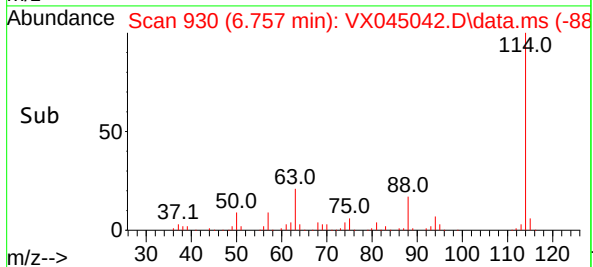
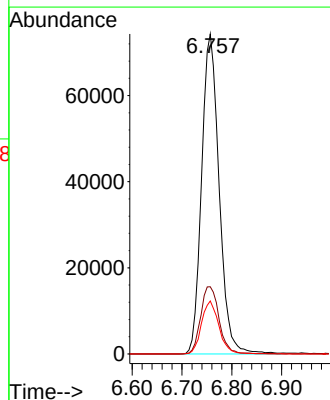
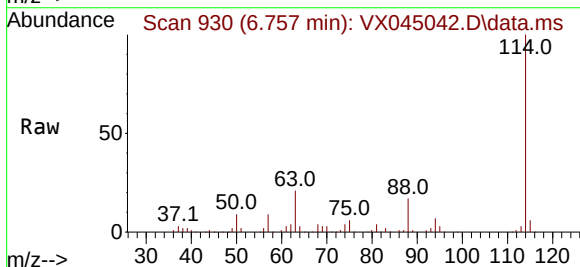
Tgt Ion:114 Resp: 181291

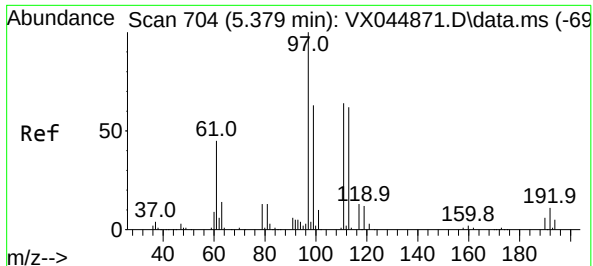
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.4

88 16.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 44.160 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 113 Resp: 5205

Ion Ratio Lower Upper

113 100

111 102.2 83.5 125.3

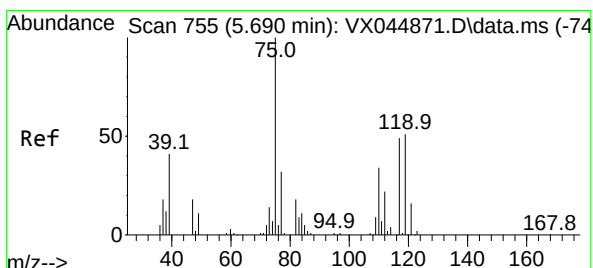
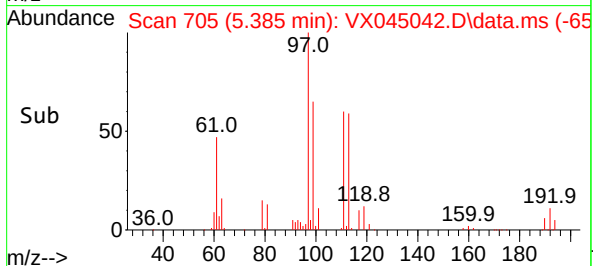
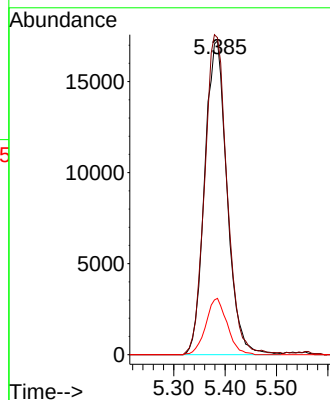
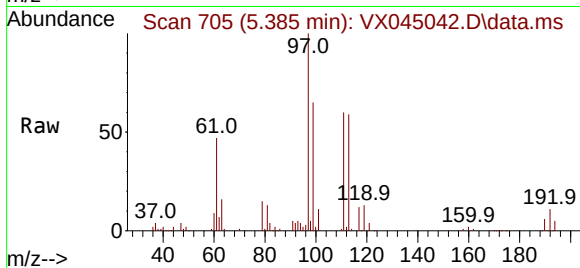
192 17.1 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#36

1,1-Dichloropropene

Concen: 47.660 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

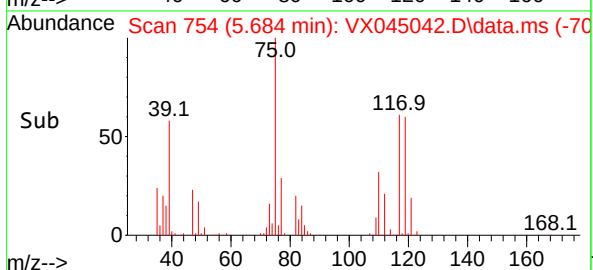
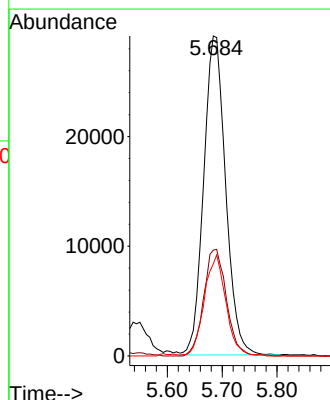
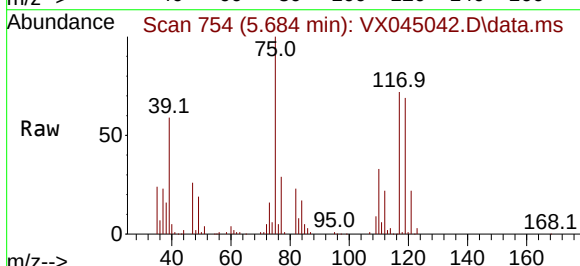
Tgt Ion: 75 Resp: 81048

Ion Ratio Lower Upper

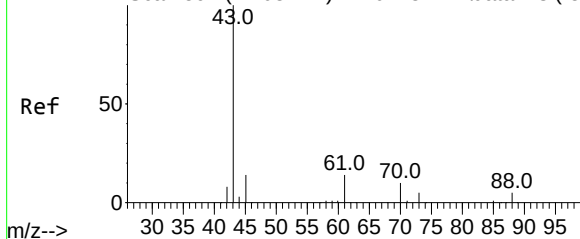
75 100

110 34.5 17.2 51.6

77 31.1 24.6 37.0



Abundance Scan 594 (4.708 min): VX044871.D\data.ms (-58



#37

Ethyl Acetate

Concen: 57.029 ug/l

RT: 4.714 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 107870

Ion Ratio Lower Upper

43 100

61 13.3 11.0 16.4

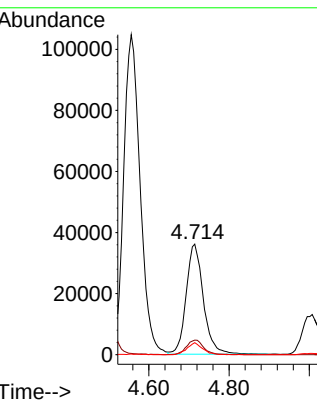
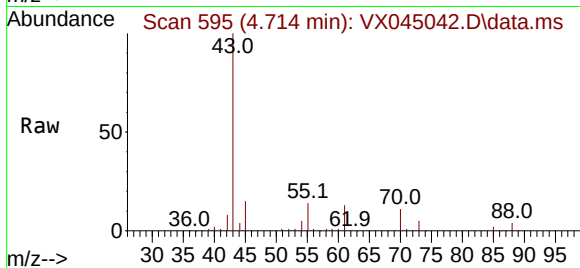
70 9.8 8.2 12.2

Manual Integrations

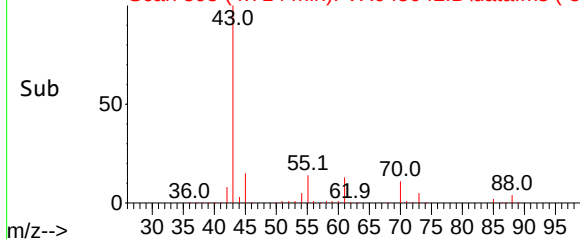
APPROVED

Reviewed By :John Carlone 02/26/2025

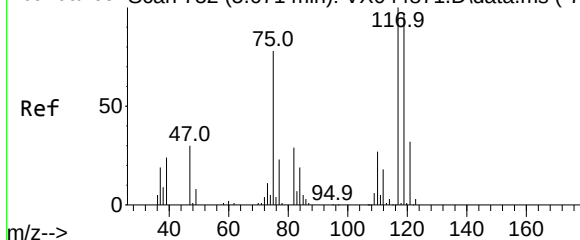
Supervised By :Mahesh Dadoda 02/26/2025



Abundance Scan 595 (4.714 min): VX045042.D\data.ms (-54



Abundance Scan 752 (5.671 min): VX044871.D\data.ms (-74



#38

Carbon Tetrachloride

Concen: 49.565 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

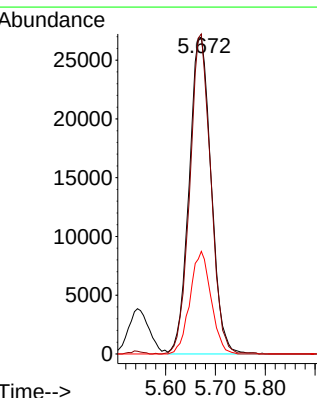
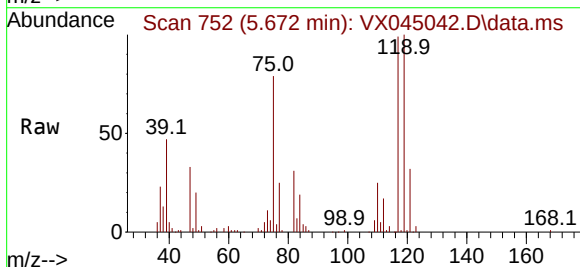
Tgt Ion:117 Resp: 82597

Ion Ratio Lower Upper

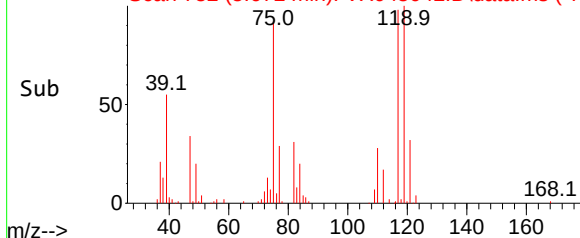
117 100

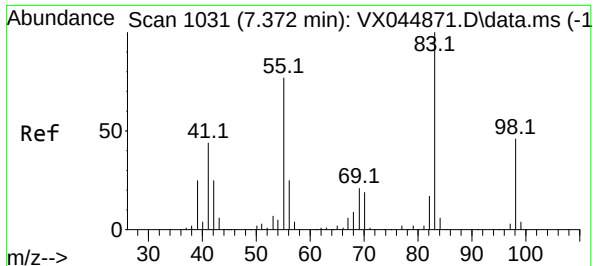
119 101.0 77.5 116.3

121 32.4 25.6 38.4



Abundance Scan 752 (5.672 min): VX045042.D\data.ms (-70





#39

Methylcyclohexane

Concen: 48.316 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 106224

Ion Ratio Lower Upper

83 100

55 78.3 61.3 91.9

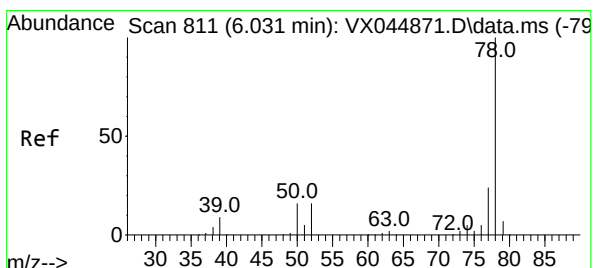
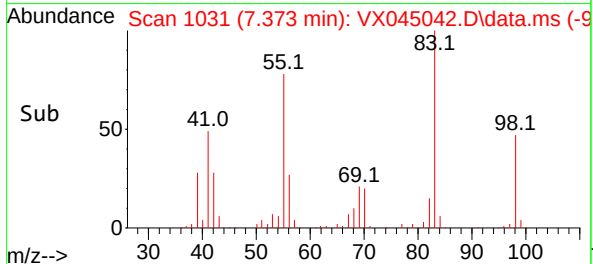
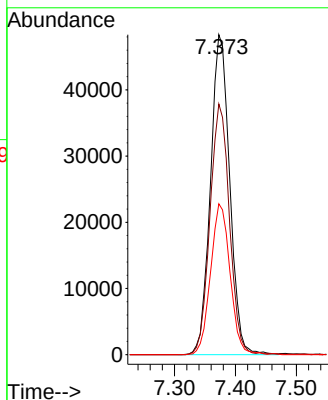
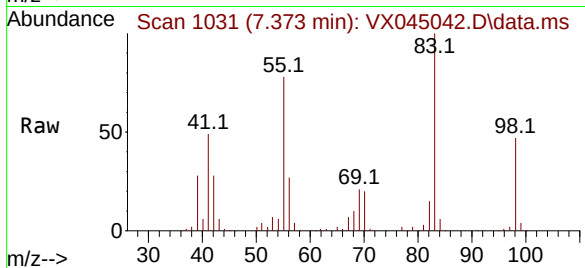
98 47.1 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#40

Benzene

Concen: 49.173 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX045042.D

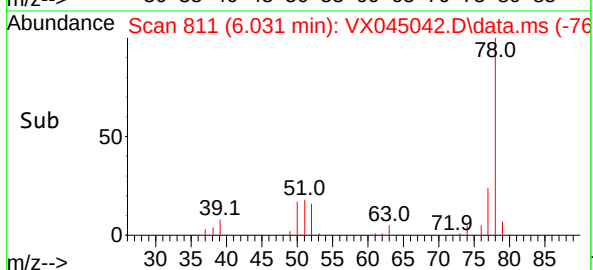
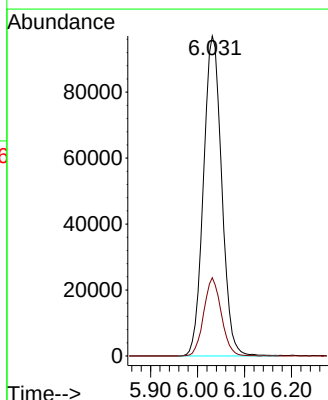
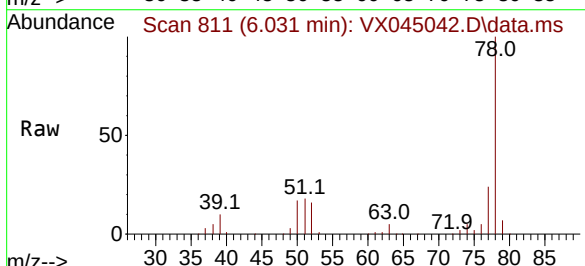
Acq: 25 Feb 2025 16:28

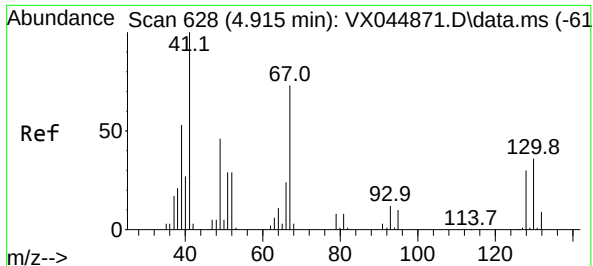
Tgt Ion: 78 Resp: 261113

Ion Ratio Lower Upper

78 100

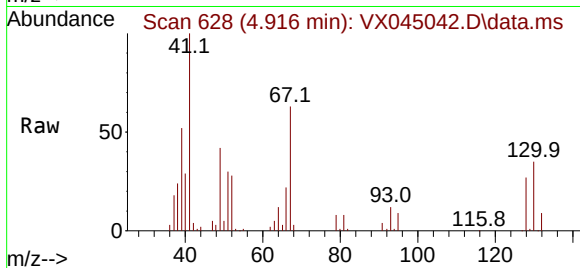
77 24.5 19.0 28.6





#41
Methacrylonitrile
Concen: 60.575 ug/l
RT: 4.916 min Scan# 61329
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

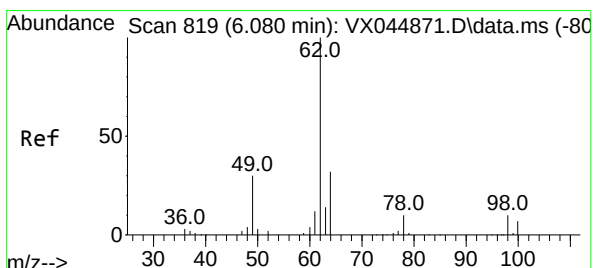
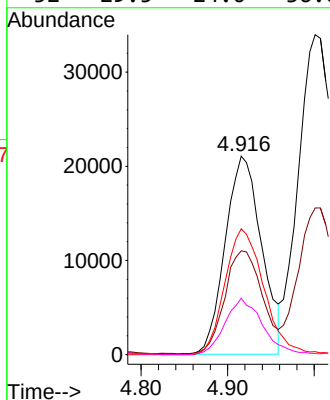
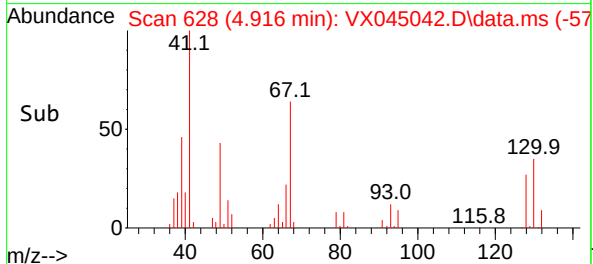
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



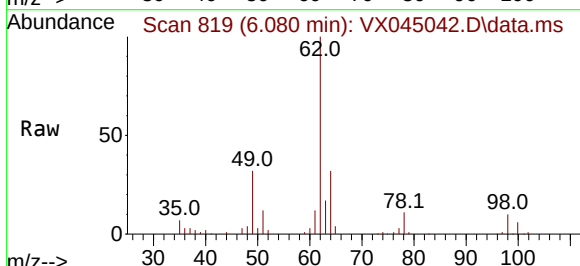
Tgt Ion: 41 Resp: 61329
Ion Ratio Lower Upper
41 100
39 53.8 43.1 64.7
67 68.3 57.0 85.6
52 29.5 24.0 36.0

Manual Integrations
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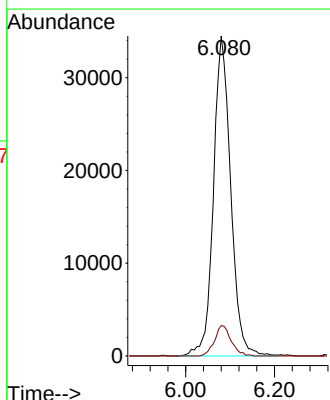
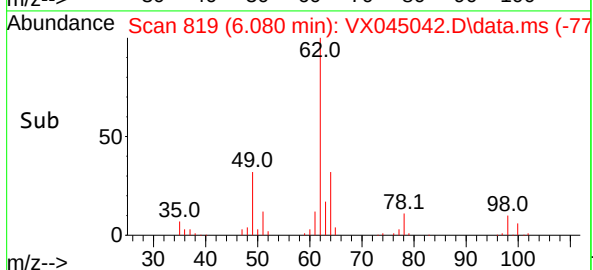
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

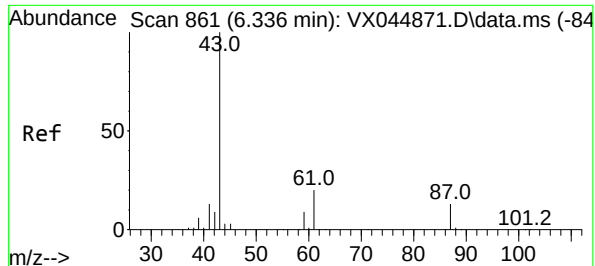


#42
1,2-Dichloroethane
Concen: 54.837 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28



Tgt Ion: 62 Resp: 92805
Ion Ratio Lower Upper
62 100
98 9.2 0.0 19.4





#43

Isopropyl Acetate

Concen: 54.640 ug/l

RT: 6.336 min Scan# 861

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 16689

Ion Ratio Lower Upper

43 100

61 19.4 15.8 23.8

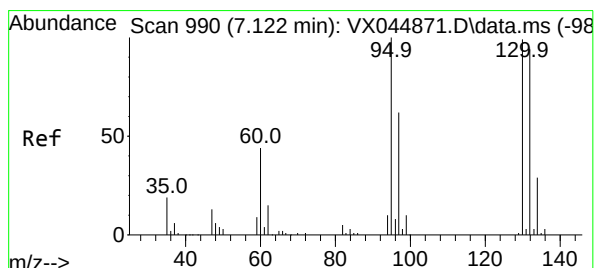
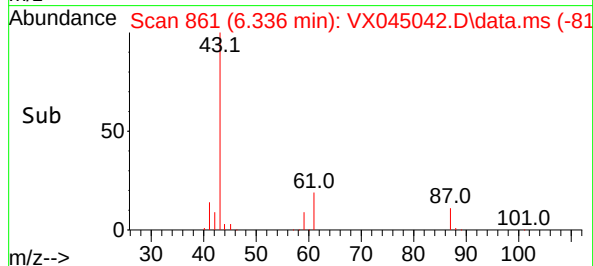
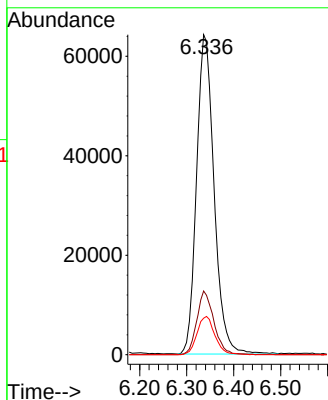
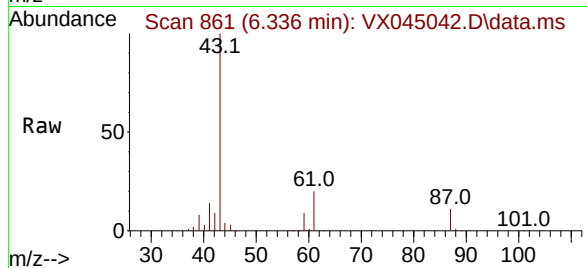
87 12.1 10.0 15.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#44

Trichloroethene

Concen: 49.623 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX045042.D

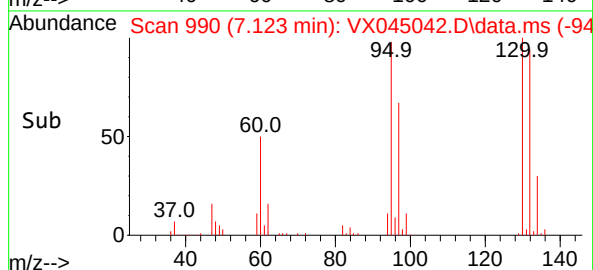
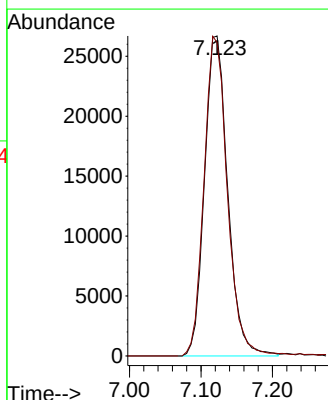
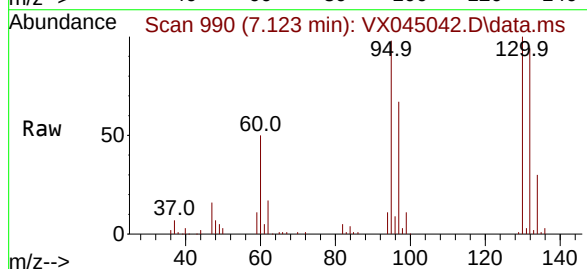
Acq: 25 Feb 2025 16:28

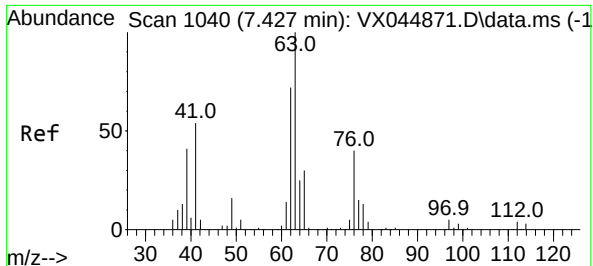
Tgt Ion:130 Resp: 60229

Ion Ratio Lower Upper

130 100

95 98.0 0.0 202.4





#45

1,2-Dichloropropane

Concen: 50.580 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 66819

Ion Ratio Lower Upper

63 100

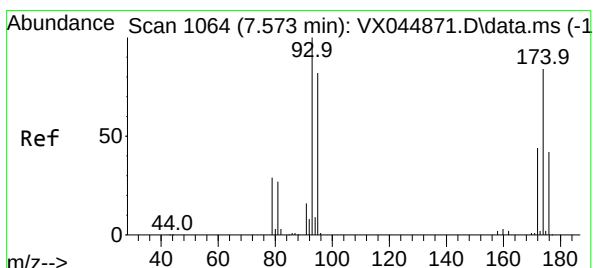
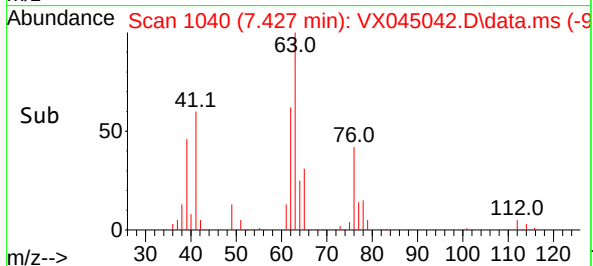
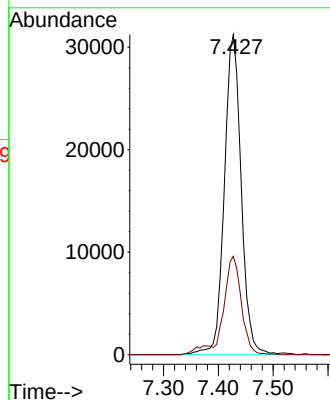
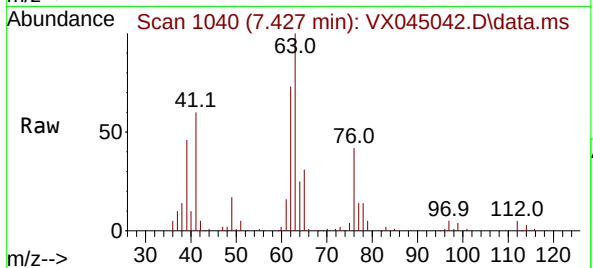
65 30.7 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#46

Dibromomethane

Concen: 52.418 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

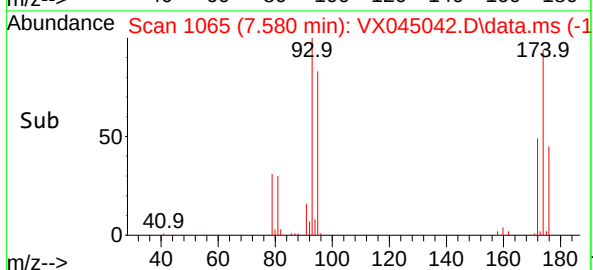
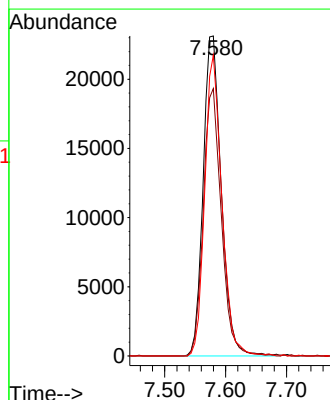
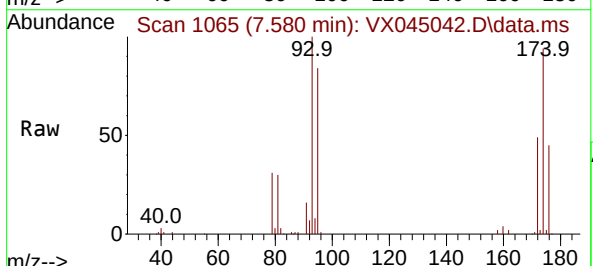
Tgt Ion: 93 Resp: 48023

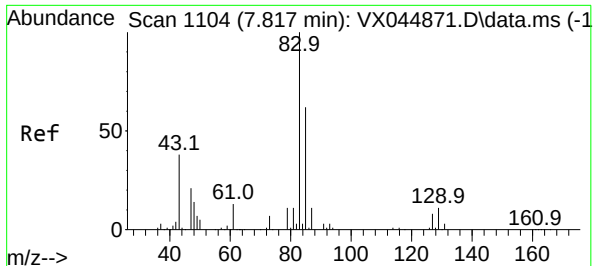
Ion Ratio Lower Upper

93 100

95 82.5 66.2 99.4

174 88.8 69.9 104.9





#47

Bromodichloromethane

Concen: 53.860 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

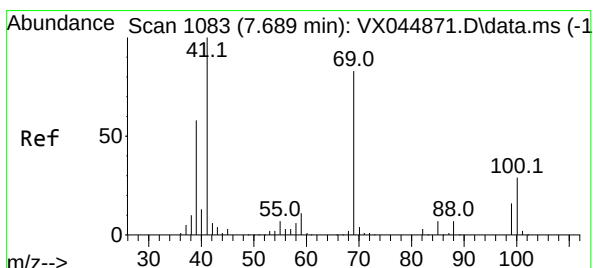
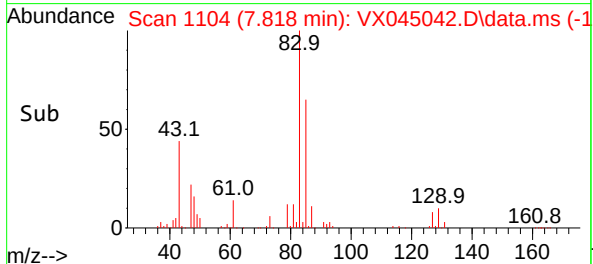
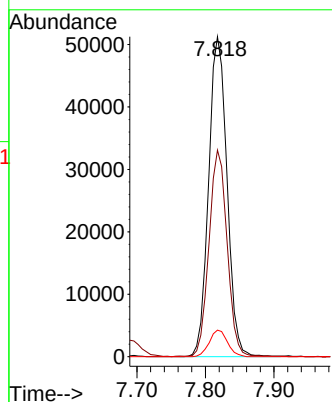
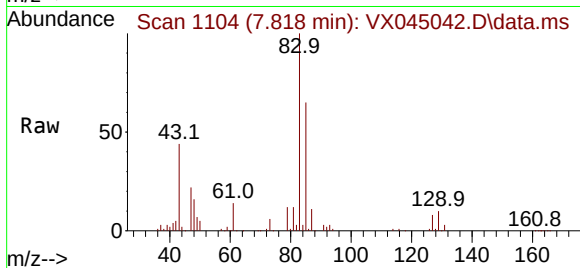
Tgt Ion:	83	Resp:	9554
Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.0	75.0
127	8.3	6.4	9.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#48

Methyl methacrylate

Concen: 58.478 ug/l

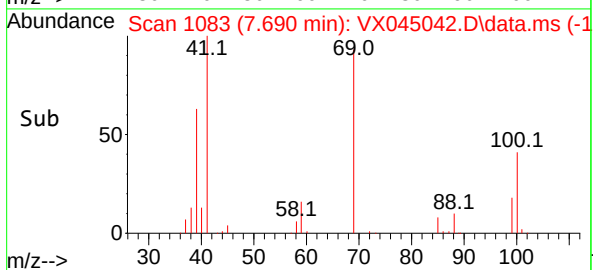
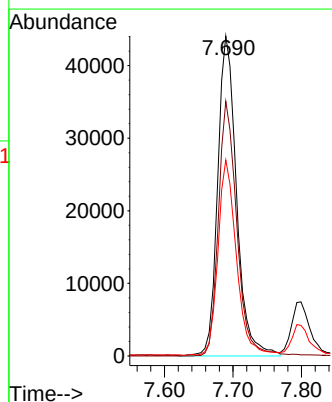
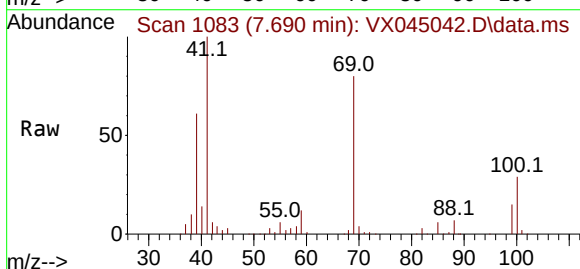
RT: 7.690 min Scan# 1083

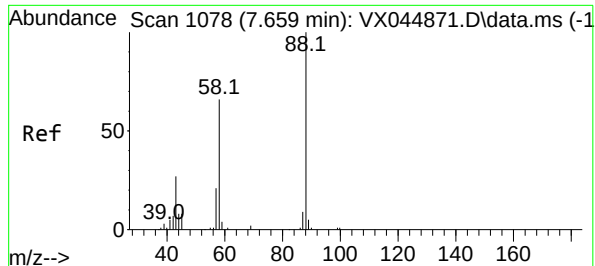
Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Tgt Ion:	41	Resp:	84221
Ion	Ratio	Lower	Upper
41	100		
69	77.6	65.8	98.8
39	59.4	46.4	69.6





#49

1,4-Dioxane

Concen: 1235.809 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

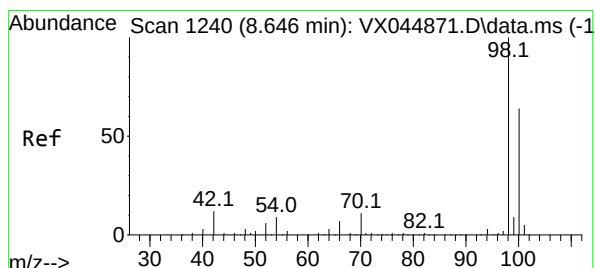
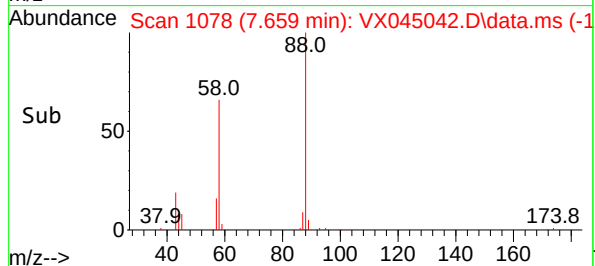
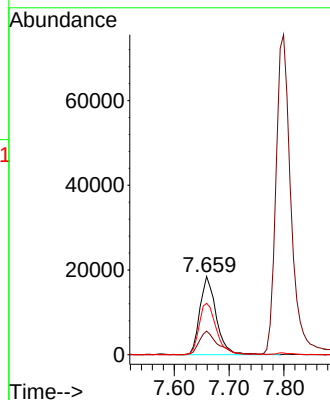
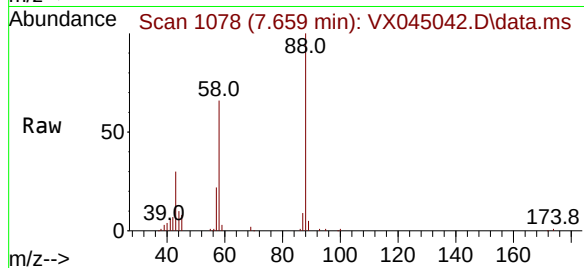
Tgt Ion:	88	Resp:	3818
Ion Ratio	Lower	Upper	
88	100		
43	34.5	26.6	39.8
58	69.1	55.9	83.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#50

Toluene-d8

Concen: 42.538 ug/l

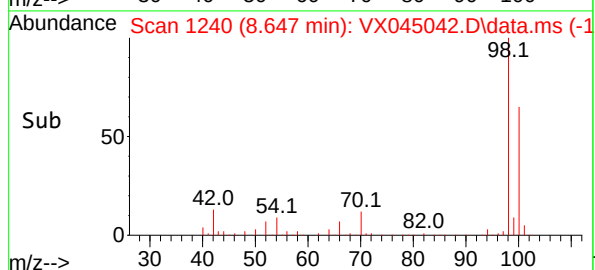
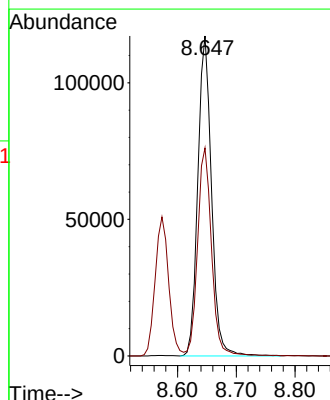
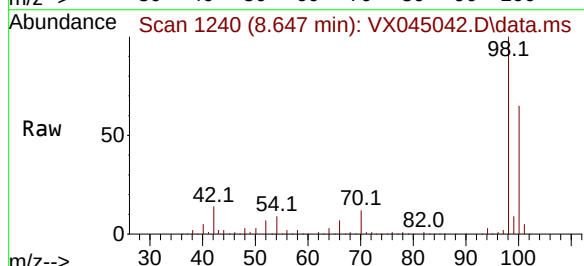
RT: 8.647 min Scan# 1240

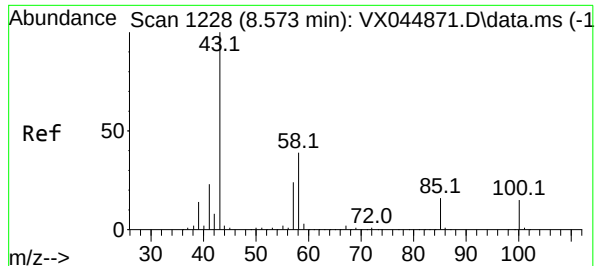
Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Tgt Ion:	98	Resp:	189599
Ion Ratio	Lower	Upper	
98	100		
100	66.4	52.7	79.1





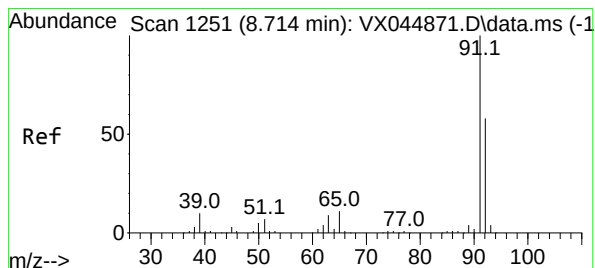
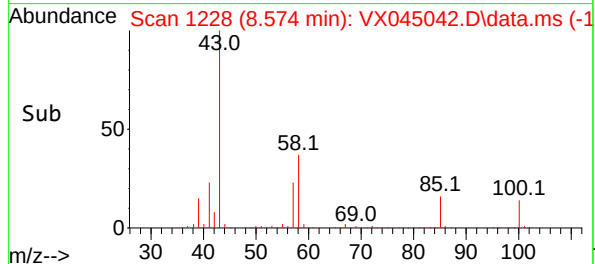
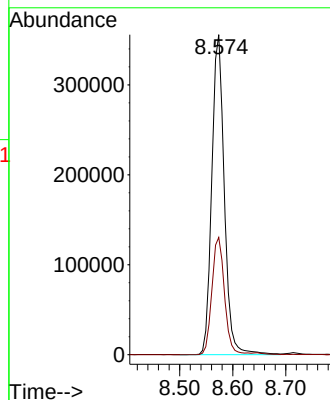
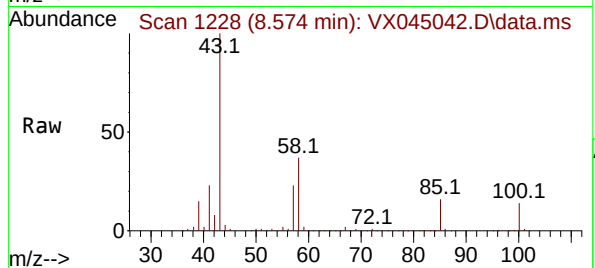
#51
4-Methyl-2-Pentanone
Concen: 314.005 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 58308
Ion Ratio Lower Upper
43 100
58 37.0 30.8 46.2

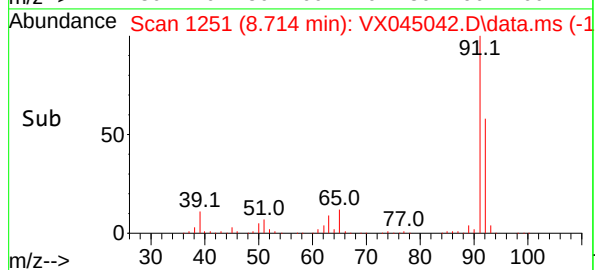
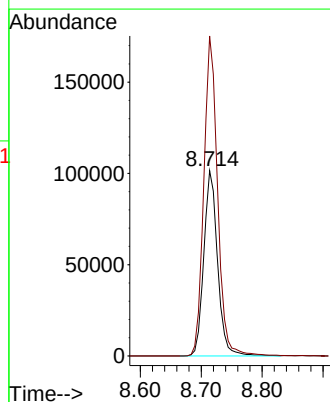
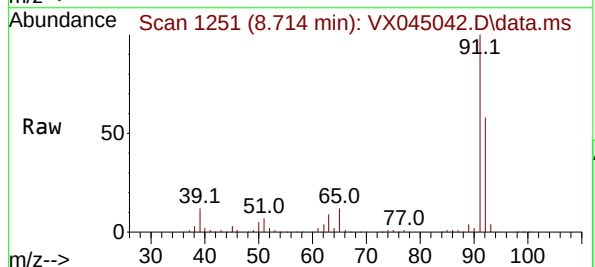
Manual Integrations
APPROVED

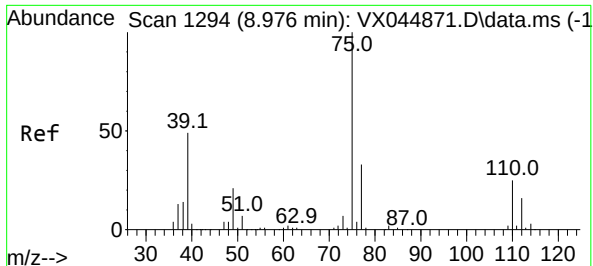
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#52
Toluene
Concen: 50.528 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 92 Resp: 159793
Ion Ratio Lower Upper
92 100
91 172.8 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 49.754 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 8931

Ion Ratio Lower Upper

75 100

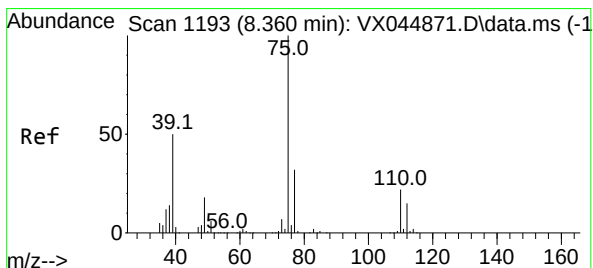
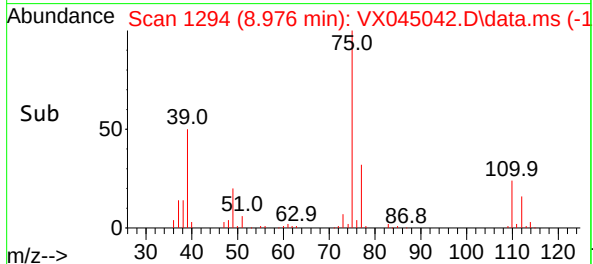
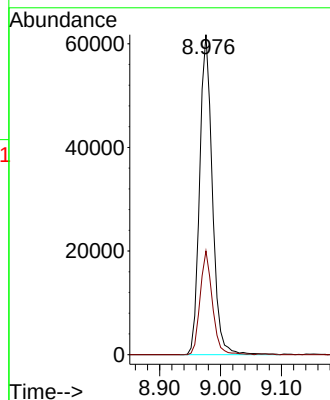
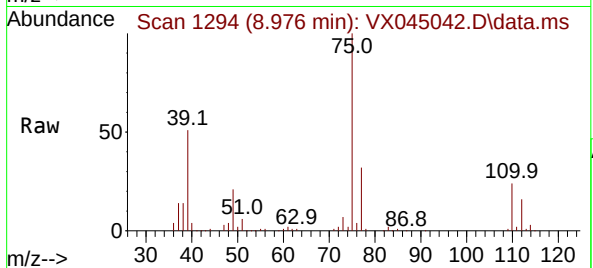
77 32.4 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#54

cis-1,3-Dichloropropene

Concen: 50.101 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

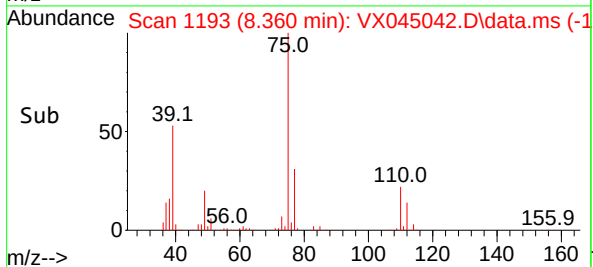
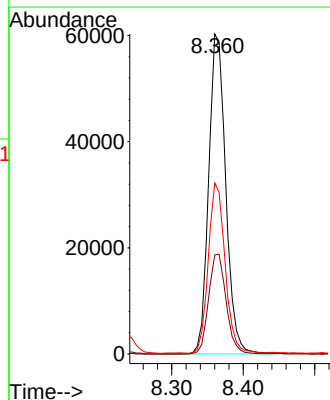
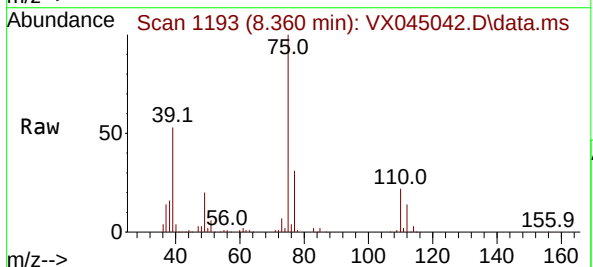
Tgt Ion: 75 Resp: 100279

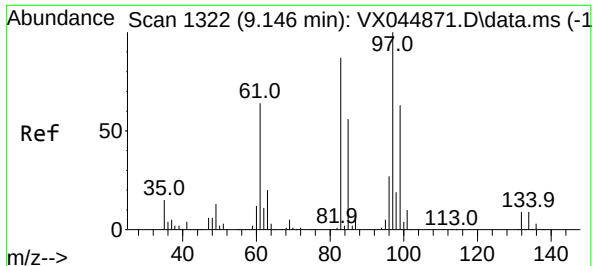
Ion Ratio Lower Upper

75 100

77 31.0 25.3 37.9

39 53.1 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 53.170 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDC050EC

Tgt Ion: 97 Resp: 64638

Ion Ratio Lower Upper

97 100

83 88.9 69.8 104.6

85 59.0 44.8 67.2

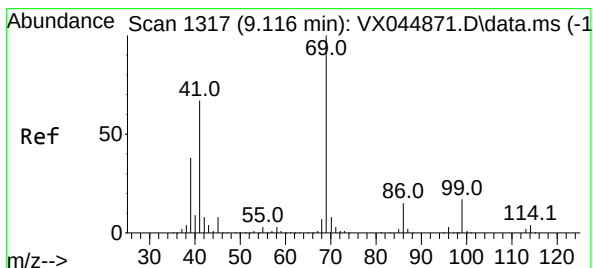
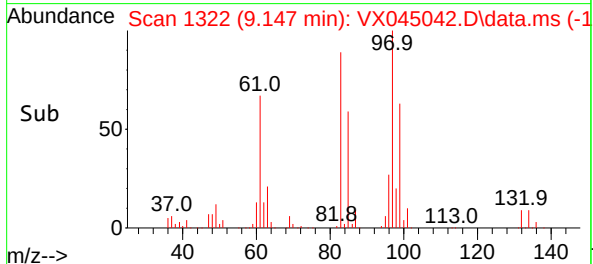
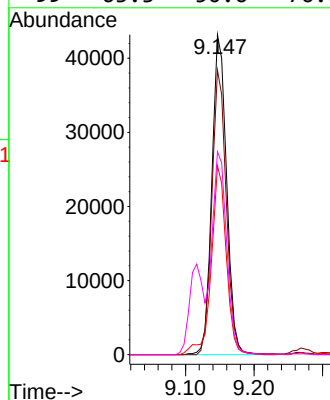
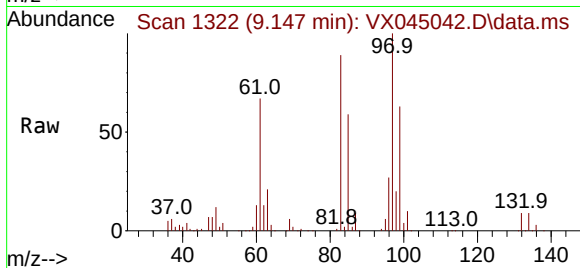
99 63.3 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#56

Ethyl methacrylate

Concen: 54.804 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

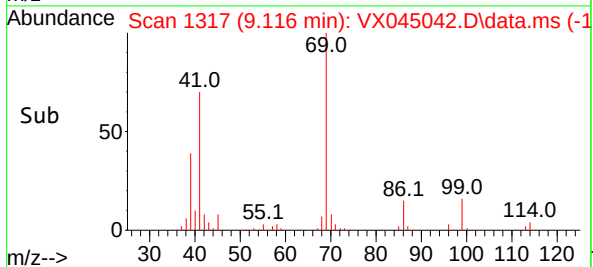
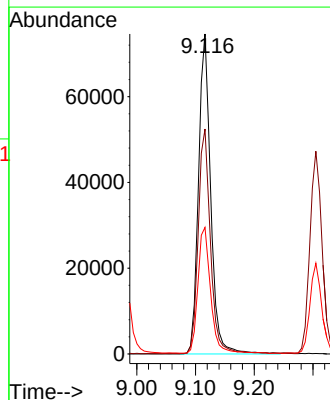
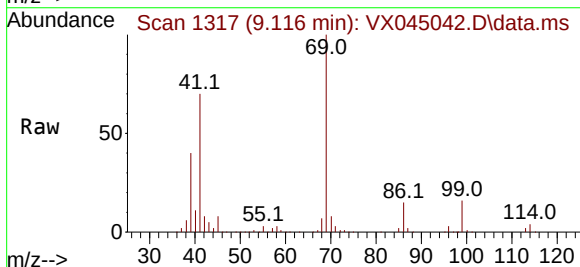
Tgt Ion: 69 Resp: 107605

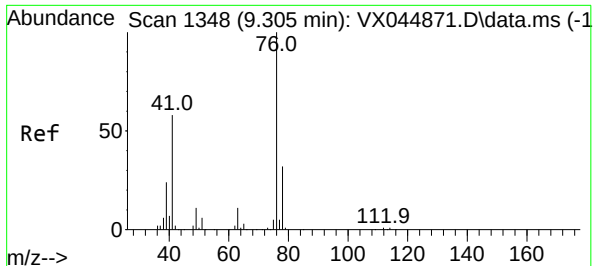
Ion Ratio Lower Upper

69 100

41 70.2 55.2 82.8

39 41.0 30.8 46.2





#57

1,3-Dichloropropane

Concen: 52.787 ug/l

RT: 9.305 min Scan# 11228

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 11228

Ion Ratio Lower Upper

76 100

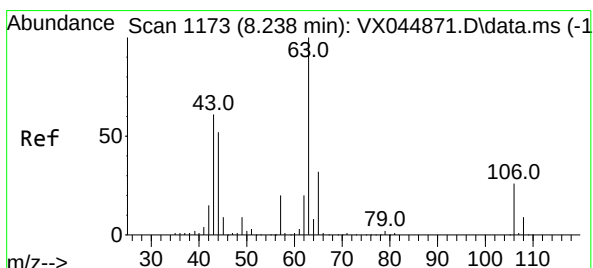
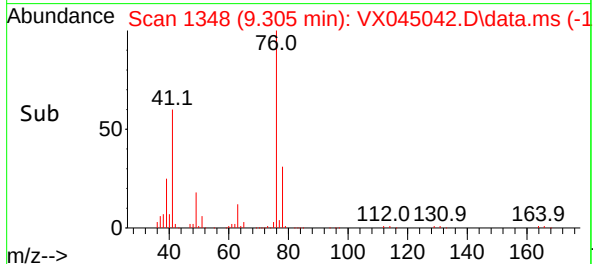
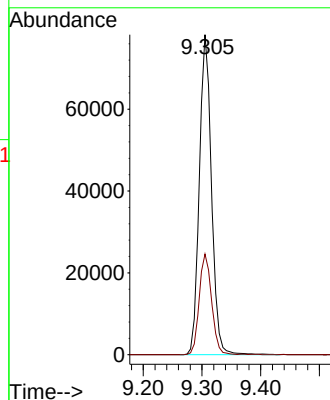
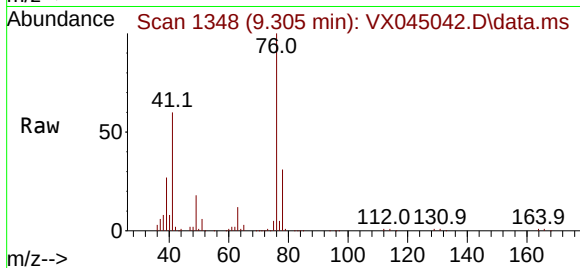
78 32.1 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#58

2-Chloroethyl Vinyl ether

Concen: 256.347 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX045042.D

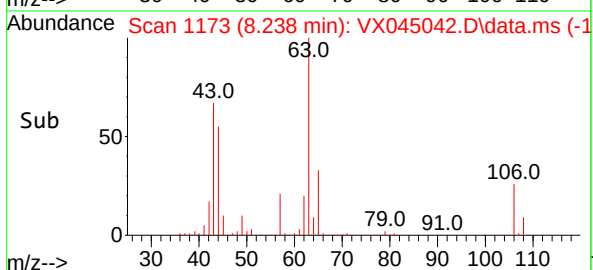
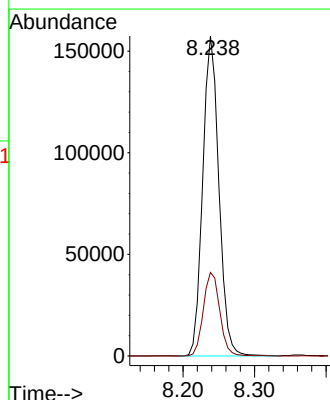
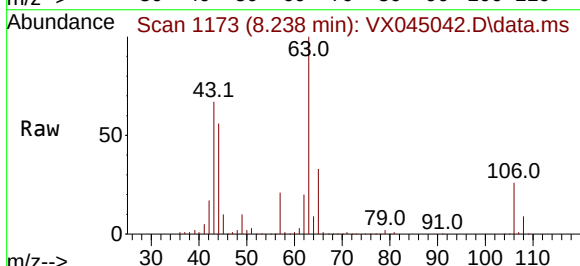
Acq: 25 Feb 2025 16:28

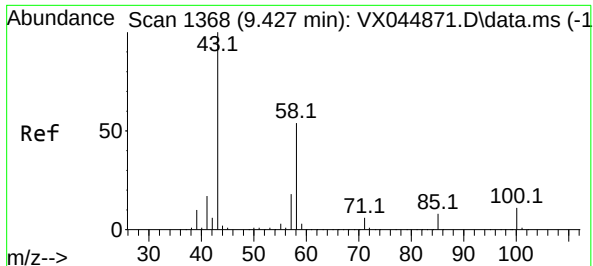
Tgt Ion: 63 Resp: 247138

Ion Ratio Lower Upper

63 100

106 26.5 21.3 31.9





#59

2-Hexanone

Concen: 323.037 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 43220

Ion Ratio Lower Upper

43 100

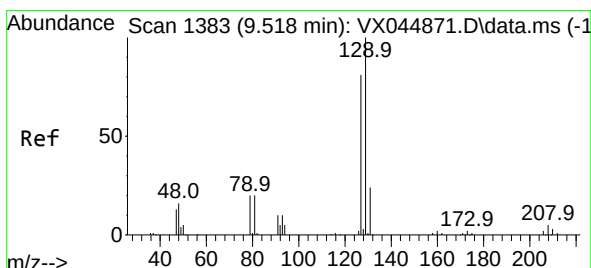
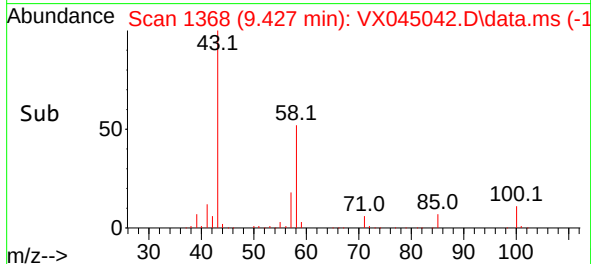
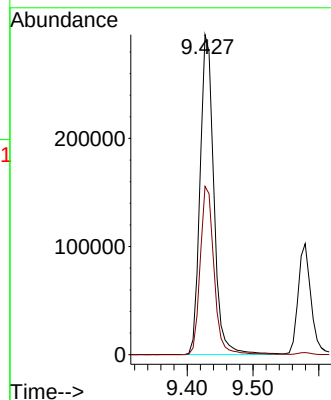
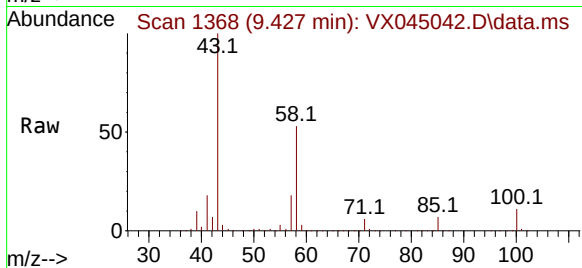
58 52.8 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#60

Dibromochloromethane

Concen: 54.145 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX045042.D

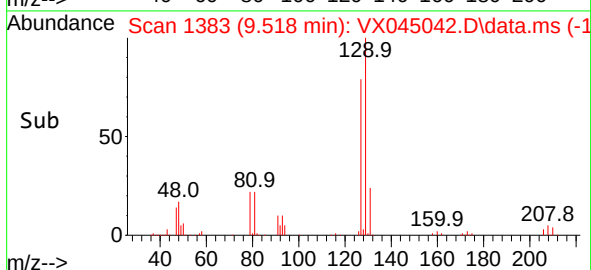
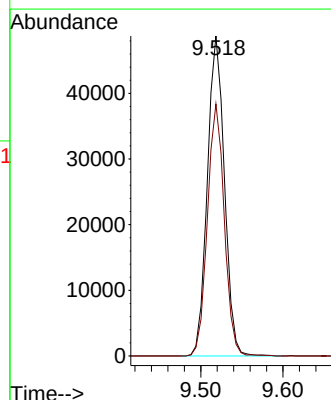
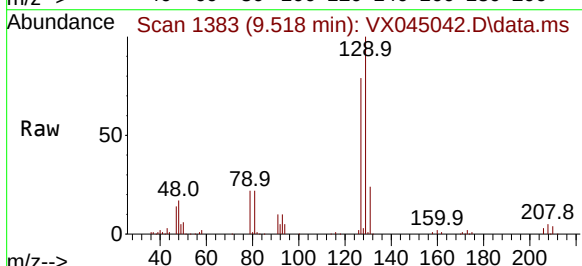
Acq: 25 Feb 2025 16:28

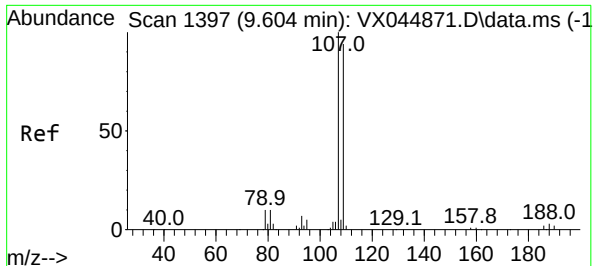
Tgt Ion:129 Resp: 70395

Ion Ratio Lower Upper

129 100

127 77.8 39.1 117.3





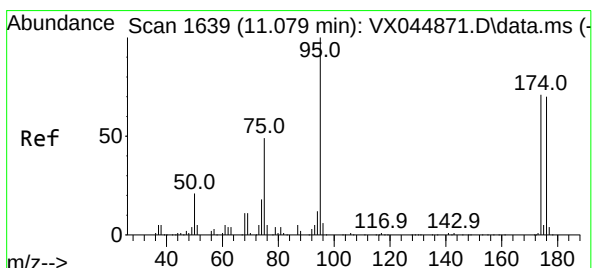
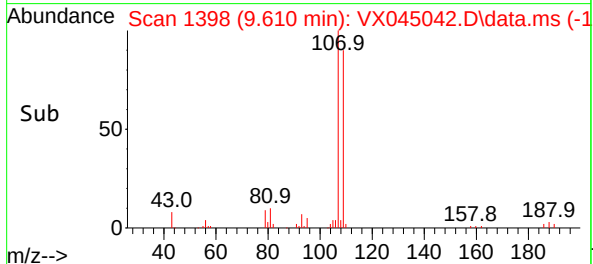
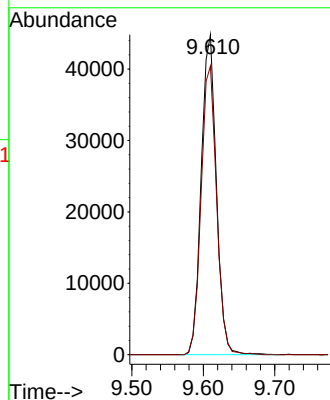
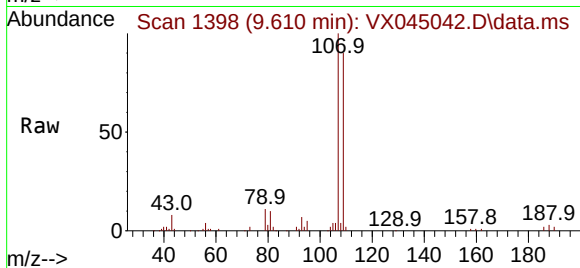
#61
1,2-Dibromoethane
Concen: 53.373 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 65764
Ion Ratio Lower Upper
107 100
109 92.3 75.9 113.9

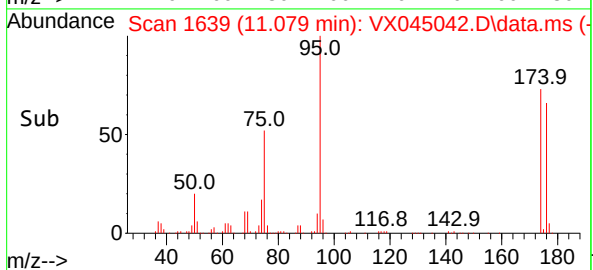
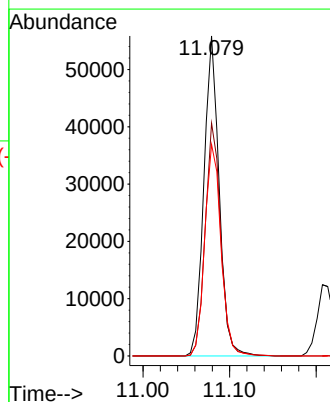
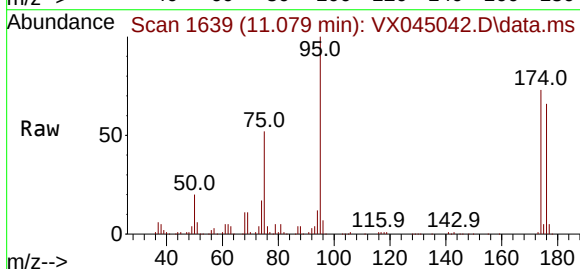
Manual Integrations
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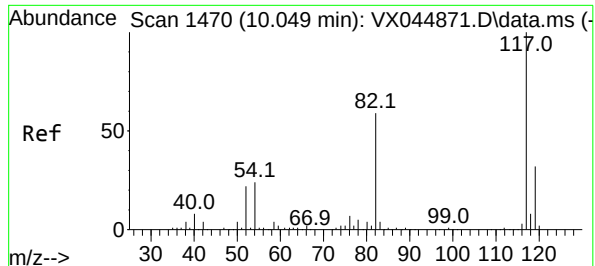
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#62
4-Bromofluorobenzene
Concen: 45.505 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 95 Resp: 68375
Ion Ratio Lower Upper
95 100
174 74.0 0.0 142.6
176 70.4 0.0 141.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:117 Resp: 162818

Ion Ratio Lower Upper

117 100

82 56.7 47.5 71.3

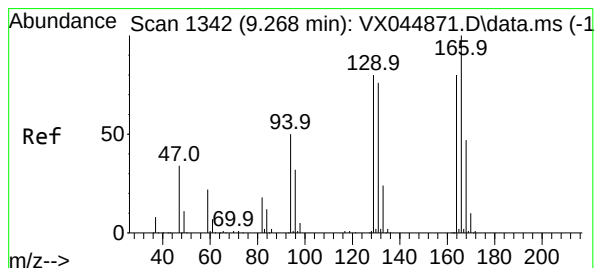
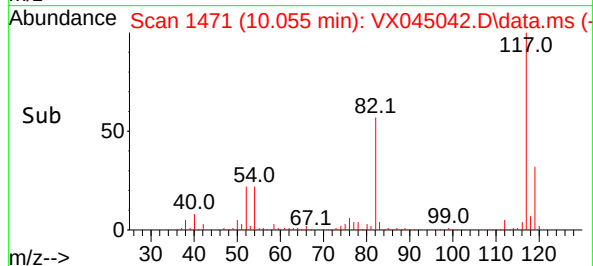
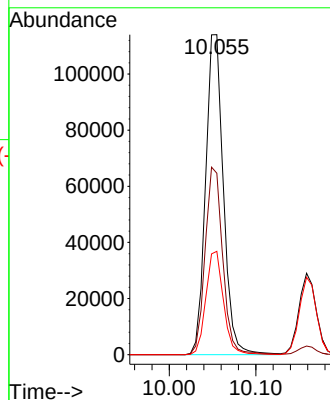
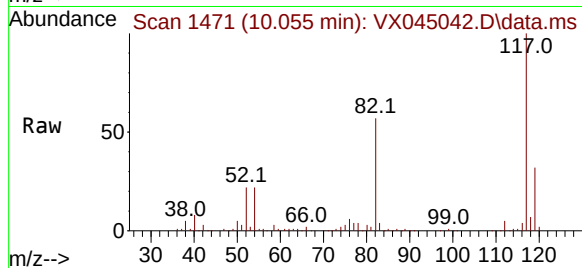
119 32.3 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#64

Tetrachloroethene

Concen: 47.807 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Tgt Ion:164 Resp: 49089

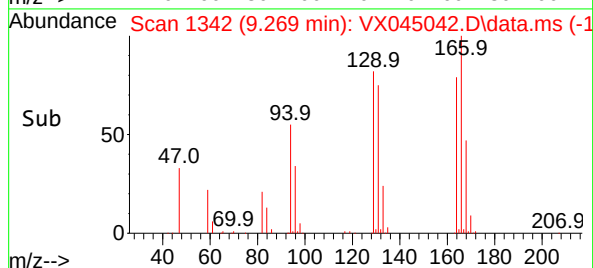
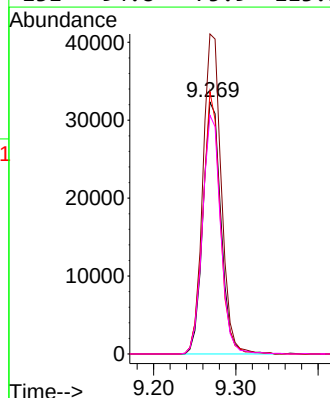
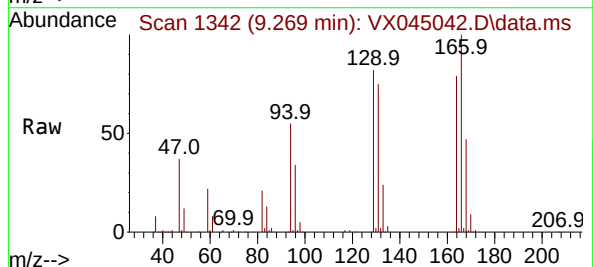
Ion Ratio Lower Upper

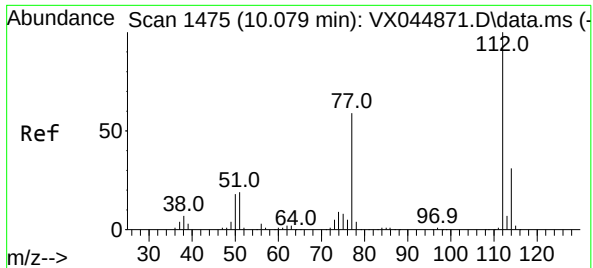
164 100

166 127.1 100.4 150.6

129 104.1 79.9 119.9

131 94.8 75.9 113.9





#65

Chlorobenzene

Concen: 50.041 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:112 Resp: 174998

Ion Ratio Lower Upper

112 100

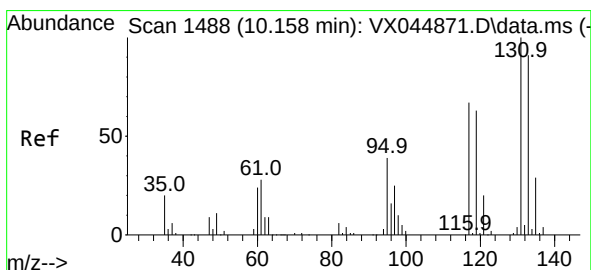
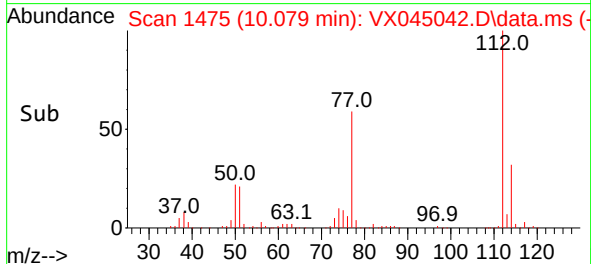
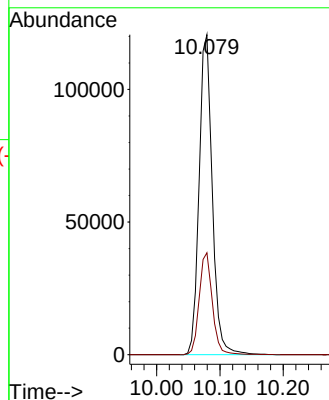
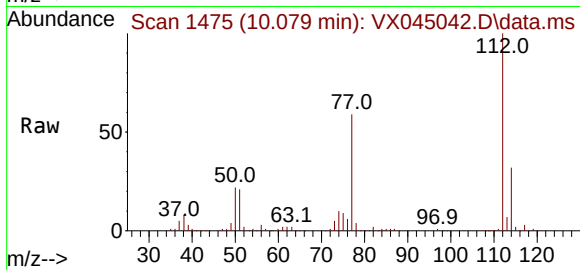
114 31.9 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 51.070 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

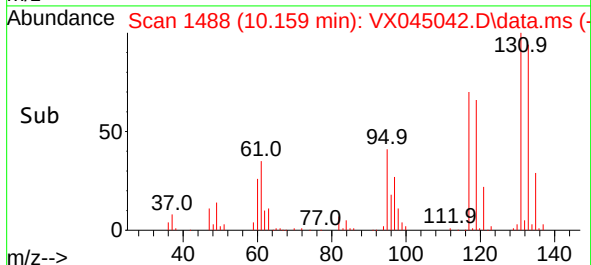
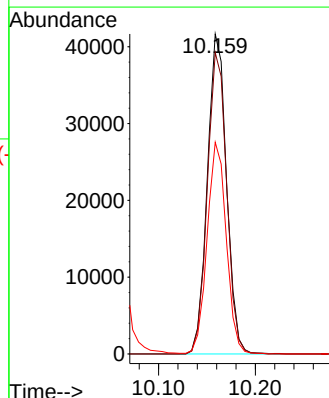
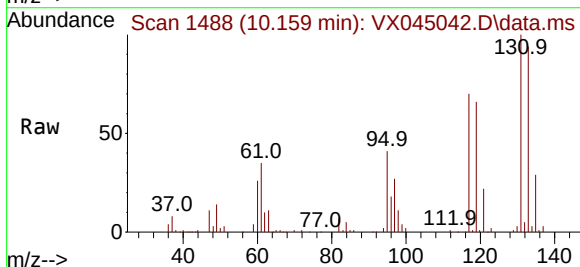
Tgt Ion:131 Resp: 57484

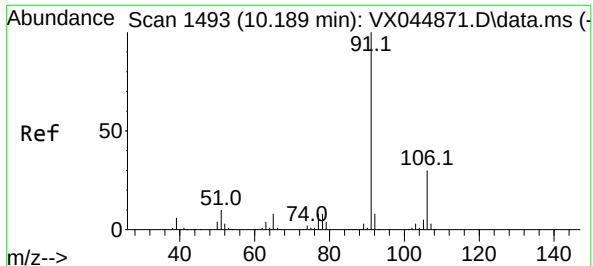
Ion Ratio Lower Upper

131 100

133 95.0 47.1 141.3

119 66.2 33.6 100.6





#67

Ethyl Benzene

Concen: 49.830 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 30751

Ion Ratio Lower Upper

91 100

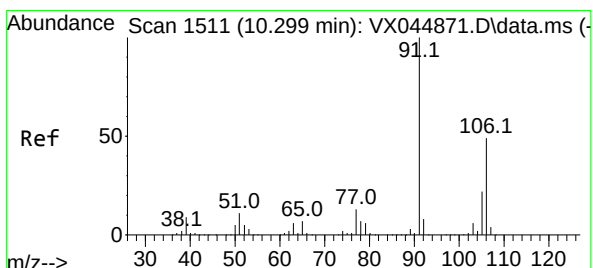
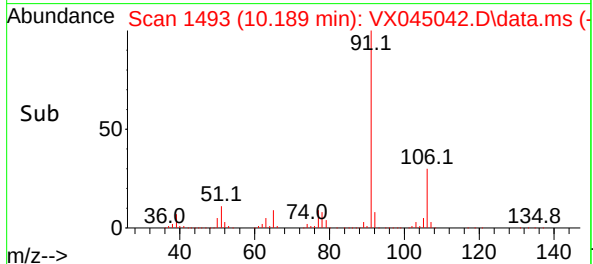
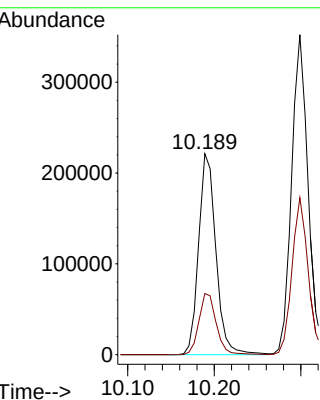
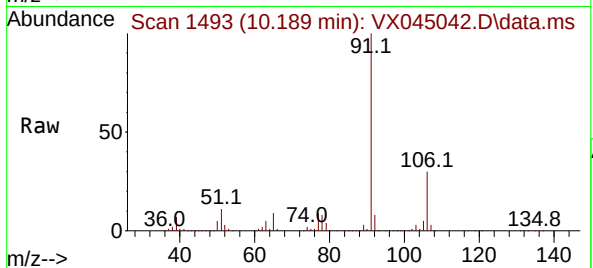
106 30.4 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#68

m/p-Xylenes

Concen: 100.639 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX045042.D

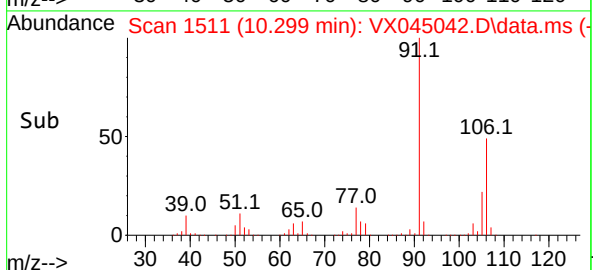
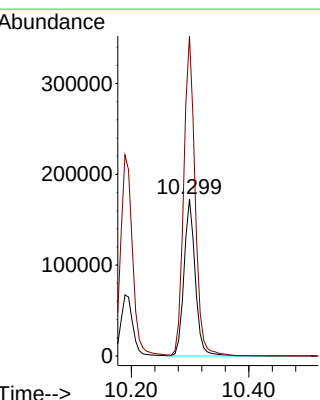
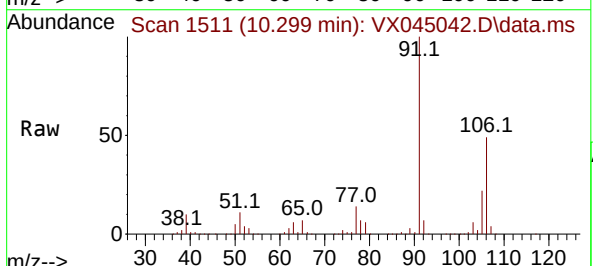
Acq: 25 Feb 2025 16:28

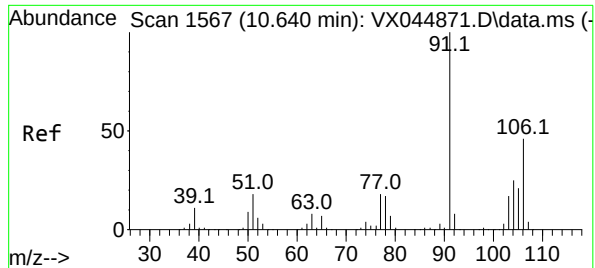
Tgt Ion:106 Resp: 229102

Ion Ratio Lower Upper

106 100

91 206.0 164.3 246.5





#69

o-Xylene

Concen: 49.701 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:106 Resp: 11353

Ion Ratio Lower Upper

106 100

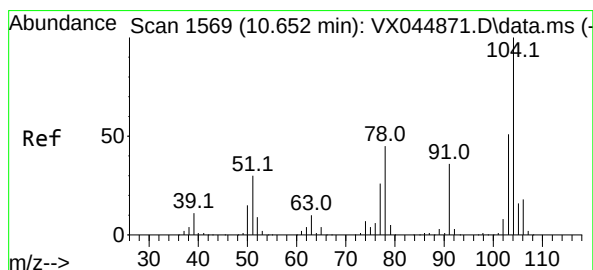
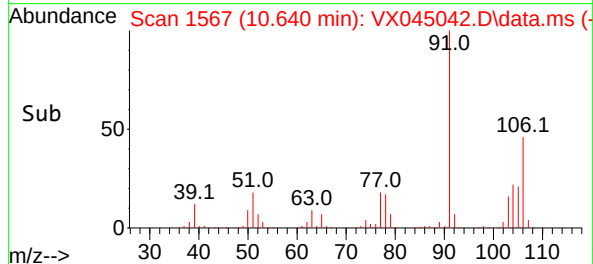
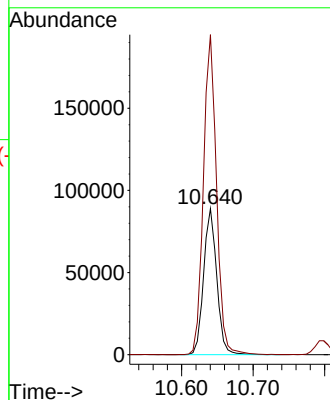
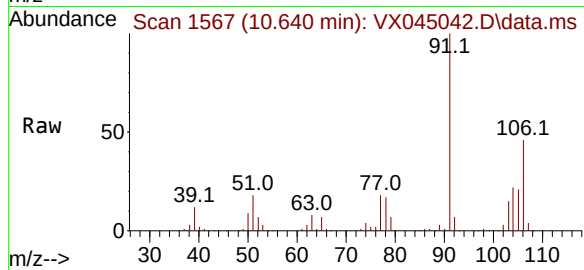
91 218.4 108.5 325.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#70

Styrene

Concen: 52.483 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

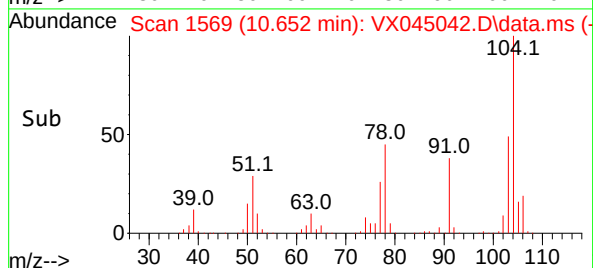
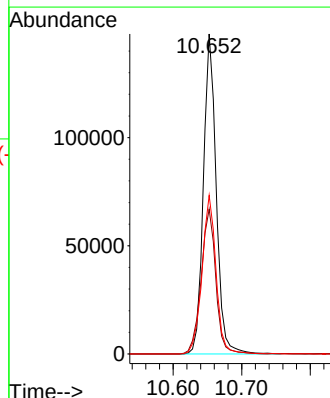
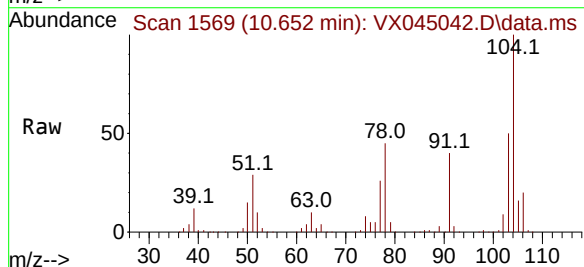
Tgt Ion:104 Resp: 193148

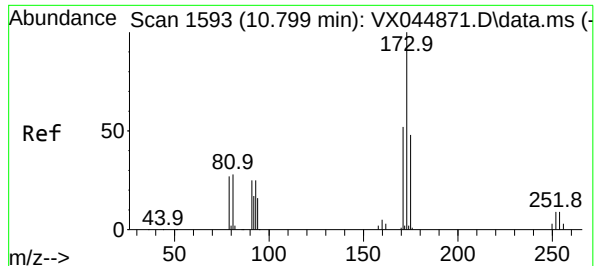
Ion Ratio Lower Upper

104 100

78 51.8 40.5 60.7

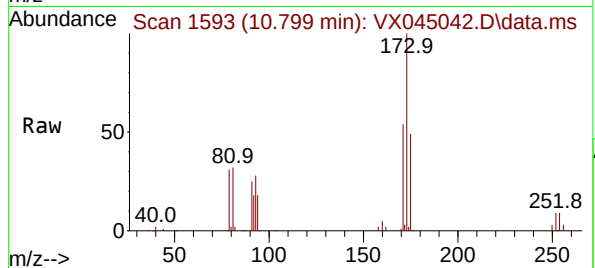
103 54.2 43.6 65.4





#71
Bromoform
Concen: 54.990 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

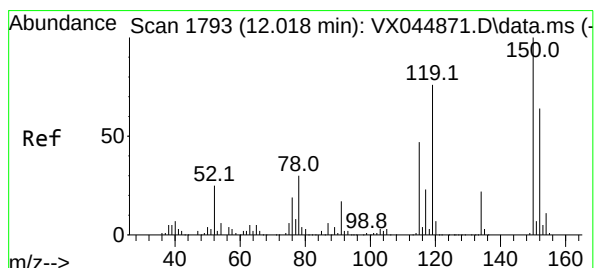
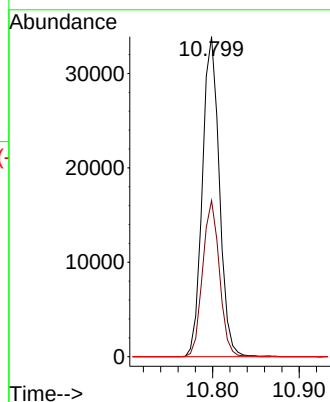
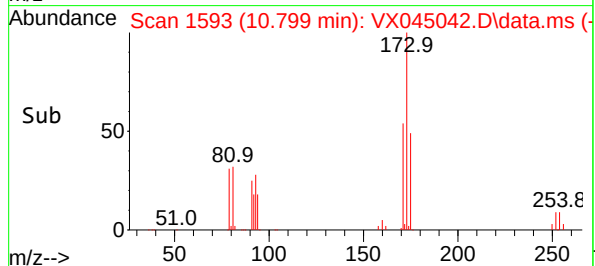
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:173 Resp: 46194
Ion Ratio Lower Upper
173 100
175 48.1 24.3 72.8
254 0.0 0.0 0.0

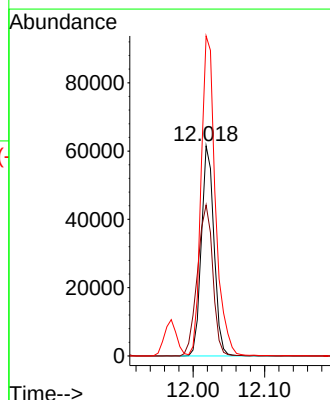
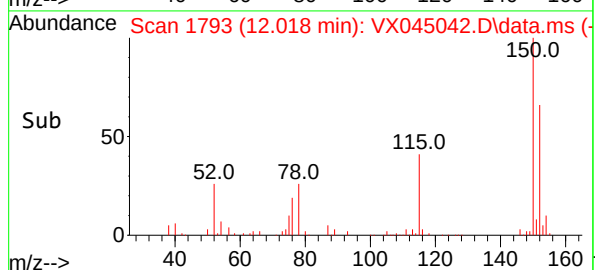
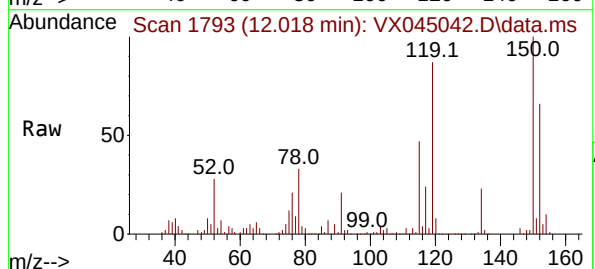
Manual Integrations
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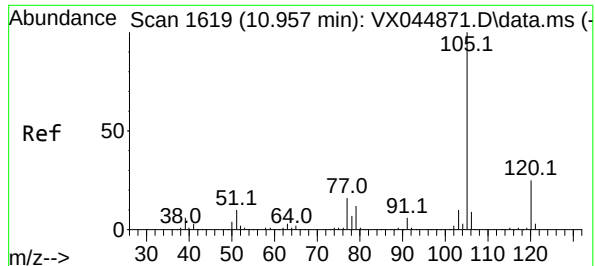
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:152 Resp: 75432
Ion Ratio Lower Upper
152 100
115 87.7 43.4 130.1
150 172.4 0.0 350.4





#73

Isopropylbenzene

Concen: 48.748 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.006 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 296079

Ion Ratio Lower Upper

105 100

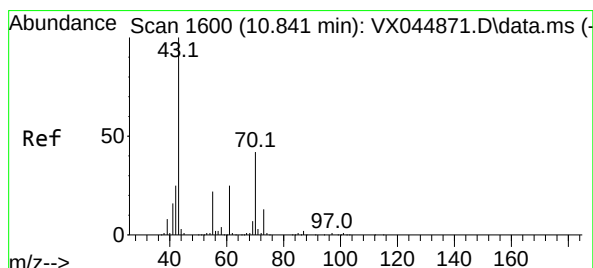
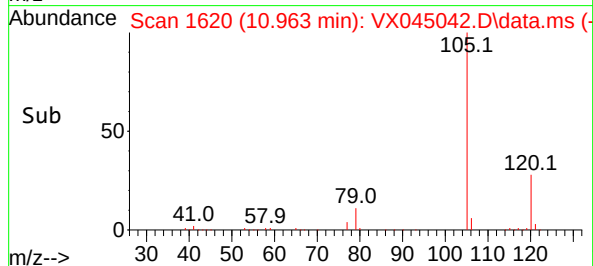
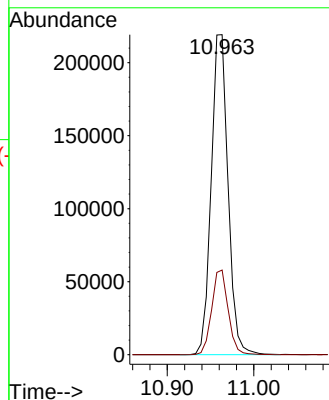
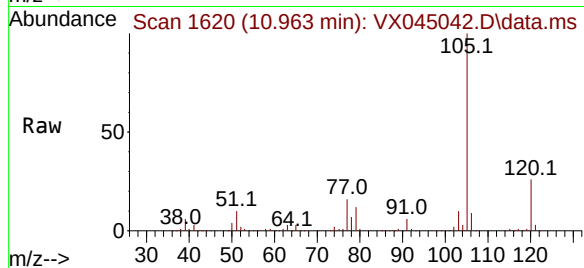
120 25.8 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#74

N-ethyl acetate

Concen: 52.132 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Tgt Ion: 43 Resp: 143282

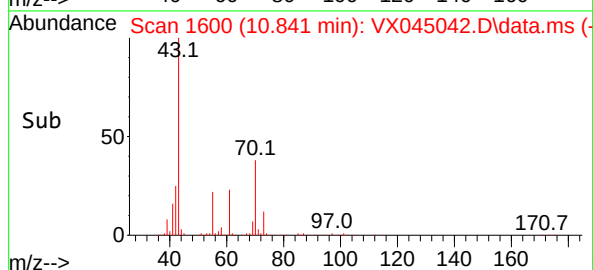
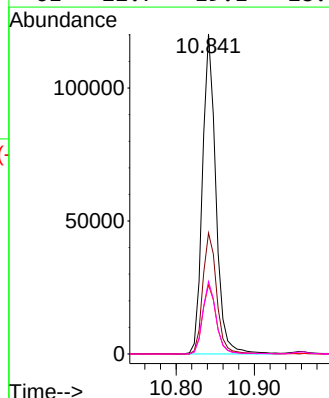
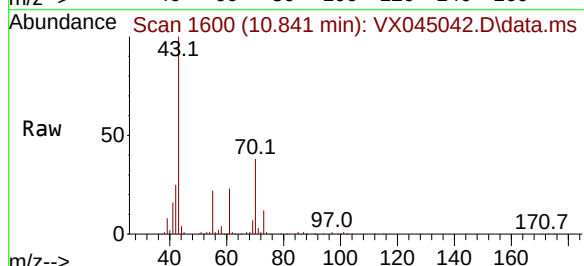
Ion Ratio Lower Upper

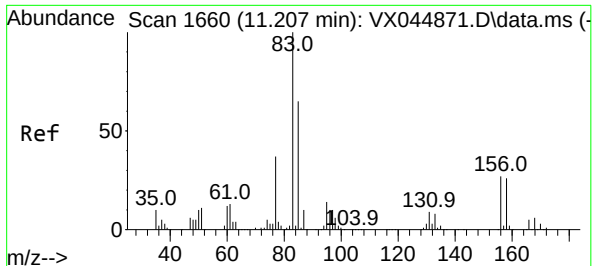
43 100

70 39.1 33.7 50.5

55 22.3 18.6 27.8

61 22.7 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 50.649 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.006 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 105710

Ion Ratio Lower Upper

83 100

131 9.1 4.5 13.5

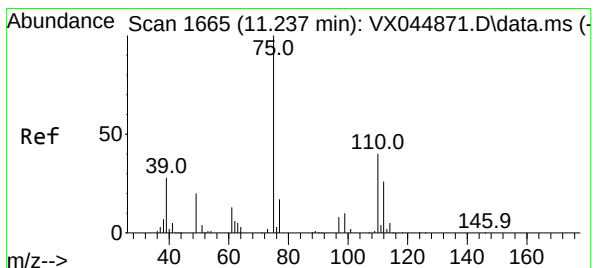
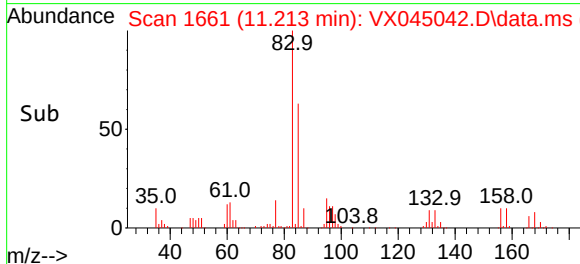
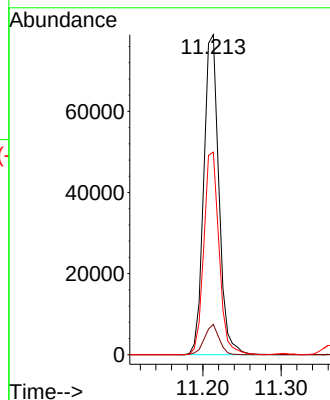
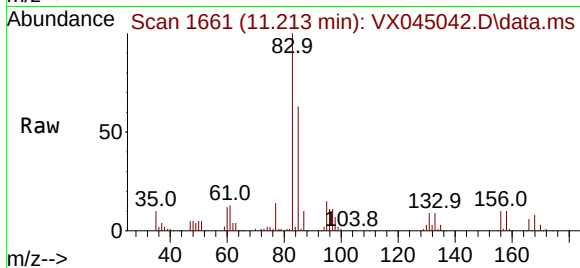
85 63.8 32.3 96.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#76

1,2,3-Trichloropropane

Concen: 51.941 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX045042.D

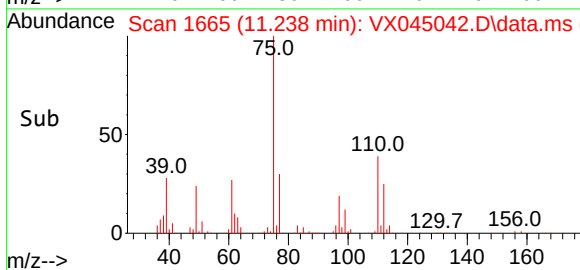
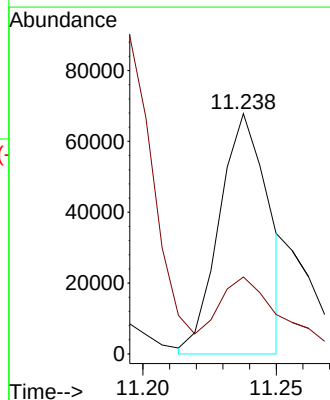
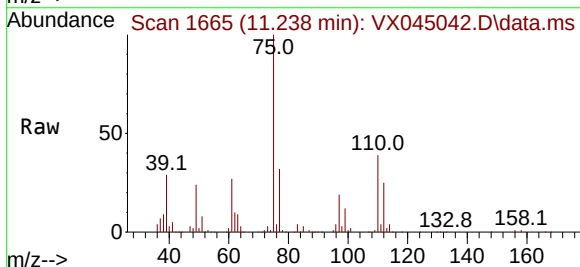
Acq: 25 Feb 2025 16:28

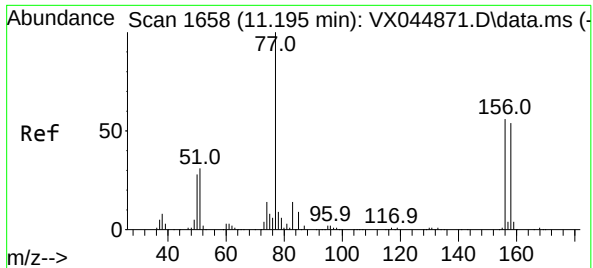
Tgt Ion: 75 Resp: 86868

Ion Ratio Lower Upper

75 100

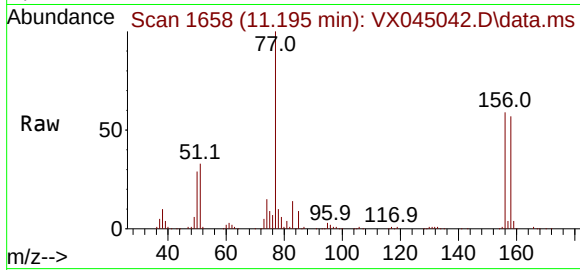
77 41.8 21.9 65.7





#77
Bromobenzene
Concen: 49.685 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

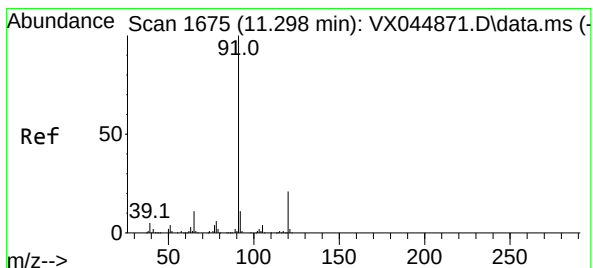
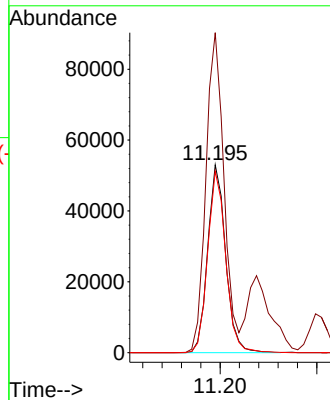
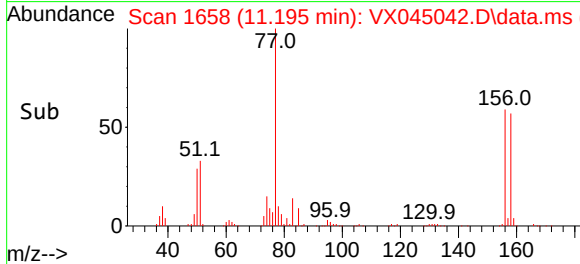
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



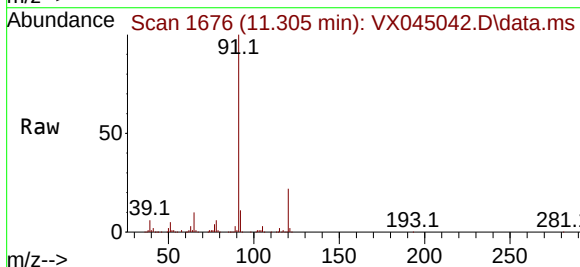
Tgt Ion: 156 Resp: 68410
Ion Ratio Lower Upper
156 100
77 171.7 88.4 265.3
158 97.4 48.4 145.2

Manual Integrations
APPROVED

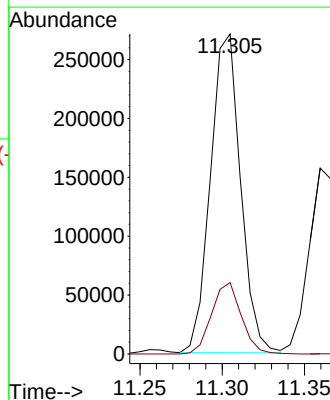
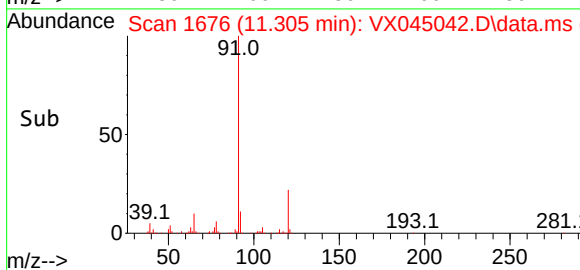
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

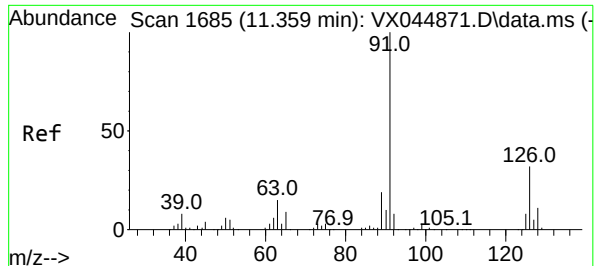


#78
n-propylbenzene
Concen: 49.208 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28



Tgt Ion: 91 Resp: 344974
Ion Ratio Lower Upper
91 100
120 22.1 11.1 33.3





#79

2-Chlorotoluene

Concen: 48.064 ug/l

RT: 11.360 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 207089

Ion Ratio Lower Upper

91 100

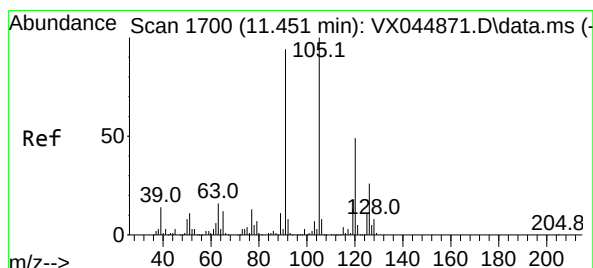
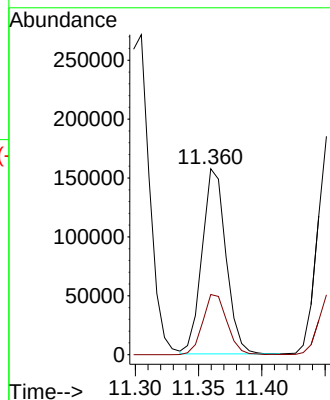
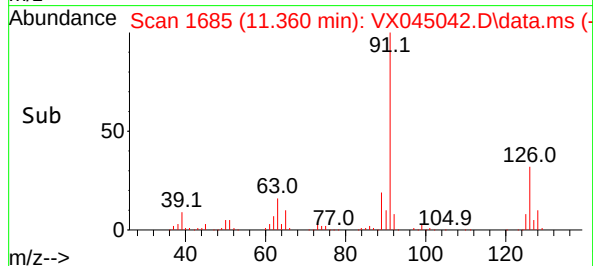
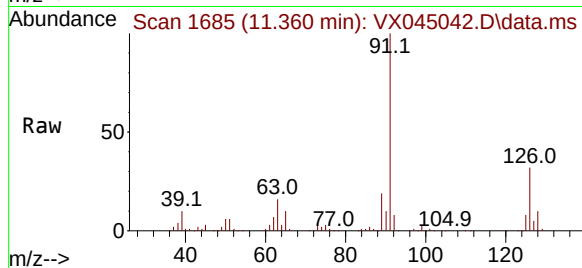
126 33.1 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#80

1,3,5-Trimethylbenzene

Concen: 48.584 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX045042.D

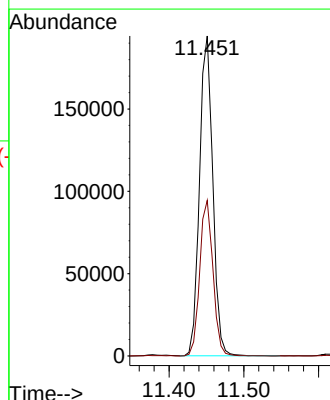
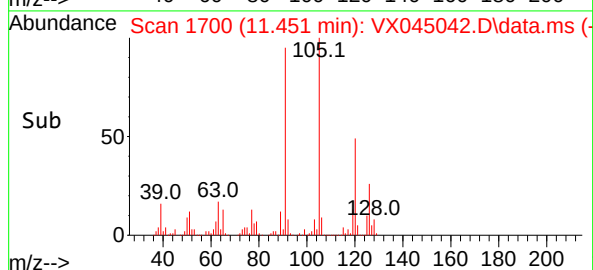
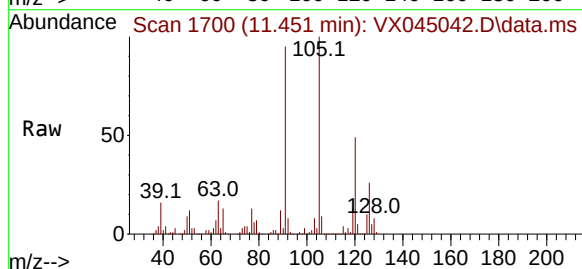
Acq: 25 Feb 2025 16:28

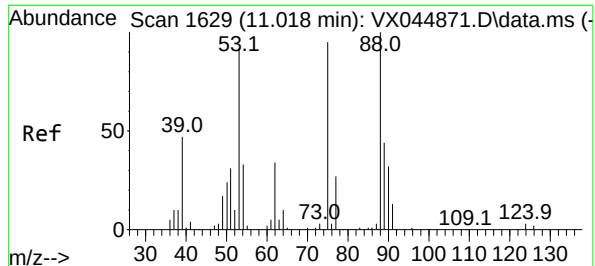
Tgt Ion:105 Resp: 239463

Ion Ratio Lower Upper

105 100

120 48.6 24.0 72.0





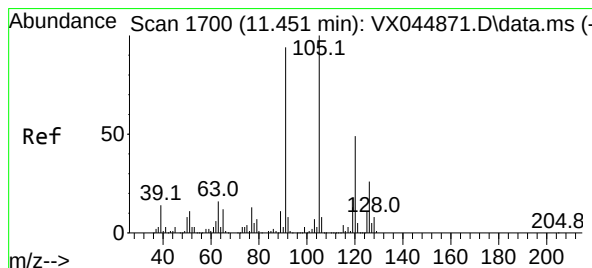
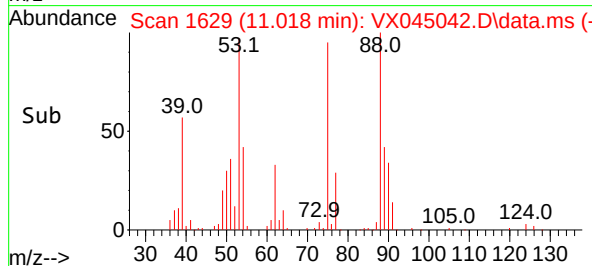
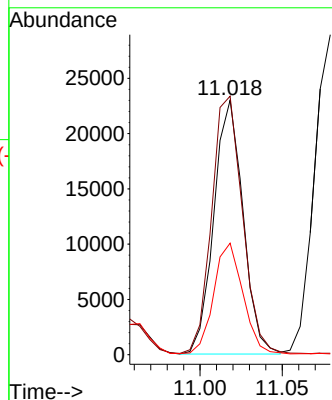
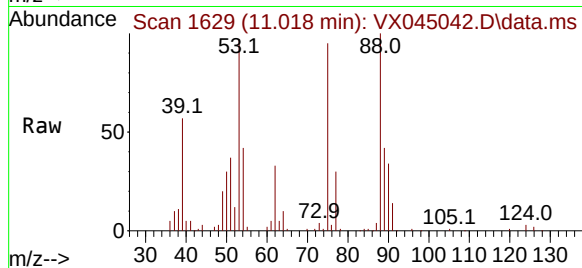
#81
trans-1,4-Dichloro-2-butene
Concen: 43.508 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 2828
Ion Ratio Lower Upper
75 100
53 107.6 78.0 117.0
89 43.8 36.6 54.8

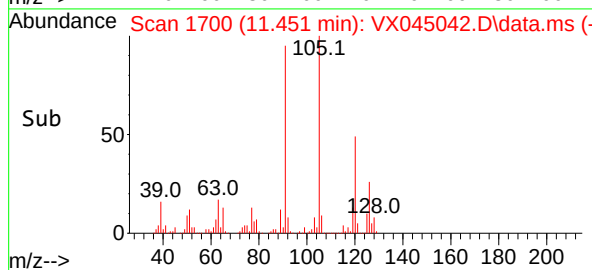
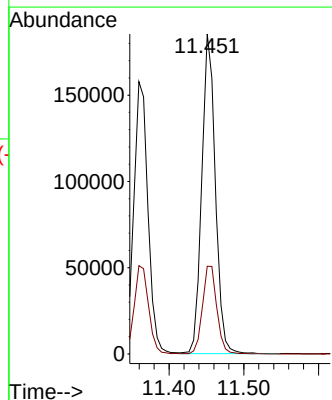
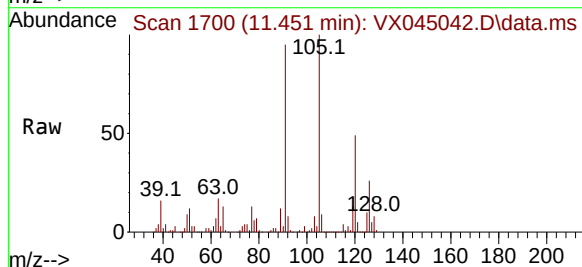
Manual Integrations
APPROVED

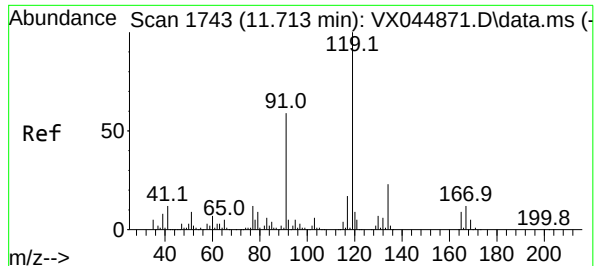
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#82
4-Chlorotoluene
Concen: 48.941 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 91 Resp: 233290
Ion Ratio Lower Upper
91 100
126 29.1 14.2 42.6





#83

tert-Butylbenzene

Concen: 49.578 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:119 Resp: 24720

Ion Ratio Lower Upper

119 100

91 61.0 29.1 87.4

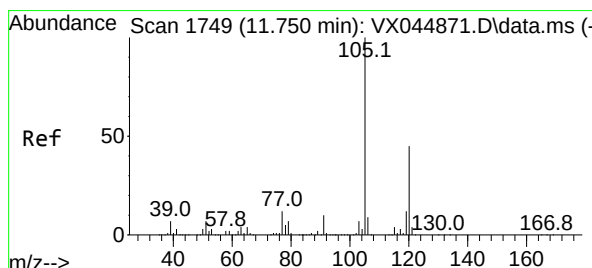
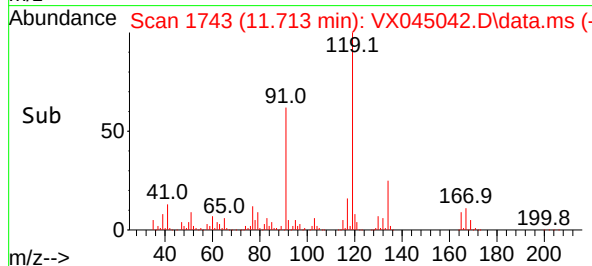
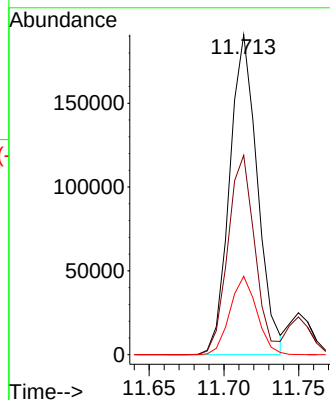
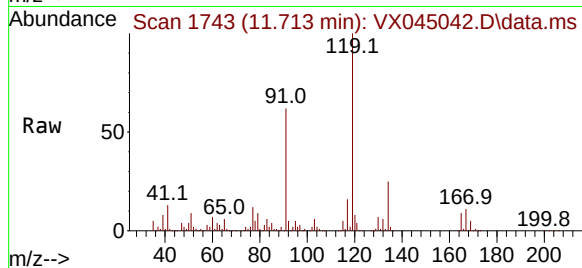
134 23.6 11.5 34.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#84

1,2,4-Trimethylbenzene

Concen: 50.676 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX045042.D

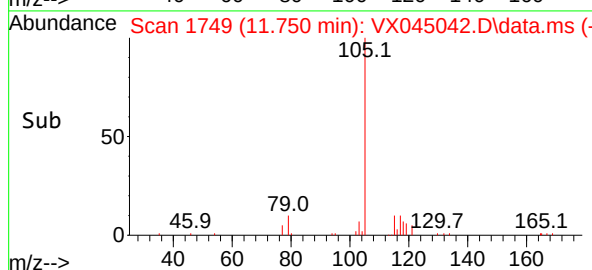
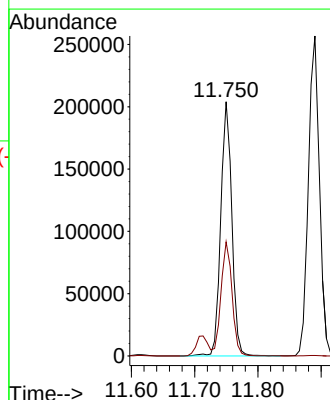
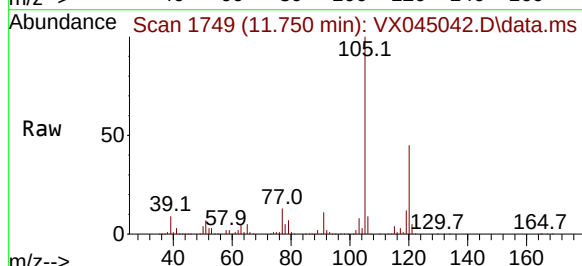
Acq: 25 Feb 2025 16:28

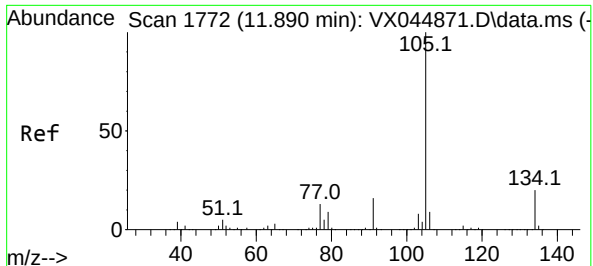
Tgt Ion:105 Resp: 246524

Ion Ratio Lower Upper

105 100

120 44.8 22.4 67.0





#85

sec-Butylbenzene

Concen: 50.503 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 311825

Ion Ratio Lower Upper

105 100

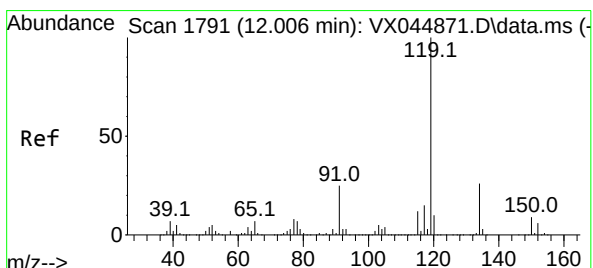
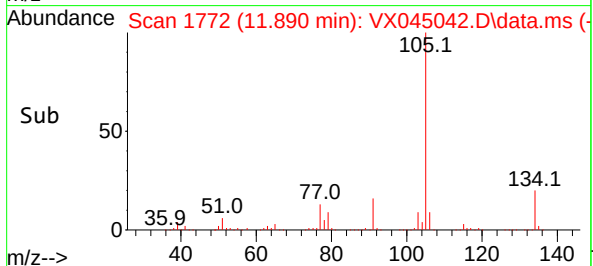
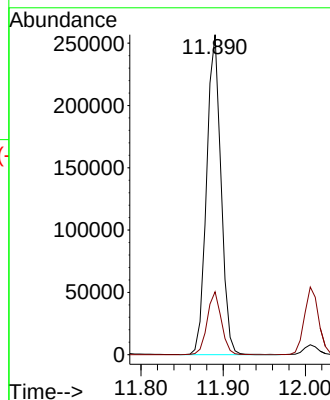
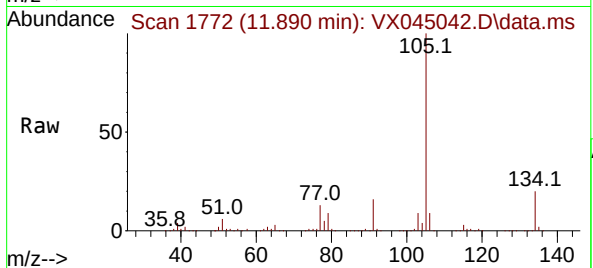
134 19.3 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#86

p-Isopropyltoluene

Concen: 50.912 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

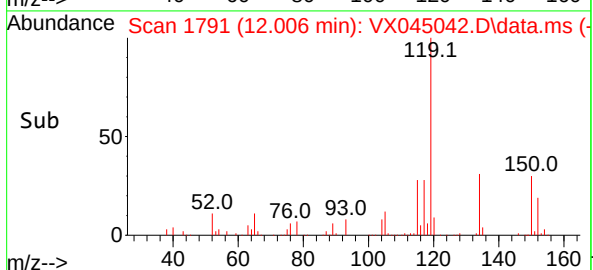
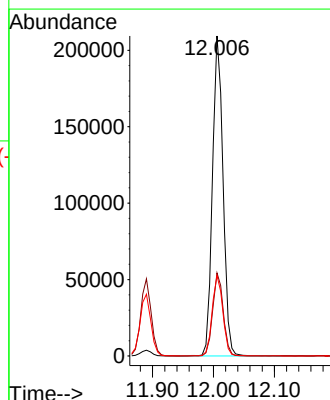
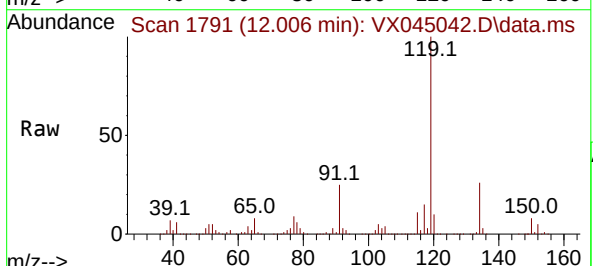
Tgt Ion:119 Resp: 252793

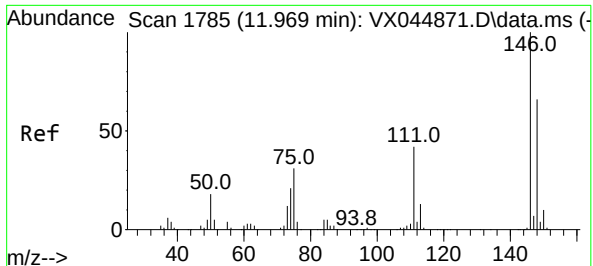
Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 25.3 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 48.698 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:146 Resp: 123315

Ion Ratio Lower Upper

146 100

111 42.4 21.2 63.6

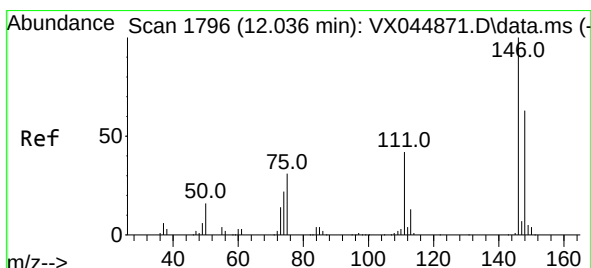
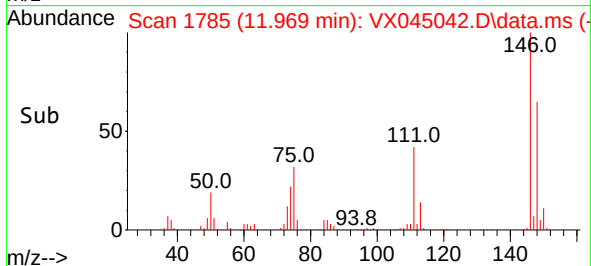
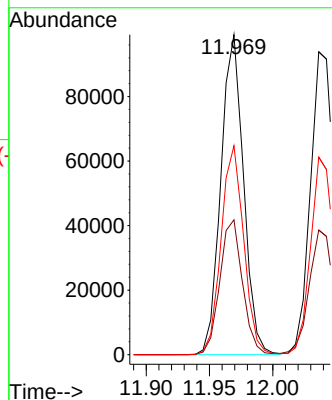
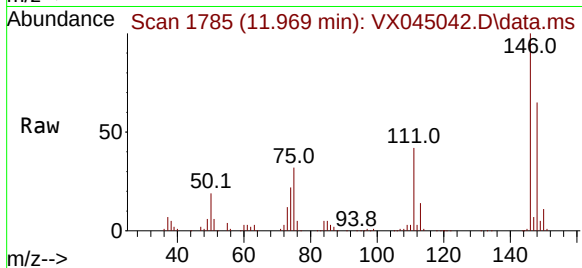
148 65.2 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#88

1,4-Dichlorobenzene

Concen: 48.630 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

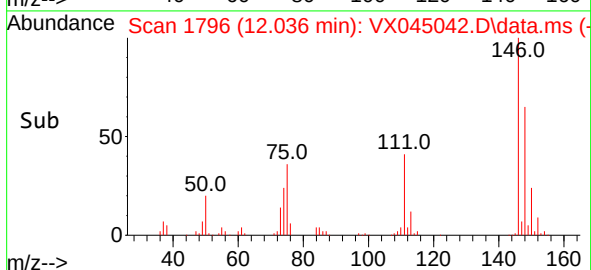
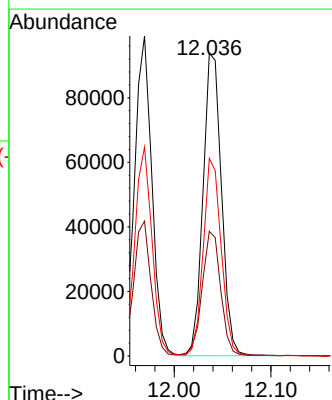
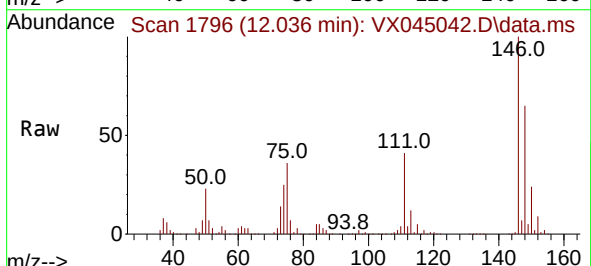
Tgt Ion:146 Resp: 124506

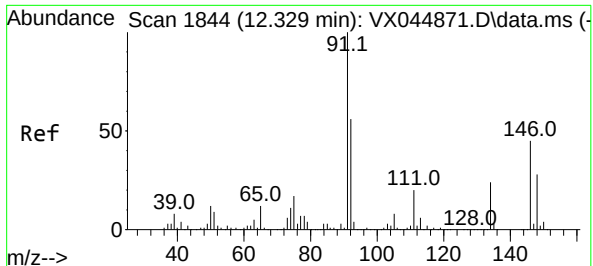
Ion Ratio Lower Upper

146 100

111 41.2 20.4 61.3

148 64.1 32.0 96.0





#89

n-Butylbenzene

Concen: 52.268 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 22960

Ion Ratio Lower Upper

91 100

92 53.7 27.2 81.6

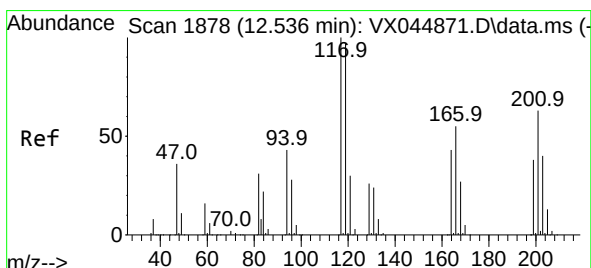
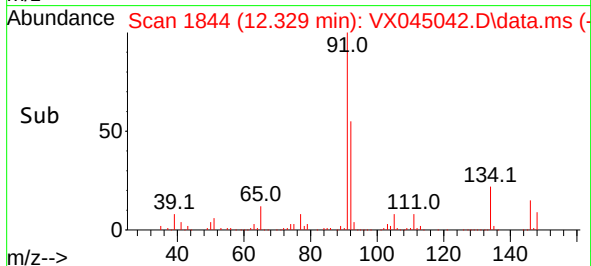
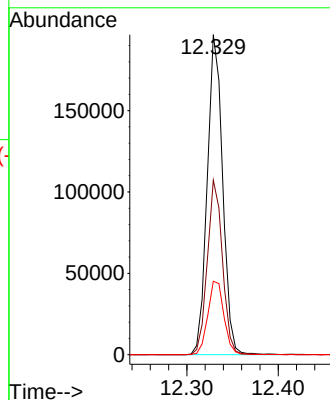
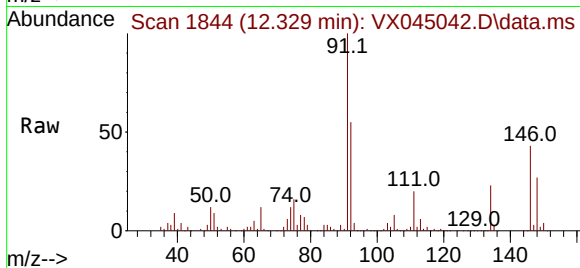
134 24.1 12.1 36.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#90

Hexachloroethane

Concen: 47.456 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX045042.D

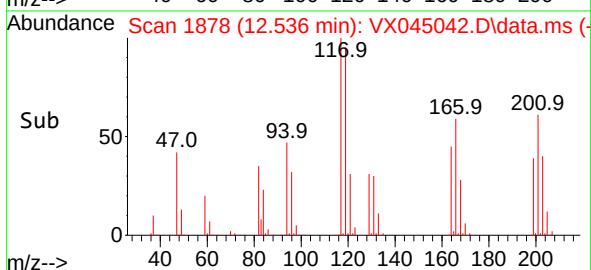
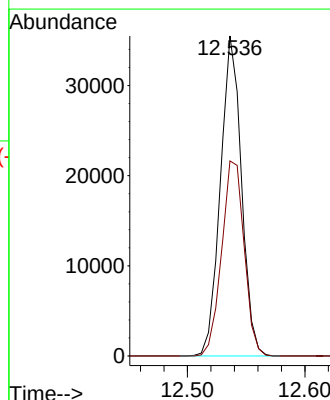
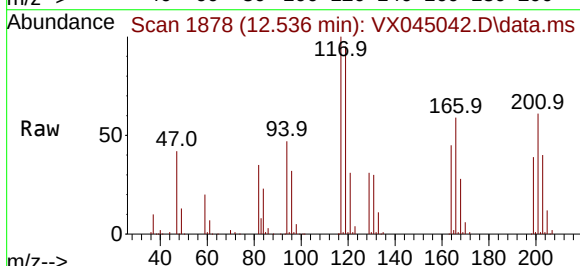
Acq: 25 Feb 2025 16:28

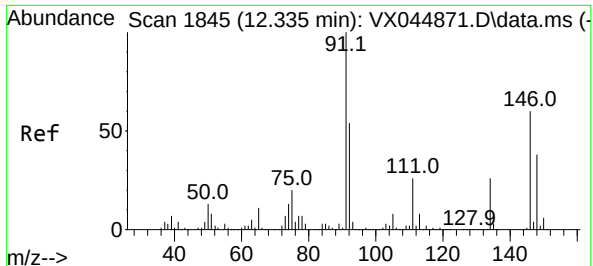
Tgt Ion:117 Resp: 44121

Ion Ratio Lower Upper

117 100

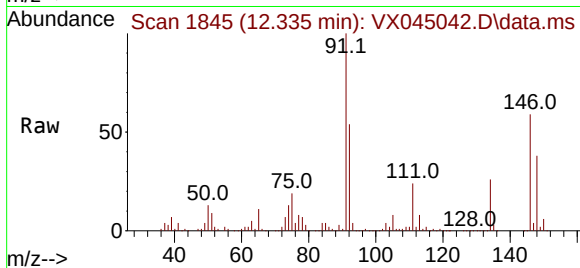
201 65.3 32.5 97.5





#91
1,2-Dichlorobenzene
Concen: 49.733 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

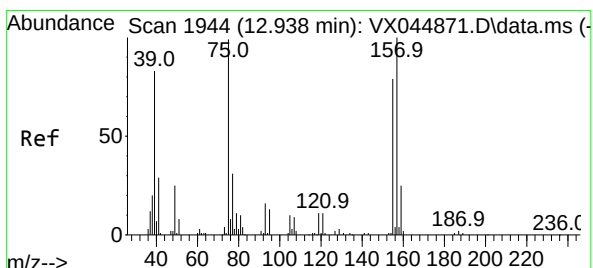
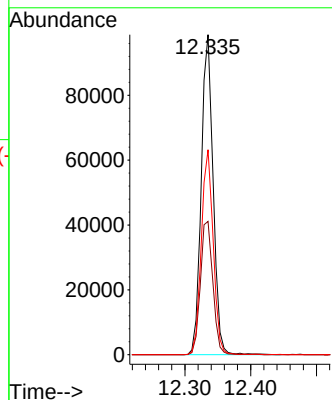
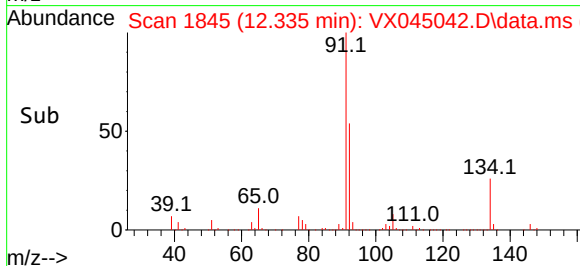
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:146 Resp: 123772
Ion Ratio Lower Upper
146 100
111 43.7 21.8 65.4
148 64.2 31.9 95.9

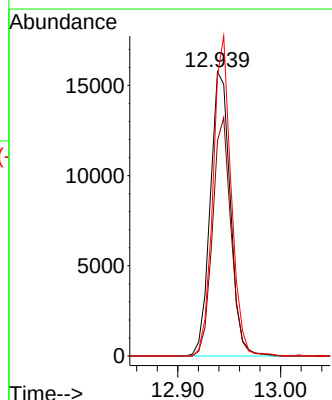
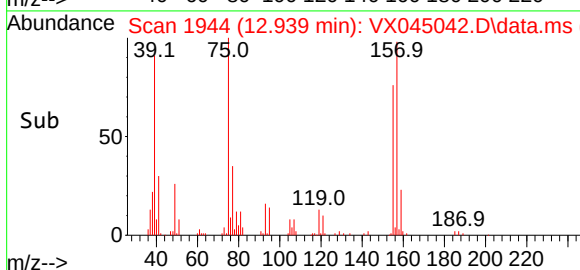
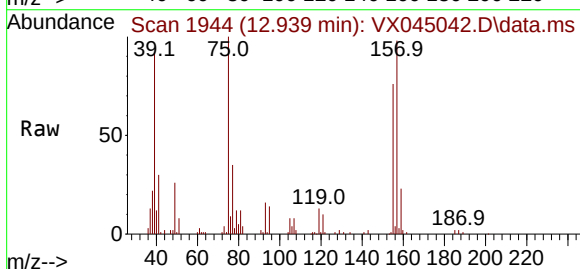
Manual Integrations
APPROVED

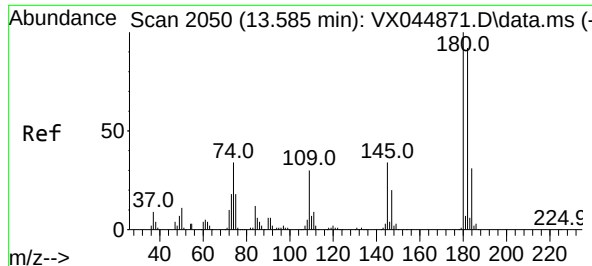
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 55.778 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 75 Resp: 21247
Ion Ratio Lower Upper
75 100
155 77.8 40.5 121.4
157 102.0 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 50.067 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

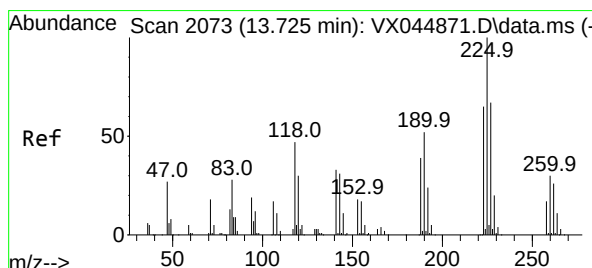
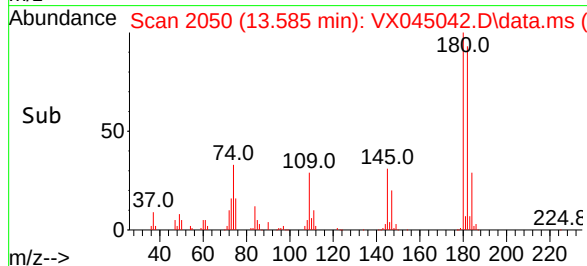
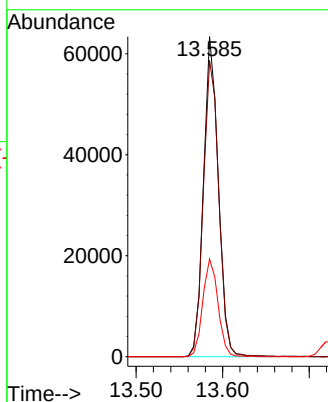
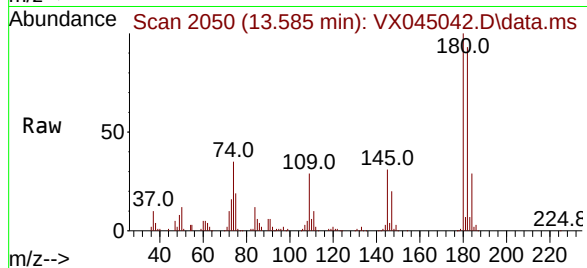
Tgt Ion:180	Resp:	75398
Ion Ratio	Lower	Upper
180	100	
182	96.4	47.6 142.8
145	31.3	16.4 49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#94

Hexachlorobutadiene

Concen: 52.565 ug/l

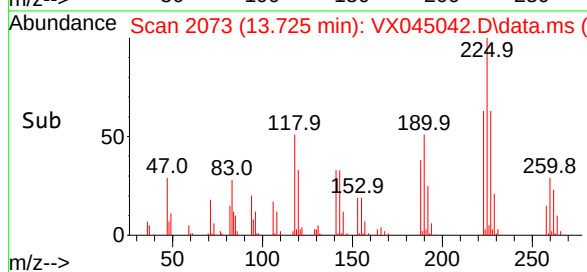
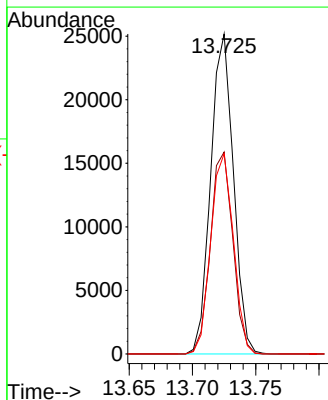
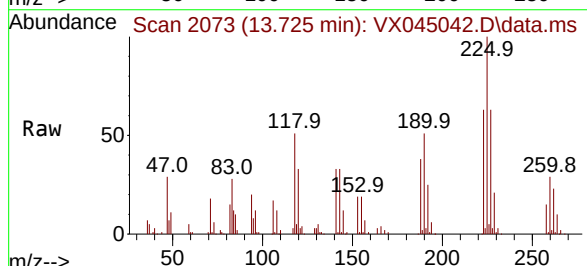
RT: 13.725 min Scan# 2073

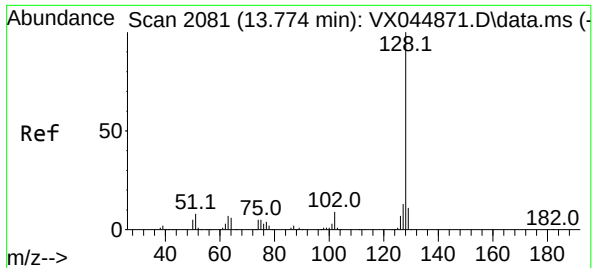
Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

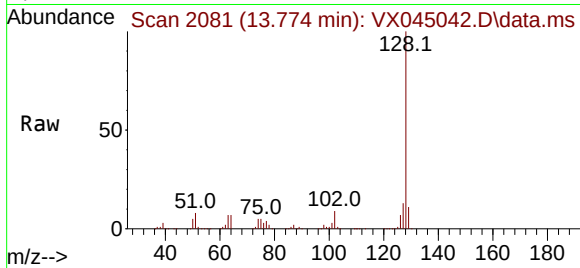
Tgt Ion:225	Resp:	31425
Ion Ratio	Lower	Upper
225	100	
223	62.3	31.4 94.2
227	62.4	32.3 96.8





#95
Naphthalene
Concen: 51.898 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

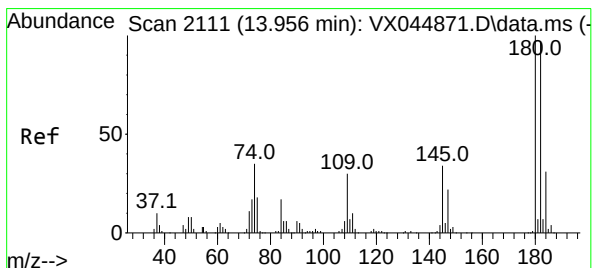
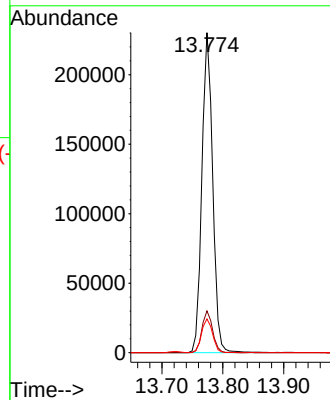
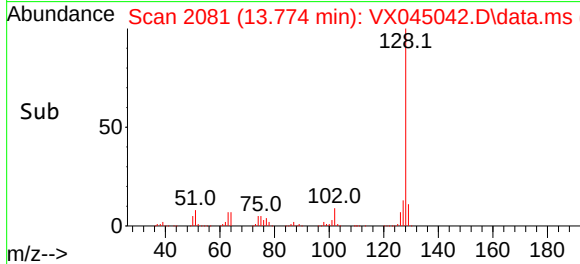
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



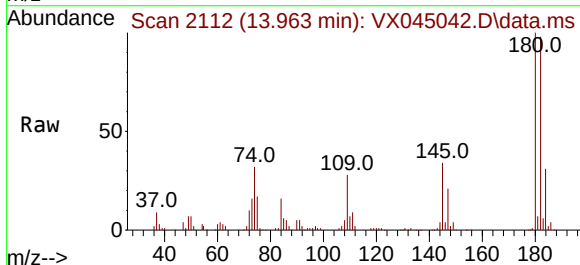
Tgt Ion:128 Resp: 28251
Ion Ratio Lower Upper
128 100
127 13.0 10.1 15.1
129 10.8 8.9 13.3

Manual Integrations
APPROVED

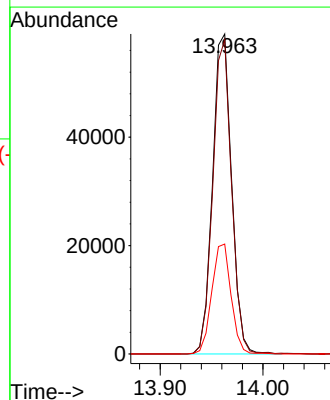
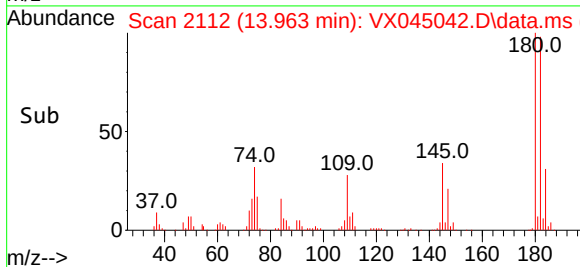
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 50.145 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28



Tgt Ion:180 Resp: 76093
Ion Ratio Lower Upper
180 100
182 96.6 47.9 143.6
145 34.9 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045042.D
Acq On : 25 Feb 2025 16:28
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 26 03:18:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 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	79	0.00
2 T	Dichlorodifluoromethane	0.701	0.662	5.6	75	0.00
3 P	Chloromethane	0.854	0.726	15.0	68	0.00
4 C	Vinyl Chloride	0.827	0.730	11.7#	72	0.00
5 T	Bromomethane	0.247	0.257	-4.0	82	0.00
6 T	Chloroethane	0.307	0.394	-28.3#	92	0.00
7 T	Trichlorofluoromethane	1.046	1.033	1.2	80	0.00
8 T	Diethyl Ether	0.379	0.375	1.1	79	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.632	0.618	2.2	78	0.00
10 T	Methyl Iodide	0.819	0.667	18.6	62	0.00
11 T	Tert butyl alcohol	0.136	0.153	-12.5	89	0.00
12 CM	1,1-Dichloroethene	0.644	0.588	8.7#	74	0.00
13 T	Acrolein	0.140	0.143	-2.1	80	0.00
14 T	Allyl chloride	1.165	1.116	4.2	77	0.00
15 T	Acrylonitrile	0.363	0.414	-14.0	87	0.00
16 T	Acetone	0.294	0.351	-19.4	95	0.00
17 T	Carbon Disulfide	1.767	1.404	20.5	63	0.00
18 T	Methyl Acetate	0.928	1.165	-25.5#	98	0.00
19 T	Methyl tert-butyl Ether	2.050	1.999	2.5	78	0.00
20 T	Methylene Chloride	0.721	0.693	3.9	78	0.00
21 T	trans-1,2-Dichloroethene	0.634	0.586	7.6	73	0.00
22 T	Diisopropyl ether	2.203	2.240	-1.7	79	0.00
23 T	Vinyl Acetate	1.796	1.820	-1.3	78	0.00
24 P	1,1-Dichloroethane	1.233	1.217	1.3	79	0.00
25 T	2-Butanone	0.478	0.582	-21.8	91	0.00
26 T	2,2-Dichloropropane	0.978	0.826	15.5	69	0.00
27 T	cis-1,2-Dichloroethene	0.762	0.735	3.5	77	0.00
28 T	Bromochloromethane	0.593	0.549	7.4	75	0.00
29 T	Tetrahydrofuran	0.317	0.374	-18.0	90	0.00
30 C	Chloroform	1.196	1.210	-1.2#	82	0.00
31 T	Cyclohexane	1.137	1.033	9.1	73	0.00
32 T	1,1,1-Trichloroethane	1.014	0.999	1.5	79	0.00
33 S	1,2-Dichloroethane-d4	0.732	0.643	12.2	70	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	78	0.00
35 S	Dibromofluoromethane	0.325	0.287	11.7	69	0.00
36 T	1,1-Dichloropropene	0.469	0.447	4.7	75	0.00
37 T	Ethyl Acetate	0.522	0.595	-14.0	88	0.00
38 T	Carbon Tetrachloride	0.460	0.456	0.9	78	0.00
39 T	Methylcyclohexane	0.606	0.586	3.3	73	0.00
40 TM	Benzene	1.465	1.440	1.7	76	0.00
41 T	Methacrylonitrile	0.279	0.338	-21.1	87	0.00
42 TM	1,2-Dichloroethane	0.467	0.512	-9.6	84	0.00
43 T	Isopropyl Acetate	0.842	0.921	-9.4	82	0.00
44 TM	Trichloroethene	0.335	0.332	0.9	77	0.00
45 C	1,2-Dichloropropane	0.364	0.369	-1.4#	78	0.00
46 T	Dibromomethane	0.253	0.265	-4.7	81	0.00
47 T	Bromodichloromethane	0.489	0.527	-7.8	82	0.00
48 T	Methyl methacrylate	0.397	0.465	-17.1	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045042.D
Acq On : 25 Feb 2025 16:28
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 26 03:18:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 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	0.011	-22.2	91	0.00
50 S	Toluene-d8	1.229	1.046	14.9	65	0.00
51 T	4-Methyl-2-Pentanone	0.512	0.643	-25.6#	90	0.00
52 CM	Toluene	0.872	0.881	-1.0#	76	0.00
53 T	t-1,3-Dichloropropene	0.495	0.493	0.4	74	0.00
54 T	cis-1,3-Dichloropropene	0.552	0.553	-0.2	74	0.00
55 T	1,1,2-Trichloroethane	0.335	0.357	-6.6	81	0.00
56 T	Ethyl methacrylate	0.542	0.594	-9.6	80	0.00
57 T	1,3-Dichloropropane	0.587	0.619	-5.5	79	0.00
58 T	2-Chloroethyl Vinyl ether	0.266	0.273	-2.6	73	0.00
59 T	2-Hexanone	0.369	0.477	-29.3#	92	0.00
60 T	Dibromochloromethane	0.359	0.388	-8.1	81	0.00
61 T	1,2-Dibromoethane	0.340	0.363	-6.8	80	0.00
62 S	4-Bromofluorobenzene	0.414	0.377	8.9	68	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	80	0.00
64 T	Tetrachloroethene	0.315	0.301	4.4	77	0.00
65 PM	Chlorobenzene	1.074	1.075	-0.1	78	0.00
66 T	1,1,1,2-Tetrachloroethane	0.346	0.353	-2.0	79	0.00
67 C	Ethyl Benzene	1.895	1.889	0.3#	78	0.00
68 T	m/p-Xylenes	0.699	0.704	-0.7	77	0.00
69 T	o-Xylene	0.701	0.697	0.6	78	0.00
70 T	Styrene	1.130	1.186	-5.0	79	0.00
71 P	Bromoform	0.258	0.284	-10.1	80	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	81	0.00
73 T	Isopropylbenzene	4.026	3.925	2.5	79	0.00
74 T	N-amyl acetate	1.822	1.899	-4.2	81	0.00
75 P	1,1,2,2-Tetrachloroethane	1.383	1.401	-1.3	84	0.00
76 T	1,2,3-Trichloropropane	1.109	1.152	-3.9	85	0.00
77 T	Bromobenzene	0.913	0.907	0.7	81	0.00
78 T	n-propylbenzene	4.647	4.573	1.6	79	0.00
79 T	2-Chlorotoluene	2.856	2.745	3.9	79	0.00
80 T	1,3,5-Trimethylbenzene	3.267	3.175	2.8	78	0.00
81 T	trans-1,4-Dichloro-2-butene	0.431	0.375	13.0	70	0.00
82 T	4-Chlorotoluene	3.160	3.093	2.1	79	0.00
83 T	tert-Butylbenzene	3.305	3.277	0.8	81	0.00
84 T	1,2,4-Trimethylbenzene	3.225	3.268	-1.3	79	0.00
85 T	sec-Butylbenzene	4.093	4.134	-1.0	81	0.00
86 T	p-Isopropyltoluene	3.291	3.351	-1.8	80	0.00
87 T	1,3-Dichlorobenzene	1.678	1.635	2.6	79	0.00
88 T	1,4-Dichlorobenzene	1.697	1.651	2.7	80	0.00
89 T	n-Butylbenzene	2.912	3.044	-4.5	80	0.00
90 T	Hexachloroethane	0.616	0.585	5.0	77	0.00
91 T	1,2-Dichlorobenzene	1.650	1.641	0.5	80	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.252	0.282	-11.9	89	0.00
93 T	1,2,4-Trichlorobenzene	0.998	1.000	-0.2	80	0.00
94 T	Hexachlorobutadiene	0.396	0.417	-5.3	89	0.00
95 T	Naphthalene	3.608	3.745	-3.8	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045042.D
Acq On : 25 Feb 2025 16:28
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 26 03:18:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 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	1.006	1.009	-0.3	80	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045042.D
Acq On : 25 Feb 2025 16:28
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 26 03:18:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 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	79	0.00
2 T	Dichlorodifluoromethane	50.000	47.191	5.6	75	0.00
3 P	Chloromethane	50.000	42.510	15.0	68	0.00
4 C	Vinyl Chloride	50.000	44.148	11.7#	72	0.00
5 T	Bromomethane	50.000	51.910	-3.8	82	0.00
6 T	Chloroethane	50.000	65.667	-31.3#	92	0.00
7 T	Trichlorofluoromethane	50.000	49.402	1.2	80	0.00
8 T	Diethyl Ether	50.000	49.451	1.1	79	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.918	2.2	78	0.00
10 T	Methyl Iodide	50.000	40.700	18.6	62	0.00
11 T	Tert butyl alcohol	250.000	281.037	-12.4	89	0.00
12 CM	1,1-Dichloroethene	50.000	45.588	8.8#	74	0.00
13 T	Acrolein	250.000	255.616	-2.2	80	0.00
14 T	Allyl chloride	50.000	47.898	4.2	77	0.00
15 T	Acrylonitrile	250.000	285.568	-14.2	87	0.00
16 T	Acetone	250.000	298.382	-19.4	95	0.00
17 T	Carbon Disulfide	50.000	39.728	20.5	63	0.00
18 T	Methyl Acetate	50.000	62.739	-25.5#	98	0.00
19 T	Methyl tert-butyl Ether	50.000	48.753	2.5	78	0.00
20 T	Methylene Chloride	50.000	48.077	3.8	78	0.00
21 T	trans-1,2-Dichloroethene	50.000	46.216	7.6	73	0.00
22 T	Diisopropyl ether	50.000	50.838	-1.7	79	0.00
23 T	Vinyl Acetate	250.000	253.291	-1.3	78	0.00
24 P	1,1-Dichloroethane	50.000	49.371	1.3	79	0.00
25 T	2-Butanone	250.000	304.657	-21.9	91	0.00
26 T	2,2-Dichloropropane	50.000	42.253	15.5	69	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.253	3.5	77	0.00
28 T	Bromochloromethane	50.000	46.355	7.3	75	0.00
29 T	Tetrahydrofuran	250.000	294.997	-18.0	90	0.00
30 C	Chloroform	50.000	50.613	-1.2#	82	0.00
31 T	Cyclohexane	50.000	45.441	9.1	73	0.00
32 T	1,1,1-Trichloroethane	50.000	49.259	1.5	79	0.00
33 S	1,2-Dichloroethane-d4	50.000	43.914	12.2	70	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	78	0.00
35 S	Dibromofluoromethane	50.000	44.160	11.7	69	0.00
36 T	1,1-Dichloropropene	50.000	47.660	4.7	75	0.00
37 T	Ethyl Acetate	50.000	57.029	-14.1	88	0.00
38 T	Carbon Tetrachloride	50.000	49.565	0.9	78	0.00
39 T	Methylcyclohexane	50.000	48.316	3.4	73	0.00
40 TM	Benzene	50.000	49.173	1.7	76	0.00
41 T	Methacrylonitrile	50.000	60.575	-21.2	87	0.00
42 TM	1,2-Dichloroethane	50.000	54.837	-9.7	84	0.00
43 T	Isopropyl Acetate	50.000	54.640	-9.3	82	0.00
44 TM	Trichloroethene	50.000	49.623	0.8	77	0.00
45 C	1,2-Dichloropropane	50.000	50.580	-1.2#	78	0.00
46 T	Dibromomethane	50.000	52.418	-4.8	81	0.00
47 T	Bromodichloromethane	50.000	53.860	-7.7	82	0.00
48 T	Methyl methacrylate	50.000	58.478	-17.0	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045042.D
Acq On : 25 Feb 2025 16:28
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 26 03:18:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 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	1235.809	-23.6	91	0.00
50 S	Toluene-d8	50.000	42.538	14.9	65	0.00
51 T	4-Methyl-2-Pentanone	250.000	314.005	-25.6#	90	0.00
52 CM	Toluene	50.000	50.528	-1.1#	76	0.00
53 T	t-1,3-Dichloropropene	50.000	49.754	0.5	74	0.00
54 T	cis-1,3-Dichloropropene	50.000	50.101	-0.2	74	0.00
55 T	1,1,2-Trichloroethane	50.000	53.170	-6.3	81	0.00
56 T	Ethyl methacrylate	50.000	54.804	-9.6	80	0.00
57 T	1,3-Dichloropropane	50.000	52.787	-5.6	79	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	256.347	-2.5	73	0.00
59 T	2-Hexanone	250.000	323.037	-29.2#	92	0.00
60 T	Dibromochloromethane	50.000	54.145	-8.3	81	0.00
61 T	1,2-Dibromoethane	50.000	53.373	-6.7	80	0.00
62 S	4-Bromofluorobenzene	50.000	45.505	9.0	68	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	80	0.00
64 T	Tetrachloroethene	50.000	47.807	4.4	77	0.00
65 PM	Chlorobenzene	50.000	50.041	-0.1	78	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.070	-2.1	79	0.00
67 C	Ethyl Benzene	50.000	49.830	0.3#	78	0.00
68 T	m/p-Xylenes	100.000	100.639	-0.6	77	0.00
69 T	o-Xylene	50.000	49.701	0.6	78	0.00
70 T	Styrene	50.000	52.483	-5.0	79	0.00
71 P	Bromoform	50.000	54.990	-10.0	80	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	81	0.00
73 T	Isopropylbenzene	50.000	48.748	2.5	79	0.00
74 T	N-ethyl acetate	50.000	52.132	-4.3	81	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	50.649	-1.3	84	0.00
76 T	1,2,3-Trichloropropane	50.000	51.941	-3.9	85	0.00
77 T	Bromobenzene	50.000	49.685	0.6	81	0.00
78 T	n-propylbenzene	50.000	49.208	1.6	79	0.00
79 T	2-Chlorotoluene	50.000	48.064	3.9	79	0.00
80 T	1,3,5-Trimethylbenzene	50.000	48.584	2.8	78	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	43.508	13.0	70	0.00
82 T	4-Chlorotoluene	50.000	48.941	2.1	79	0.00
83 T	tert-Butylbenzene	50.000	49.578	0.8	81	0.00
84 T	1,2,4-Trimethylbenzene	50.000	50.676	-1.4	79	0.00
85 T	sec-Butylbenzene	50.000	50.503	-1.0	81	0.00
86 T	p-Isopropyltoluene	50.000	50.912	-1.8	80	0.00
87 T	1,3-Dichlorobenzene	50.000	48.698	2.6	79	0.00
88 T	1,4-Dichlorobenzene	50.000	48.630	2.7	80	0.00
89 T	n-Butylbenzene	50.000	52.268	-4.5	80	0.00
90 T	Hexachloroethane	50.000	47.456	5.1	77	0.00
91 T	1,2-Dichlorobenzene	50.000	49.733	0.5	80	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	55.778	-11.6	89	0.00
93 T	1,2,4-Trichlorobenzene	50.000	50.067	-0.1	80	0.00
94 T	Hexachlorobutadiene	50.000	52.565	-5.1	89	0.00
95 T	Naphthalene	50.000	51.898	-3.8	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045042.D
Acq On : 25 Feb 2025 16:28
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 26 03:18:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 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	50.145	-0.3	80	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: TETR06

Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG No.: Q1423

Instrument ID: MSVOA_X Calibration Date/Time: 02/28/2025 10:32

Lab File ID: VX045077.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
Chloromethane	0.770	0.741	0.1	-3.77	20
Vinyl Chloride	0.764	0.729		-4.58	20
Bromomethane	0.300	0.282		-6	20
Chloroethane	0.352	0.283		-19.6	20
Trichlorofluoromethane	1.012	0.999		-1.28	20
1,1,2-Trichlorotrifluoroethane	0.581	0.595		2.41	20
1,1-Dichloroethene	0.614	0.584		-4.89	20
Acetone	0.369	0.312		-15.45	20
Carbon Disulfide	1.636	1.571		-3.97	20
Methyl tert-butyl Ether	2.061	1.935		-6.11	20
Methylene Chloride	0.731	0.667		-8.76	20
trans-1,2-Dichloroethene	0.607	0.586		-3.46	20
1,1-Dichloroethane	1.247	1.167	0.1	-6.41	20
2-Butanone	0.555	0.512		-7.75	20
Carbon Tetrachloride	0.465	0.459		-1.29	20
cis-1,2-Dichloroethene	0.749	0.712		-4.94	20
Chloroform	1.239	1.140		-7.99	20
1,1,1-Trichloroethane	1.000	0.948		-5.2	20
Methylcyclohexane	0.549	0.617		12.39	20
Benzene	1.448	1.433		-1.04	20
1,2-Dichloroethane	0.521	0.494		-5.18	20
Trichloroethene	0.340	0.328		-3.53	20
1,2-Dichloropropane	0.372	0.358		-3.76	20
Bromodichloromethane	0.516	0.508		-1.55	20
4-Methyl-2-Pentanone	0.587	0.565		-3.75	20
Toluene	0.849	0.870		2.47	20
t-1,3-Dichloropropene	0.431	0.483		12.06	20
cis-1,3-Dichloropropene	0.503	0.551		9.54	20
1,1,2-Trichloroethane	0.350	0.330		-5.71	20
2-Hexanone	0.425	0.411		-3.29	20
Dibromochloromethane	0.366	0.367		0.27	20
Tetrachloroethene	0.320	0.319		-0.31	20
Chlorobenzene	1.058	1.039	0.3	-1.8	20
Ethyl Benzene	1.843	1.879		1.95	20
m/p-Xylenes	0.675	0.694		2.82	20
o-Xylene	0.681	0.685		0.59	20
Styrene	1.101	1.143		3.82	20
Bromoform	0.266	0.268	0.1	0.75	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: TETR06

Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG No.: Q1423

Instrument ID: MSVOA_X Calibration Date/Time: 02/28/2025 10:32

Lab File ID: VX045077.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
Isopropylbenzene	3.903	3.973		1.79	20
1,1,2,2-Tetrachloroethane	1.432	1.334	0.3	-6.84	20
1,3-Dichlorobenzene	1.643	1.660		1.03	20
1,4-Dichlorobenzene	1.662	1.653		-0.54	20
1,2-Dichlorobenzene	1.648	1.652		0.24	20
1,2-Dichloroethane-d4	0.795	0.733		-7.8	20
Dibromofluoromethane	0.334	0.331		-0.9	20
Toluene-d8	1.212	1.209		-0.25	20
4-Bromofluorobenzene	0.402	0.404		0.5	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045077.D
 Acq On : 28 Feb 2025 10:32
 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 03/03/2025
 Supervised By : Mahesh Dadoda 03/03/2025

Quant Time: Feb 28 14:27:49 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	111989	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.751	114	196414	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	172369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76314	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	82143	46.113	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.220%
35) Dibromofluoromethane	5.373	113	65054	49.532	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.060%
50) Toluene-d8	8.647	98	237369	49.853	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.700%
62) 4-Bromofluorobenzene	11.079	95	79413	50.332	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.660%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	70744	50.185	ug/l	96
3) Chloromethane	1.300	50	83018	48.123	ug/l	100
4) Vinyl Chloride	1.374	62	81653	47.712	ug/l	98
5) Bromomethane	1.593	94	31592	46.959	ug/l	98
6) Chloroethane	1.660	64	31648	40.092	ug/l	99
7) Trichlorofluoromethane	1.867	101	111880	49.383	ug/l	98
8) Diethyl Ether	2.136	74	40610	45.828	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.312	101	66640	51.199	ug/l	99
10) Methyl Iodide	2.440	142	76401	46.970	ug/l	98
11) Tert butyl alcohol	2.995	59	71200m	211.016	ug/l	
12) 1,1-Dichloroethene	2.306	96	65383	47.513	ug/l	98
13) Acrolein	2.233	56	101424	260.033	ug/l	99
14) Allyl chloride	2.654	41	121309	49.523	ug/l	99
15) Acrylonitrile	3.062	53	203403	224.925	ug/l	99
16) Acetone	2.386	43	174653	211.319	ug/l	98
17) Carbon Disulfide	2.501	76	175990	48.016	ug/l	97
18) Methyl Acetate	2.703	43	88925	44.725	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	216663	46.929	ug/l	97
20) Methylene Chloride	2.782	84	74677	45.613	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	65595	48.249	ug/l	99
22) Diisopropyl ether	3.757	45	240622	48.301	ug/l	93
23) Vinyl Acetate	3.715	43	1044255	251.185	ug/l	99
24) 1,1-Dichloroethane	3.599	63	130733	46.825	ug/l	99
25) 2-Butanone	4.556	43	286458	230.258	ug/l	100
26) 2,2-Dichloropropane	4.464	77	95125	72.639	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	79716	47.500	ug/l	97
28) Bromochloromethane	4.891	49	61824	46.457	ug/l	98
29) Tetrahydrofuran	5.001	42	187451	224.369	ug/l	100
30) Chloroform	5.086	83	127656	46.017	ug/l	98
31) Cyclohexane	5.458	56	120742	49.820	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	106176	47.389	ug/l	99
36) 1,1-Dichloropropene	5.684	75	88691	49.241	ug/l	99
37) Ethyl Acetate	4.714	43	110594	47.651	ug/l	98
38) Carbon Tetrachloride	5.665	117	90184	49.318	ug/l	97
39) Methylcyclohexane	7.372	83	121207	56.161	ug/l	98
40) Benzene	6.031	78	281425	49.480	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045077.D
 Acq On : 28 Feb 2025 10:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 28 14:27:49 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 03/03/2025
 Supervised By :Mahesh Dadoda 03/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	60396	48.126	ug/l	98
42) 1,2-Dichloroethane	6.080	62	97091	47.405	ug/l	100
43) Isopropyl Acetate	6.336	43	172076	50.139	ug/l	100
44) Trichloroethene	7.116	130	64399	48.221	ug/l	99
45) 1,2-Dichloropropane	7.421	63	70234	48.028	ug/l	99
46) Dibromomethane	7.574	93	50957	49.300	ug/l	98
47) Bromodichloromethane	7.818	83	99834	49.243	ug/l	99
48) Methyl methacrylate	7.689	41	86144	50.032	ug/l	100
49) 1,4-Dioxane	7.659	88	33152	912.798	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	554547	240.651	ug/l	100
52) Toluene	8.714	92	170814	51.187	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	94873	55.975	ug/l	95
54) cis-1,3-Dichloropropene	8.360	75	108220	54.755	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	64904	47.245	ug/l	98
56) Ethyl methacrylate	9.116	69	107621	51.537	ug/l	100
57) 1,3-Dichloropropane	9.305	76	115487	48.576	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	273540	268.530	ug/l	99
59) 2-Hexanone	9.427	43	403729	241.811	ug/l	99
60) Dibromochloromethane	9.518	129	72136	50.220	ug/l	99
61) 1,2-Dibromoethane	9.604	107	67190	48.992	ug/l	98
64) Tetrachloroethene	9.268	164	54912	49.741	ug/l	94
65) Chlorobenzene	10.073	112	179056	49.093	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	59227	48.762	ug/l	98
67) Ethyl Benzene	10.189	91	323851	50.959	ug/l	98
68) m/p-Xylenes	10.299	106	239135	102.789	ug/l	99
69) o-Xylene	10.640	106	118067	50.318	ug/l	98
70) Styrene	10.652	104	197009	51.891	ug/l	99
71) Bromoform	10.799	173	46267	50.513	ug/l #	97
73) Isopropylbenzene	10.957	105	303194	50.901	ug/l	100
74) N-amyl acetate	10.841	43	145178	51.942	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	101813	46.579	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	83360m	46.931	ug/l	
77) Bromobenzene	11.195	156	69846	49.698	ug/l	98
78) n-propylbenzene	11.299	91	354229	52.644	ug/l	100
79) 2-Chlorotoluene	11.360	91	209700	48.935	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	247465	51.381	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	28438	54.791	ug/l	98
82) 4-Chlorotoluene	11.451	91	235030	50.324	ug/l	99
83) tert-Butylbenzene	11.713	119	249434	50.405	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	249084	51.398	ug/l	99
85) sec-Butylbenzene	11.890	105	314975	53.135	ug/l	99
86) p-Isopropyltoluene	12.006	119	256666	53.578	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	126673	50.525	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	126155	49.736	ug/l	99
89) n-Butylbenzene	12.329	91	234896	56.931	ug/l	100
90) Hexachloroethane	12.536	117	44665	51.547	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	126089	50.134	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20546	48.248	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	78708	54.961	ug/l	100
94) Hexachlorobutadiene	13.725	225	30769	52.406	ug/l	97
95) Naphthalene	13.774	128	288129	52.367	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	79762	52.796	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045077.D
Acq On : 28 Feb 2025 10:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Feb 28 14:27:49 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 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

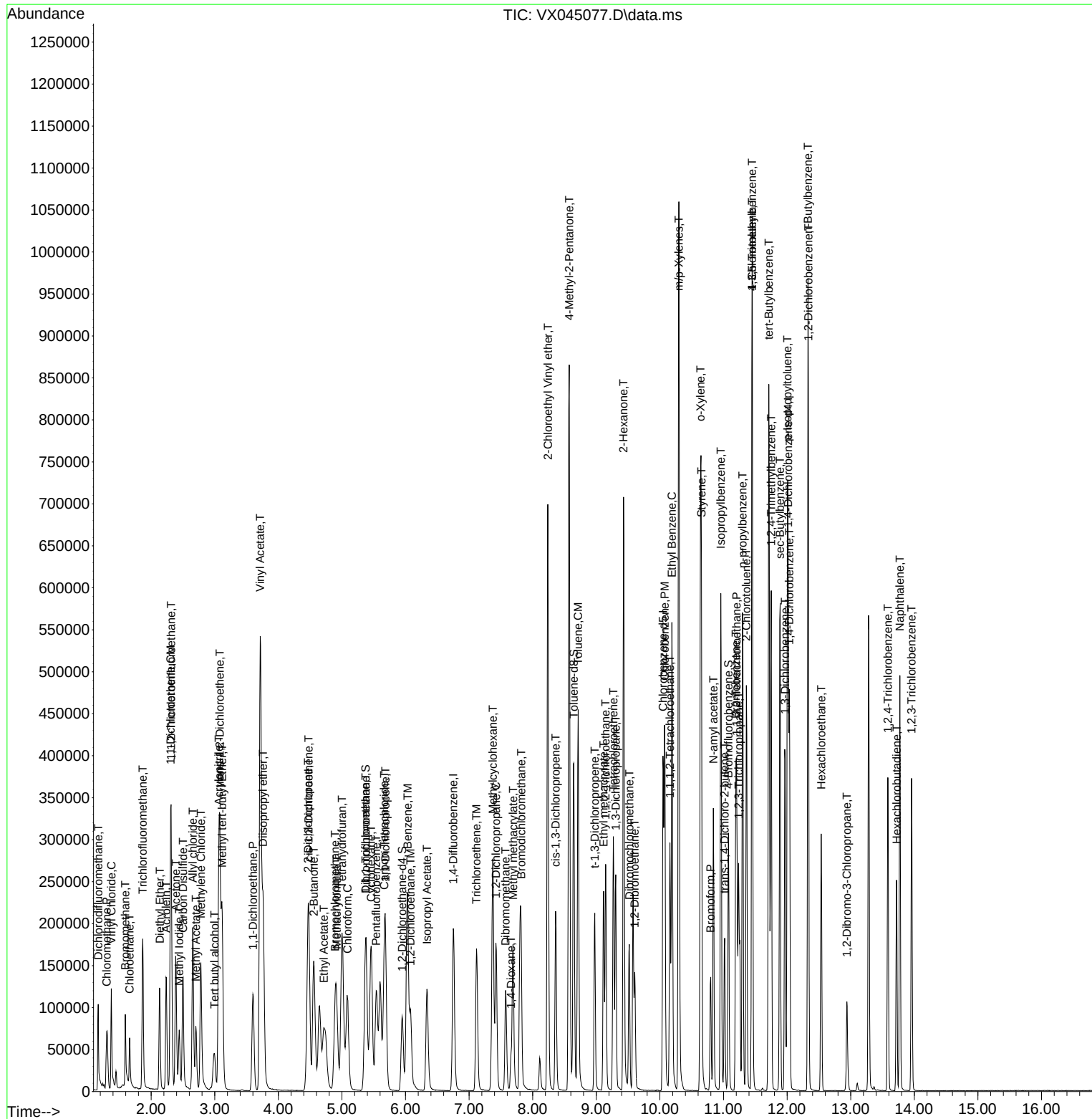
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045077.D
Acq On : 28 Feb 2025 10:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

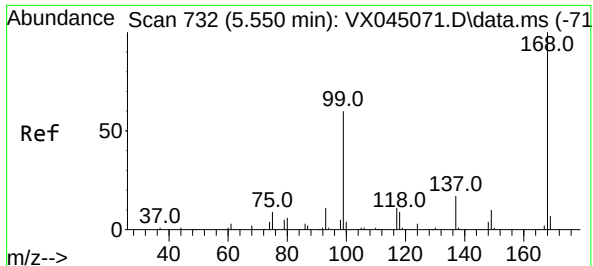
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Feb 28 14:27:49 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 03/03/2025
Supervised By : Mahesh Dadoda 03/03/2025





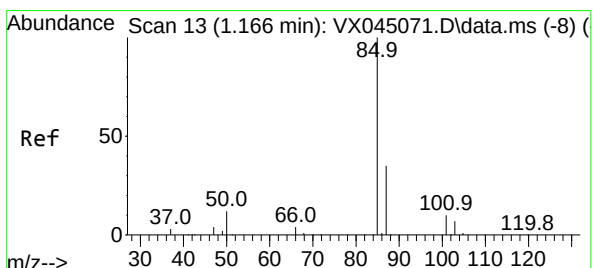
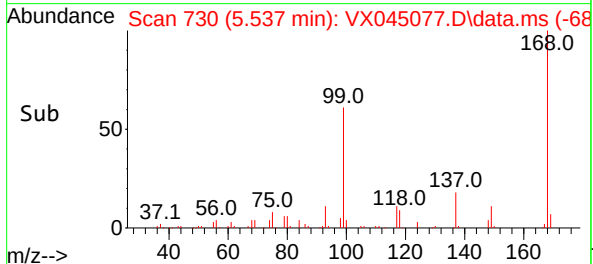
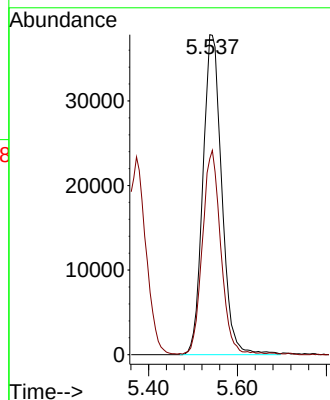
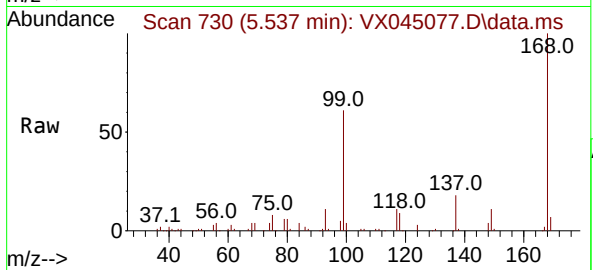
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.013 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 111989
Ion Ratio Lower Upper
168 100
99 60.9 48.2 72.4

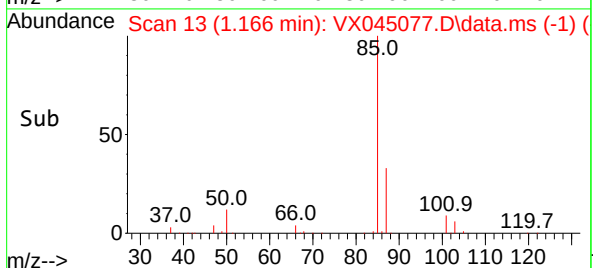
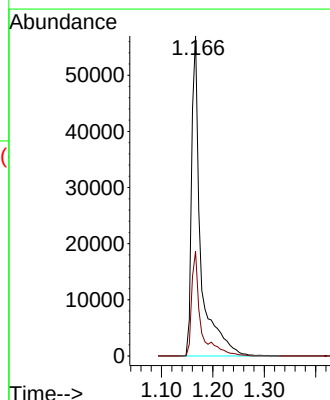
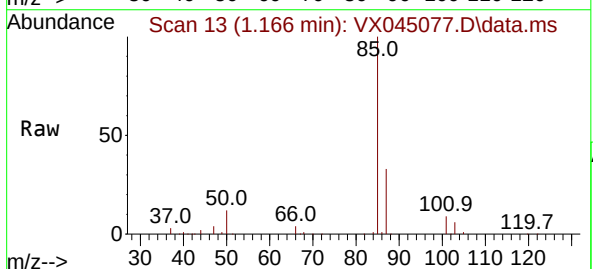
Manual Integrations
APPROVED

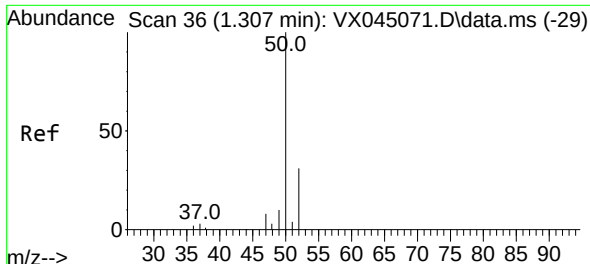
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#2
Dichlorodifluoromethane
Concen: 50.185 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 85 Resp: 70744
Ion Ratio Lower Upper
85 100
87 32.7 17.4 52.3





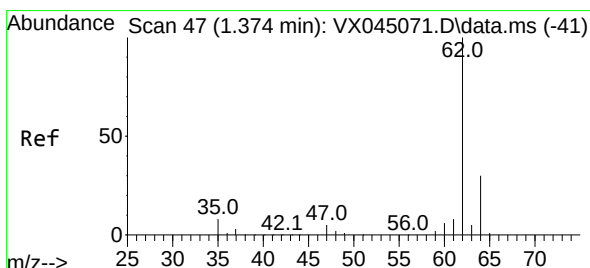
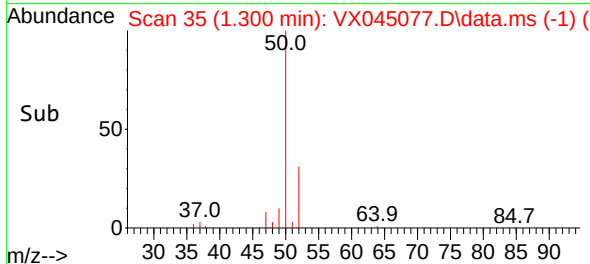
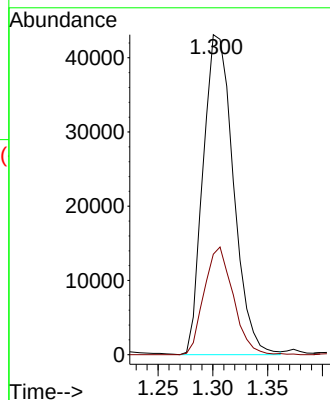
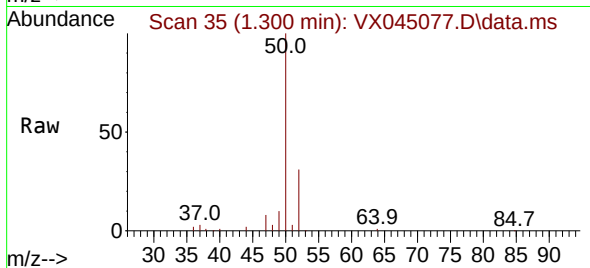
#3
Chloromethane
Concen: 48.123 ug/l
RT: 1.300 min Scan# 30
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 83018
Ion Ratio Lower Upper
50 100
52 31.4 25.0 37.4

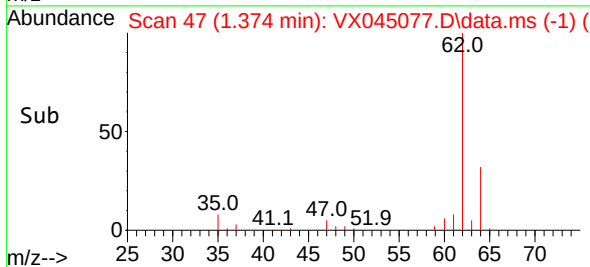
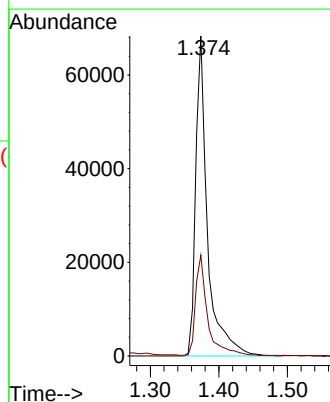
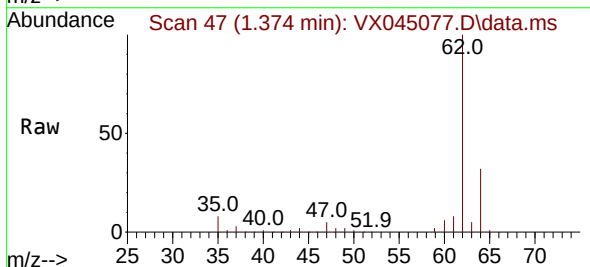
Manual Integrations
APPROVED

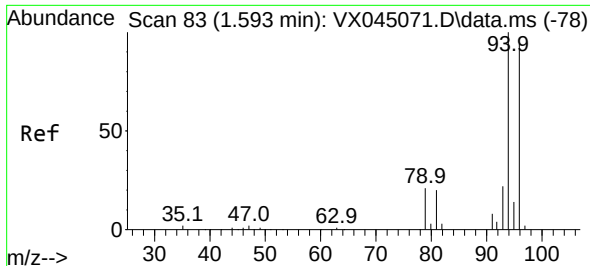
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#4
Vinyl Chloride
Concen: 47.712 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

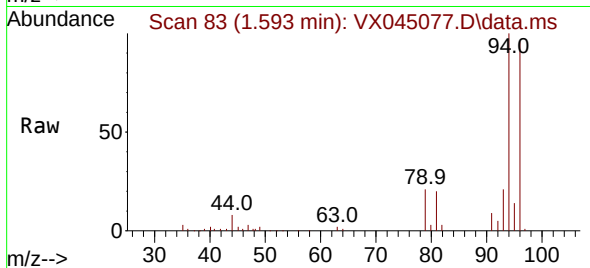
Tgt Ion: 62 Resp: 81653
Ion Ratio Lower Upper
62 100
64 31.4 24.3 36.5





#5
Bromomethane
Concen: 46.959 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

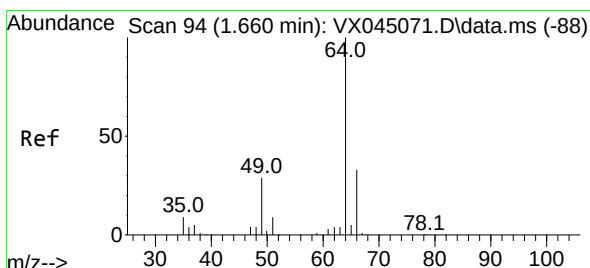
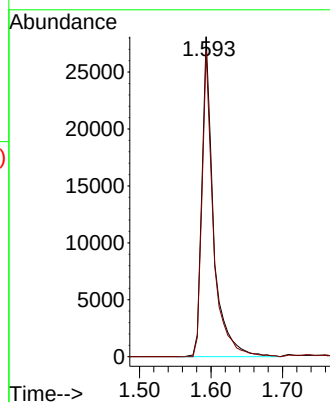
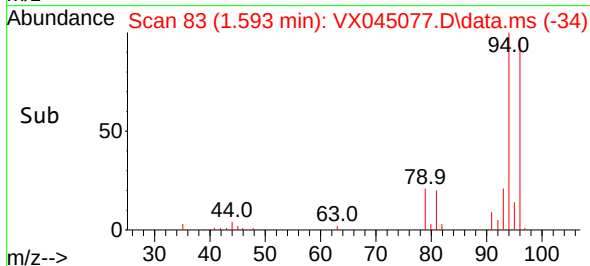
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 94 Resp: 31592
Ion Ratio Lower Upper
94 100
96 95.5 75.0 112.4

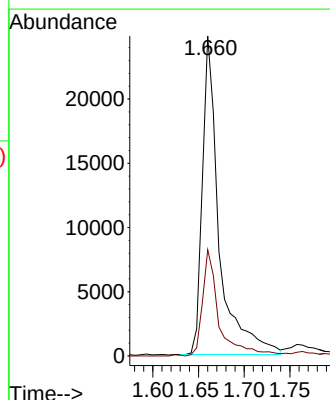
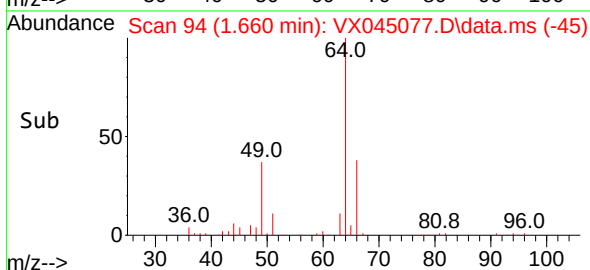
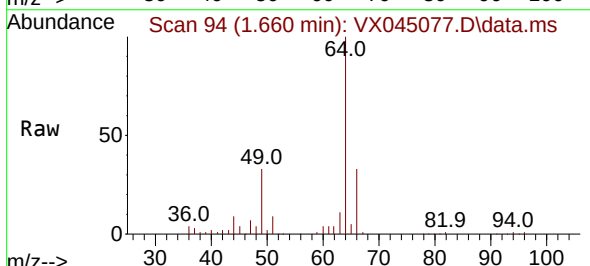
Manual Integrations
APPROVED

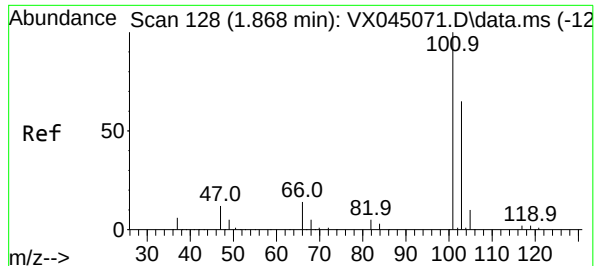
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#6
Chloroethane
Concen: 40.092 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 64 Resp: 31648
Ion Ratio Lower Upper
64 100
66 33.1 26.7 40.1





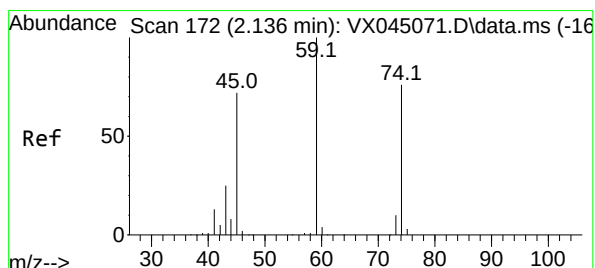
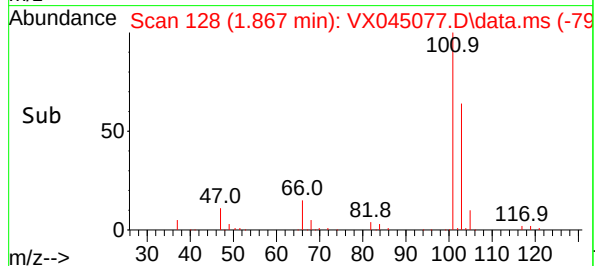
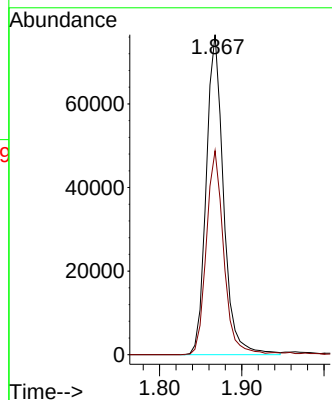
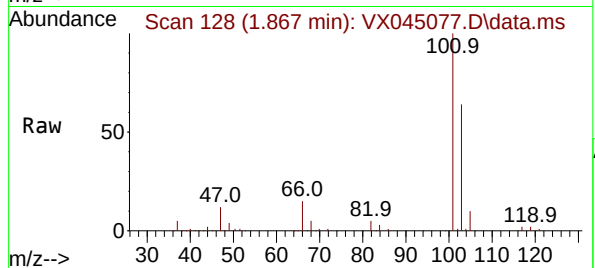
#7
Trichlorofluoromethane
Concen: 49.383 ug/l
RT: 1.867 min Scan# 1188
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 111880
Ion Ratio Lower Upper
101 100
103 63.8 52.1 78.1

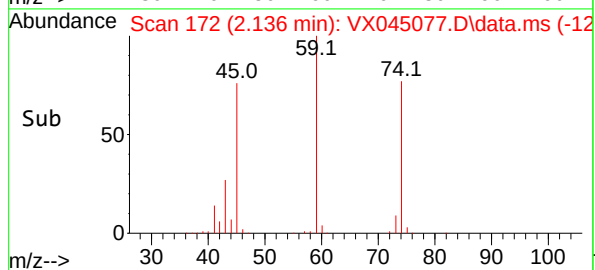
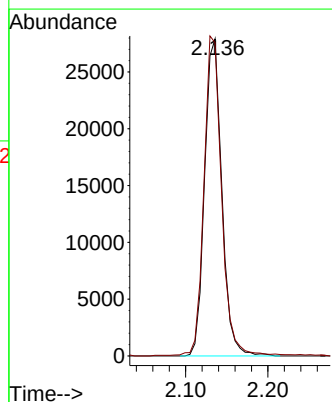
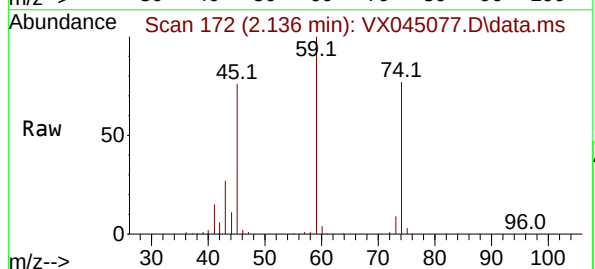
Manual Integrations
APPROVED

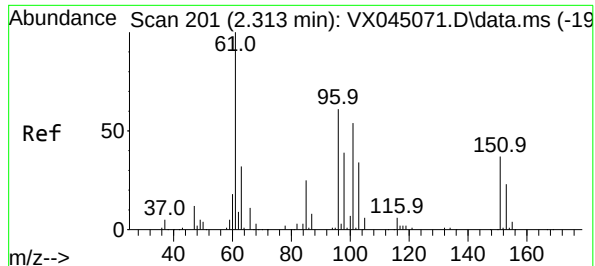
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#8
Diethyl Ether
Concen: 45.828 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 74 Resp: 40610
Ion Ratio Lower Upper
74 100
45 103.8 51.5 154.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.199 ug/l

RT: 2.312 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

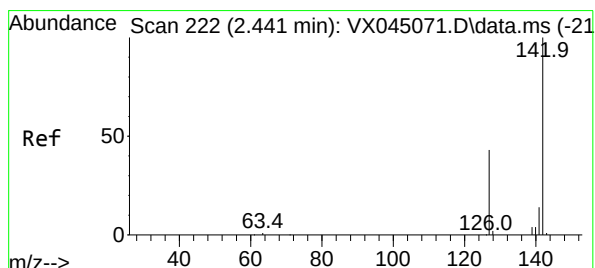
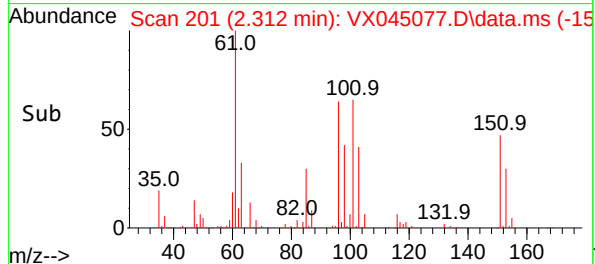
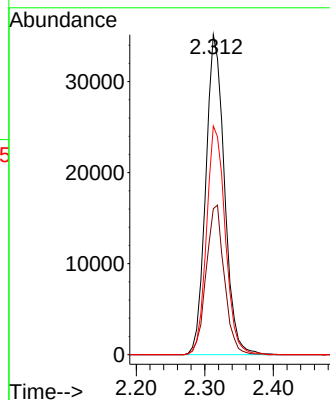
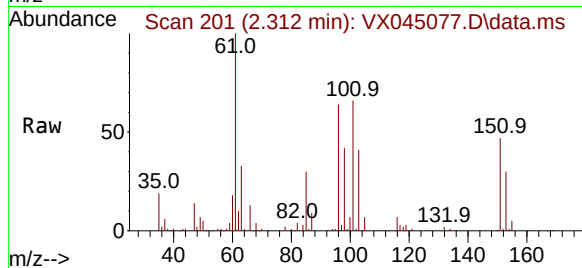
Tgt Ion:	101	Resp:	66640
Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.2	54.4
151	71.6	56.4	84.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#10

Methyl Iodide

Concen: 46.970 ug/l

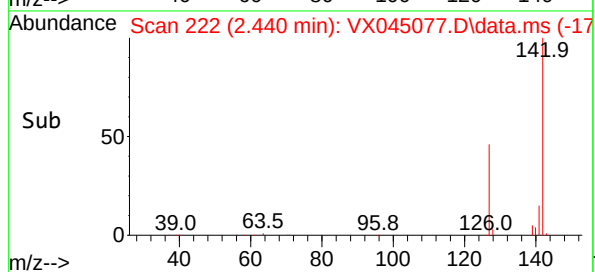
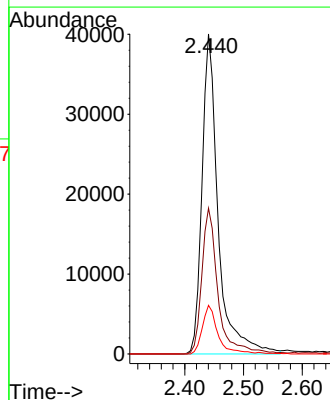
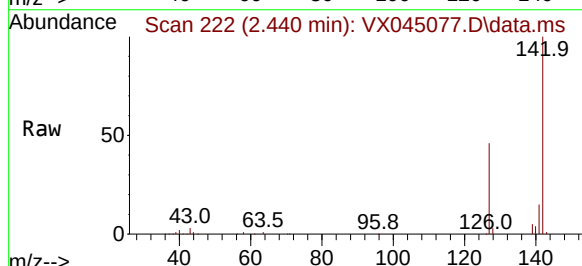
RT: 2.440 min Scan# 222

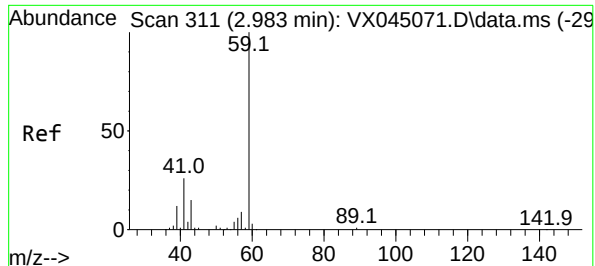
Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Tgt Ion:	142	Resp:	76401
Ion	Ratio	Lower	Upper
142	100		
127	45.8	35.4	53.2
141	14.6	11.6	17.4





#11

Tert butyl alcohol

Concen: 211.016 ug/l m

RT: 2.995 min Scan# 311

Delta R.T. 0.012 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 71200

Ion Ratio Lower Upper

59 100

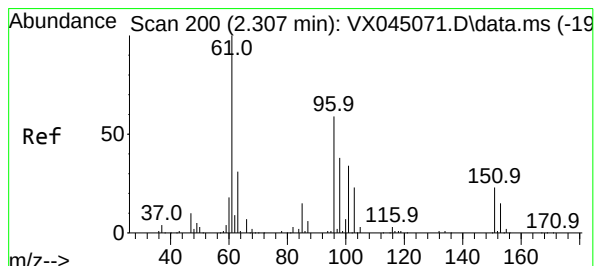
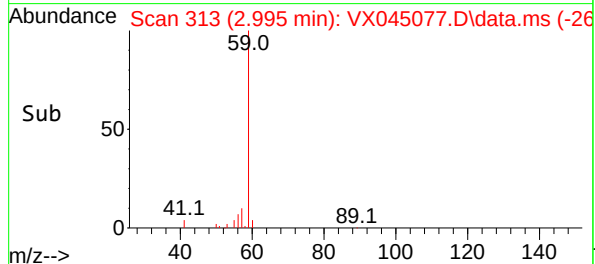
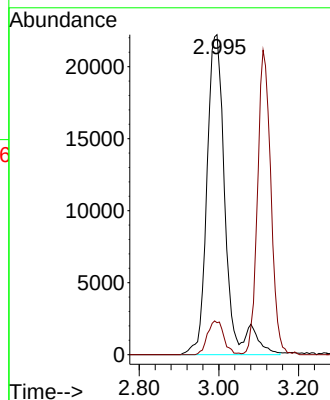
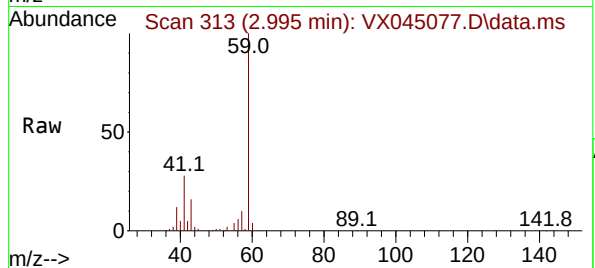
57 9.4 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#12

1,1-Dichloroethene

Concen: 47.513 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

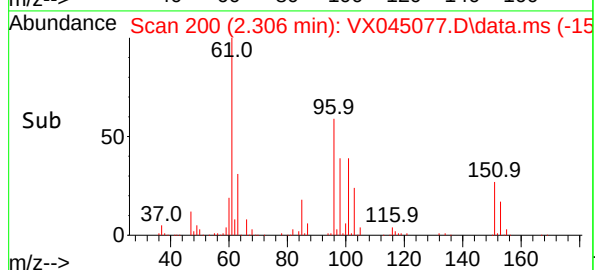
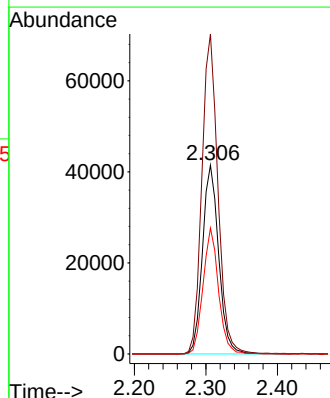
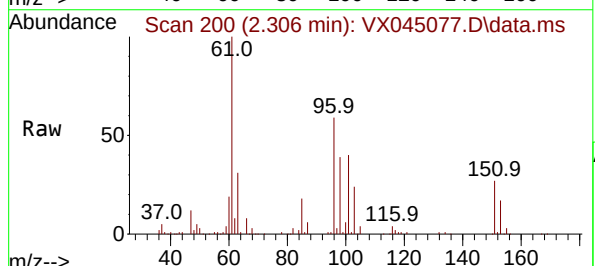
Tgt Ion: 96 Resp: 65383

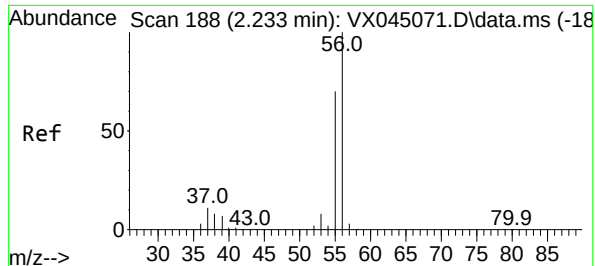
Ion Ratio Lower Upper

96 100

61 169.5 134.6 202.0

98 66.7 51.0 76.6





#13

Acrolein

Concen: 260.033 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 101424

Ion Ratio Lower Upper

56 100

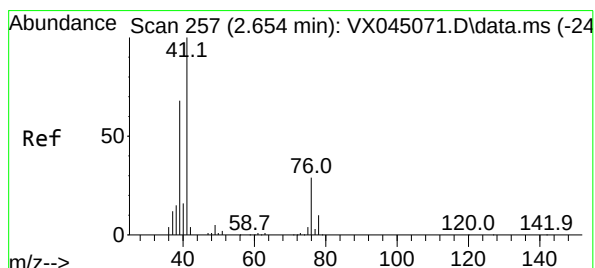
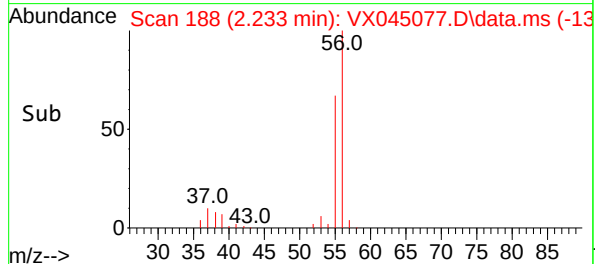
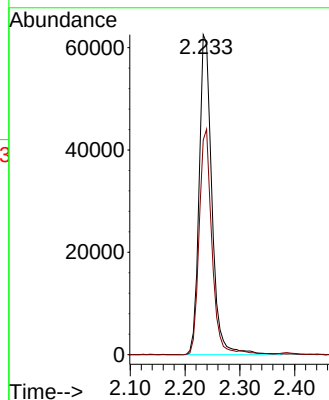
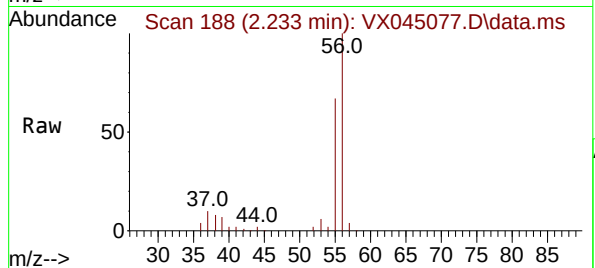
55 69.3 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#14

Allyl chloride

Concen: 49.523 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

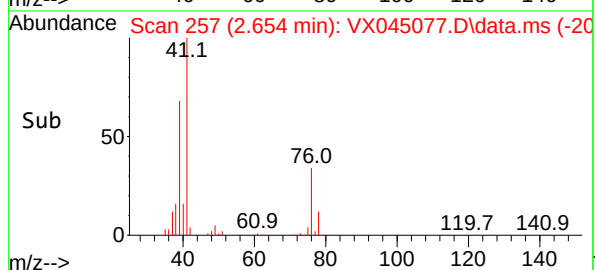
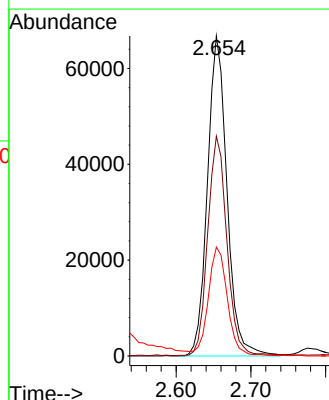
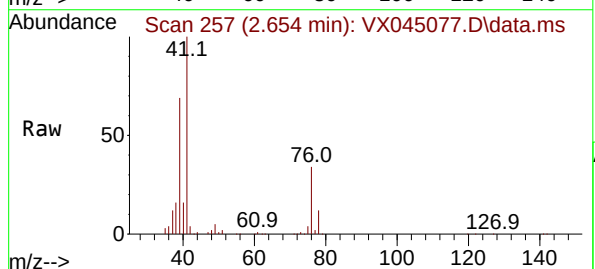
Tgt Ion: 41 Resp: 121309

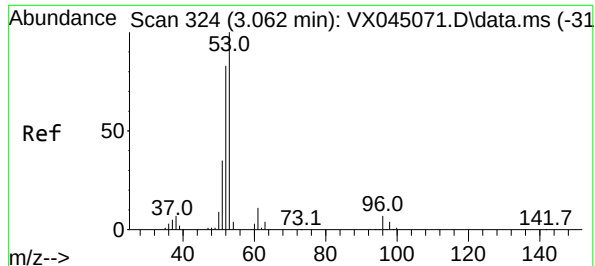
Ion Ratio Lower Upper

41 100

39 67.2 53.8 80.8

76 33.1 25.2 37.8





#15

Acrylonitrile

Concen: 224.925 ug/l

RT: 3.062 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 20340

Ion Ratio Lower Upper

53 100

52 84.2 66.2 99.2

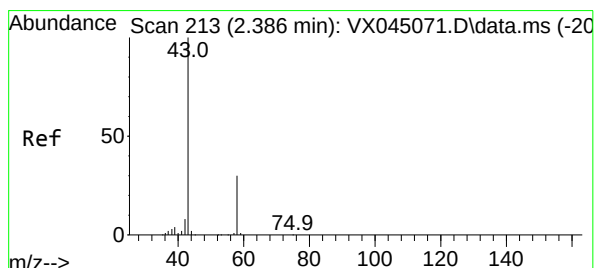
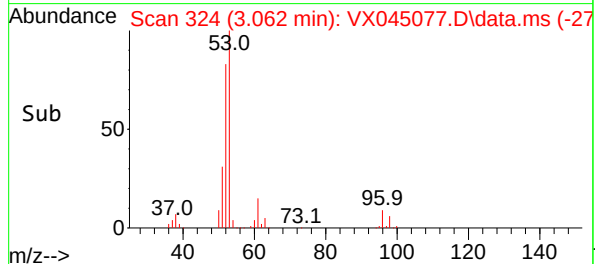
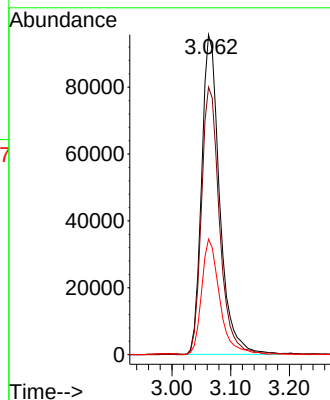
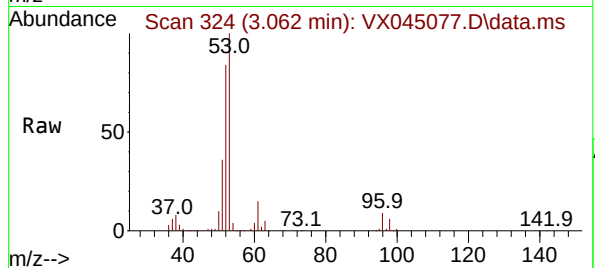
51 36.1 29.0 43.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#16

Acetone

Concen: 211.319 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX045077.D

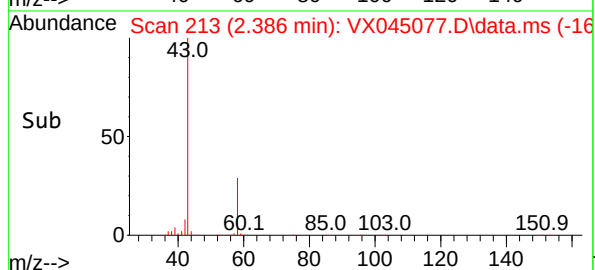
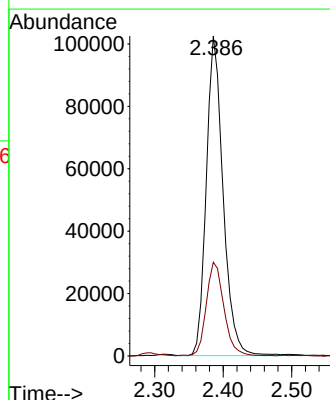
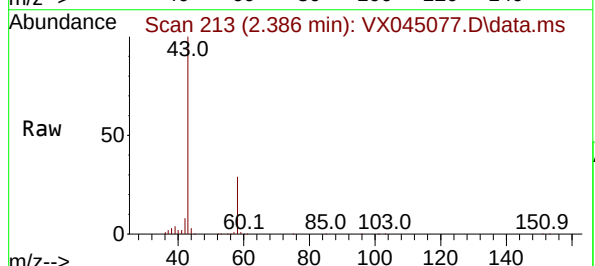
Acq: 28 Feb 2025 10:32

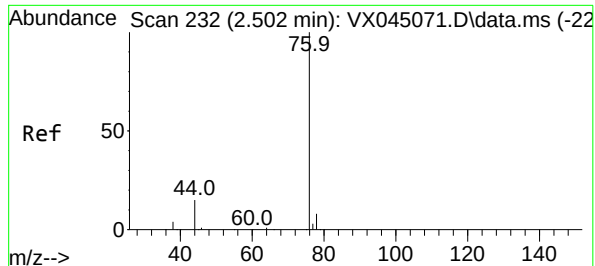
Tgt Ion: 43 Resp: 174653

Ion Ratio Lower Upper

43 100

58 29.2 24.2 36.4





#17

Carbon Disulfide

Concen: 48.016 ug/l

RT: 2.501 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 175990

Ion Ratio Lower Upper

76 100

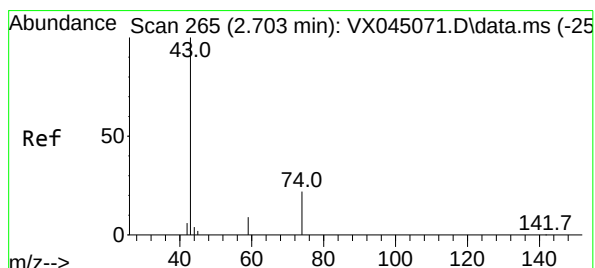
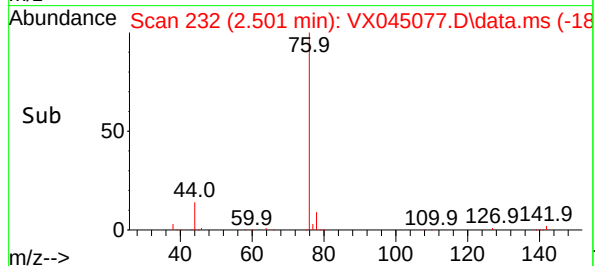
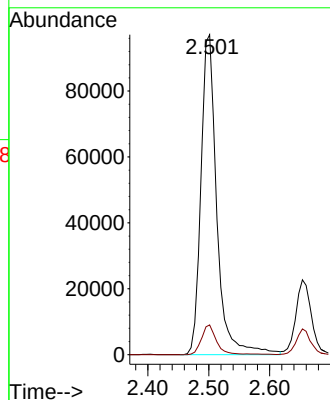
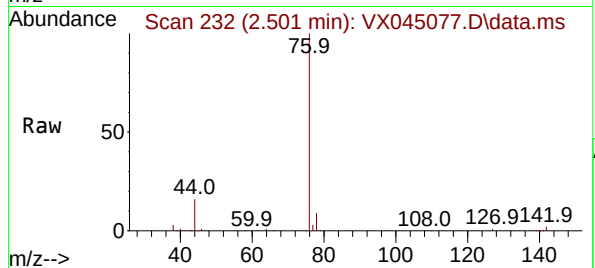
78 9.3 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#18

Methyl Acetate

Concen: 44.725 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX045077.D

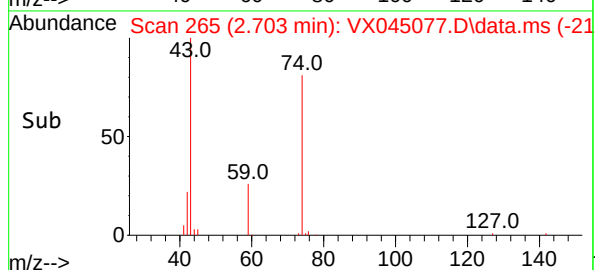
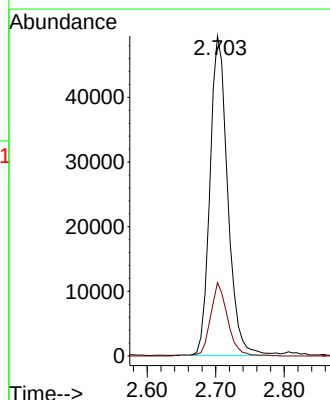
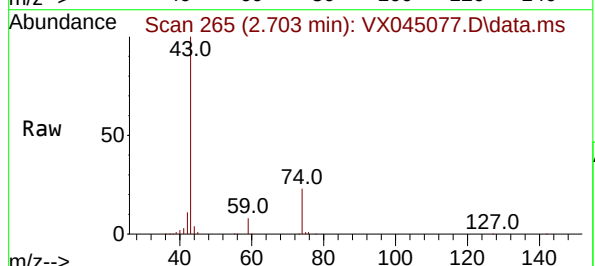
Acq: 28 Feb 2025 10:32

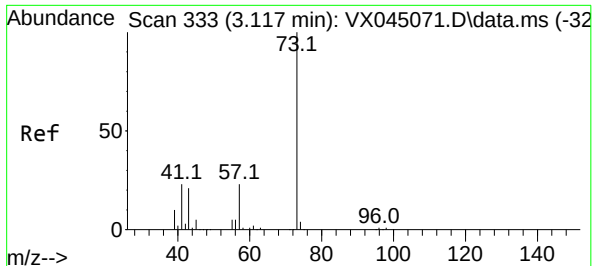
Tgt Ion: 43 Resp: 88925

Ion Ratio Lower Upper

43 100

74 22.3 17.4 26.2





#19

Methyl tert-butyl Ether

Concen: 46.929 ug/l

RT: 3.117 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 21666

Ion Ratio Lower Upper

73 100

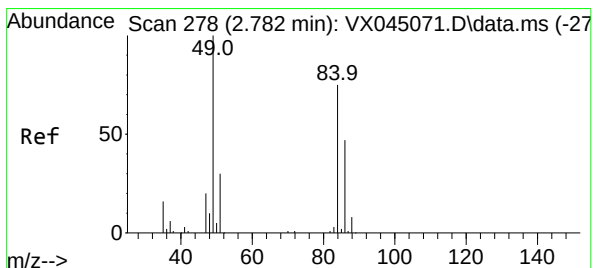
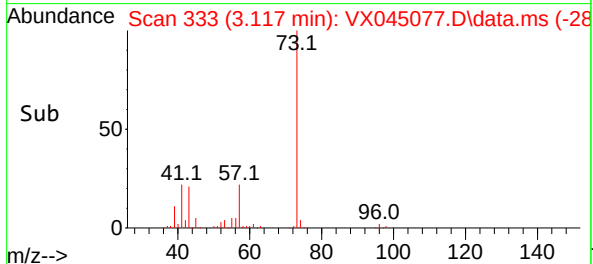
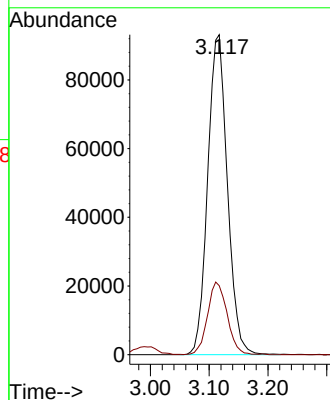
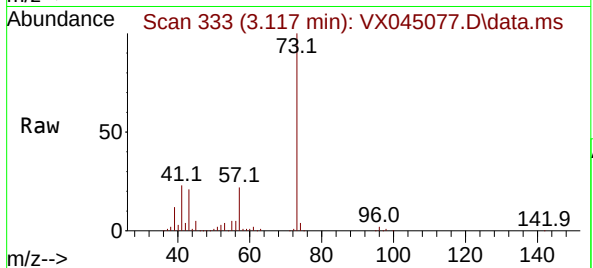
57 21.5 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#20

Methylene Chloride

Concen: 45.613 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Tgt Ion: 84 Resp: 74677

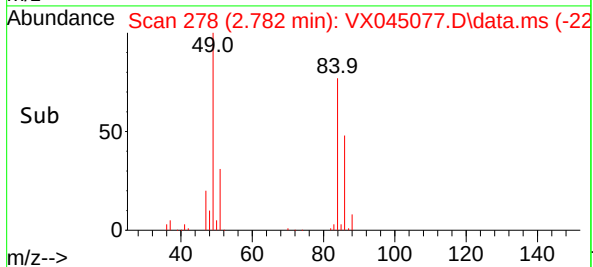
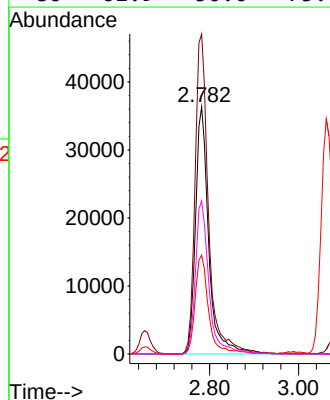
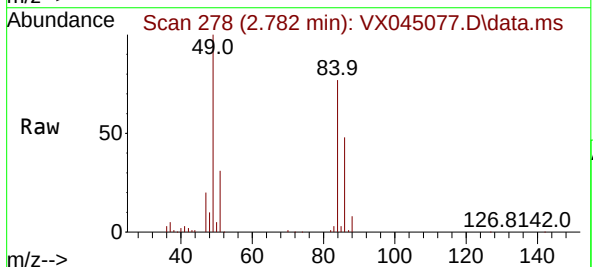
Ion Ratio Lower Upper

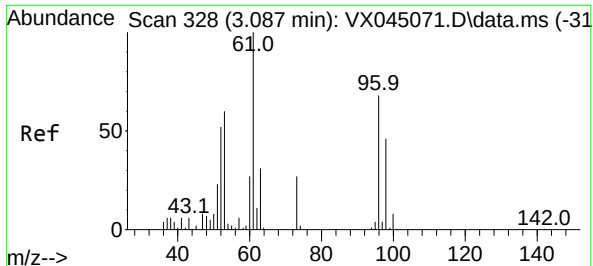
84 100

49 129.4 106.5 159.7

51 40.0 32.1 48.1

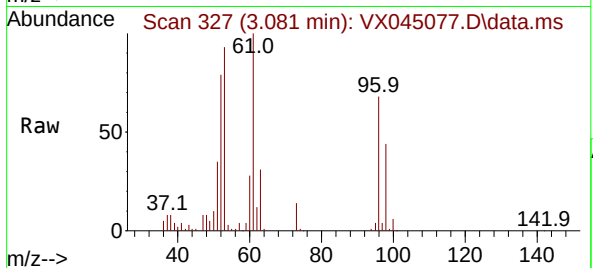
86 61.9 50.0 75.0





#21
trans-1,2-Dichloroethene
Concen: 48.249 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

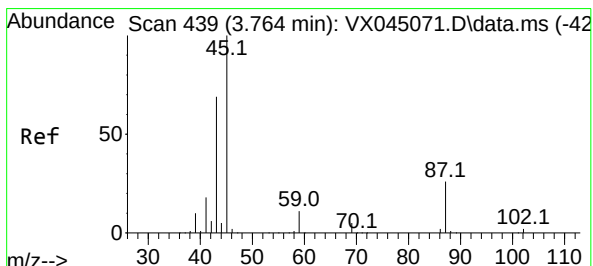
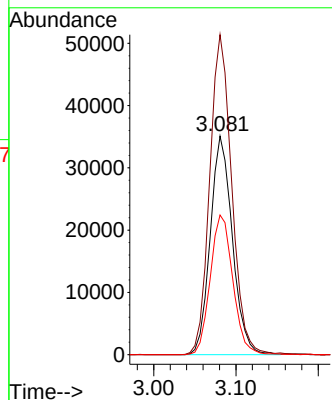
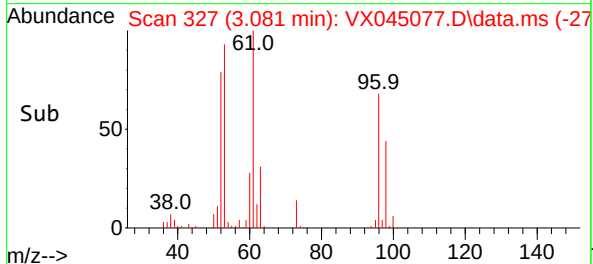
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion: 96 Resp: 6559
Ion Ratio Lower Upper
96 100
61 146.4 117.0 175.4
98 64.0 53.4 80.2

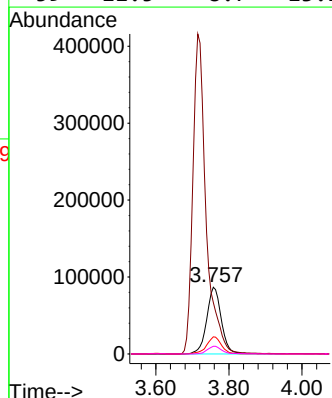
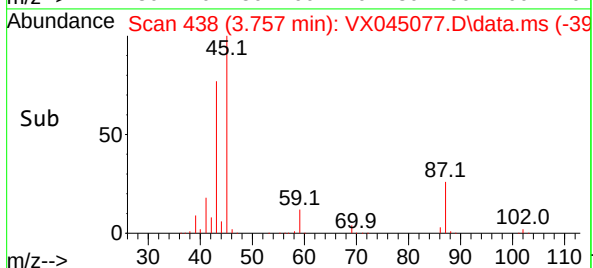
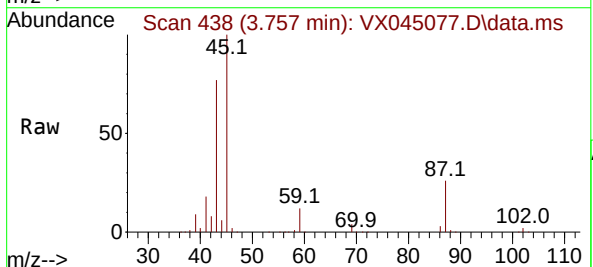
Manual Integrations
APPROVED

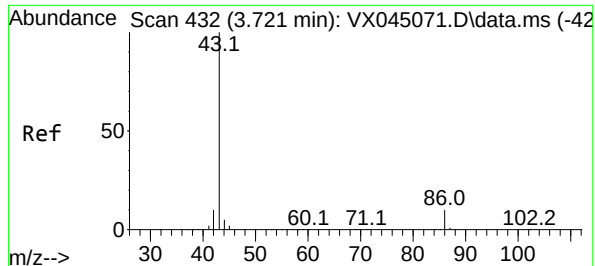
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#22
Diisopropyl ether
Concen: 48.301 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 45 Resp: 240622
Ion Ratio Lower Upper
45 100
43 76.9 54.9 82.3
87 25.7 21.0 31.4
59 11.5 8.7 13.1





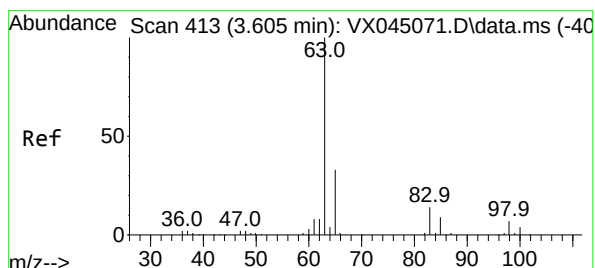
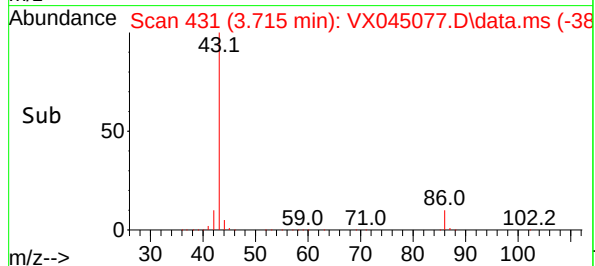
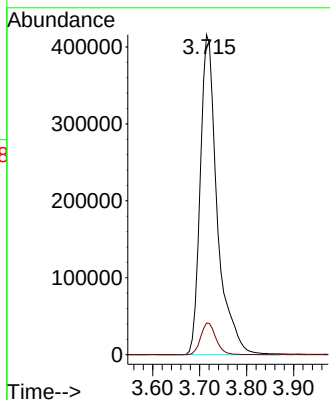
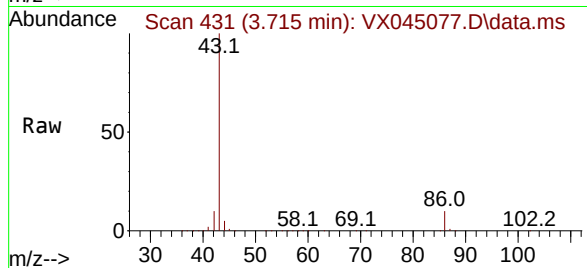
#23
Vinyl Acetate
Concen: 251.185 ug/l
RT: 3.715 min Scan# 411
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 104425
Ion Ratio Lower Upper
43 100
86 9.9 8.1 12.1

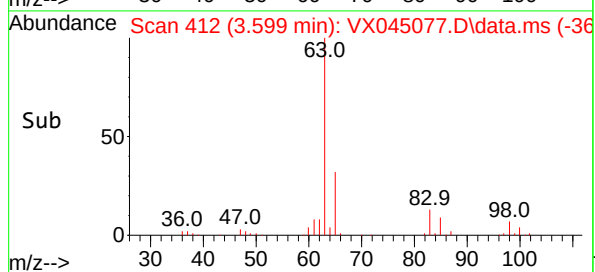
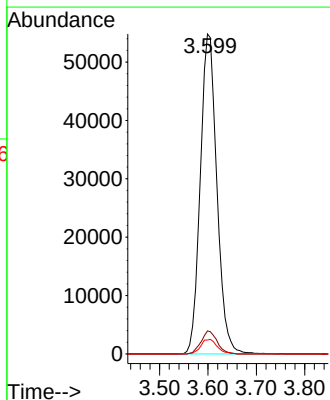
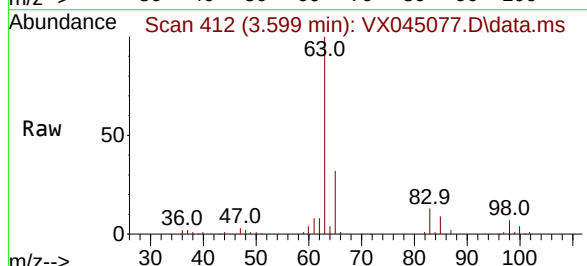
Manual Integrations
APPROVED

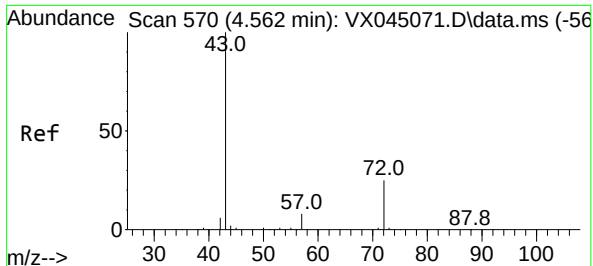
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#24
1,1-Dichloroethane
Concen: 46.825 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 63 Resp: 130733
Ion Ratio Lower Upper
63 100
98 7.2 3.4 10.2
100 4.4 2.1 6.5





#25

2-Butanone

Concen: 230.258 ug/l

RT: 4.556 min Scan# 50

Delta R.T. -0.006 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 286458

Ion Ratio Lower Upper

43 100

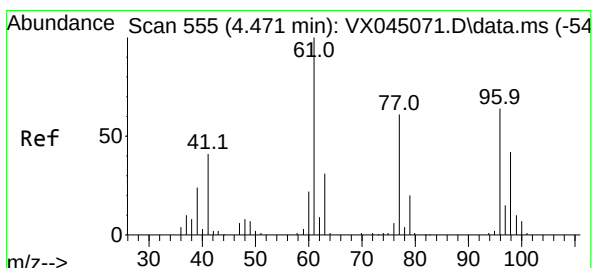
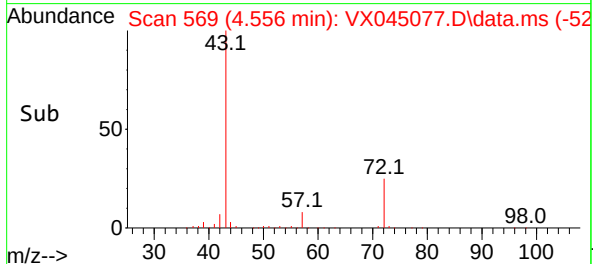
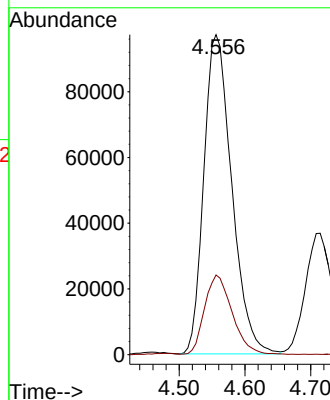
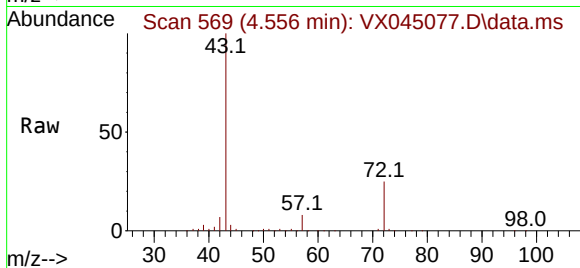
72 24.8 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#26

2,2-Dichloropropane

Concen: 72.639 ug/l

RT: 4.464 min Scan# 554

Delta R.T. -0.006 min

Lab File: VX045077.D

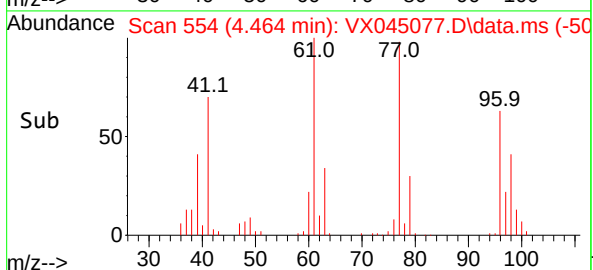
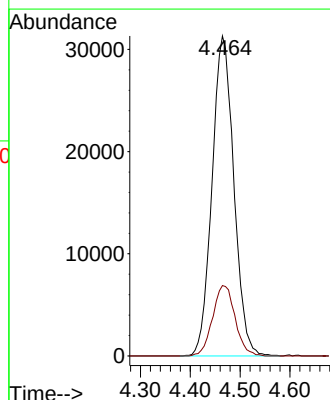
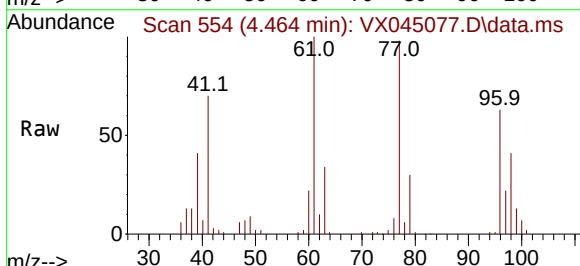
Acq: 28 Feb 2025 10:32

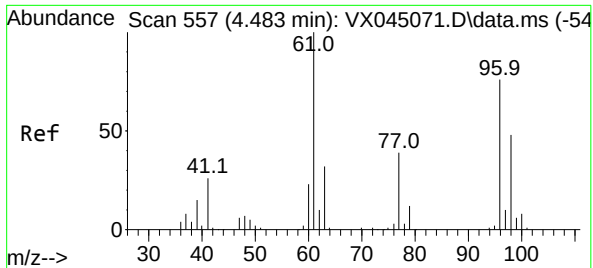
Tgt Ion: 77 Resp: 95125

Ion Ratio Lower Upper

77 100

97 22.7 12.4 37.0





#27

cis-1,2-Dichloroethene

Concen: 47.500 ug/l

RT: 4.477 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDC050

Tgt Ion: 96 Resp: 79710

Ion Ratio Lower Upper

96 100

61 146.9 0.0 283.2

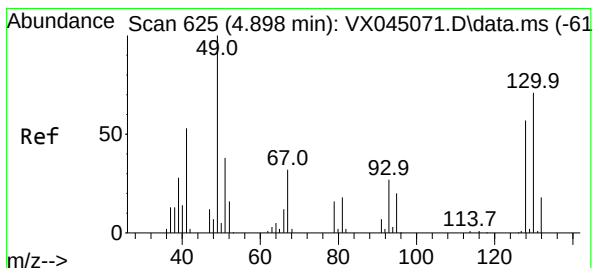
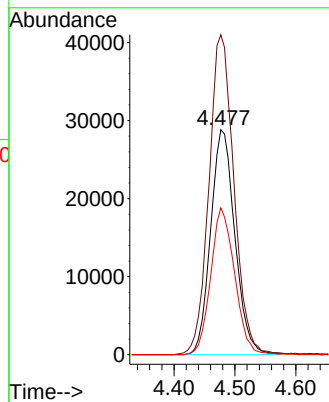
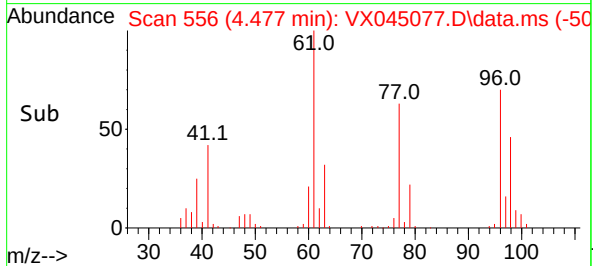
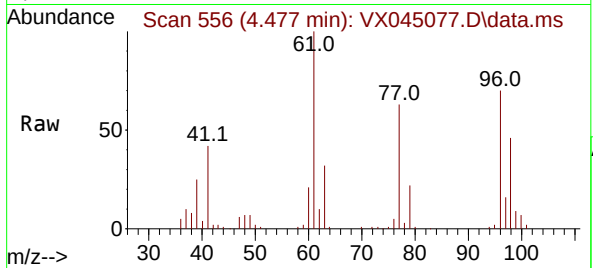
98 64.4 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#28

Bromochloromethane

Concen: 46.457 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.006 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

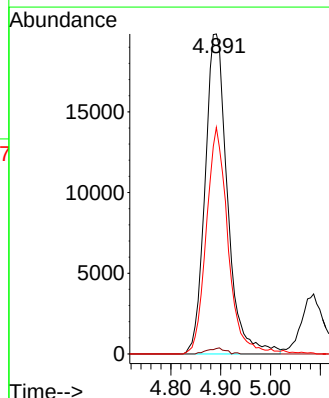
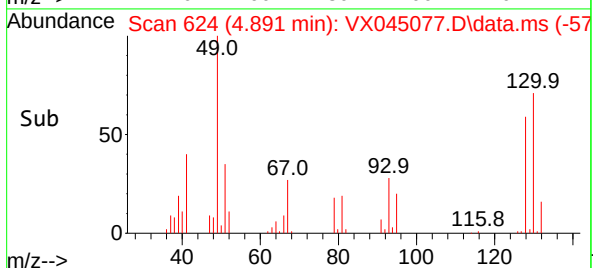
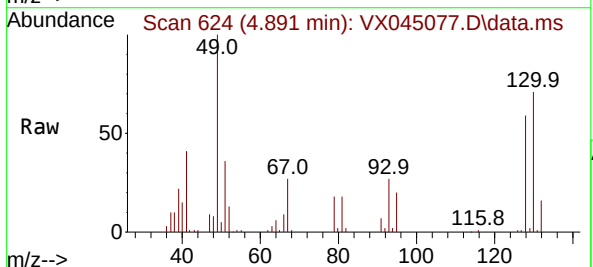
Tgt Ion: 49 Resp: 61824

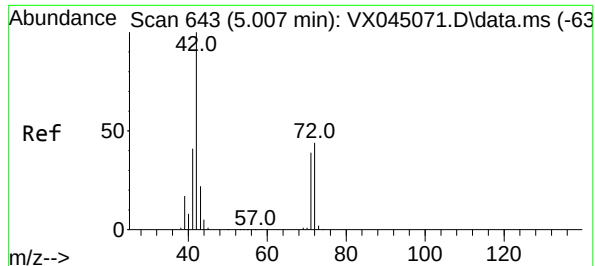
Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.4

130 68.6 56.1 84.1





#29

Tetrahydrofuran

Concen: 224.369 ug/l

RT: 5.001 min Scan# 643

Delta R.T. -0.006 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 18745

Ion Ratio Lower Upper

42 100

72 42.6 34.1 51.1

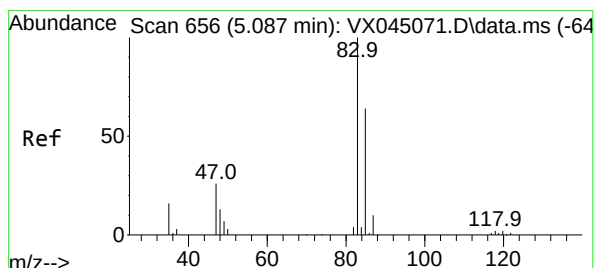
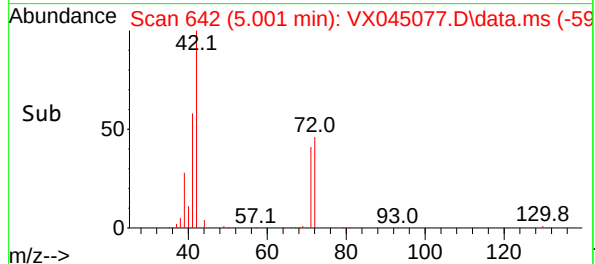
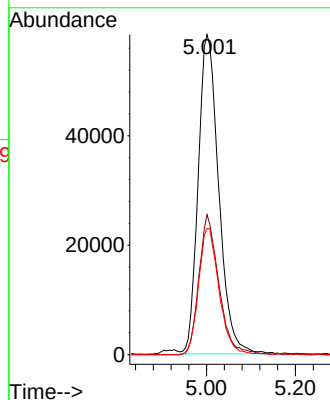
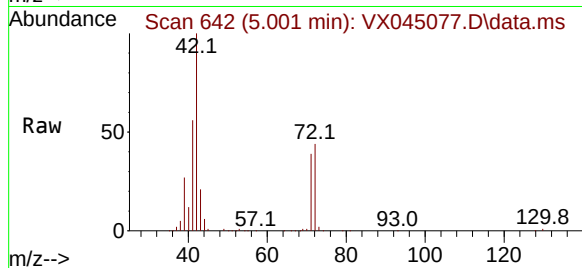
71 39.5 31.4 47.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#30

Chloroform

Concen: 46.017 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.000 min

Lab File: VX045077.D

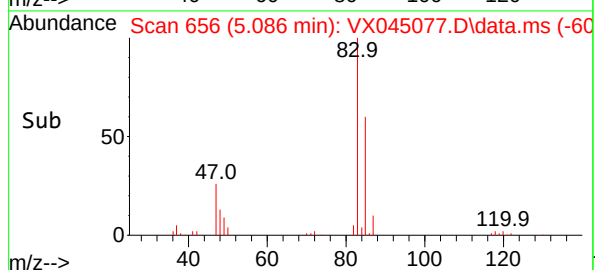
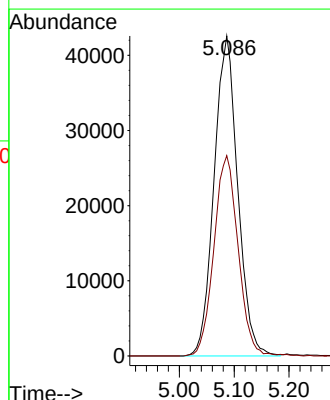
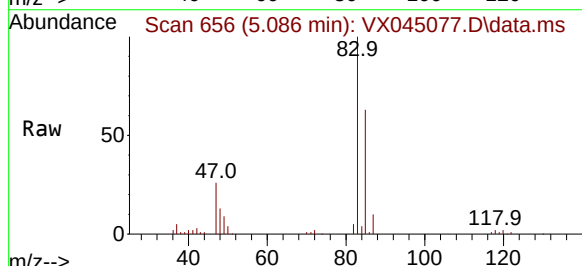
Acq: 28 Feb 2025 10:32

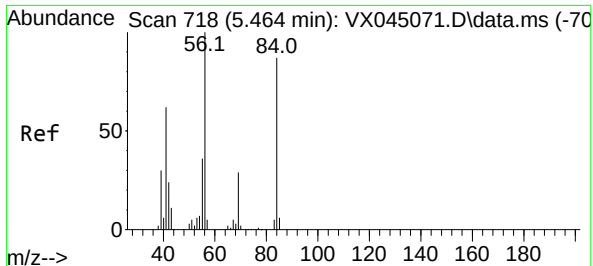
Tgt Ion: 83 Resp: 127656

Ion Ratio Lower Upper

83 100

85 62.6 51.4 77.2





#31

Cyclohexane

Concen: 49.820 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.006 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 12074

Ion Ratio Lower Upper

56 100

69 29.9 23.4 35.2

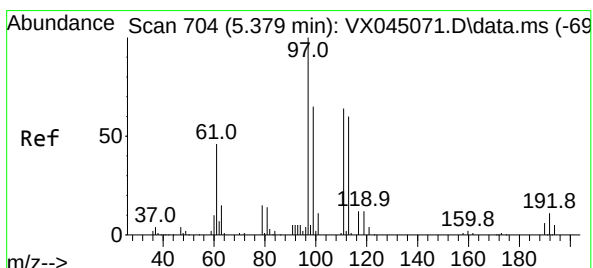
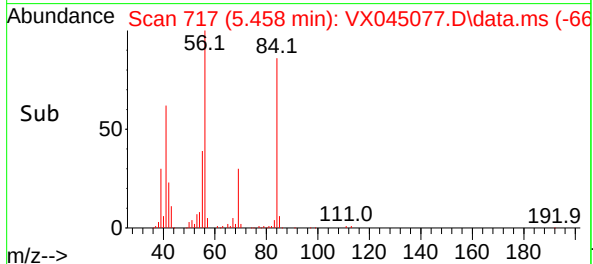
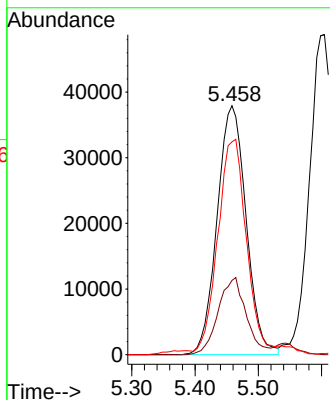
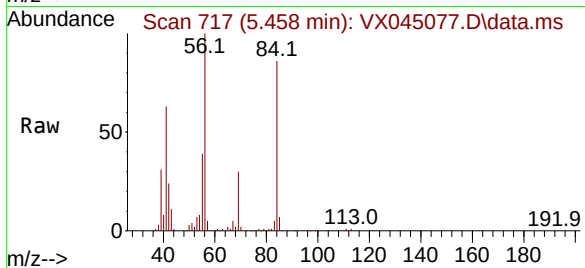
84 84.1 69.4 104.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#32

1,1,1-Trichloroethane

Concen: 47.389 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.006 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

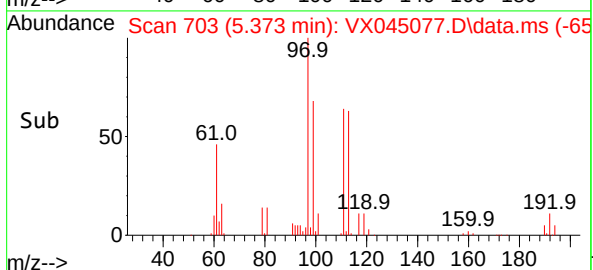
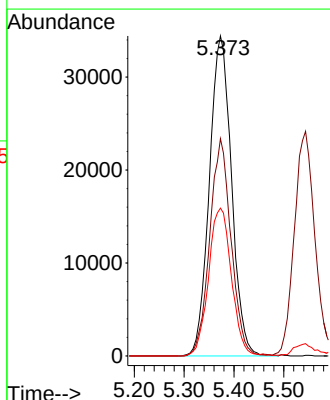
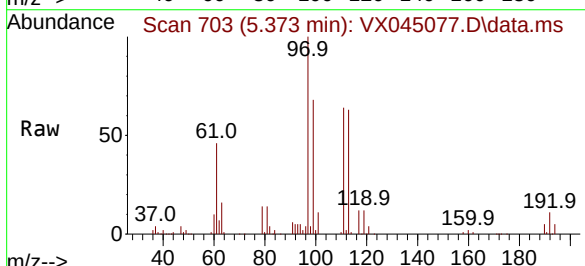
Tgt Ion: 97 Resp: 106176

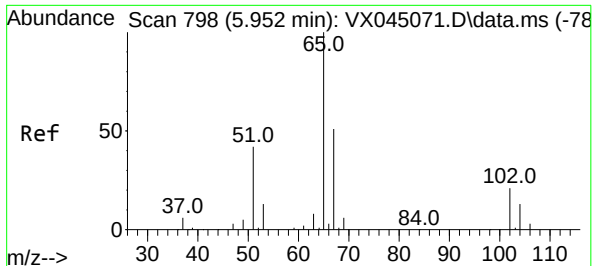
Ion Ratio Lower Upper

97 100

99 65.4 51.6 77.4

61 47.9 38.4 57.6





#33

1,2-Dichloroethane-d4

Concen: 46.113 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 8214

Ion Ratio Lower Upper

65 100

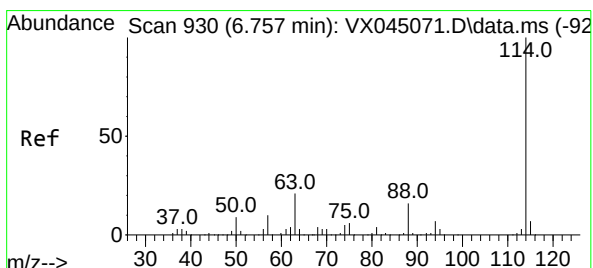
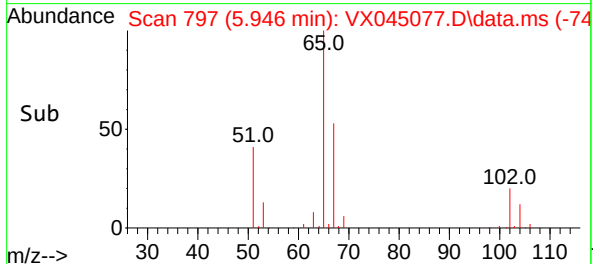
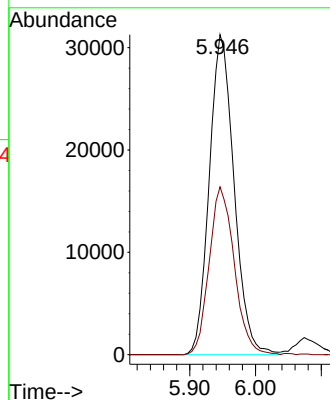
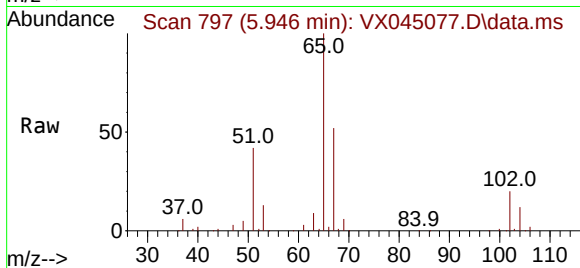
67 53.0 0.0 106.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

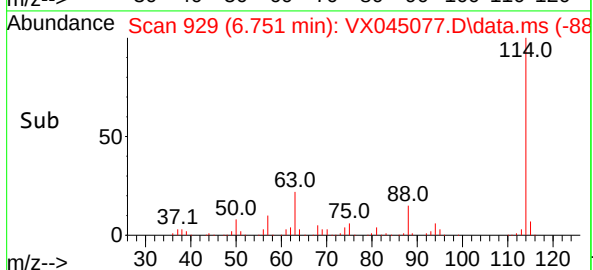
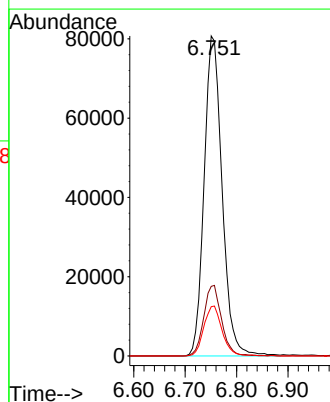
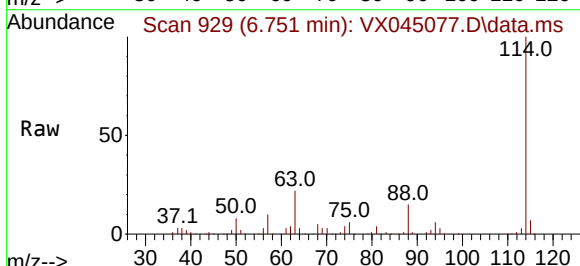
Tgt Ion:114 Resp: 196414

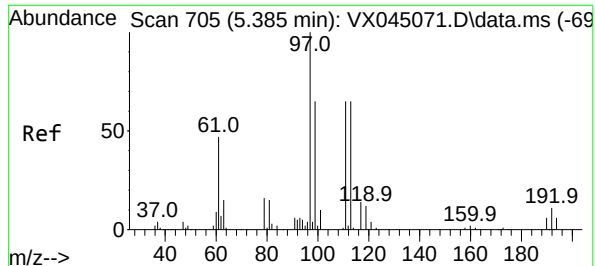
Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.8

88 15.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.532 ug/l

RT: 5.373 min Scan# 705

Delta R.T. -0.012 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

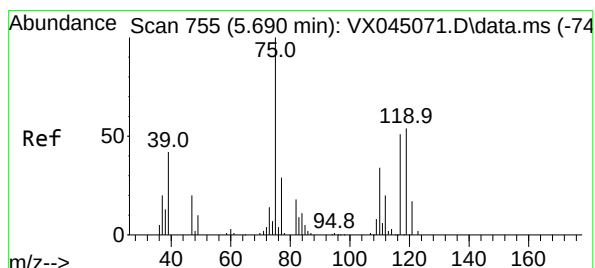
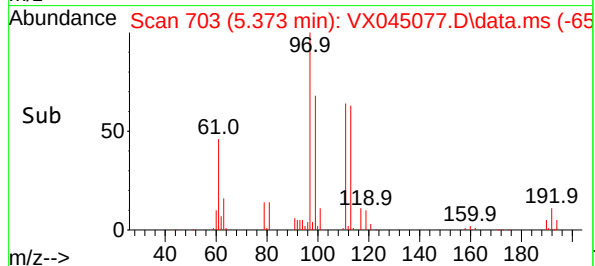
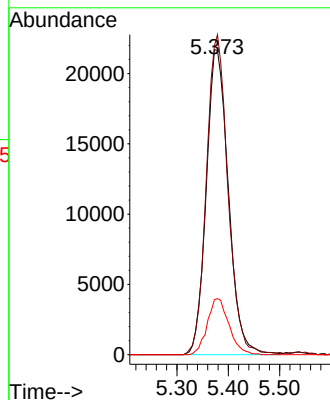
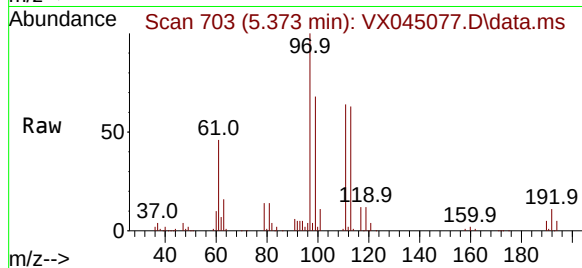
VSTDCCC050

Tgt Ion:	113	Resp:	65054
Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	18.0	14.3	21.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#36

1,1-Dichloropropene

Concen: 49.241 ug/l

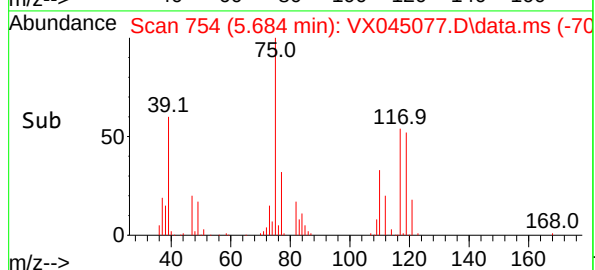
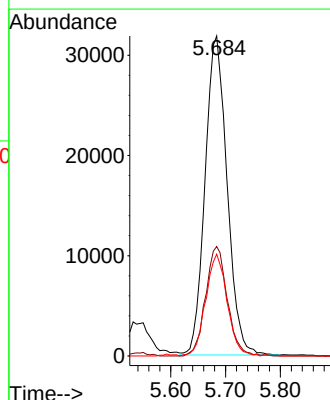
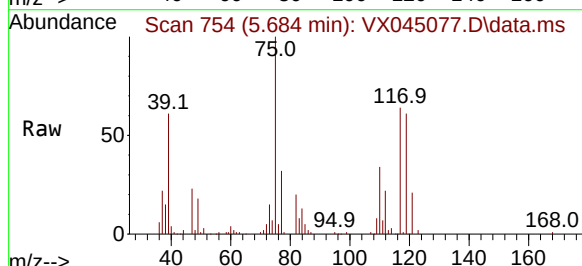
RT: 5.684 min Scan# 754

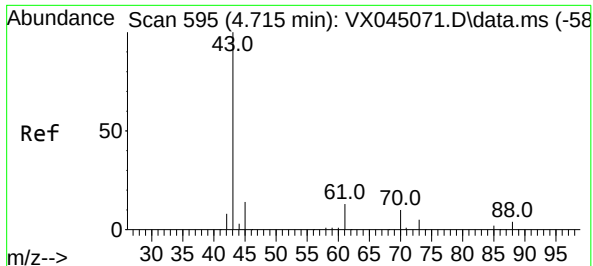
Delta R.T. -0.006 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Tgt Ion:	75	Resp:	88691
Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.6
77	31.1	24.5	36.7





#37

Ethyl Acetate

Concen: 47.651 ug/l

RT: 4.714 min Scan# 595

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

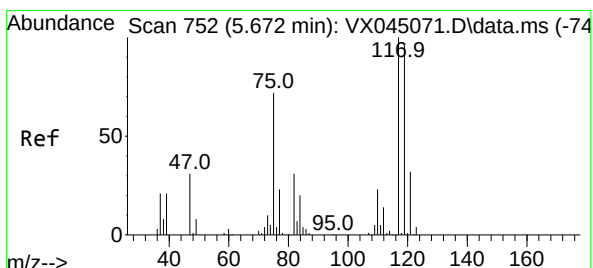
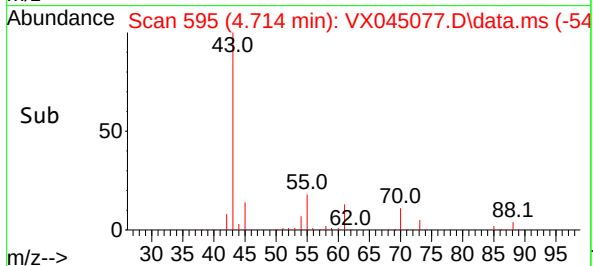
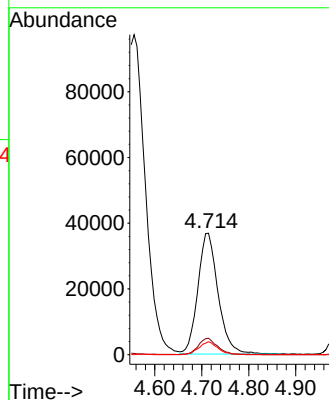
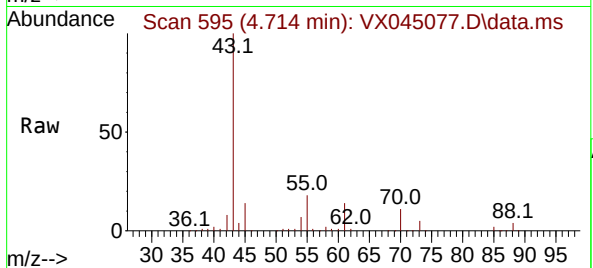
VSTDCCC050

Tgt Ion:	43	Resp:	110594
Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.8	16.2
70	9.9	7.7	11.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#38

Carbon Tetrachloride

Concen: 49.318 ug/l

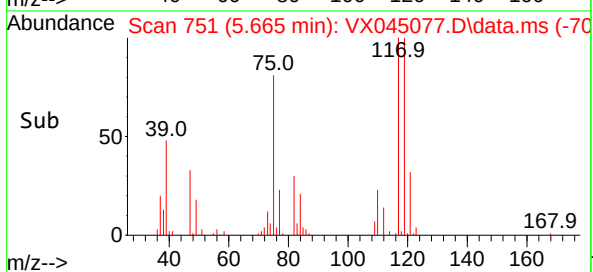
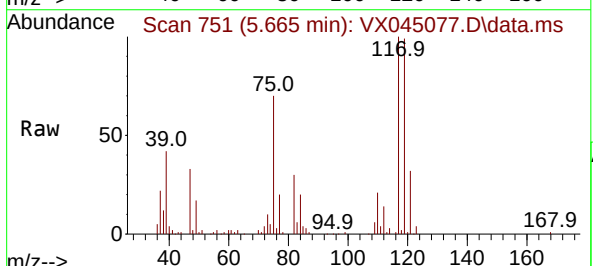
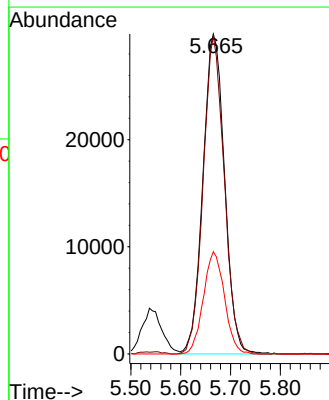
RT: 5.665 min Scan# 751

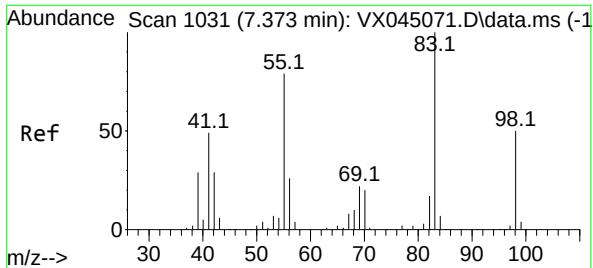
Delta R.T. -0.006 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Tgt Ion:	117	Resp:	90184
Ion	Ratio	Lower	Upper
117	100		
119	99.4	76.7	115.1
121	32.0	25.5	38.3





#39

Methylcyclohexane

Concen: 56.161 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 12120

Ion Ratio Lower Upper

83 100

55 77.8 63.0 94.4

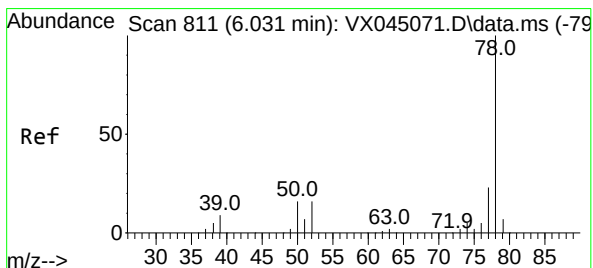
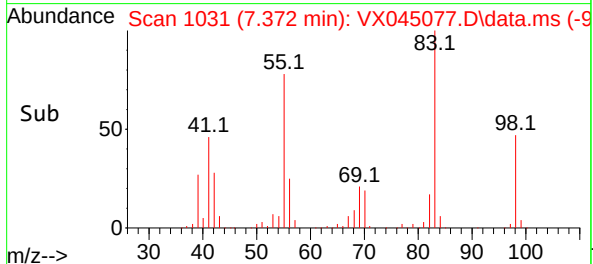
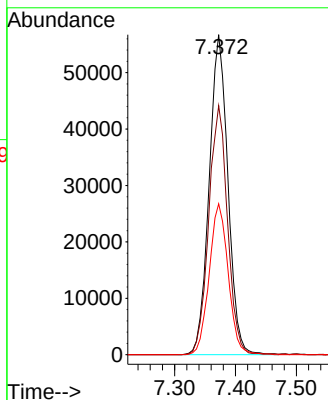
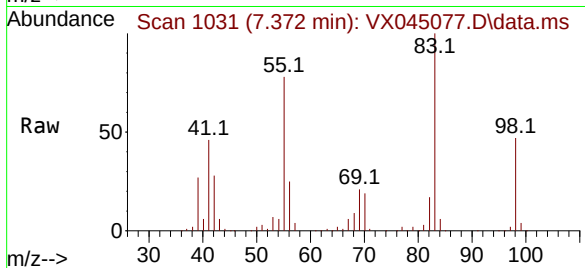
98 47.2 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#40

Benzene

Concen: 49.480 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX045077.D

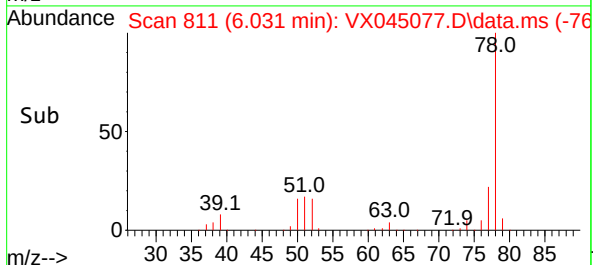
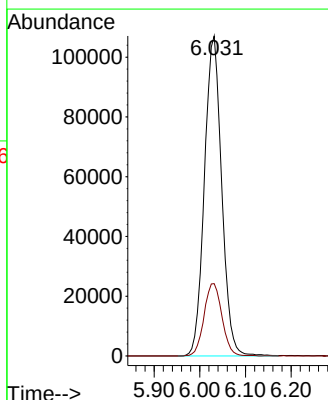
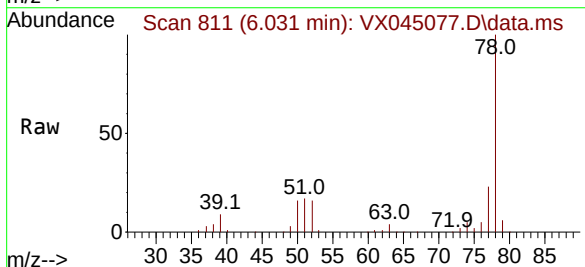
Acq: 28 Feb 2025 10:32

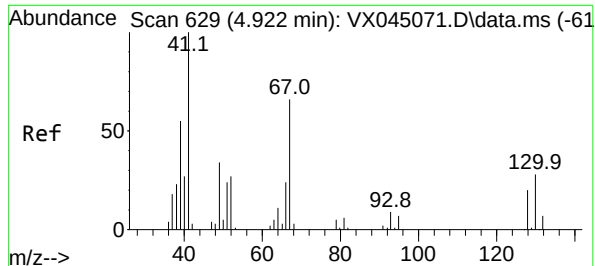
Tgt Ion: 78 Resp: 281425

Ion Ratio Lower Upper

78 100

77 22.6 18.8 28.2





#41

Methacrylonitrile

Concen: 48.126 ug/l

RT: 4.916 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 60390

Ion Ratio Lower Upper

41 100

39 55.6 44.6 67.0

67 69.8 53.9 80.9

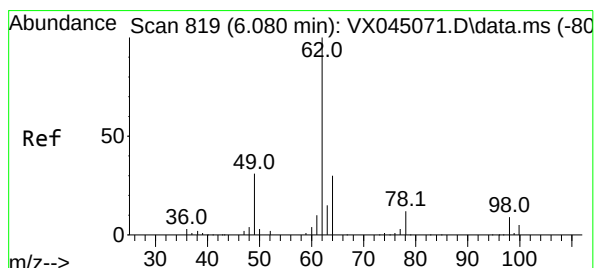
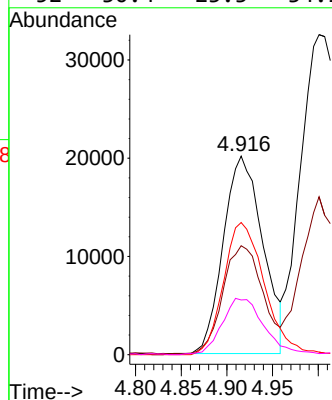
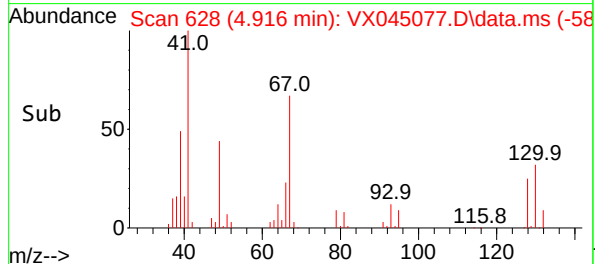
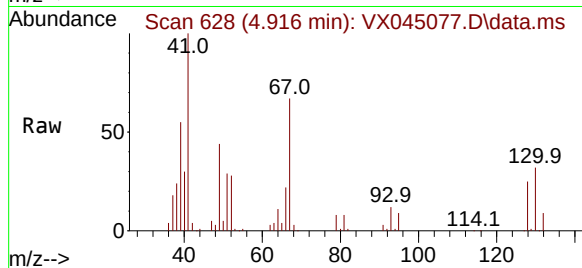
52 30.4 23.3 34.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#42

1,2-Dichloroethane

Concen: 47.405 ug/l

RT: 6.080 min Scan# 819

Delta R.T. -0.000 min

Lab File: VX045077.D

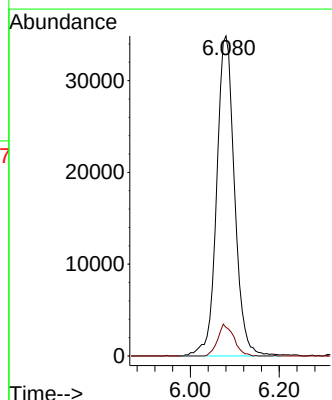
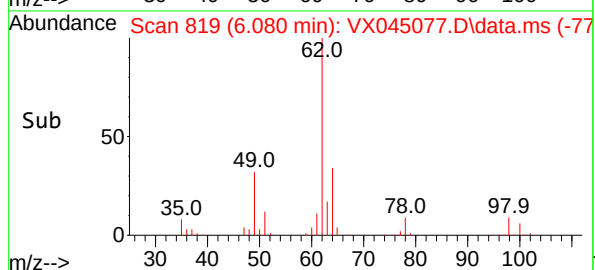
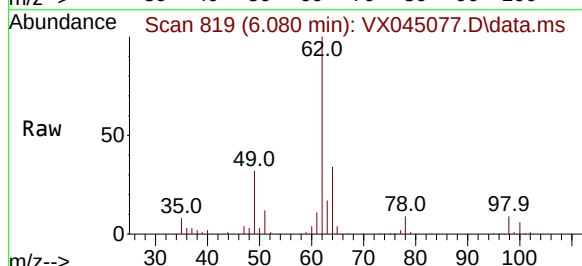
Acq: 28 Feb 2025 10:32

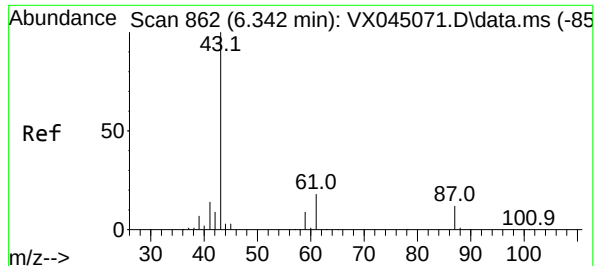
Tgt Ion: 62 Resp: 97091

Ion Ratio Lower Upper

62 100

98 9.0 0.0 18.2





#43

Isopropyl Acetate

Concen: 50.139 ug/l

RT: 6.336 min Scan# 80

Delta R.T. -0.006 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 172070

Ion Ratio Lower Upper

43

100

61

87

18.7 14.9 22.3

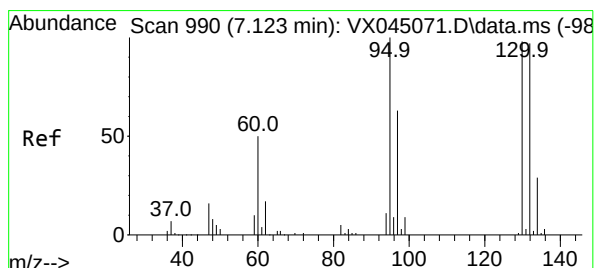
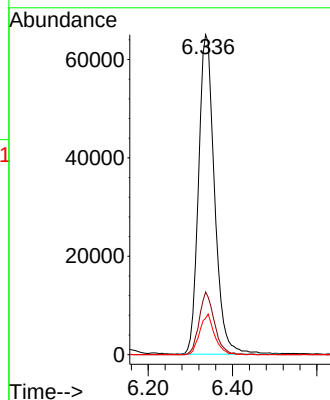
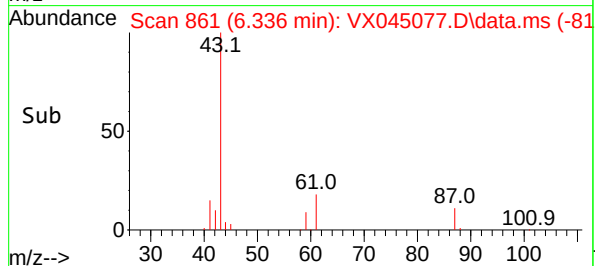
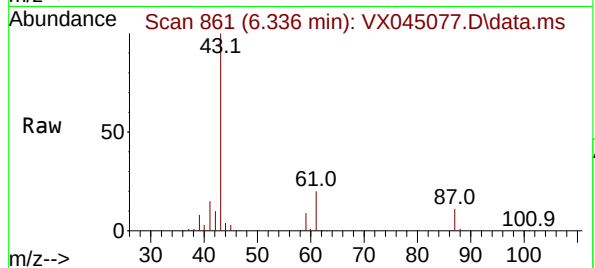
11.8 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#44

Trichloroethene

Concen: 48.221 ug/l

RT: 7.116 min Scan# 989

Delta R.T. -0.006 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Tgt Ion:130 Resp: 64399

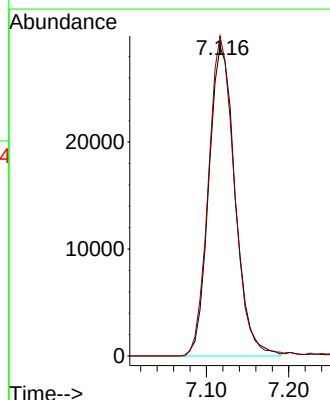
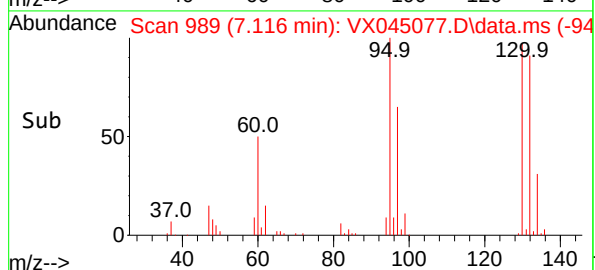
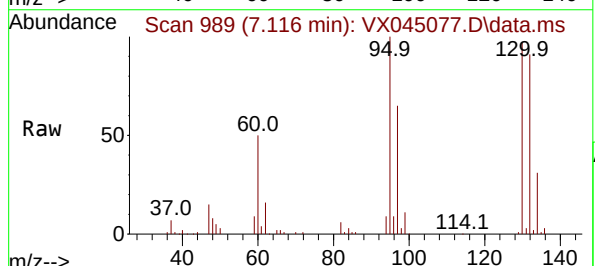
Ion Ratio Lower Upper

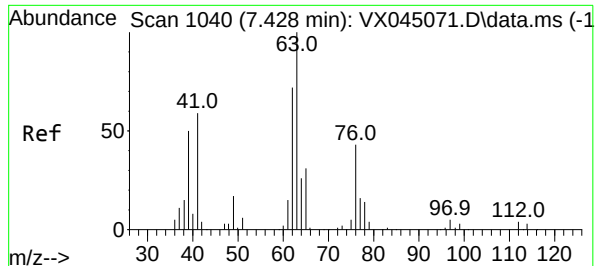
130

100

95

103.5 0.0 205.0





#45

1,2-Dichloropropane

Concen: 48.028 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 70234

Ion Ratio Lower Upper

63 100

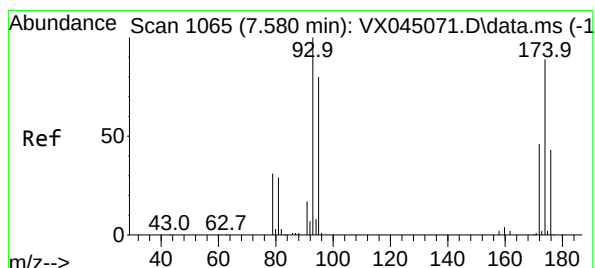
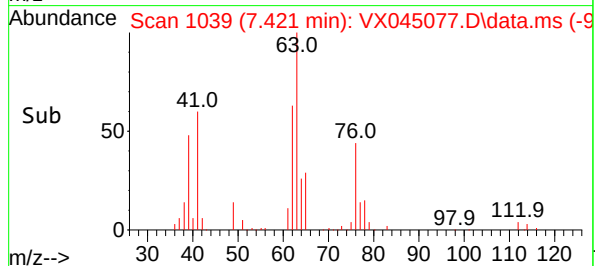
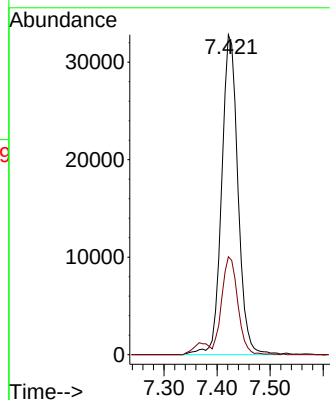
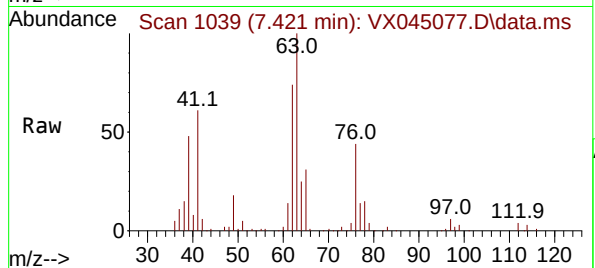
65 30.6 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#46

Dibromomethane

Concen: 49.300 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.006 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

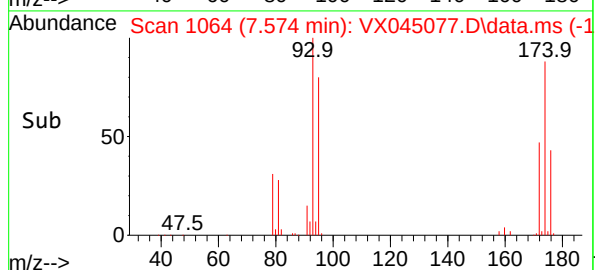
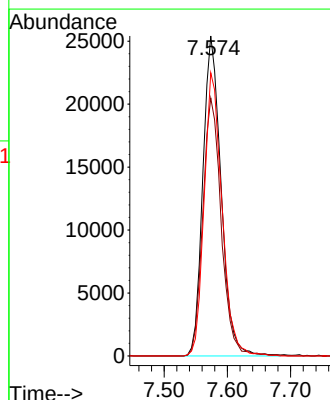
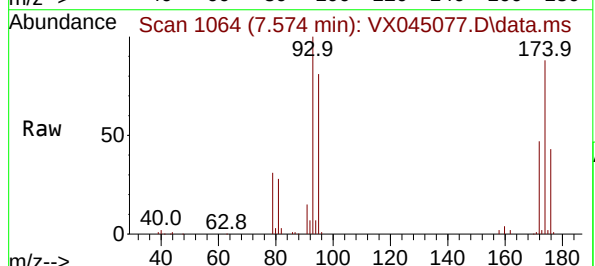
Tgt Ion: 93 Resp: 50957

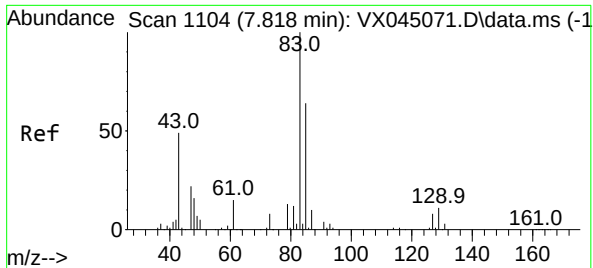
Ion Ratio Lower Upper

93 100

95 81.4 65.8 98.8

174 87.1 72.2 108.2





#47

Bromodichloromethane

Concen: 49.243 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

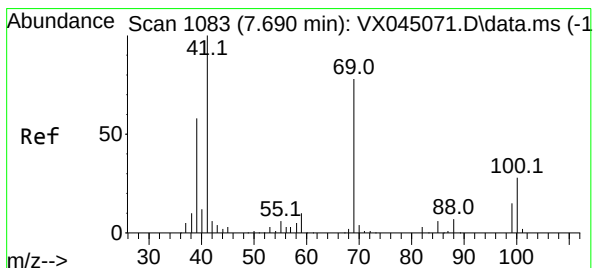
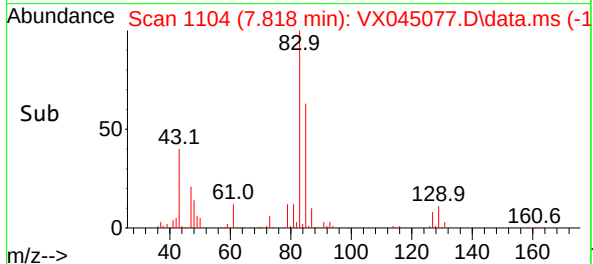
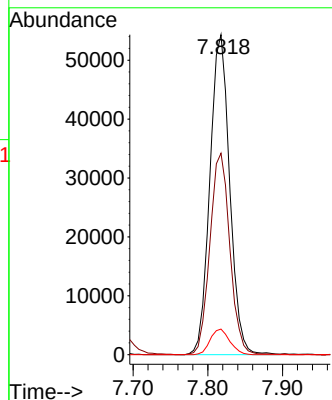
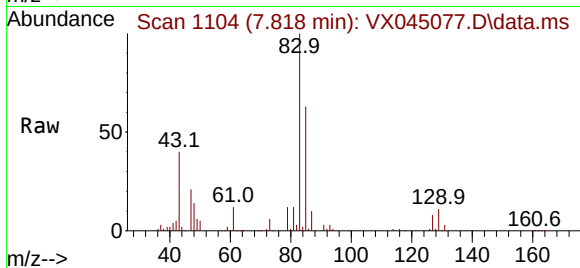
VSTDCCC050

Tgt Ion:	83	Resp:	99834
Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.1	76.7
127	8.0	6.4	9.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#48

Methyl methacrylate

Concen: 50.032 ug/l

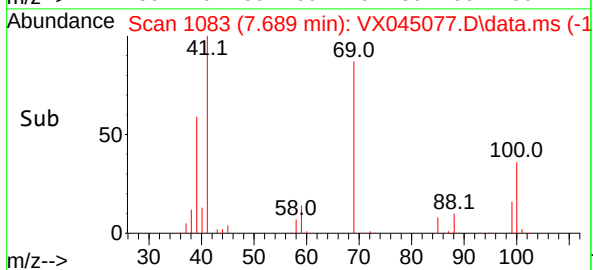
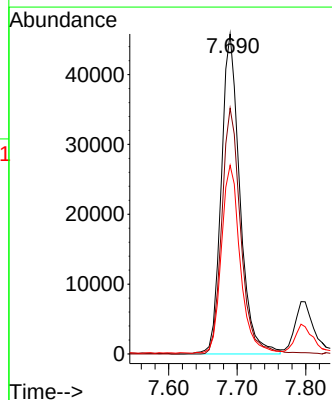
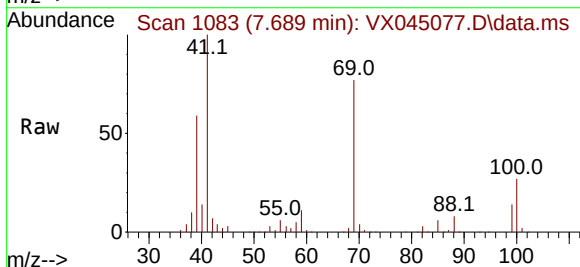
RT: 7.689 min Scan# 1083

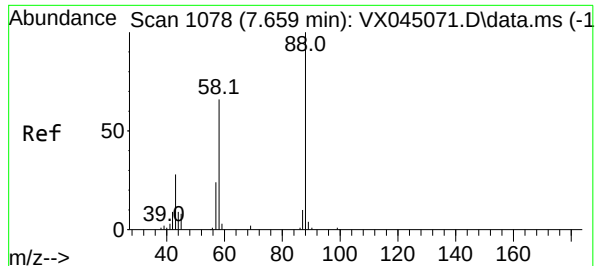
Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Tgt Ion:	41	Resp:	86144
Ion	Ratio	Lower	Upper
41	100		
69	78.3	63.0	94.6
39	59.5	47.5	71.3





#49

1,4-Dioxane

Concen: 912.798 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

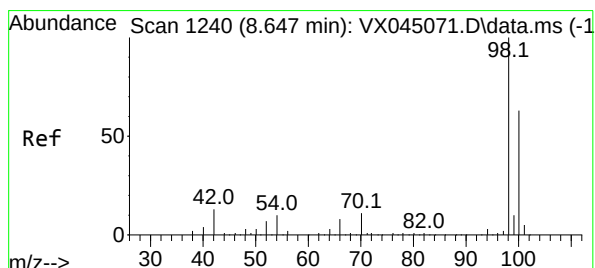
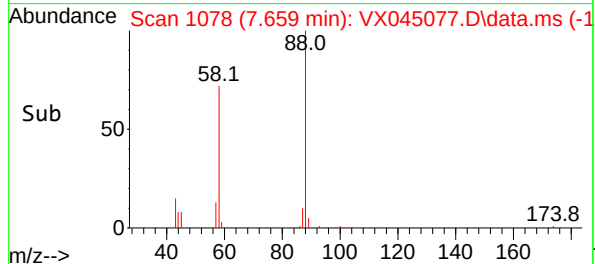
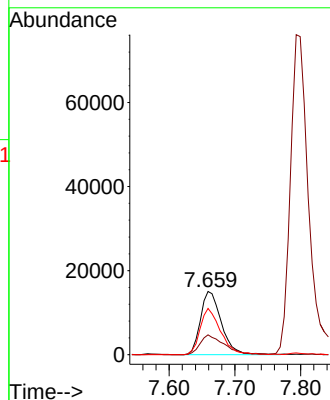
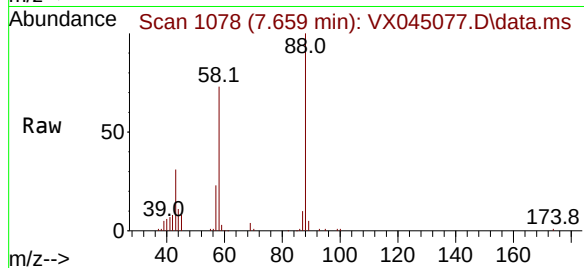
Tgt Ion:	88	Resp:	3315
Ion Ratio	Lower	Upper	
88	100		
43	36.3	28.7	43.1
58	72.2	55.8	83.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#50

Toluene-d8

Concen: 49.853 ug/l

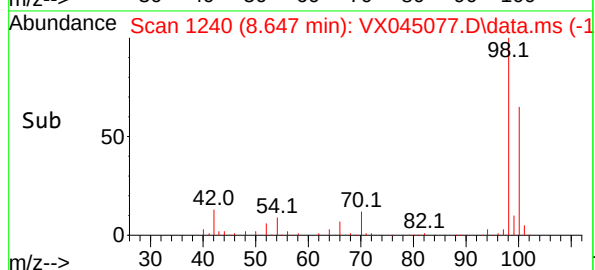
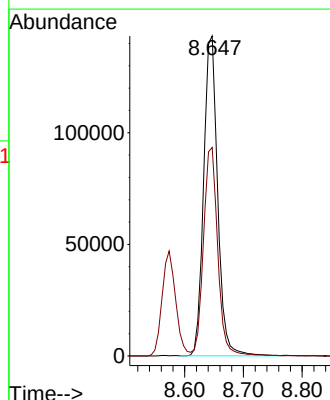
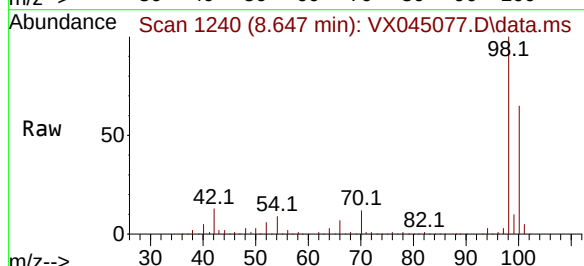
RT: 8.647 min Scan# 1240

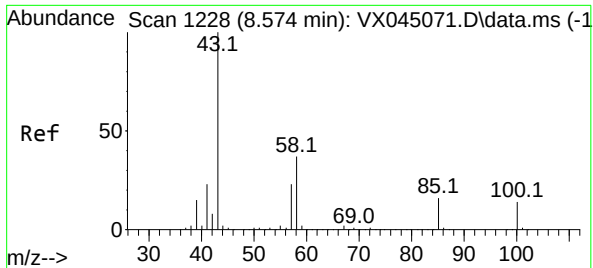
Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Tgt Ion:	98	Resp:	237369
Ion Ratio	Lower	Upper	
98	100		
100	66.1	52.0	78.0





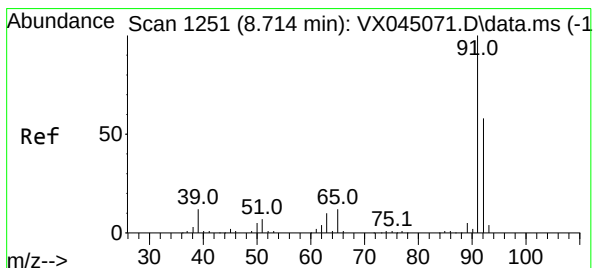
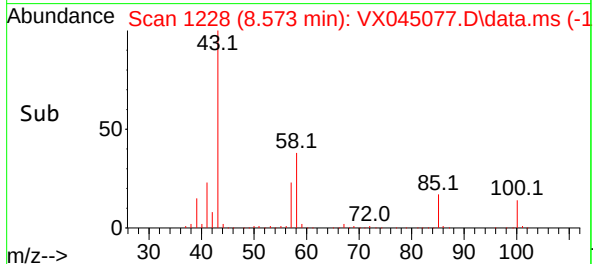
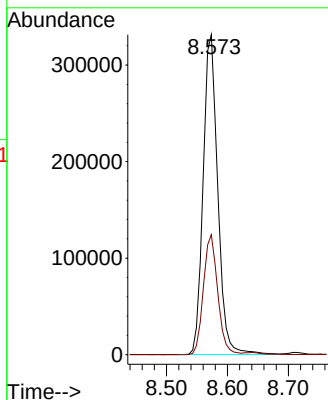
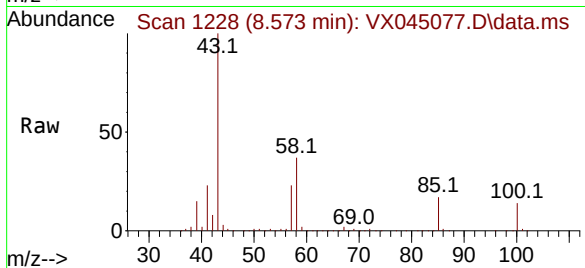
#51
4-Methyl-2-Pentanone
Concen: 240.651 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 55454
Ion Ratio Lower Upper
43 100
58 36.6 29.2 43.8

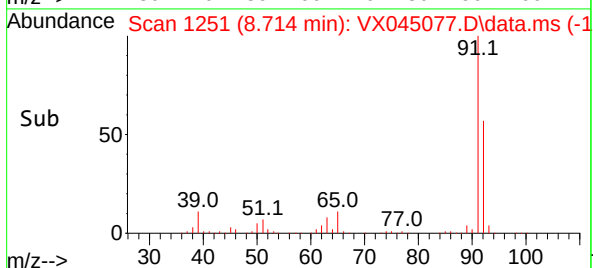
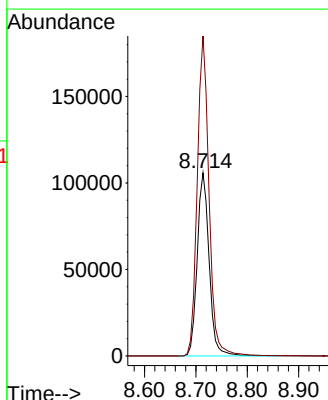
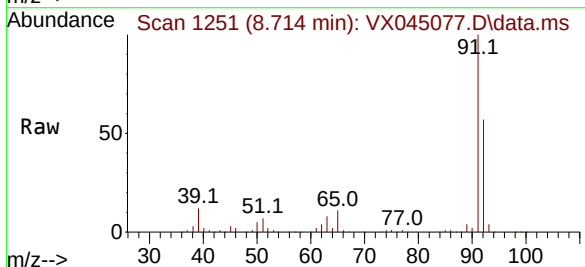
Manual Integrations
APPROVED

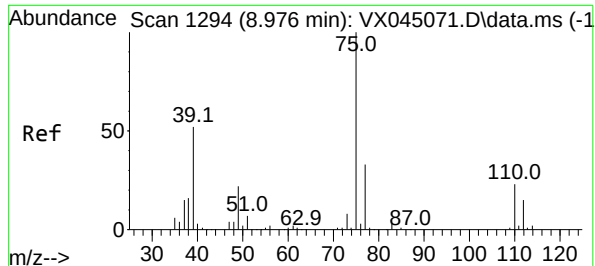
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#52
Toluene
Concen: 51.187 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 92 Resp: 170814
Ion Ratio Lower Upper
92 100
91 172.3 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 55.975 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 9487

Ion Ratio Lower Upper

75 100

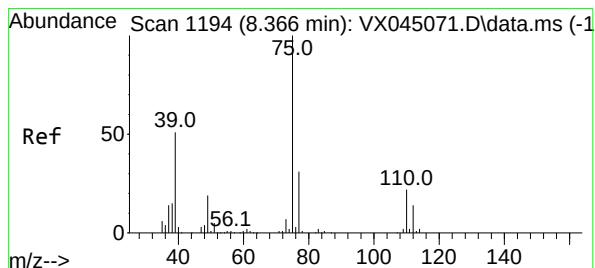
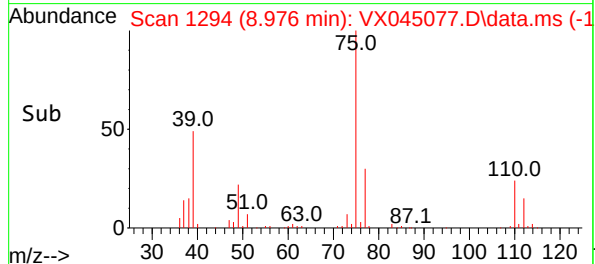
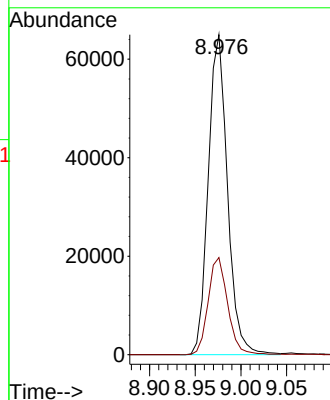
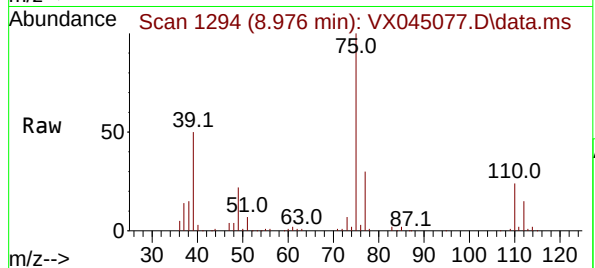
77 30.4 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#54

cis-1,3-Dichloropropene

Concen: 54.755 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.006 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

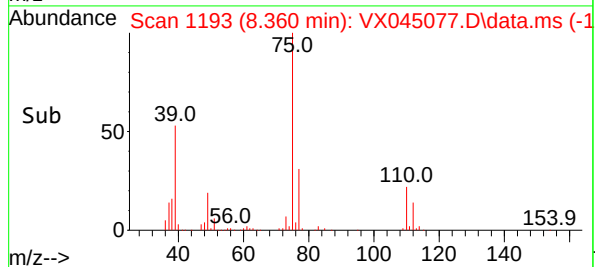
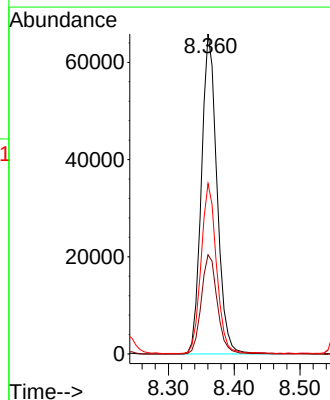
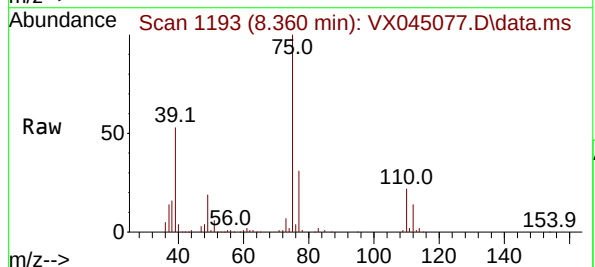
Tgt Ion: 75 Resp: 108220

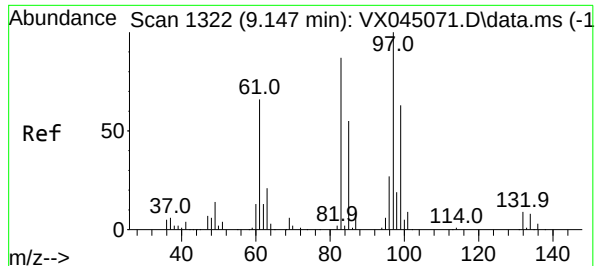
Ion Ratio Lower Upper

75 100

77 31.0 24.7 37.1

39 53.1 40.7 61.1





#55

1,1,2-Trichloroethane

Concen: 47.245 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 64904

Ion Ratio Lower Upper

97 100

83 89.4 69.4 104.2

85 57.0 44.1 66.1

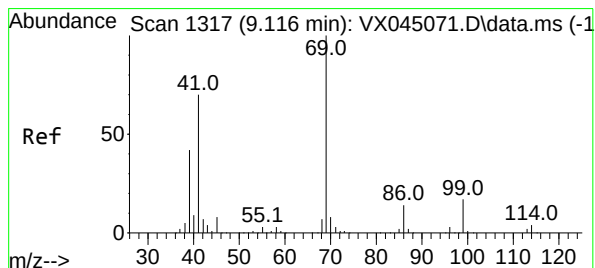
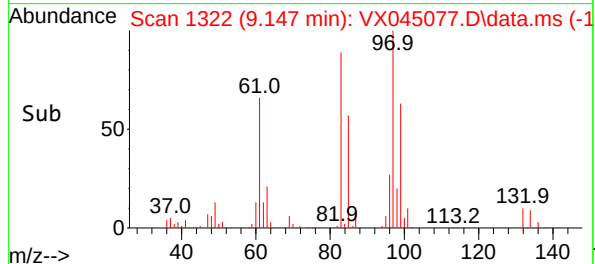
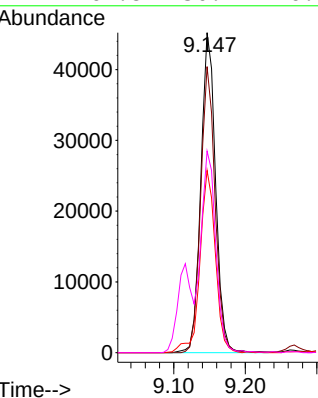
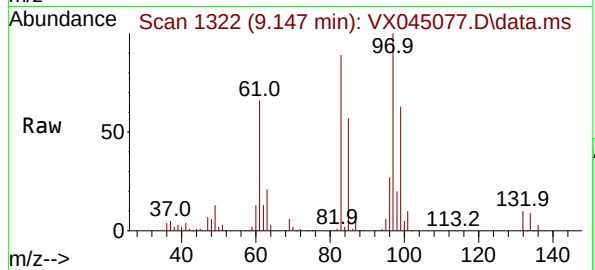
99 62.8 50.7 76.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#56

Ethyl methacrylate

Concen: 51.537 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

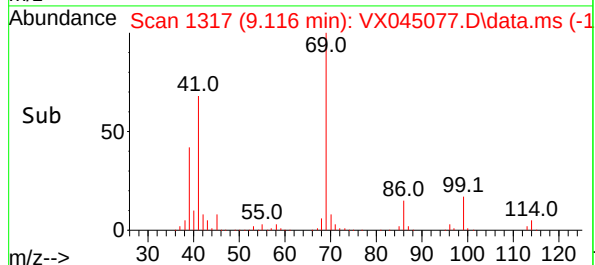
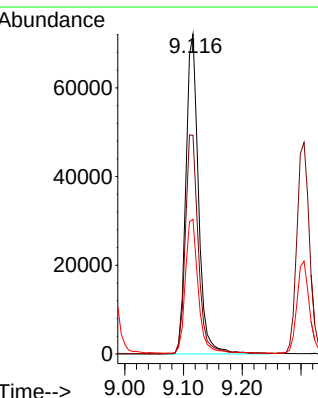
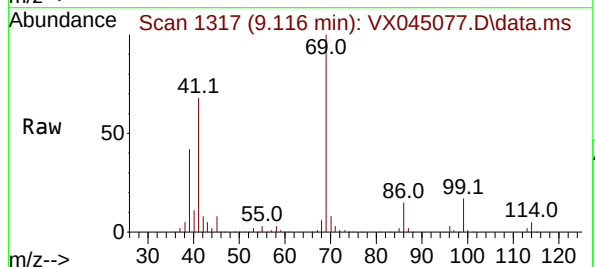
Tgt Ion: 69 Resp: 107621

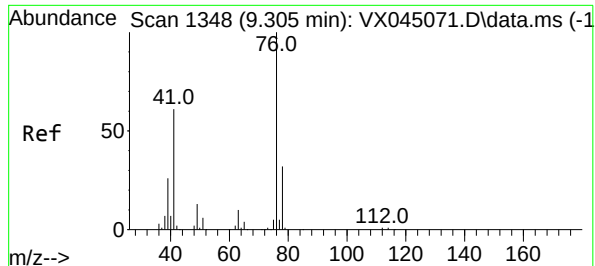
Ion Ratio Lower Upper

69 100

41 70.8 57.0 85.4

39 43.0 34.2 51.4





#57

1,3-Dichloropropane

Concen: 48.576 ug/l

RT: 9.305 min Scan# 11548

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDC050

Tgt Ion: 76 Resp: 11548

Ion Ratio Lower Upper

76 100

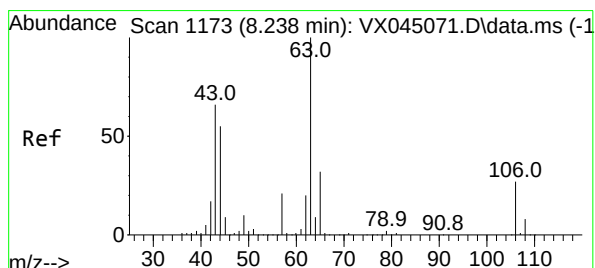
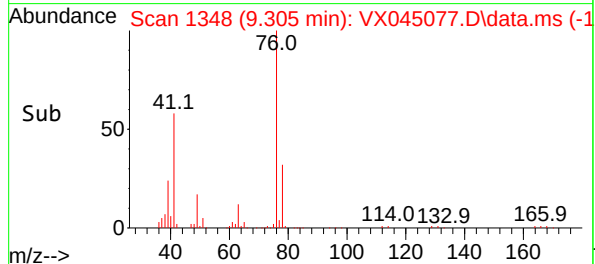
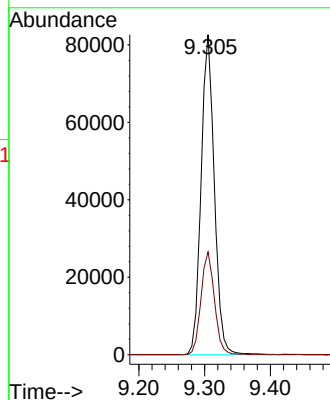
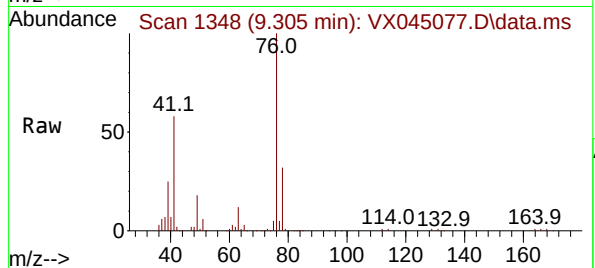
78 32.7 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#58

2-Chloroethyl Vinyl ether

Concen: 268.530 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX045077.D

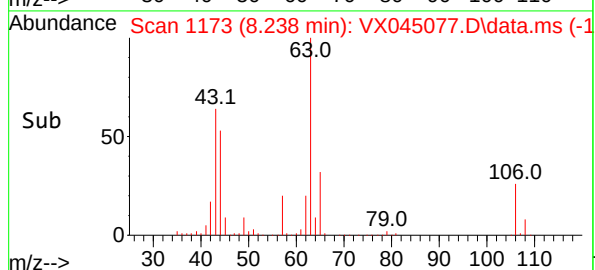
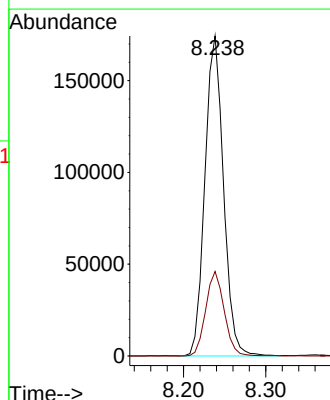
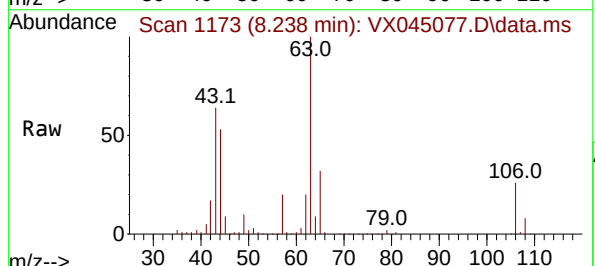
Acq: 28 Feb 2025 10:32

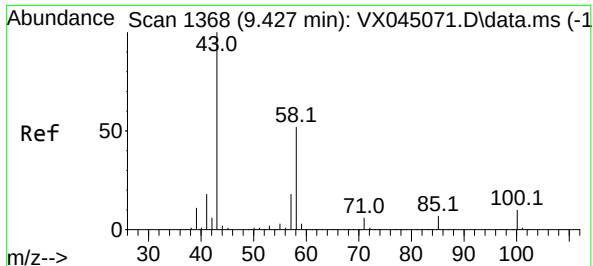
Tgt Ion: 63 Resp: 273540

Ion Ratio Lower Upper

63 100

106 26.3 21.5 32.3





#59

2-Hexanone

Concen: 241.811 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 403729

Ion Ratio Lower Upper

43 100

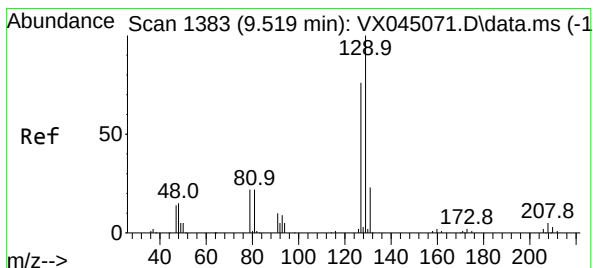
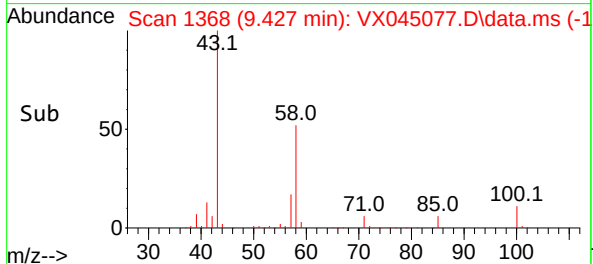
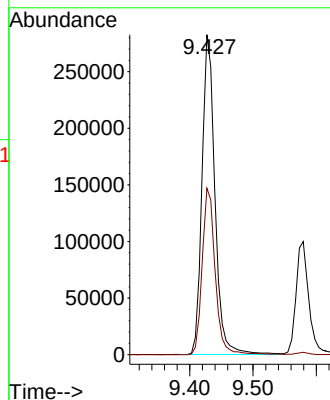
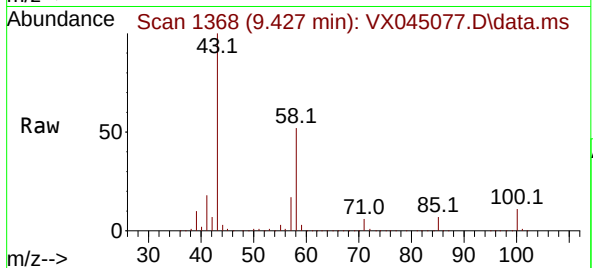
58 52.4 25.9 77.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#60

Dibromochloromethane

Concen: 50.220 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX045077.D

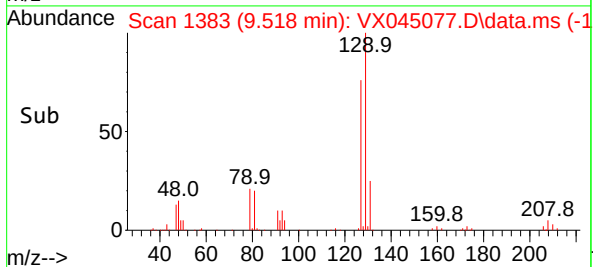
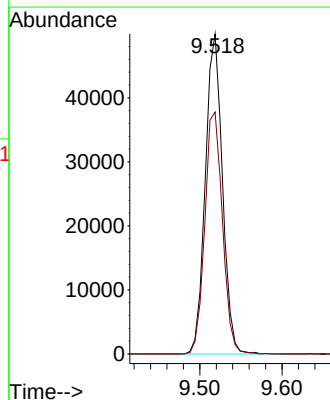
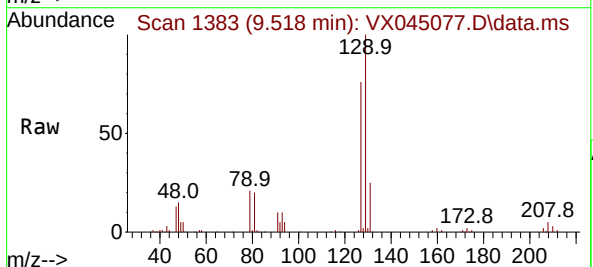
Acq: 28 Feb 2025 10:32

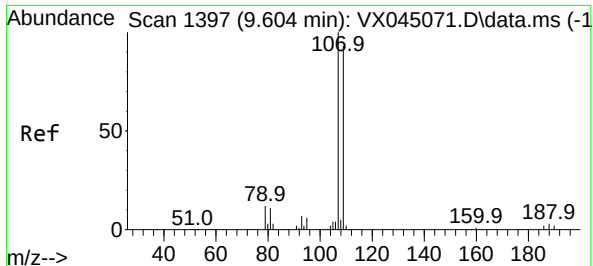
Tgt Ion:129 Resp: 72136

Ion Ratio Lower Upper

129 100

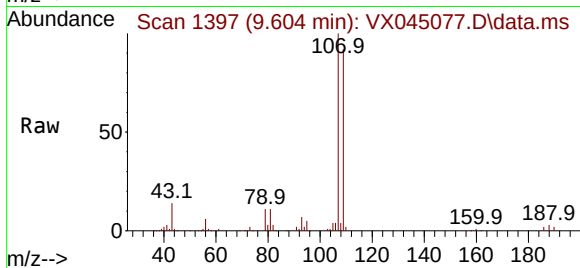
127 78.2 38.5 115.5





#61
1,2-Dibromoethane
Concen: 48.992 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

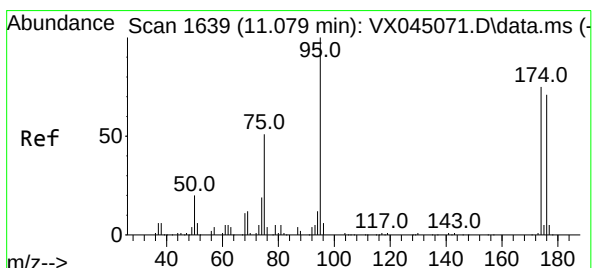
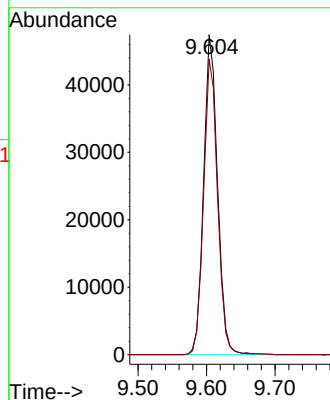
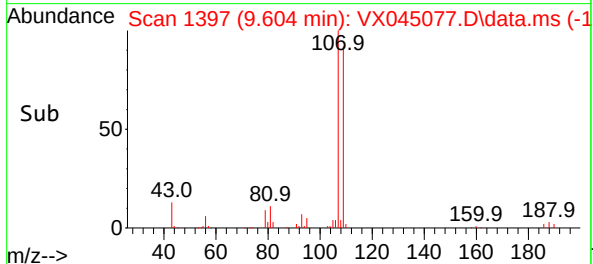
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



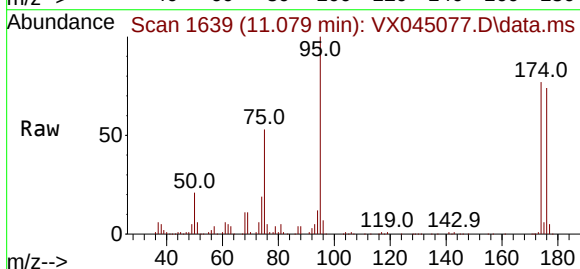
Tgt Ion:107 Resp: 67190
Ion Ratio Lower Upper
107 100
109 92.7 76.1 114.1

Manual Integrations
APPROVED

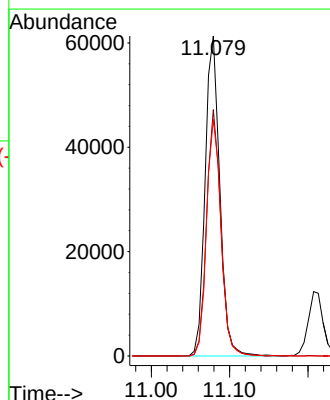
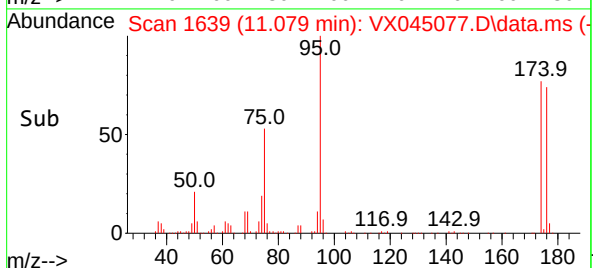
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

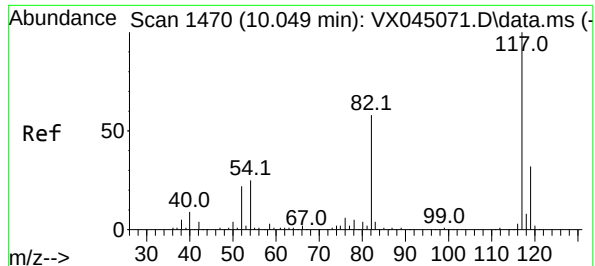


#62
4-Bromofluorobenzene
Concen: 50.332 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32



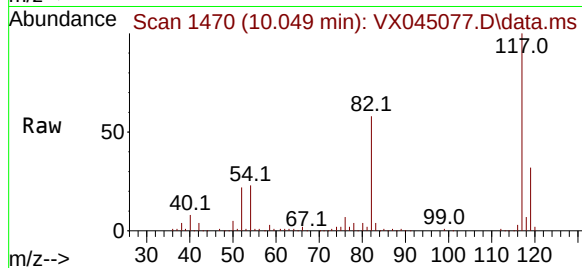
Tgt Ion: 95 Resp: 79413
Ion Ratio Lower Upper
95 100
174 74.7 0.0 148.2
176 73.4 0.0 141.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

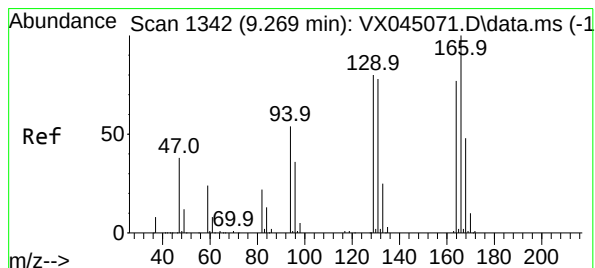
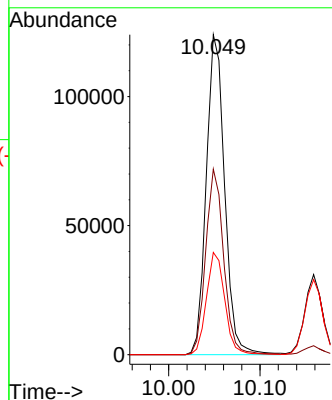
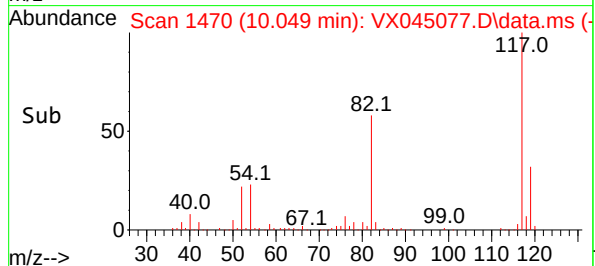
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:117 Resp: 172369
Ion Ratio Lower Upper
117 100
82 58.0 46.3 69.5
119 32.0 25.7 38.5

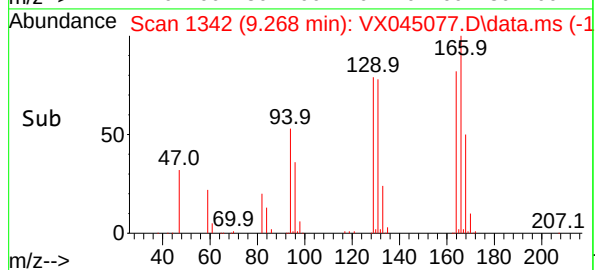
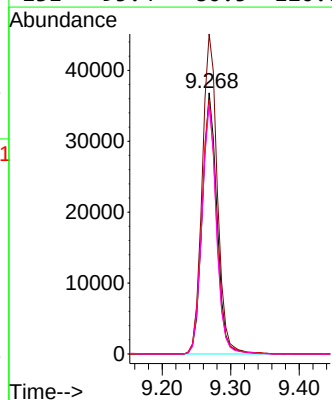
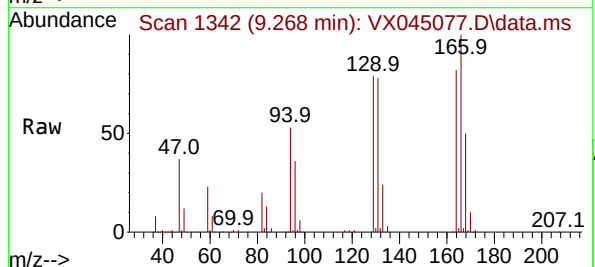
Manual Integrations
APPROVED

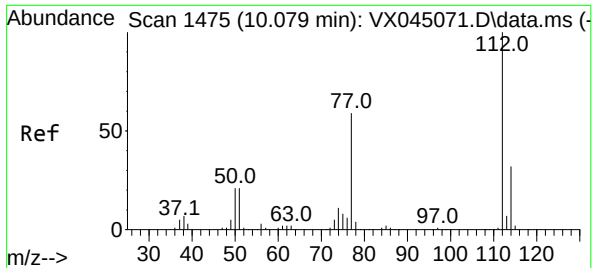
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#64
Tetrachloroethene
Concen: 49.741 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

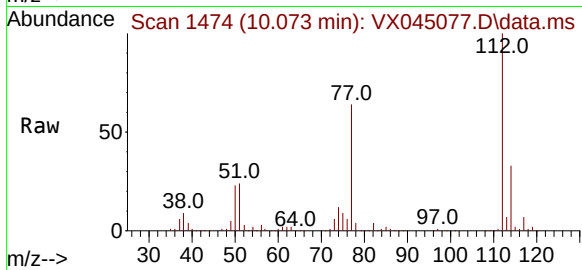
Tgt Ion:164 Resp: 54912
Ion Ratio Lower Upper
164 100
166 122.5 103.6 155.4
129 97.4 82.7 124.1
131 95.4 80.5 120.7





#65
Chlorobenzene
Concen: 49.093 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

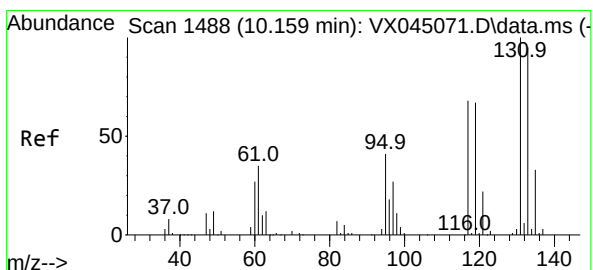
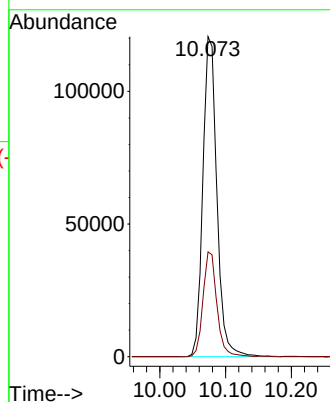
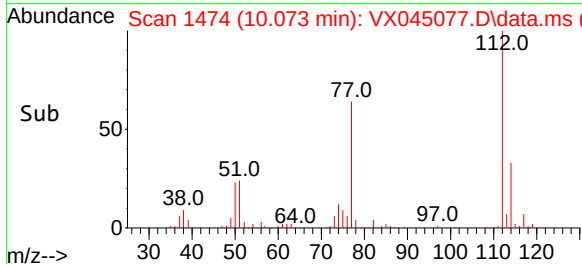
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



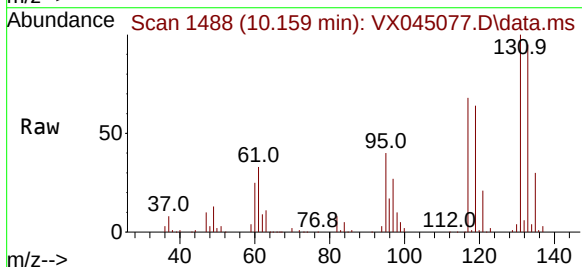
Tgt Ion:112 Resp: 17905
Ion Ratio Lower Upper
112 100
114 32.8 26.0 39.0

Manual Integrations
APPROVED

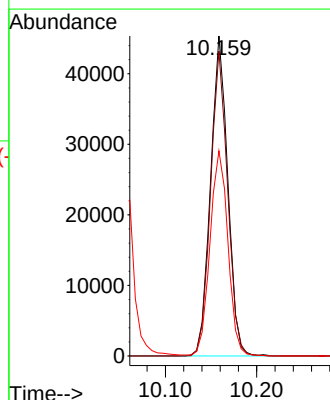
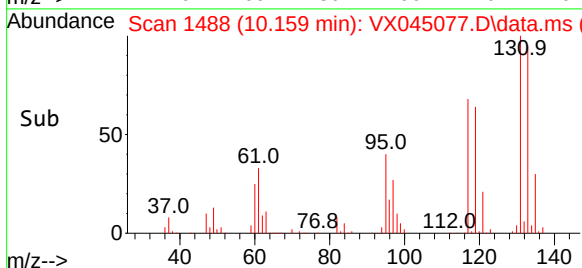
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

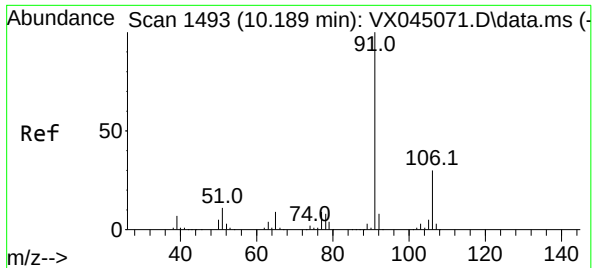


#66
1,1,1,2-Tetrachloroethane
Concen: 48.762 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32



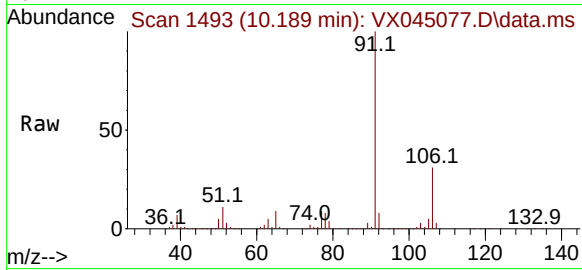
Tgt Ion:131 Resp: 59227
Ion Ratio Lower Upper
131 100
133 94.3 48.6 145.9
119 66.8 33.9 101.7





#67
Ethyl Benzene
Concen: 50.959 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

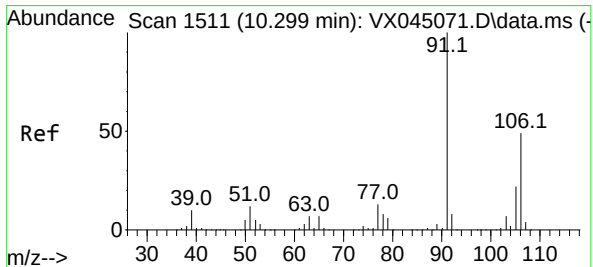
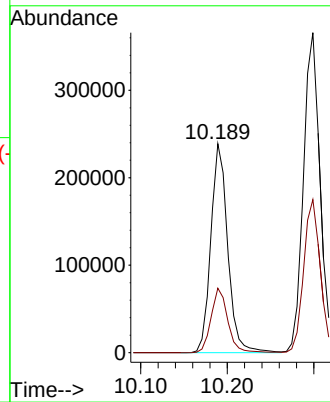
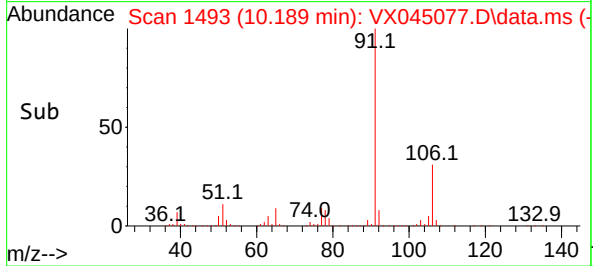
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



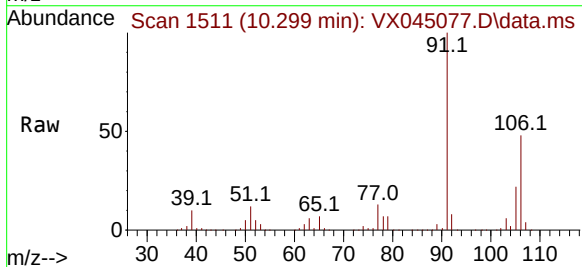
Tgt Ion: 91 Resp: 32385
Ion Ratio Lower Upper
91 100
106 30.8 23.9 35.9

Manual Integrations
APPROVED

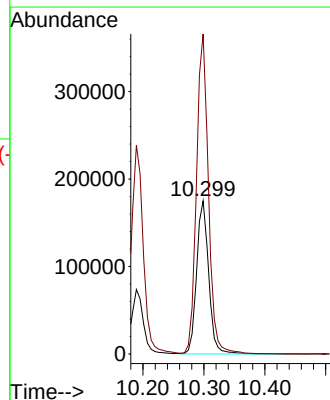
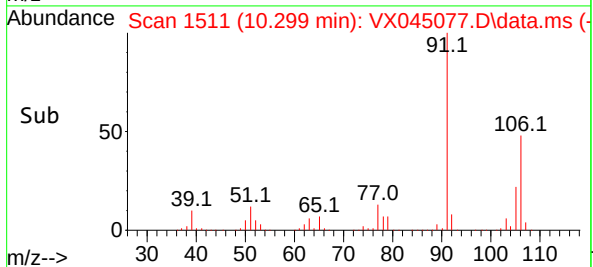
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

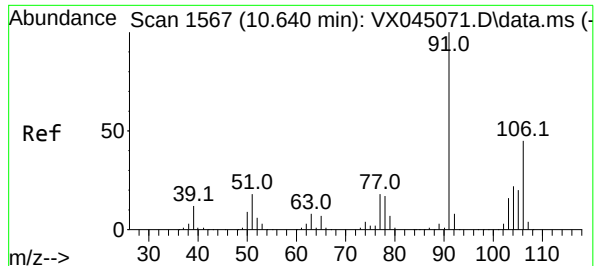


#68
m/p-Xylenes
Concen: 102.789 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32



Tgt Ion:106 Resp: 239135
Ion Ratio Lower Upper
106 100
91 208.3 165.4 248.0





#69

o-Xylene

Concen: 50.318 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:106 Resp: 11806

Ion Ratio Lower Upper

106 100

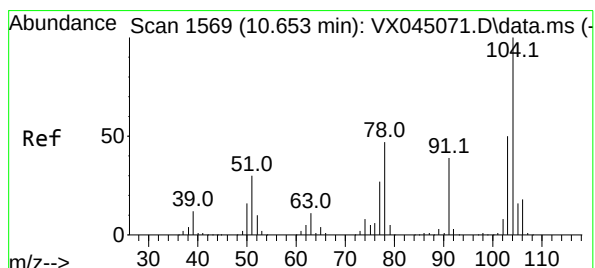
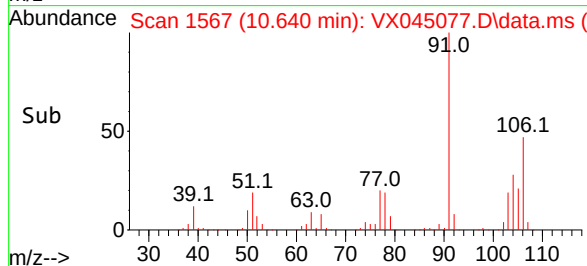
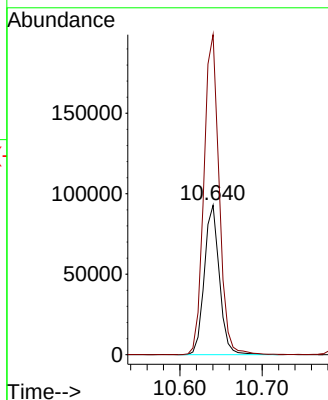
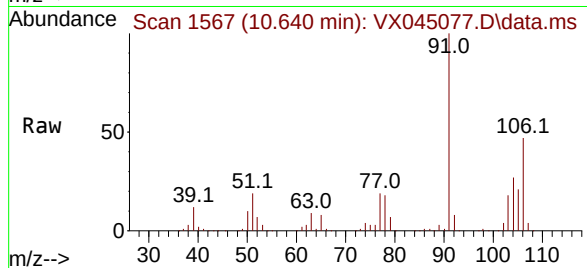
91 217.0 109.9 329.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#70

Styrene

Concen: 51.891 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

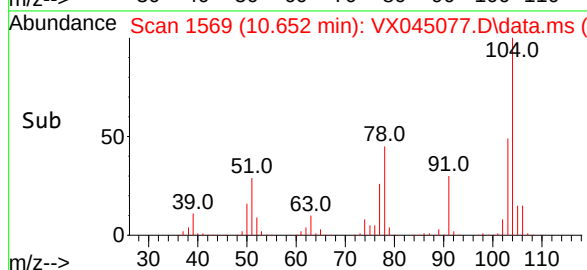
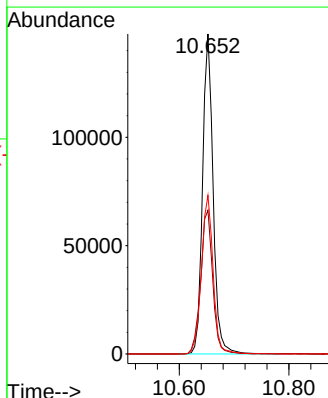
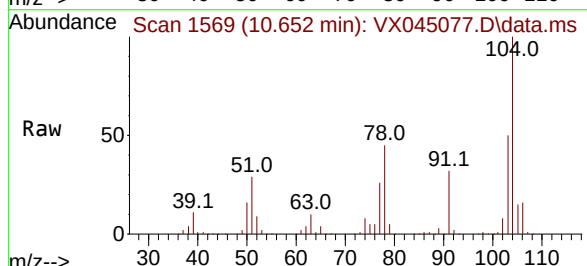
Tgt Ion:104 Resp: 197009

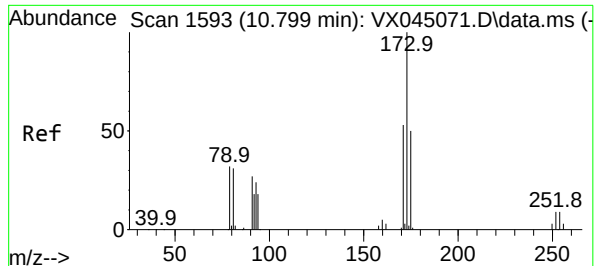
Ion Ratio Lower Upper

104 100

78 51.2 42.2 63.4

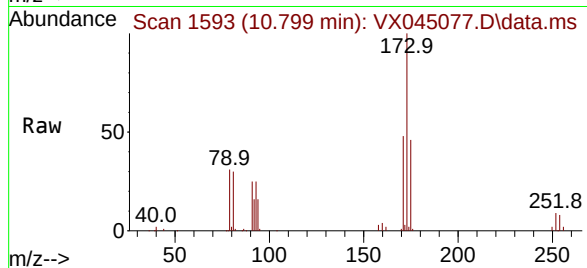
103 55.1 43.8 65.8





#71
Bromoform
Concen: 50.513 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

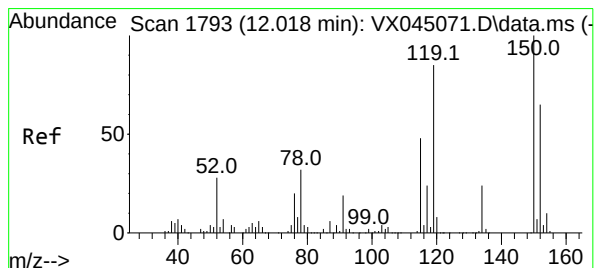
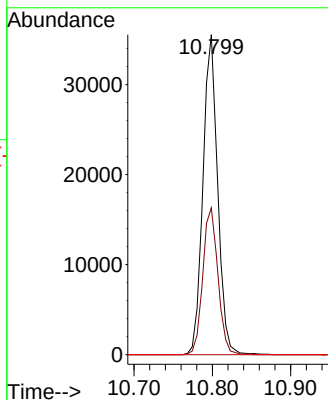
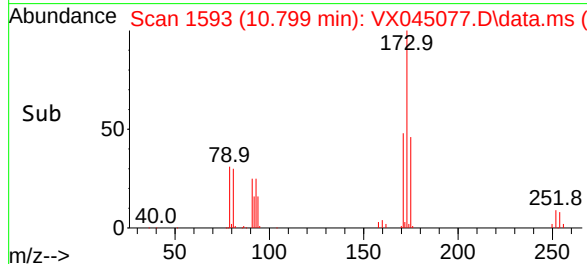
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



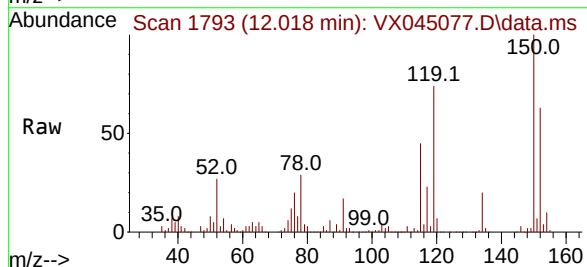
Tgt Ion:173 Resp: 4626
Ion Ratio Lower Upper
173 100
175 47.2 24.6 73.6
254 0.0 0.0 0.0

Manual Integrations
APPROVED

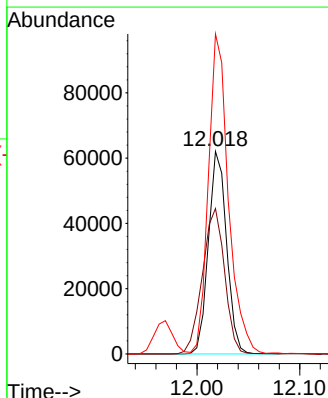
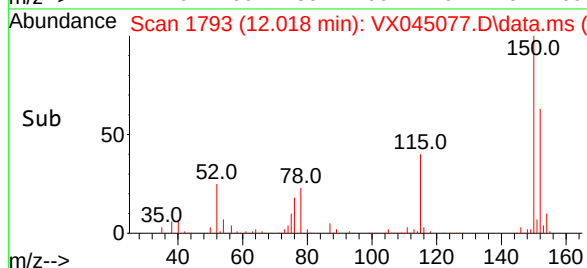
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

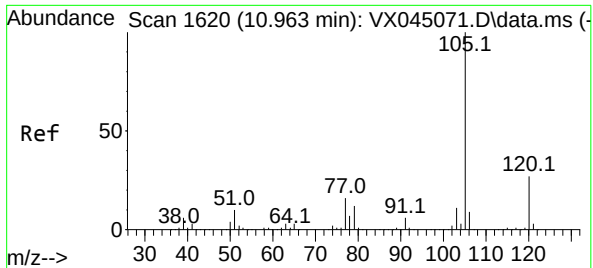


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32



Tgt Ion:152 Resp: 76314
Ion Ratio Lower Upper
152 100
115 87.8 44.2 132.6
150 174.2 0.0 349.0





#73

Isopropylbenzene

Concen: 50.901 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. -0.006 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 303194

Ion Ratio Lower Upper

105 100

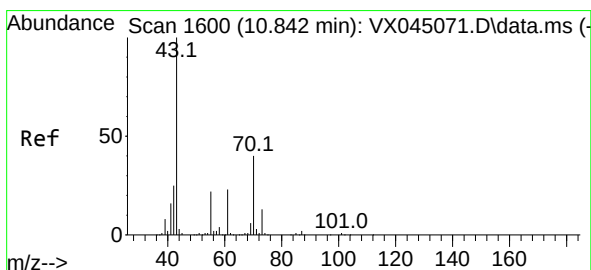
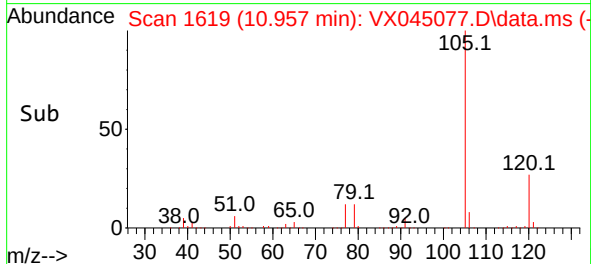
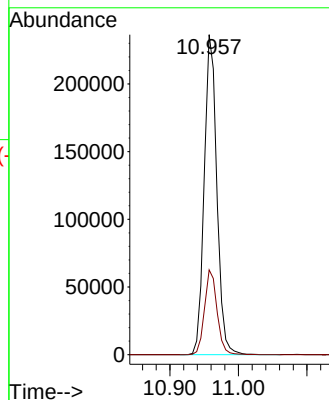
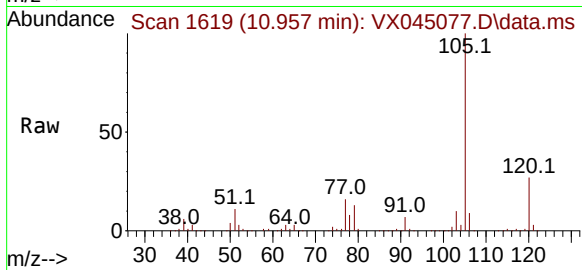
120 26.3 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#74

N-ethyl acetate

Concen: 51.942 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Tgt Ion: 43 Resp: 145178

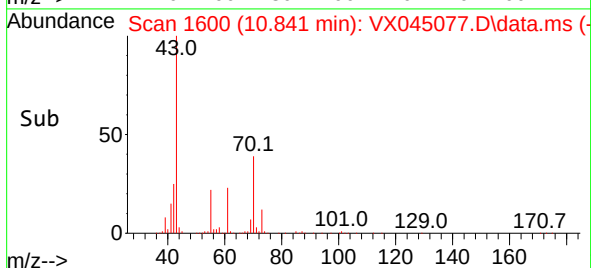
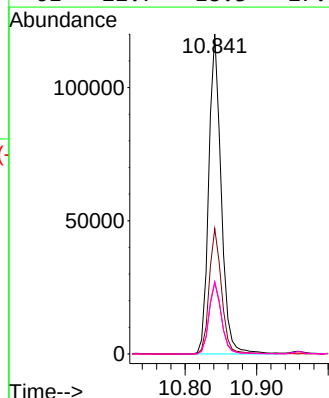
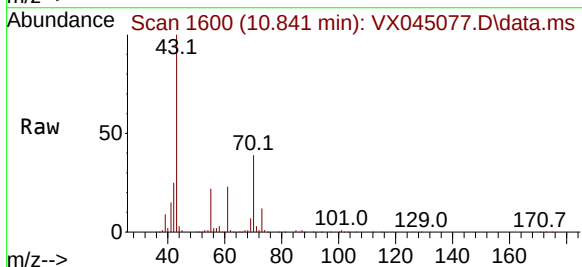
Ion Ratio Lower Upper

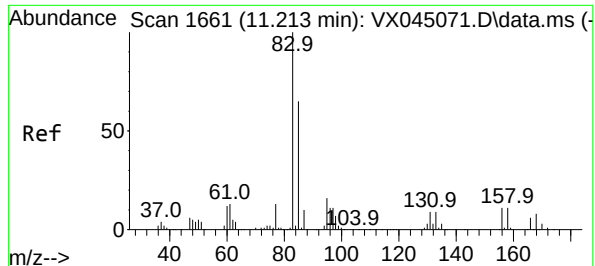
43 100

70 39.0 31.8 47.6

55 22.5 18.3 27.5

61 22.7 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 46.579 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. -0.006 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 10181

Ion Ratio Lower Upper

83 100

131 9.0 4.5 13.4

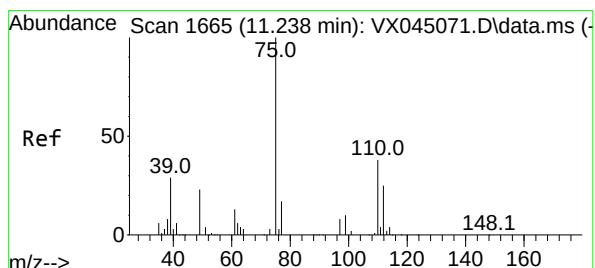
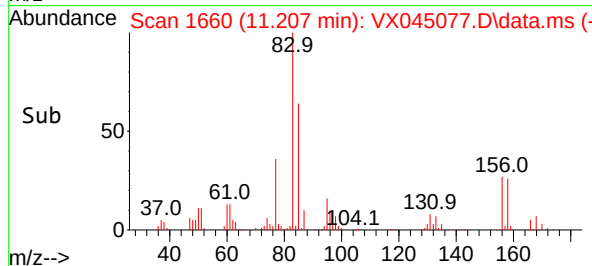
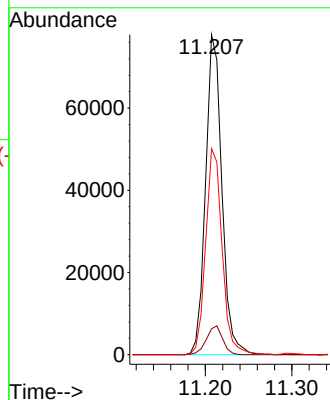
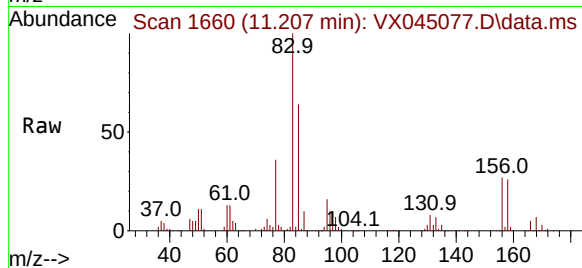
85 64.9 31.7 95.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#76

1,2,3-Trichloropropane

Concen: 46.931 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX045077.D

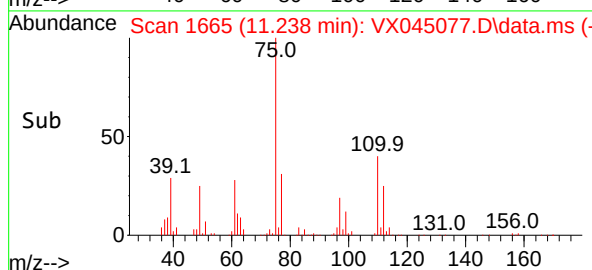
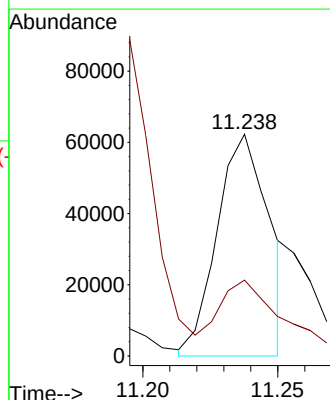
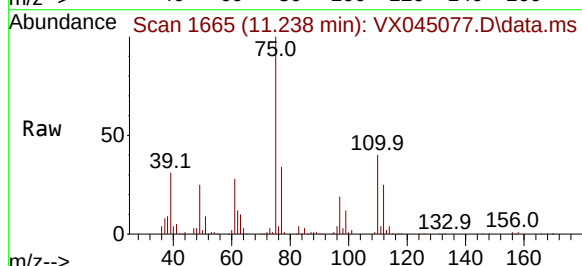
Acq: 28 Feb 2025 10:32

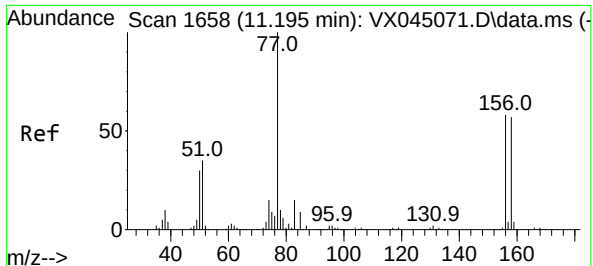
Tgt Ion: 75 Resp: 83360

Ion Ratio Lower Upper

75 100

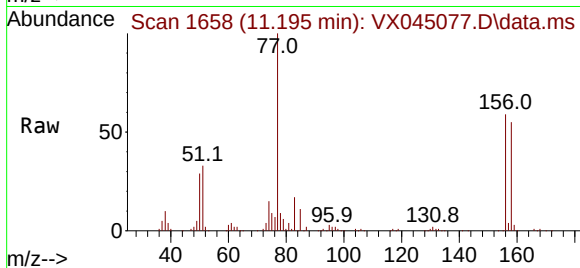
77 43.0 20.7 62.1





#77
Bromobenzene
Concen: 49.698 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

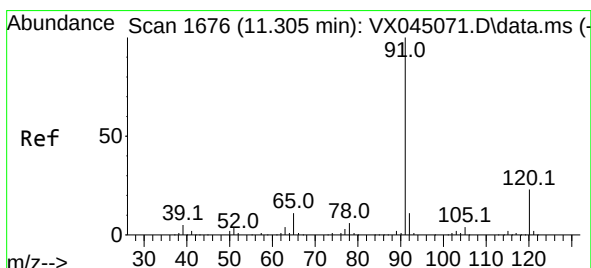
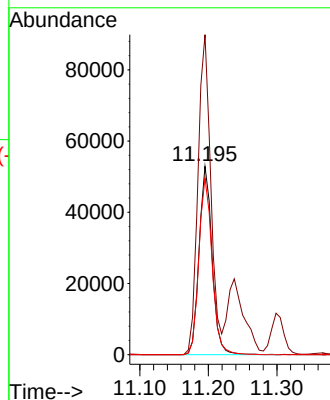
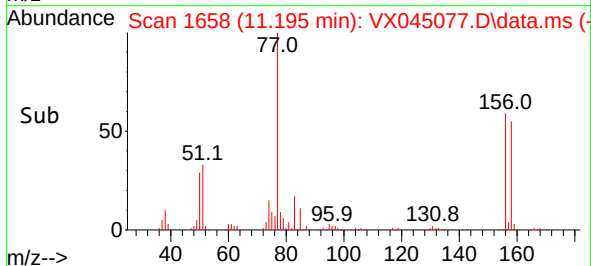
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



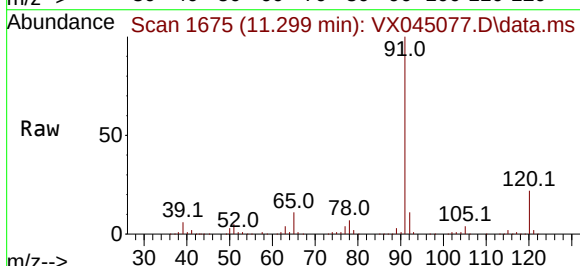
Tgt Ion: 156 Resp: 69840
Ion Ratio Lower Upper
156 100
77 168.4 85.8 257.4
158 95.6 48.4 145.2

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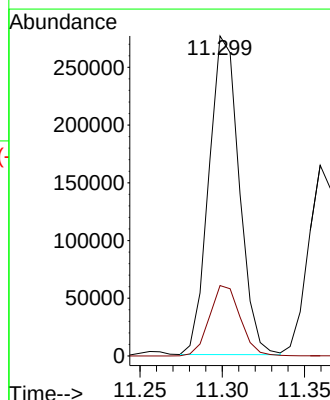
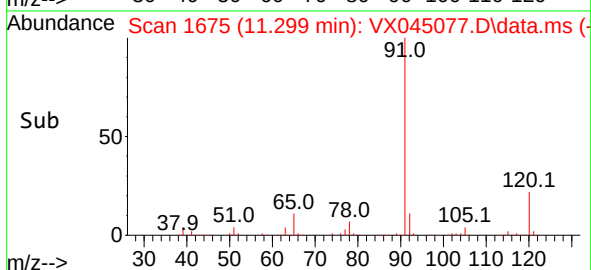
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

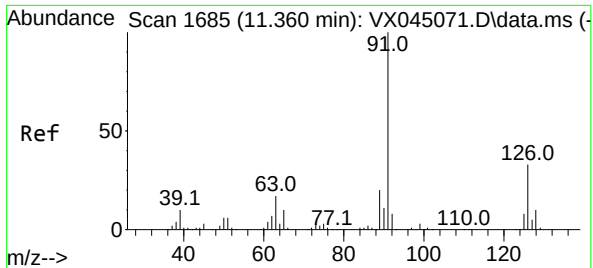


#78
n-propylbenzene
Concen: 52.644 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32



Tgt Ion: 91 Resp: 354229
Ion Ratio Lower Upper
91 100
120 22.5 11.2 33.6





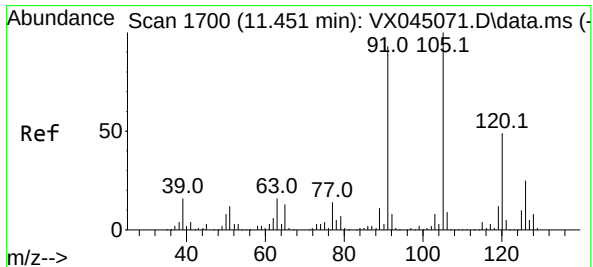
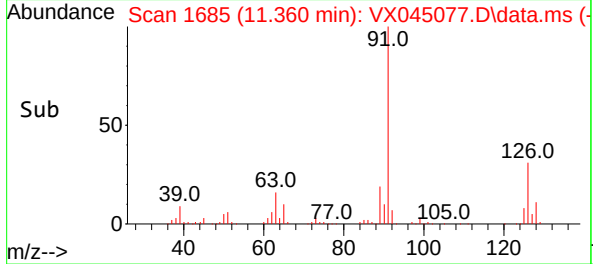
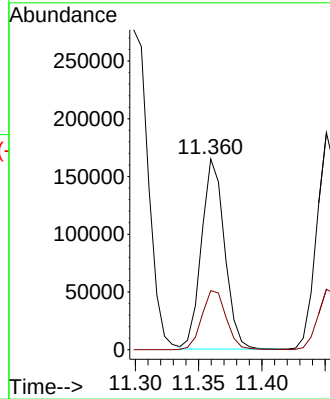
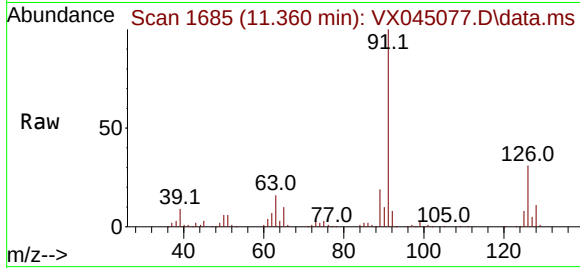
#79
2-Chlorotoluene
Concen: 48.935 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 209700
Ion Ratio Lower Upper
91 100
126 32.8 16.4 49.4

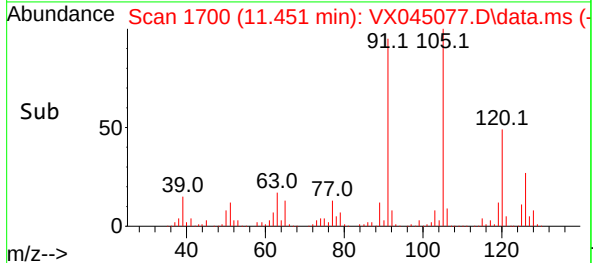
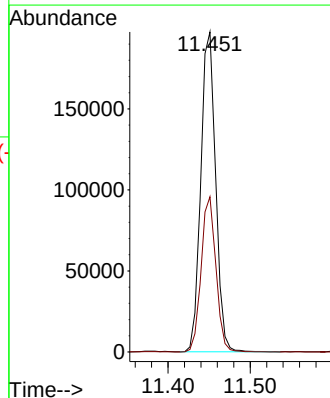
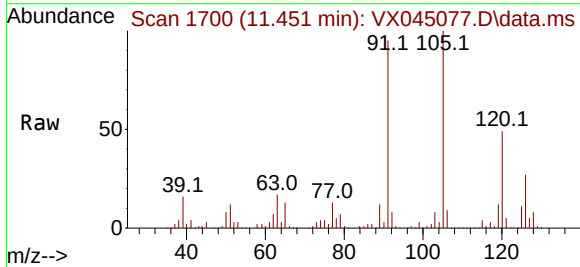
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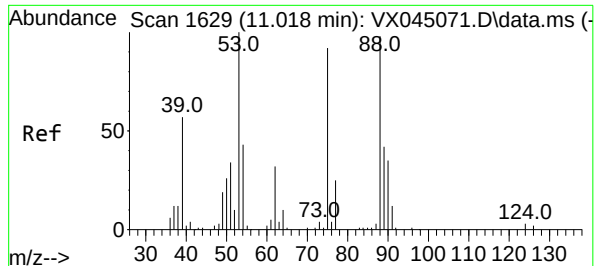
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#80
1,3,5-Trimethylbenzene
Concen: 51.381 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:105 Resp: 247465
Ion Ratio Lower Upper
105 100
120 48.3 24.1 72.2





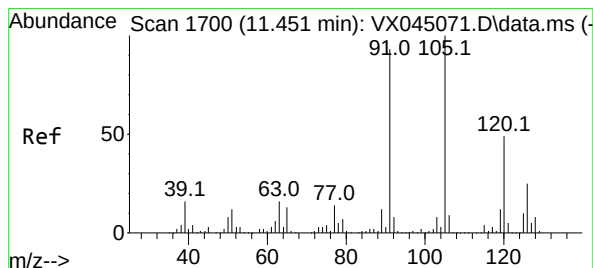
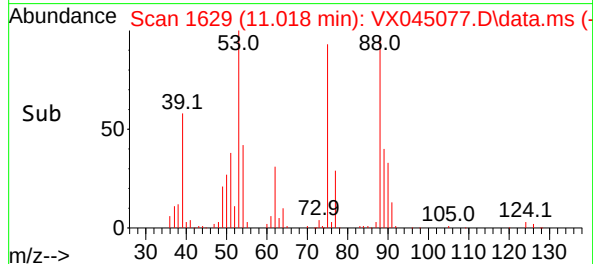
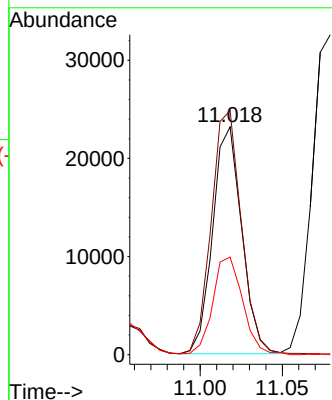
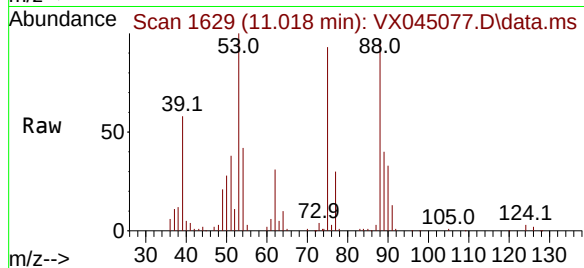
#81
trans-1,4-Dichloro-2-butene
Concen: 54.791 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 28438
Ion Ratio Lower Upper
75 100
53 112.4 88.5 132.7
89 44.4 36.2 54.4

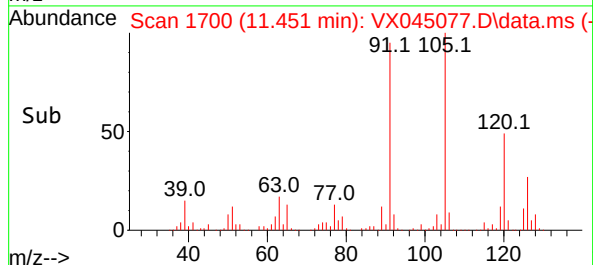
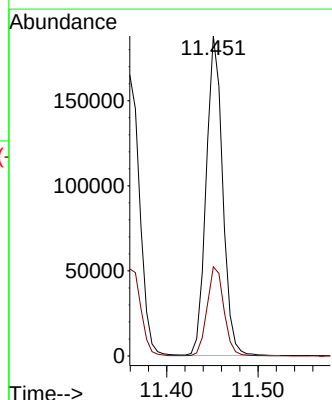
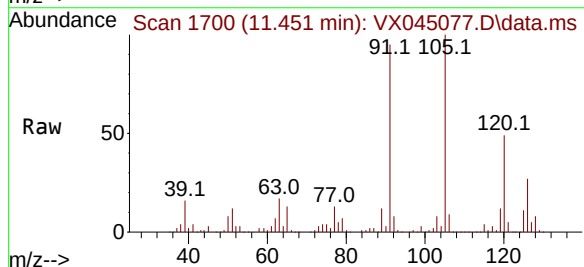
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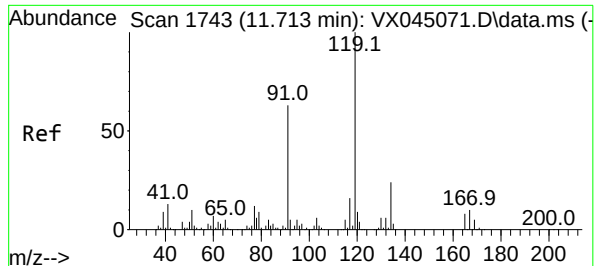
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#82
4-Chlorotoluene
Concen: 50.324 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 91 Resp: 235030
Ion Ratio Lower Upper
91 100
126 28.6 14.1 42.4





#83

tert-Butylbenzene

Concen: 50.405 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 249434

Ion Ratio Lower Upper

119 100

91 59.6 30.7 92.1

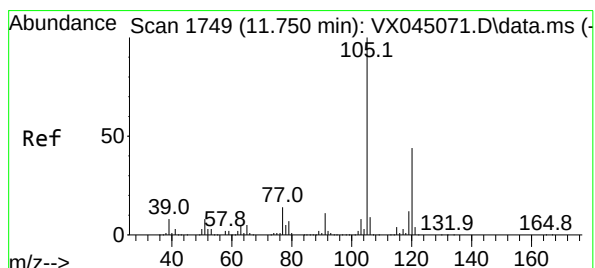
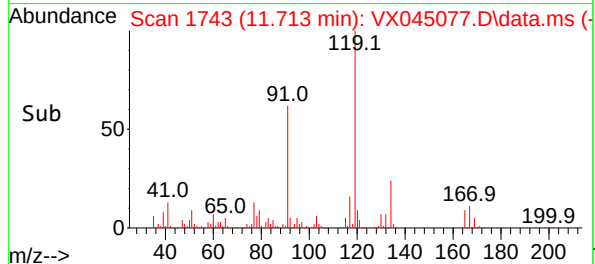
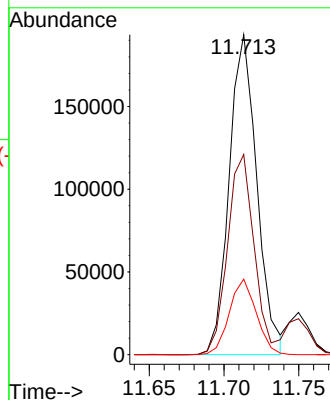
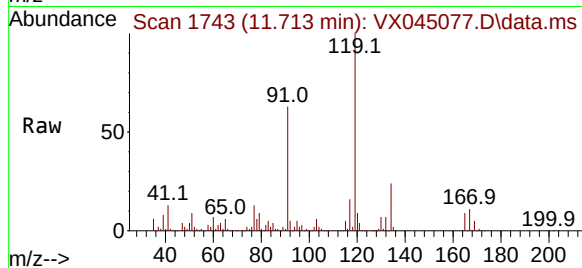
134 23.0 11.7 35.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#84

1,2,4-Trimethylbenzene

Concen: 51.398 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX045077.D

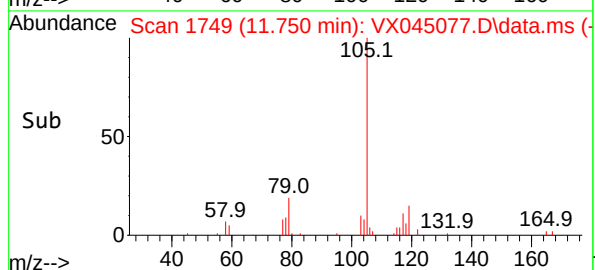
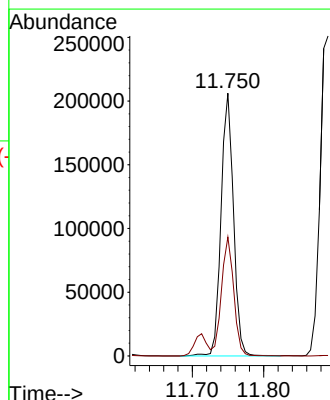
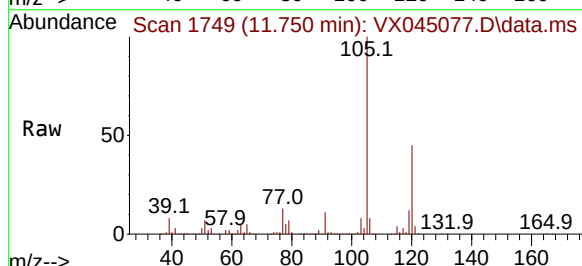
Acq: 28 Feb 2025 10:32

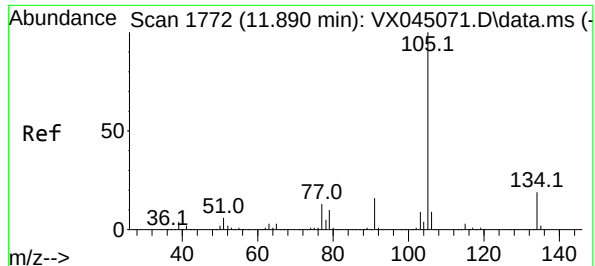
Tgt Ion:105 Resp: 249084

Ion Ratio Lower Upper

105 100

120 44.8 22.1 66.1





#85

sec-Butylbenzene

Concen: 53.135 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 31497

Ion Ratio Lower Upper

105 100

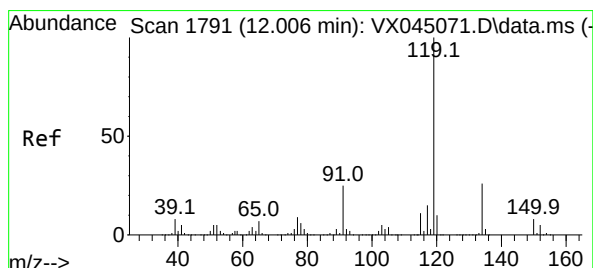
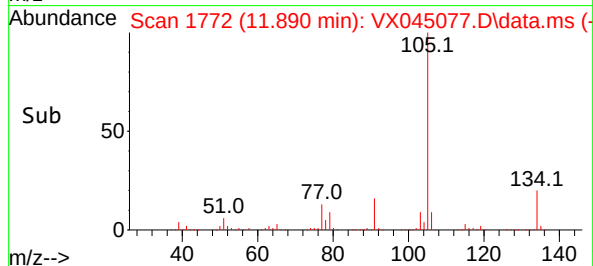
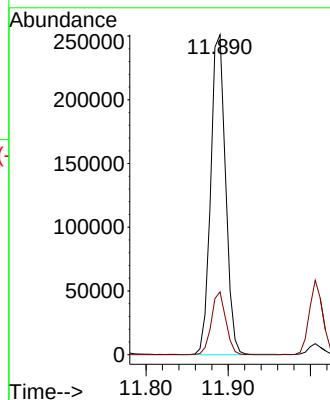
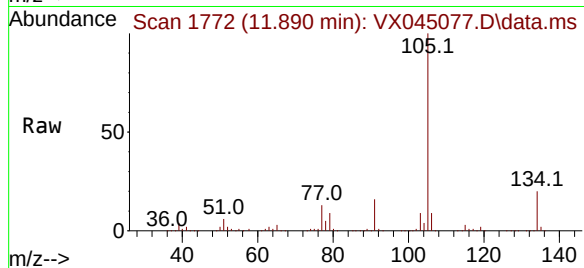
134 19.1 9.8 29.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#86

p-Isopropyltoluene

Concen: 53.578 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

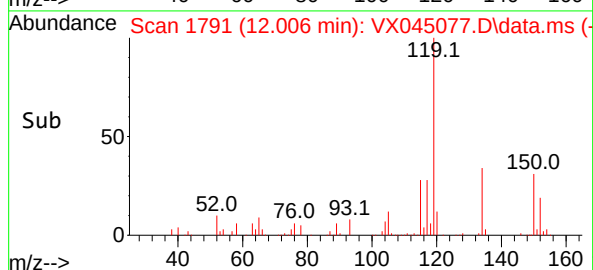
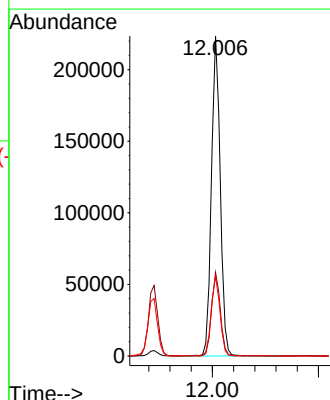
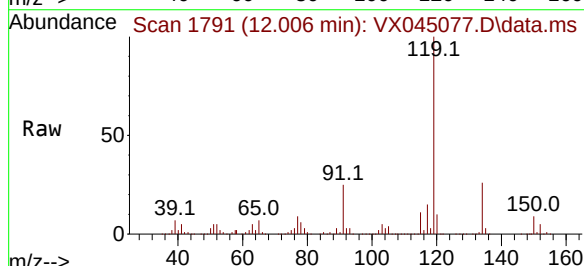
Tgt Ion:119 Resp: 256666

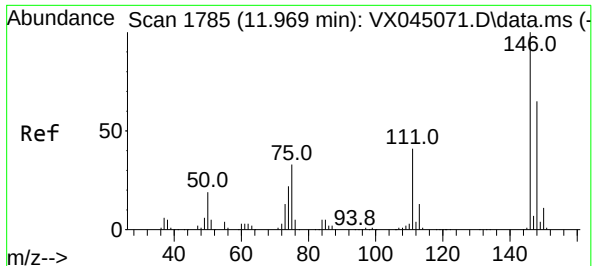
Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.6

91 24.9 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 50.525 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 12667

Ion Ratio Lower Upper

146 100

111 41.2 21.1 63.4

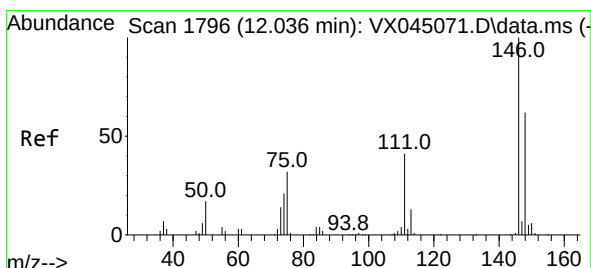
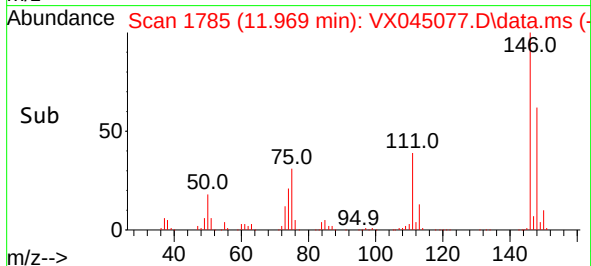
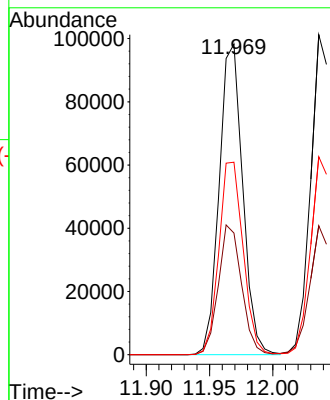
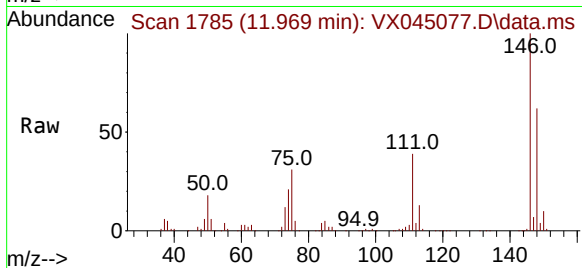
148 64.0 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#88

1,4-Dichlorobenzene

Concen: 49.736 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

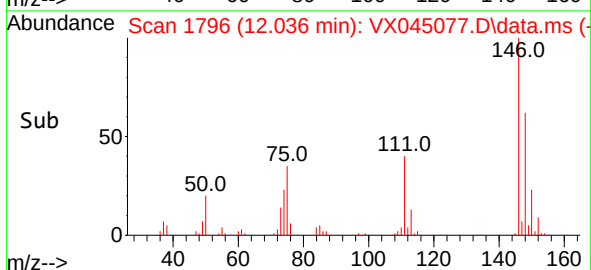
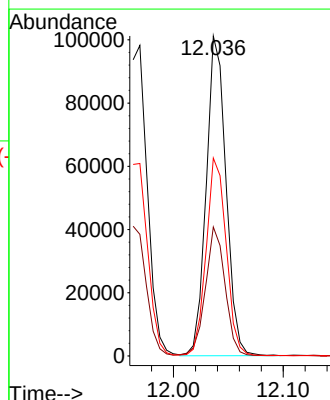
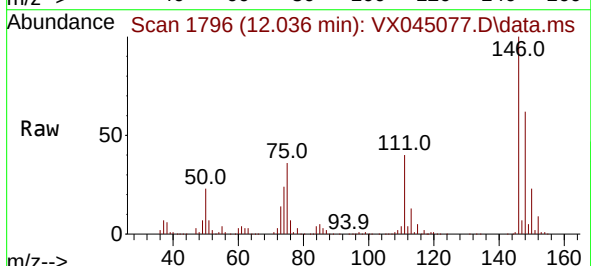
Tgt Ion:146 Resp: 126155

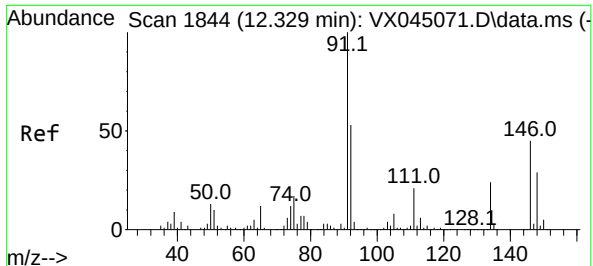
Ion Ratio Lower Upper

146 100

111 40.1 20.2 60.5

148 62.9 31.9 95.9





#89

n-Butylbenzene

Concen: 56.931 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 234890

Ion Ratio Lower Upper

91 100

92 53.5 26.7 80.0

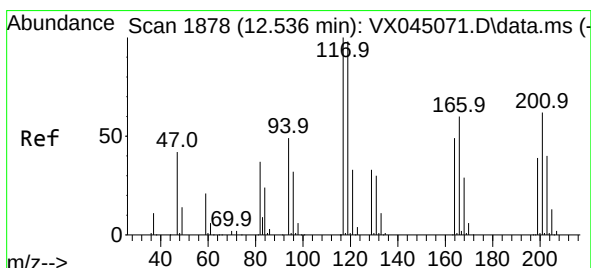
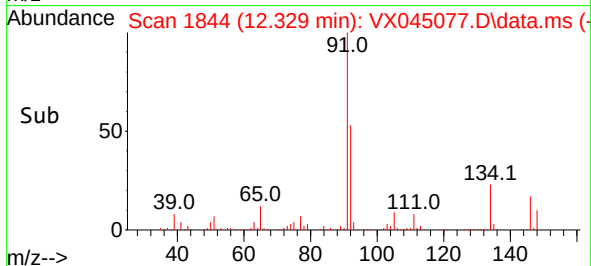
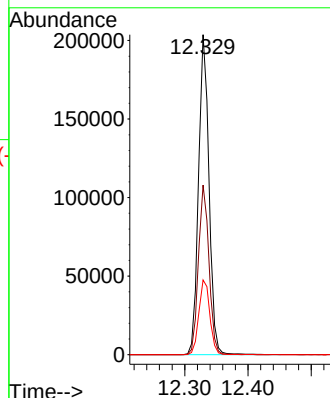
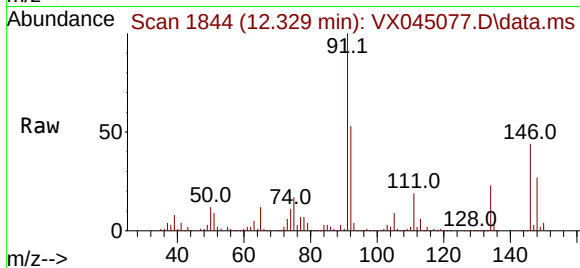
134 24.5 12.2 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#90

Hexachloroethane

Concen: 51.547 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX045077.D

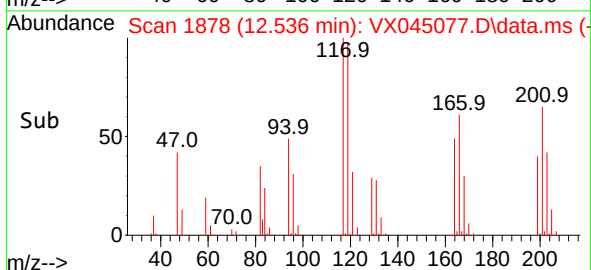
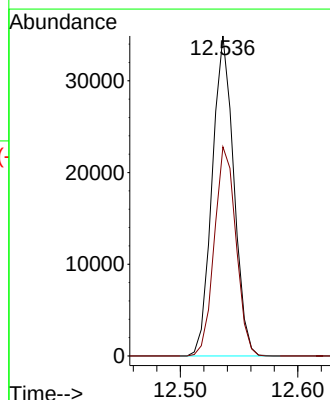
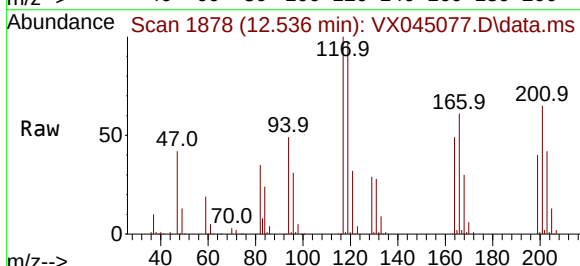
Acq: 28 Feb 2025 10:32

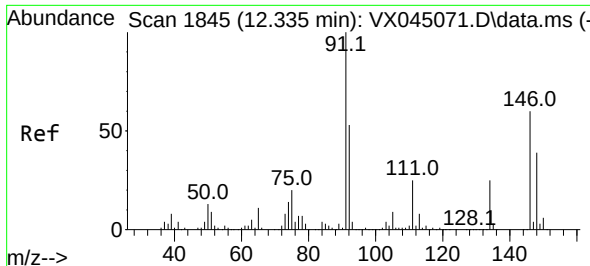
Tgt Ion:117 Resp: 44665

Ion Ratio Lower Upper

117 100

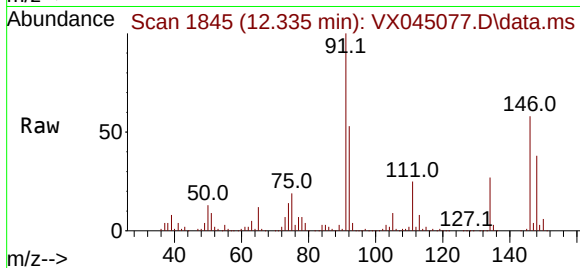
201 65.4 31.9 95.9





#91
1,2-Dichlorobenzene
Concen: 50.134 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

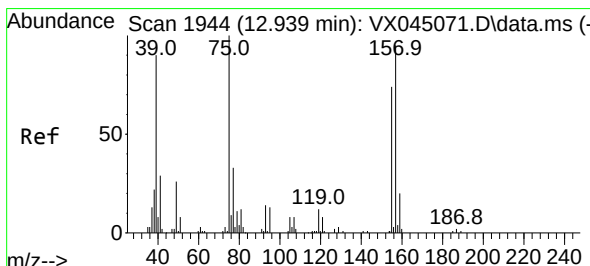
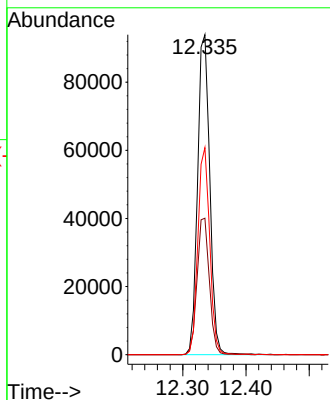
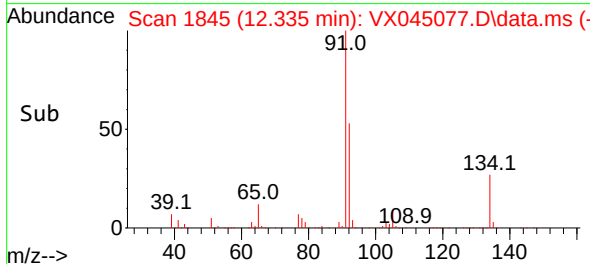
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:146 Resp: 126089
Ion Ratio Lower Upper
146 100
111 43.0 21.6 65.0
148 62.8 31.9 95.9

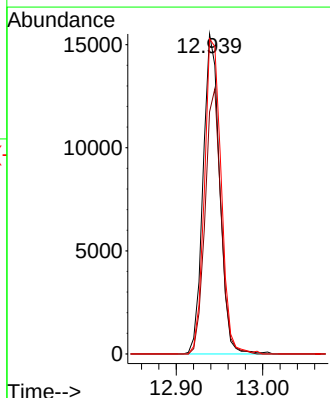
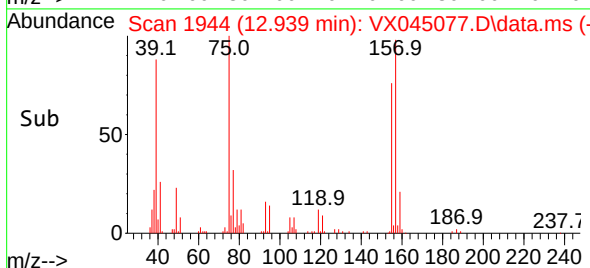
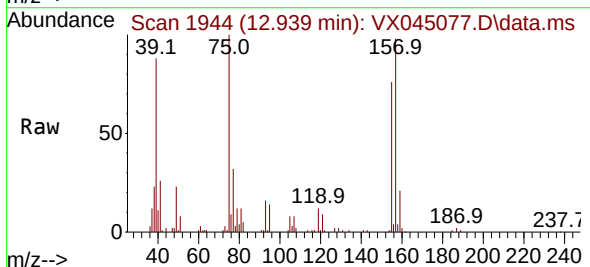
Manual Integrations
APPROVED

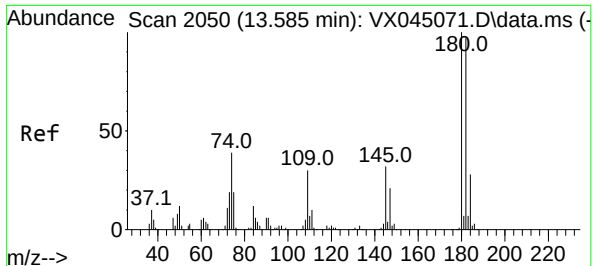
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 48.248 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 75 Resp: 20546
Ion Ratio Lower Upper
75 100
155 80.4 39.6 118.7
157 99.9 51.1 153.4





#93

1,2,4-Trichlorobenzene

Concen: 54.961 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

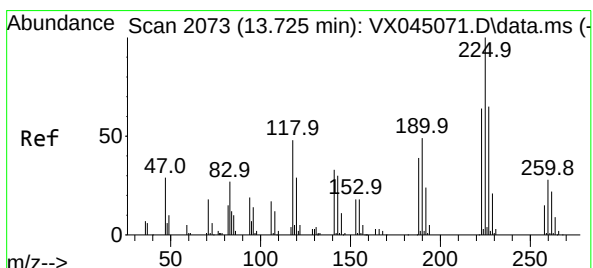
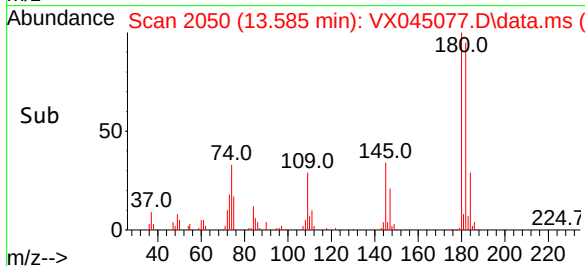
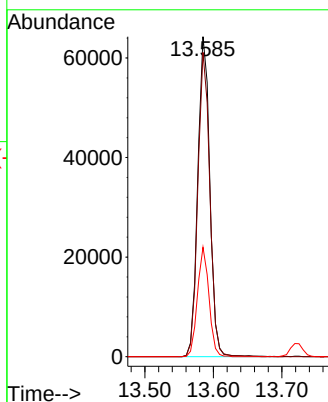
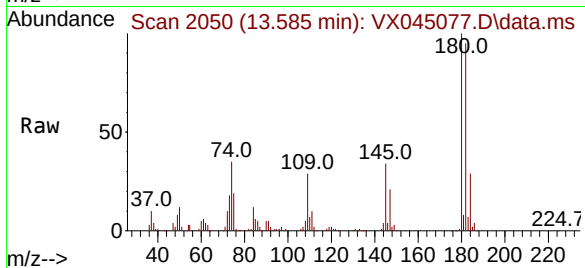
Tgt Ion:180	Resp:	78708
Ion Ratio	Lower	Upper
180	100	
182	94.8	47.3 141.9
145	32.7	16.3 48.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#94

Hexachlorobutadiene

Concen: 52.406 ug/l

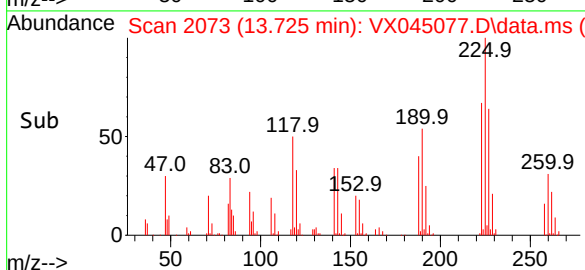
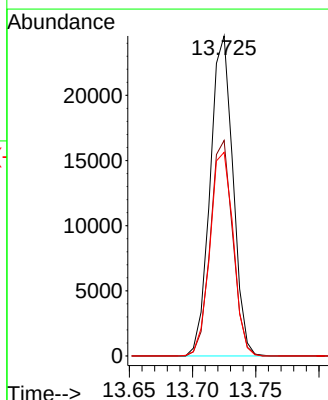
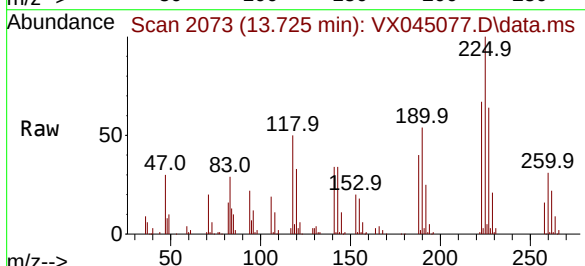
RT: 13.725 min Scan# 2073

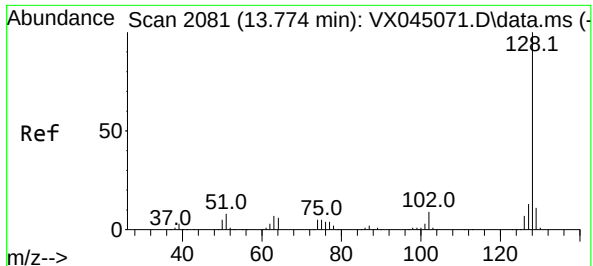
Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

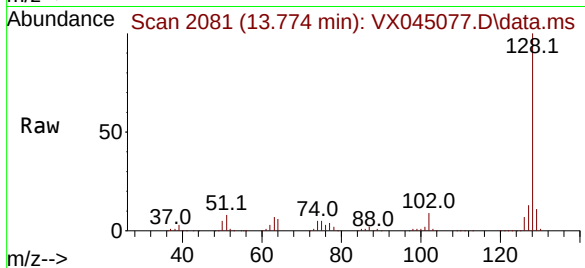
Tgt Ion:225	Resp:	30769
Ion Ratio	Lower	Upper
225	100	
223	66.2	31.9 95.7
227	65.1	31.4 94.0





#95
Naphthalene
Concen: 52.367 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

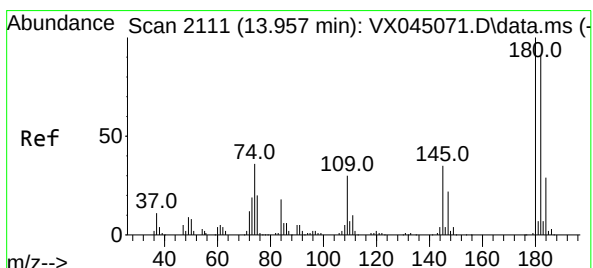
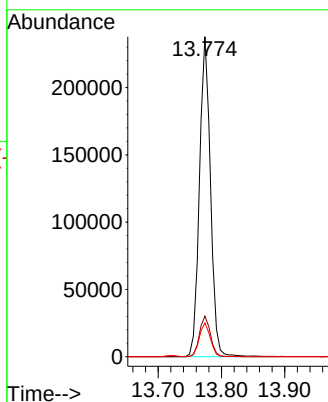
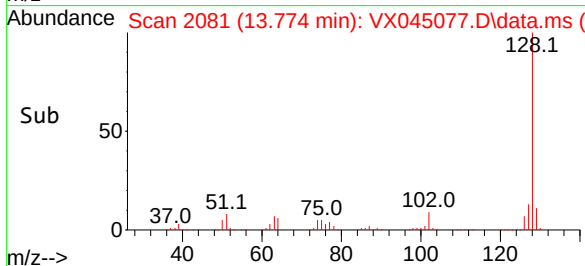
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



Tgt Ion:128 Resp: 288129
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.6 8.7 13.1

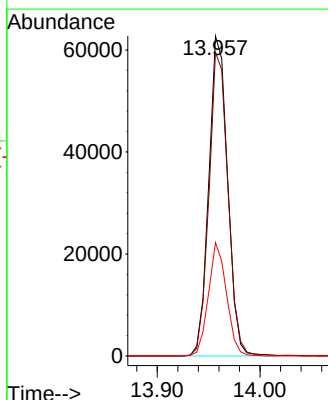
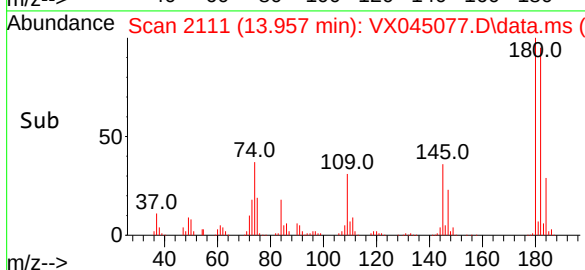
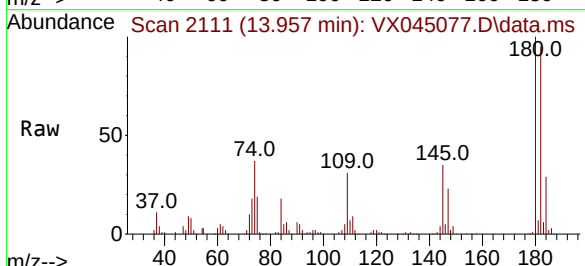
Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 52.796 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:180 Resp: 79762
Ion Ratio Lower Upper
180 100
182 95.9 47.5 142.6
145 34.1 17.0 50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045077.D
Acq On : 28 Feb 2025 10:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 14:27:49 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	108	-0.01
2 T	Dichlorodifluoromethane	0.629	0.632	-0.5	109	0.00
3 P	Chloromethane	0.770	0.741	3.8	107	0.00
4 C	Vinyl Chloride	0.764	0.729	4.6#	104	0.00
5 T	Bromomethane	0.300	0.282	6.0	105	0.00
6 T	Chloroethane	0.352	0.283	19.6	82	0.00
7 T	Trichlorofluoromethane	1.011	0.999	1.2	103	0.00
8 T	Diethyl Ether	0.396	0.363	8.3	102	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.581	0.595	-2.4	109	0.00
10 T	Methyl Iodide	0.726	0.682	6.1	96	0.00
11 T	Tert butyl alcohol	0.151	0.127	15.9	103	0.01
12 CM	1,1-Dichloroethene	0.614	0.584	4.9#	102	0.00
13 T	Acrolein	0.174	0.181	-4.0	113	0.00
14 T	Allyl chloride	1.094	1.083	1.0	106	0.00
15 T	Acrylonitrile	0.404	0.363	10.1	96	0.00
16 T	Acetone	0.369	0.312	15.4	96	0.00
17 T	Carbon Disulfide	1.636	1.571	4.0	103	0.00
18 T	Methyl Acetate	0.888	0.794	10.6	99	0.00
19 T	Methyl tert-butyl Ether	2.061	1.935	6.1	101	0.00
20 T	Methylene Chloride	0.731	0.667	8.8	104	0.00
21 T	trans-1,2-Dichloroethene	0.607	0.586	3.5	101	0.00
22 T	Diisopropyl ether	2.224	2.149	3.4	102	0.00
23 T	Vinyl Acetate	1.856	1.865	-0.5	103	0.00
24 P	1,1-Dichloroethane	1.247	1.167	6.4	102	0.00
25 T	2-Butanone	0.555	0.512	7.7	96	0.00
26 T	2,2-Dichloropropane	0.585	0.849	-45.1#	154#	0.00
27 T	cis-1,2-Dichloroethene	0.749	0.712	4.9	101	0.00
28 T	Bromochloromethane	0.594	0.552	7.1	99	0.00
29 T	Tetrahydrofuran	0.373	0.335	10.2	97	0.00
30 C	Chloroform	1.239	1.140	8.0#	99	0.00
31 T	Cyclohexane	1.082	1.078	0.4	106	0.00
32 T	1,1,1-Trichloroethane	1.000	0.948	5.2	100	0.00
33 S	1,2-Dichloroethane-d4	0.795	0.733	7.8	105	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35 S	Dibromofluoromethane	0.334	0.331	0.9	106	-0.01
36 T	1,1-Dichloropropene	0.459	0.452	1.5	102	0.00
37 T	Ethyl Acetate	0.591	0.563	4.7	98	0.00
38 T	Carbon Tetrachloride	0.465	0.459	1.3	104	0.00
39 T	Methylcyclohexane	0.549	0.617	-12.4	111	0.00
40 TM	Benzene	1.448	1.433	1.0	101	0.00
41 T	Methacrylonitrile	0.319	0.307	3.8	95	0.00
42 TM	1,2-Dichloroethane	0.521	0.494	5.2	99	0.00
43 T	Isopropyl Acetate	0.874	0.876	-0.2	99	0.00
44 TM	Trichloroethene	0.340	0.328	3.5	101	0.00
45 C	1,2-Dichloropropane	0.372	0.358	3.8#	102	0.00
46 T	Dibromomethane	0.263	0.259	1.5	102	0.00
47 T	Bromodichloromethane	0.516	0.508	1.6	102	0.00
48 T	Methyl methacrylate	0.438	0.439	-0.2	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045077.D
Acq On : 28 Feb 2025 10:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 14:27:49 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	95	0.00
50 S	Toluene-d8	1.212	1.209	0.2	105	0.00
51 T	4-Methyl-2-Pentanone	0.587	0.565	3.7	98	0.00
52 CM	Toluene	0.849	0.870	-2.5#	102	0.00
53 T	t-1,3-Dichloropropene	0.431	0.483	-12.1	109	0.00
54 T	cis-1,3-Dichloropropene	0.503	0.551	-9.5	109	0.00
55 T	1,1,2-Trichloroethane	0.350	0.330	5.7	98	0.00
56 T	Ethyl methacrylate	0.532	0.548	-3.0	101	0.00
57 T	1,3-Dichloropropane	0.605	0.588	2.8	100	0.00
58 T	2-Chloroethyl Vinyl ether	0.259	0.279	-7.7	103	0.00
59 T	2-Hexanone	0.425	0.411	3.3	97	0.00
60 T	Dibromochloromethane	0.366	0.367	-0.3	101	0.00
61 T	1,2-Dibromoethane	0.349	0.342	2.0	101	0.00
62 S	4-Bromofluorobenzene	0.402	0.404	-0.5	106	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	106	0.00
64 T	Tetrachloroethene	0.320	0.319	0.3	105	0.00
65 PM	Chlorobenzene	1.058	1.039	1.8	101	0.00
66 T	1,1,1,2-Tetrachloroethane	0.352	0.344	2.3	103	0.00
67 C	Ethyl Benzene	1.843	1.879	-2.0#	102	0.00
68 T	m/p-Xylenes	0.675	0.694	-2.8	102	0.00
69 T	o-Xylene	0.681	0.685	-0.6	103	0.00
70 T	Styrene	1.101	1.143	-3.8	103	0.00
71 P	Bromoform	0.266	0.268	-0.8	103	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
73 T	Isopropylbenzene	3.903	3.973	-1.8	103	0.00
74 T	N-amyl acetate	1.831	1.902	-3.9	103	0.00
75 P	1,1,2,2-Tetrachloroethane	1.432	1.334	6.8	101	0.00
76 T	1,2,3-Trichloropropane	1.164	1.092	6.2	102	0.00
77 T	Bromobenzene	0.921	0.915	0.7	104	0.00
78 T	n-propylbenzene	4.409	4.642	-5.3	103	0.00
79 T	2-Chlorotoluene	2.808	2.748	2.1	103	0.00
80 T	1,3,5-Trimethylbenzene	3.156	3.243	-2.8	103	0.00
81 T	trans-1,4-Dichloro-2-butene	0.340	0.373	-9.7	118	0.00
82 T	4-Chlorotoluene	3.060	3.080	-0.7	102	0.00
83 T	tert-Butylbenzene	3.242	3.269	-0.8	104	0.00
84 T	1,2,4-Trimethylbenzene	3.175	3.264	-2.8	103	0.00
85 T	sec-Butylbenzene	3.884	4.127	-6.3	105	0.00
86 T	p-Isopropyltoluene	3.139	3.363	-7.1	105	0.00
87 T	1,3-Dichlorobenzene	1.643	1.660	-1.0	107	0.00
88 T	1,4-Dichlorobenzene	1.662	1.653	0.5	105	0.00
89 T	n-Butylbenzene	2.703	3.078	-13.9	109	0.00
90 T	Hexachloroethane	0.568	0.585	-3.0	104	0.00
91 T	1,2-Dichlorobenzene	1.648	1.652	-0.2	106	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.279	0.269	3.6	100	0.00
93 T	1,2,4-Trichlorobenzene	0.938	1.031	-9.9	109	0.00
94 T	Hexachlorobutadiene	0.385	0.403	-4.7	110	0.00
95 T	Naphthalene	3.605	3.776	-4.7	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045077.D
Acq On : 28 Feb 2025 10:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 14:27:49 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	1.045	-5.6	106	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045077.D
Acq On : 28 Feb 2025 10:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 14:27:49 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	108	-0.01
2 T	Dichlorodifluoromethane	50.000	50.185	-0.4	109	0.00
3 P	Chloromethane	50.000	48.123	3.8	107	0.00
4 C	Vinyl Chloride	50.000	47.712	4.6#	104	0.00
5 T	Bromomethane	50.000	46.959	6.1	105	0.00
6 T	Chloroethane	50.000	40.092	19.8	82	0.00
7 T	Trichlorofluoromethane	50.000	49.383	1.2	103	0.00
8 T	Diethyl Ether	50.000	45.828	8.3	102	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	51.199	-2.4	109	0.00
10 T	Methyl Iodide	50.000	46.970	6.1	96	0.00
11 T	Tert butyl alcohol	250.000	211.016	15.6	103	0.01
12 CM	1,1-Dichloroethene	50.000	47.513	5.0#	102	0.00
13 T	Acrolein	250.000	260.033	-4.0	113	0.00
14 T	Allyl chloride	50.000	49.523	1.0	106	0.00
15 T	Acrylonitrile	250.000	224.925	10.0	96	0.00
16 T	Acetone	250.000	211.319	15.5	96	0.00
17 T	Carbon Disulfide	50.000	48.016	4.0	103	0.00
18 T	Methyl Acetate	50.000	44.725	10.5	99	0.00
19 T	Methyl tert-butyl Ether	50.000	46.929	6.1	101	0.00
20 T	Methylene Chloride	50.000	45.613	8.8	104	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.249	3.5	101	0.00
22 T	Diisopropyl ether	50.000	48.301	3.4	102	0.00
23 T	Vinyl Acetate	250.000	251.185	-0.5	103	0.00
24 P	1,1-Dichloroethane	50.000	46.825	6.3	102	0.00
25 T	2-Butanone	250.000	230.258	7.9	96	0.00
26 T	2,2-Dichloropropane	50.000	72.639	-45.3#	154	0.00
27 T	cis-1,2-Dichloroethene	50.000	47.500	5.0	101	0.00
28 T	Bromochloromethane	50.000	46.457	7.1	99	0.00
29 T	Tetrahydrofuran	250.000	224.369	10.3	97	0.00
30 C	Chloroform	50.000	46.017	8.0#	99	0.00
31 T	Cyclohexane	50.000	49.820	0.4	106	0.00
32 T	1,1,1-Trichloroethane	50.000	47.389	5.2	100	0.00
33 S	1,2-Dichloroethane-d4	50.000	46.113	7.8	105	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35 S	Dibromofluoromethane	50.000	49.532	0.9	106	-0.01
36 T	1,1-Dichloropropene	50.000	49.241	1.5	102	0.00
37 T	Ethyl Acetate	50.000	47.651	4.7	98	0.00
38 T	Carbon Tetrachloride	50.000	49.318	1.4	104	0.00
39 T	Methylcyclohexane	50.000	56.161	-12.3	111	0.00
40 TM	Benzene	50.000	49.480	1.0	101	0.00
41 T	Methacrylonitrile	50.000	48.126	3.7	95	0.00
42 TM	1,2-Dichloroethane	50.000	47.405	5.2	99	0.00
43 T	Isopropyl Acetate	50.000	50.139	-0.3	99	0.00
44 TM	Trichloroethene	50.000	48.221	3.6	101	0.00
45 C	1,2-Dichloropropane	50.000	48.028	3.9#	102	0.00
46 T	Dibromomethane	50.000	49.300	1.4	102	0.00
47 T	Bromodichloromethane	50.000	49.243	1.5	102	0.00
48 T	Methyl methacrylate	50.000	50.032	-0.1	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045077.D
Acq On : 28 Feb 2025 10:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 14:27:49 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	912.798	8.7	95	0.00
50 S	Toluene-d8	50.000	49.853	0.3	105	0.00
51 T	4-Methyl-2-Pentanone	250.000	240.651	3.7	98	0.00
52 CM	Toluene	50.000	51.187	-2.4#	102	0.00
53 T	t-1,3-Dichloropropene	50.000	55.975	-12.0	109	0.00
54 T	cis-1,3-Dichloropropene	50.000	54.755	-9.5	109	0.00
55 T	1,1,2-Trichloroethane	50.000	47.245	5.5	98	0.00
56 T	Ethyl methacrylate	50.000	51.537	-3.1	101	0.00
57 T	1,3-Dichloropropane	50.000	48.576	2.8	100	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	268.530	-7.4	103	0.00
59 T	2-Hexanone	250.000	241.811	3.3	97	0.00
60 T	Dibromochloromethane	50.000	50.220	-0.4	101	0.00
61 T	1,2-Dibromoethane	50.000	48.992	2.0	101	0.00
62 S	4-Bromofluorobenzene	50.000	50.332	-0.7	106	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	106	0.00
64 T	Tetrachloroethene	50.000	49.741	0.5	105	0.00
65 PM	Chlorobenzene	50.000	49.093	1.8	101	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	48.762	2.5	103	0.00
67 C	Ethyl Benzene	50.000	50.959	-1.9#	102	0.00
68 T	m/p-Xylenes	100.000	102.789	-2.8	102	0.00
69 T	o-Xylene	50.000	50.318	-0.6	103	0.00
70 T	Styrene	50.000	51.891	-3.8	103	0.00
71 P	Bromoform	50.000	50.513	-1.0	103	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	107	0.00
73 T	Isopropylbenzene	50.000	50.901	-1.8	103	0.00
74 T	N-ethyl acetate	50.000	51.942	-3.9	103	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	46.579	6.8	101	0.00
76 T	1,2,3-Trichloropropane	50.000	46.931	6.1	102	0.00
77 T	Bromobenzene	50.000	49.698	0.6	104	0.00
78 T	n-propylbenzene	50.000	52.644	-5.3	103	0.00
79 T	2-Chlorotoluene	50.000	48.935	2.1	103	0.00
80 T	1,3,5-Trimethylbenzene	50.000	51.381	-2.8	103	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	54.791	-9.6	118	0.00
82 T	4-Chlorotoluene	50.000	50.324	-0.6	102	0.00
83 T	tert-Butylbenzene	50.000	50.405	-0.8	104	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.398	-2.8	103	0.00
85 T	sec-Butylbenzene	50.000	53.135	-6.3	105	0.00
86 T	p-Isopropyltoluene	50.000	53.578	-7.2	105	0.00
87 T	1,3-Dichlorobenzene	50.000	50.525	-1.0	107	0.00
88 T	1,4-Dichlorobenzene	50.000	49.736	0.5	105	0.00
89 T	n-Butylbenzene	50.000	56.931	-13.9	109	0.00
90 T	Hexachloroethane	50.000	51.547	-3.1	104	0.00
91 T	1,2-Dichlorobenzene	50.000	50.134	-0.3	106	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	48.248	3.5	100	0.00
93 T	1,2,4-Trichlorobenzene	50.000	54.961	-9.9	109	0.00
94 T	Hexachlorobutadiene	50.000	52.406	-4.8	110	0.00
95 T	Naphthalene	50.000	52.367	-4.7	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045077.D
Acq On : 28 Feb 2025 10:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 14:27:49 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	52.796	-5.6	106	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: TETR06

Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG No.: Q1423

Instrument ID: MSVOA_X Calibration Date/Time: 02/28/2025 18:50

Lab File ID: VX045098.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
Chloromethane	0.770	0.696	0.1	-9.61	50
Vinyl Chloride	0.764	0.736		-3.66	50
Bromomethane	0.300	0.261		-13	50
Chloroethane	0.352	0.305		-13.35	50
Trichlorofluoromethane	1.012	0.992		-1.98	50
1,1,2-Trichlorotrifluoroethane	0.581	0.602		3.61	50
1,1-Dichloroethene	0.614	0.600		-2.28	50
Acetone	0.369	0.330		-10.57	50
Carbon Disulfide	1.636	1.572		-3.91	50
Methyl tert-butyl Ether	2.061	2.046		-0.73	50
Methylene Chloride	0.731	0.691		-5.47	50
trans-1,2-Dichloroethene	0.607	0.624		2.8	50
1,1-Dichloroethane	1.247	1.237	0.1	-0.8	50
2-Butanone	0.555	0.536		-3.42	50
Carbon Tetrachloride	0.465	0.475		2.15	50
cis-1,2-Dichloroethene	0.749	0.756		0.94	50
Chloroform	1.239	1.219		-1.61	50
1,1,1-Trichloroethane	1.000	1.013		1.3	50
Methylcyclohexane	0.549	0.612		11.48	50
Benzene	1.448	1.471		1.59	50
1,2-Dichloroethane	0.521	0.520		-0.19	50
Trichloroethene	0.340	0.344		1.18	50
1,2-Dichloropropane	0.372	0.372		0	50
Bromodichloromethane	0.516	0.518		0.39	50
4-Methyl-2-Pentanone	0.587	0.582		-0.85	50
Toluene	0.849	0.879		3.53	50
t-1,3-Dichloropropene	0.431	0.460		6.73	50
cis-1,3-Dichloropropene	0.503	0.536		6.56	50
1,1,2-Trichloroethane	0.350	0.342		-2.29	50
2-Hexanone	0.425	0.430		1.18	50
Dibromochloromethane	0.366	0.364		-0.55	50
Tetrachloroethene	0.320	0.334		4.38	50
Chlorobenzene	1.058	1.084	0.3	2.46	50
Ethyl Benzene	1.843	1.942		5.37	50
m/p-Xylenes	0.675	0.717		6.22	50
o-Xylene	0.681	0.694		1.91	50
Styrene	1.101	1.166		5.9	50
Bromoform	0.266	0.275	0.1	3.38	50

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: TETR06

Lab Code: CHEM Case No.: Q1423 SAS No.: Q1423 SDG No.: Q1423

Instrument ID: MSVOA_X Calibration Date/Time: 02/28/2025 18:50

Lab File ID: VX045098.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
Isopropylbenzene	3.903	4.046		3.66	50
1,1,2,2-Tetrachloroethane	1.432	1.422	0.3	-0.7	50
1,3-Dichlorobenzene	1.643	1.677		2.07	50
1,4-Dichlorobenzene	1.662	1.661		-0.06	50
1,2-Dichlorobenzene	1.648	1.681		2	50
1,2-Dichloroethane-d4	0.795	0.780		-1.89	50
Dibromofluoromethane	0.334	0.338		1.2	50
Toluene-d8	1.212	1.211		-0.08	50
4-Bromofluorobenzene	0.402	0.392		-2.49	50

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\VX022825\
 Data File : VX045098.D
 Acq On : 28 Feb 2025 18:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By : John Carlone 03/03/2025
 Supervised By : Mahesh Dadoda 03/03/2025

Quant Time: Feb 28 23:12:43 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	101733	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181021	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151837	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79368	49.047	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.100%		
35) Dibromofluoromethane	5.379	113	61111	50.487	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.980%		
50) Toluene-d8	8.647	98	219202	49.952	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.900%		
62) 4-Bromofluorobenzene	11.079	95	71007	48.831	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	61893	48.332	ug/l	96
3) Chloromethane	1.307	50	70827	45.195	ug/l	96
4) Vinyl Chloride	1.374	62	74859	48.152	ug/l	96
5) Bromomethane	1.593	94	26503	43.366	ug/l	99
6) Chloroethane	1.660	64	31071	43.329	ug/l	96
7) Trichlorofluoromethane	1.861	101	100933	49.043	ug/l	98
8) Diethyl Ether	2.136	74	38500	47.827	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	61197	51.757	ug/l	100
10) Methyl Iodide	2.441	142	77481	52.436	ug/l	97
11) Tert butyl alcohol	3.001	59	58663	191.387	ug/l	99
12) 1,1-Dichloroethene	2.306	96	61068	48.851	ug/l	96
13) Acrolein	2.239	56	92932	262.281	ug/l	100
14) Allyl chloride	2.654	41	112846	50.713	ug/l	99
15) Acrylonitrile	3.068	53	194959	237.322	ug/l	99
16) Acetone	2.392	43	167728	223.399	ug/l	99
17) Carbon Disulfide	2.495	76	159949	48.039	ug/l	98
18) Methyl Acetate	2.709	43	86076	47.656	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	208116	49.622	ug/l	99
20) Methylene Chloride	2.782	84	70283	47.257	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	63435	51.365	ug/l	96
22) Diisopropyl ether	3.763	45	230741	50.987	ug/l	96
23) Vinyl Acetate	3.721	43	981372	259.857	ug/l	99
24) 1,1-Dichloroethane	3.605	63	125852	49.621	ug/l	99
25) 2-Butanone	4.562	43	272874	241.451	ug/l	100
26) 2,2-Dichloropropane	4.465	77	74982	63.029	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	76889	50.434	ug/l	98
28) Bromochloromethane	4.891	49	60168	49.771	ug/l	99
29) Tetrahydrofuran	5.007	42	180661	238.042	ug/l	100
30) Chloroform	5.086	83	123972	49.194	ug/l	96
31) Cyclohexane	5.464	56	113565	51.583	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	103034	50.622	ug/l	99
36) 1,1-Dichloropropene	5.684	75	84609	50.969	ug/l	99
37) Ethyl Acetate	4.721	43	103765	48.511	ug/l	99
38) Carbon Tetrachloride	5.672	117	85957	51.004	ug/l	96
39) Methylcyclohexane	7.373	83	110750	55.680	ug/l	99
40) Benzene	6.031	78	266243	50.791	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045098.D
 Acq On : 28 Feb 2025 18:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By : John Carlone 03/03/2025
 Supervised By : Mahesh Dadoda 03/03/2025

Quant Time: Feb 28 23:12:43 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	58866	50.896	ug/l	99
42) 1,2-Dichloroethane	6.086	62	94209	49.909	ug/l	100
43) Isopropyl Acetate	6.342	43	161644	51.105	ug/l	100
44) Trichloroethene	7.123	130	62206	50.539	ug/l	96
45) 1,2-Dichloropropane	7.427	63	67418	50.023	ug/l	98
46) Dibromomethane	7.580	93	48257	50.658	ug/l	100
47) Bromodichloromethane	7.818	83	93700	50.147	ug/l	99
48) Methyl methacrylate	7.690	41	79010	49.791	ug/l	99
49) 1,4-Dioxane	7.665	88	31583	943.544	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	527009	248.148	ug/l	100
52) Toluene	8.714	92	159122	51.738	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	83188	53.255	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	97016	53.261	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	61955	48.933	ug/l	98
56) Ethyl methacrylate	9.116	69	97958	50.898	ug/l	99
57) 1,3-Dichloropropane	9.305	76	107915	49.251	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	251496	267.883	ug/l	99
59) 2-Hexanone	9.433	43	389623	253.206	ug/l	100
60) Dibromochloromethane	9.519	129	65842	49.736	ug/l	99
61) 1,2-Dibromoethane	9.610	107	62692	49.600	ug/l	97
64) Tetrachloroethene	9.269	164	50788	52.227	ug/l	96
65) Chlorobenzene	10.079	112	164623	51.239	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	53906	50.382	ug/l	99
67) Ethyl Benzene	10.189	91	294898	52.678	ug/l	99
68) m/p-Xylenes	10.299	106	217787	106.271	ug/l	100
69) o-Xylene	10.640	106	105354	50.972	ug/l	100
70) Styrene	10.652	104	177099	52.954	ug/l	100
71) Bromoform	10.799	173	41684	51.664	ug/l #	98
73) Isopropylbenzene	10.957	105	274956	51.833	ug/l	100
74) N-amyl acetate	10.841	43	132916	53.399	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	96646	49.649	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	76731m	48.508	ug/l	
77) Bromobenzene	11.195	156	62546	49.973	ug/l	100
78) n-propylbenzene	11.299	91	316831	52.873	ug/l	100
79) 2-Chlorotoluene	11.360	91	189914	49.764	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	221858	51.725	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	22598	48.890	ug/l	95
82) 4-Chlorotoluene	11.451	91	213820	51.409	ug/l	100
83) tert-Butylbenzene	11.713	119	222604	50.511	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	226285	52.432	ug/l	100
85) sec-Butylbenzene	11.890	105	280591	53.152	ug/l	99
86) p-Isopropyltoluene	12.006	119	227625	53.355	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	113992	51.054	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	112871	49.967	ug/l	99
89) n-Butylbenzene	12.329	91	202412	55.087	ug/l	99
90) Hexachloroethane	12.536	117	39104	50.675	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	114225	50.999	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19590	51.657	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	69773	54.709	ug/l	99
94) Hexachlorobutadiene	13.725	225	27166	51.956	ug/l	99
95) Naphthalene	13.774	128	267416	54.575	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	72423	53.829	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045098.D
Acq On : 28 Feb 2025 18:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

Quant Time: Feb 28 23:12:43 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)
----------	------	------	----------	------	-------	----------

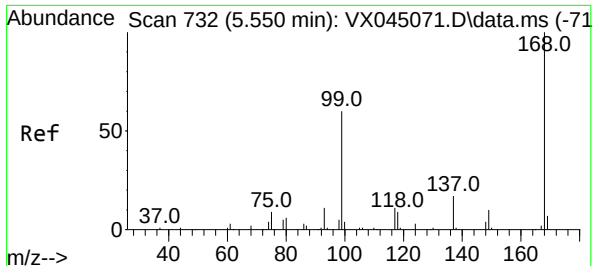
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025





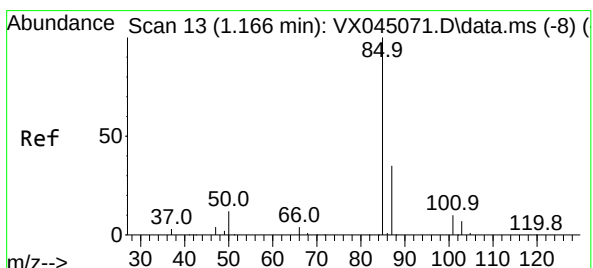
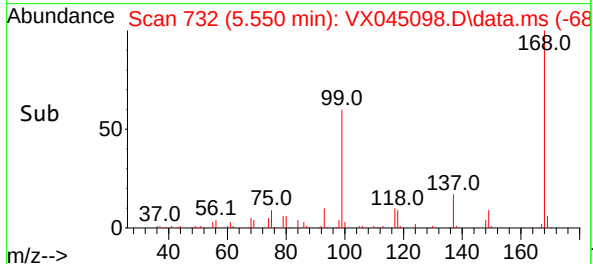
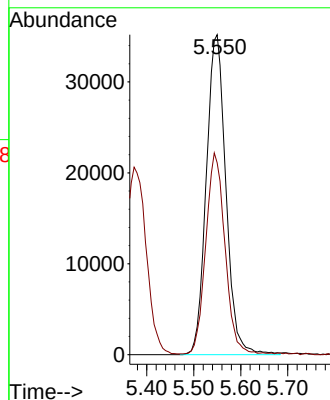
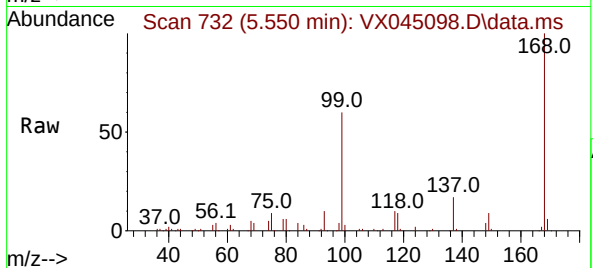
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 10173
Ion Ratio Lower Upper
168 100
99 59.7 48.2 72.4

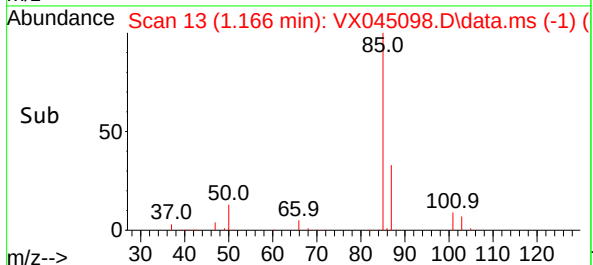
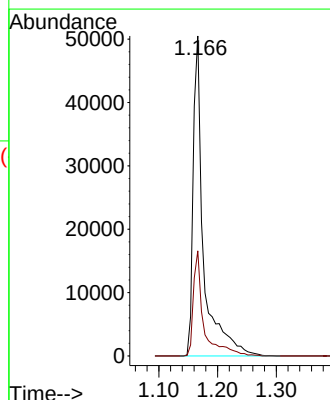
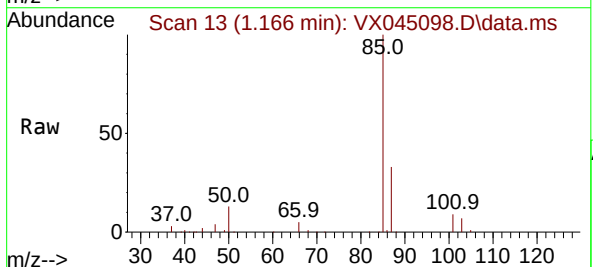
Manual Integrations
APPROVED

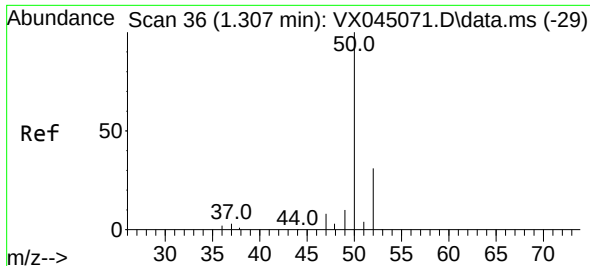
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#2
Dichlorodifluoromethane
Concen: 48.332 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 85 Resp: 61893
Ion Ratio Lower Upper
85 100
87 32.9 17.4 52.3





#3

Chloromethane

Concen: 45.195 ug/l

RT: 1.307 min Scan# 30

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 7082

Ion Ratio Lower Upper

50 100

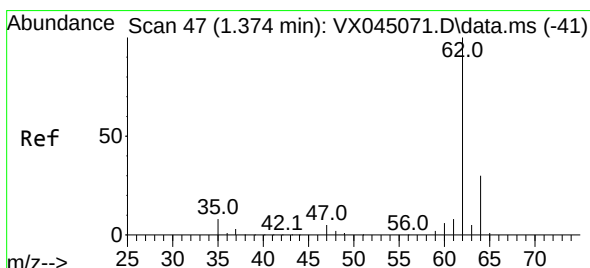
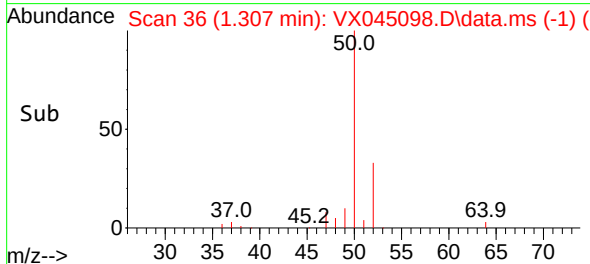
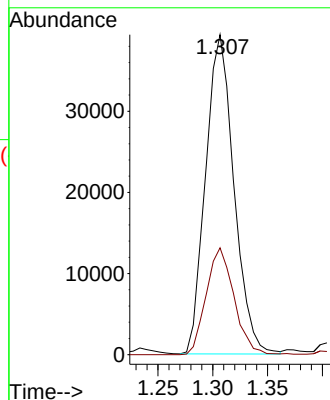
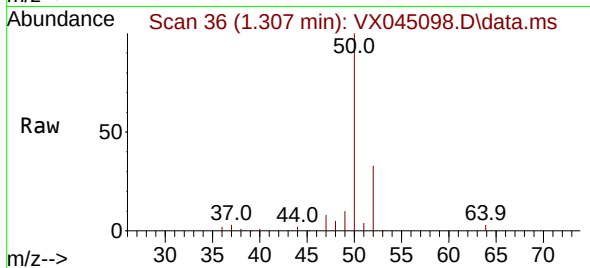
52 33.5 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#4

Vinyl Chloride

Concen: 48.152 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX045098.D

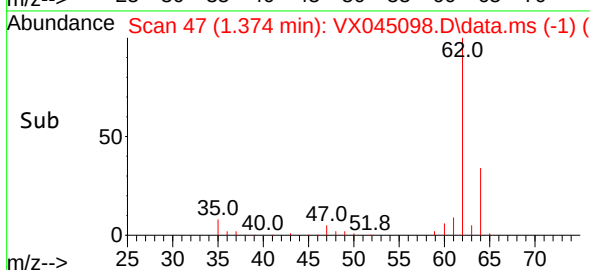
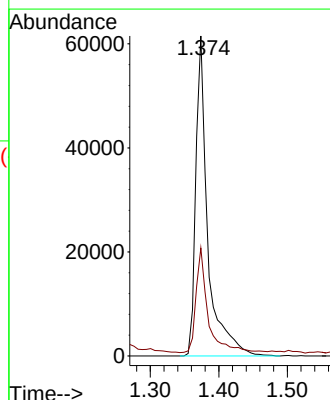
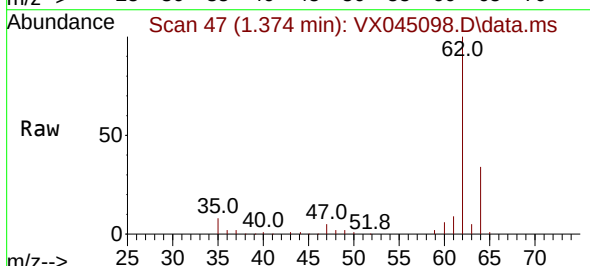
Acq: 28 Feb 2025 18:50

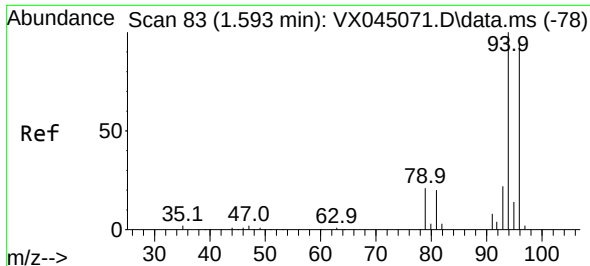
Tgt Ion: 62 Resp: 74859

Ion Ratio Lower Upper

62 100

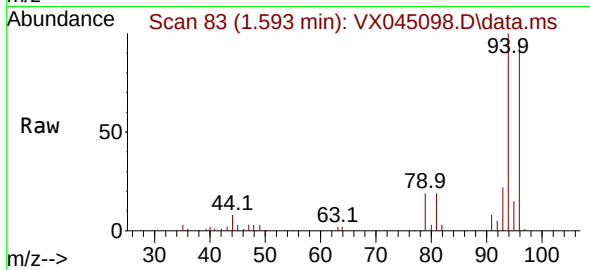
64 32.7 24.3 36.5





#5
Bromomethane
Concen: 43.366 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

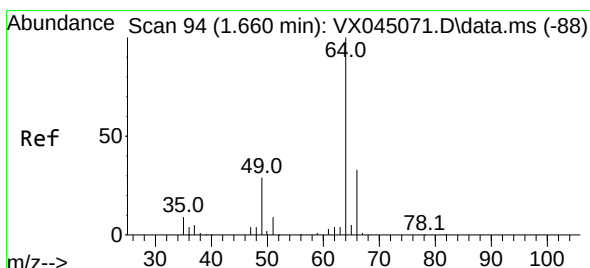
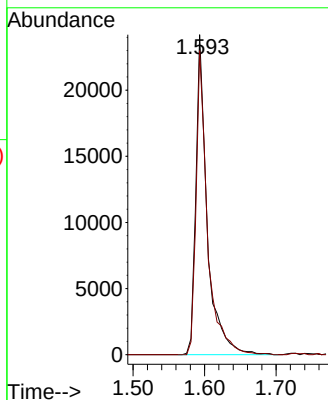
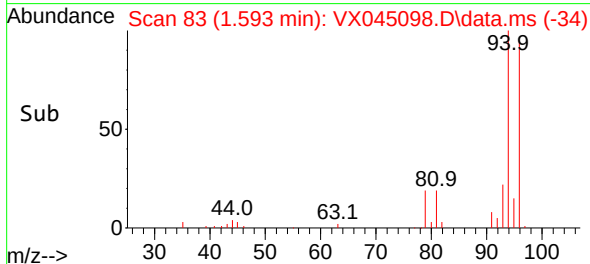
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion: 94 Resp: 2650
Ion Ratio Lower Upper
94 100
96 95.0 75.0 112.4

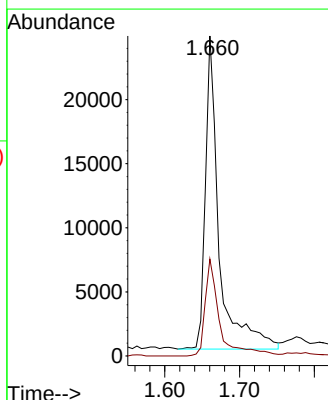
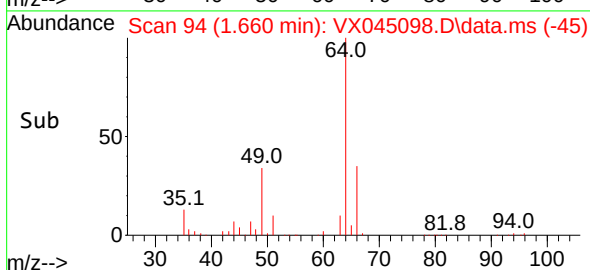
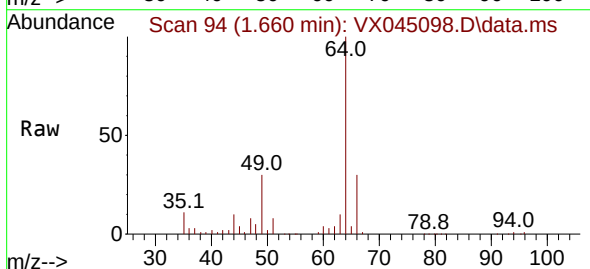
Manual Integrations
APPROVED

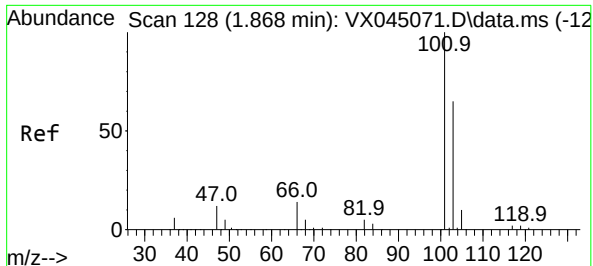
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#6
Chloroethane
Concen: 43.329 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

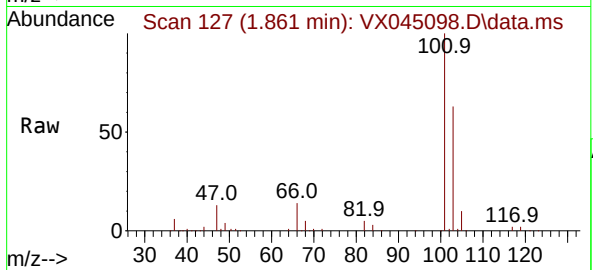
Tgt Ion: 64 Resp: 31071
Ion Ratio Lower Upper
64 100
66 31.0 26.7 40.1





#7
Trichlorofluoromethane
Concen: 49.043 ug/l
RT: 1.861 min Scan# 101
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

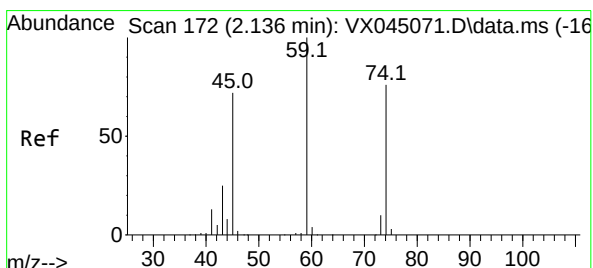
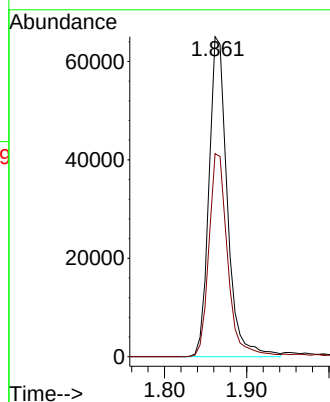
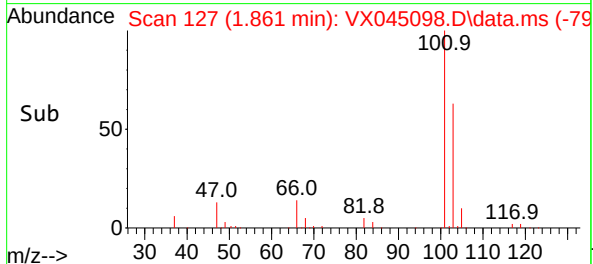
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



Tgt Ion:101 Resp: 10093
Ion Ratio Lower Upper
101 100
103 63.5 52.1 78.1

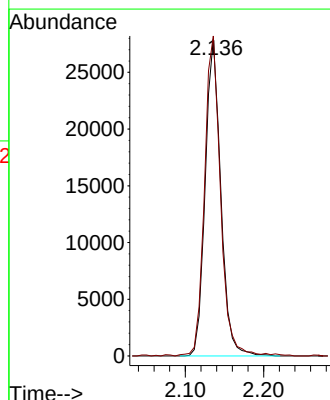
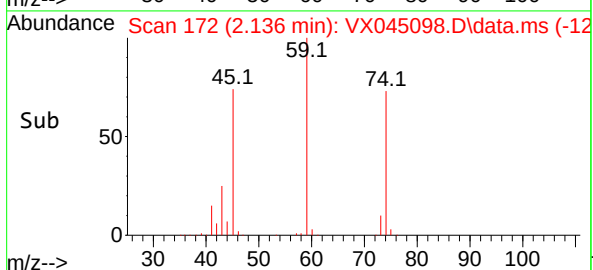
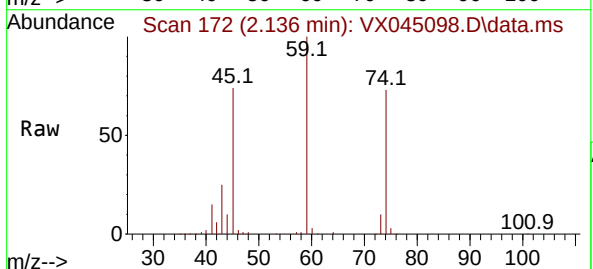
Manual Integrations
APPROVED

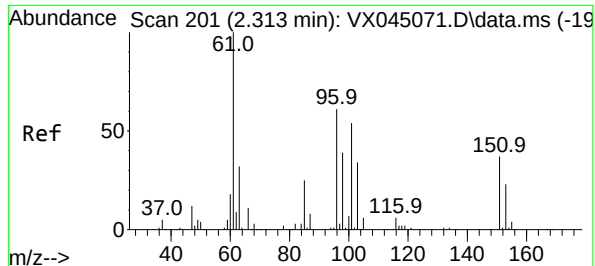
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#8
Diethyl Ether
Concen: 47.827 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 74 Resp: 38500
Ion Ratio Lower Upper
74 100
45 103.2 51.5 154.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.757 ug/l

RT: 2.313 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

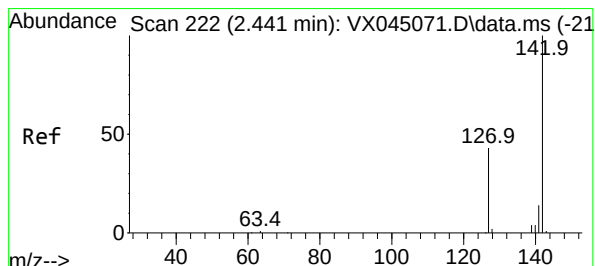
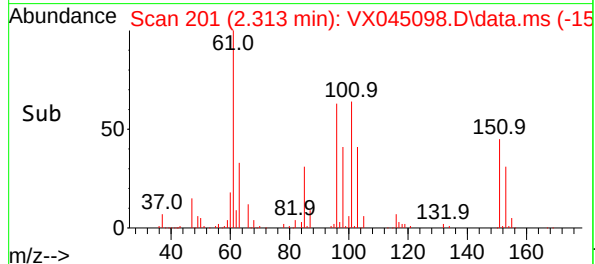
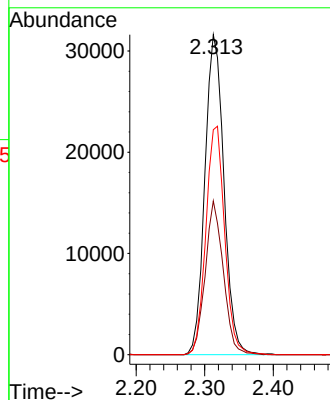
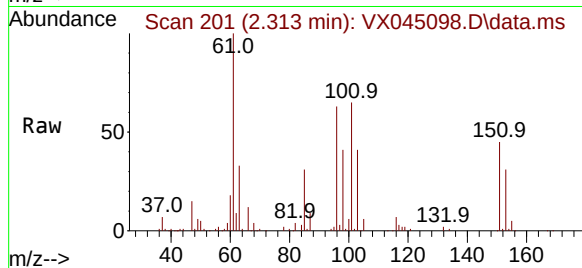
Tgt Ion:	101	Resp:	6119
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.2	54.4
151	70.5	56.4	84.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#10

Methyl Iodide

Concen: 52.436 ug/l

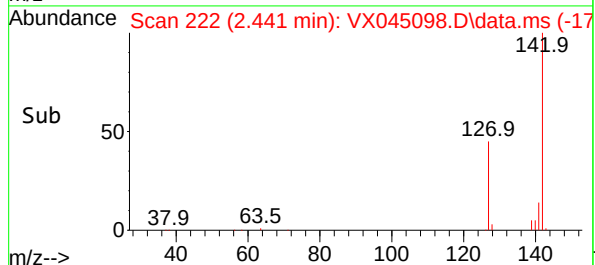
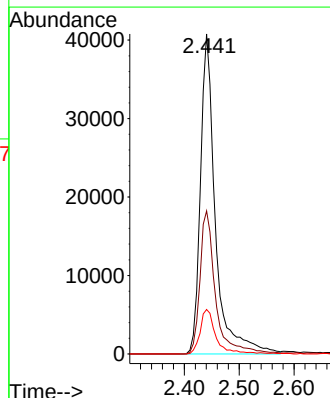
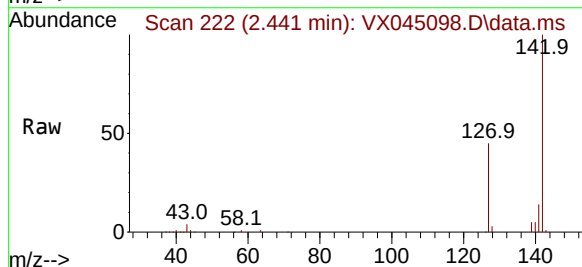
RT: 2.441 min Scan# 222

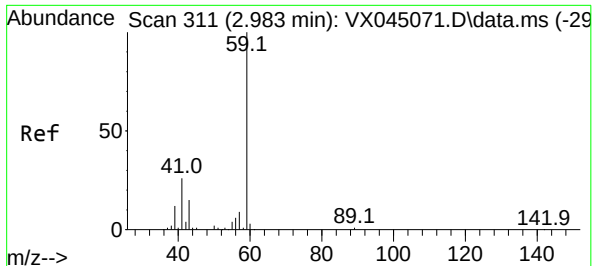
Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Tgt Ion:	142	Resp:	77481
Ion Ratio	Lower	Upper	
142	100		
127	46.5	35.4	53.2
141	14.8	11.6	17.4





#11

Tert butyl alcohol

Concen: 191.387 ug/l

RT: 3.001 min Scan# 311

Delta R.T. 0.018 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 59 Resp: 5866

Ion Ratio Lower Upper

59 100

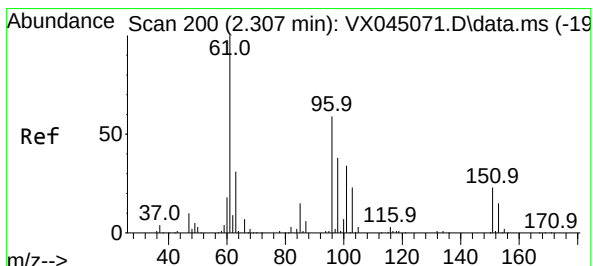
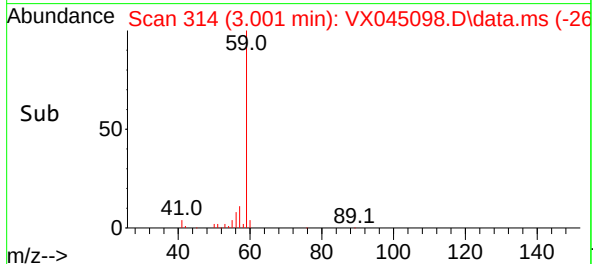
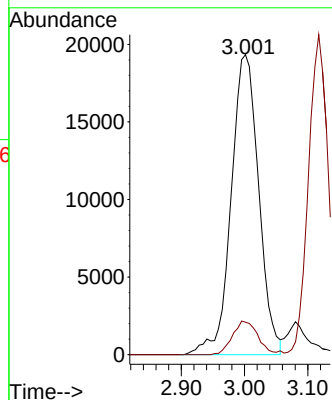
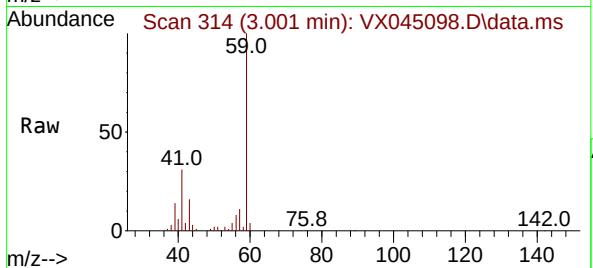
57 10.3 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#12

1,1-Dichloroethene

Concen: 48.851 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

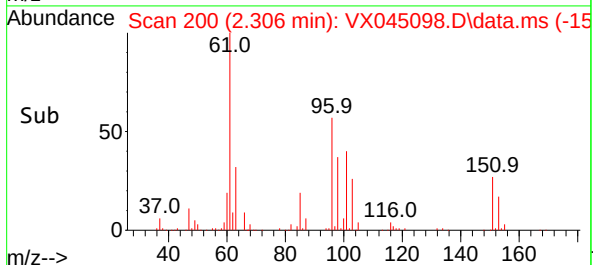
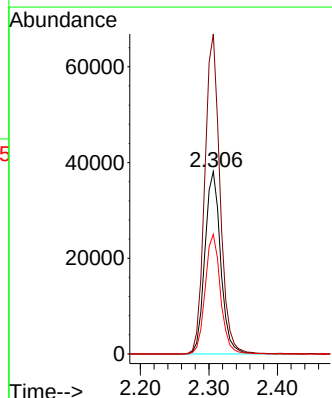
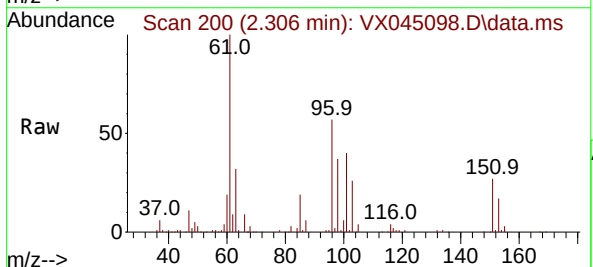
Tgt Ion: 96 Resp: 61068

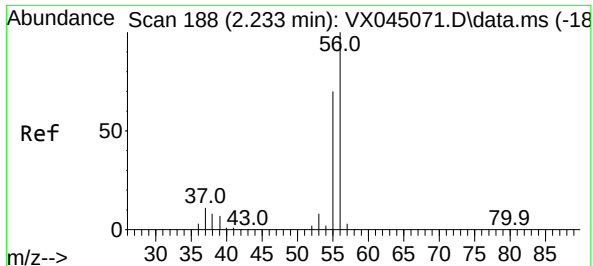
Ion Ratio Lower Upper

96 100

61 175.4 134.6 202.0

98 65.6 51.0 76.6





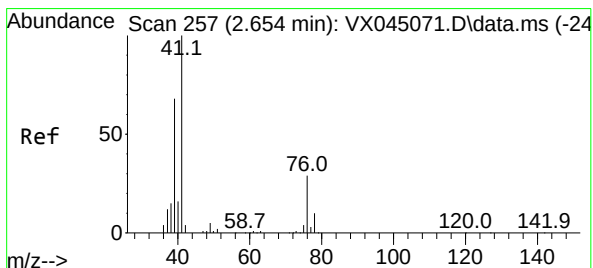
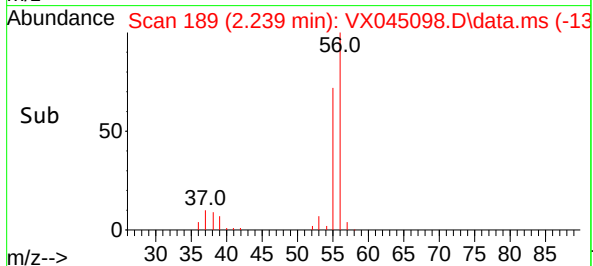
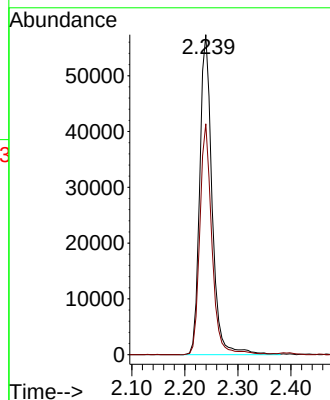
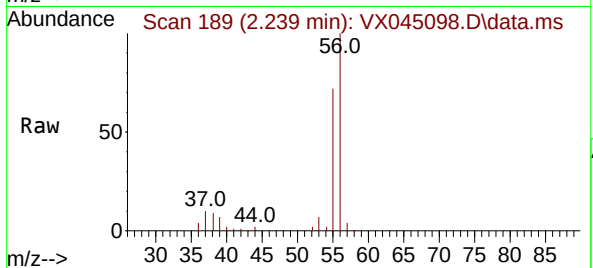
#13
Acrolein
Concen: 262.281 ug/l
RT: 2.239 min Scan# 188
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDC050EC

Tgt Ion: 56 Resp: 92932
Ion Ratio Lower Upper
56 100
55 70.5 56.2 84.4

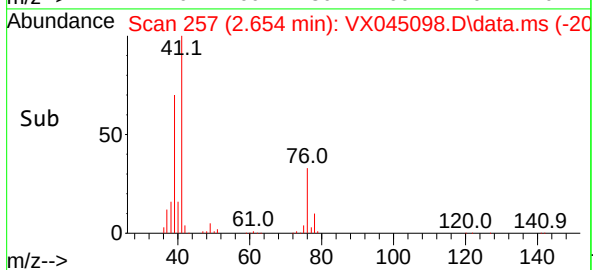
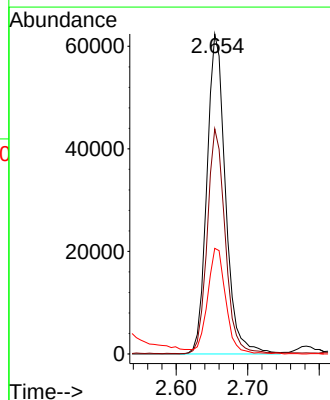
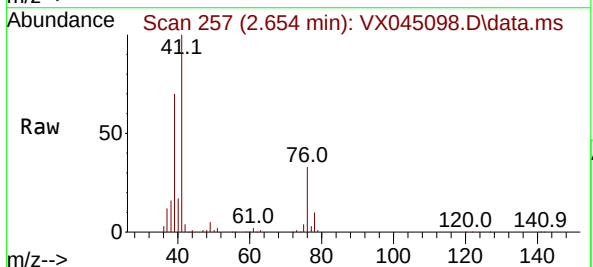
Manual Integrations
APPROVED

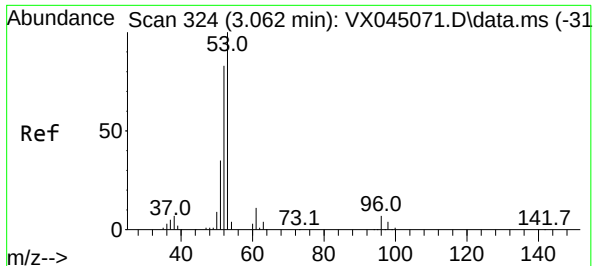
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#14
Allyl chloride
Concen: 50.713 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 41 Resp: 112846
Ion Ratio Lower Upper
41 100
39 67.8 53.8 80.8
76 32.4 25.2 37.8





#15

Acrylonitrile

Concen: 237.322 ug/l

RT: 3.068 min Scan# 30

Delta R.T. 0.006 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 53 Resp: 19495

Ion Ratio Lower Upper

53 100

52 81.7 66.2 99.2

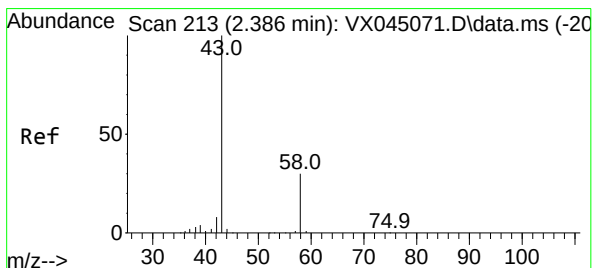
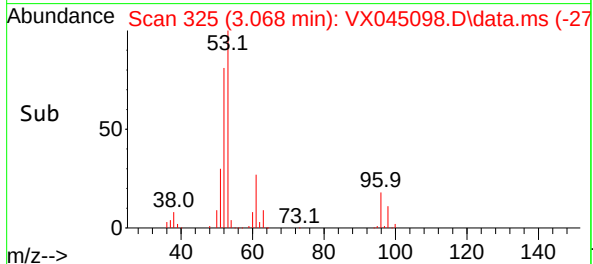
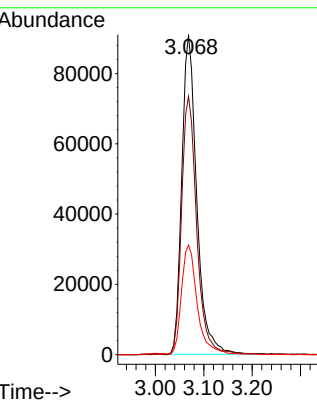
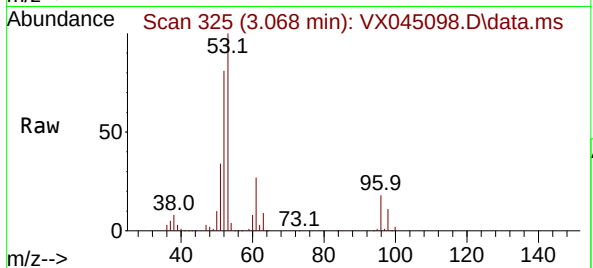
51 36.2 29.0 43.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#16

Acetone

Concen: 223.399 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX045098.D

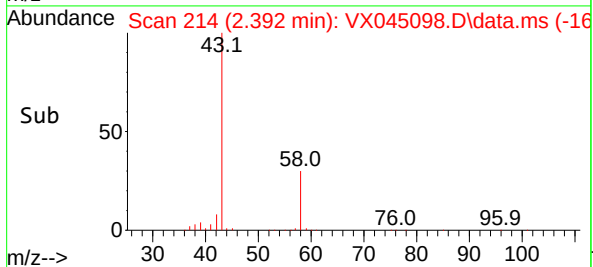
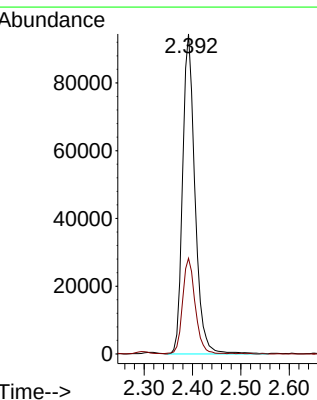
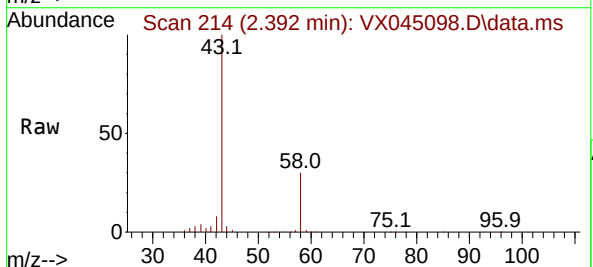
Acq: 28 Feb 2025 18:50

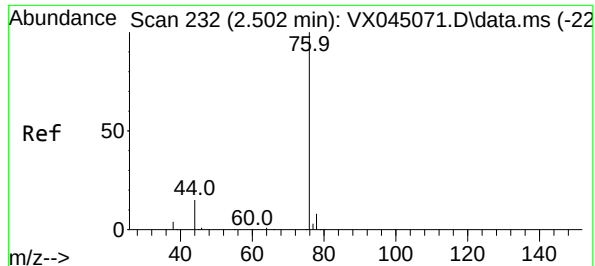
Tgt Ion: 43 Resp: 167728

Ion Ratio Lower Upper

43 100

58 29.9 24.2 36.4





#17

Carbon Disulfide

Concen: 48.039 ug/l

RT: 2.495 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 159949

Ion Ratio Lower Upper

76 100

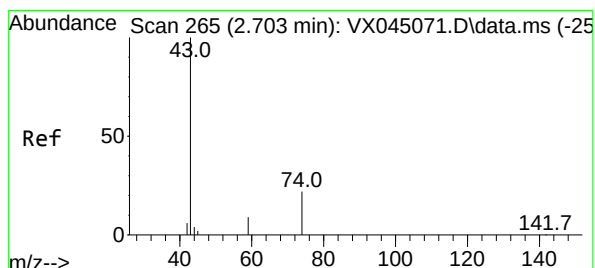
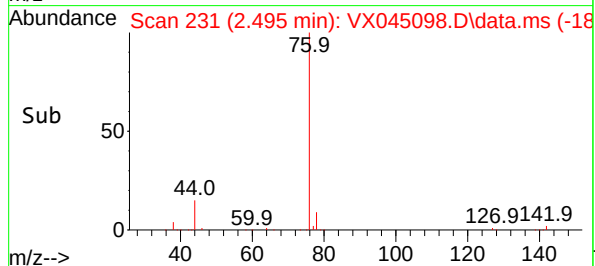
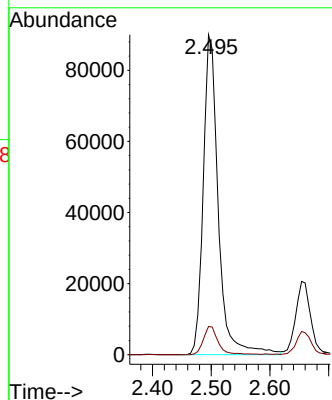
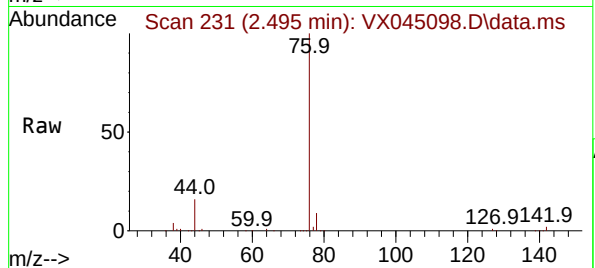
78 8.8 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#18

Methyl Acetate

Concen: 47.656 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX045098.D

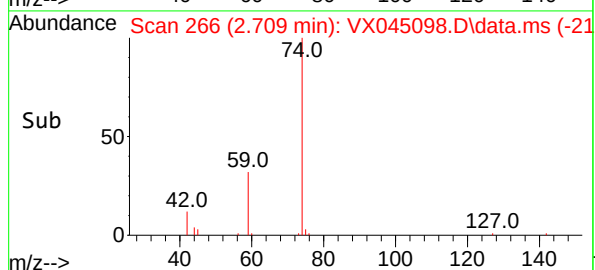
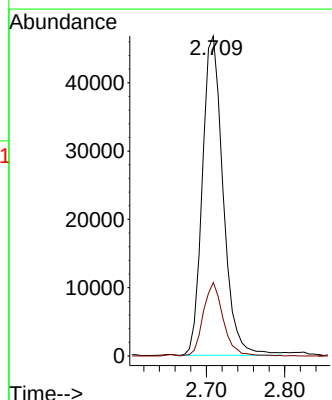
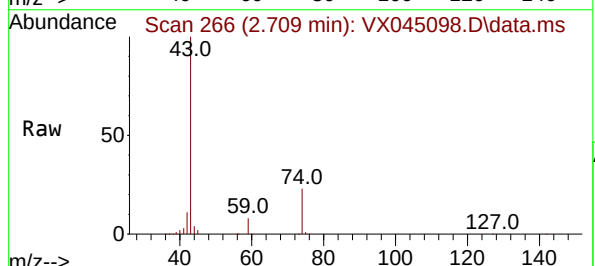
Acq: 28 Feb 2025 18:50

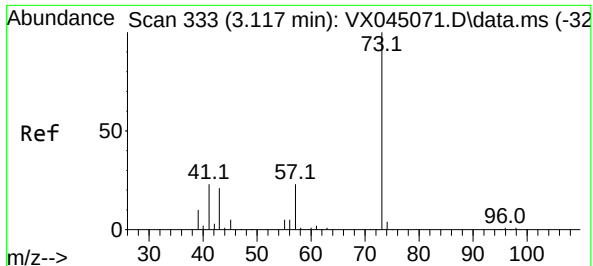
Tgt Ion: 43 Resp: 86076

Ion Ratio Lower Upper

43 100

74 22.2 17.4 26.2





#19

Methyl tert-butyl Ether

Concen: 49.622 ug/l

RT: 3.117 min Scan# 311

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 73 Resp: 208110

Ion Ratio Lower Upper

73 100

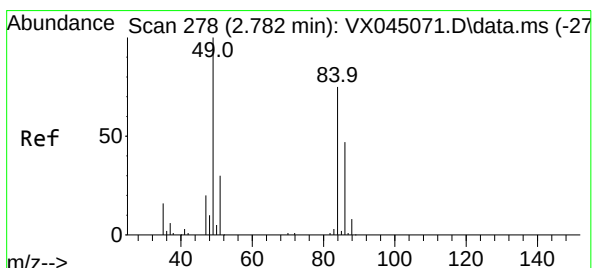
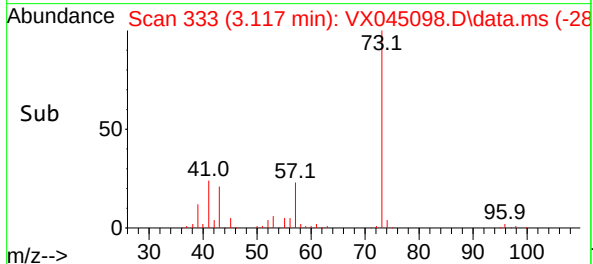
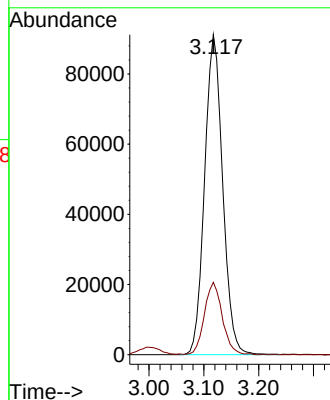
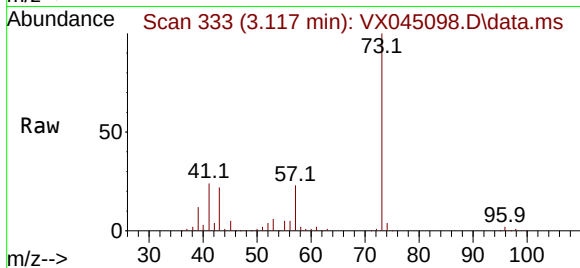
57 22.6 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#20

Methylene Chloride

Concen: 47.257 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Tgt Ion: 84 Resp: 70283

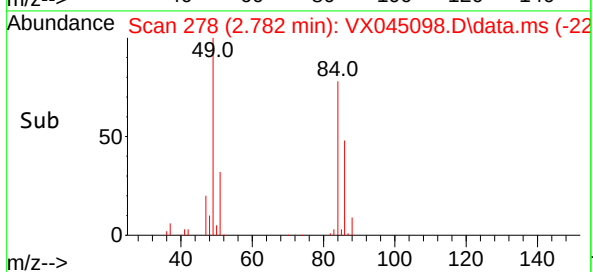
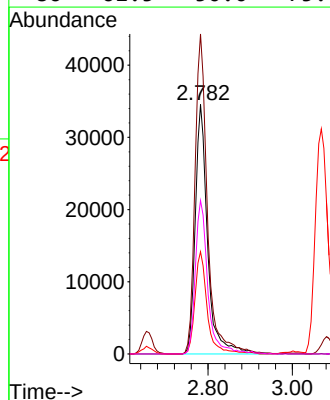
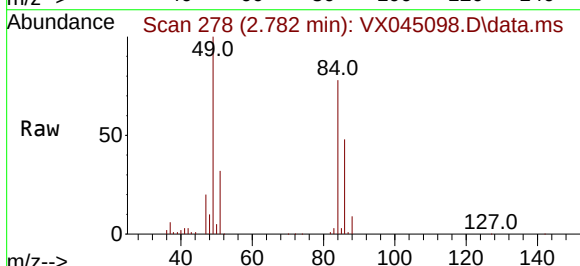
Ion Ratio Lower Upper

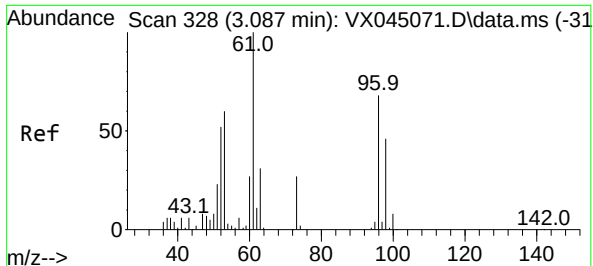
84 100

49 128.3 106.5 159.7

51 41.0 32.1 48.1

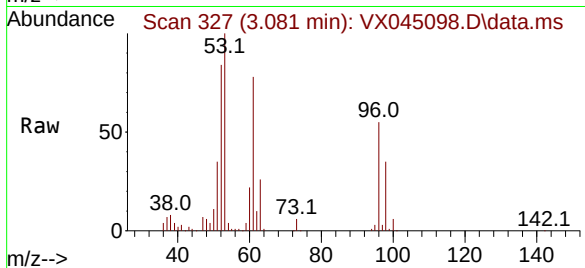
86 61.5 50.0 75.0





#21
trans-1,2-Dichloroethene
Concen: 51.365 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

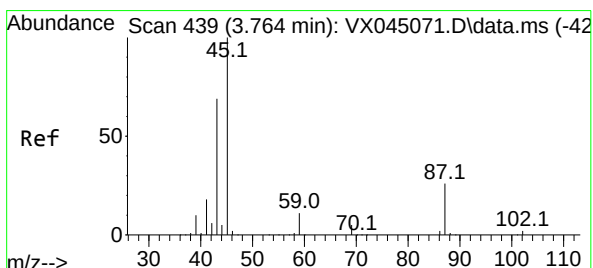
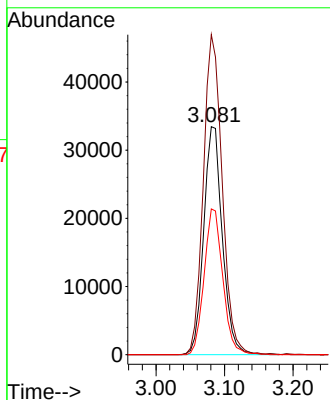
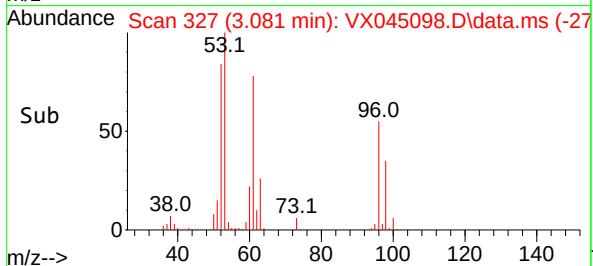
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



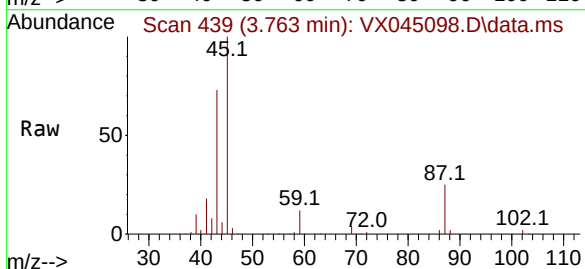
Tgt Ion: 96 Resp: 63435
Ion Ratio Lower Upper
96 100
61 140.3 117.0 175.4
98 63.9 53.4 80.2

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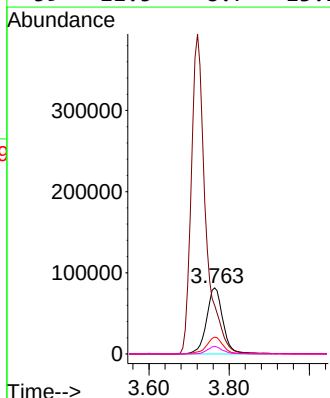
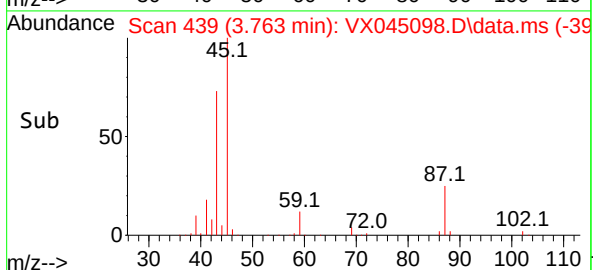
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

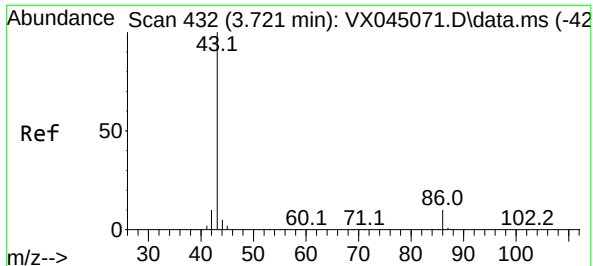


#22
Diisopropyl ether
Concen: 50.987 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50



Tgt Ion: 45 Resp: 230741
Ion Ratio Lower Upper
45 100
43 73.1 54.9 82.3
87 25.3 21.0 31.4
59 11.5 8.7 13.1





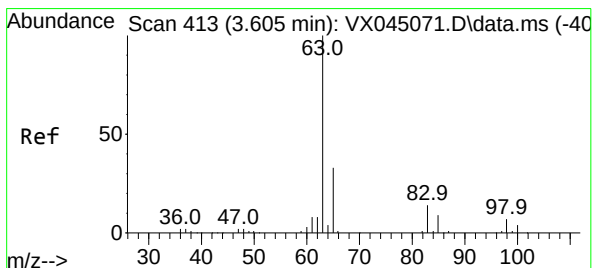
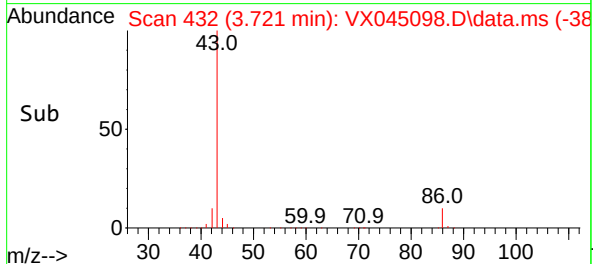
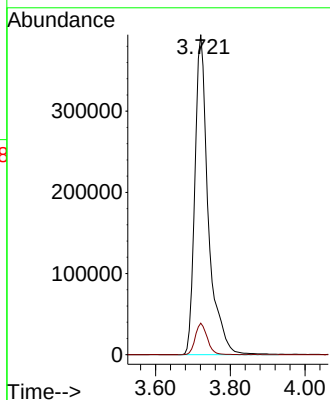
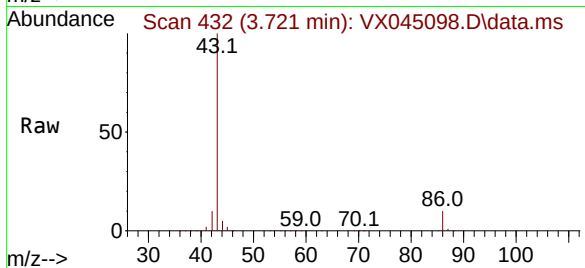
#23
 Vinyl Acetate
 Concen: 259.857 ug/l
 RT: 3.721 min Scan# 413
 Delta R.T. -0.000 min
 Lab File: VX045098.D
 Acq: 28 Feb 2025 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDC050EC

Tgt Ion: 43 Resp: 981372
 Ion Ratio Lower Upper
 43 100
 86 9.8 8.1 12.1

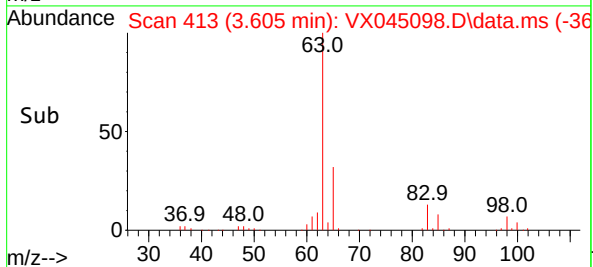
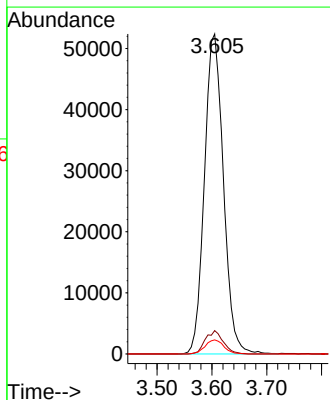
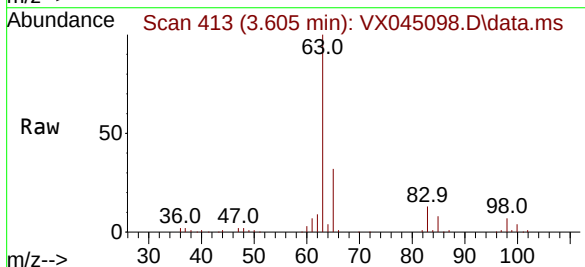
Manual Integrations
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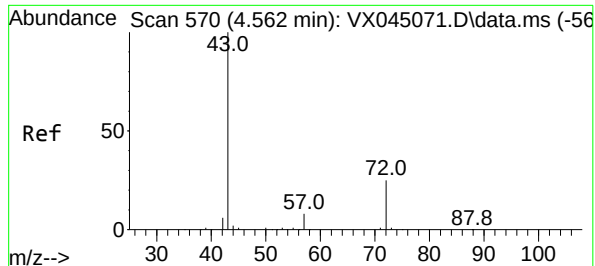
Reviewed By :John Carlone 03/03/2025
 Supervised By :Mahesh Dadoda 03/03/2025



#24
 1,1-Dichloroethane
 Concen: 49.621 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. -0.000 min
 Lab File: VX045098.D
 Acq: 28 Feb 2025 18:50

Tgt Ion: 63 Resp: 125852
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.4 10.2
 100 4.4 2.1 6.5





#25

2-Butanone

Concen: 241.451 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 272874

Ion Ratio Lower Upper

43 100

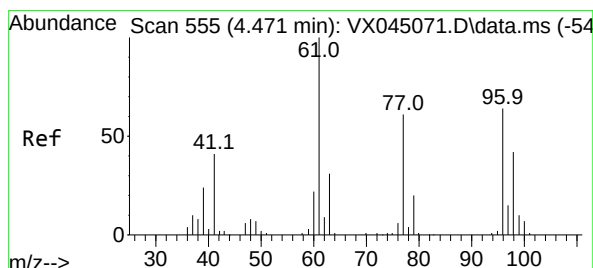
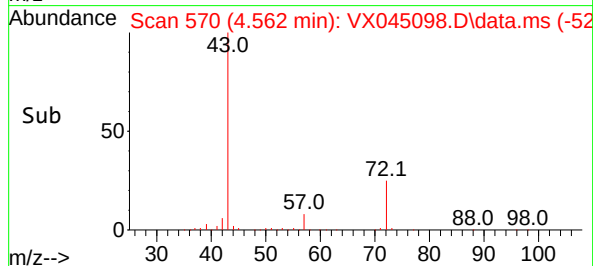
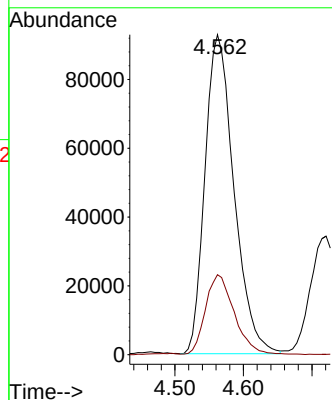
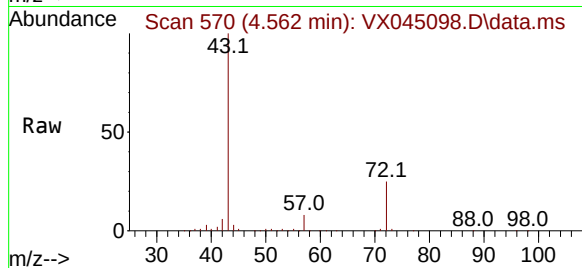
72 24.9 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#26

2,2-Dichloropropane

Concen: 63.029 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.006 min

Lab File: VX045098.D

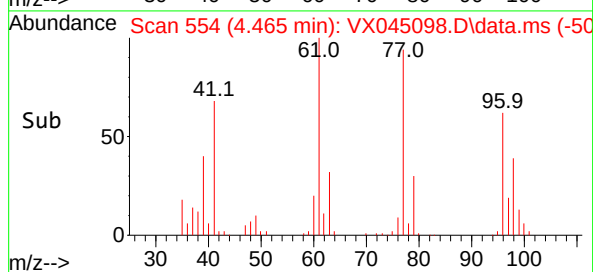
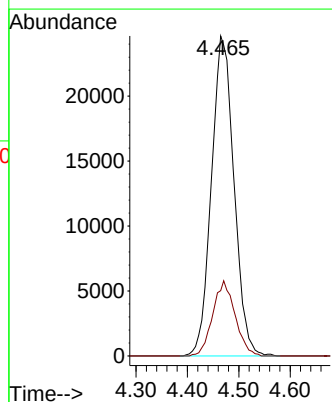
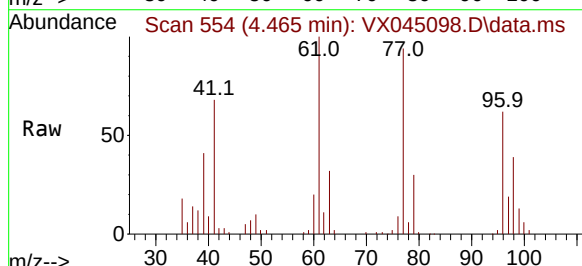
Acq: 28 Feb 2025 18:50

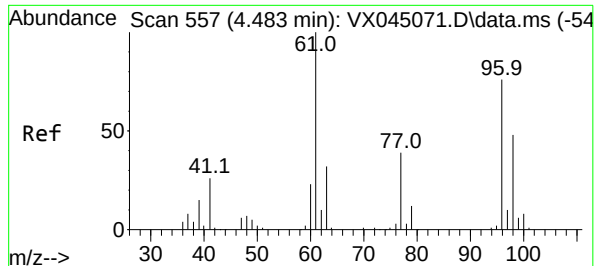
Tgt Ion: 77 Resp: 74982

Ion Ratio Lower Upper

77 100

97 23.3 12.4 37.0





#27

cis-1,2-Dichloroethene

Concen: 50.434 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 76889

Ion Ratio Lower Upper

96 100

61 145.6 0.0 283.2

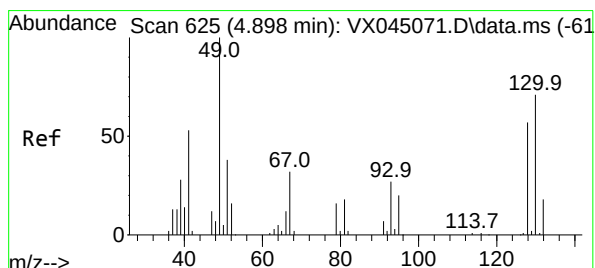
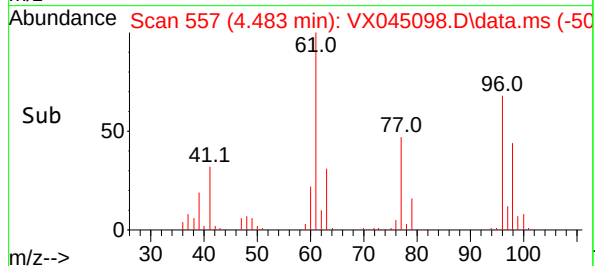
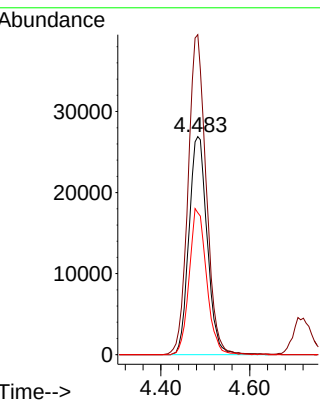
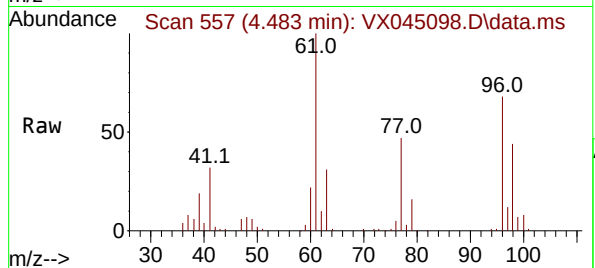
98 64.0 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#28

Bromochloromethane

Concen: 49.771 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.006 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

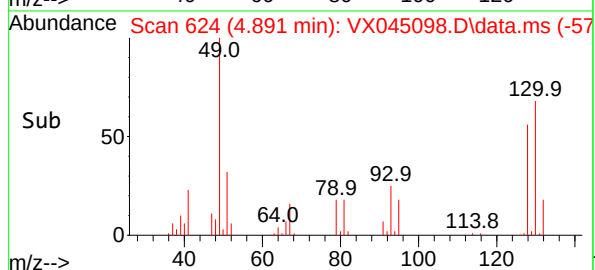
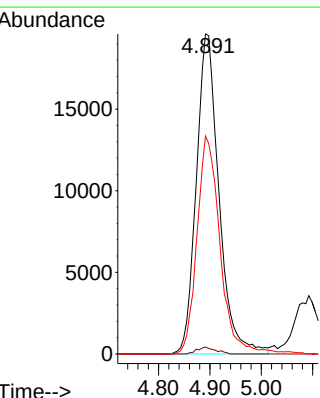
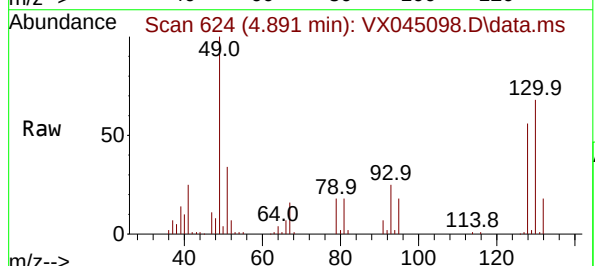
Tgt Ion: 49 Resp: 60168

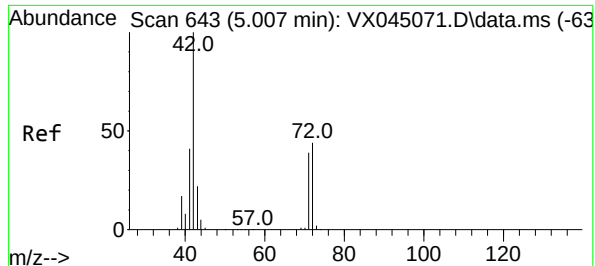
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.4

130 69.0 56.1 84.1





#29

Tetrahydrofuran

Concen: 238.042 ug/l

RT: 5.007 min Scan# 643

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 42 Resp: 18066

Ion Ratio Lower Upper

42 100

72 42.6 34.1 51.1

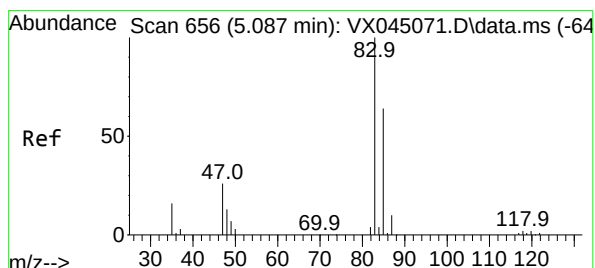
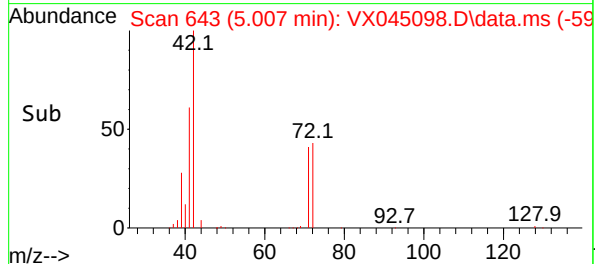
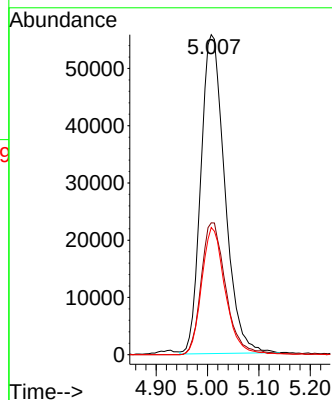
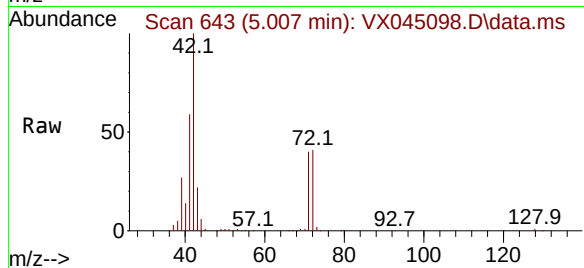
71 39.1 31.4 47.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#30

Chloroform

Concen: 49.194 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.000 min

Lab File: VX045098.D

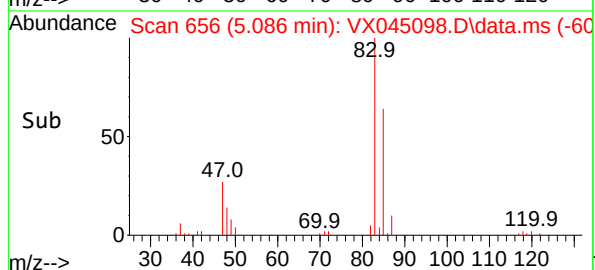
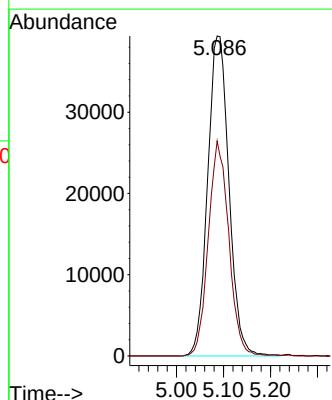
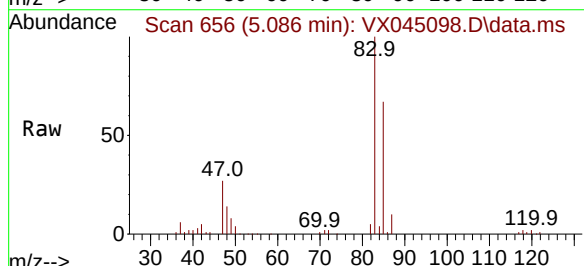
Acq: 28 Feb 2025 18:50

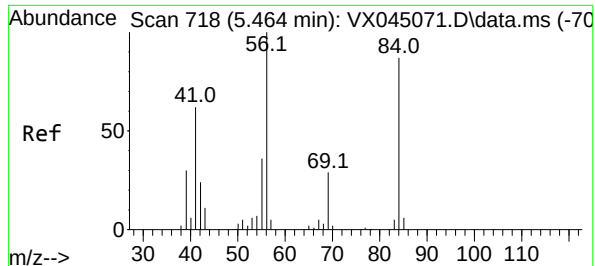
Tgt Ion: 83 Resp: 123972

Ion Ratio Lower Upper

83 100

85 67.2 51.4 77.2





#31

Cyclohexane

Concen: 51.583 ug/l

RT: 5.464 min Scan# 718

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 11356

Ion Ratio Lower Upper

56 100

69 31.1 23.4 35.2

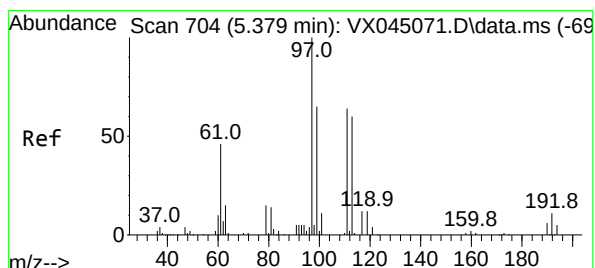
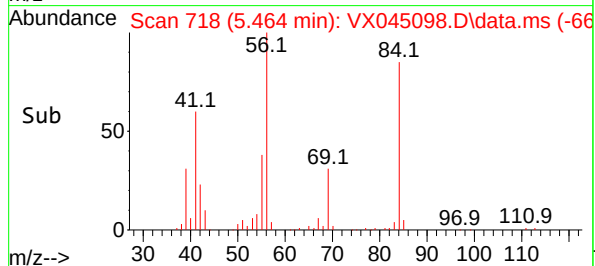
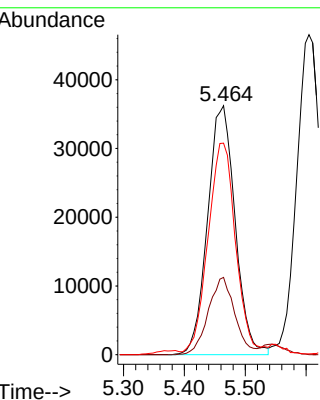
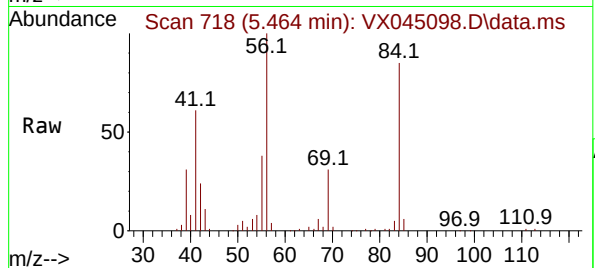
84 83.5 69.4 104.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#32

1,1,1-Trichloroethane

Concen: 50.622 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

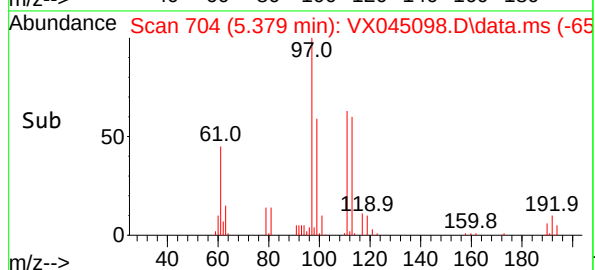
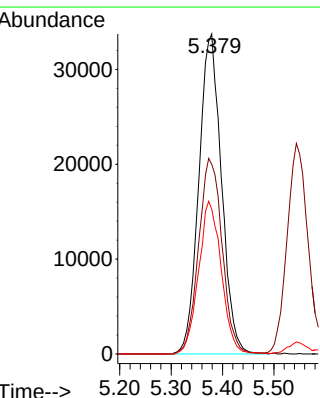
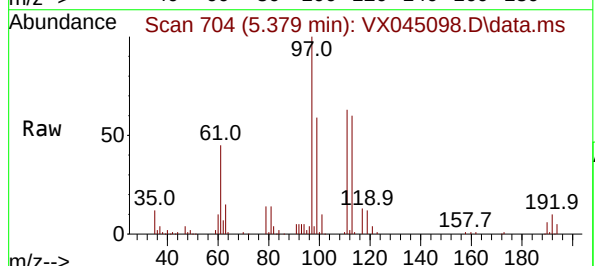
Tgt Ion: 97 Resp: 103034

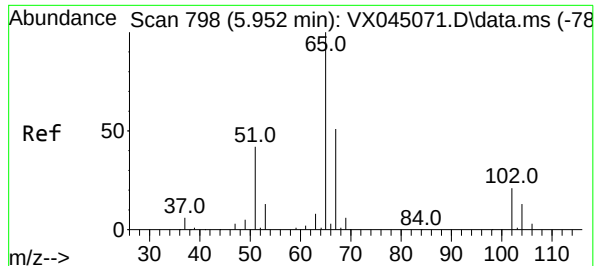
Ion Ratio Lower Upper

97 100

99 63.6 51.6 77.4

61 48.0 38.4 57.6





#33

1,2-Dichloroethane-d4

Concen: 49.047 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 65 Resp: 7936

Ion Ratio Lower Upper

65 100

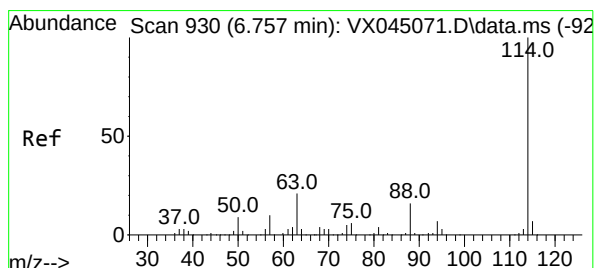
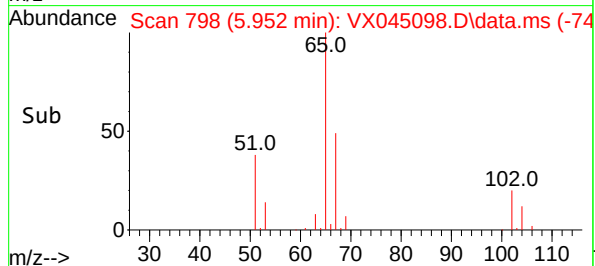
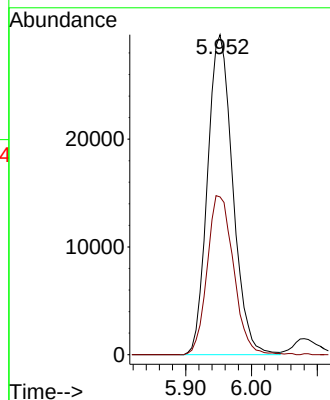
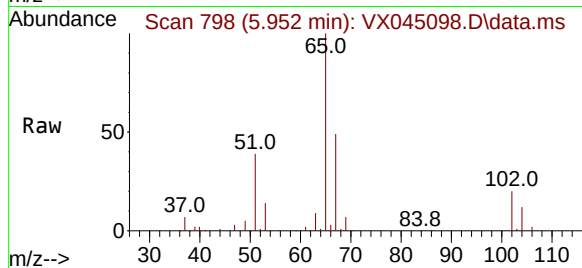
67 51.7 0.0 106.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

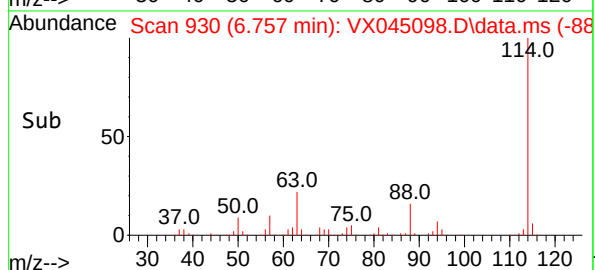
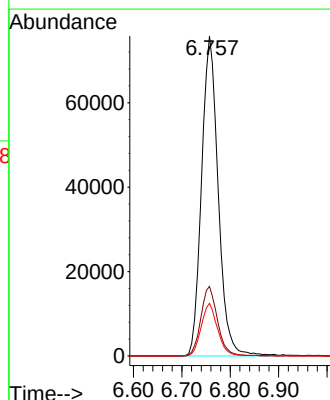
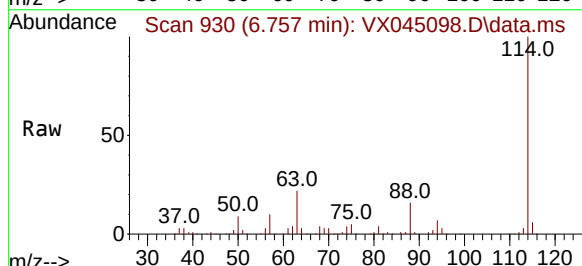
Tgt Ion:114 Resp: 181021

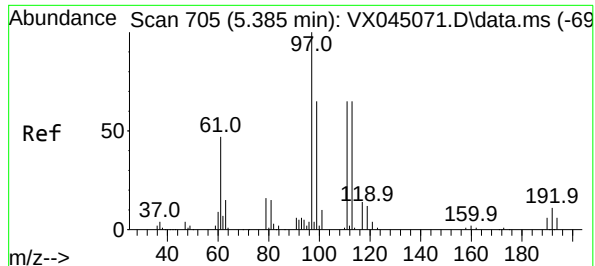
Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.8

88 16.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.487 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

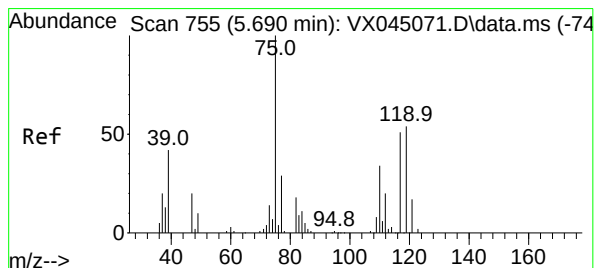
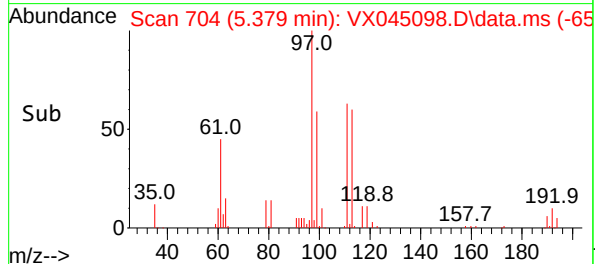
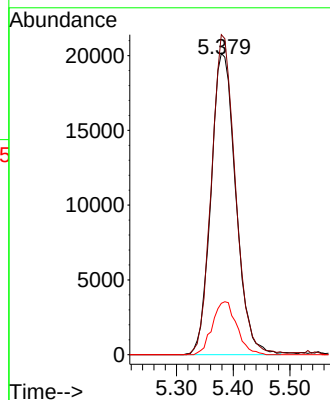
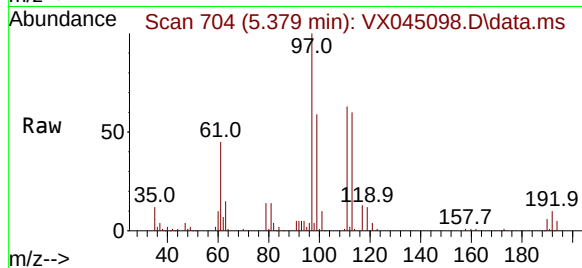
Tgt Ion:	113	Resp:	6111
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	17.3	14.3	21.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#36

1,1-Dichloropropene

Concen: 50.969 ug/l

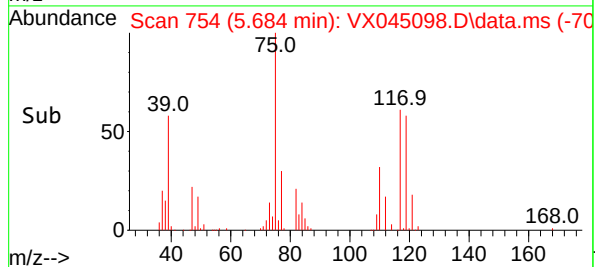
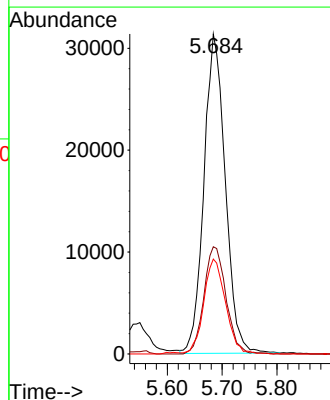
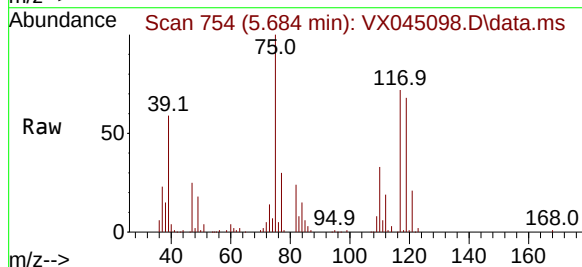
RT: 5.684 min Scan# 754

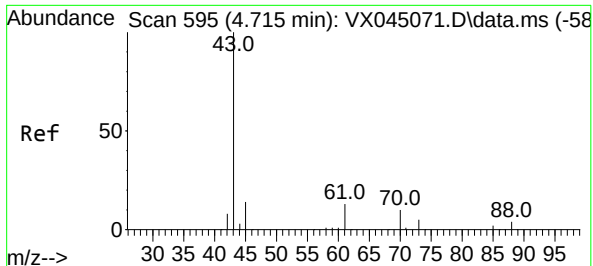
Delta R.T. -0.006 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Tgt Ion:	75	Resp:	84609
Ion	Ratio	Lower	Upper
75	100		
110	34.8	16.9	50.6
77	30.4	24.5	36.7





#37

Ethyl Acetate

Concen: 48.511 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 10376

Ion Ratio Lower Upper

43 100

61 12.7 10.8 16.2

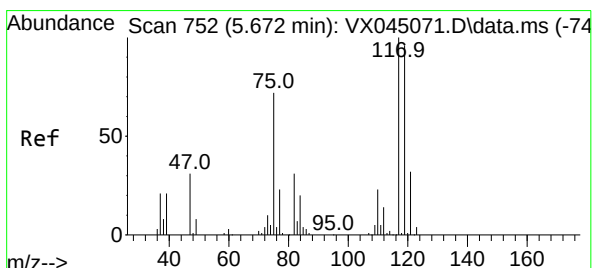
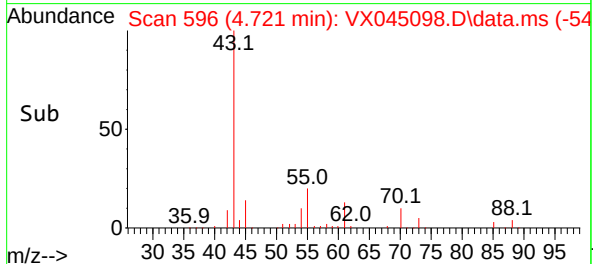
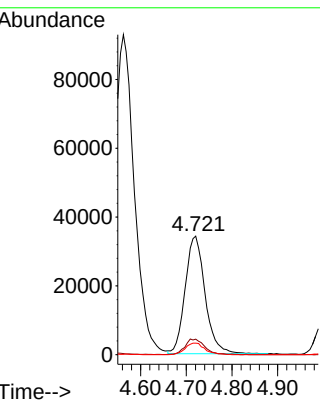
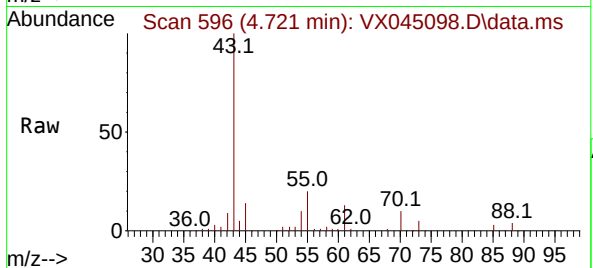
70 9.7 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#38

Carbon Tetrachloride

Concen: 51.004 ug/l

RT: 5.672 min Scan# 752

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

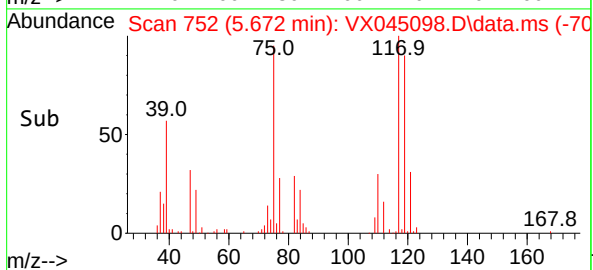
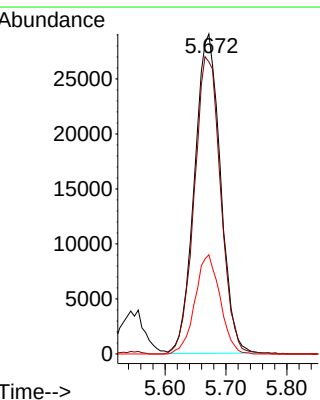
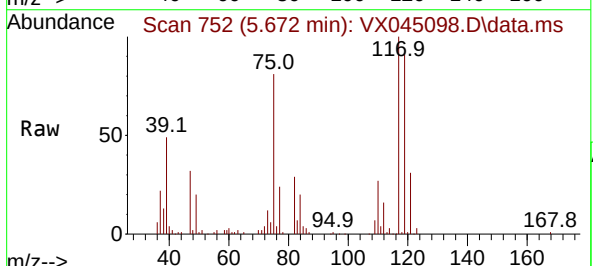
Tgt Ion:117 Resp: 85957

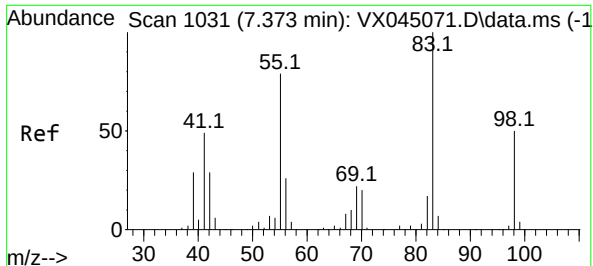
Ion Ratio Lower Upper

117 100

119 91.2 76.7 115.1

121 31.1 25.5 38.3





#39

Methylcyclohexane

Concen: 55.680 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 110750

Ion Ratio Lower Upper

83 100

55 78.4 63.0 94.4

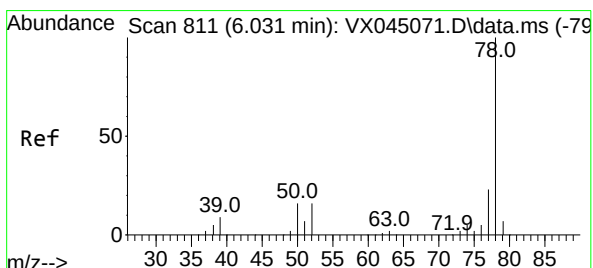
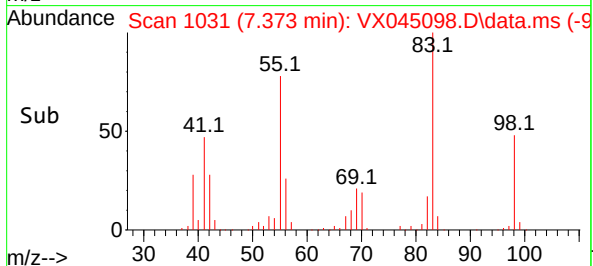
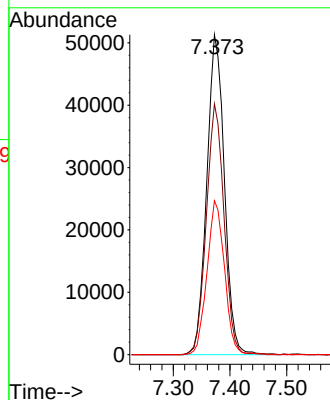
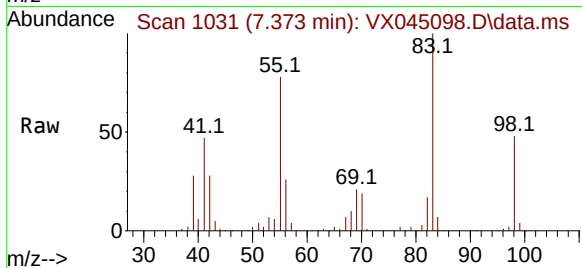
98 48.1 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#40

Benzene

Concen: 50.791 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX045098.D

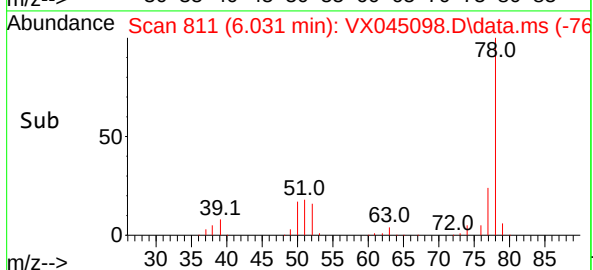
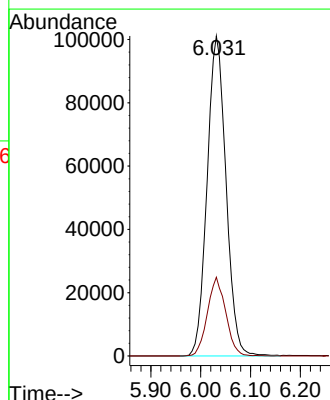
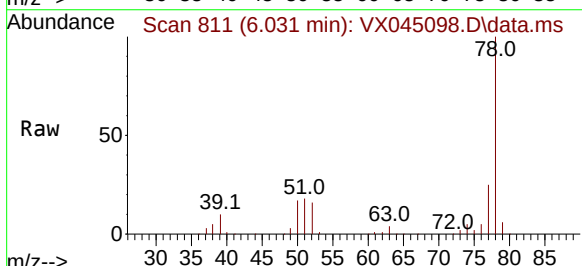
Acq: 28 Feb 2025 18:50

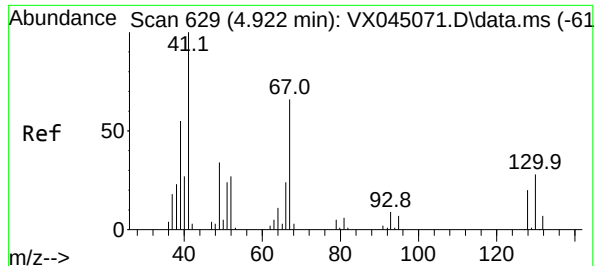
Tgt Ion: 78 Resp: 266243

Ion Ratio Lower Upper

78 100

77 24.6 18.8 28.2





#41

Methacrylonitrile

Concen: 50.896 ug/l

RT: 4.922 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 5886

Ion Ratio Lower Upper

41 100

39 54.4 44.6 67.0

67 67.0 53.9 80.9

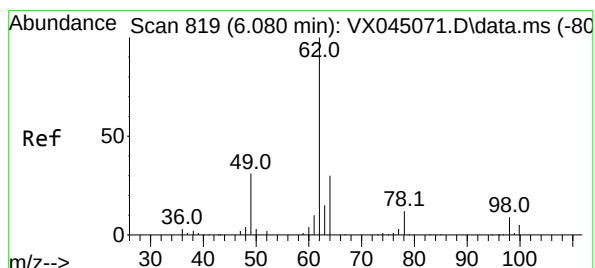
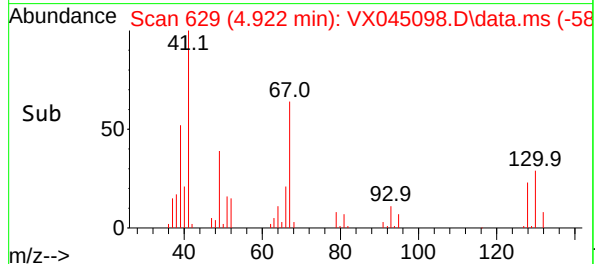
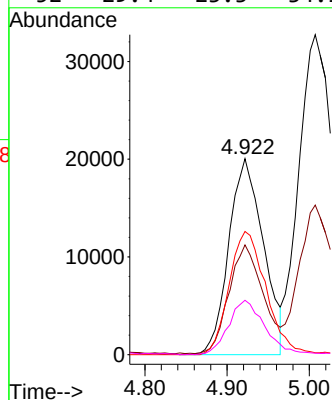
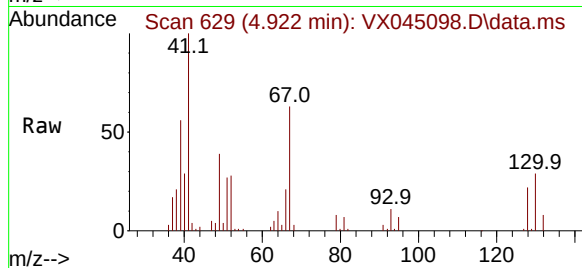
52 29.4 23.3 34.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#42

1,2-Dichloroethane

Concen: 49.909 ug/l

RT: 6.086 min Scan# 820

Delta R.T. 0.006 min

Lab File: VX045098.D

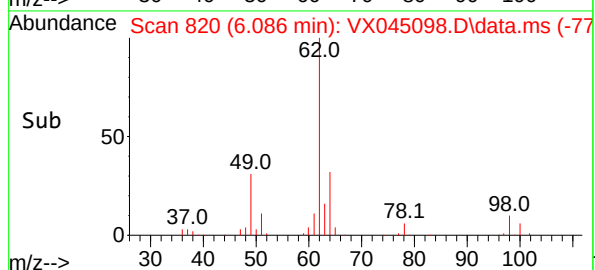
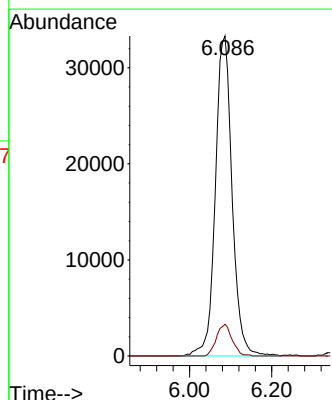
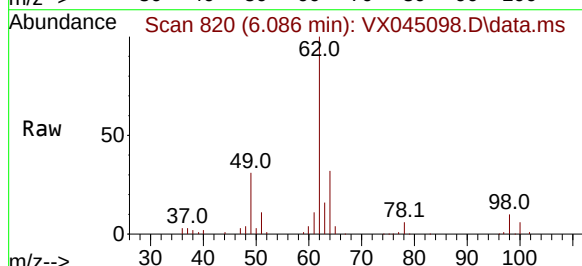
Acq: 28 Feb 2025 18:50

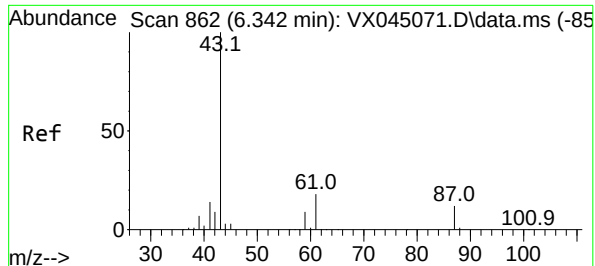
Tgt Ion: 62 Resp: 94209

Ion Ratio Lower Upper

62 100

98 9.3 0.0 18.2





#43

Isopropyl Acetate

Concen: 51.105 ug/l

RT: 6.342 min Scan# 80

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDC050EC

Tgt Ion: 43 Resp: 16164

Ion Ratio Lower Upper

43 100

61 18.5 14.9 22.3

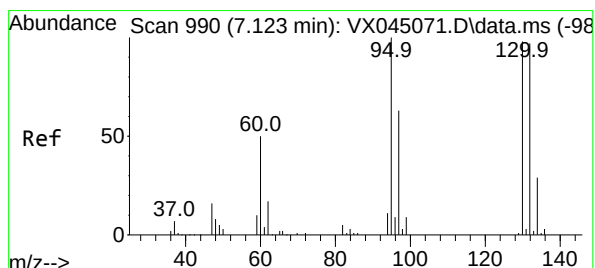
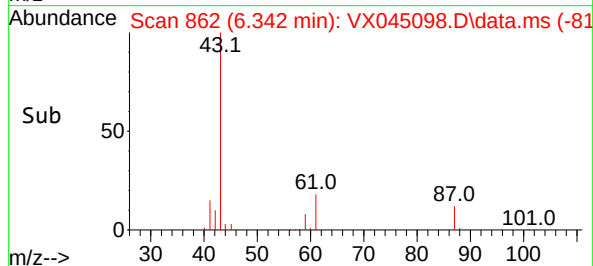
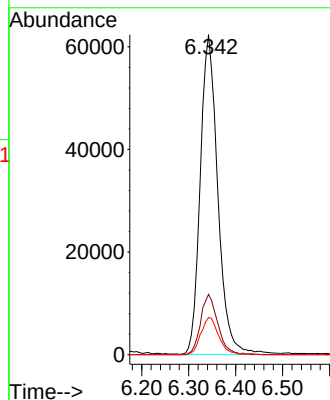
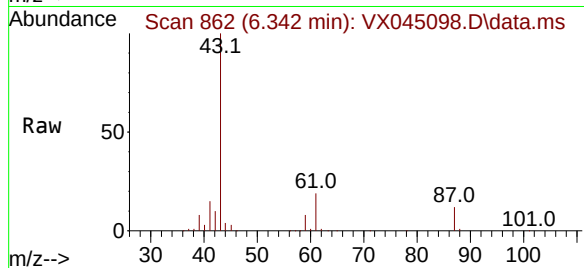
87 11.8 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#44

Trichloroethene

Concen: 50.539 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX045098.D

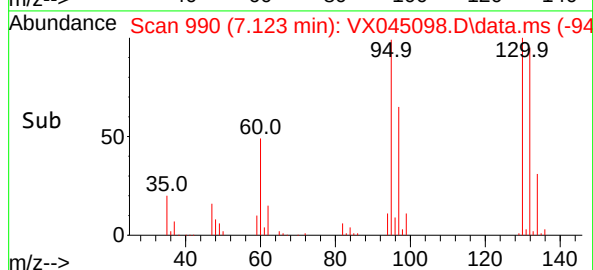
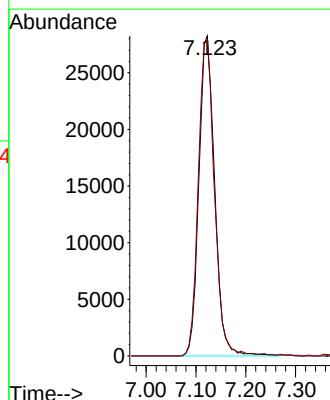
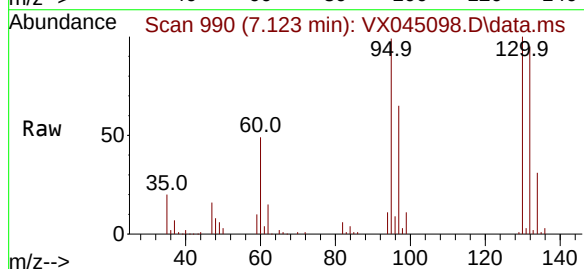
Acq: 28 Feb 2025 18:50

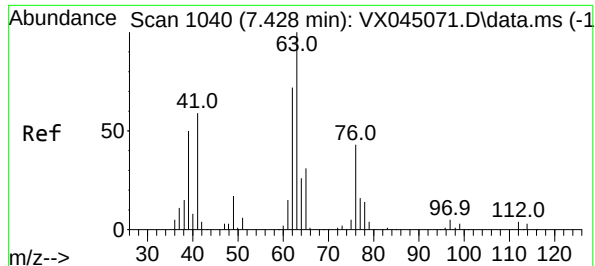
Tgt Ion:130 Resp: 62206

Ion Ratio Lower Upper

130 100

95 98.8 0.0 205.0





#45

1,2-Dichloropropane

Concen: 50.023 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 67418

Ion Ratio Lower Upper

63 100

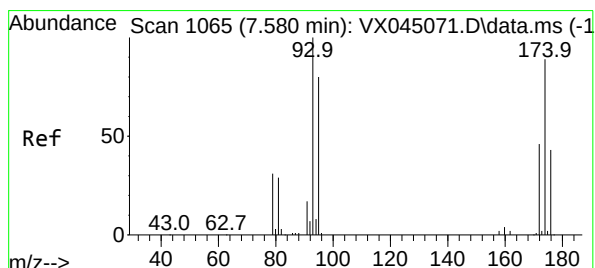
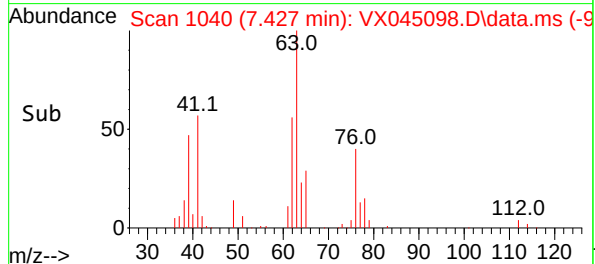
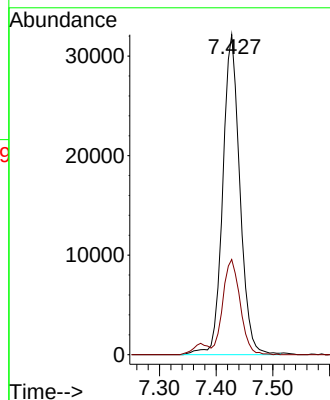
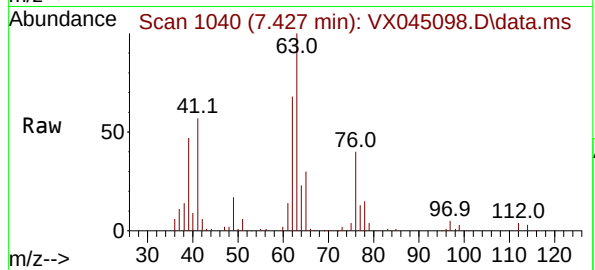
65 29.8 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#46

Dibromomethane

Concen: 50.658 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

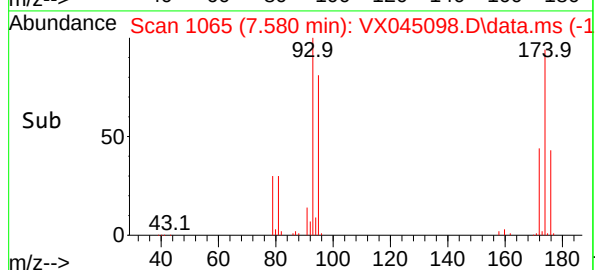
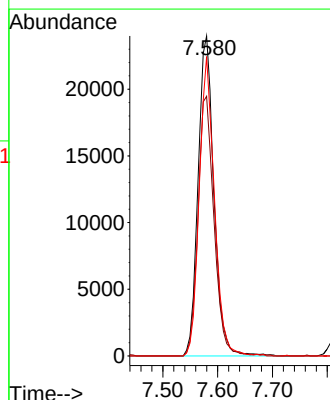
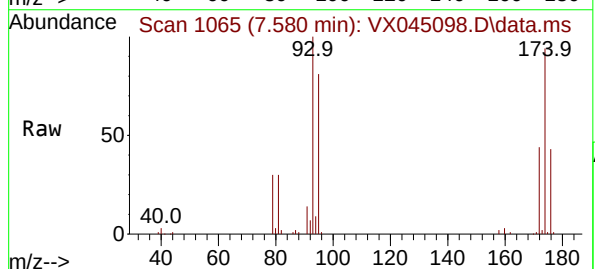
Tgt Ion: 93 Resp: 48257

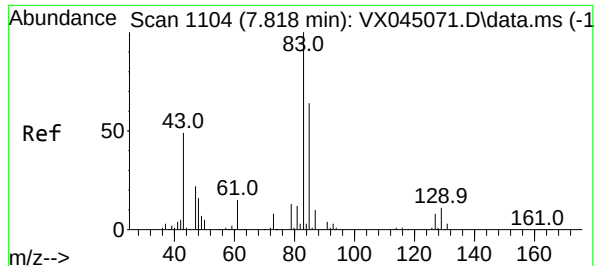
Ion Ratio Lower Upper

93 100

95 81.9 65.8 98.8

174 89.8 72.2 108.2





#47

Bromodichloromethane

Concen: 50.147 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDC050EC

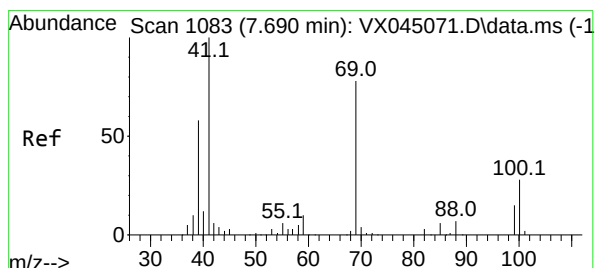
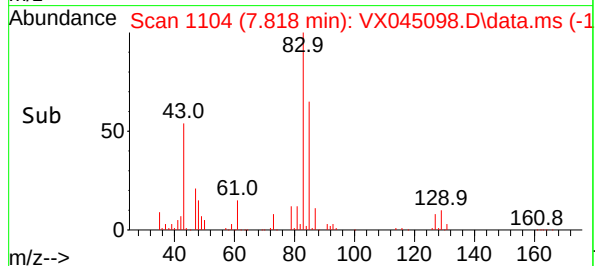
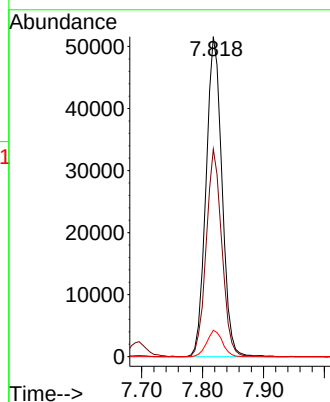
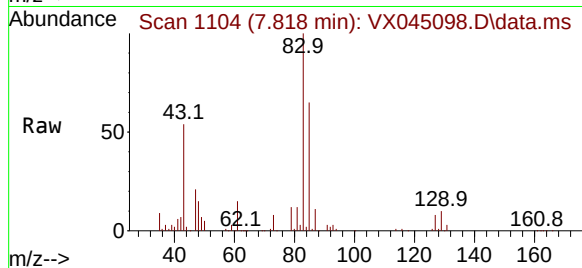
Tgt Ion:	83	Resp:	93700
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.1	76.7
127	8.2	6.4	9.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#48

Methyl methacrylate

Concen: 49.791 ug/l

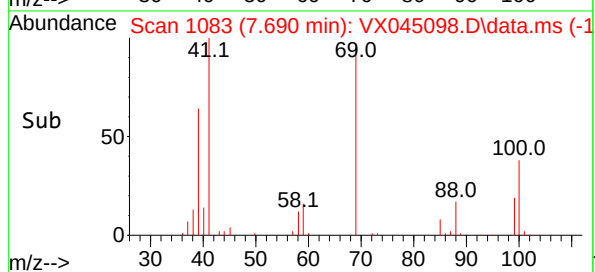
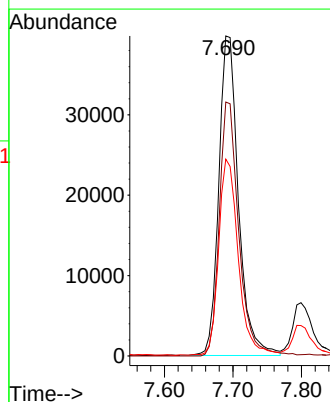
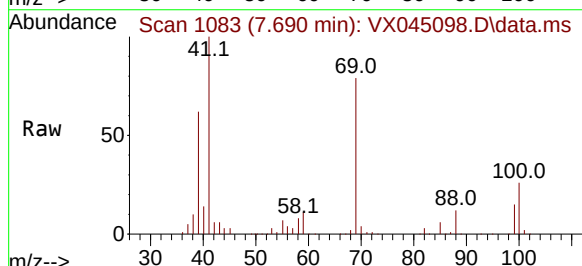
RT: 7.690 min Scan# 1083

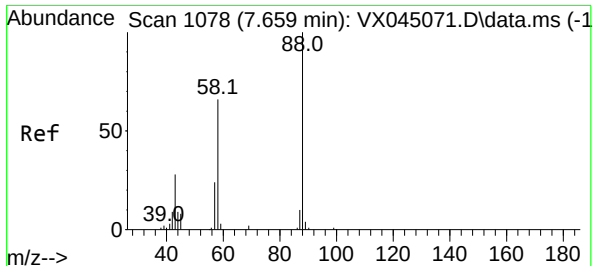
Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Tgt Ion:	41	Resp:	79010
Ion	Ratio	Lower	Upper
41	100		
69	78.7	63.0	94.6
39	61.2	47.5	71.3





#49

1,4-Dioxane

Concen: 943.544 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 88 Resp: 3158

Ion Ratio Lower Upper

88 100

43 35.8 28.7 43.1

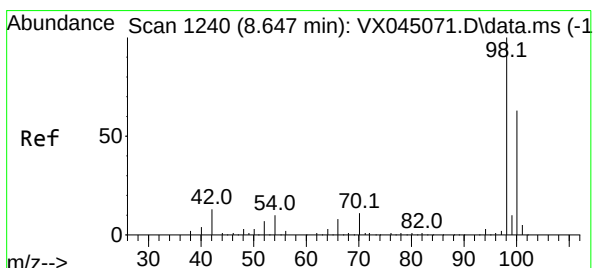
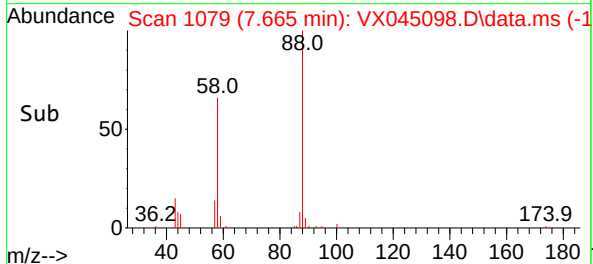
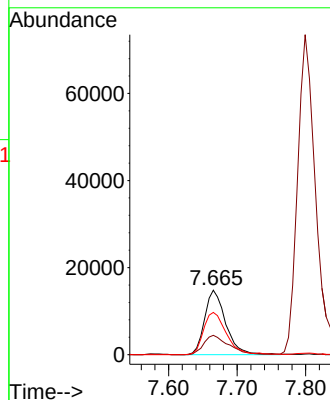
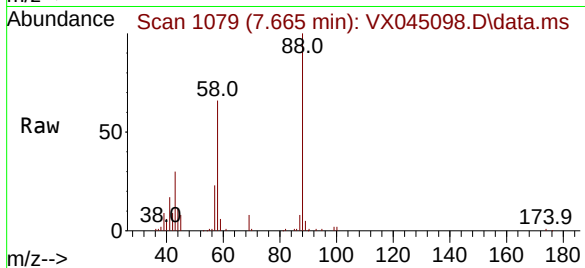
58 71.7 55.8 83.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#50

Toluene-d8

Concen: 49.952 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045098.D

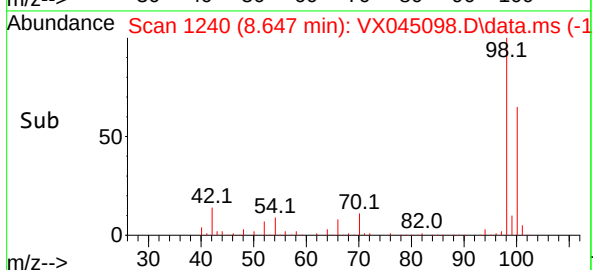
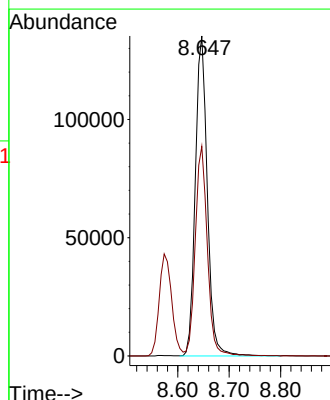
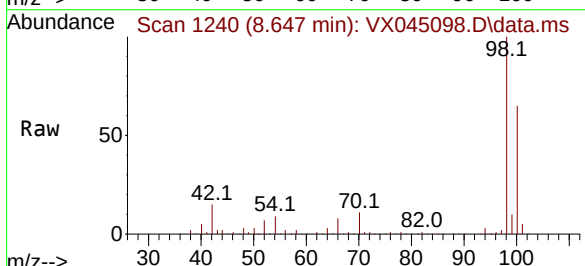
Acq: 28 Feb 2025 18:50

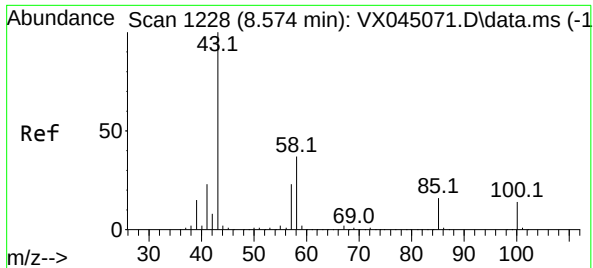
Tgt Ion: 98 Resp: 219202

Ion Ratio Lower Upper

98 100

100 65.8 52.0 78.0





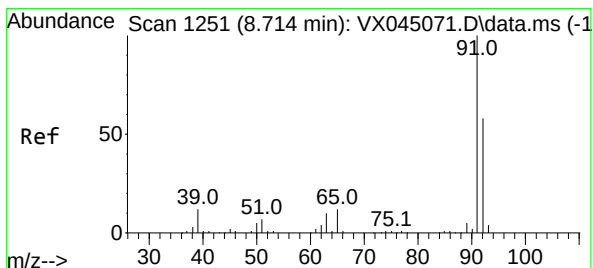
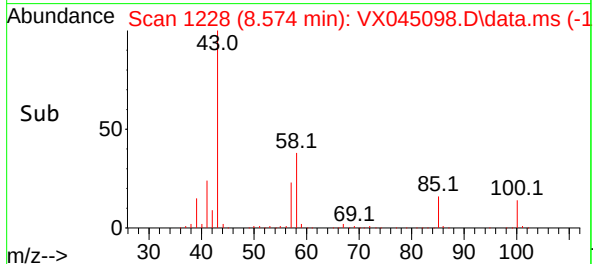
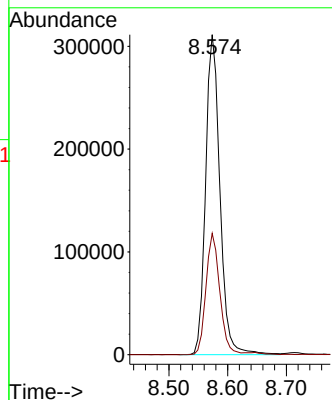
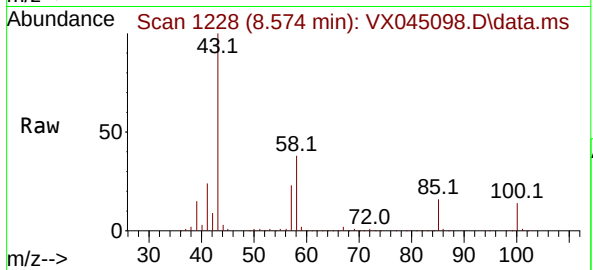
#51
4-Methyl-2-Pentanone
Concen: 248.148 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 527009
Ion Ratio Lower Upper
43 100
58 36.7 29.2 43.8

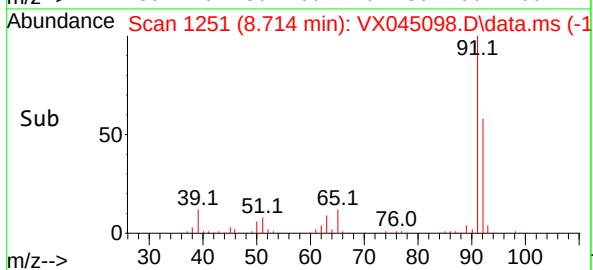
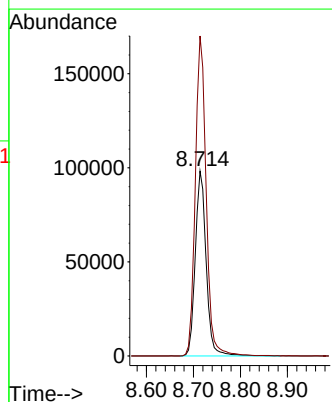
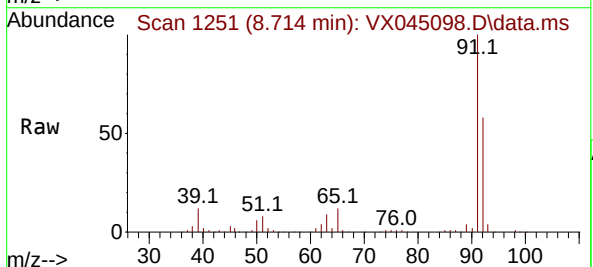
Manual Integrations
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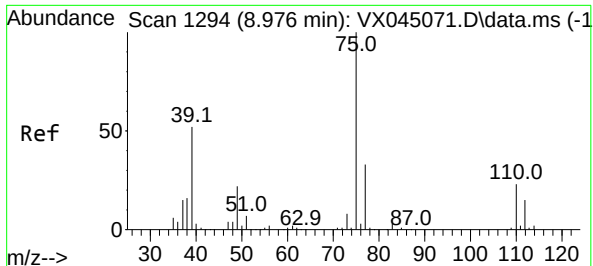
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#52
Toluene
Concen: 51.738 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 92 Resp: 159122
Ion Ratio Lower Upper
92 100
91 172.4 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 53.255 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 8318

Ion Ratio Lower Upper

75 100

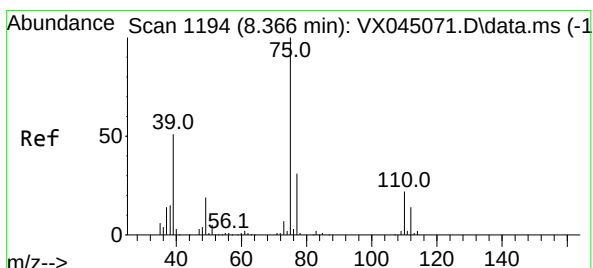
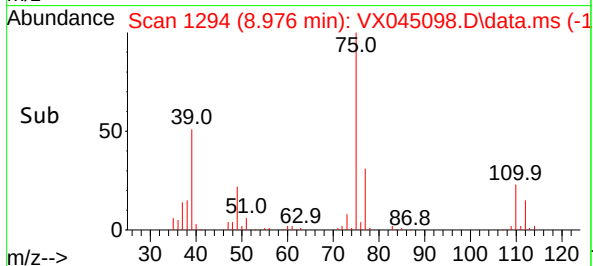
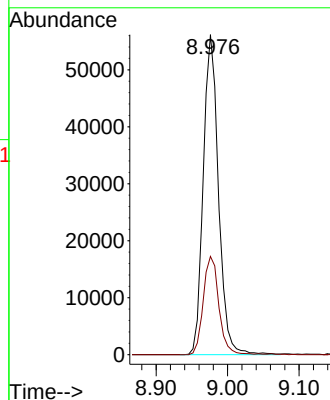
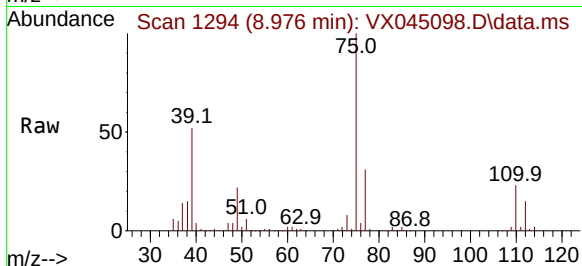
77 30.7 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#54

cis-1,3-Dichloropropene

Concen: 53.261 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.006 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

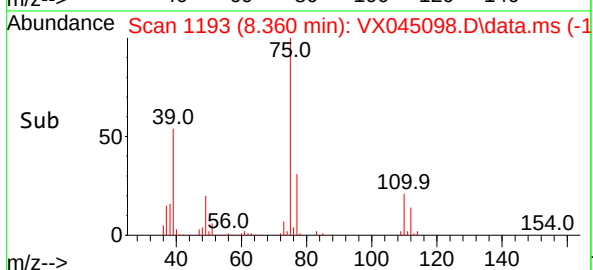
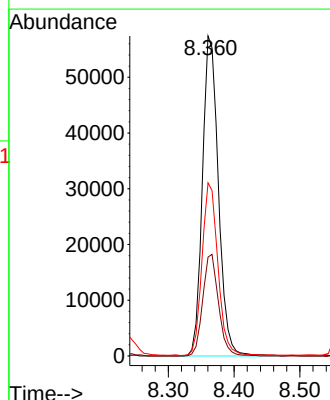
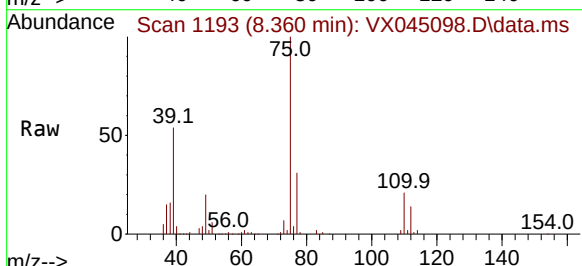
Tgt Ion: 75 Resp: 97016

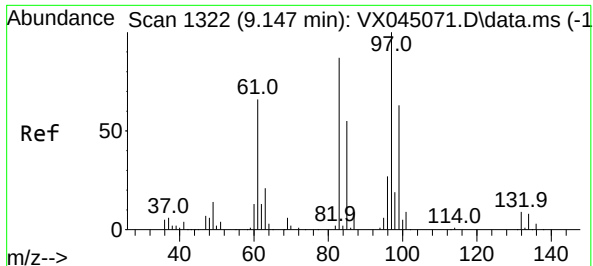
Ion Ratio Lower Upper

75 100

77 30.9 24.7 37.1

39 53.9 40.7 61.1





#55

1,1,2-Trichloroethane

Concen: 48.933 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 61958

Ion Ratio Lower Upper

97 100

83 87.4 69.4 104.2

85 58.2 44.1 66.1

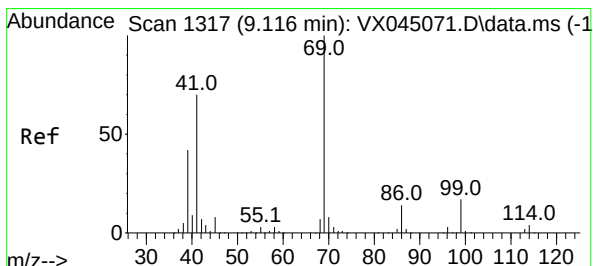
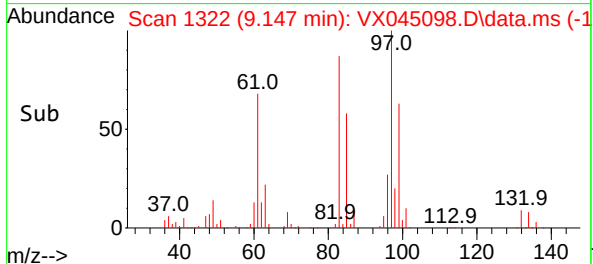
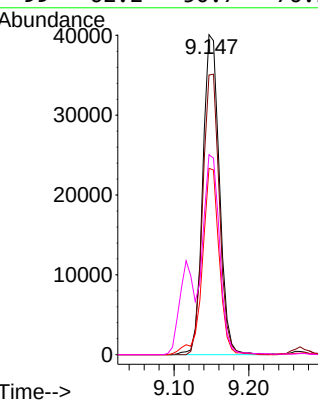
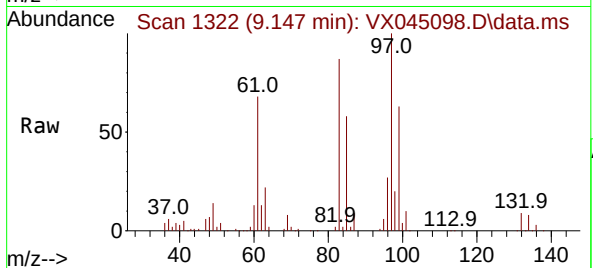
99 62.2 50.7 76.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#56

Ethyl methacrylate

Concen: 50.898 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

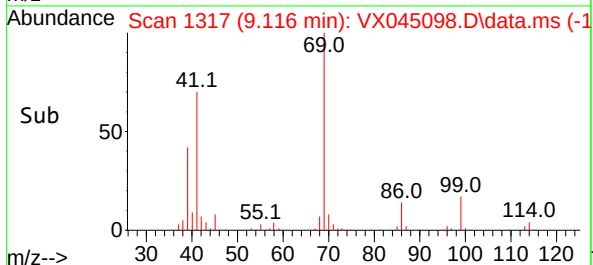
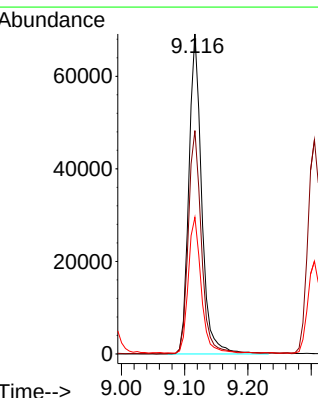
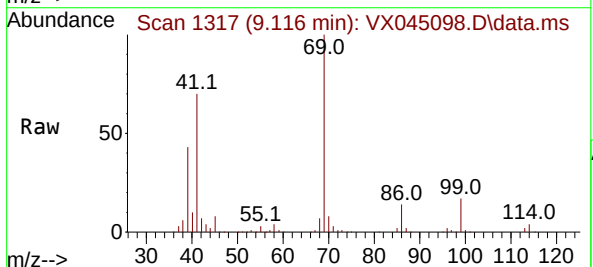
Tgt Ion: 69 Resp: 97958

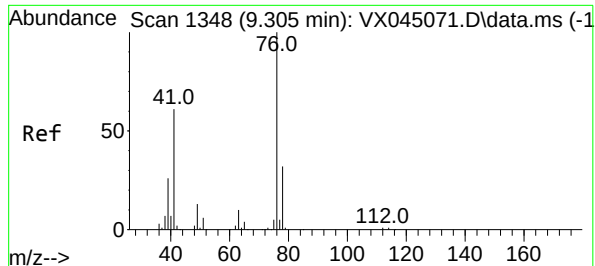
Ion Ratio Lower Upper

69 100

41 72.0 57.0 85.4

39 42.2 34.2 51.4





#57

1,3-Dichloropropane

Concen: 49.251 ug/l

RT: 9.305 min Scan# 111

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 10791

Ion Ratio Lower Upper

76 100

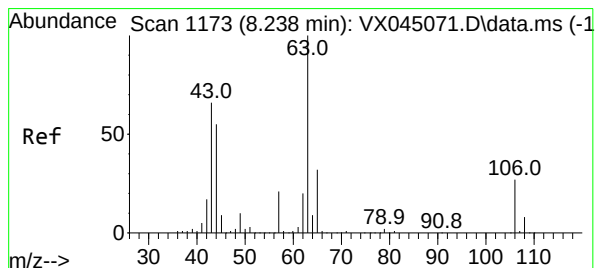
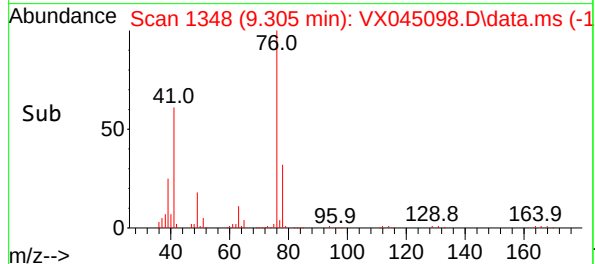
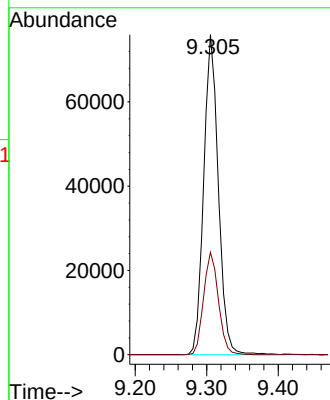
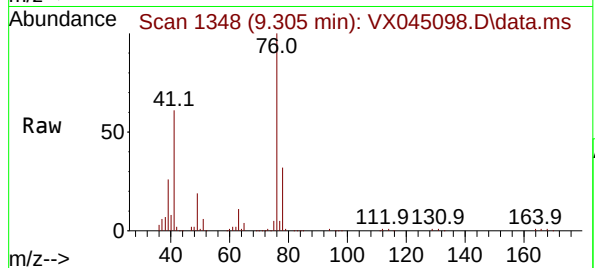
78 32.4 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#58

2-Chloroethyl Vinyl ether

Concen: 267.883 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX045098.D

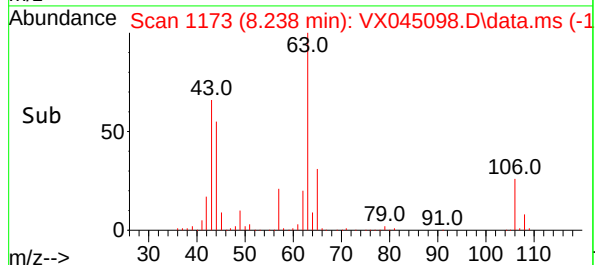
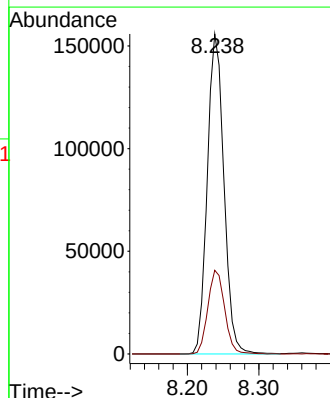
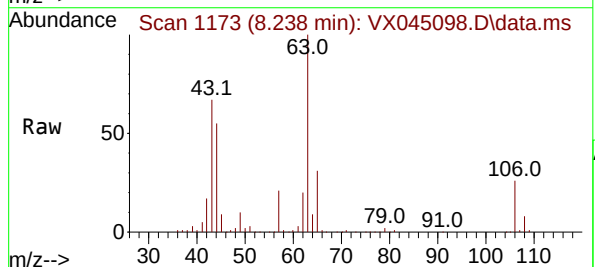
Acq: 28 Feb 2025 18:50

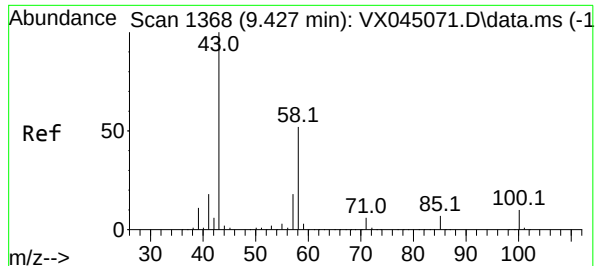
Tgt Ion: 63 Resp: 251496

Ion Ratio Lower Upper

63 100

106 26.4 21.5 32.3





#59

2-Hexanone

Concen: 253.206 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 38962

Ion Ratio Lower Upper

43 100

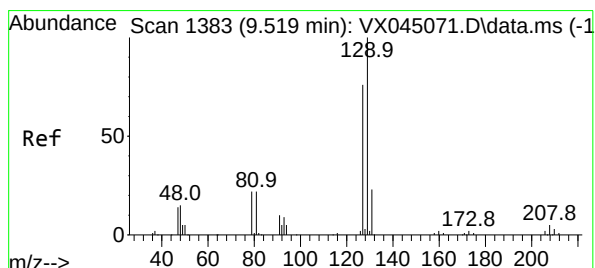
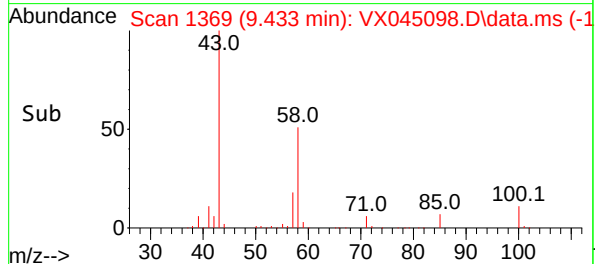
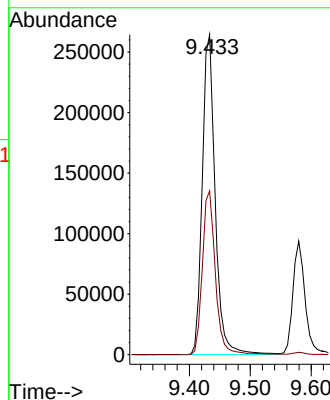
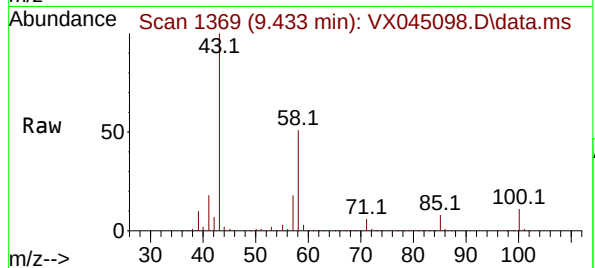
58 51.8 25.9 77.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#60

Dibromochloromethane

Concen: 49.736 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX045098.D

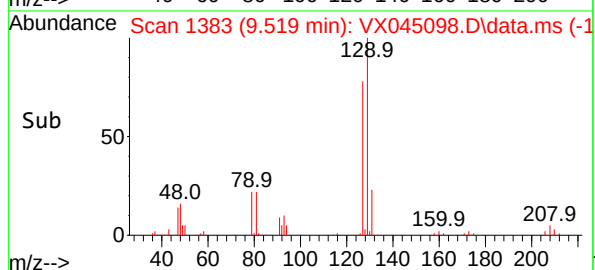
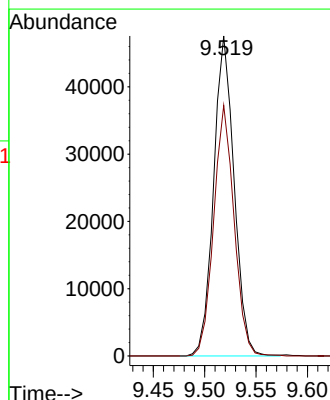
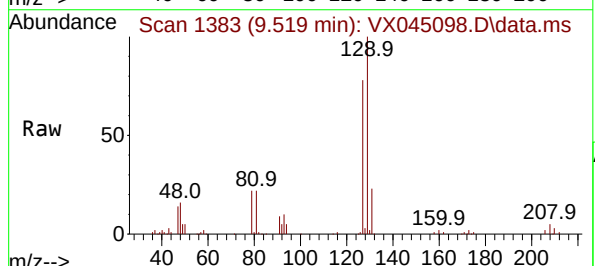
Acq: 28 Feb 2025 18:50

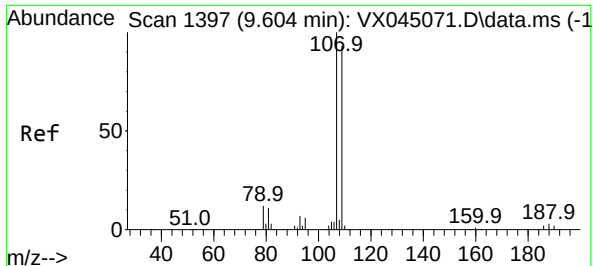
Tgt Ion:129 Resp: 65842

Ion Ratio Lower Upper

129 100

127 78.1 38.5 115.5





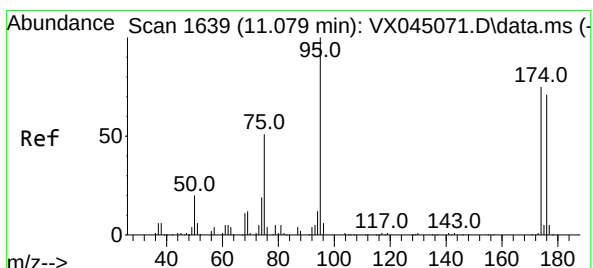
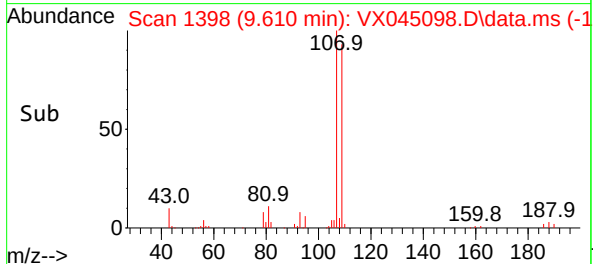
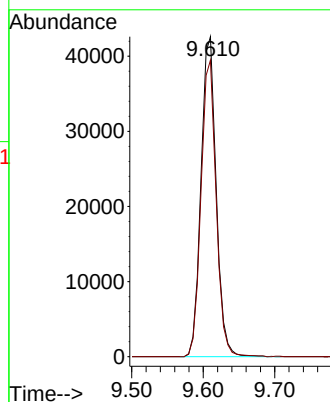
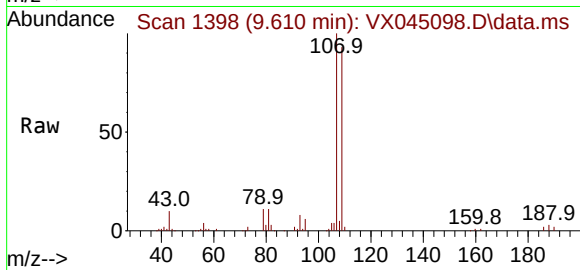
#61
1,2-Dibromoethane
Concen: 49.600 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 62692
Ion Ratio Lower Upper
107 100
109 92.5 76.1 114.1

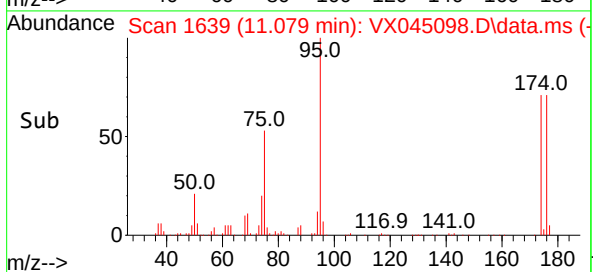
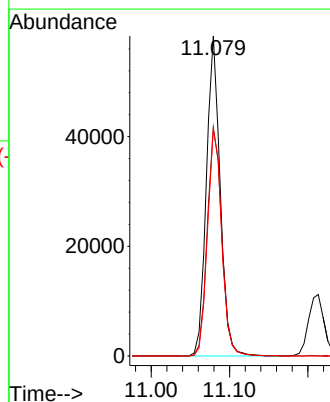
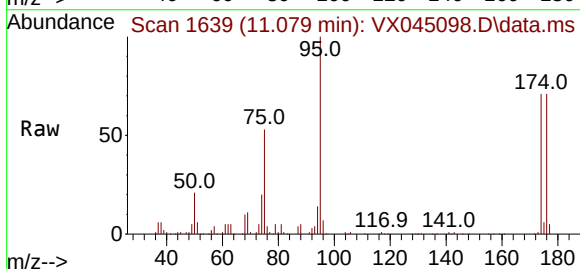
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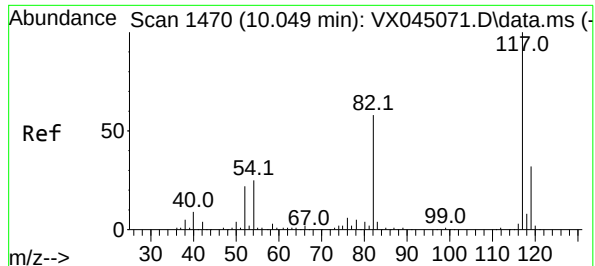
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#62
4-Bromofluorobenzene
Concen: 48.831 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

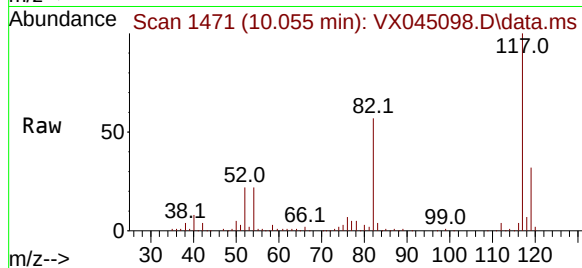
Tgt Ion: 95 Resp: 71007
Ion Ratio Lower Upper
95 100
174 75.0 0.0 148.2
176 72.9 0.0 141.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

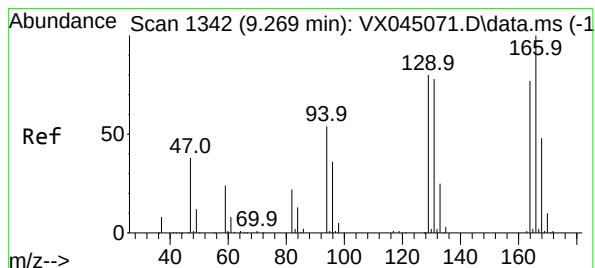
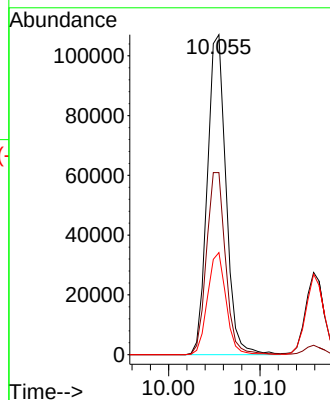
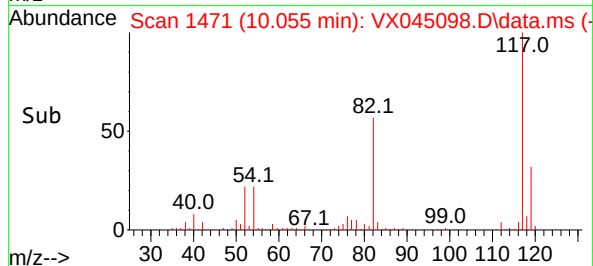
Instrument :
MSVOA_X
ClientSampleId :
VSTDC0050EC



Tgt Ion:117 Resp: 15183
Ion Ratio Lower Upper
117 100
82 56.9 46.3 69.5
119 31.9 25.7 38.5

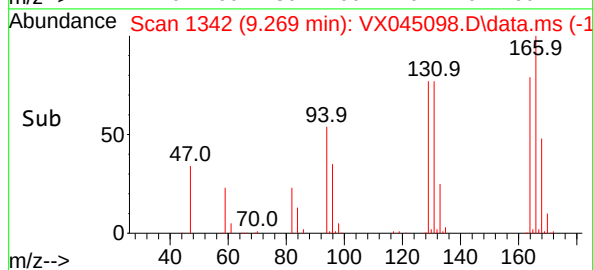
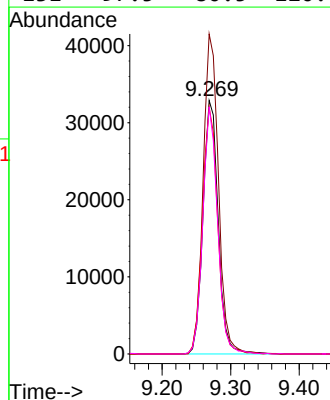
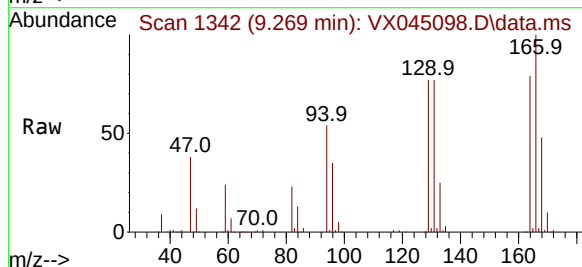
Manual Integrations
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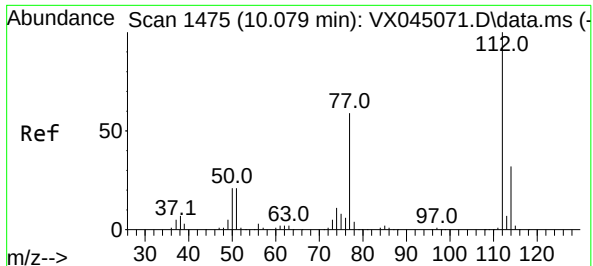
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#64
Tetrachloroethene
Concen: 52.227 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:164 Resp: 50788
Ion Ratio Lower Upper
164 100
166 126.3 103.6 155.4
129 97.4 82.7 124.1
131 97.5 80.5 120.7





#65

Chlorobenzene

Concen: 51.239 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:112 Resp: 16462

Ion Ratio Lower Upper

112 100

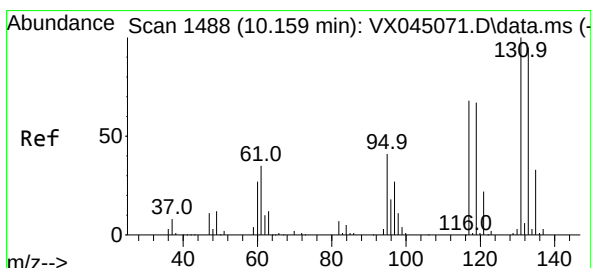
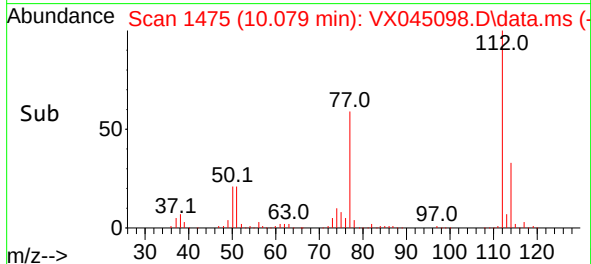
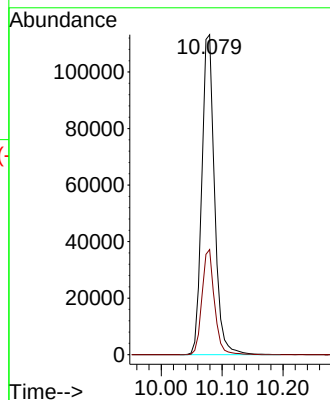
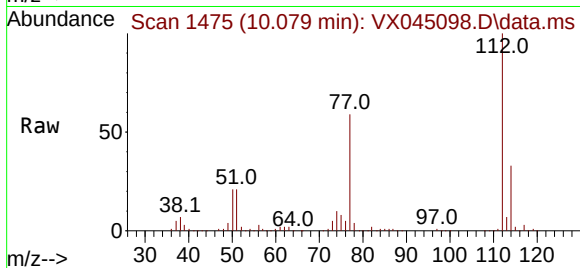
114 32.8 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 50.382 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

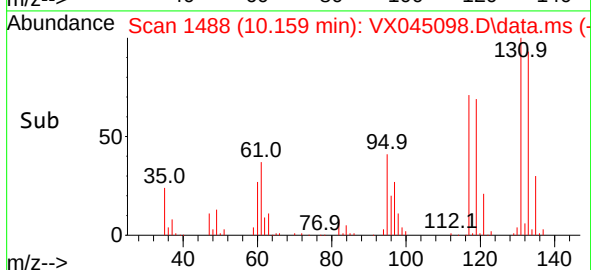
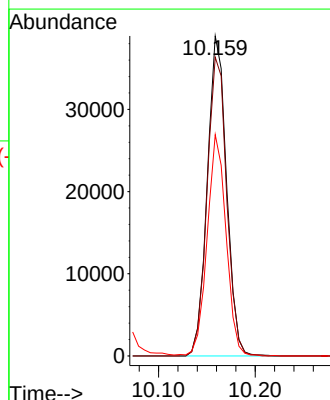
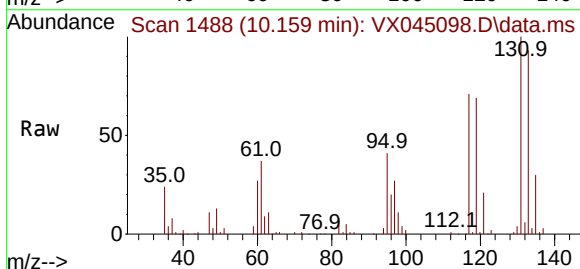
Tgt Ion:131 Resp: 53906

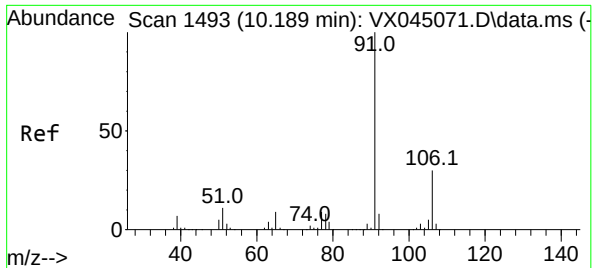
Ion Ratio Lower Upper

131 100

133 95.5 48.6 145.9

119 68.0 33.9 101.7





#67

Ethyl Benzene

Concen: 52.678 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 294898

Ion Ratio Lower Upper

91 100

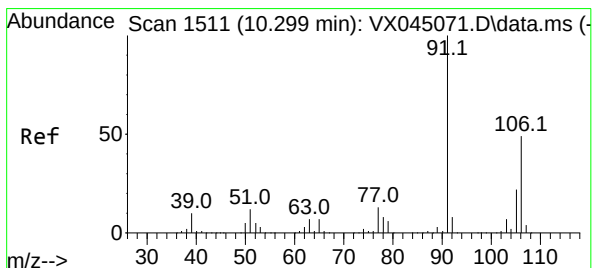
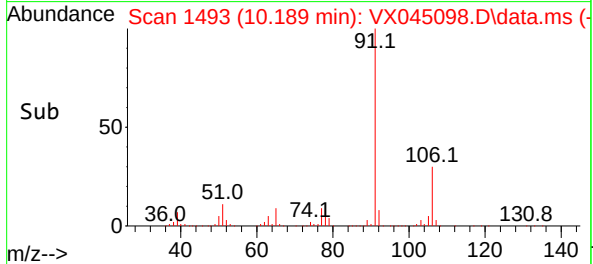
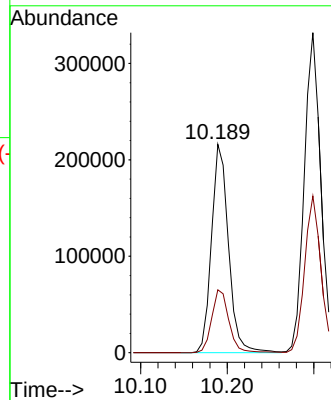
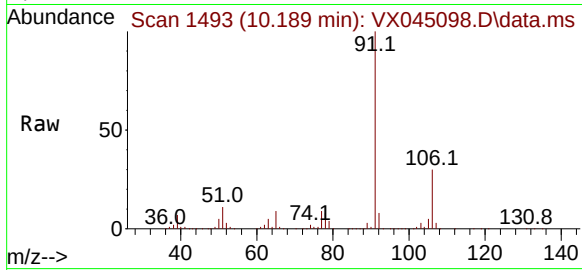
106 30.2 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#68

m/p-Xylenes

Concen: 106.271 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX045098.D

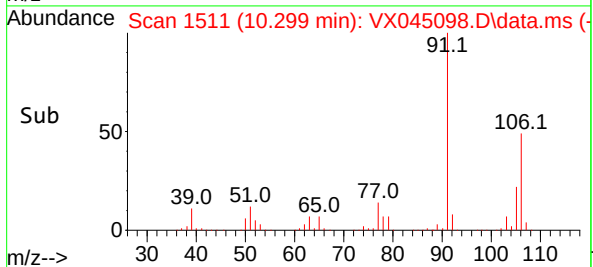
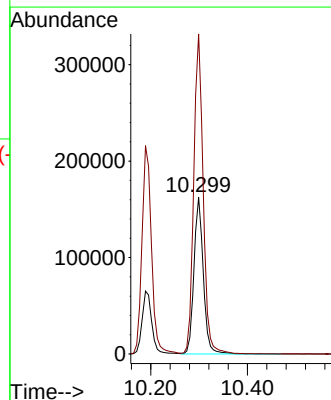
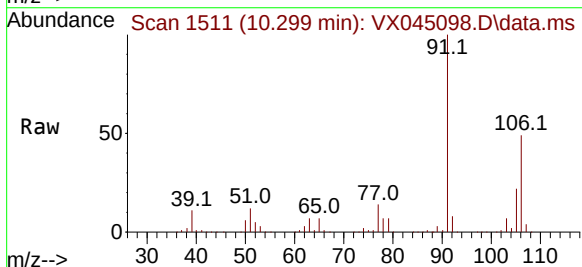
Acq: 28 Feb 2025 18:50

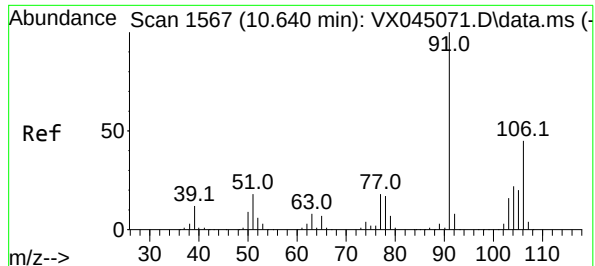
Tgt Ion:106 Resp: 217787

Ion Ratio Lower Upper

106 100

91 206.1 165.4 248.0





#69

o-Xylene

Concen: 50.972 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:106 Resp: 105354

Ion Ratio Lower Upper

106 100

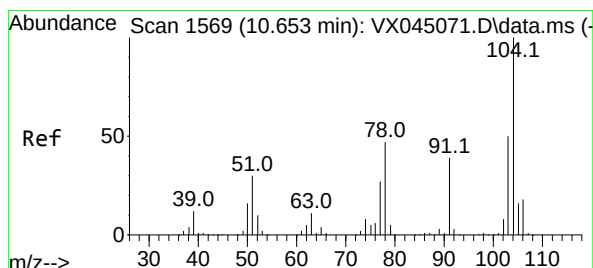
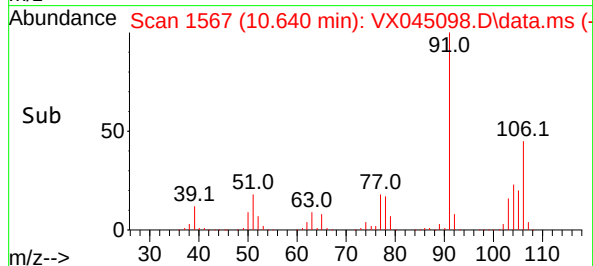
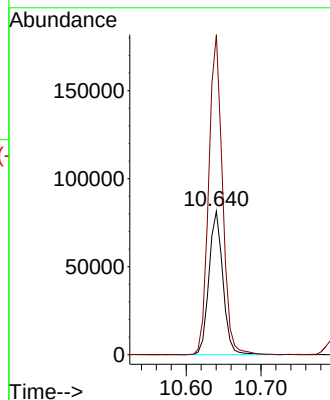
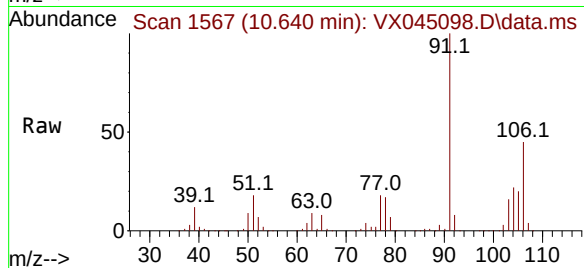
91 220.4 109.9 329.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#70

Styrene

Concen: 52.954 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

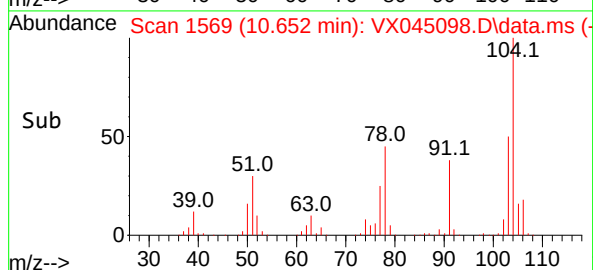
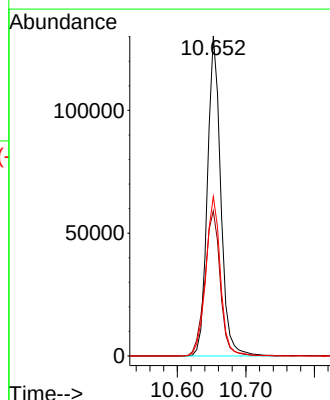
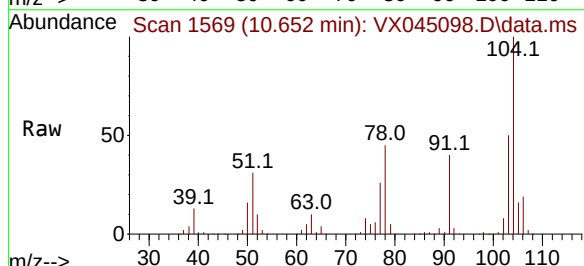
Tgt Ion:104 Resp: 177099

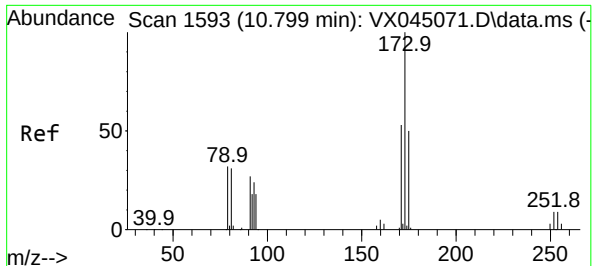
Ion Ratio Lower Upper

104 100

78 52.3 42.2 63.4

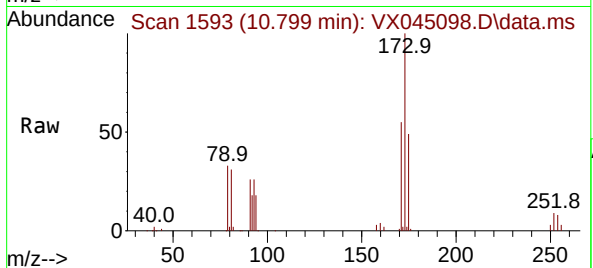
103 54.6 43.8 65.8





#71
Bromoform
Concen: 51.664 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

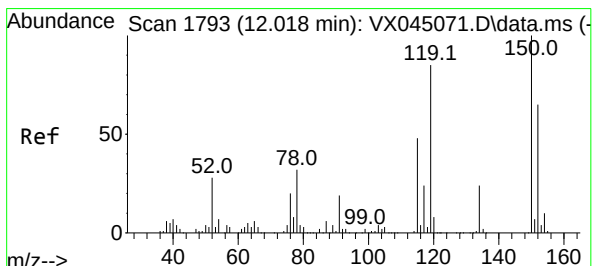
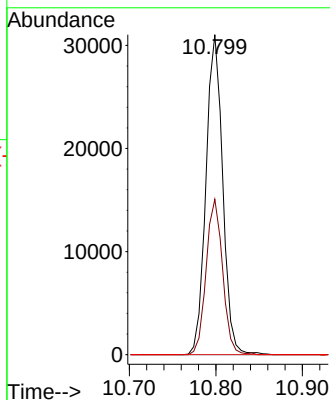
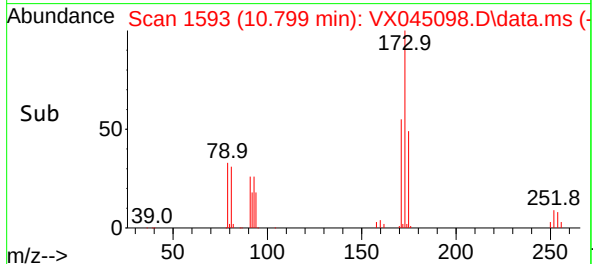
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



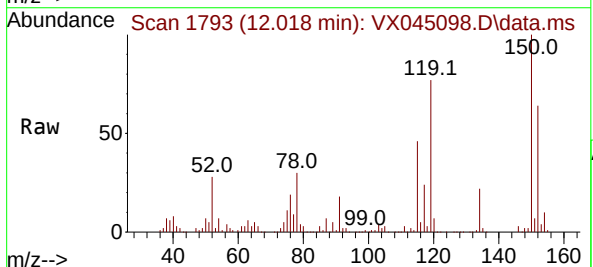
Tgt Ion:173 Resp: 41684
Ion Ratio Lower Upper
173 100
175 47.8 24.6 73.6
254 0.0 0.0 0.0

Manual Integrations
APPROVED

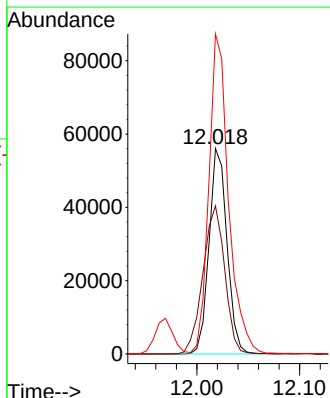
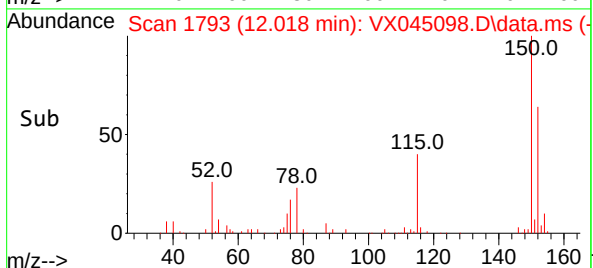
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

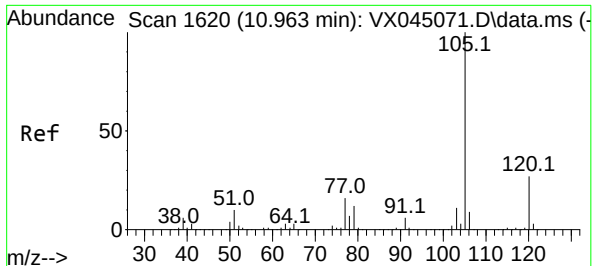


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50



Tgt Ion:152 Resp: 67962
Ion Ratio Lower Upper
152 100
115 88.0 44.2 132.6
150 171.3 0.0 349.0





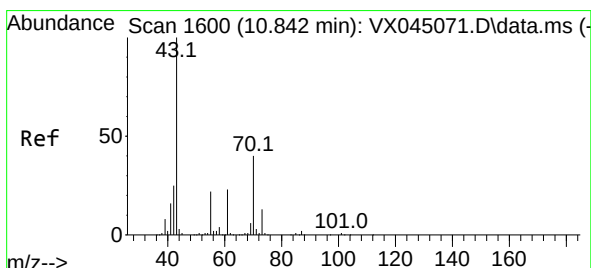
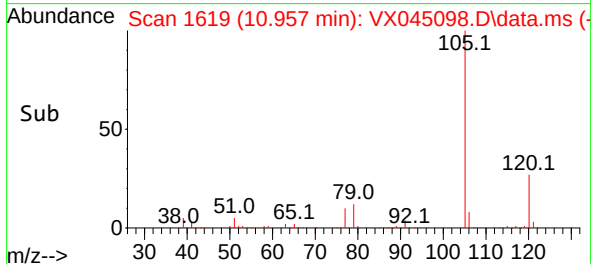
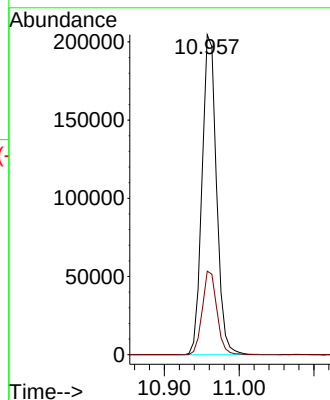
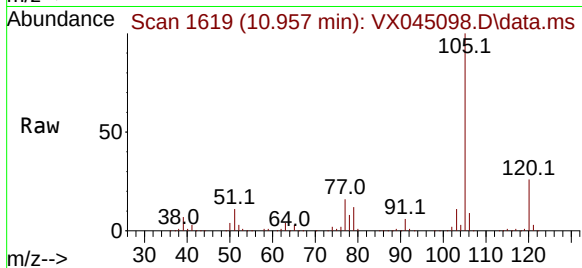
#73
Isopropylbenzene
Concen: 51.833 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 274950
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5

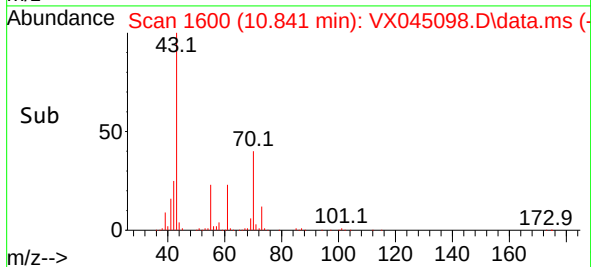
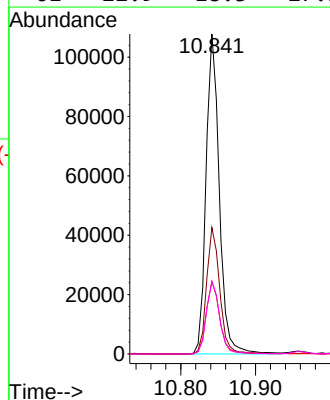
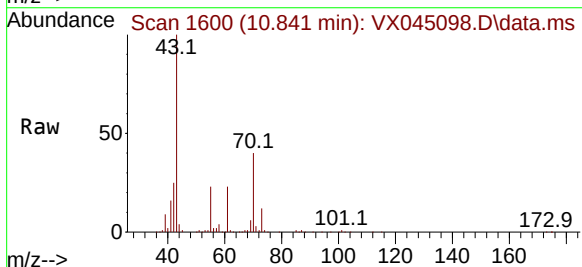
Manual Integrations
APPROVED

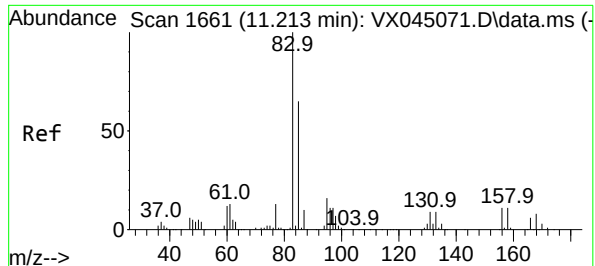
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#74
N-ethyl acetate
Concen: 53.399 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 43 Resp: 132916
Ion Ratio Lower Upper
43 100
70 39.5 31.8 47.6
55 23.1 18.3 27.5
61 22.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.649 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. -0.006 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

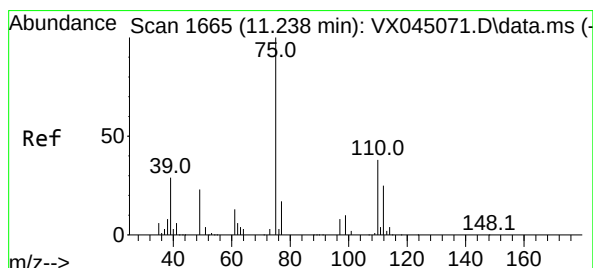
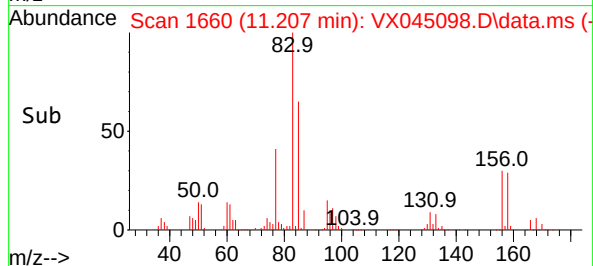
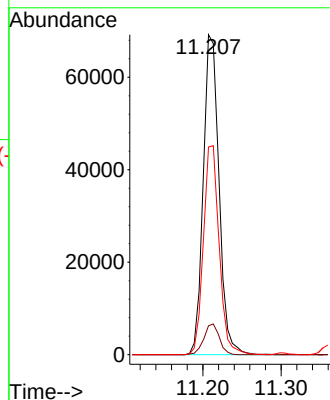
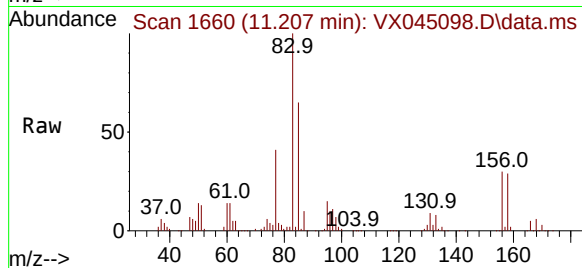
Tgt Ion:	83	Resp:	9664
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.5	13.4
85	65.3	31.7	95.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#76

1,2,3-Trichloropropane

Concen: 48.508 ug/l m

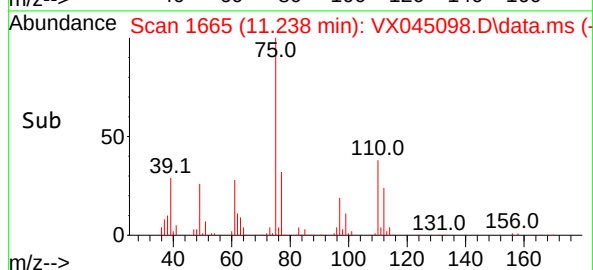
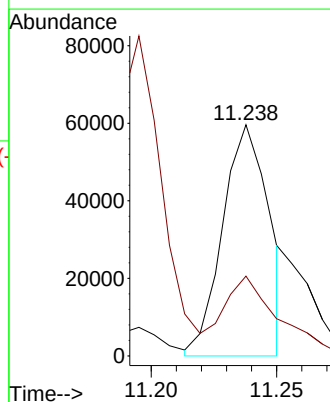
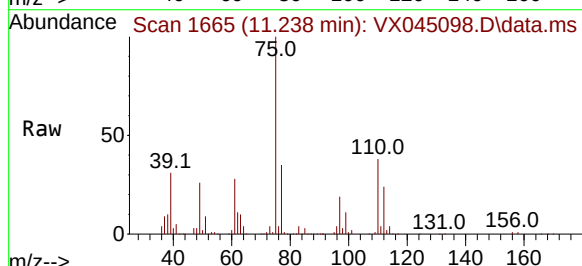
RT: 11.238 min Scan# 1665

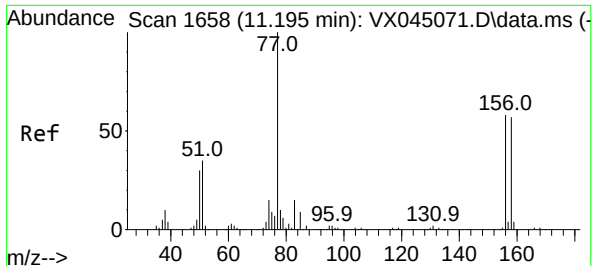
Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Tgt Ion:	75	Resp:	76731
Ion Ratio	Lower	Upper	
75	100		
77	41.5	20.7	62.1





#77

Bromobenzene

Concen: 49.973 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

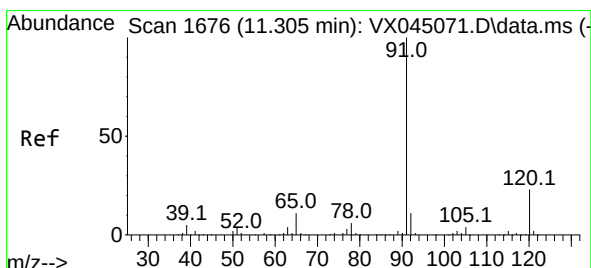
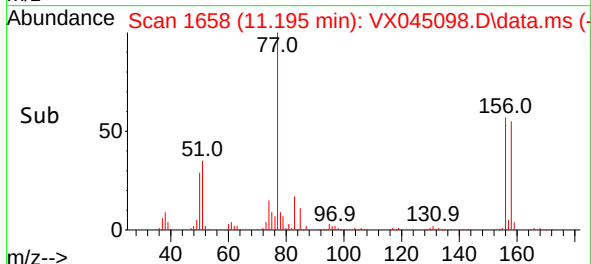
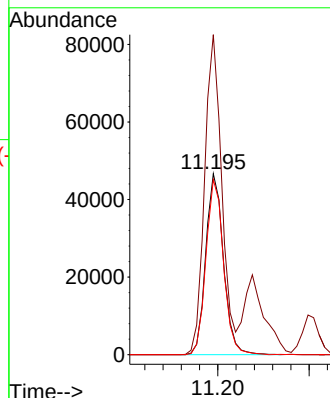
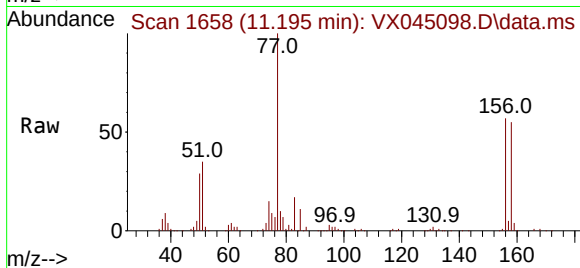
VSTDCCC050EC

Tgt Ion:156 Resp: 62540
Ion Ratio Lower Upper
156 100
77 171.3 85.8 257.4
158 96.2 48.4 145.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#78

n-propylbenzene

Concen: 52.873 ug/l

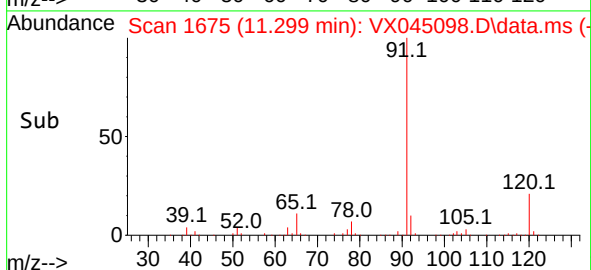
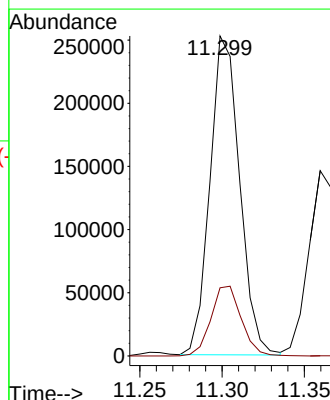
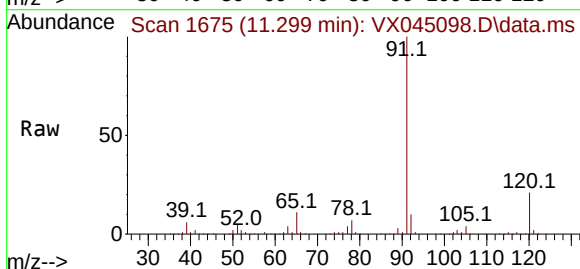
RT: 11.299 min Scan# 1675

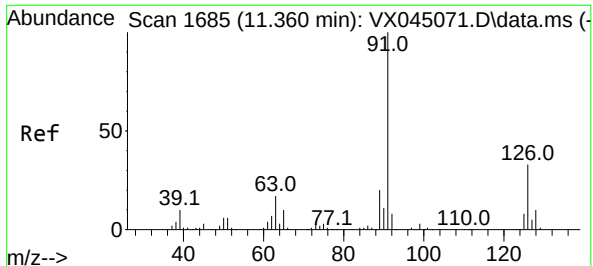
Delta R.T. -0.006 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Tgt Ion: 91 Resp: 316831
Ion Ratio Lower Upper
91 100
120 22.4 11.2 33.6





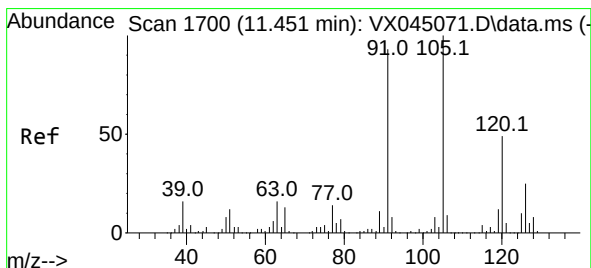
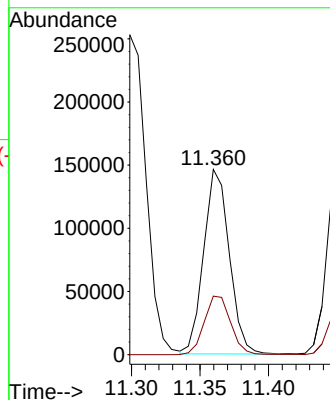
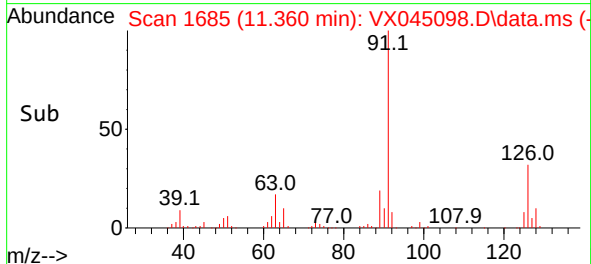
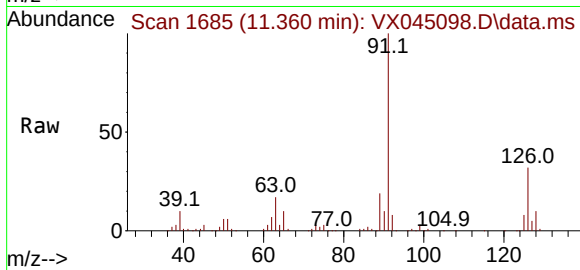
#79
2-Chlorotoluene
Concen: 49.764 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 189914
Ion Ratio Lower Upper
91 100
126 32.8 16.4 49.4

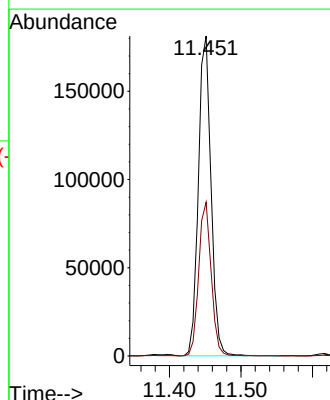
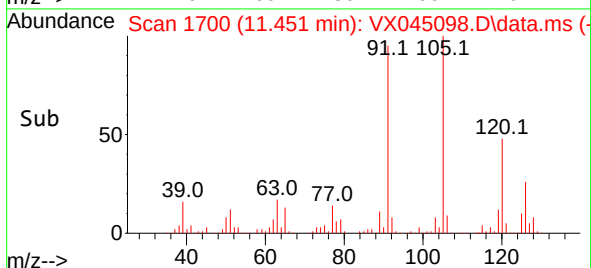
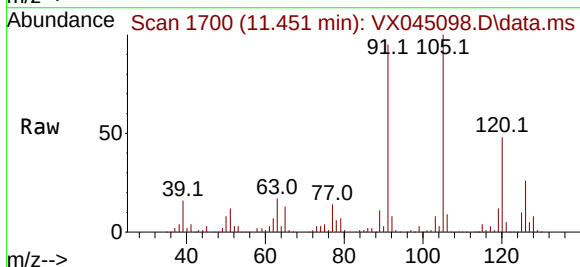
Manual Integrations
APPROVED

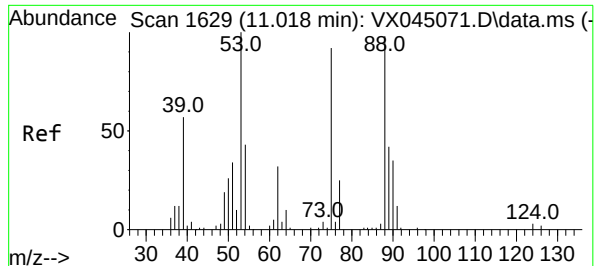
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025



#80
1,3,5-Trimethylbenzene
Concen: 51.725 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

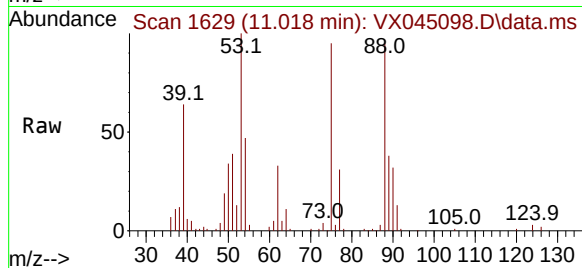
Tgt Ion:105 Resp: 221858
Ion Ratio Lower Upper
105 100
120 47.7 24.1 72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 48.890 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

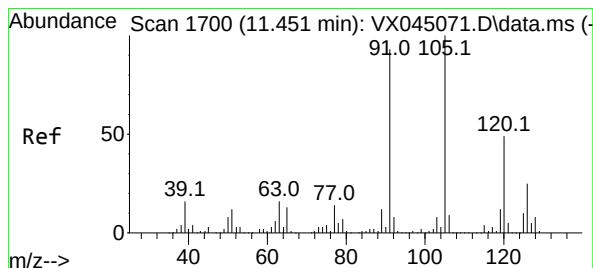
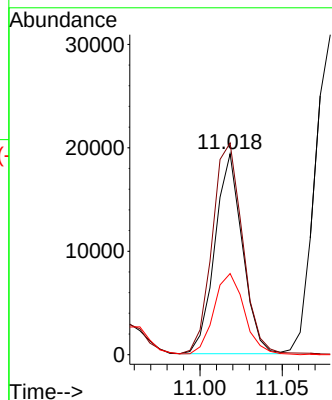
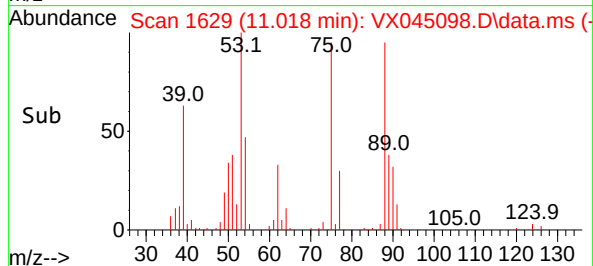
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



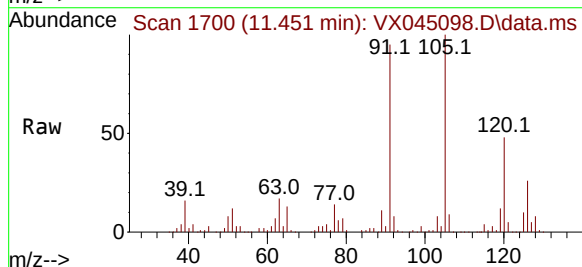
Tgt Ion: 75 Resp: 22598
Ion Ratio Lower Upper
75 100
53 117.7 88.5 132.7
89 45.0 36.2 54.4

Manual Integrations
APPROVED

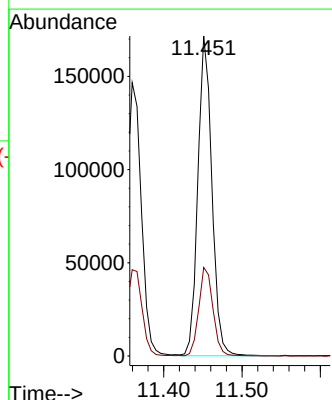
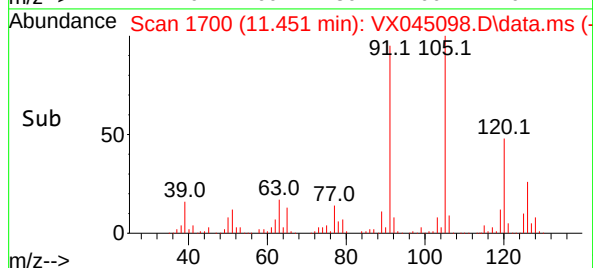
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

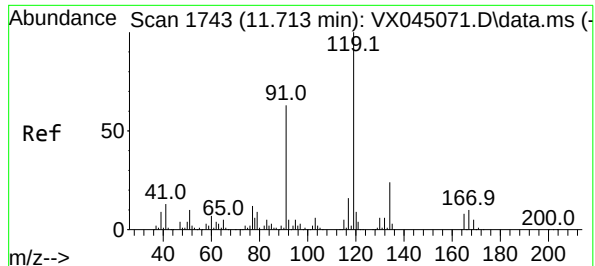


#82
4-Chlorotoluene
Concen: 51.409 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50



Tgt Ion: 91 Resp: 213820
Ion Ratio Lower Upper
91 100
126 28.1 14.1 42.4





#83

tert-Butylbenzene

Concen: 50.511 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:119 Resp: 222604

Ion Ratio Lower Upper

119 100

91 61.8 30.7 92.1

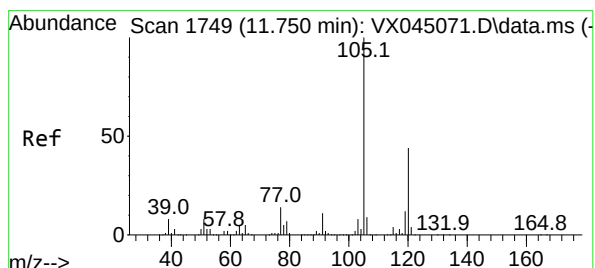
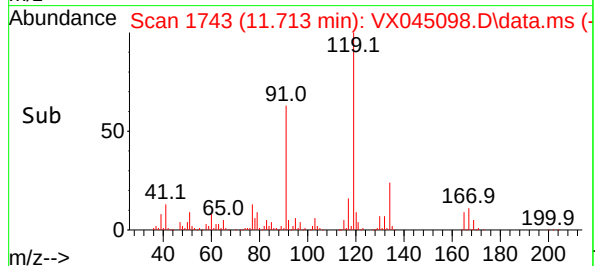
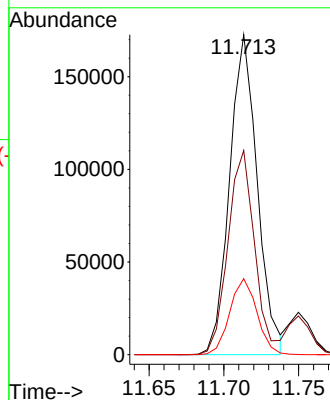
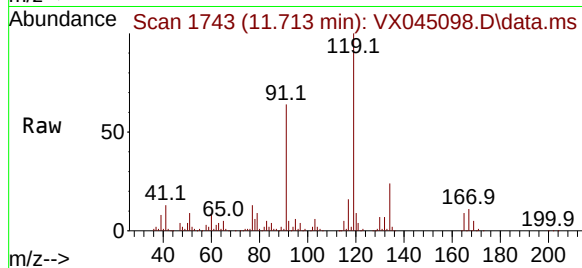
134 23.3 11.7 35.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#84

1,2,4-Trimethylbenzene

Concen: 52.432 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX045098.D

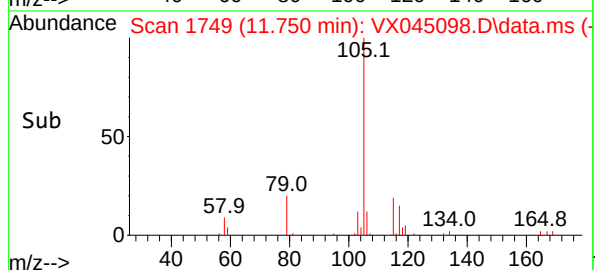
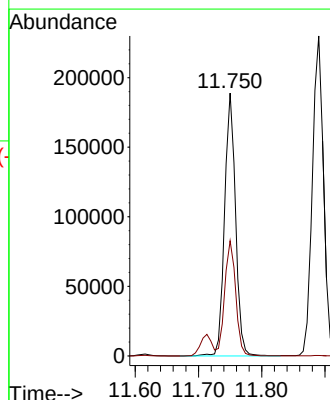
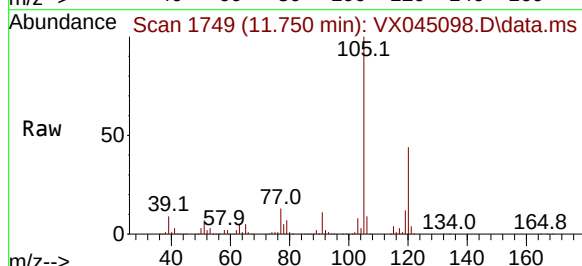
Acq: 28 Feb 2025 18:50

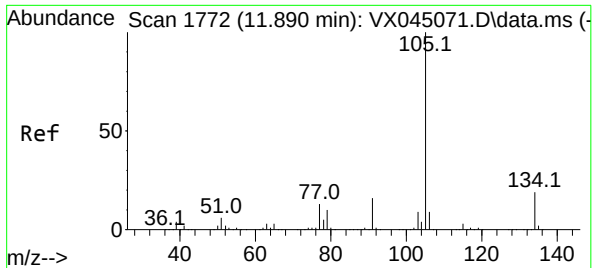
Tgt Ion:105 Resp: 226285

Ion Ratio Lower Upper

105 100

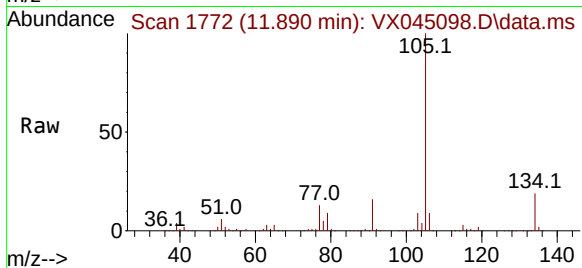
120 43.8 22.1 66.1





#85
sec-Butylbenzene
Concen: 53.152 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

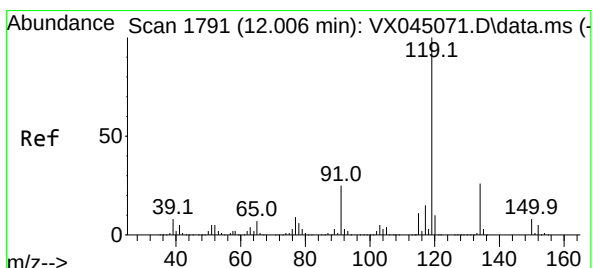
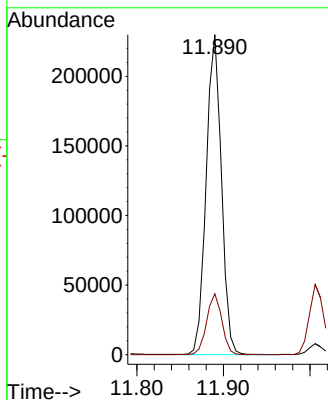
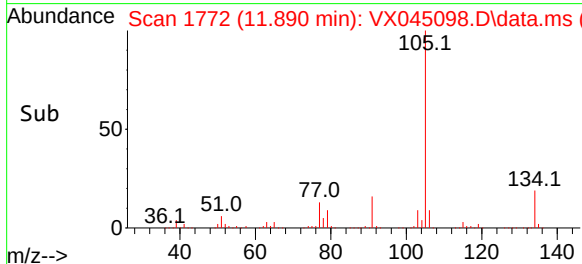
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



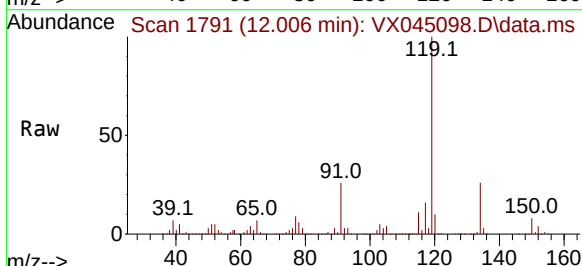
Tgt Ion:105 Resp: 28059
Ion Ratio Lower Upper
105 100
134 19.0 9.8 29.4

Manual Integrations
APPROVED

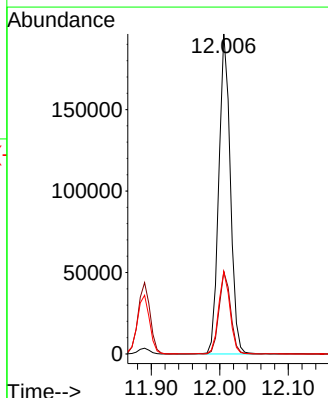
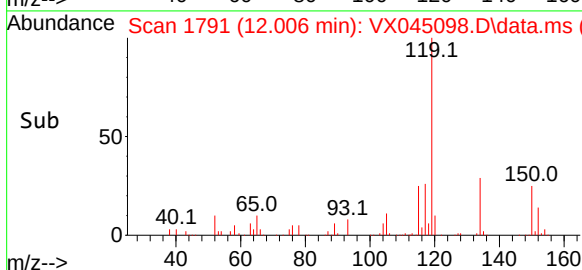
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

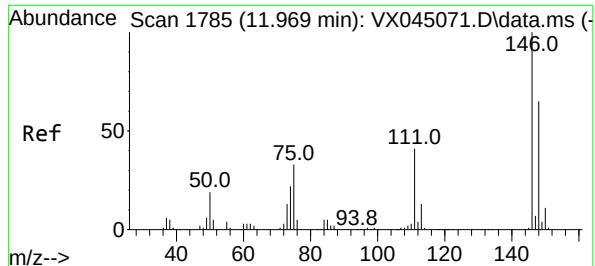


#86
p-Isopropyltoluene
Concen: 53.355 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50



Tgt Ion:119 Resp: 227625
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: 51.054 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:146 Resp: 113992

Ion Ratio Lower Upper

146 100

111 40.8 21.1 63.4

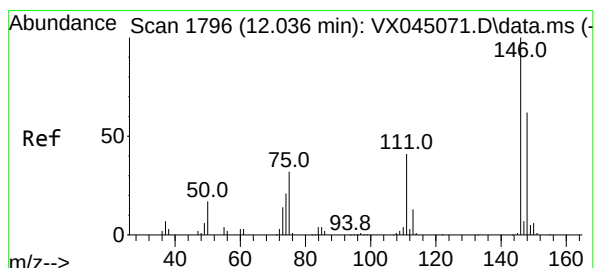
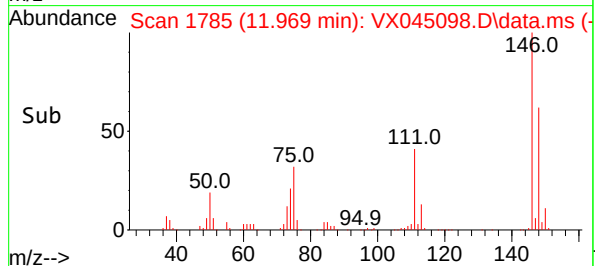
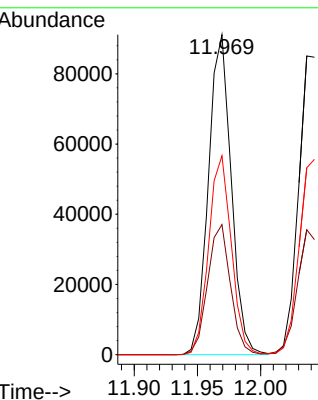
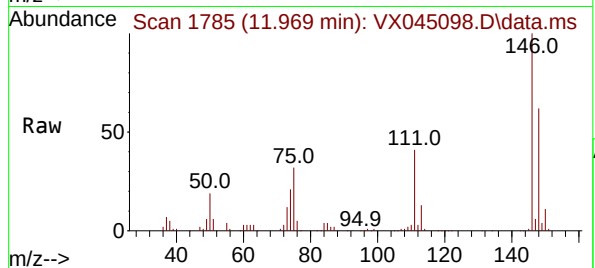
148 62.1 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#88

1,4-Dichlorobenzene

Concen: 49.967 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

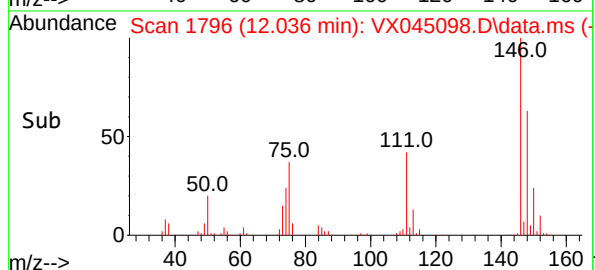
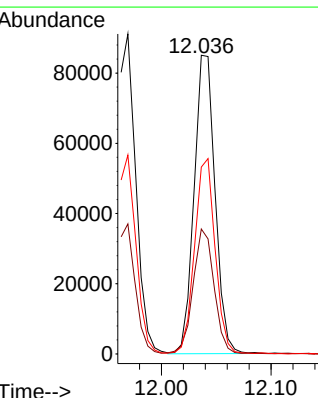
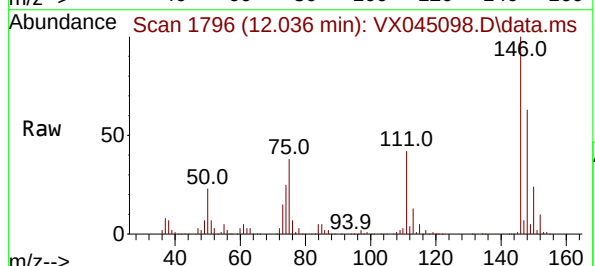
Tgt Ion:146 Resp: 112871

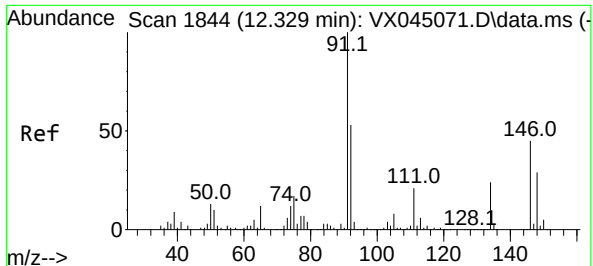
Ion Ratio Lower Upper

146 100

111 41.8 20.2 60.5

148 63.9 31.9 95.9





#89

n-Butylbenzene

Concen: 55.087 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 20241

Ion Ratio Lower Upper

91 100

92 54.4 26.7 80.0

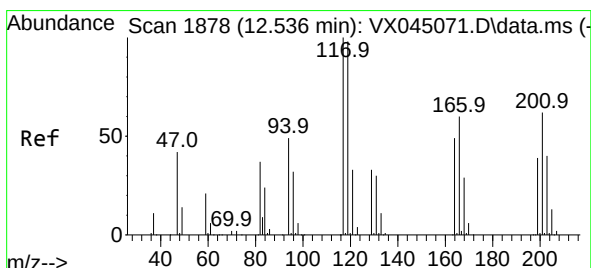
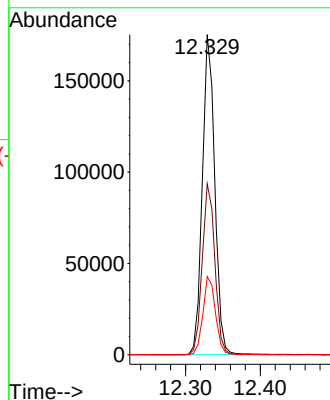
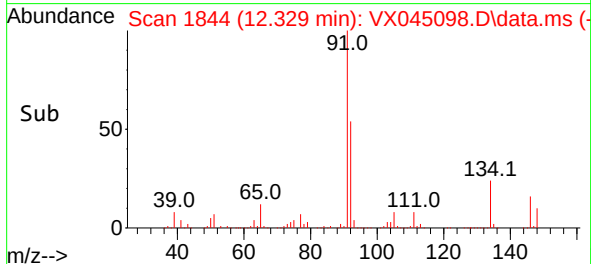
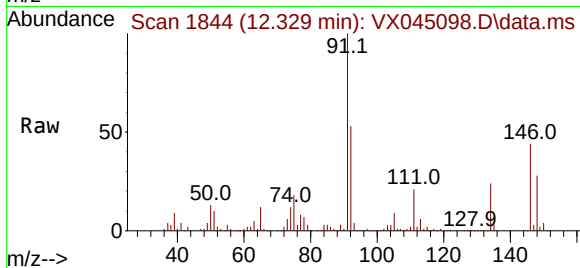
134 24.6 12.2 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#90

Hexachloroethane

Concen: 50.675 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX045098.D

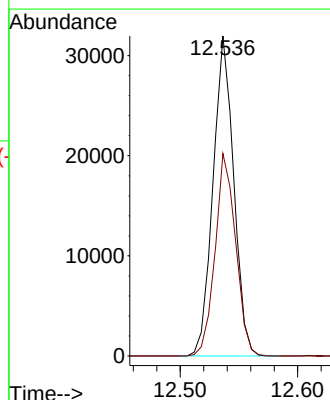
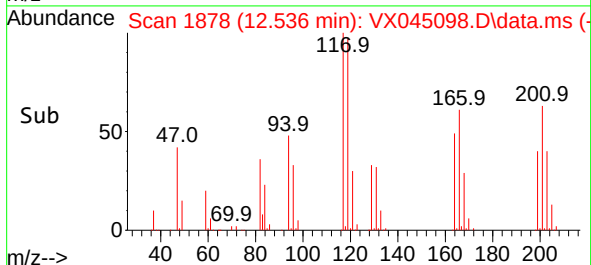
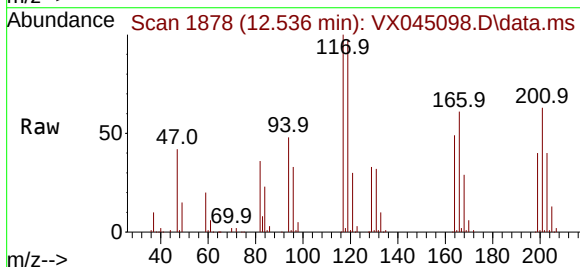
Acq: 28 Feb 2025 18:50

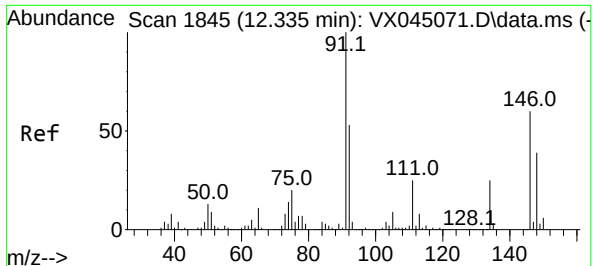
Tgt Ion:117 Resp: 39104

Ion Ratio Lower Upper

117 100

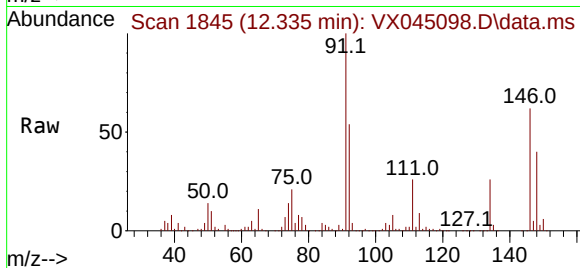
201 62.8 31.9 95.9





#91
1,2-Dichlorobenzene
Concen: 50.999 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

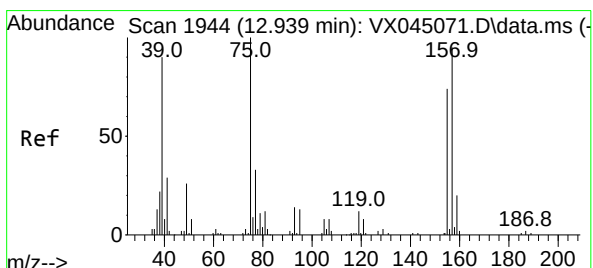
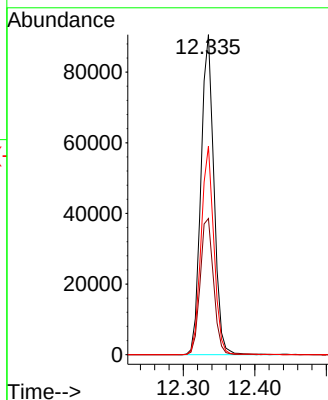
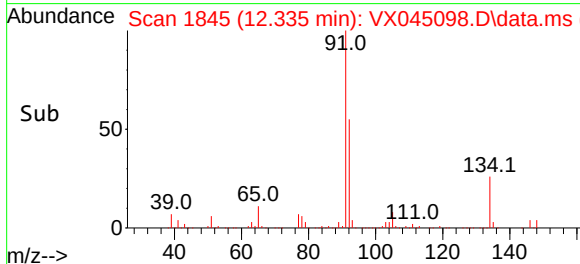
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC



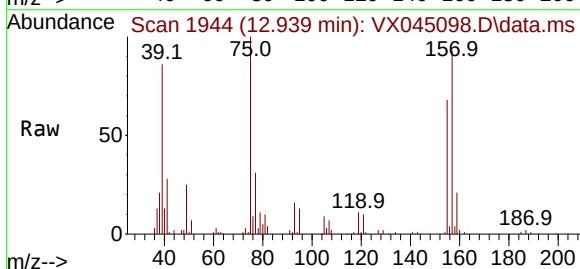
Tgt Ion:146 Resp: 114225
Ion Ratio Lower Upper
146 100
111 43.9 21.6 65.0
148 64.2 31.9 95.9

Manual Integrations
APPROVED

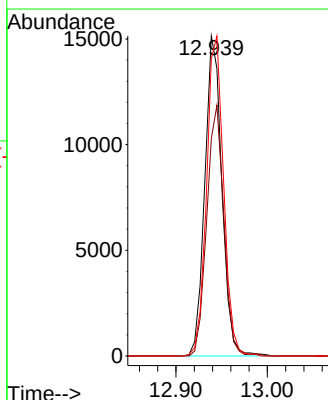
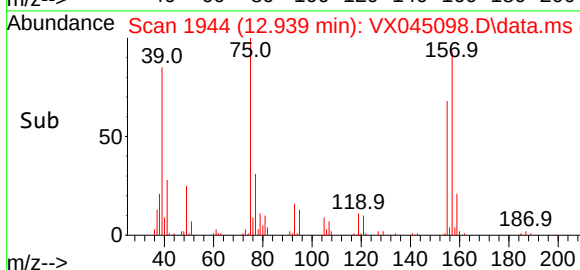
Reviewed By :John Carlone 03/03/2025
Supervised By :Mahesh Dadoda 03/03/2025

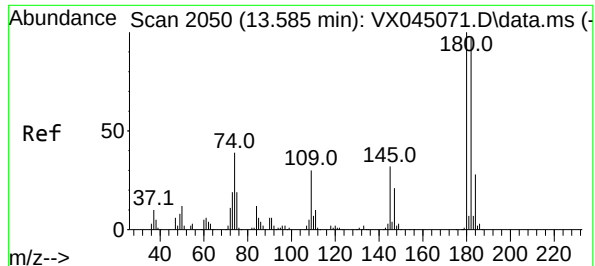


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.657 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50



Tgt Ion: 75 Resp: 19590
Ion Ratio Lower Upper
75 100
155 78.1 39.6 118.7
157 99.5 51.1 153.4





#93

1,2,4-Trichlorobenzene

Concen: 54.709 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

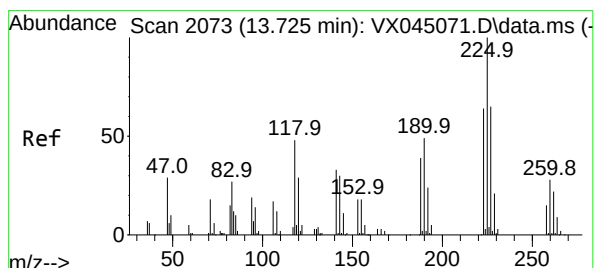
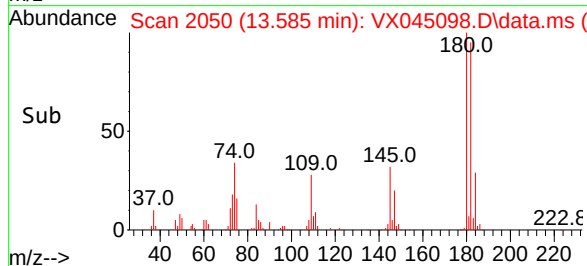
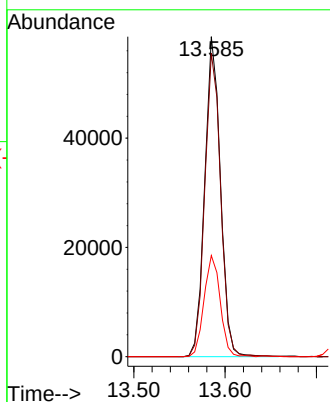
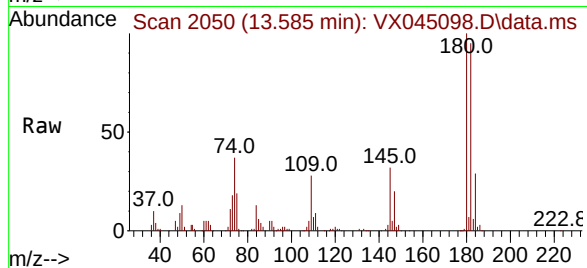
Tgt Ion:180	Resp:	6977	
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.3	141.9
145	32.5	16.3	48.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#94

Hexachlorobutadiene

Concen: 51.956 ug/l

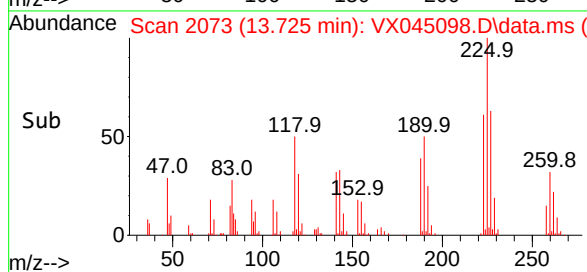
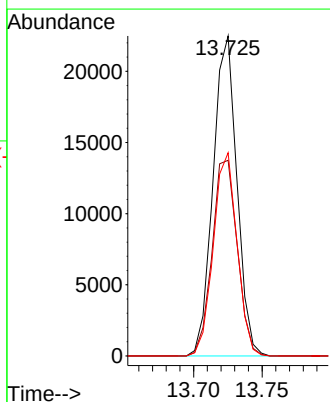
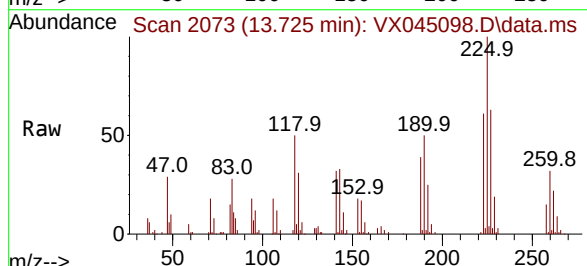
RT: 13.725 min Scan# 2073

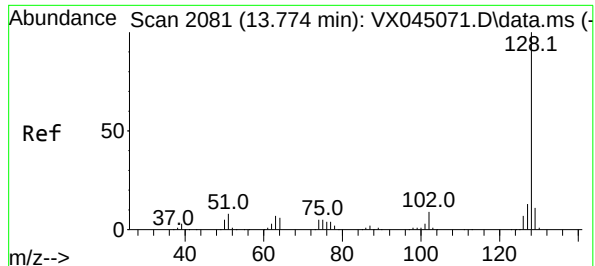
Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Tgt Ion:225	Resp:	27166	
Ion Ratio	Lower	Upper	
225	100		
223	64.6	31.9	95.7
227	63.1	31.4	94.0





#95

Naphthalene

Concen: 54.575 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:128 Resp: 267410

Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

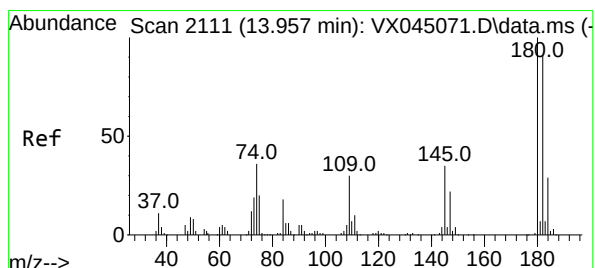
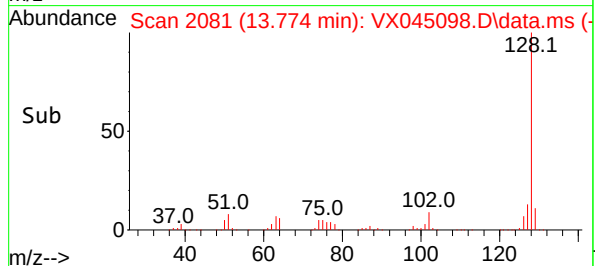
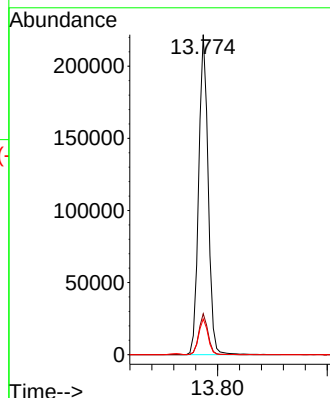
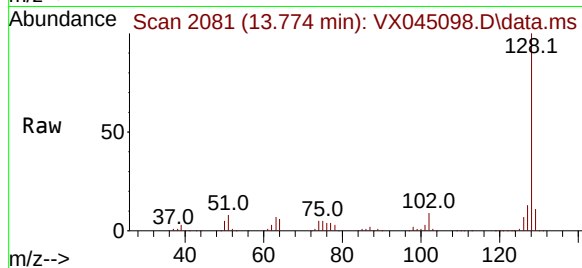
129 11.0 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#96

1,2,3-Trichlorobenzene

Concen: 53.829 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

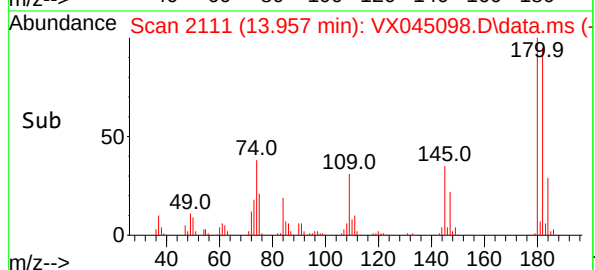
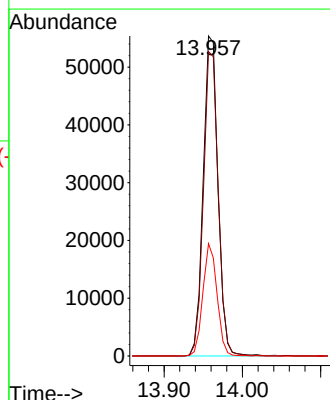
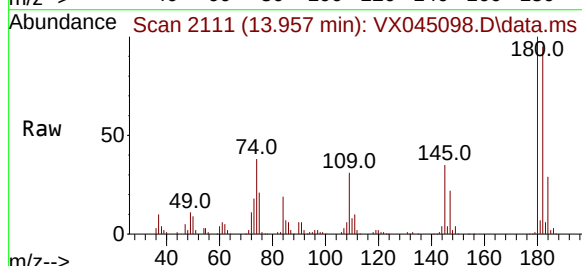
Tgt Ion:180 Resp: 72423

Ion Ratio Lower Upper

180 100

182 95.4 47.5 142.6

145 33.7 17.0 50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045098.D
Acq On : 28 Feb 2025 18:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 23:12:43 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	99	0.00
2 T	Dichlorodifluoromethane	0.629	0.608	3.3	96	0.00
3 P	Chloromethane	0.770	0.696	9.6	91	0.00
4 C	Vinyl Chloride	0.764	0.736	3.7#	95	0.00
5 T	Bromomethane	0.300	0.261	13.0	88	0.00
6 T	Chloroethane	0.352	0.305	13.4	81	0.00
7 T	Trichlorofluoromethane	1.011	0.992	1.9	93	0.00
8 T	Diethyl Ether	0.396	0.378	4.5	96	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.581	0.602	-3.6	100	0.00
10 T	Methyl Iodide	0.726	0.762	-5.0	98	0.00
11 T	Tert butyl alcohol	0.151	0.115	23.8	85	0.02
12 CM	1,1-Dichloroethene	0.614	0.600	2.3#	95	0.00
13 T	Acrolein	0.174	0.183	-5.2	104	0.00
14 T	Allyl chloride	1.094	1.109	-1.4	99	0.00
15 T	Acrylonitrile	0.404	0.383	5.2	92	0.00
16 T	Acetone	0.369	0.330	10.6	92	0.00
17 T	Carbon Disulfide	1.636	1.572	3.9	93	0.00
18 T	Methyl Acetate	0.888	0.846	4.7	96	0.00
19 T	Methyl tert-butyl Ether	2.061	2.046	0.7	97	0.00
20 T	Methylene Chloride	0.731	0.691	5.5	98	0.00
21 T	trans-1,2-Dichloroethene	0.607	0.624	-2.8	97	0.00
22 T	Diisopropyl ether	2.224	2.268	-2.0	98	0.00
23 T	Vinyl Acetate	1.856	1.929	-3.9	96	0.00
24 P	1,1-Dichloroethane	1.247	1.237	0.8	98	0.00
25 T	2-Butanone	0.555	0.536	3.4	91	0.00
26 T	2,2-Dichloropropane	0.585	0.737	-26.0#	122	0.00
27 T	cis-1,2-Dichloroethene	0.749	0.756	-0.9	98	0.00
28 T	Bromochloromethane	0.594	0.591	0.5	97	0.00
29 T	Tetrahydrofuran	0.373	0.355	4.8	94	0.00
30 C	Chloroform	1.239	1.219	1.6#	96	0.00
31 T	Cyclohexane	1.082	1.116	-3.1	99	0.00
32 T	1,1,1-Trichloroethane	1.000	1.013	-1.3	98	0.00
33 S	1,2-Dichloroethane-d4	0.795	0.780	1.9	102	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35 S	Dibromofluoromethane	0.334	0.338	-1.2	100	0.00
36 T	1,1-Dichloropropene	0.459	0.467	-1.7	97	0.00
37 T	Ethyl Acetate	0.591	0.573	3.0	92	0.00
38 T	Carbon Tetrachloride	0.465	0.475	-2.2	99	0.00
39 T	Methylcyclohexane	0.549	0.612	-11.5	102	0.00
40 TM	Benzene	1.448	1.471	-1.6	95	0.00
41 T	Methacrylonitrile	0.319	0.325	-1.9	93	0.00
42 TM	1,2-Dichloroethane	0.521	0.520	0.2	96	0.00
43 T	Isopropyl Acetate	0.874	0.893	-2.2	93	0.00
44 TM	Trichloroethene	0.340	0.344	-1.2	98	0.00
45 C	1,2-Dichloropropane	0.372	0.372	0.0	98	0.00
46 T	Dibromomethane	0.263	0.267	-1.5	96	0.00
47 T	Bromodichloromethane	0.516	0.518	-0.4	96	0.00
48 T	Methyl methacrylate	0.438	0.436	0.5	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045098.D
Acq On : 28 Feb 2025 18:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 23:12:43 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	90	0.00
50 S	Toluene-d8	1.212	1.211	0.1	97	0.00
51 T	4-Methyl-2-Pentanone	0.587	0.582	0.9	93	0.00
52 CM	Toluene	0.849	0.879	-3.5#	95	0.00
53 T	t-1,3-Dichloropropene	0.431	0.460	-6.7	95	0.00
54 T	cis-1,3-Dichloropropene	0.503	0.536	-6.6	97	0.00
55 T	1,1,2-Trichloroethane	0.350	0.342	2.3	93	0.00
56 T	Ethyl methacrylate	0.532	0.541	-1.7	92	0.00
57 T	1,3-Dichloropropane	0.605	0.596	1.5	93	0.00
58 T	2-Chloroethyl Vinyl ether	0.259	0.278	-7.3	95	0.00
59 T	2-Hexanone	0.425	0.430	-1.2	93	0.00
60 T	Dibromochloromethane	0.366	0.364	0.5	92	0.00
61 T	1,2-Dibromoethane	0.349	0.346	0.9	95	0.00
62 S	4-Bromofluorobenzene	0.402	0.392	2.5	95	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
64 T	Tetrachloroethene	0.320	0.334	-4.4	97	0.00
65 PM	Chlorobenzene	1.058	1.084	-2.5	93	0.00
66 T	1,1,1,2-Tetrachloroethane	0.352	0.355	-0.9	94	0.00
67 C	Ethyl Benzene	1.843	1.942	-5.4#	93	0.00
68 T	m/p-Xylenes	0.675	0.717	-6.2	93	0.00
69 T	o-Xylene	0.681	0.694	-1.9	92	0.00
70 T	Styrene	1.101	1.166	-5.9	93	0.00
71 P	Bromoform	0.266	0.275	-3.4	93	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
73 T	Isopropylbenzene	3.903	4.046	-3.7	93	0.00
74 T	N-amyl acetate	1.831	1.956	-6.8	94	0.00
75 P	1,1,2,2-Tetrachloroethane	1.432	1.422	0.7	96	0.00
76 T	1,2,3-Trichloropropane	1.164	1.129	3.0	94	0.00
77 T	Bromobenzene	0.921	0.920	0.1	93	0.00
78 T	n-propylbenzene	4.409	4.662	-5.7	93	0.00
79 T	2-Chlorotoluene	2.808	2.794	0.5	93	0.00
80 T	1,3,5-Trimethylbenzene	3.156	3.264	-3.4	92	0.00
81 T	trans-1,4-Dichloro-2-butene	0.340	0.333	2.1	94	0.00
82 T	4-Chlorotoluene	3.060	3.146	-2.8	93	0.00
83 T	tert-Butylbenzene	3.242	3.275	-1.0	93	0.00
84 T	1,2,4-Trimethylbenzene	3.175	3.330	-4.9	94	0.00
85 T	sec-Butylbenzene	3.884	4.129	-6.3	93	0.00
86 T	p-Isopropyltoluene	3.139	3.349	-6.7	93	0.00
87 T	1,3-Dichlorobenzene	1.643	1.677	-2.1	96	0.00
88 T	1,4-Dichlorobenzene	1.662	1.661	0.1	94	0.00
89 T	n-Butylbenzene	2.703	2.978	-10.2	94	0.00
90 T	Hexachloroethane	0.568	0.575	-1.2	91	0.00
91 T	1,2-Dichlorobenzene	1.648	1.681	-2.0	96	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.279	0.288	-3.2	95	0.00
93 T	1,2,4-Trichlorobenzene	0.938	1.027	-9.5	97	0.00
94 T	Hexachlorobutadiene	0.385	0.400	-3.9	97	0.00
95 T	Naphthalene	3.605	3.935	-9.2	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045098.D
Acq On : 28 Feb 2025 18:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 23:12:43 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	1.066	-7.7	96	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 5

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045098.D
Acq On : 28 Feb 2025 18:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 23:12:43 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	99	0.00
2 T	Dichlorodifluoromethane	50.000	48.332	3.3	96	0.00
3 P	Chloromethane	50.000	45.195	9.6	91	0.00
4 C	Vinyl Chloride	50.000	48.152	3.7#	95	0.00
5 T	Bromomethane	50.000	43.366	13.3	88	0.00
6 T	Chloroethane	50.000	43.329	13.3	81	0.00
7 T	Trichlorofluoromethane	50.000	49.043	1.9	93	0.00
8 T	Diethyl Ether	50.000	47.827	4.3	96	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	51.757	-3.5	100	0.00
10 T	Methyl Iodide	50.000	52.436	-4.9	98	0.00
11 T	Tert butyl alcohol	250.000	191.387	23.4	85	0.02
12 CM	1,1-Dichloroethene	50.000	48.851	2.3#	95	0.00
13 T	Acrolein	250.000	262.281	-4.9	104	0.00
14 T	Allyl chloride	50.000	50.713	-1.4	99	0.00
15 T	Acrylonitrile	250.000	237.322	5.1	92	0.00
16 T	Acetone	250.000	223.399	10.6	92	0.00
17 T	Carbon Disulfide	50.000	48.039	3.9	93	0.00
18 T	Methyl Acetate	50.000	47.656	4.7	96	0.00
19 T	Methyl tert-butyl Ether	50.000	49.622	0.8	97	0.00
20 T	Methylene Chloride	50.000	47.257	5.5	98	0.00
21 T	trans-1,2-Dichloroethene	50.000	51.365	-2.7	97	0.00
22 T	Diisopropyl ether	50.000	50.987	-2.0	98	0.00
23 T	Vinyl Acetate	250.000	259.857	-3.9	96	0.00
24 P	1,1-Dichloroethane	50.000	49.621	0.8	98	0.00
25 T	2-Butanone	250.000	241.451	3.4	91	0.00
26 T	2,2-Dichloropropane	50.000	63.029	-26.1#	122	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.434	-0.9	98	0.00
28 T	Bromochloromethane	50.000	49.771	0.5	97	0.00
29 T	Tetrahydrofuran	250.000	238.042	4.8	94	0.00
30 C	Chloroform	50.000	49.194	1.6#	96	0.00
31 T	Cyclohexane	50.000	51.583	-3.2	99	0.00
32 T	1,1,1-Trichloroethane	50.000	50.622	-1.2	98	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.047	1.9	102	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35 S	Dibromofluoromethane	50.000	50.487	-1.0	100	0.00
36 T	1,1-Dichloropropene	50.000	50.969	-1.9	97	0.00
37 T	Ethyl Acetate	50.000	48.511	3.0	92	0.00
38 T	Carbon Tetrachloride	50.000	51.004	-2.0	99	0.00
39 T	Methylcyclohexane	50.000	55.680	-11.4	102	0.00
40 TM	Benzene	50.000	50.791	-1.6	95	0.00
41 T	Methacrylonitrile	50.000	50.896	-1.8	93	0.00
42 TM	1,2-Dichloroethane	50.000	49.909	0.2	96	0.00
43 T	Isopropyl Acetate	50.000	51.105	-2.2	93	0.00
44 TM	Trichloroethene	50.000	50.539	-1.1	98	0.00
45 C	1,2-Dichloropropane	50.000	50.023	-0.0#	98	0.00
46 T	Dibromomethane	50.000	50.658	-1.3	96	0.00
47 T	Bromodichloromethane	50.000	50.147	-0.3	96	0.00
48 T	Methyl methacrylate	50.000	49.791	0.4	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045098.D
Acq On : 28 Feb 2025 18:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 23:12:43 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	943.544	5.6	90	0.00
50 S	Toluene-d8	50.000	49.952	0.1	97	0.00
51 T	4-Methyl-2-Pentanone	250.000	248.148	0.7	93	0.00
52 CM	Toluene	50.000	51.738	-3.5#	95	0.00
53 T	t-1,3-Dichloropropene	50.000	53.255	-6.5	95	0.00
54 T	cis-1,3-Dichloropropene	50.000	53.261	-6.5	97	0.00
55 T	1,1,2-Trichloroethane	50.000	48.933	2.1	93	0.00
56 T	Ethyl methacrylate	50.000	50.898	-1.8	92	0.00
57 T	1,3-Dichloropropane	50.000	49.251	1.5	93	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	267.883	-7.2	95	0.00
59 T	2-Hexanone	250.000	253.206	-1.3	93	0.00
60 T	Dibromochloromethane	50.000	49.736	0.5	92	0.00
61 T	1,2-Dibromoethane	50.000	49.600	0.8	95	0.00
62 S	4-Bromofluorobenzene	50.000	48.831	2.3	95	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	94	0.00
64 T	Tetrachloroethene	50.000	52.227	-4.5	97	0.00
65 PM	Chlorobenzene	50.000	51.239	-2.5	93	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	50.382	-0.8	94	0.00
67 C	Ethyl Benzene	50.000	52.678	-5.4#	93	0.00
68 T	m/p-Xylenes	100.000	106.271	-6.3	93	0.00
69 T	o-Xylene	50.000	50.972	-1.9	92	0.00
70 T	Styrene	50.000	52.954	-5.9	93	0.00
71 P	Bromoform	50.000	51.664	-3.3	93	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	95	0.00
73 T	Isopropylbenzene	50.000	51.833	-3.7	93	0.00
74 T	N-amyl acetate	50.000	53.399	-6.8	94	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.649	0.7	96	0.00
76 T	1,2,3-Trichloropropane	50.000	48.508	3.0	94	0.00
77 T	Bromobenzene	50.000	49.973	0.1	93	0.00
78 T	n-propylbenzene	50.000	52.873	-5.7	93	0.00
79 T	2-Chlorotoluene	50.000	49.764	0.5	93	0.00
80 T	1,3,5-Trimethylbenzene	50.000	51.725	-3.5	92	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	48.890	2.2	94	0.00
82 T	4-Chlorotoluene	50.000	51.409	-2.8	93	0.00
83 T	tert-Butylbenzene	50.000	50.511	-1.0	93	0.00
84 T	1,2,4-Trimethylbenzene	50.000	52.432	-4.9	94	0.00
85 T	sec-Butylbenzene	50.000	53.152	-6.3	93	0.00
86 T	p-Isopropyltoluene	50.000	53.355	-6.7	93	0.00
87 T	1,3-Dichlorobenzene	50.000	51.054	-2.1	96	0.00
88 T	1,4-Dichlorobenzene	50.000	49.967	0.1	94	0.00
89 T	n-Butylbenzene	50.000	55.087	-10.2	94	0.00
90 T	Hexachloroethane	50.000	50.675	-1.3	91	0.00
91 T	1,2-Dichlorobenzene	50.000	50.999	-2.0	96	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	51.657	-3.3	95	0.00
93 T	1,2,4-Trichlorobenzene	50.000	54.709	-9.4	97	0.00
94 T	Hexachlorobutadiene	50.000	51.956	-3.9	97	0.00
95 T	Naphthalene	50.000	54.575	-9.2	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045098.D
Acq On : 28 Feb 2025 18:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Feb 28 23:12:43 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	53.829	-7.7	96	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



QC SAMPLE DATA

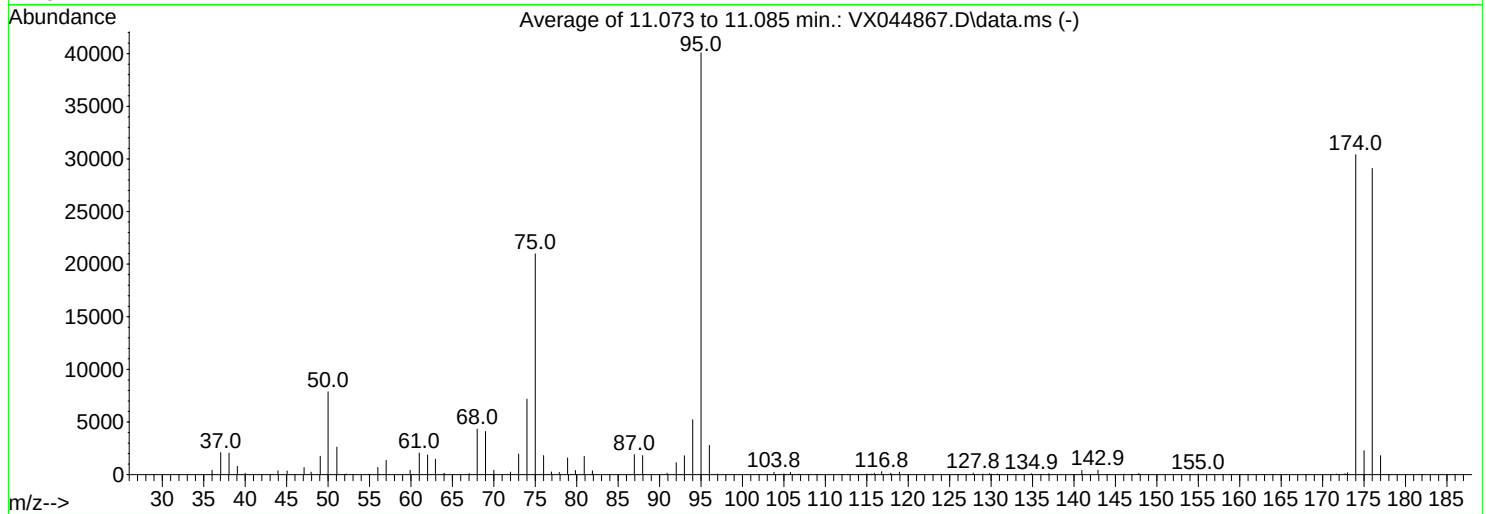
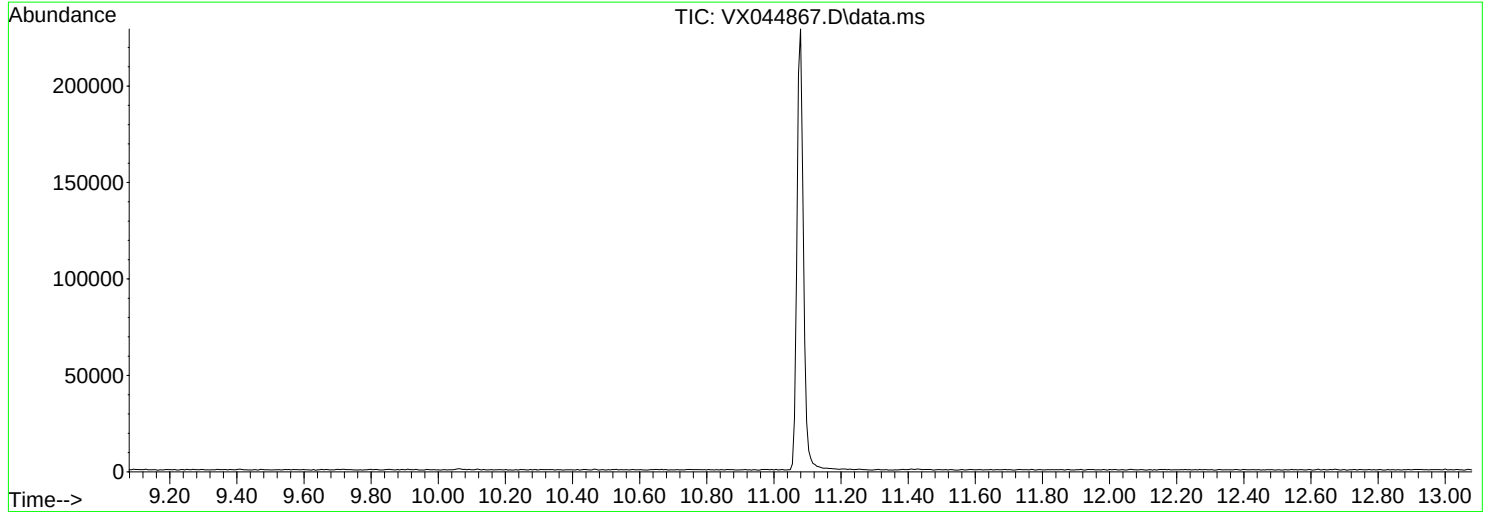
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044867.D
Acq On : 10 Feb 2025 09:35
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Title : SW846 8260
Last Update : Tue Feb 11 03:41:08 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

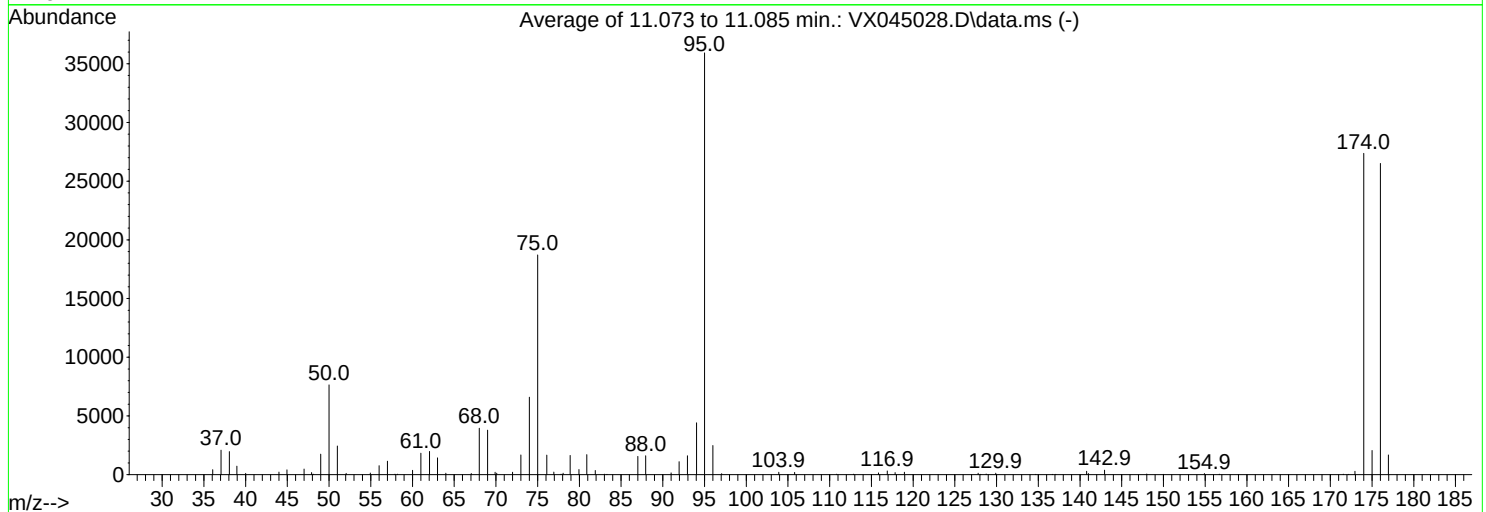
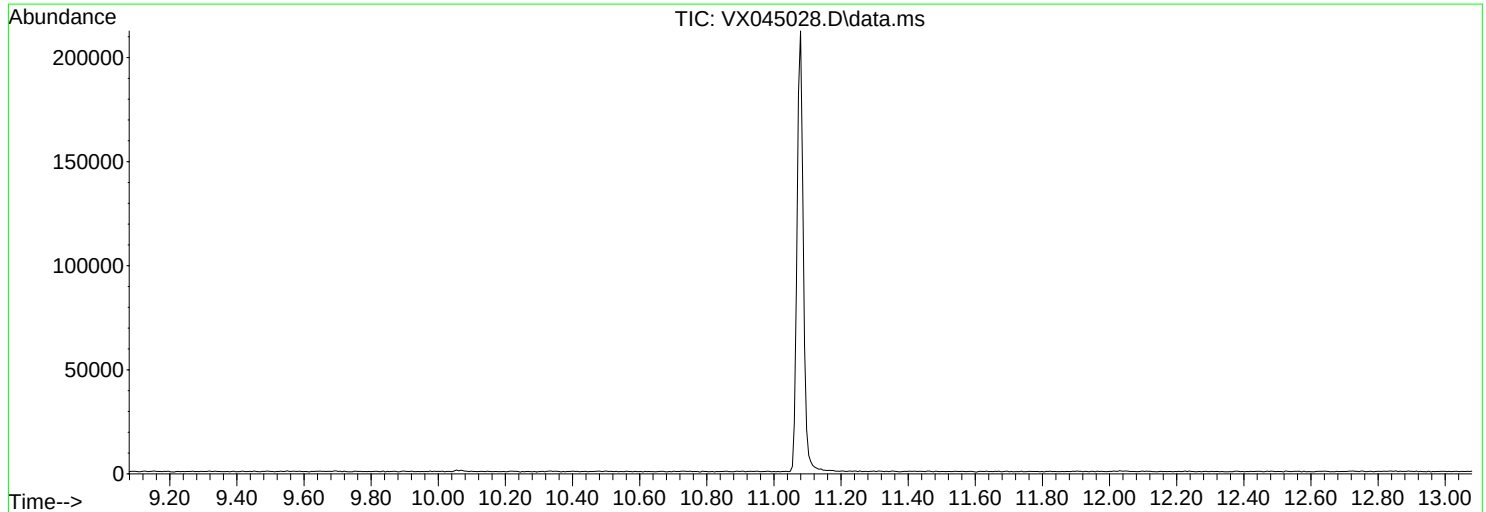
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	19.7	7876	PASS
75	95	30	60	52.3	20977	PASS
95	95	100	100	100.0	40077	PASS
96	95	5	9	6.9	2783	PASS
173	174	0.00	2	0.6	186	PASS
174	95	50	100	75.9	30400	PASS
175	174	5	9	7.5	2286	PASS
176	174	95	101	95.7	29104	PASS
177	176	5	9	6.2	1810	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045028.D
Acq On : 25 Feb 2025 09:30
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\82X021025W.M
Title : SW846 8260
Last Update : Tue Feb 11 03:41:08 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

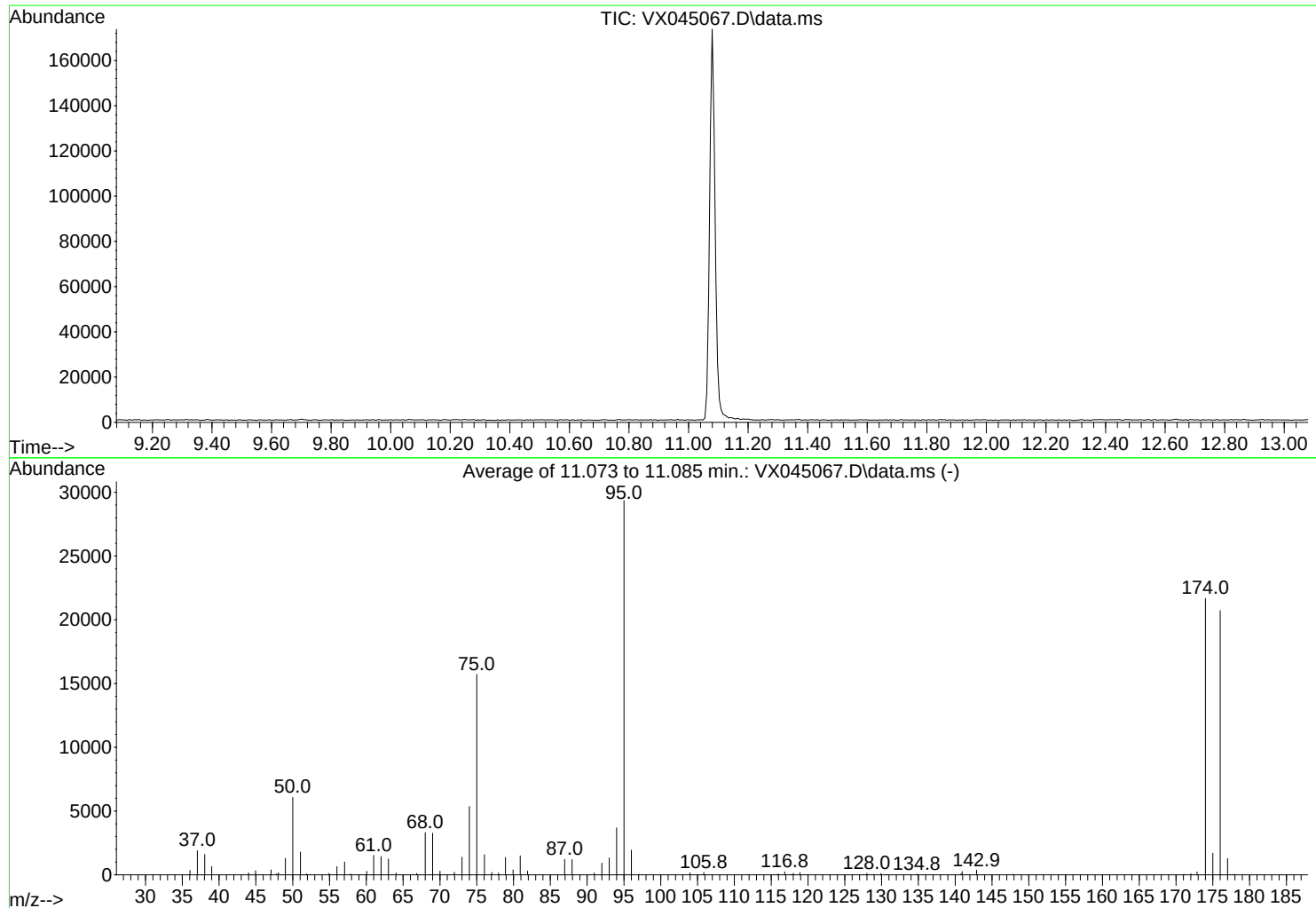
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	21.3	7648	PASS
75	95	30	60	52.1	18718	PASS
95	95	100	100	100.0	35928	PASS
96	95	5	9	6.9	2482	PASS
173	174	0.00	2	1.0	281	PASS
174	95	50	100	76.2	27363	PASS
175	174	5	9	7.5	2061	PASS
176	174	95	101	96.9	26515	PASS
177	176	5	9	6.3	1671	PASS

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

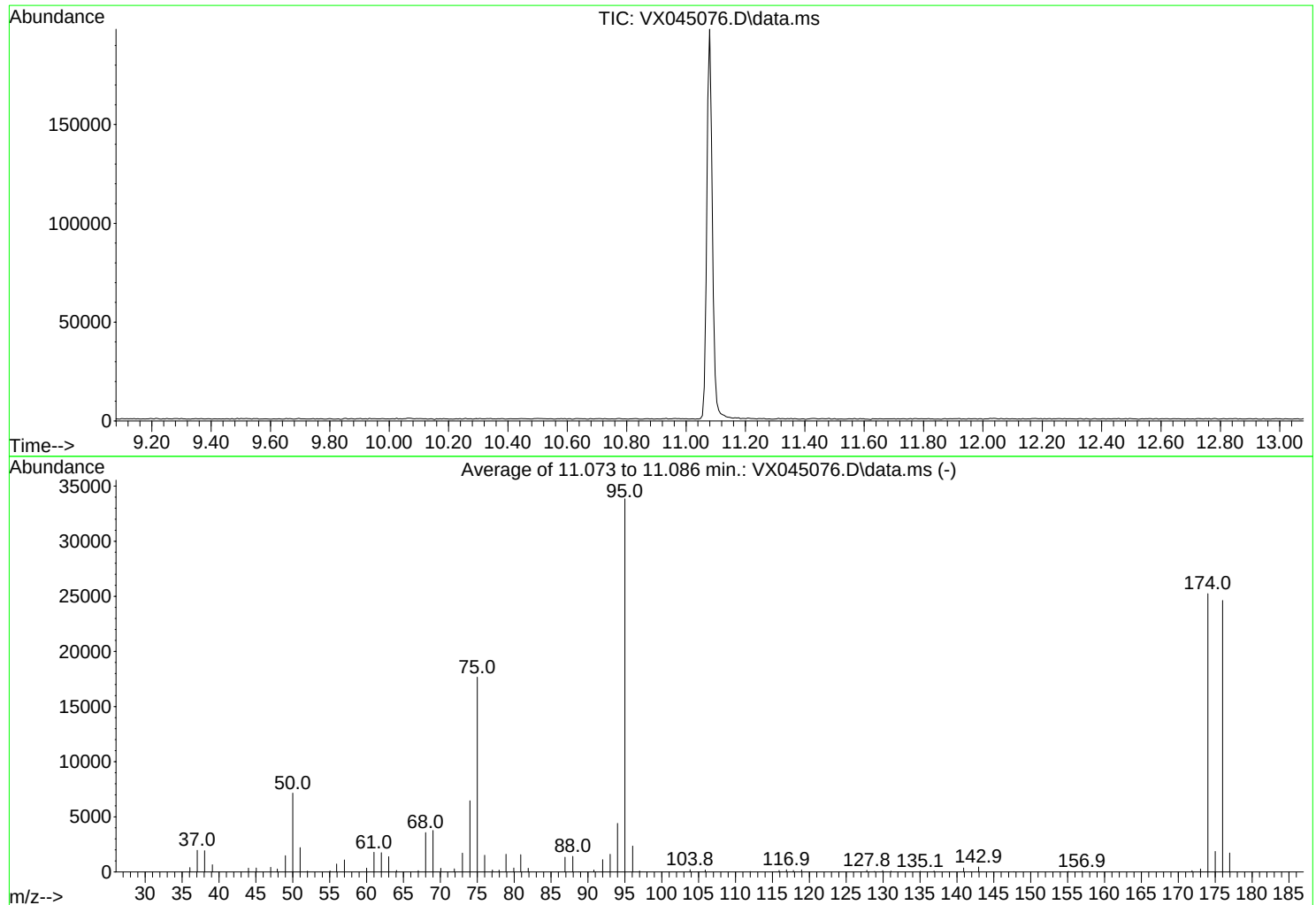
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	20.7	6072	PASS
75	95	30	60	53.6	15726	PASS
95	95	100	100	100.0	29360	PASS
96	95	5	9	6.6	1942	PASS
173	174	0.00	2	1.0	219	PASS
174	95	50	100	73.8	21677	PASS
175	174	5	9	7.9	1702	PASS
176	174	95	101	95.6	20723	PASS
177	176	5	9	6.2	1277	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045076.D
Acq On : 28 Feb 2025 10:03
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	21.1	7149	PASS
75	95	30	60	52.2	17664	PASS
95	95	100	100	100.0	33848	PASS
96	95	5	9	6.9	2351	PASS
173	174	0.00	2	1.0	264	PASS
174	95	50	100	74.6	25245	PASS
175	174	5	9	7.4	1861	PASS
176	174	95	101	97.6	24632	PASS
177	176	5	9	7.0	1725	PASS

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	CTO WE13		Date Received:	
Client Sample ID:	VX0225WBL01		SDG No.:	Q1423
Lab Sample ID:	VX0225WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045031.D	1		02/25/25 12:07	VX022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	CTO WE13		Date Received:	
Client Sample ID:	VX0225WBL01		SDG No.:	Q1423
Lab Sample ID:	VX0225WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045031.D	1		02/25/25 12:07	VX022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.6		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	48.4		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5		85 - 114		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	79400	5.55				
540-36-3	1,4-Difluorobenzene	159000	6.757				
3114-55-4	Chlorobenzene-d5	143000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	58400	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
007446-09-5	Sulfur dioxide	6.40	J			1.24	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX0225WBL01	SDG No.:	Q1423
Lab Sample ID:	VX0225WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045031.D	1		02/25/25 12:07	VX022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX022525\
Data File : VX045031.D
Acq On : 25 Feb 2025 12:07
Operator : JC/MD
Sample : VX0225WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBL01

Quant Time: Feb 25 12:33:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	79395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	159366	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	142850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58355	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62289	53.60	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.20%
35) Dibromofluoromethane	5.379	113	52139	50.32	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.64%
50) Toluene-d8	8.647	98	189606	48.39	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.78%
62) 4-Bromofluorobenzene	11.079	95	62773	47.52	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.04%

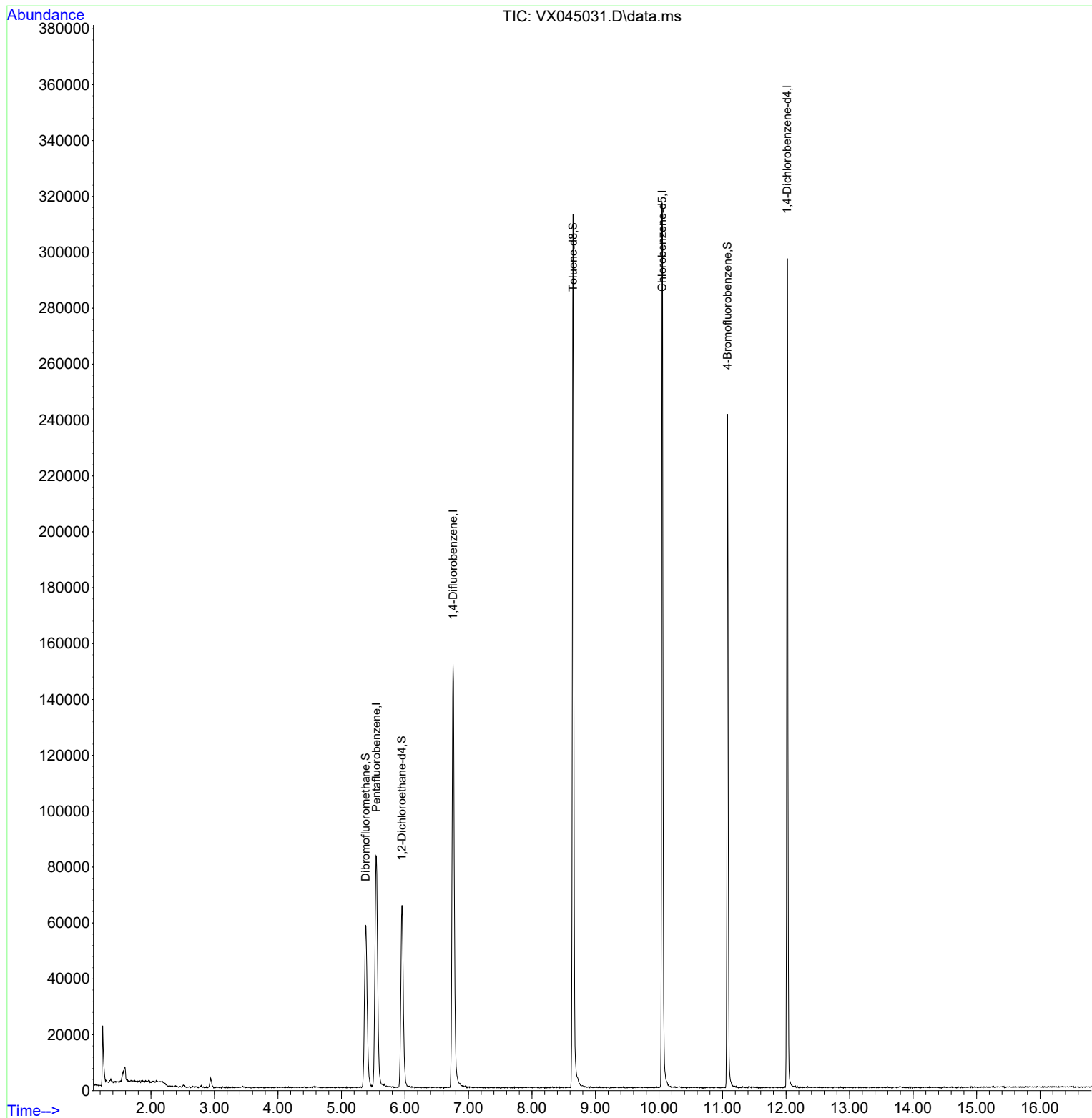
Target Compounds	Qvalue
------------------	--------

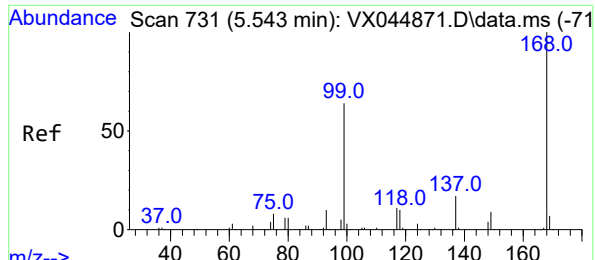
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045031.D
Acq On : 25 Feb 2025 12:07
Operator : JC/MD
Sample : VX0225WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBL01

Quant Time: Feb 25 12:33:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

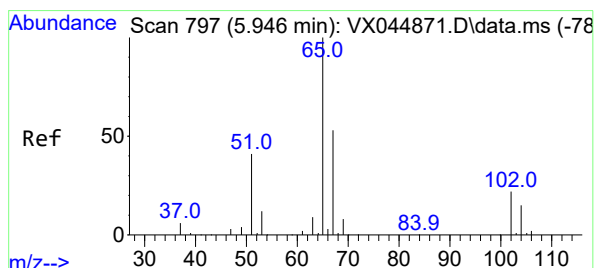
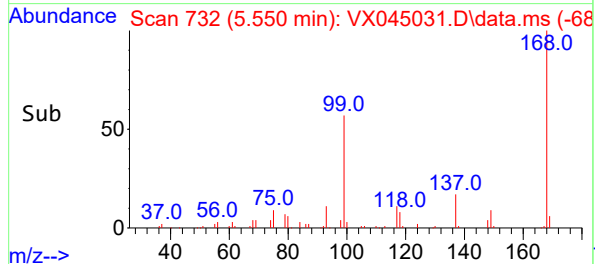
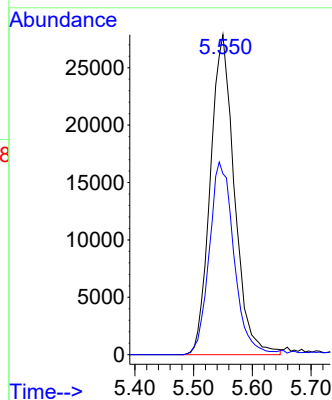
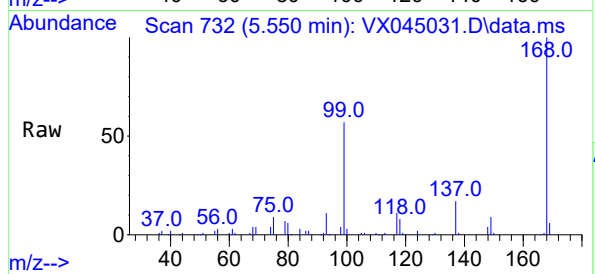




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX045031.D
Acq: 25 Feb 2025 12:07

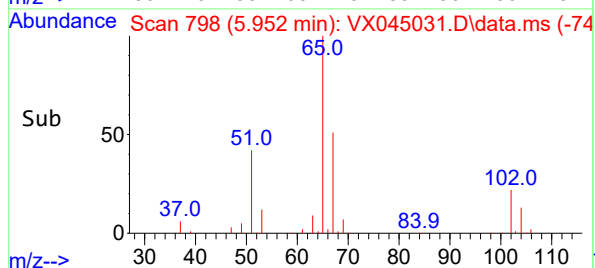
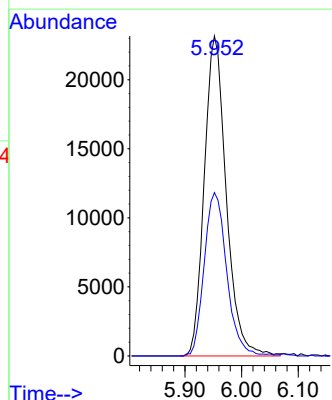
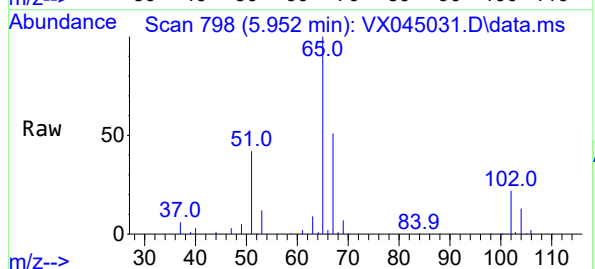
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBL01

Tgt Ion:168 Resp: 79395
Ion Ratio Lower Upper
168 100
99 56.5 51.2 76.8

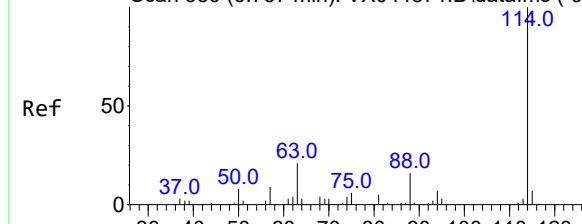


#33
1,2-Dichloroethane-d4
Concen: 53.60 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX045031.D
Acq: 25 Feb 2025 12:07

Tgt Ion: 65 Resp: 62289
Ion Ratio Lower Upper
65 100
67 52.6 0.0 108.2

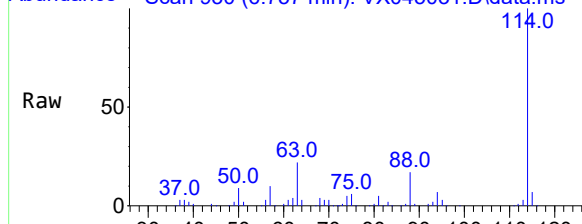


Abundance Scan 930 (6.757 min): VX044871.D\data.ms (-92



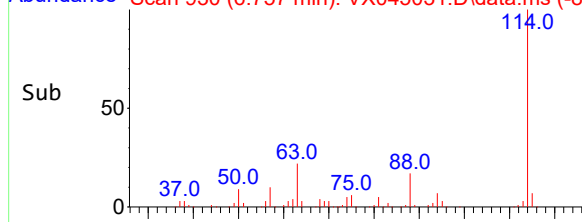
m/z-->

Abundance Scan 930 (6.757 min): VX045031.D\data.ms



m/z-->

Abundance Scan 930 (6.757 min): VX045031.D\data.ms (-88



m/z-->

#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.757 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX045031.D

Acq: 25 Feb 2025 12:07

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBL01

Tgt Ion:114 Resp: 159366

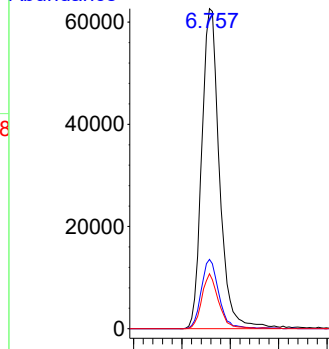
Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.4

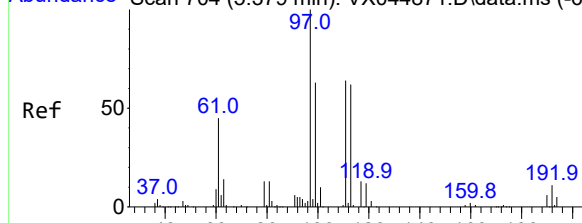
88 17.2 0.0 31.4

Abundance



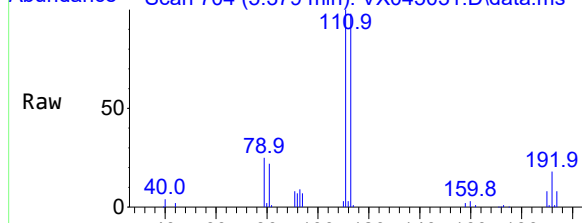
Time-->

Abundance Scan 704 (5.379 min): VX044871.D\data.ms (-69



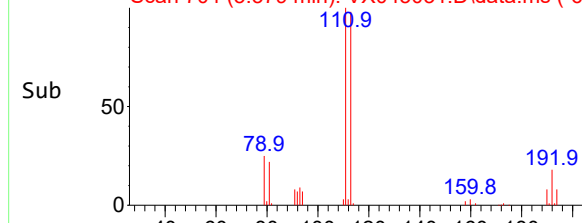
m/z-->

Abundance Scan 704 (5.379 min): VX045031.D\data.ms



m/z-->

Abundance Scan 704 (5.379 min): VX045031.D\data.ms (-65



m/z-->

#35

Dibromofluoromethane

Concen: 50.32 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX045031.D

Acq: 25 Feb 2025 12:07

Tgt Ion:113 Resp: 52139

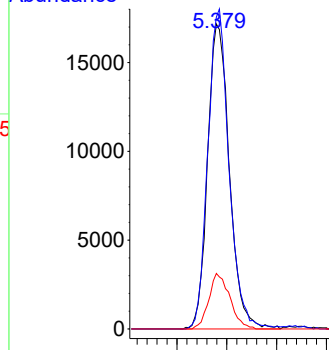
Ion Ratio Lower Upper

113 100

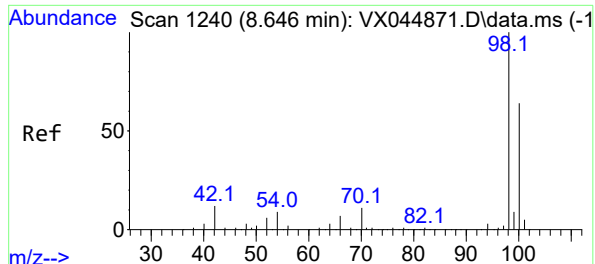
111 101.9 83.5 125.3

192 17.6 14.4 21.6

Abundance



Time-->



#50

Toluene-d8

Concen: 48.39 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX045031.D

Acq: 25 Feb 2025 12:07

Instrument :

MSVOA_X

ClientSampleId :

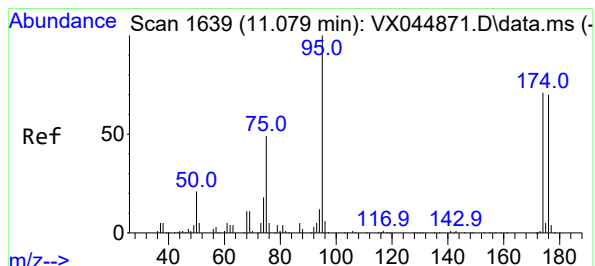
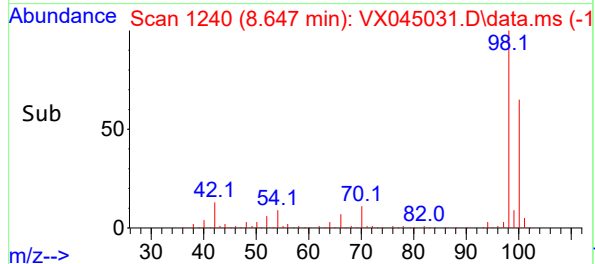
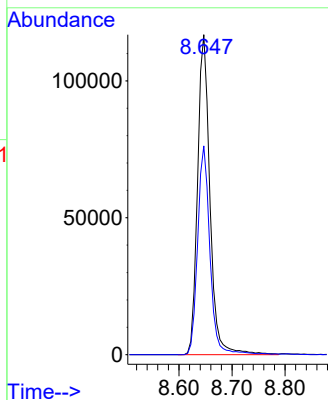
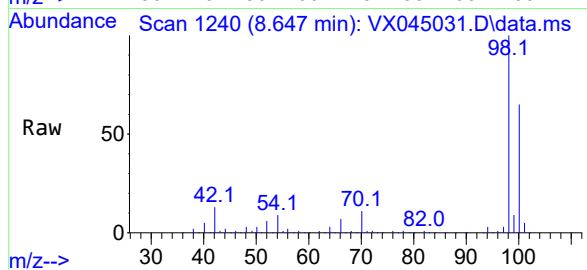
VX0225WBL01

Tgt Ion: 98 Resp: 189606

Ion Ratio Lower Upper

98 100

100 64.6 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 47.52 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX045031.D

Acq: 25 Feb 2025 12:07

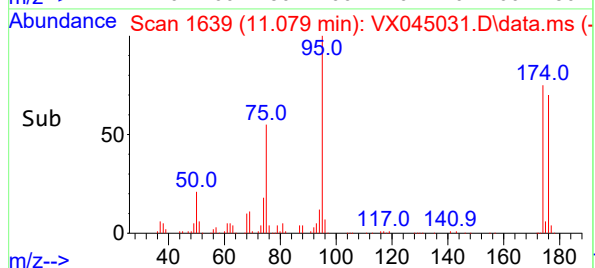
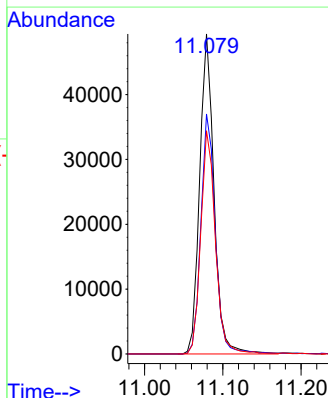
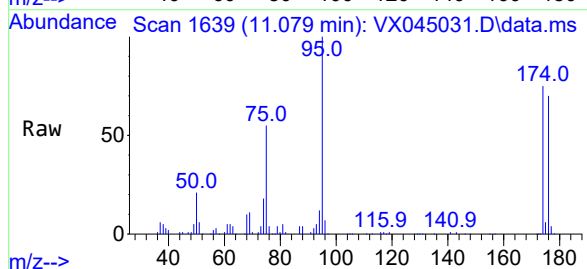
Tgt Ion: 95 Resp: 62773

Ion Ratio Lower Upper

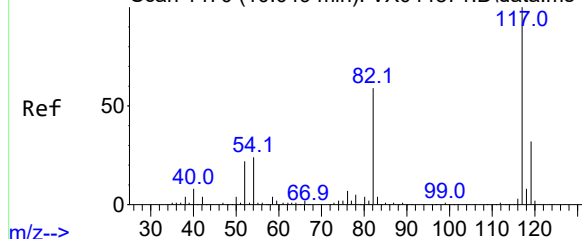
95 100

174 75.6 0.0 142.6

176 71.2 0.0 141.6



Abundance Scan 1470 (10.049 min): VX044871.D\data.ms (-



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX045031.D

Acq: 25 Feb 2025 12:07

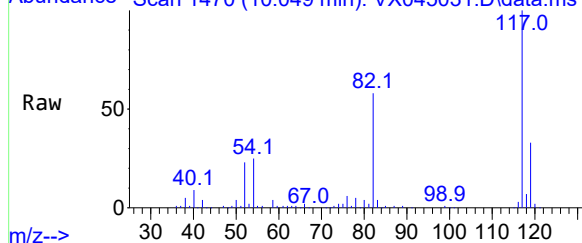
Instrument :

MSVOA_X

ClientSampleId :

VX0225WBL01

Abundance Scan 1470 (10.049 min): VX045031.D\data.ms (-



Tgt Ion:117 Resp: 142850

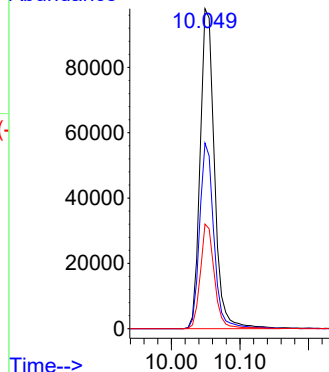
Ion Ratio Lower Upper

117 100

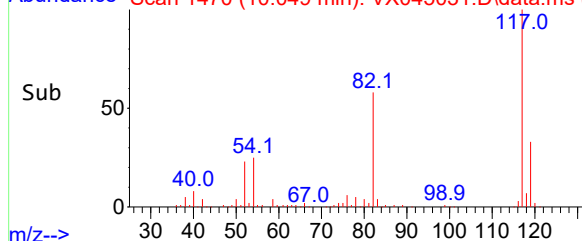
82 58.0 47.5 71.3

119 32.7 25.4 38.0

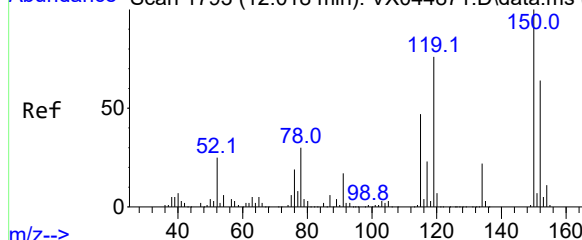
Abundance



Abundance Scan 1470 (10.049 min): VX045031.D\data.ms (-



Abundance Scan 1793 (12.018 min): VX044871.D\data.ms (-



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX045031.D

Acq: 25 Feb 2025 12:07

Tgt Ion:152 Resp: 58355

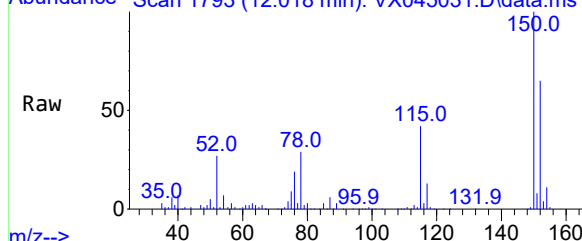
Ion Ratio Lower Upper

152 100

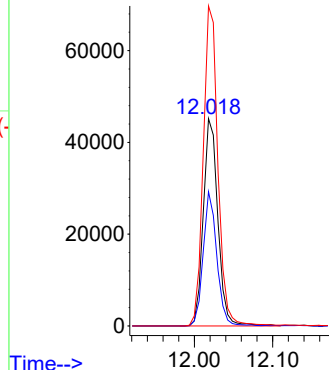
115 60.7 43.4 130.1

150 155.0 0.0 350.4

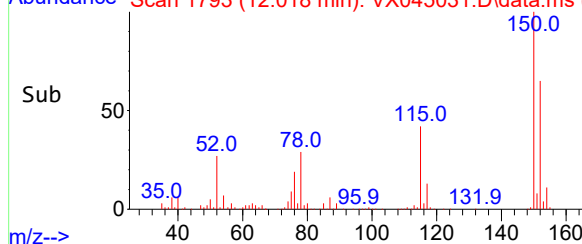
Abundance Scan 1793 (12.018 min): VX045031.D\data.ms (-



Abundance



Abundance Scan 1793 (12.018 min): VX045031.D\data.ms (-



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045031.D
Acq On : 25 Feb 2025 12:07
Operator : JC/MD
Sample : VX0225WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBL01

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\82X021025W.M

Title : SW846 8260

Signal : TIC: VX045031.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	32	rBV	21585	31148	6.10%	1.169%
2	1.563	73	78	79	rBV3	3605	5414	1.06%	0.203%
3	1.587	79	82	87	rVB5	4768	7850	1.54%	0.295%
4	2.940	297	304	312	rVB2	3582	7586	1.49%	0.285%
5	5.379	693	704	719	rBV	58025	172629	33.79%	6.480%
6	5.544	721	731	751	rVV	82636	242122	47.40%	9.089%
7	5.952	788	798	811	rBV2	65120	174987	34.25%	6.569%
8	6.757	922	930	947	rBV	151438	375714	73.55%	14.104%
9	8.647	1233	1240	1262	rBV	312615	510838	100.00%	19.176%
10	10.049	1465	1470	1490	rBV	316434	453723	88.82%	17.032%
11	11.079	1634	1639	1651	rBV	240960	308728	60.44%	11.589%
12	12.018	1788	1793	1808	rBV	296675	373222	73.06%	14.010%

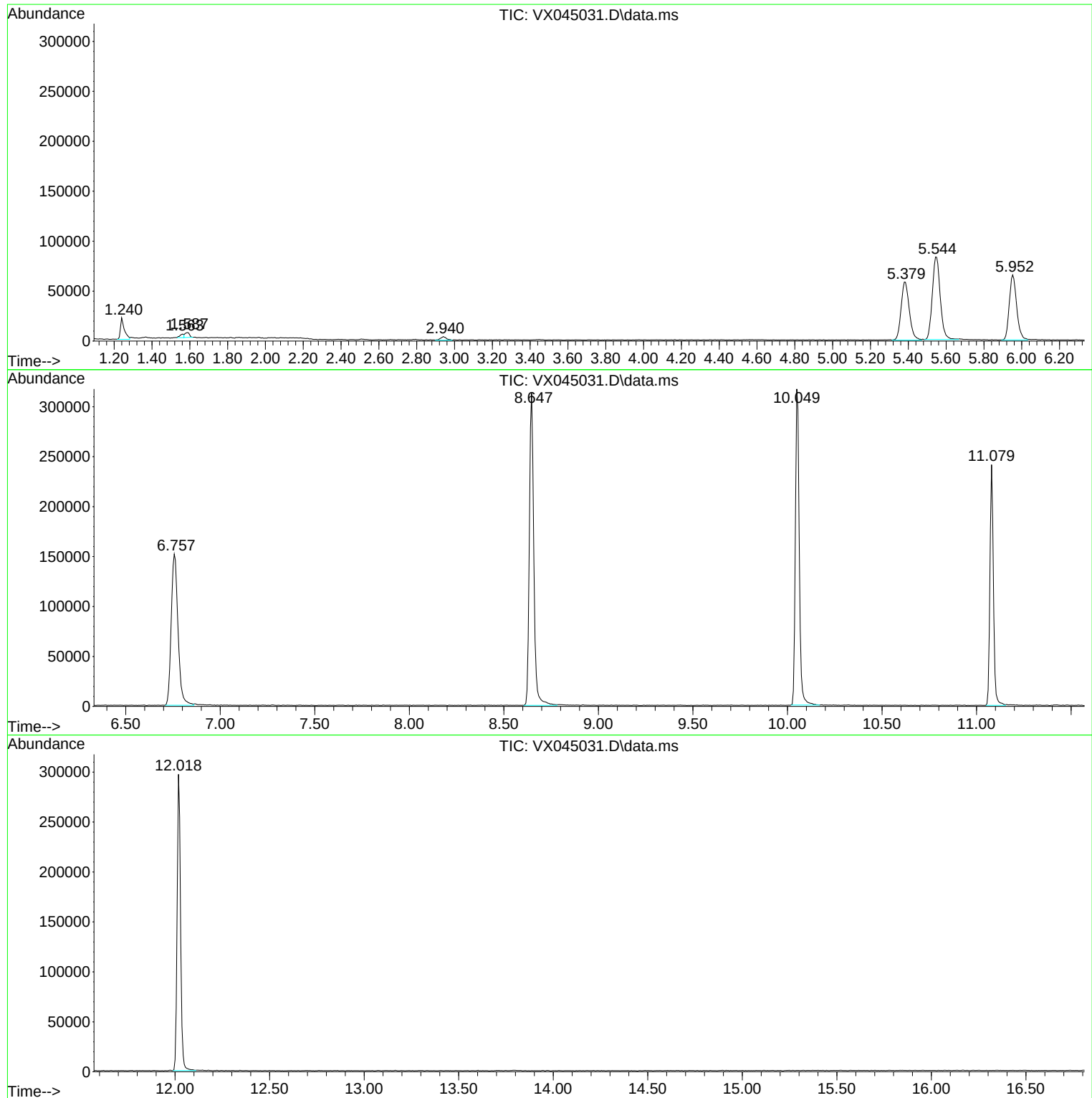
Sum of corrected areas: 2663961

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045031.D
Acq On : 25 Feb 2025 12:07
Operator : JC/MD
Sample : VX0225WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045031.D
Acq On : 25 Feb 2025 12:07
Operator : JC/MD
Sample : VX0225WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.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\VX022525\
Data File : VX045031.D
Acq On : 25 Feb 2025 12:07
Operator : JC/MD
Sample : VX0225WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.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:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	CTO WE13		Date Received:	
Client Sample ID:	VX0228WBL01		SDG No.:	Q1423
Lab Sample ID:	VX0228WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045079.D	1		02/28/25 11:23	VX022825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.25	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:			
Project:	CTO WE13			Date Received:			
Client Sample ID:	VX0228WBL01			SDG No.:	Q1423		
Lab Sample ID:	VX0228WBL01			Matrix:	Water		
Analytical Method:	SW8260			% Solid:	0		
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL	
Soil Aliquot Vol:	uL			Test:	VOCMS Group1		
GC Column:	DB-624UI	ID :	0.18	Level :	LOW		
Prep Method :							

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045079.D	1		02/28/25 11:23	VX022825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.0		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.9		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	76400	5.544				
540-36-3	1,4-Difluorobenzene	149000	6.757				
3114-55-4	Chlorobenzene-d5	137000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	59700	12.018				

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\VX022825\
Data File : VX045079.D
Acq On : 28 Feb 2025 11:23
Operator : JC/MD
Sample : VX0228WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBL01

Quant Time: Feb 28 14:28:14 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	76430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	149381	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59690	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60807	50.017	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	100.040%
35) Dibromofluoromethane	5.385	113	50912	50.970	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.940%
50) Toluene-d8	8.647	98	184348	50.907	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.820%
62) 4-Bromofluorobenzene	11.079	95	63967	53.307	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.620%

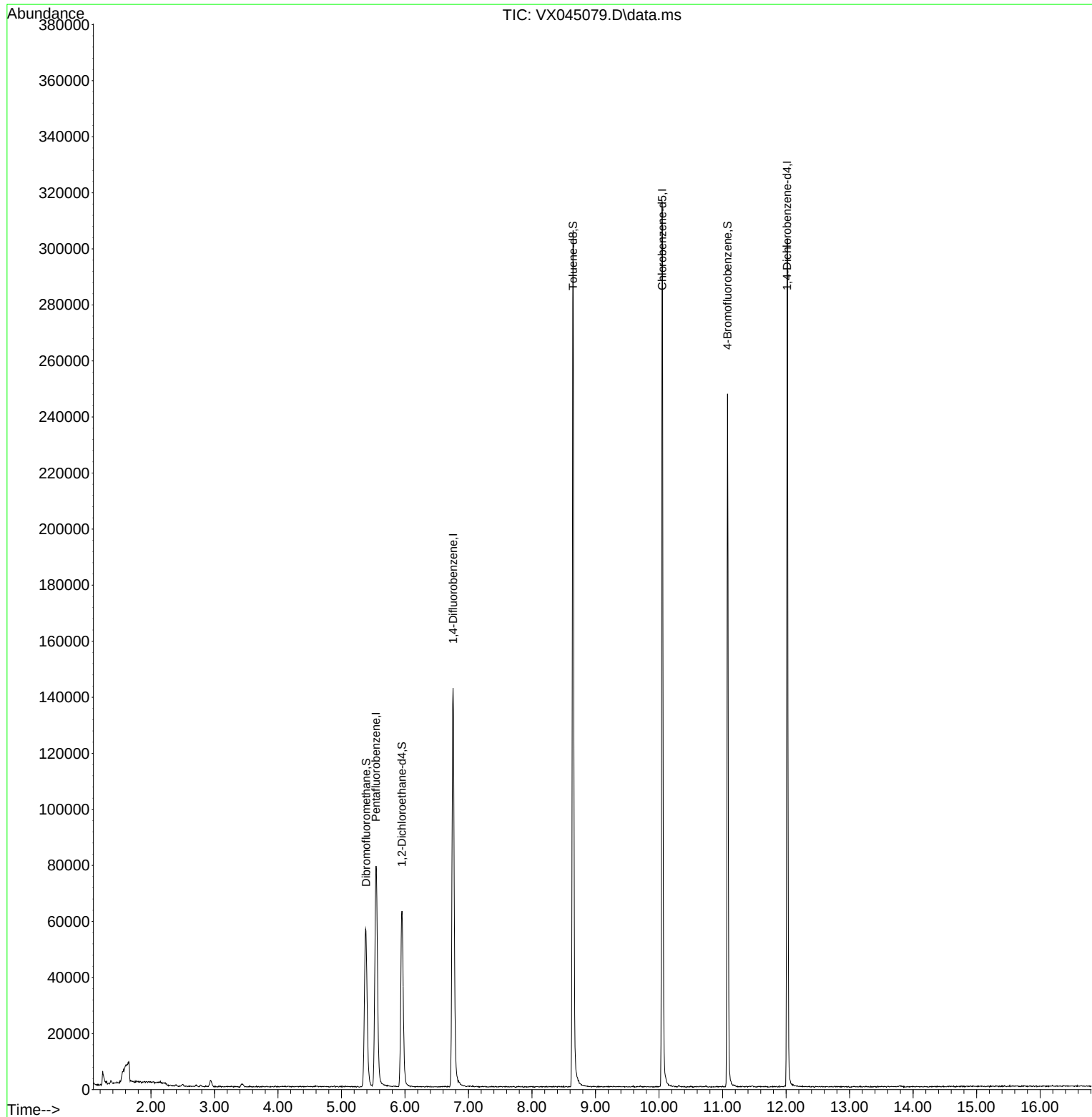
Target Compounds	Qvalue
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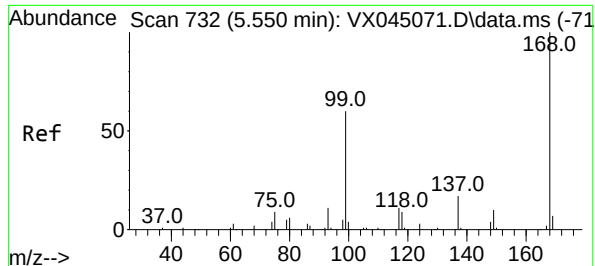
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045079.D
Acq On : 28 Feb 2025 11:23
Operator : JC/MD
Sample : VX0228WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBL01

Quant Time: Feb 28 14:28:14 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

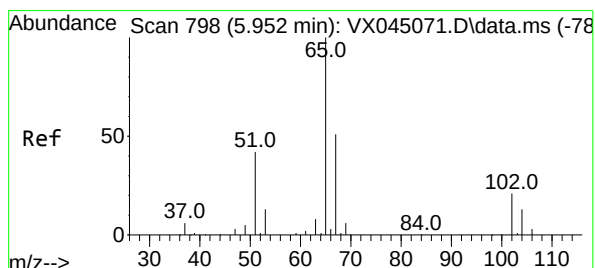
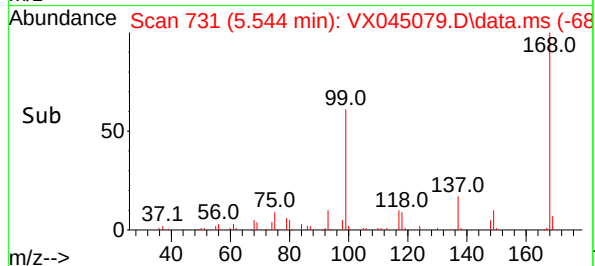
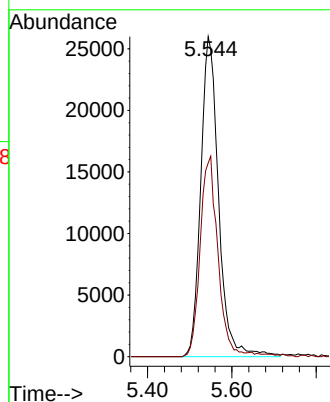
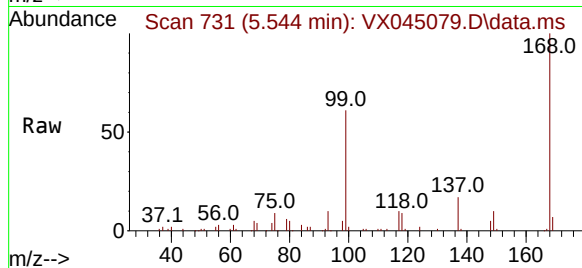




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045079.D
Acq: 28 Feb 2025 11:23

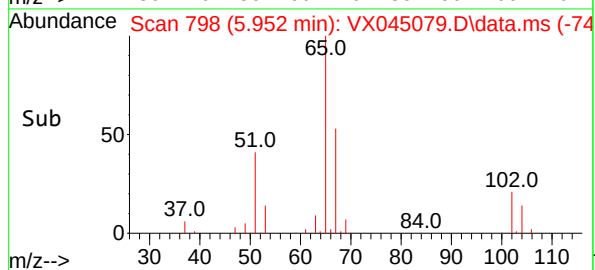
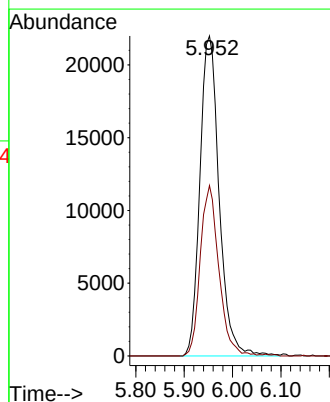
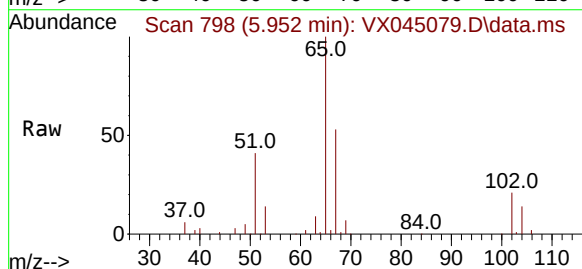
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBL01

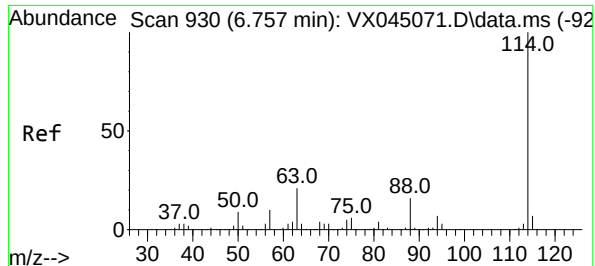
Tgt Ion:168 Resp: 76430
Ion Ratio Lower Upper
168 100
99 60.6 48.2 72.4



#33
1,2-Dichloroethane-d4
Concen: 50.017 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045079.D
Acq: 28 Feb 2025 11:23

Tgt Ion: 65 Resp: 60807
Ion Ratio Lower Upper
65 100
67 51.5 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: VX045079.D

Acq: 28 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBL01

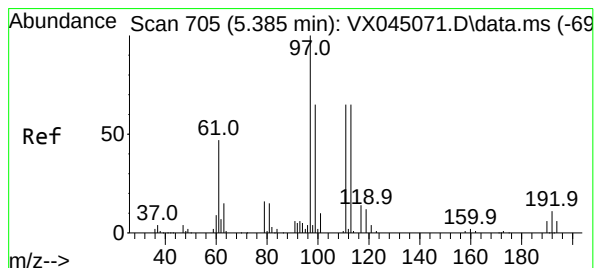
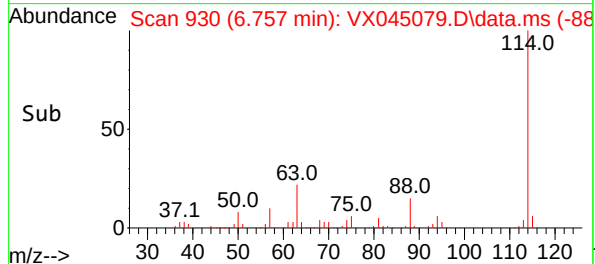
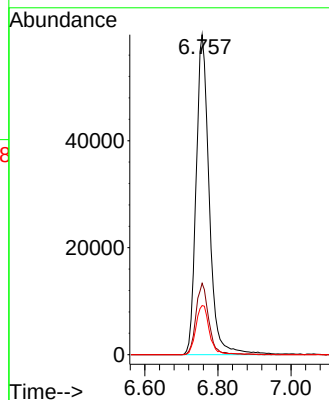
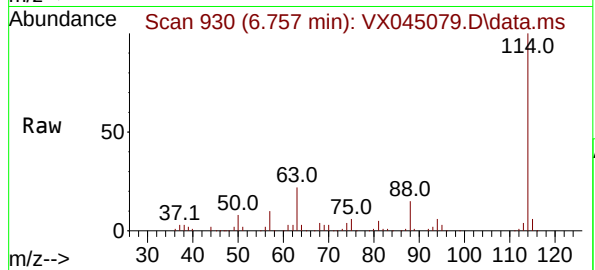
Tgt Ion:114 Resp: 149381

Ion Ratio Lower Upper

114 100

63 22.3 0.0 41.8

88 15.4 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.970 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX045079.D

Acq: 28 Feb 2025 11:23

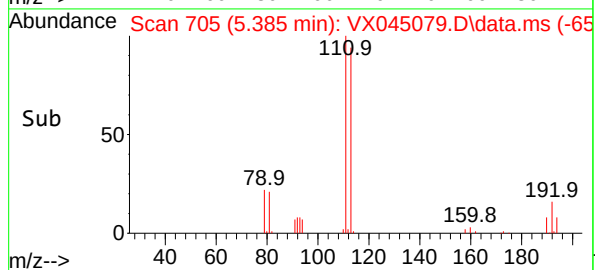
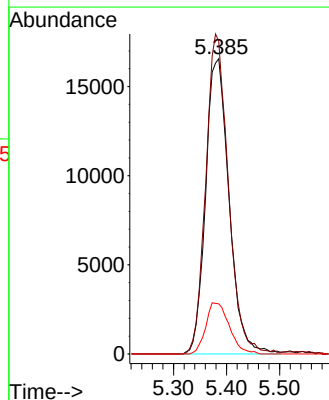
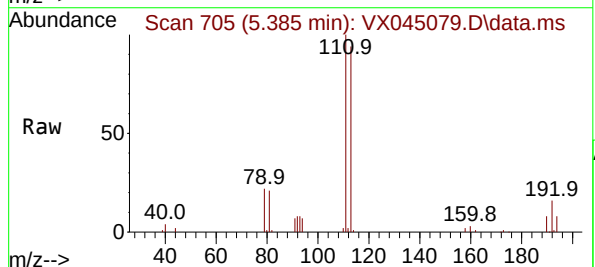
Tgt Ion:113 Resp: 50912

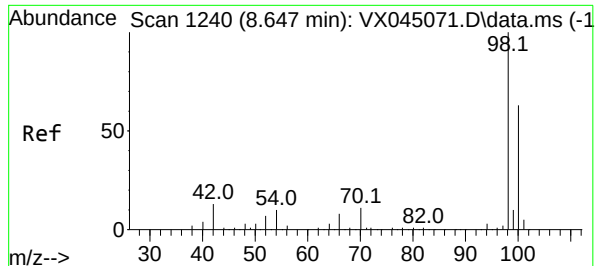
Ion Ratio Lower Upper

113 100

111 104.7 81.8 122.6

192 17.3 14.3 21.5





#50

Toluene-d8

Concen: 50.907 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045079.D

Acq: 28 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

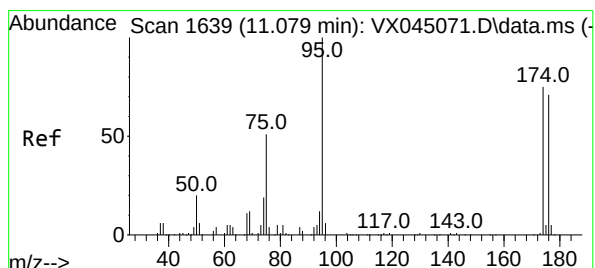
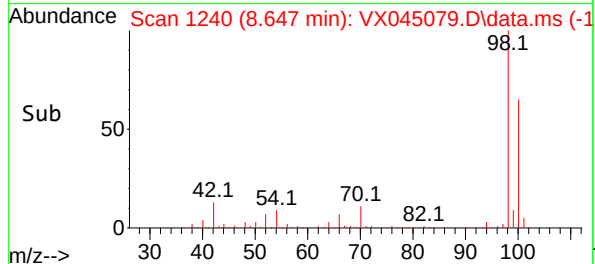
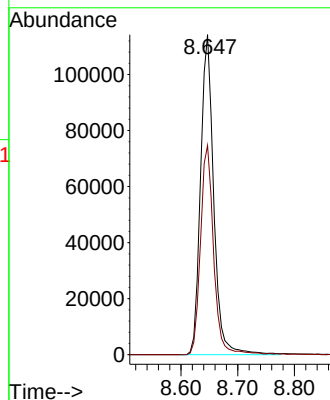
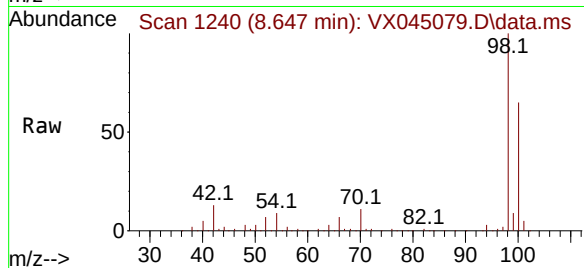
VX0228WBL01

Tgt Ion: 98 Resp: 184348

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 53.307 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045079.D

Acq: 28 Feb 2025 11:23

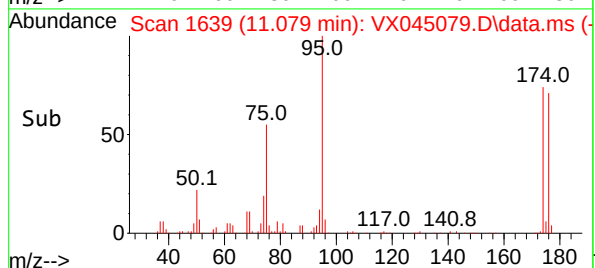
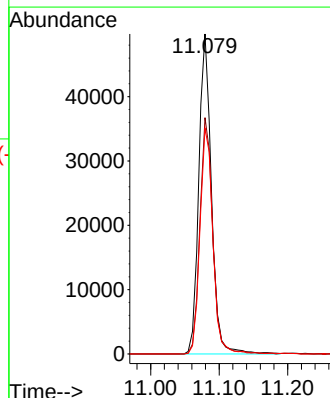
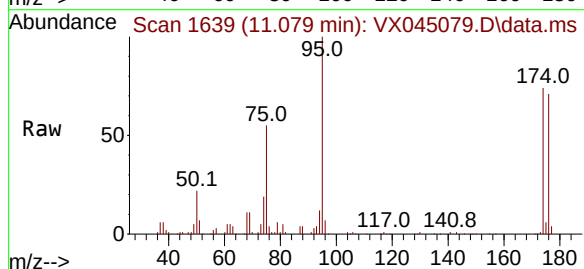
Tgt Ion: 95 Resp: 63967

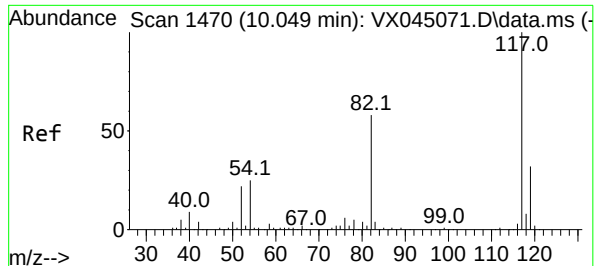
Ion Ratio Lower Upper

95 100

174 75.3 0.0 148.2

176 72.0 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: VX045079.D

Acq: 28 Feb 2025 11:23

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBL01

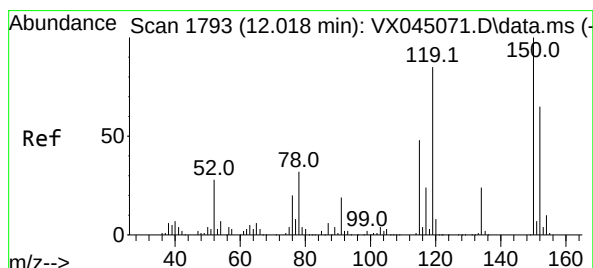
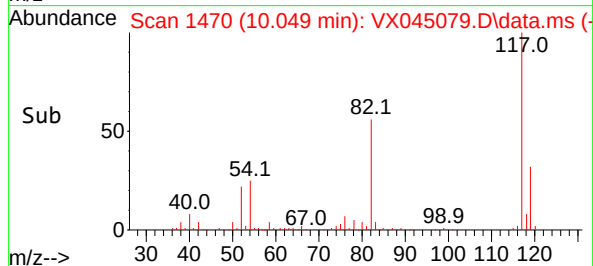
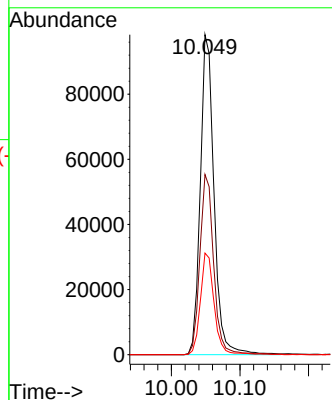
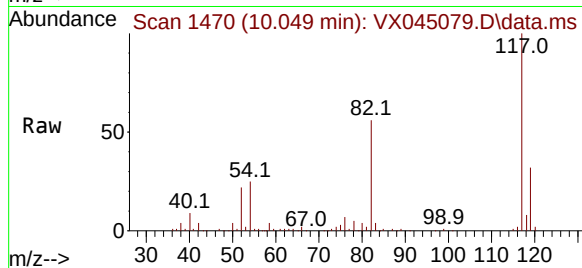
Tgt Ion:117 Resp: 137180

Ion Ratio Lower Upper

117 100

82 56.3 46.3 69.5

119 31.8 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: VX045079.D

Acq: 28 Feb 2025 11:23

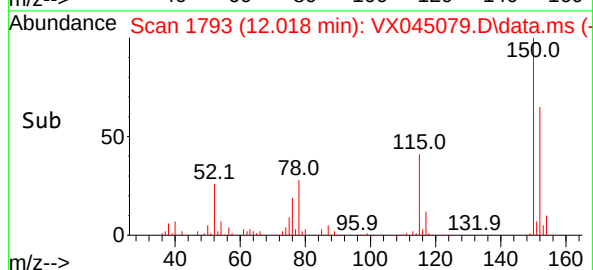
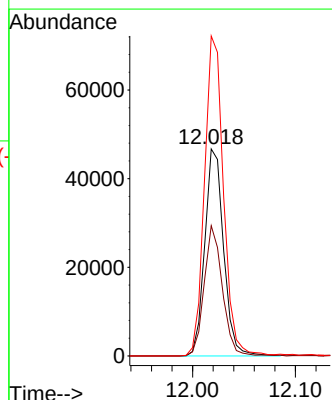
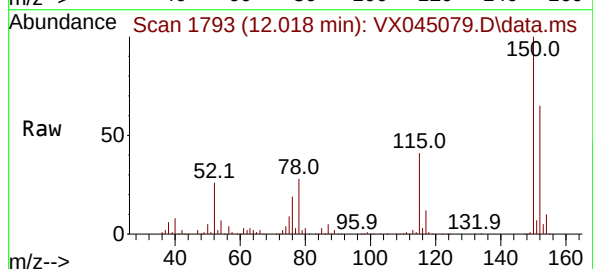
Tgt Ion:152 Resp: 59690

Ion Ratio Lower Upper

152 100

115 61.0 44.2 132.6

150 155.3 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045079.D
Acq On : 28 Feb 2025 11:23
Operator : JC/MD
Sample : VX0228WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBL01

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: VX045079.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	33	rBV2	5155	10309	2.08%	0.401%
2	1.550	71	76	77	rBV3	3715	4993	1.01%	0.194%
3	2.934	297	303	313	rVB3	2413	6057	1.22%	0.235%
4	5.379	693	704	718	rBV2	56363	169918	34.26%	6.602%
5	5.544	721	731	746	rBV	78513	230077	46.39%	8.939%
6	5.952	789	798	819	rVB2	62701	171866	34.66%	6.678%
7	6.757	920	930	943	rBV	142345	350769	70.73%	13.629%
8	8.647	1233	1240	1253	rBV	305517	495929	100.00%	19.269%
9	10.049	1465	1470	1484	rBV	315776	436998	88.12%	16.979%
10	11.079	1634	1639	1650	rBV	247131	315742	63.67%	12.268%
11	12.018	1788	1793	1805	rBV	302493	381118	76.85%	14.808%

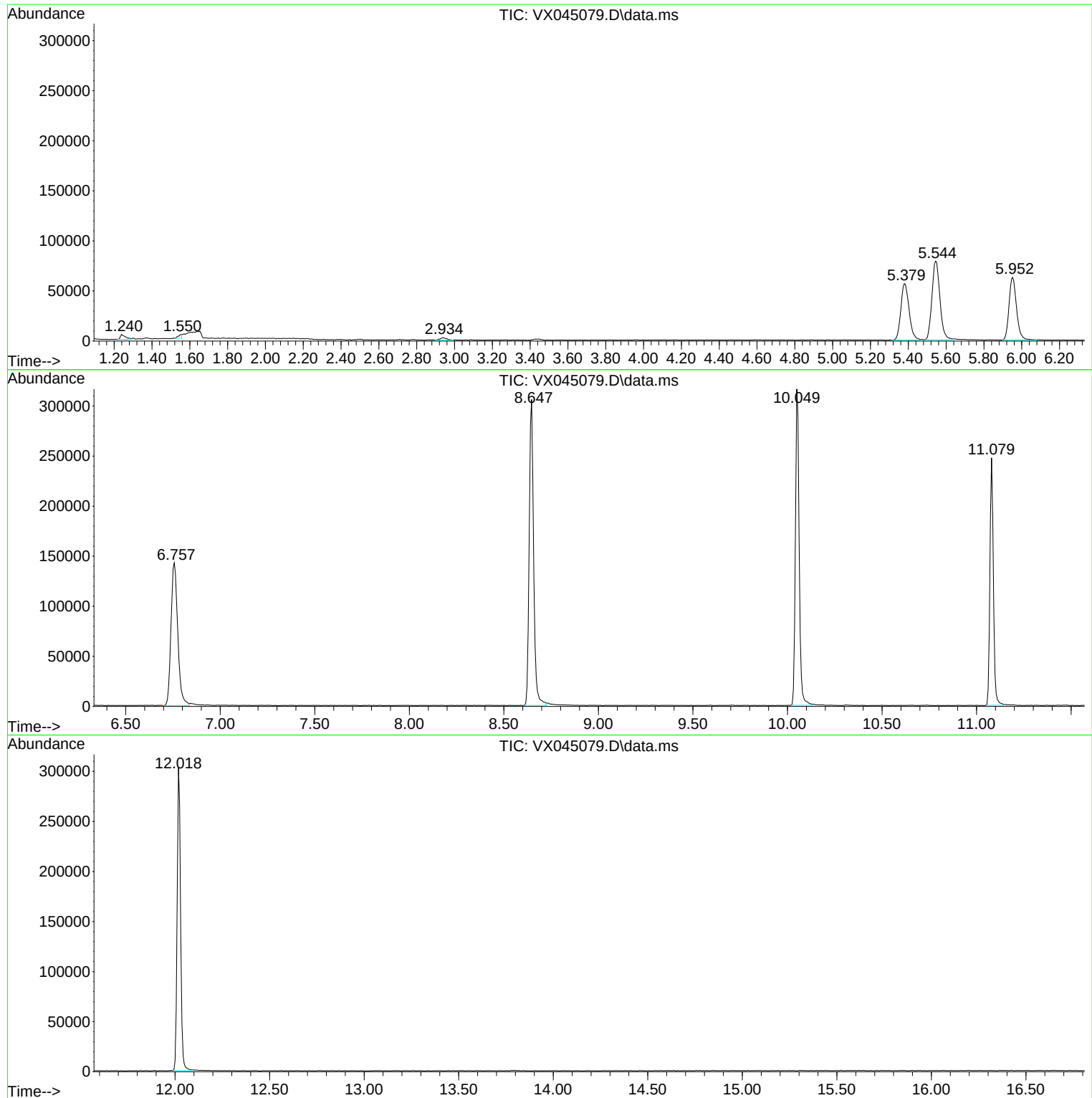
Sum of corrected areas: 2573776

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045079.D
Acq On : 28 Feb 2025 11:23
Operator : JC/MD
Sample : VX0228WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBL01

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\VX022825\
Data File : VX045079.D
Acq On : 28 Feb 2025 11:23
Operator : JC/MD
Sample : VX0228WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBL01

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\VX022825\
Data File : VX045079.D
Acq On : 28 Feb 2025 11:23
Operator : JC/MD
Sample : VX0228WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBL01

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:	Tetra Tech NUS, Inc.			Date Collected:	
Project:	CTO WE13			Date Received:	
Client Sample ID:	VX0225WBS01			SDG No.:	Q1423
Lab Sample ID:	VX0225WBS01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045032.D	1		02/25/25 12:30	VX022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	15.3		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	16.6		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	20.6		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	21.1		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.6		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.1		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.0		0.26	0.75	1.00	ug/L
67-64-1	Acetone	110		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	15.3		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.8		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	18.5		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.7		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.7		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	120		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.6		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.8		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	19.6		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.7		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.2		0.19	0.50	1.00	ug/L
71-43-2	Benzene	19.1		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.3		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.2		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.8		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.4		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.6		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.7		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.3		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.7		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	120		1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX0225WBS01	SDG No.:	Q1423
Lab Sample ID:	VX0225WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045032.D	1		02/25/25 12:30	VX022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	20.2		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.5		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.0		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	38.8		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	19.5		0.14	0.50	1.00	ug/L
100-42-5	Styrene	20.0		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	21.0		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.0		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.7		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.6		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.6		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.2		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.0		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	113000	5.55				
540-36-3	1,4-Difluorobenzene	200000	6.757				
3114-55-4	Chlorobenzene-d5	175000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	80200	12.018				

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\VX022525\
 Data File : VX045032.D
 Acq On : 25 Feb 2025 12:30
 Operator : JC/MD
 Sample : VX0225WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0225WBS01

Quant Time: Feb 26 03:13:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/26/2025
 Supervised By : Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	112915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	200483	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	175398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	80174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	87564	52.977	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.960%			
35) Dibromofluoromethane	5.379	113	68805	52.786	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.580%			
50) Toluene-d8	8.647	98	249185	50.555	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.120%			
62) 4-Bromofluorobenzene	11.079	95	85680	51.563	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.120%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	28050	17.712	ug/l	100
3) Chloromethane	1.307	50	29473	15.291	ug/l	97
4) Vinyl Chloride	1.374	62	30981	16.591	ug/l	99
5) Bromomethane	1.593	94	11486	20.556	ug/l	97
6) Chloroethane	1.672	64	16625	21.104	ug/l	98
7) Trichlorofluoromethane	1.880	101	43909	18.594	ug/l	97
8) Diethyl Ether	2.136	74	16376	19.122	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	27245	19.096	ug/l	100
10) Methyl Iodide	2.447	142	25726	13.913	ug/l	96
11) Tert butyl alcohol	2.971	59	33544	109.394	ug/l	99
12) 1,1-Dichloroethene	2.312	96	24745	17.002	ug/l	97
13) Acrolein	2.233	56	25019	79.081	ug/l	97
14) Allyl chloride	2.660	41	47611	18.101	ug/l	96
15) Acrylonitrile	3.062	53	87273	106.598	ug/l	98
16) Acetone	2.380	43	75220	113.203	ug/l	96
17) Carbon Disulfide	2.501	76	61168	15.327	ug/l	99
18) Methyl Acetate	2.703	43	51568	24.593	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	86972	18.782	ug/l	98
20) Methylene Chloride	2.782	84	30031	18.452	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	25284	17.651	ug/l	92
22) Diisopropyl ether	3.757	45	96394	19.371	ug/l #	86
23) Vinyl Acetate	3.721	43	389594	96.035	ug/l	100
24) 1,1-Dichloroethane	3.605	63	51948	18.657	ug/l	99
25) 2-Butanone	4.556	43	125165	116.004	ug/l	95
26) 2,2-Dichloropropane	4.471	77	39084	17.701	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	32345	18.799	ug/l	98
28) Bromochloromethane	4.897	49	28300	21.150	ug/l	99
29) Tetrahydrofuran	5.007	42	82477	115.117	ug/l	96
30) Chloroform	5.092	83	52851	19.573	ug/l	92
31) Cyclohexane	5.470	56	43850	17.083	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	42871	18.718	ug/l	98
36) 1,1-Dichloropropene	5.690	75	35238	18.738	ug/l	98
37) Ethyl Acetate	4.714	43	44803	21.419	ug/l	99
38) Carbon Tetrachloride	5.672	117	36171	19.628	ug/l	95
39) Methylcyclohexane	7.373	83	44297	18.220	ug/l	99
40) Benzene	6.031	78	112321	19.128	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
 Data File : VX045032.D
 Acq On : 25 Feb 2025 12:30
 Operator : JC/MD
 Sample : VX0225WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0225WBS01

Quant Time: Feb 26 03:13:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/26/2025
 Supervised By : Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	25608	22.872	ug/l	98
42) 1,2-Dichloroethane	6.086	62	39901	21.320	ug/l	99
43) Isopropyl Acetate	6.342	43	72051	21.331	ug/l	98
44) Trichloroethene	7.123	130	25763	19.194	ug/l	99
45) 1,2-Dichloropropane	7.427	63	28923	19.798	ug/l	96
46) Dibromomethane	7.580	93	20964	20.692	ug/l	98
47) Bromodichloromethane	7.818	83	40022	20.401	ug/l	99
48) Methyl methacrylate	7.690	41	34929	21.931	ug/l	97
49) 1,4-Dioxane	7.659	88	15255	446.435	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	244157	118.897	ug/l	97
52) Toluene	8.714	92	68535	19.597	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	37069	18.673	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	42772	19.324	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	27858	20.722	ug/l	97
56) Ethyl methacrylate	9.116	69	43256	19.922	ug/l	97
57) 1,3-Dichloropropane	9.305	76	48017	20.413	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	93678	87.867	ug/l	100
59) 2-Hexanone	9.427	43	178305	120.511	ug/l	97
60) Dibromochloromethane	9.518	129	29060	20.212	ug/l	99
61) 1,2-Dibromoethane	9.610	107	27734	20.354	ug/l	98
64) Tetrachloroethene	9.275	164	21268	19.227	ug/l	95
65) Chlorobenzene	10.079	112	73498	19.510	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	23471	19.356	ug/l	97
67) Ethyl Benzene	10.189	91	126463	19.022	ug/l	99
68) m/p-Xylenes	10.299	106	95213	38.825	ug/l	100
69) o-Xylene	10.640	106	47911	19.470	ug/l	100
70) Styrene	10.652	104	79389	20.025	ug/l	99
71) Bromoform	10.799	173	18971	20.964	ug/l #	100
73) Isopropylbenzene	10.957	105	122826	19.026	ug/l	100
74) N-amyl acetate	10.841	43	56740	19.423	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	43721	19.709	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	35383m	19.905	ug/l	
77) Bromobenzene	11.195	156	29066	19.860	ug/l	93
78) n-propylbenzene	11.305	91	140796	18.896	ug/l	100
79) 2-Chlorotoluene	11.360	91	85351	18.638	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	101697	19.413	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	11282	16.327	ug/l	87
82) 4-Chlorotoluene	11.451	91	95392	18.828	ug/l	98
83) tert-Butylbenzene	11.713	119	103475	19.525	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	101154	19.564	ug/l	98
85) sec-Butylbenzene	11.890	105	125785	19.167	ug/l	100
86) p-Isopropyltoluene	12.006	119	100881	19.116	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	50150	18.633	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	50714	18.636	ug/l	99
89) n-Butylbenzene	12.329	91	87150	18.666	ug/l	99
90) Hexachloroethane	12.536	117	18072	18.288	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	50875	19.233	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8167	20.172	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	28457	17.779	ug/l	99
94) Hexachlorobutadiene	13.725	225	12009	18.900	ug/l	98
95) Naphthalene	13.774	128	109343	18.898	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	29764	18.454	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045032.D
Acq On : 25 Feb 2025 12:30
Operator : JC/MD
Sample : VX0225WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 26 03:13:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

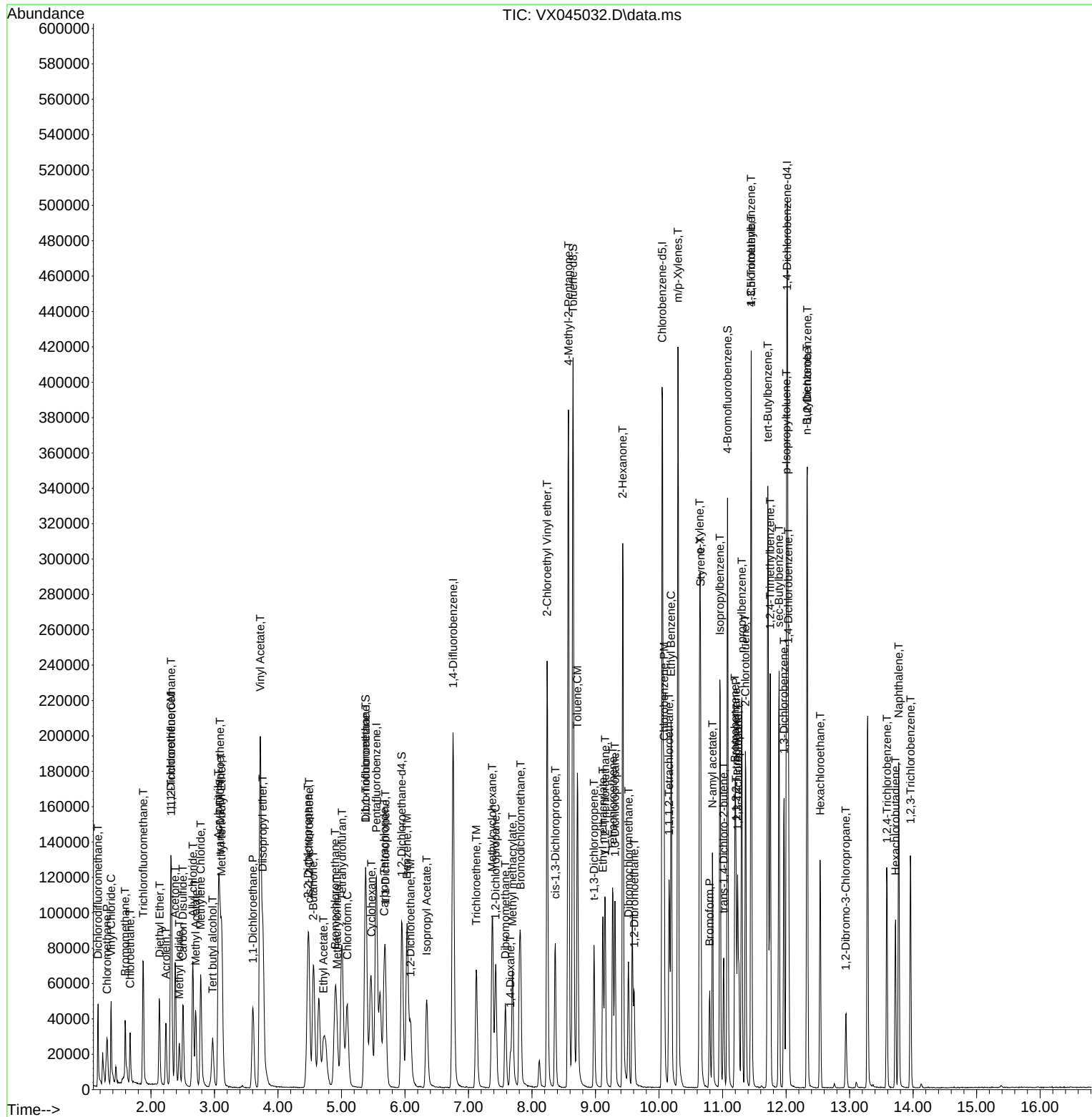
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Data File : VX045032.D
Acq On : 25 Feb 2025 12:30
Operator : JC/MD
Sample : VX0225WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

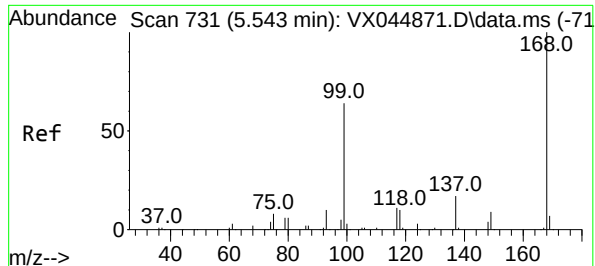
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Manual Integrations
APPROVED

Reviewed By : John Carlone 02/26/2025
Supervised By : Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 03:13:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration





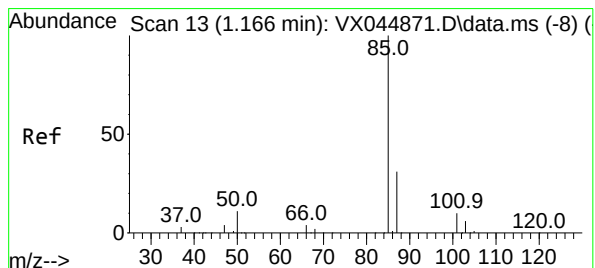
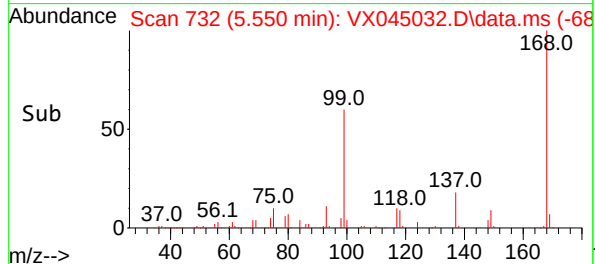
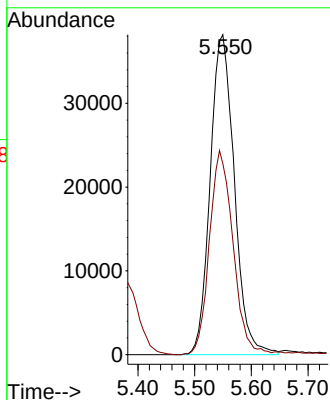
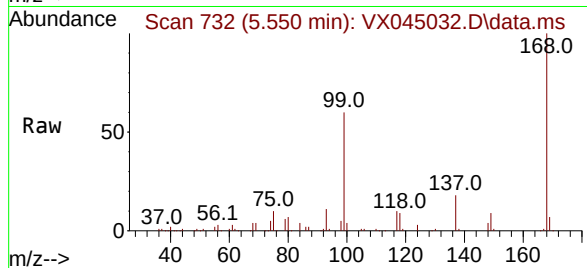
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion:168 Resp: 112915
Ion Ratio Lower Upper
168 100
99 59.7 51.2 76.8

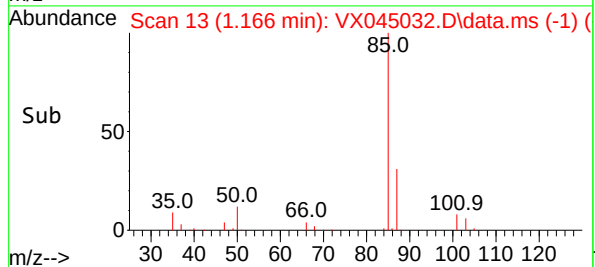
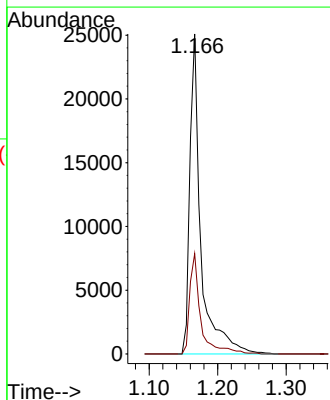
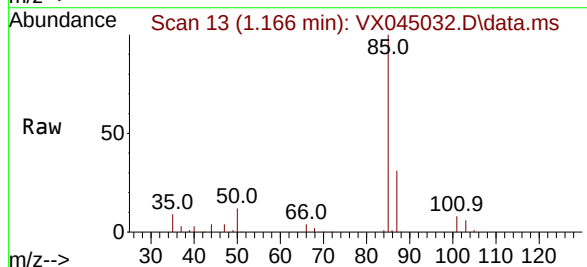
Manual Integrations
APPROVED

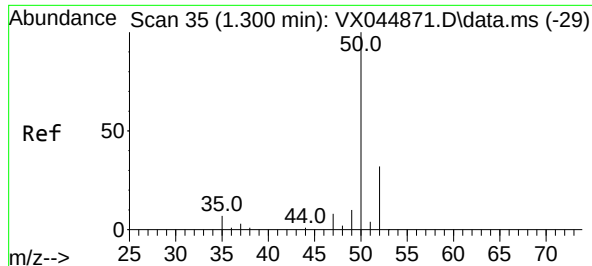
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#2
Dichlorodifluoromethane
Concen: 17.712 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 85 Resp: 28050
Ion Ratio Lower Upper
85 100
87 31.4 15.8 47.3





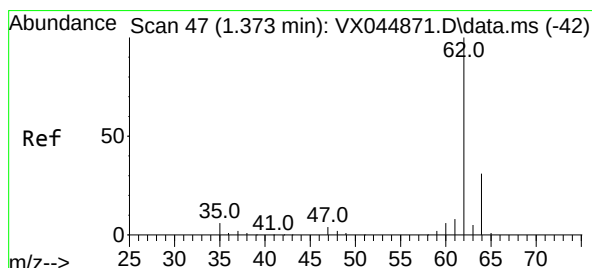
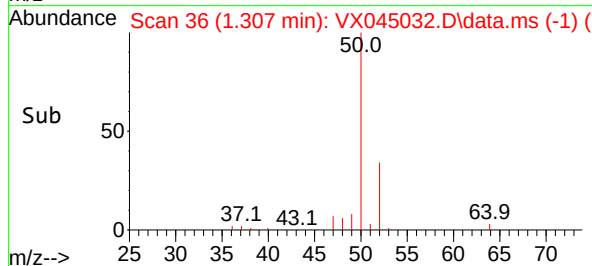
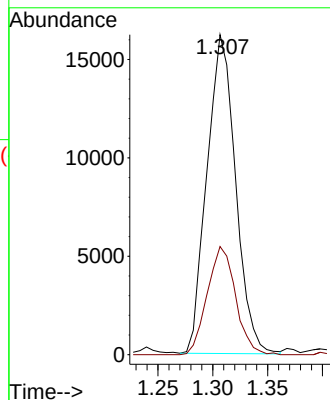
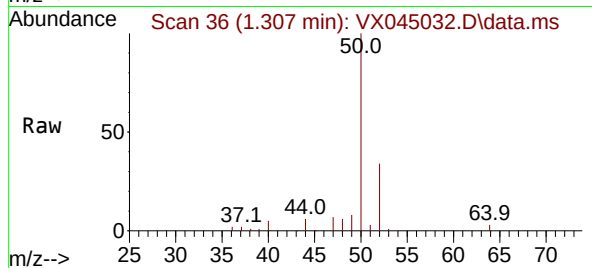
#3
Chloromethane
Concen: 15.291 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 50 Resp: 2947
Ion Ratio Lower Upper
50 100
52 34.0 25.9 38.9

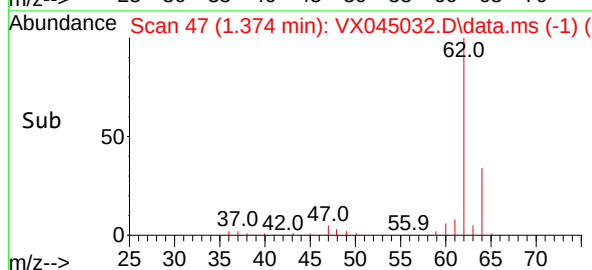
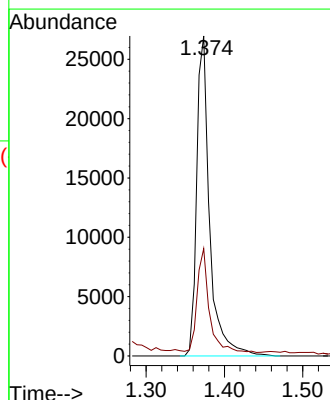
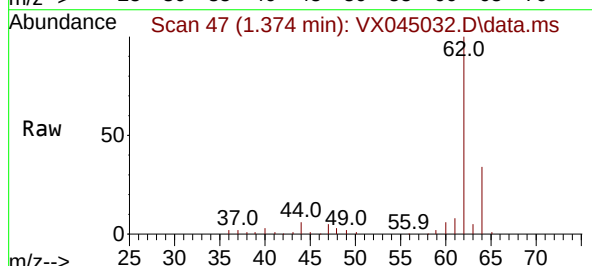
Manual Integrations
APPROVED

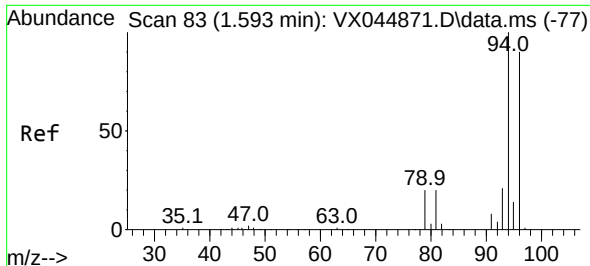
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#4
Vinyl Chloride
Concen: 16.591 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 62 Resp: 30981
Ion Ratio Lower Upper
62 100
64 32.4 25.4 38.0





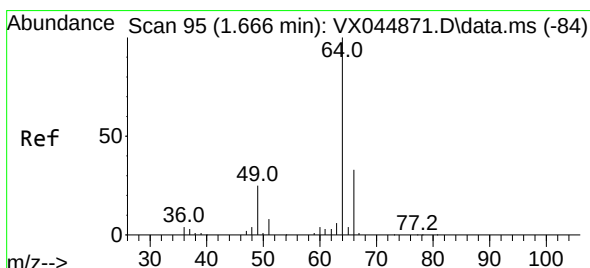
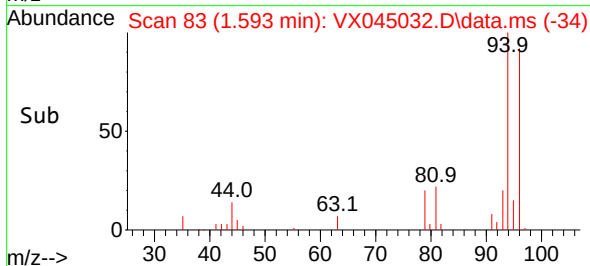
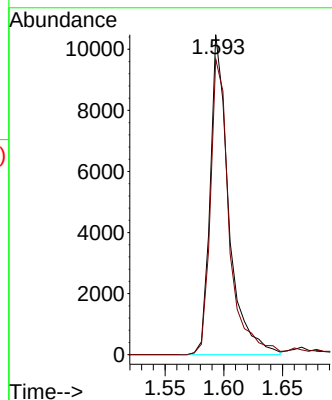
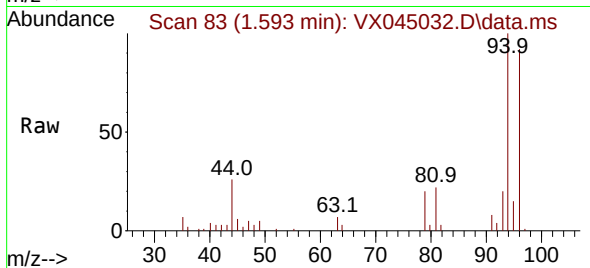
#5
Bromomethane
Concen: 20.556 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 94 Resp: 11480
Ion Ratio Lower Upper
94 100
96 92.4 71.6 107.4

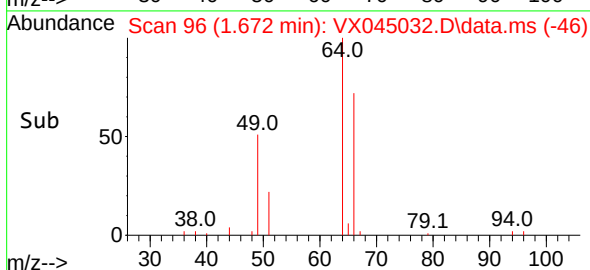
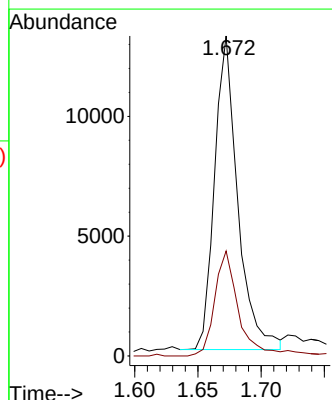
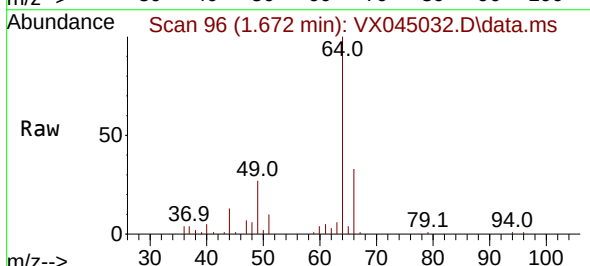
Manual Integrations
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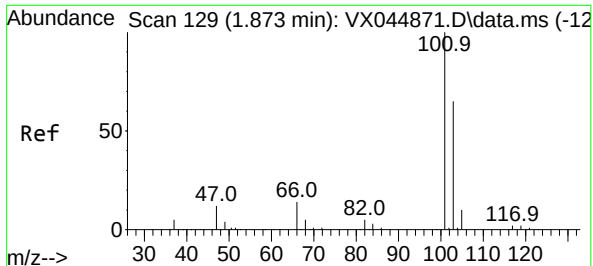
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#6
Chloroethane
Concen: 21.104 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

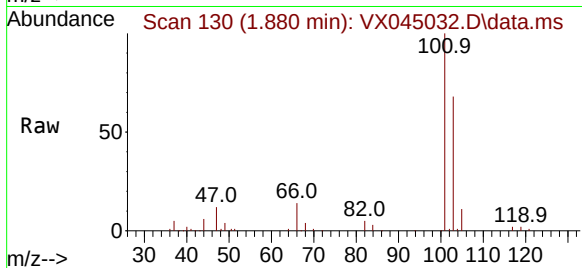
Tgt Ion: 64 Resp: 16625
Ion Ratio Lower Upper
64 100
66 33.5 25.9 38.9





#7
Trichlorofluoromethane
Concen: 18.594 ug/l
RT: 1.880 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

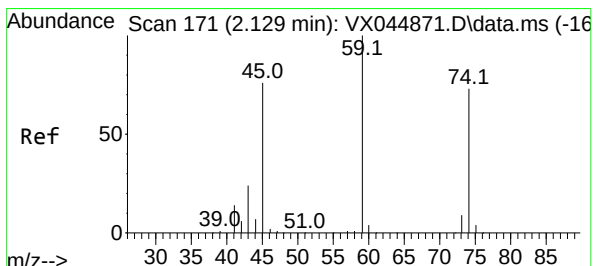
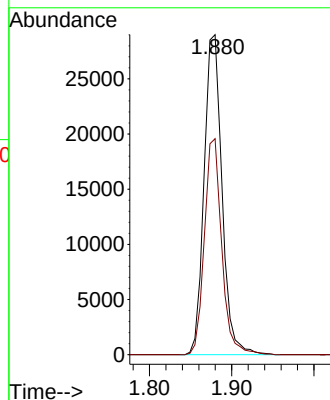
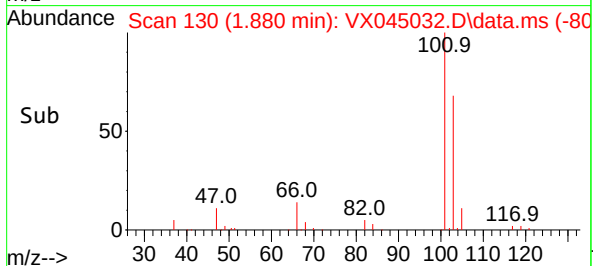
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01



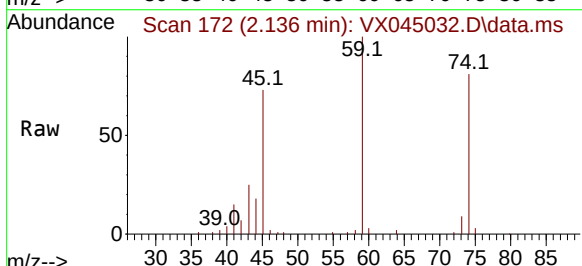
Tgt Ion:101 Resp: 43909
Ion Ratio Lower Upper
101 100
103 67.5 52.4 78.6

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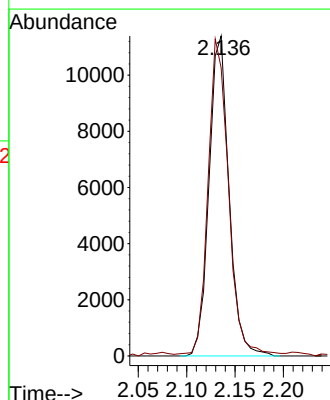
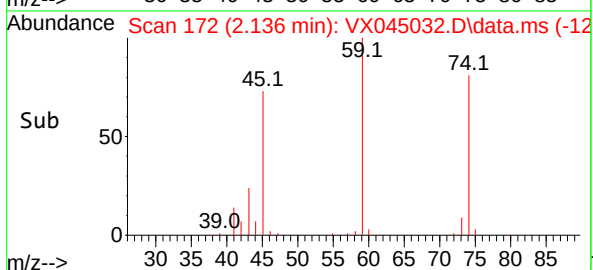
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

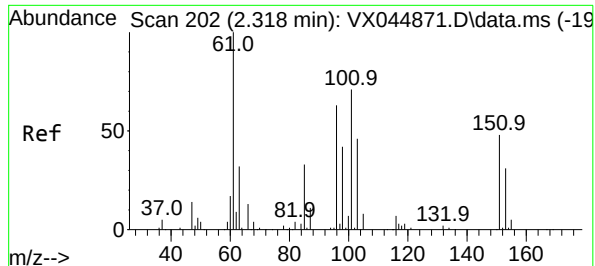


#8
Diethyl Ether
Concen: 19.122 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.007 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30



Tgt Ion: 74 Resp: 16376
Ion Ratio Lower Upper
74 100
45 99.4 51.1 153.4





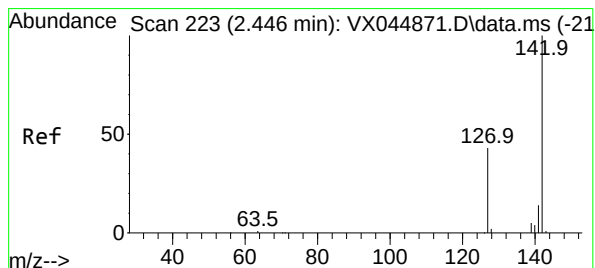
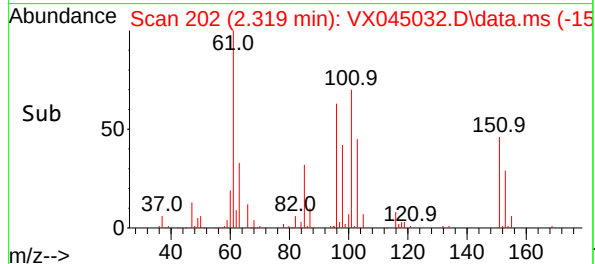
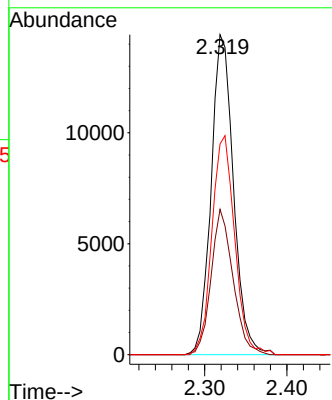
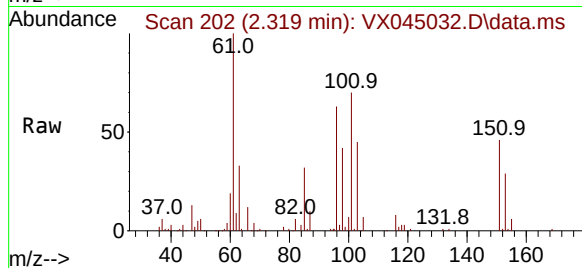
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.096 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion:101 Resp: 2724
Ion Ratio Lower Upper
101 100
85 44.6 35.7 53.5
151 70.0 56.0 84.0

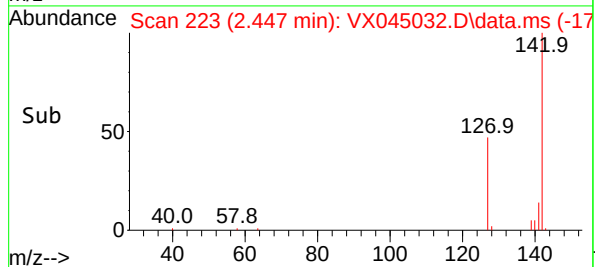
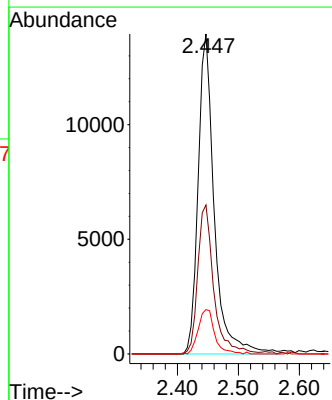
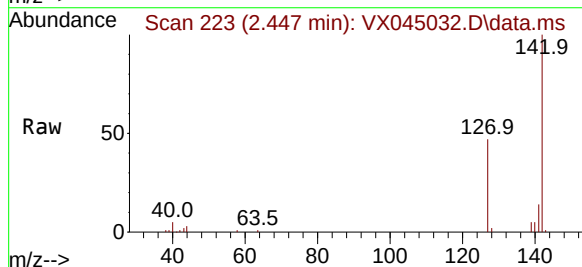
Manual Integrations
APPROVED

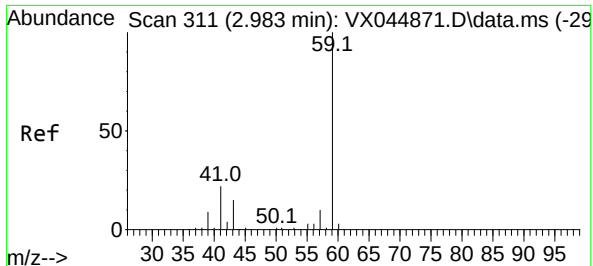
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#10
Methyl Iodide
Concen: 13.913 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:142 Resp: 25726
Ion Ratio Lower Upper
142 100
127 45.9 34.3 51.5
141 14.1 11.4 17.2





#11

Tert butyl alcohol

Concen: 109.394 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.012 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

Tgt Ion: 59 Resp: 33544

Ion Ratio Lower Upper

59 100

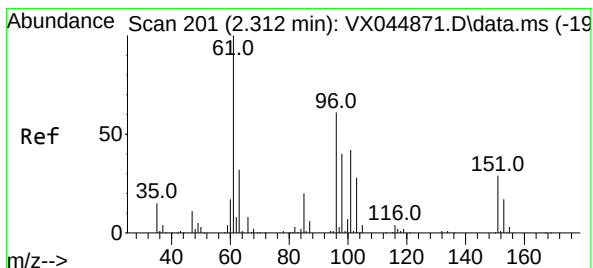
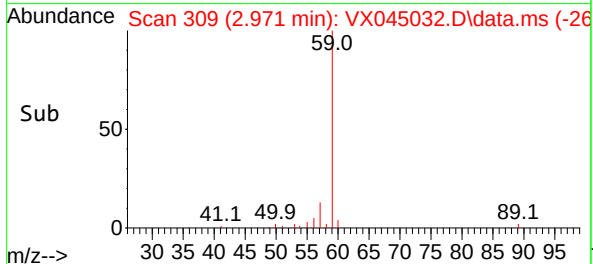
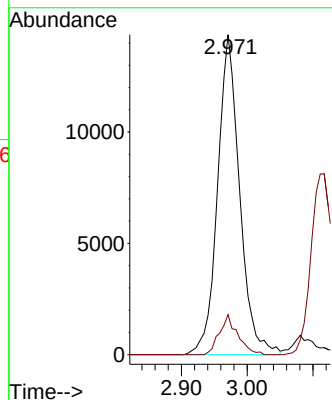
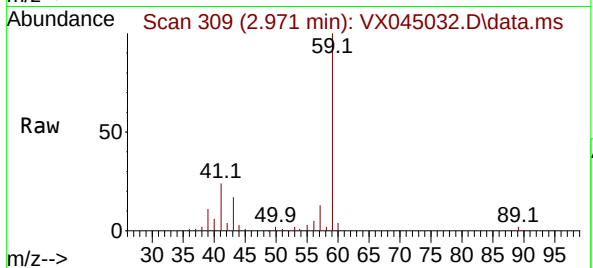
57 10.4 8.1 12.1

Manual Integrations

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Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#12

1,1-Dichloroethene

Concen: 17.002 ug/l

RT: 2.312 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

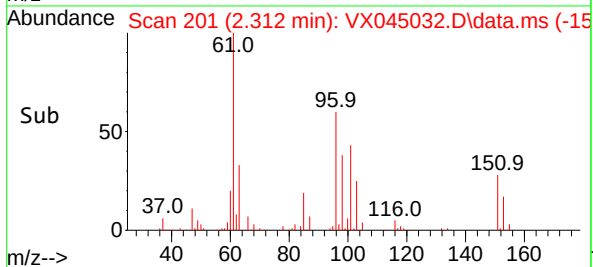
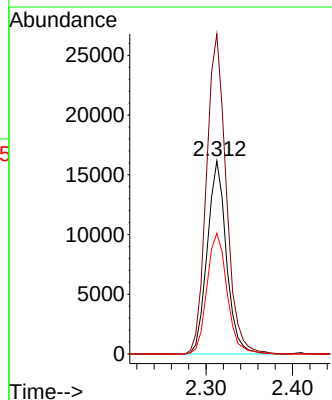
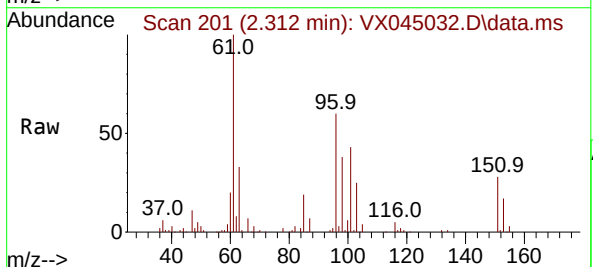
Tgt Ion: 96 Resp: 24745

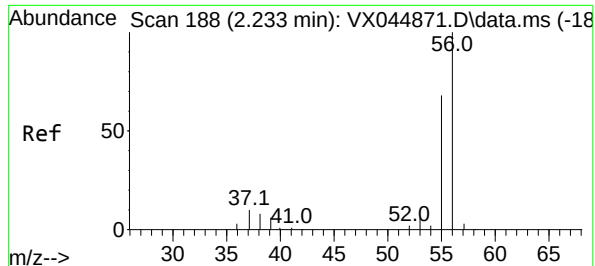
Ion Ratio Lower Upper

96 100

61 165.9 130.2 195.4

98 62.5 52.2 78.4





#13

Acrolein

Concen: 79.081 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

Tgt Ion: 56 Resp: 25019

Ion Ratio Lower Upper

56 100

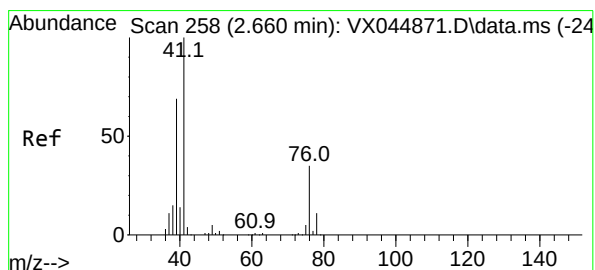
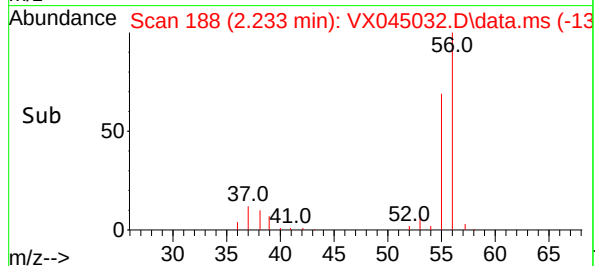
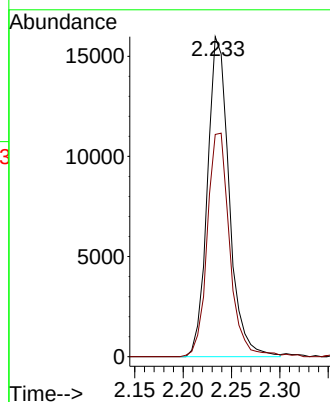
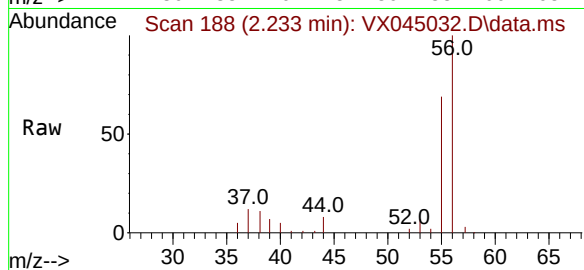
55 72.2 55.7 83.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#14

Allyl chloride

Concen: 18.101 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

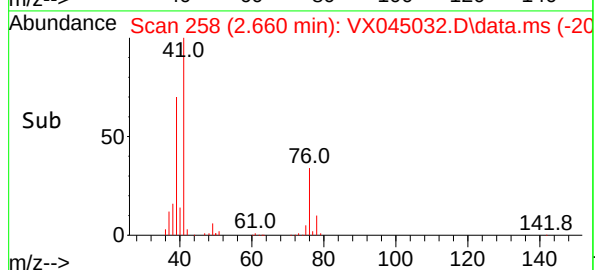
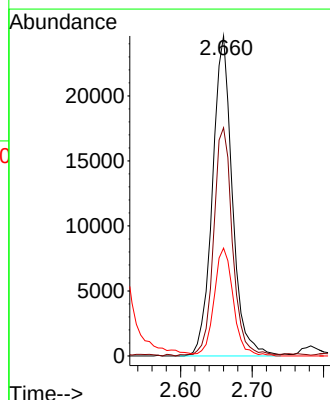
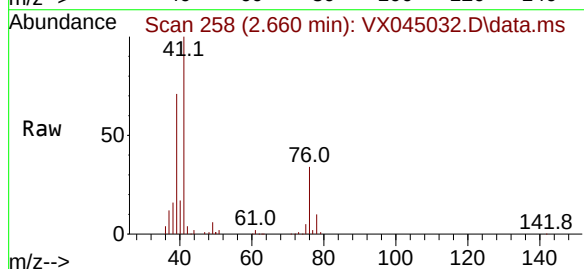
Tgt Ion: 41 Resp: 47611

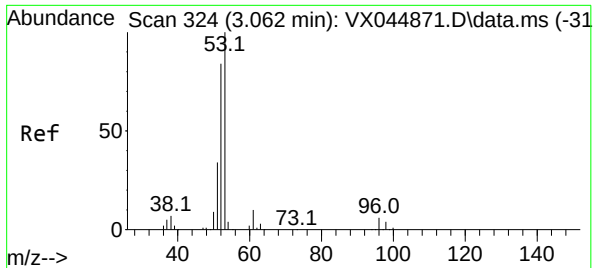
Ion Ratio Lower Upper

41 100

39 67.9 51.4 77.2

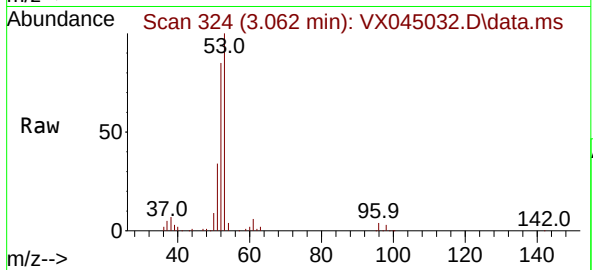
76 32.5 27.0 40.4





#15
Acrylonitrile
Concen: 106.598 ug/l
RT: 3.062 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

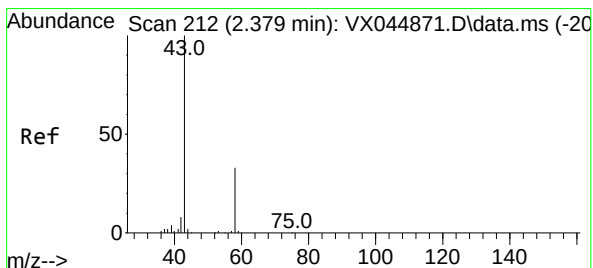
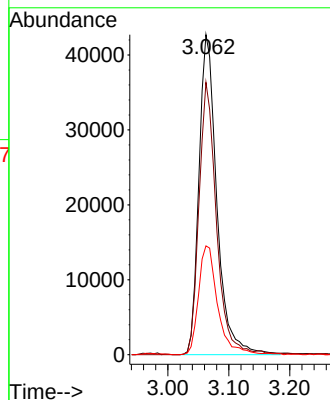
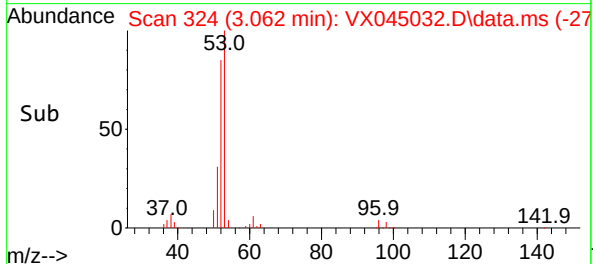
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01



Tgt Ion: 53 Resp: 8727
Ion Ratio Lower Upper
53 100
52 83.2 65.0 97.6
51 36.5 28.0 42.0

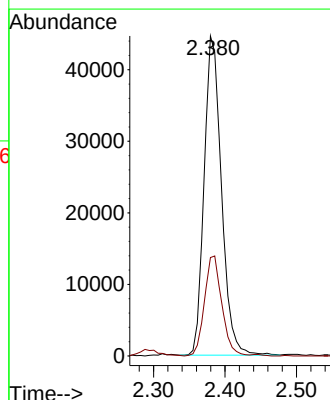
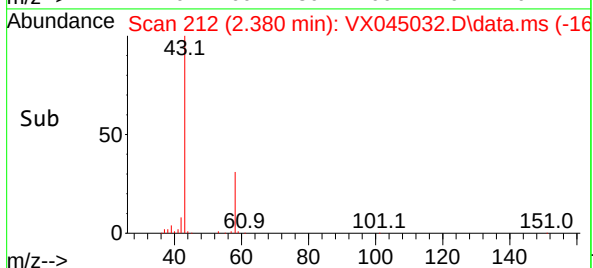
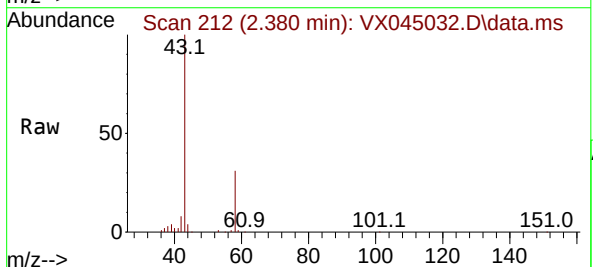
Manual Integrations
APPROVED

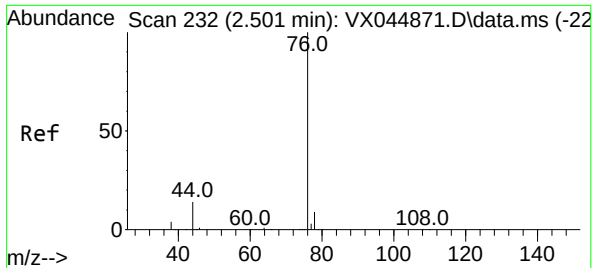
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#16
Acetone
Concen: 113.203 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 43 Resp: 75220
Ion Ratio Lower Upper
43 100
58 30.8 26.5 39.7





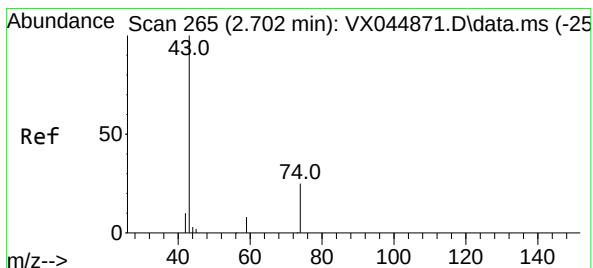
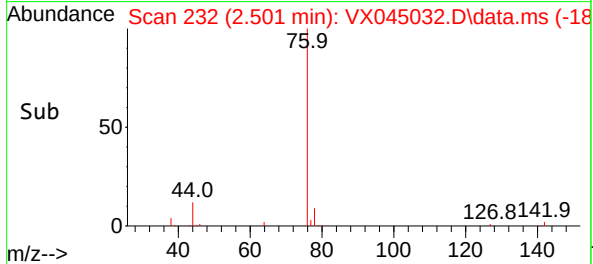
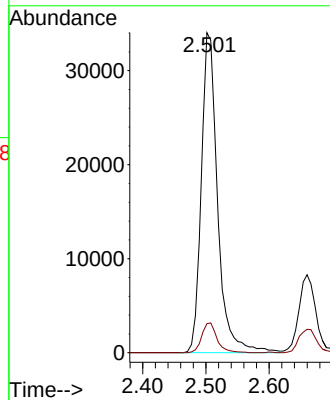
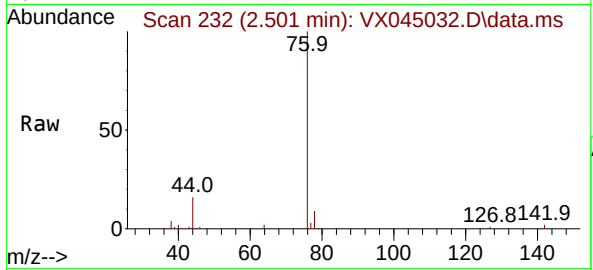
#17
Carbon Disulfide
Concen: 15.327 ug/l
RT: 2.501 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 76 Resp: 61168
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.4

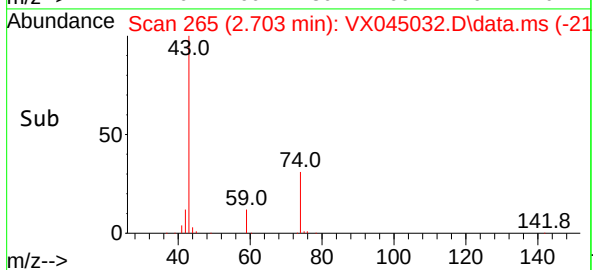
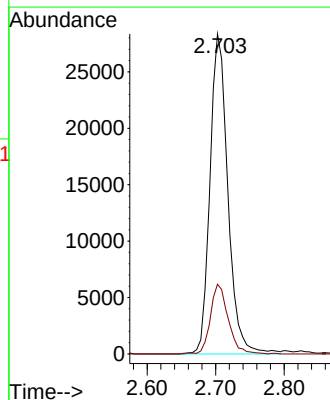
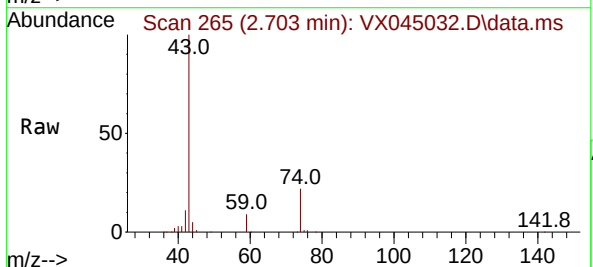
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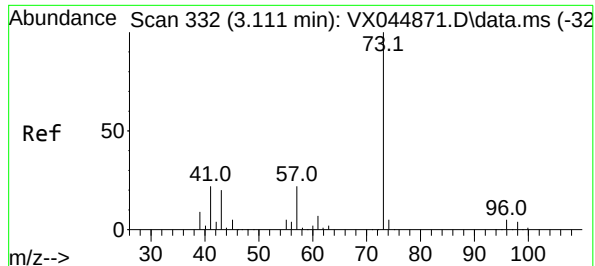
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#18
Methyl Acetate
Concen: 24.593 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 43 Resp: 51568
Ion Ratio Lower Upper
43 100
74 21.6 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 18.782 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

Tgt Ion: 73 Resp: 86972

Ion Ratio Lower Upper

73 100

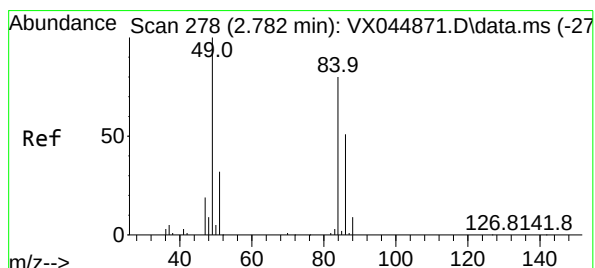
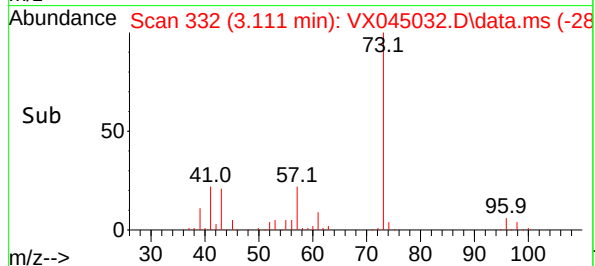
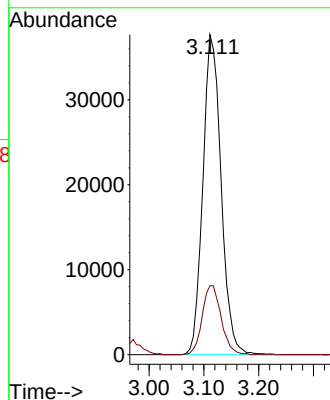
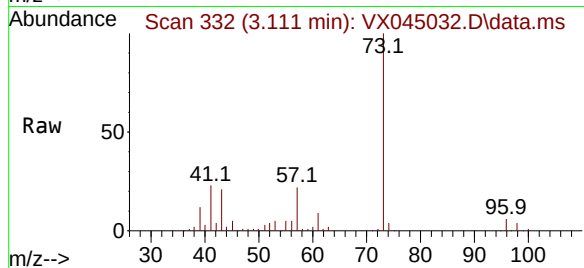
57 21.5 17.9 26.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#20

Methylene Chloride

Concen: 18.452 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Tgt Ion: 84 Resp: 30031

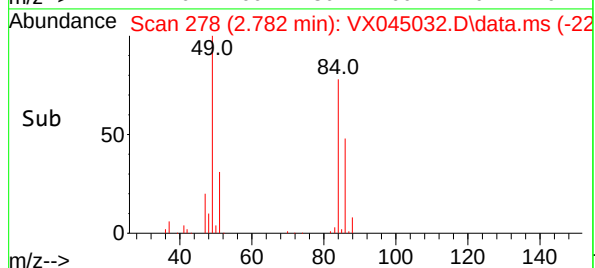
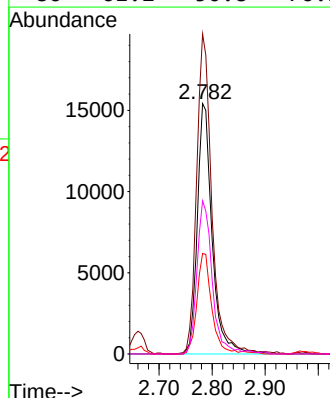
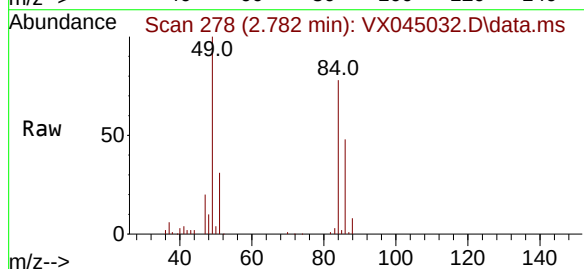
Ion Ratio Lower Upper

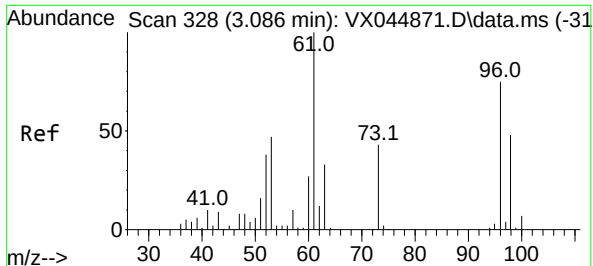
84 100

49 127.4 100.1 150.1

51 40.1 31.7 47.5

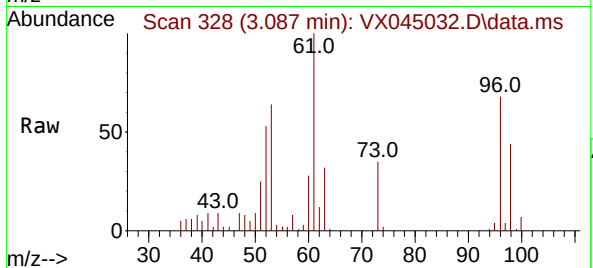
86 61.2 50.8 76.2





#21
trans-1,2-Dichloroethene
Concen: 17.651 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

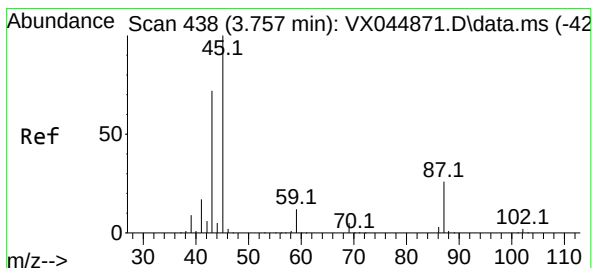
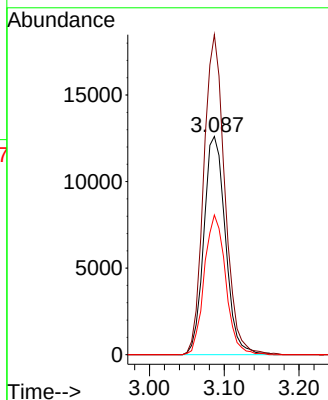
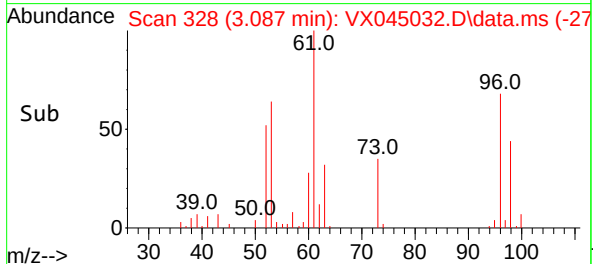
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01



Tgt Ion: 96 Resp: 25284
Ion Ratio Lower Upper
96 100
61 146.7 106.0 159.0
98 64.1 50.6 76.0

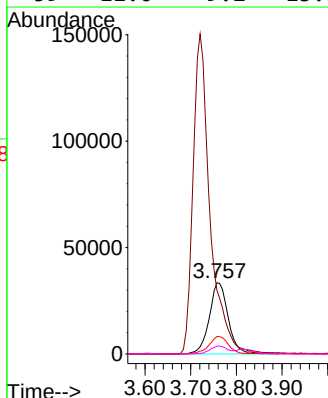
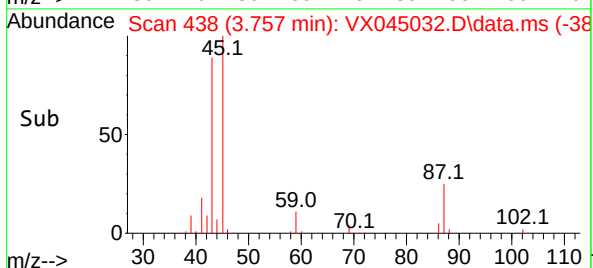
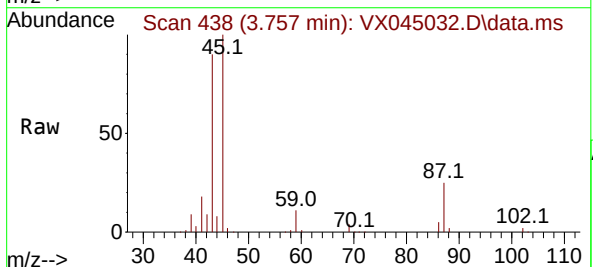
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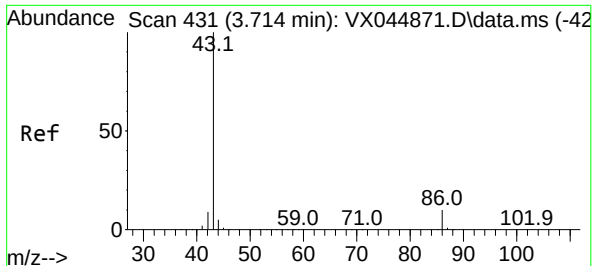
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#22
Diisopropyl ether
Concen: 19.371 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 45 Resp: 96394
Ion Ratio Lower Upper
45 100
43 89.3 58.0 87.0#
87 24.6 20.7 31.1
59 11.0 9.2 13.8





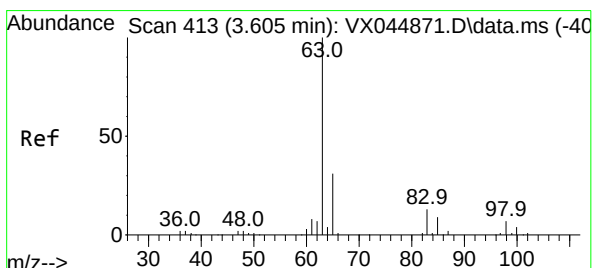
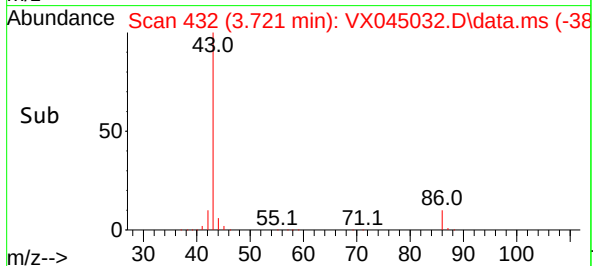
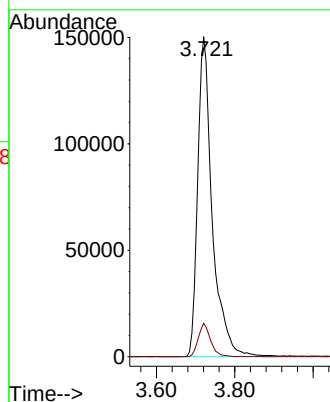
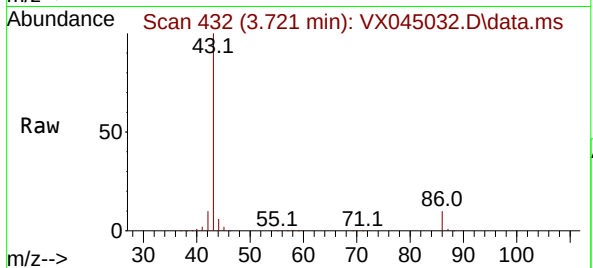
#23
 Vinyl Acetate
 Concen: 96.035 ug/l
 RT: 3.721 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX045032.D
 Acq: 25 Feb 2025 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0225WBS01

Tgt Ion: 43 Resp: 389594
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.3 12.5

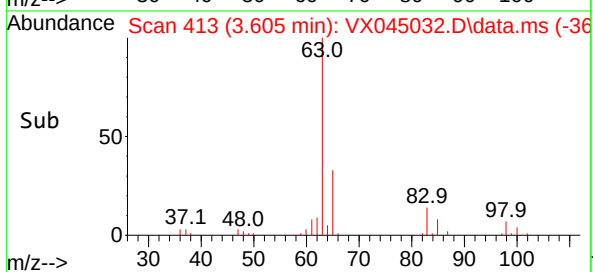
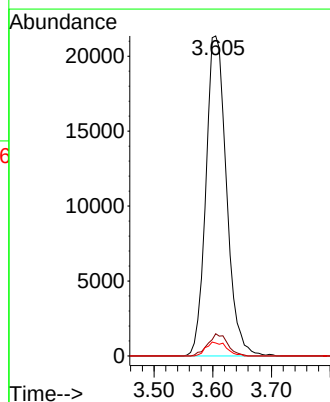
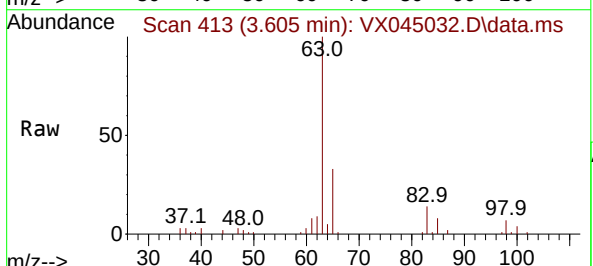
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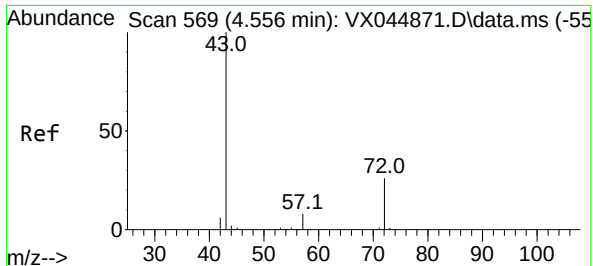
Reviewed By :John Carlone 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025



#24
 1,1-Dichloroethane
 Concen: 18.657 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX045032.D
 Acq: 25 Feb 2025 12:30

Tgt Ion: 63 Resp: 51948
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.9
 100 4.1 2.1 6.5





#25

2-Butanone

Concen: 116.004 ug/l

RT: 4.556 min Scan# 5

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

Tgt Ion: 43 Resp: 12516

Ion Ratio Lower Upper

43 100

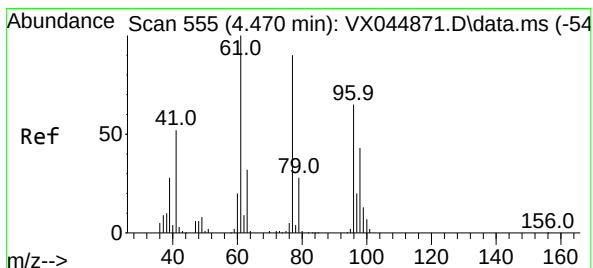
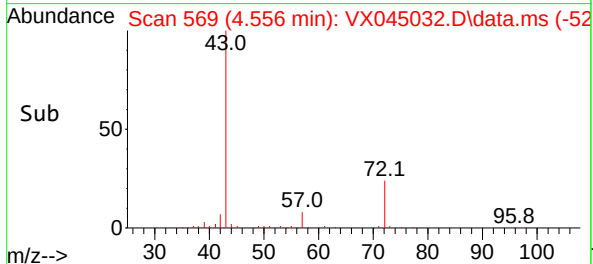
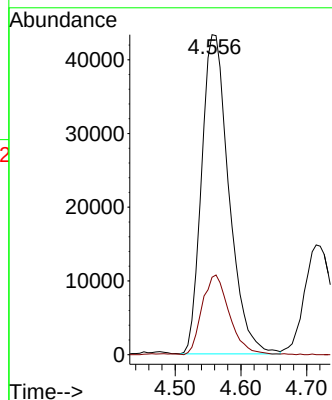
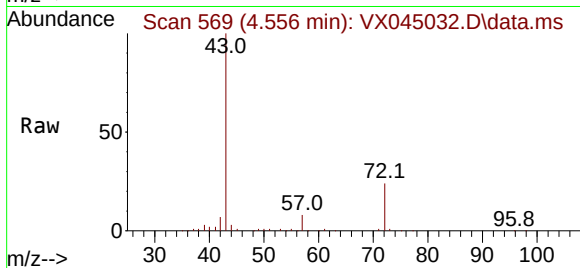
72 24.1 21.2 31.8

Manual Integrations

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Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#26

2,2-Dichloropropane

Concen: 17.701 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.000 min

Lab File: VX045032.D

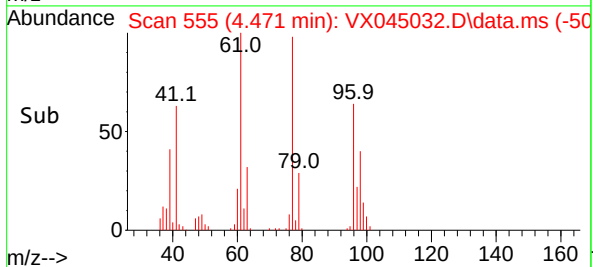
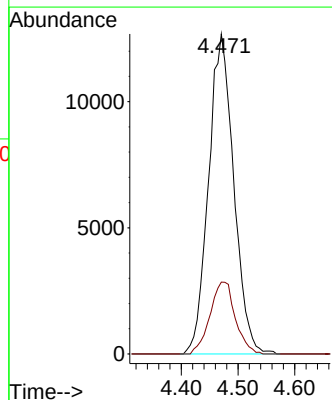
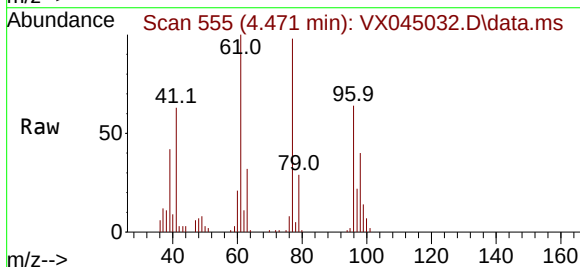
Acq: 25 Feb 2025 12:30

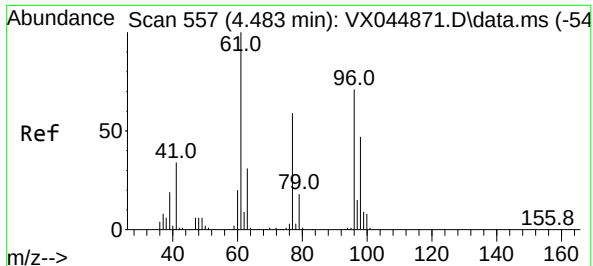
Tgt Ion: 77 Resp: 39084

Ion Ratio Lower Upper

77 100

97 22.6 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 18.799 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

Tgt Ion: 96 Resp: 3234

Ion Ratio Lower Upper

96 100

61 144.8 0.0 294.0

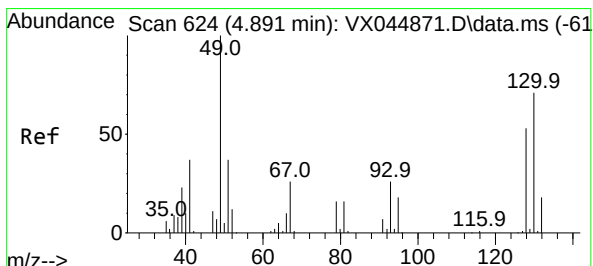
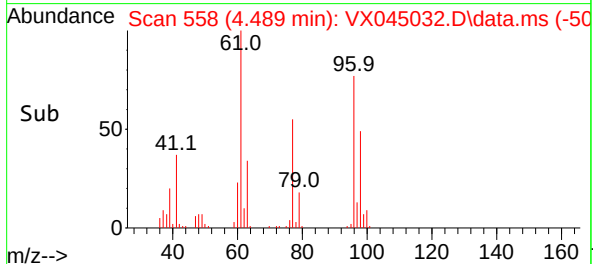
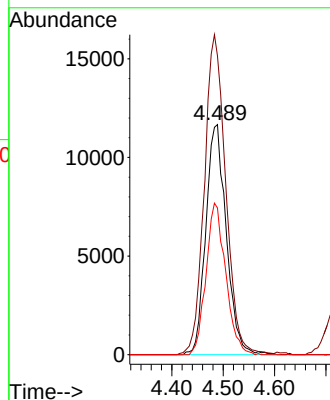
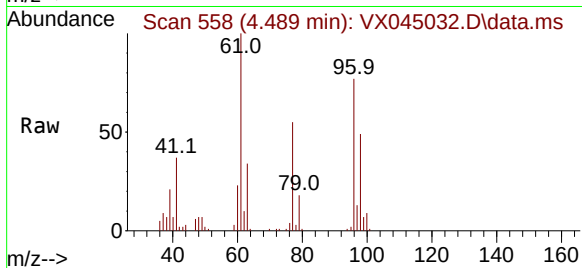
98 63.1 0.0 131.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#28

Bromochloromethane

Concen: 21.150 ug/l

RT: 4.897 min Scan# 625

Delta R.T. 0.006 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

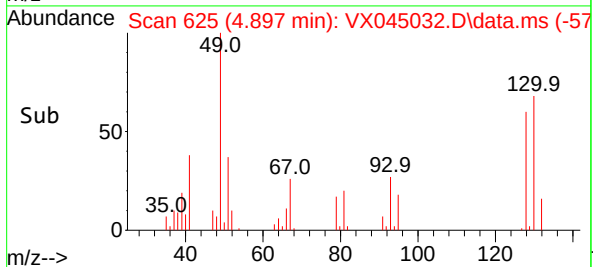
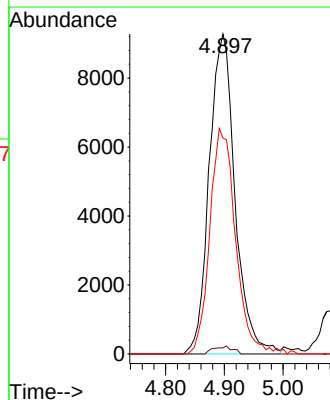
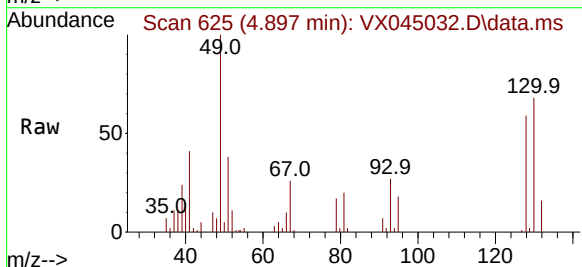
Tgt Ion: 49 Resp: 28300

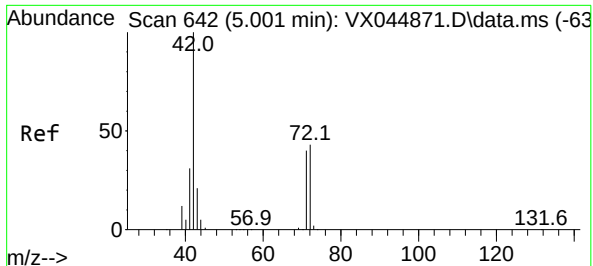
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 69.9 56.7 85.1





#29

Tetrahydrofuran

Concen: 115.117 ug/l

RT: 5.007 min Scan# 642

Delta R.T. 0.006 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

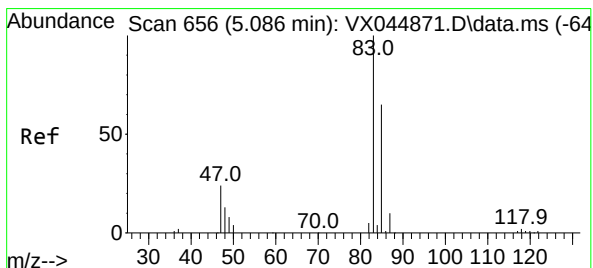
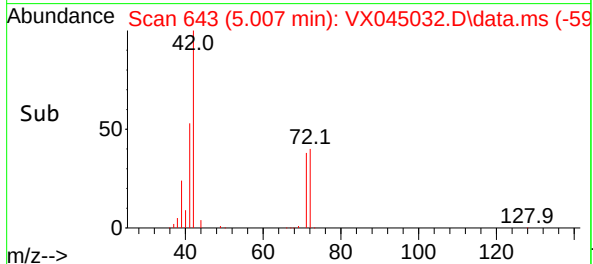
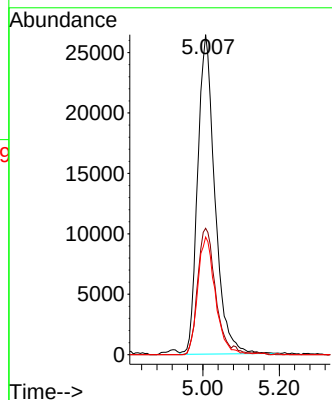
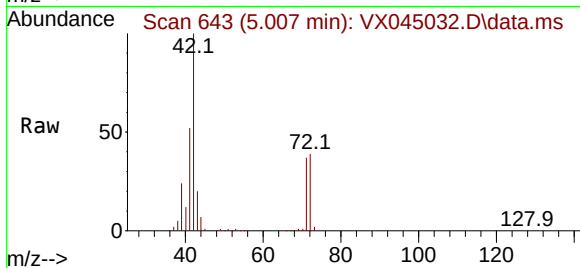
VX0225WBS01

Tgt Ion:	42	Resp:	8247
Ion Ratio	Lower	Upper	
42	100		
72	41.6	35.0	52.4
71	37.8	32.6	48.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#30

Chloroform

Concen: 19.573 ug/l

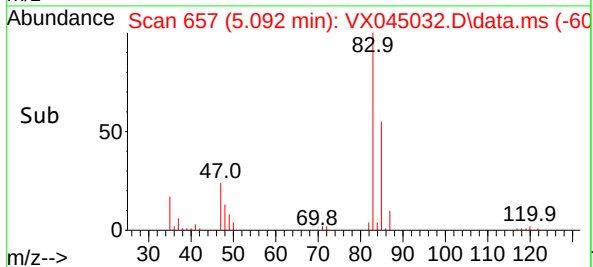
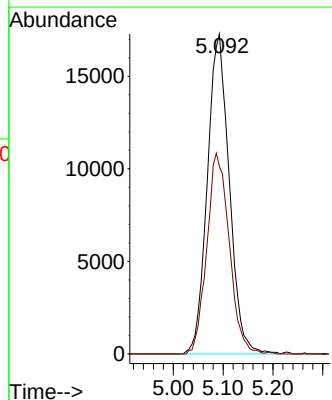
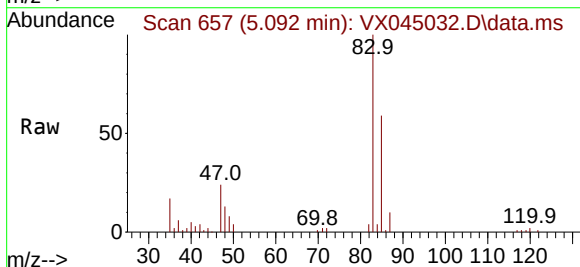
RT: 5.092 min Scan# 657

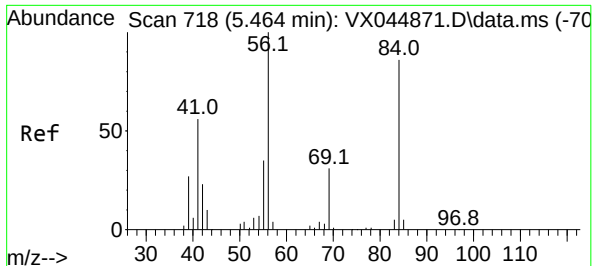
Delta R.T. 0.006 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Tgt Ion:	83	Resp:	52851
Ion Ratio	Lower	Upper	
83	100		
85	58.7	52.1	78.1





#31

Cyclohexane

Concen: 17.083 ug/l

RT: 5.470 min Scan# 703

Delta R.T. 0.006 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

Tgt Ion: 56 Resp: 43850

Ion Ratio Lower Upper

56 100

69 26.5 24.4 36.6

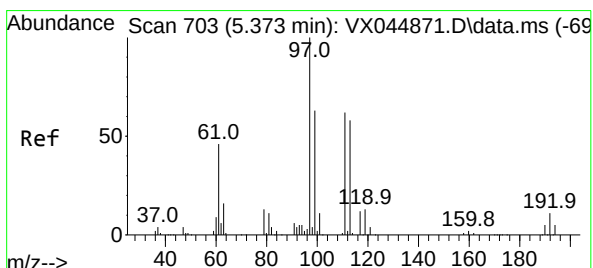
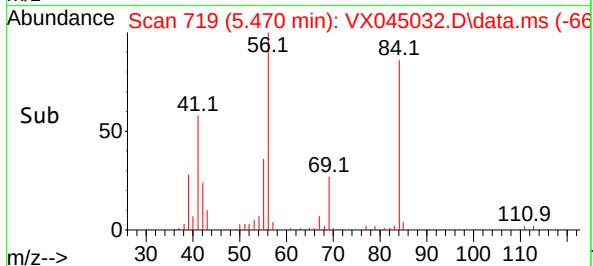
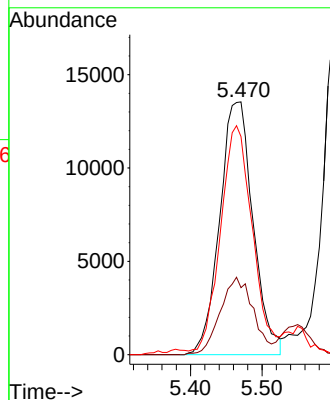
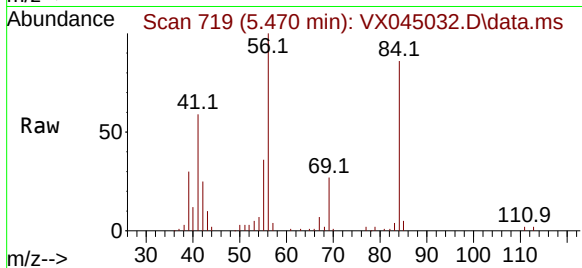
84 84.5 69.0 103.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#32

1,1,1-Trichloroethane

Concen: 18.718 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

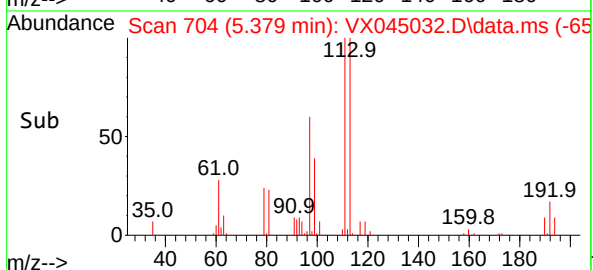
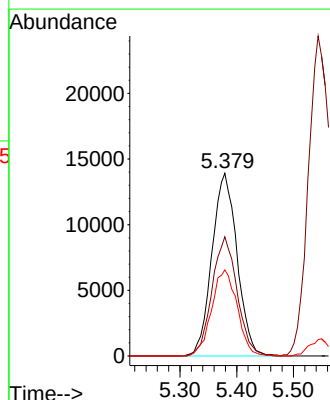
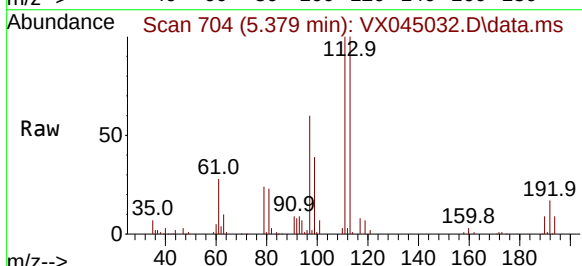
Tgt Ion: 97 Resp: 42871

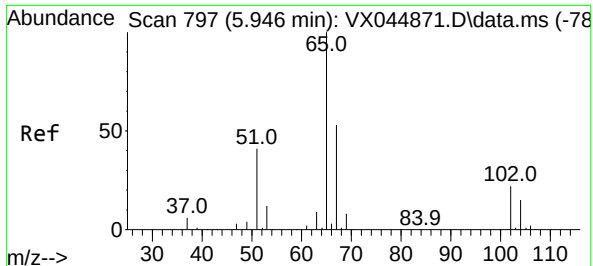
Ion Ratio Lower Upper

97 100

99 65.0 51.0 76.6

61 47.8 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 52.977 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

Tgt Ion: 65 Resp: 87564

Ion Ratio Lower Upper

65 100

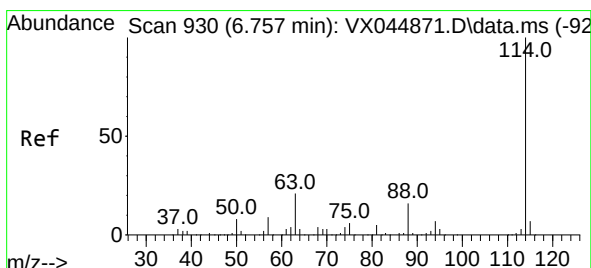
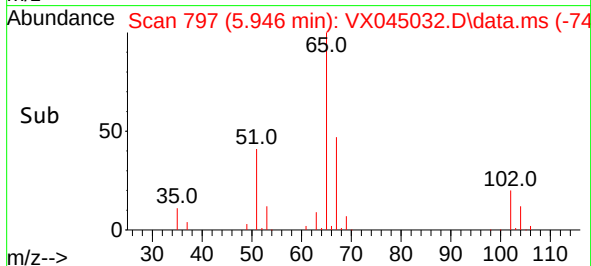
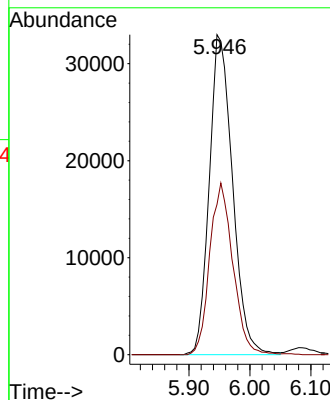
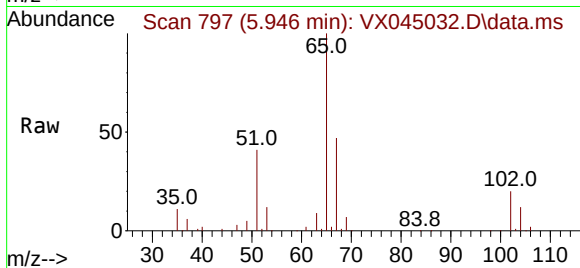
67 53.3 0.0 108.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

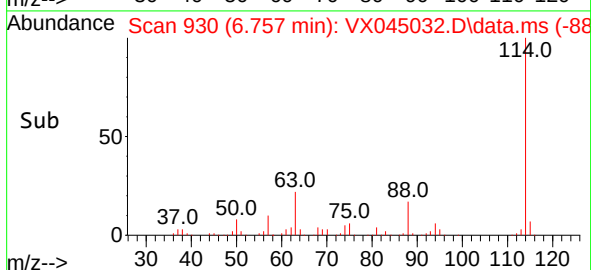
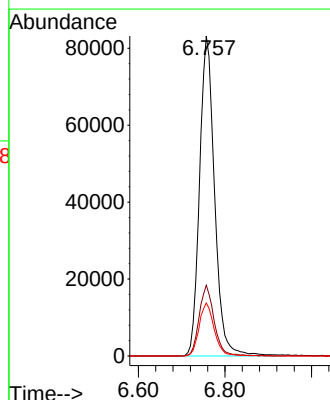
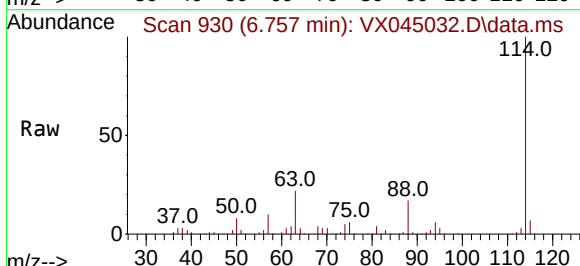
Tgt Ion:114 Resp: 200483

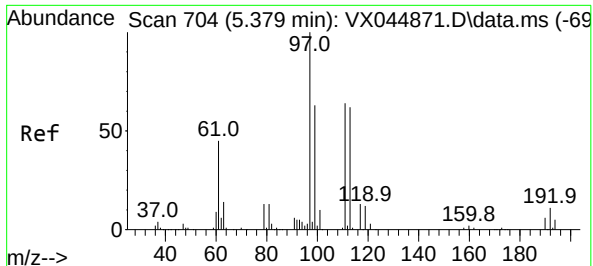
Ion Ratio Lower Upper

114 100

63 22.1 0.0 42.4

88 16.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.786 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

Tgt Ion:113 Resp: 6880

Ion Ratio Lower Upper

113 100

111 102.1 83.5 125.3

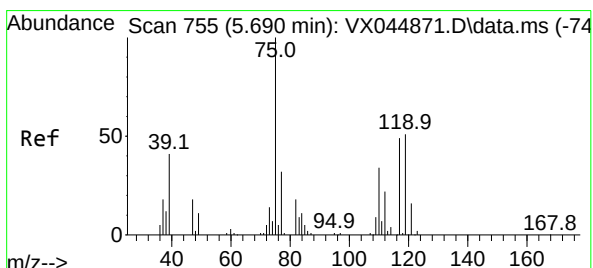
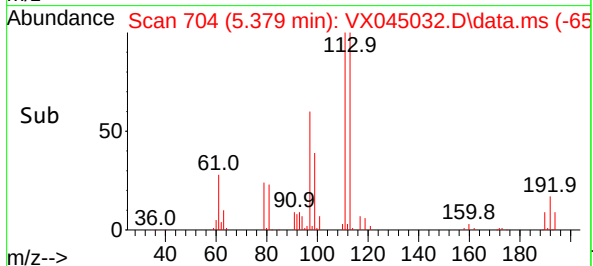
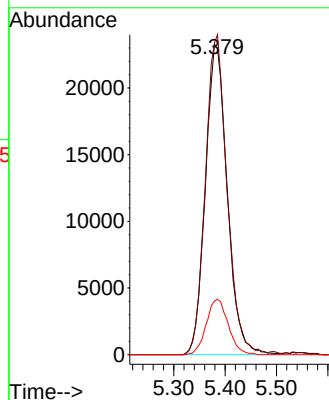
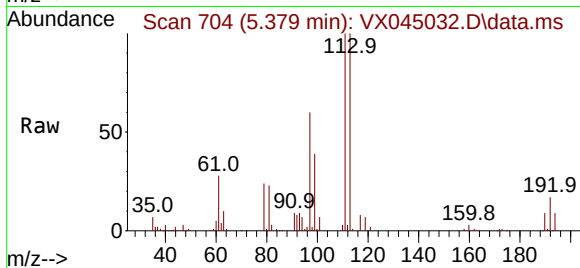
192 17.9 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#36

1,1-Dichloropropene

Concen: 18.738 ug/l

RT: 5.690 min Scan# 755

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

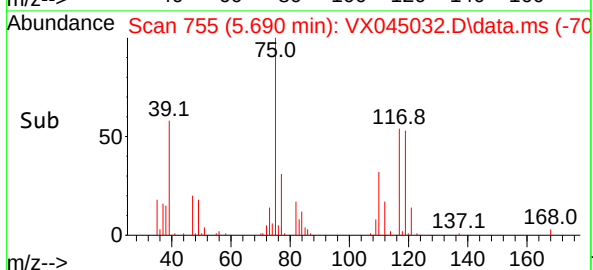
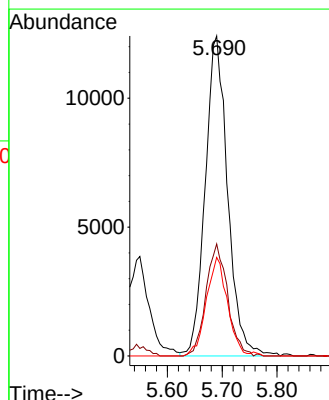
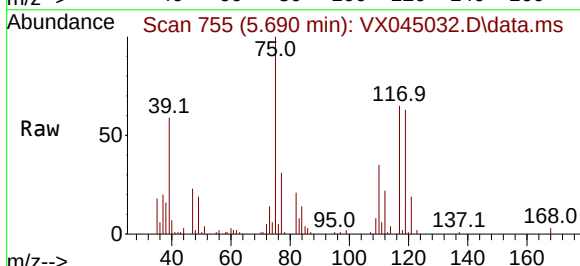
Tgt Ion: 75 Resp: 35238

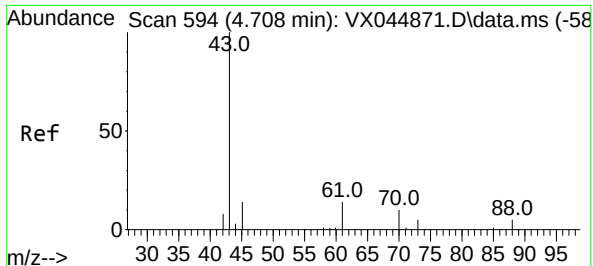
Ion Ratio Lower Upper

75 100

110 33.8 17.2 51.6

77 29.1 24.6 37.0





#37

Ethyl Acetate

Concen: 21.419 ug/l

RT: 4.714 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

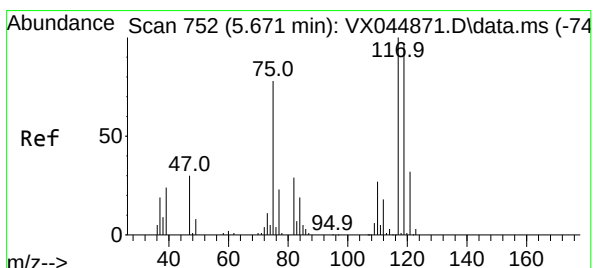
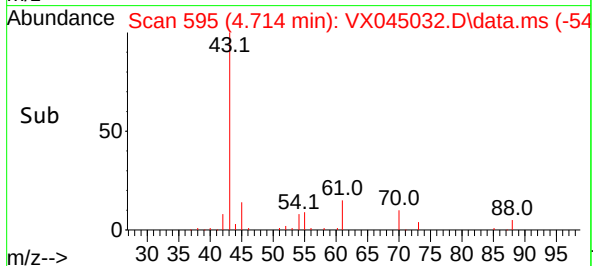
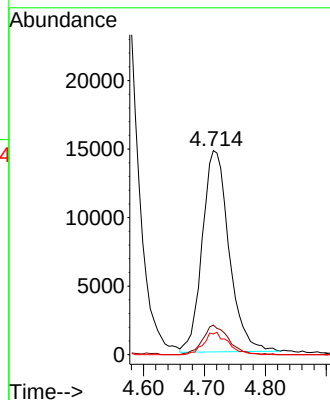
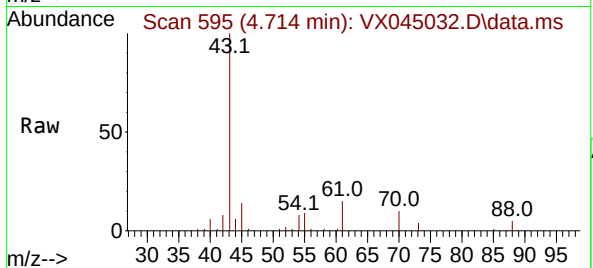
VX0225WBS01

Tgt Ion:	43	Resp:	4480
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.4
70	10.1	8.2	12.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#38

Carbon Tetrachloride

Concen: 19.628 ug/l

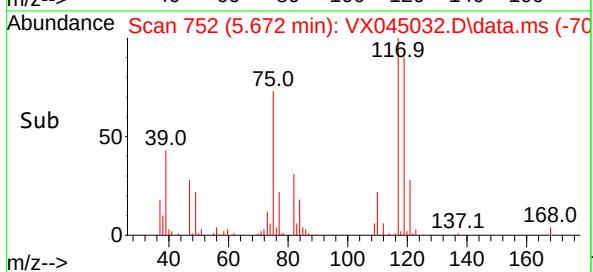
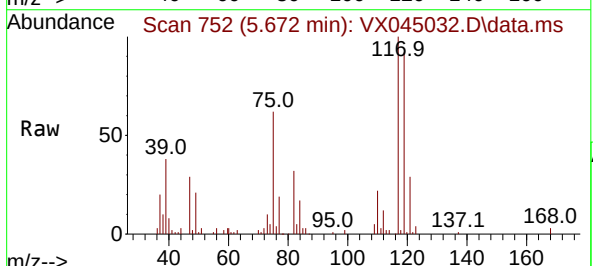
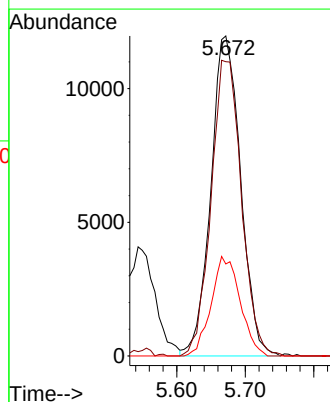
RT: 5.672 min Scan# 752

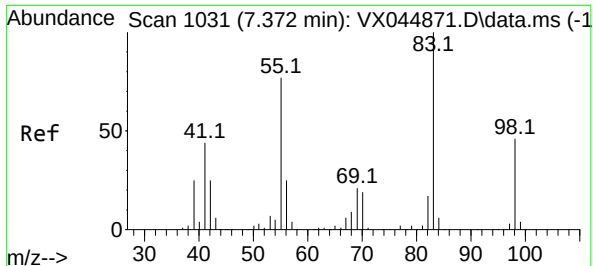
Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Tgt Ion:	117	Resp:	36171
Ion	Ratio	Lower	Upper
117	100		
119	92.0	77.5	116.3
121	28.7	25.6	38.4





#39

Methylcyclohexane

Concen: 18.220 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

Tgt Ion: 83 Resp: 4429

Ion Ratio Lower Upper

83 100

55 77.1 61.3 91.9

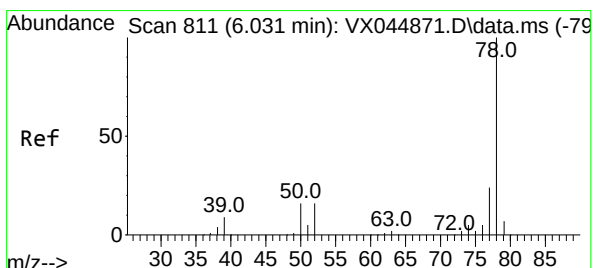
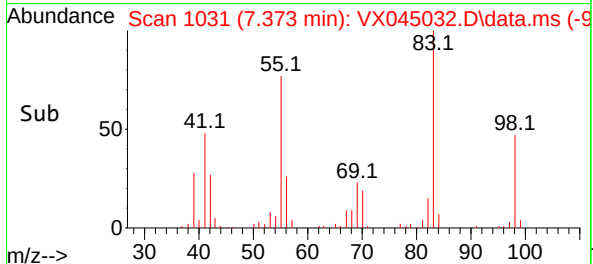
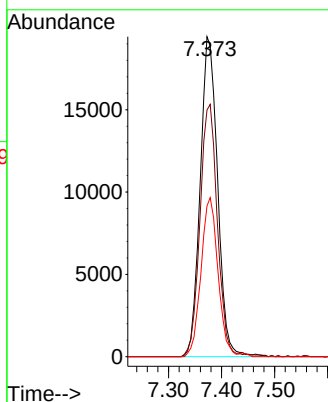
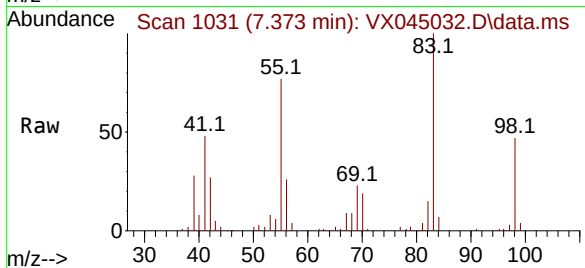
98 47.1 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#40

Benzene

Concen: 19.128 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX045032.D

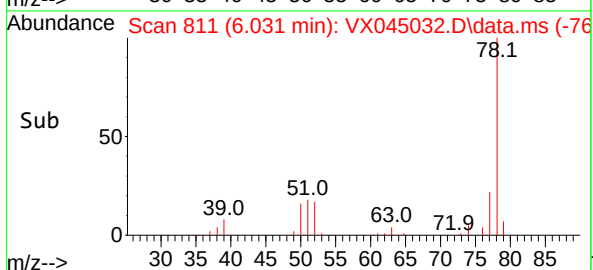
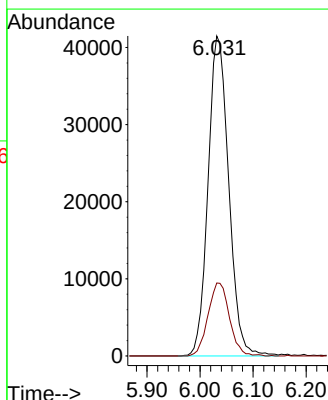
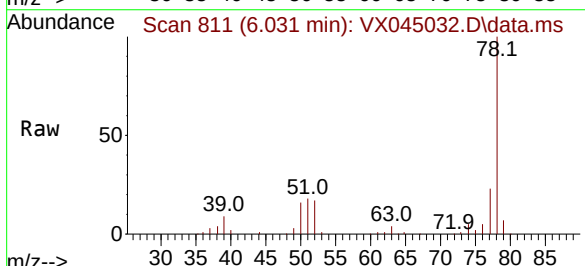
Acq: 25 Feb 2025 12:30

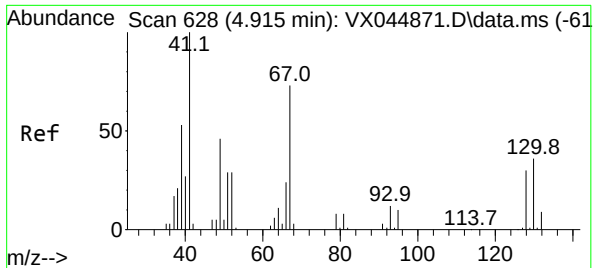
Tgt Ion: 78 Resp: 112321

Ion Ratio Lower Upper

78 100

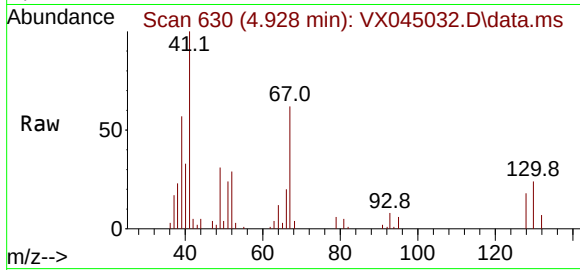
77 22.8 19.0 28.6





#41
Methacrylonitrile
Concen: 22.872 ug/l
RT: 4.928 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

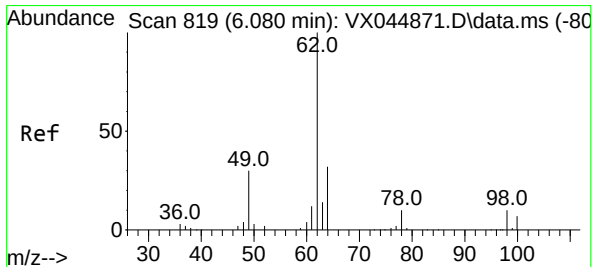
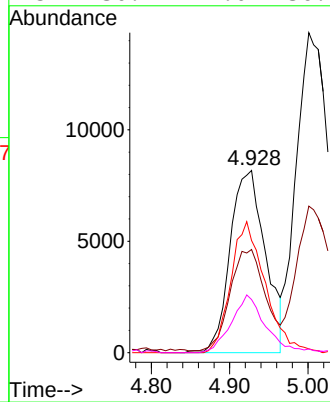
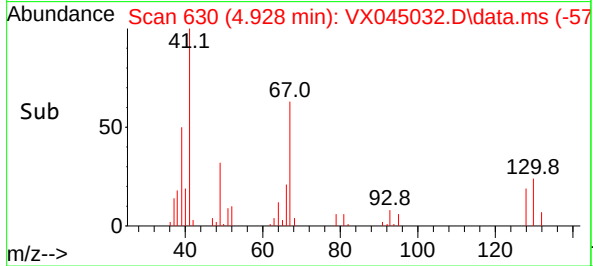
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01



Tgt Ion: 41 Resp: 2560
Ion Ratio Lower Upper
41 100
39 55.9 43.1 64.7
67 69.9 57.0 85.6
52 30.7 24.0 36.0

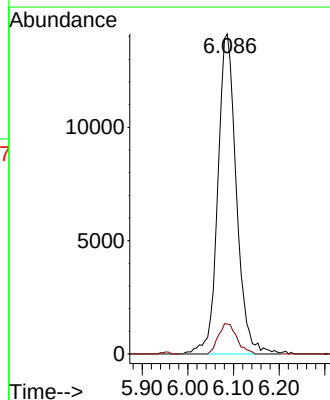
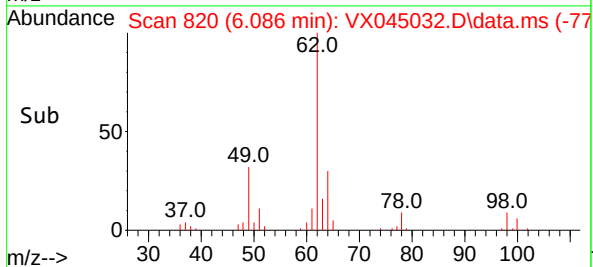
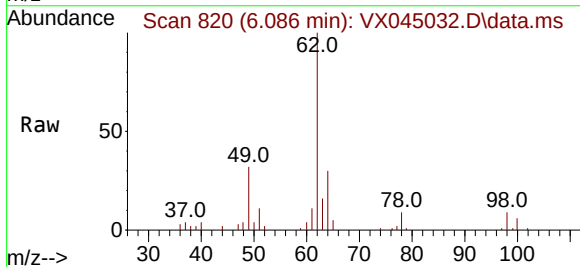
Manual Integrations
APPROVED

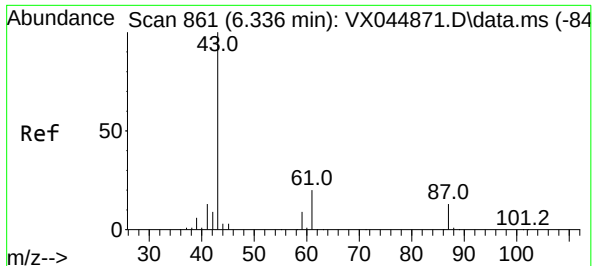
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#42
1,2-Dichloroethane
Concen: 21.320 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 62 Resp: 39901
Ion Ratio Lower Upper
62 100
98 9.4 0.0 19.4





#43

Isopropyl Acetate

Concen: 21.331 ug/l

RT: 6.342 min Scan# 862

Delta R.T. 0.006 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

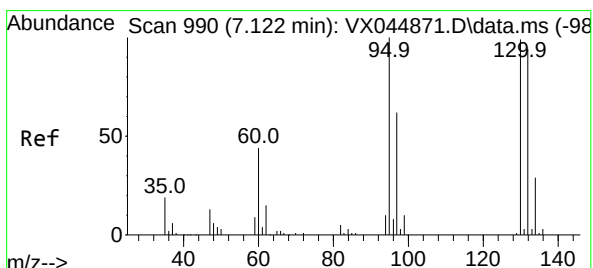
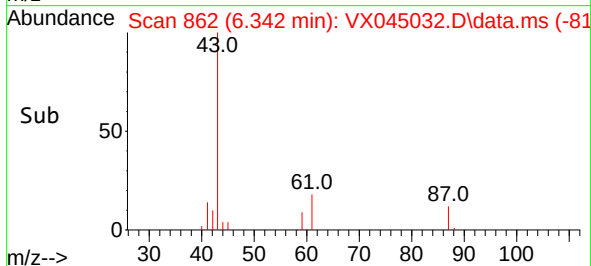
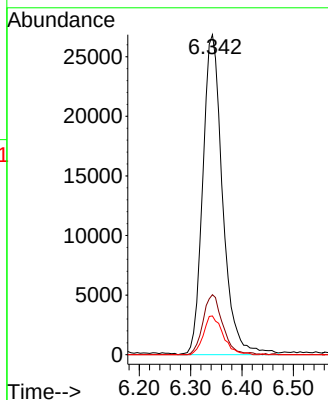
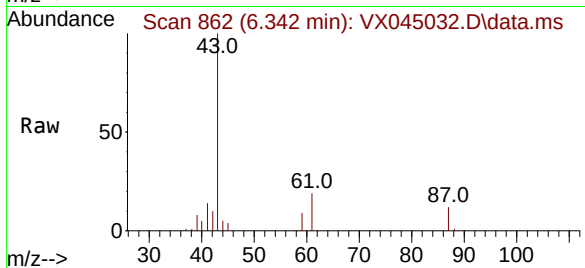
VX0225WBS01

Tgt Ion: 43	Resp: 7205
Ion Ratio	Lower Upper
43	100
61	18.6 15.8 23.8
87	11.9 10.0 15.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#44

Trichloroethene

Concen: 19.194 ug/l

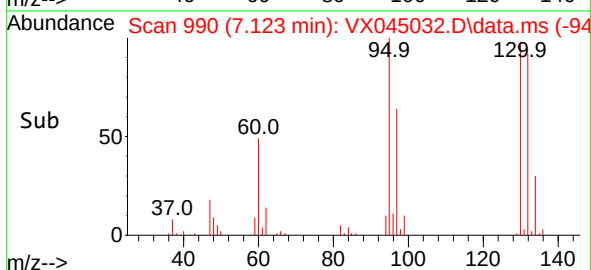
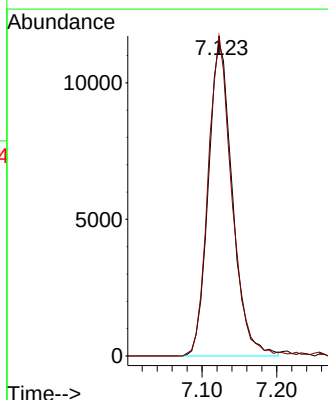
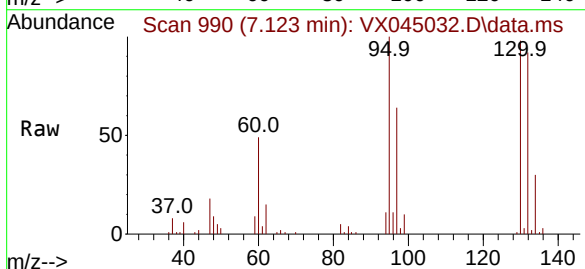
RT: 7.123 min Scan# 990

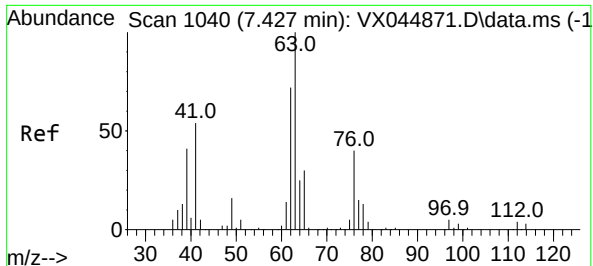
Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Tgt Ion:130	Resp: 25763
Ion Ratio	Lower Upper
130	100
95	101.9 0.0 202.4





#45

1,2-Dichloropropane

Concen: 19.798 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

Tgt Ion: 63 Resp: 2892

Ion Ratio Lower Upper

63 100

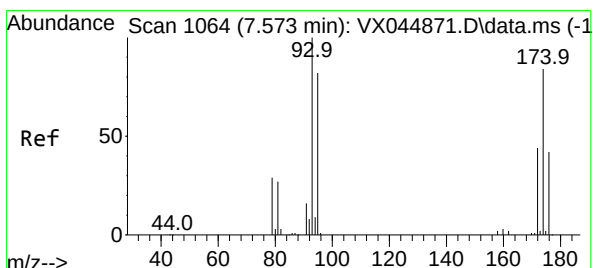
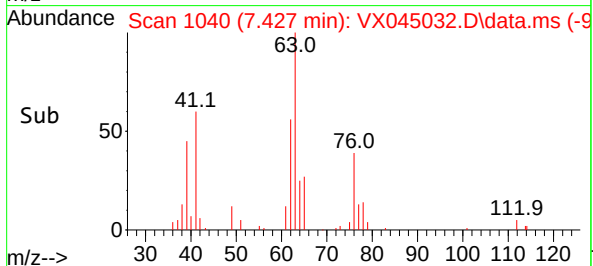
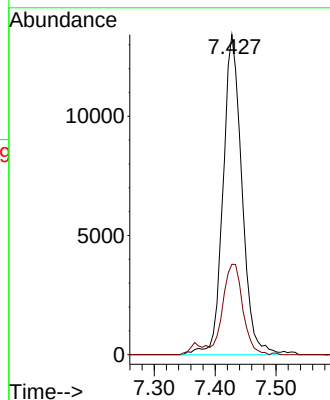
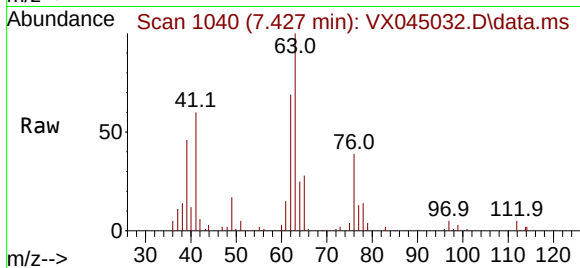
65 28.2 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#46

Dibromomethane

Concen: 20.692 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

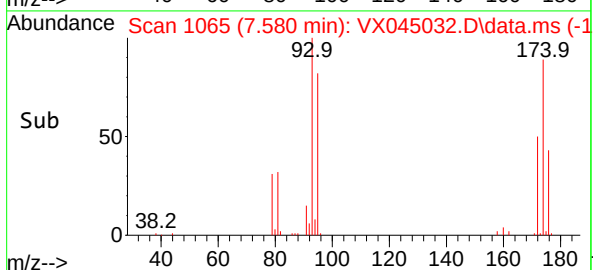
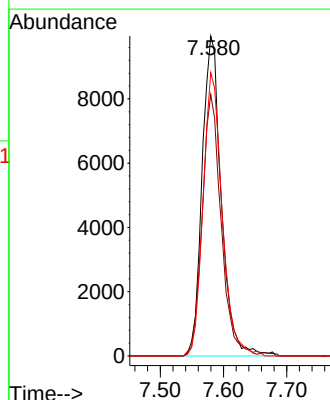
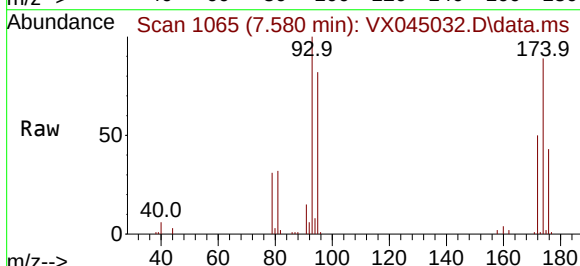
Tgt Ion: 93 Resp: 20964

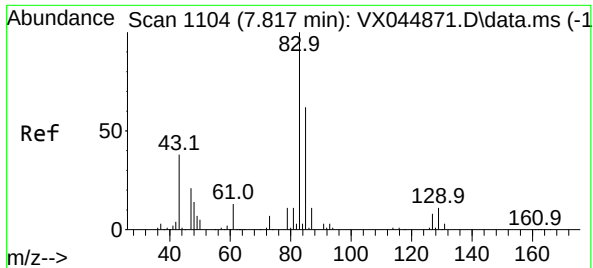
Ion Ratio Lower Upper

93 100

95 80.4 66.2 99.4

174 88.4 69.9 104.9





#47

Bromodichloromethane

Concen: 20.401 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

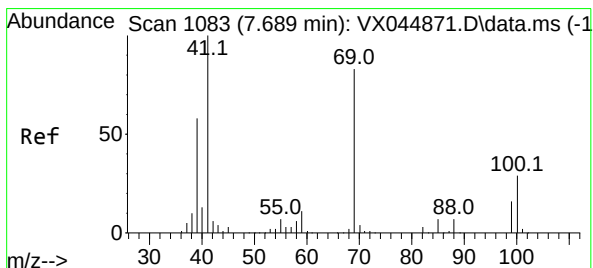
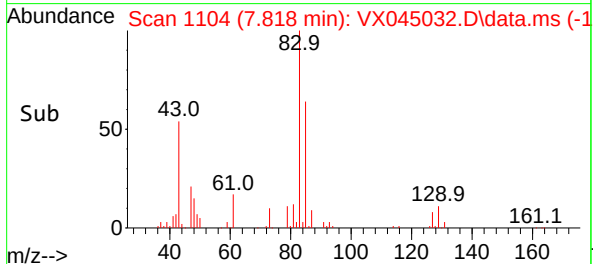
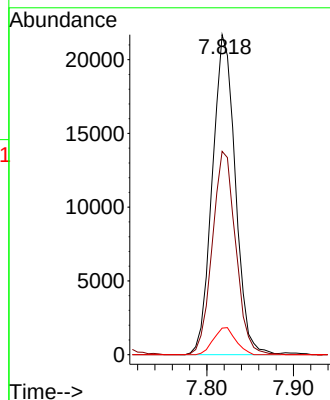
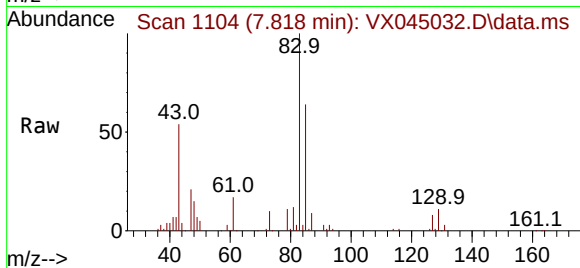
Tgt Ion:	83	Resp:	4002
Ion Ratio	Lower	Upper	
83	100		
85	63.6	50.0	75.0
127	8.3	6.4	9.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#48

Methyl methacrylate

Concen: 21.931 ug/l

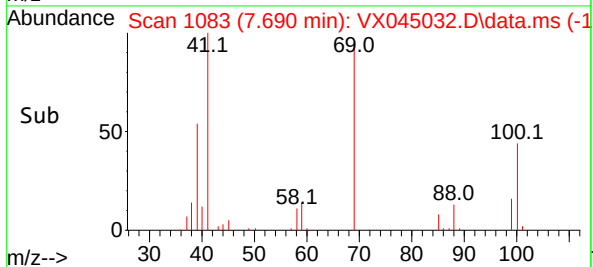
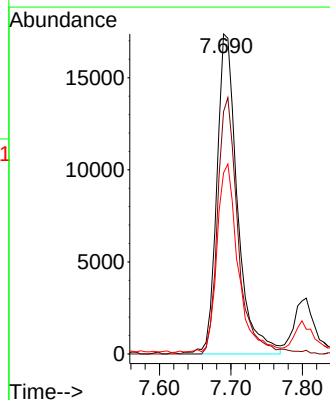
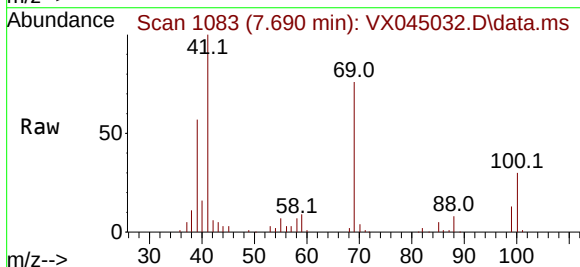
RT: 7.690 min Scan# 1083

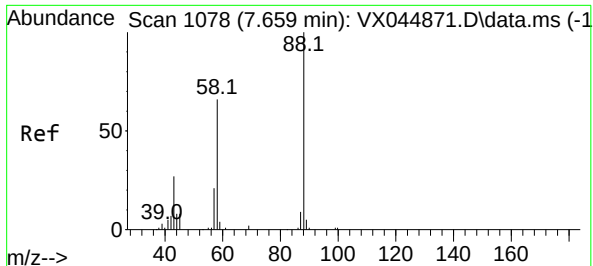
Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Tgt Ion:	41	Resp:	34929
Ion Ratio	Lower	Upper	
41	100		
69	79.2	65.8	98.8
39	59.4	46.4	69.6





#49

1,4-Dioxane

Concen: 446.435 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

Tgt Ion: 88 Resp: 1525

Ion Ratio Lower Upper

88 100

43 34.4 26.6 39.8

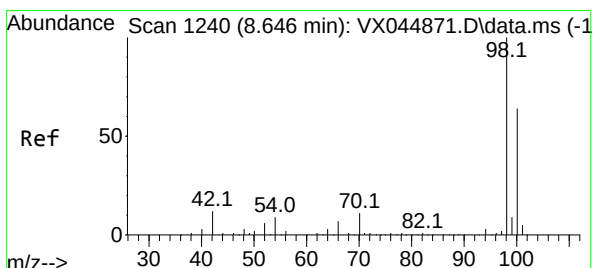
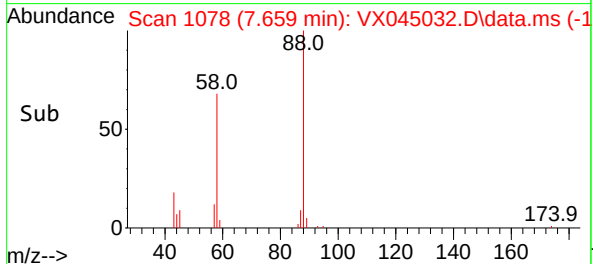
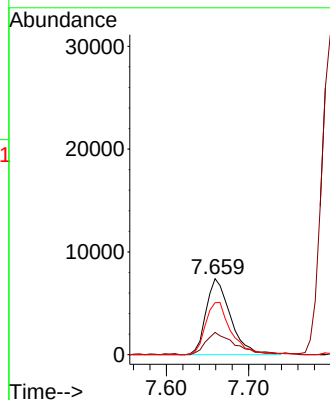
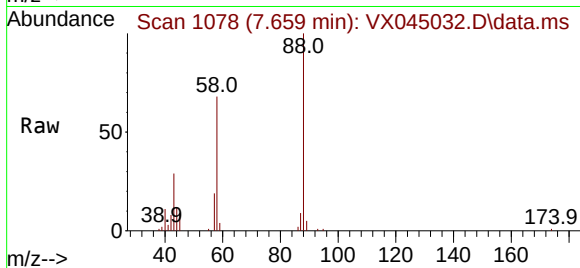
58 72.4 55.9 83.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#50

Toluene-d8

Concen: 50.555 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX045032.D

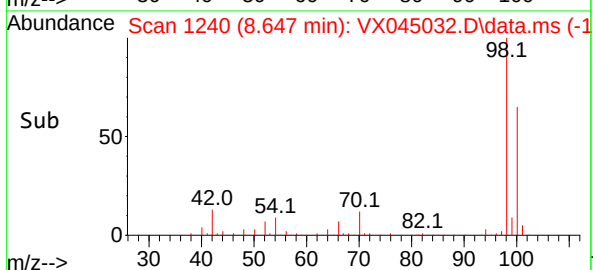
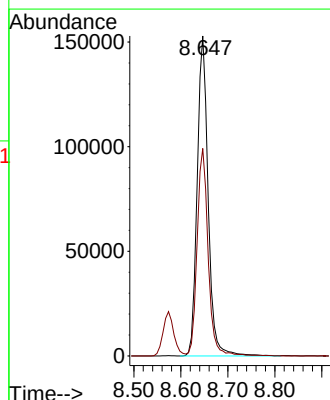
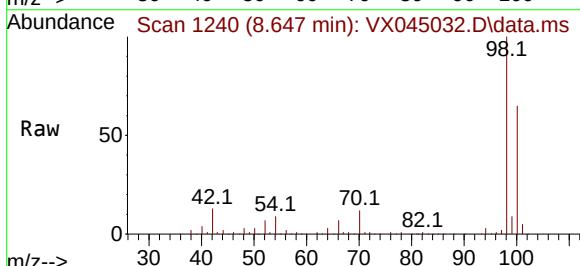
Acq: 25 Feb 2025 12:30

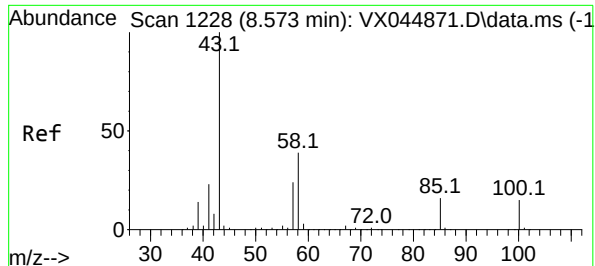
Tgt Ion: 98 Resp: 249185

Ion Ratio Lower Upper

98 100

100 64.5 52.7 79.1





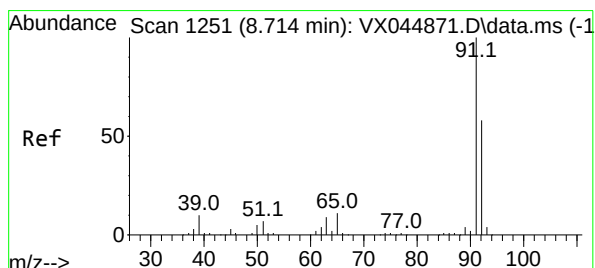
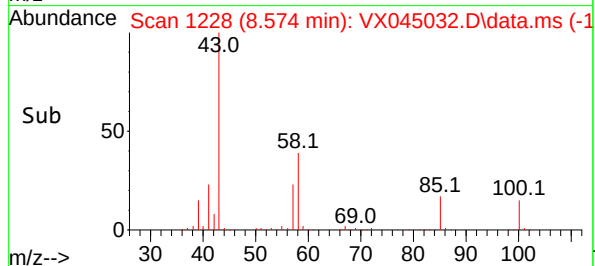
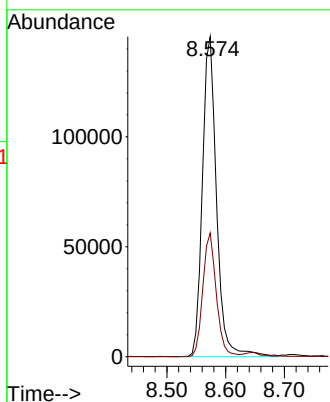
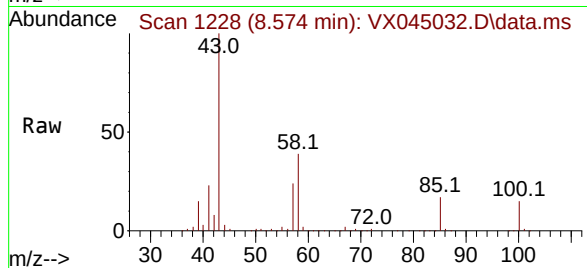
#51
4-Methyl-2-Pentanone
Concen: 118.897 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 43 Resp: 24415
Ion Ratio Lower Upper
43 100
58 36.7 30.8 46.2

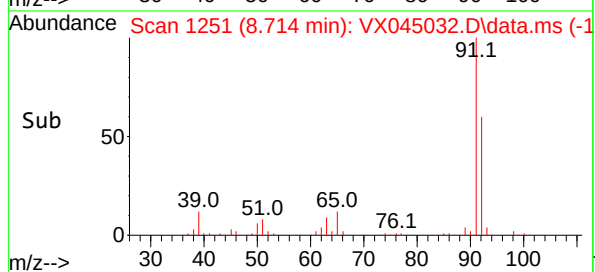
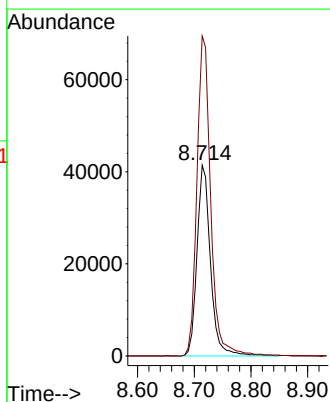
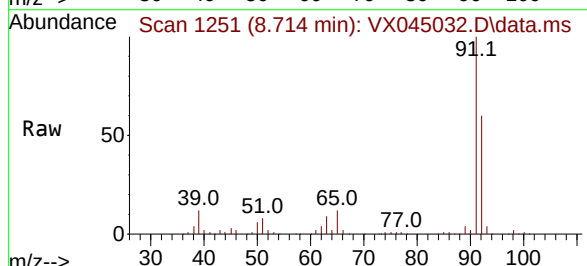
Manual Integrations
APPROVED

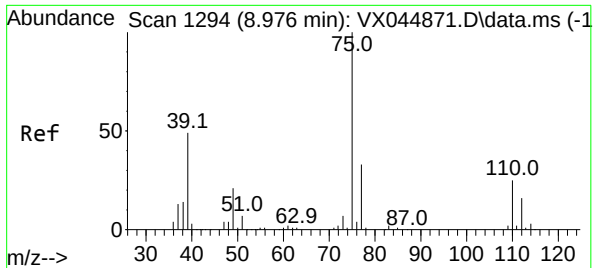
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#52
Toluene
Concen: 19.597 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 92 Resp: 68535
Ion Ratio Lower Upper
92 100
91 171.2 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 18.673 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

Tgt Ion: 75 Resp: 37069

Ion Ratio Lower Upper

75 100

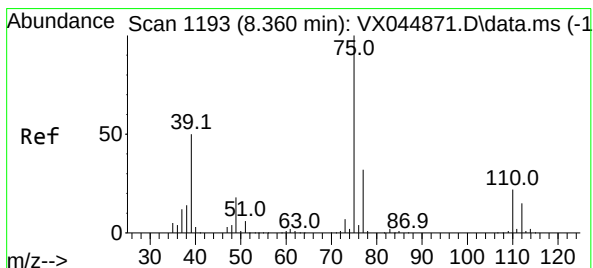
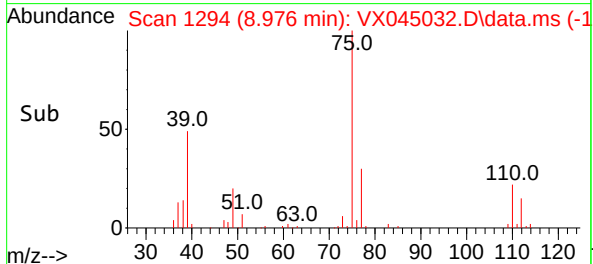
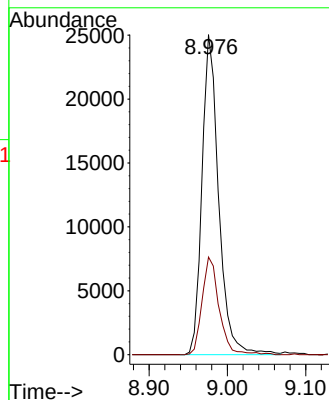
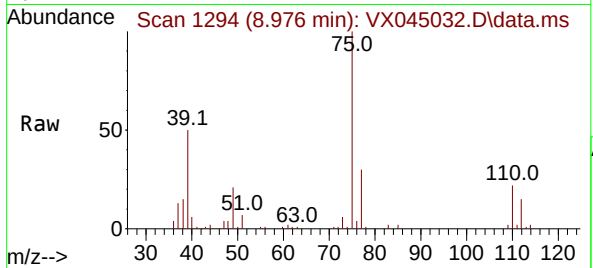
77 30.5 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#54

cis-1,3-Dichloropropene

Concen: 19.324 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

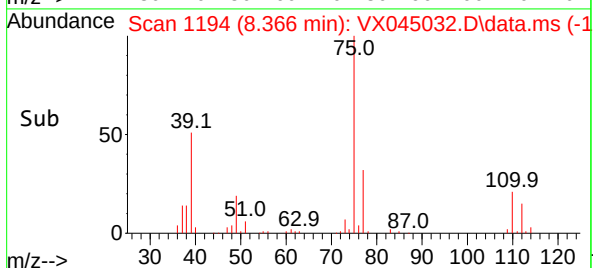
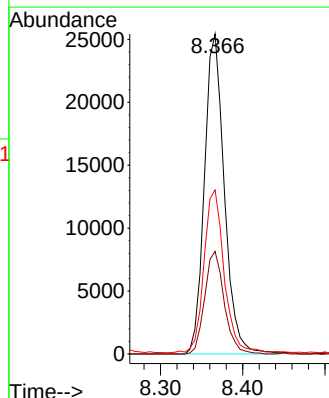
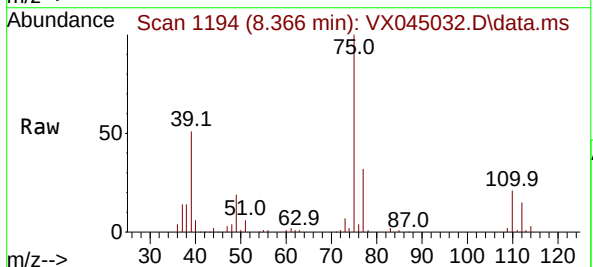
Tgt Ion: 75 Resp: 42772

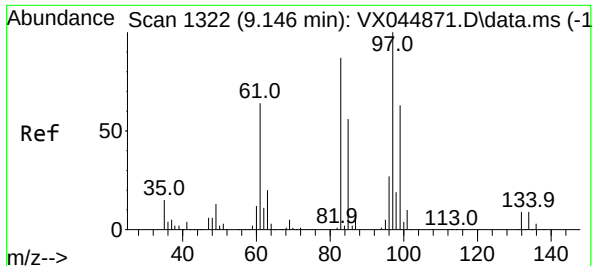
Ion Ratio Lower Upper

75 100

77 32.0 25.3 37.9

39 50.5 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 20.722 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.006 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

Tgt Ion: 97 Resp: 2785

Ion Ratio Lower Upper

97 100

83 85.1 69.8 104.6

85 54.5 44.8 67.2

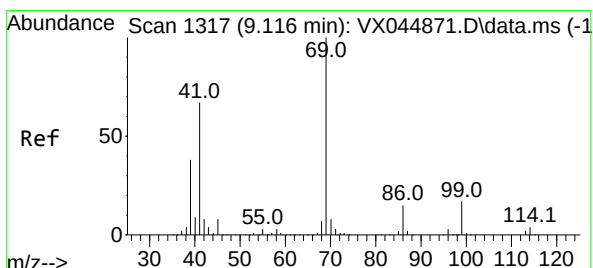
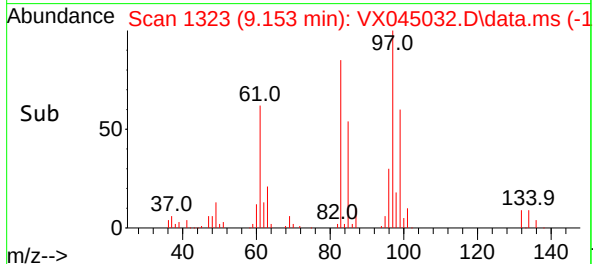
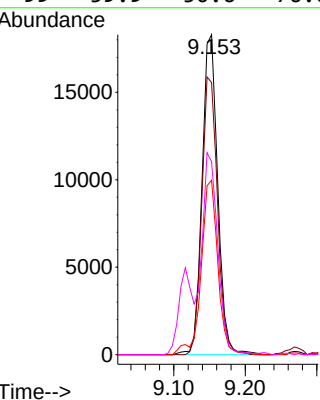
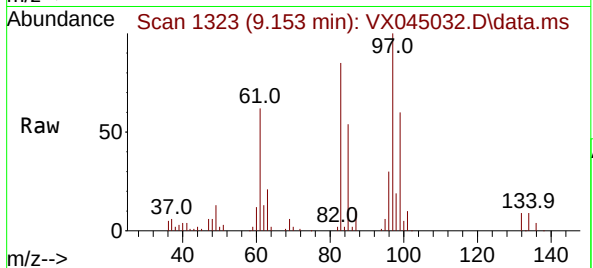
99 59.9 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#56

Ethyl methacrylate

Concen: 19.922 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

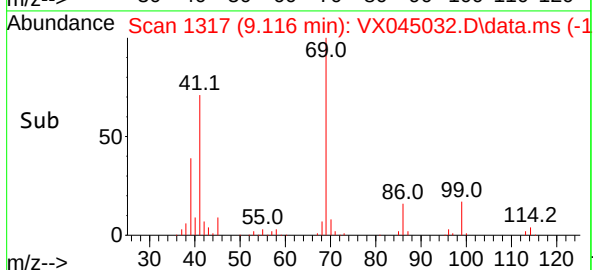
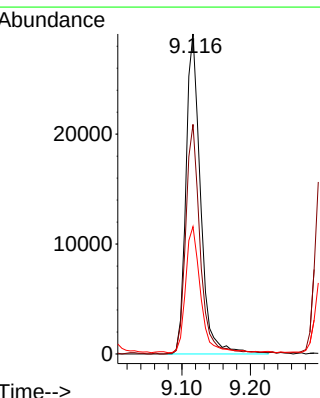
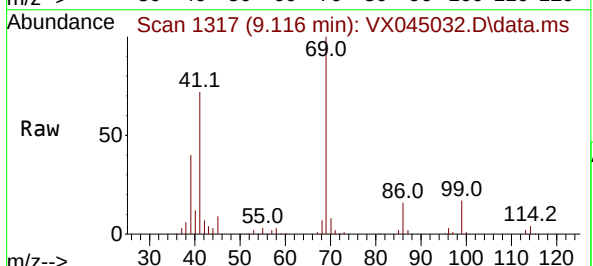
Tgt Ion: 69 Resp: 43256

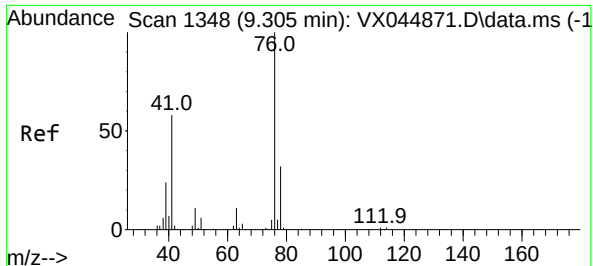
Ion Ratio Lower Upper

69 100

41 71.8 55.2 82.8

39 40.3 30.8 46.2





#57

1,3-Dichloropropane

Concen: 20.413 ug/l

RT: 9.305 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

Tgt Ion: 76 Resp: 4801

Ion Ratio Lower Upper

76 100

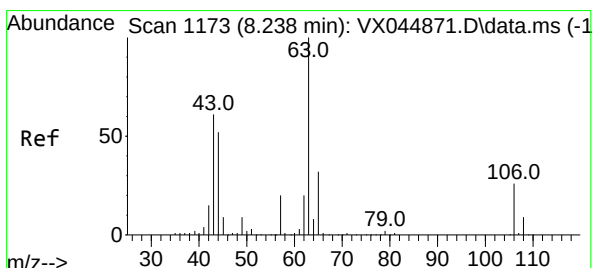
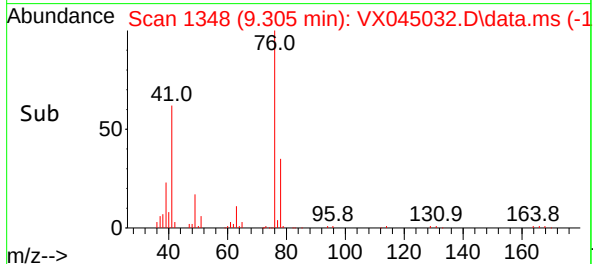
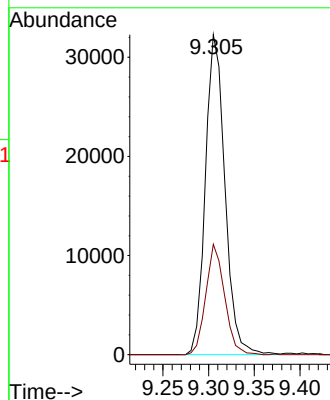
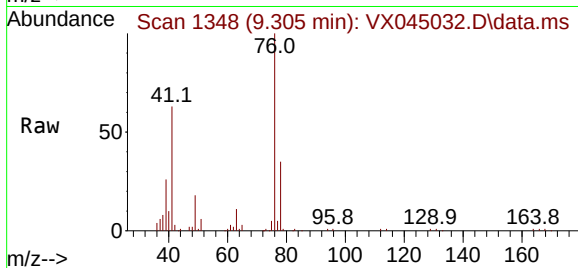
78 33.2 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#58

2-Chloroethyl Vinyl ether

Concen: 87.867 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX045032.D

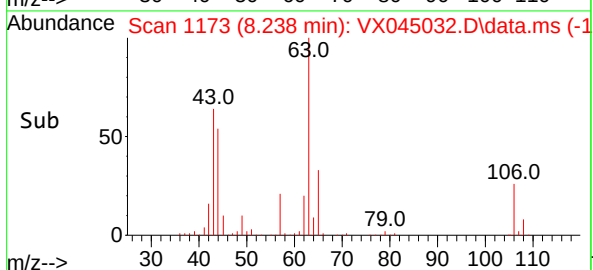
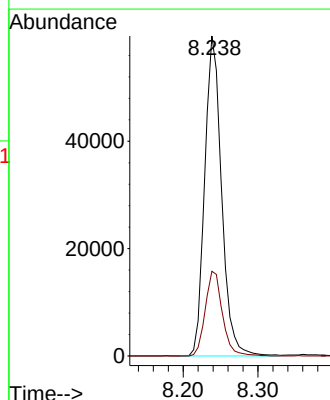
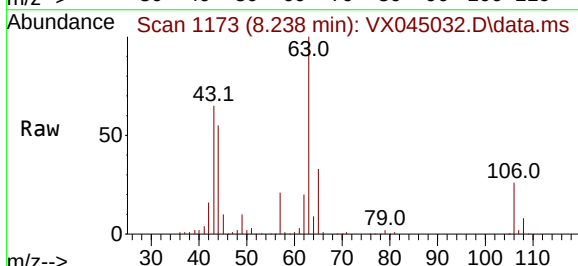
Acq: 25 Feb 2025 12:30

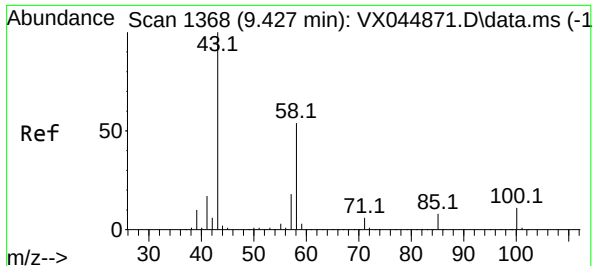
Tgt Ion: 63 Resp: 93678

Ion Ratio Lower Upper

63 100

106 26.8 21.3 31.9





#59

2-Hexanone

Concen: 120.511 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

Tgt Ion: 43 Resp: 17830

Ion Ratio Lower Upper

43 100

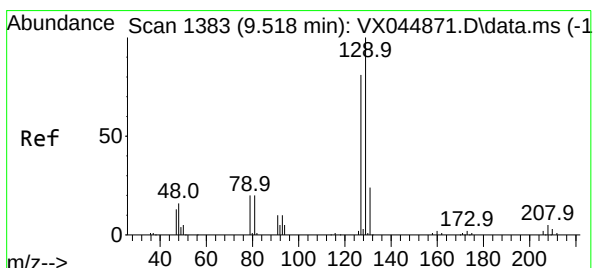
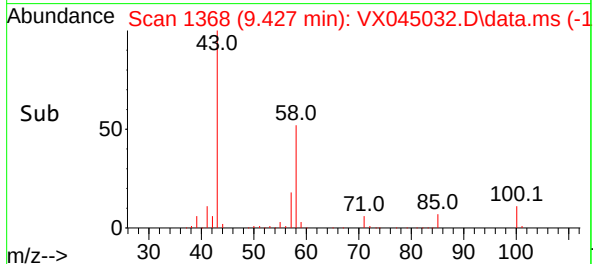
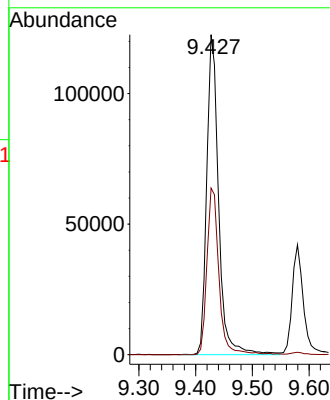
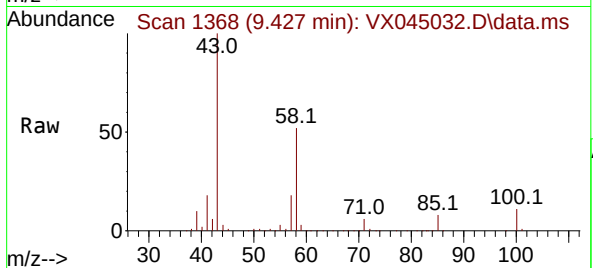
58 52.8 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#60

Dibromochloromethane

Concen: 20.212 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX045032.D

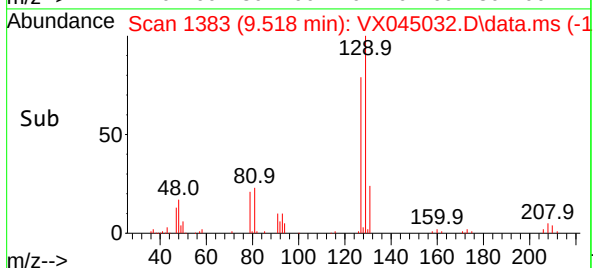
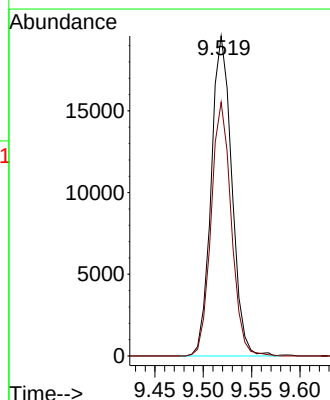
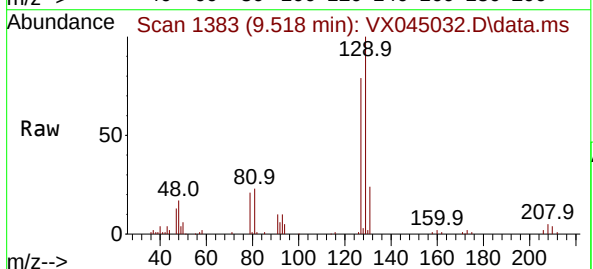
Acq: 25 Feb 2025 12:30

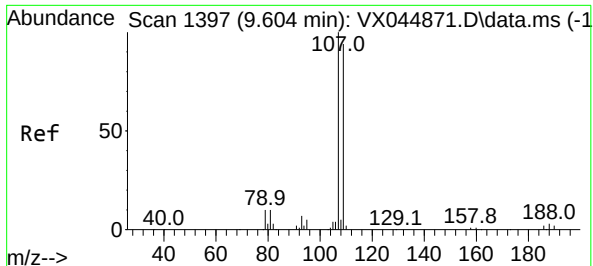
Tgt Ion:129 Resp: 29060

Ion Ratio Lower Upper

129 100

127 77.3 39.1 117.3





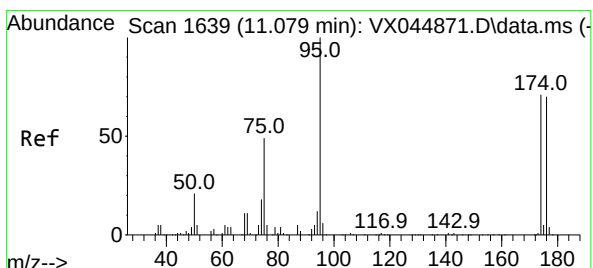
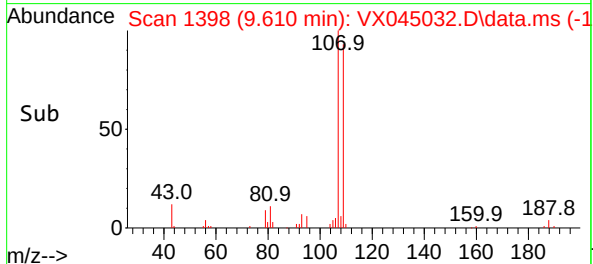
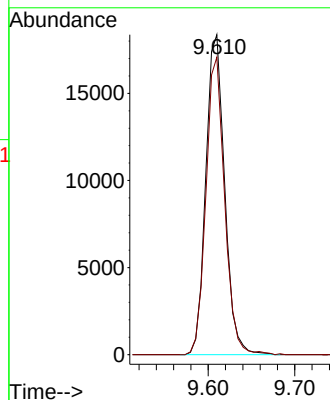
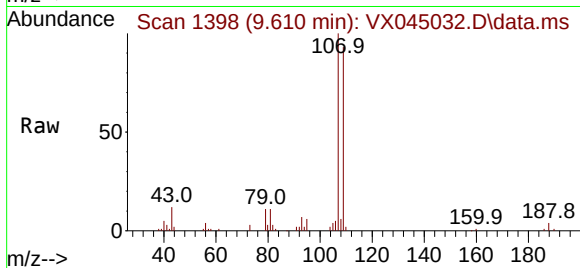
#61
1,2-Dibromoethane
Concen: 20.354 ug/l
RT: 9.610 min Scan# 1397
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 107 Resp: 27734
Ion Ratio Lower Upper
107 100
109 92.5 75.9 113.9

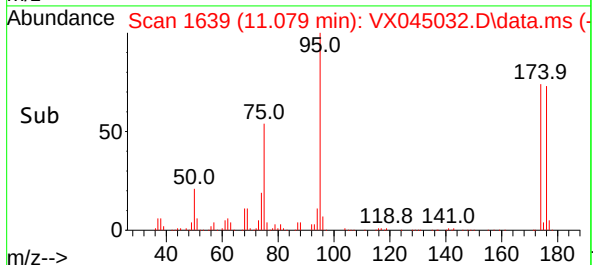
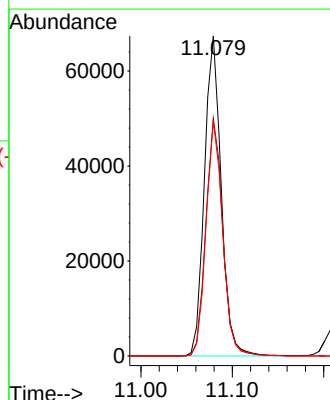
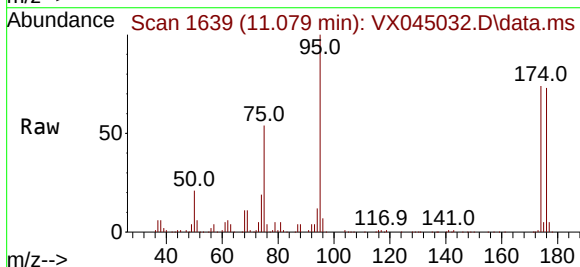
Manual Integrations
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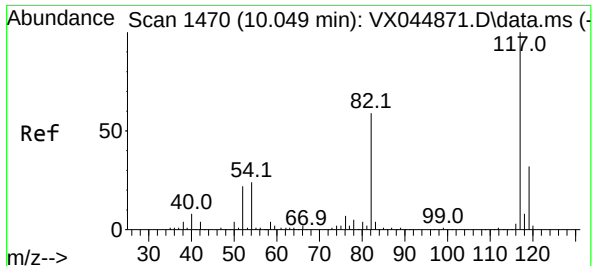
Reviewed By : John Carlone 02/26/2025
Supervised By : Mahesh Dadoda 02/26/2025



#62
4-Bromofluorobenzene
Concen: 51.563 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 95 Resp: 85680
Ion Ratio Lower Upper
95 100
174 75.4 0.0 142.6
176 72.8 0.0 141.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

Tgt Ion:117 Resp: 175398

Ion Ratio Lower Upper

117 100

82 58.2 47.5 71.3

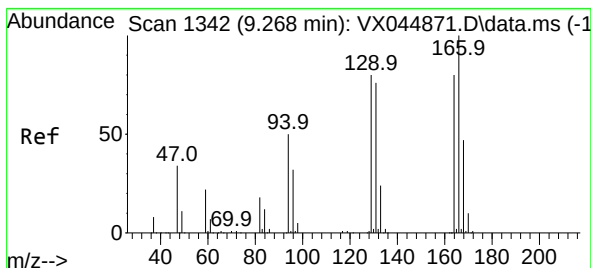
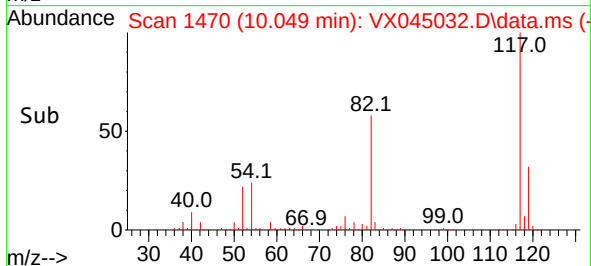
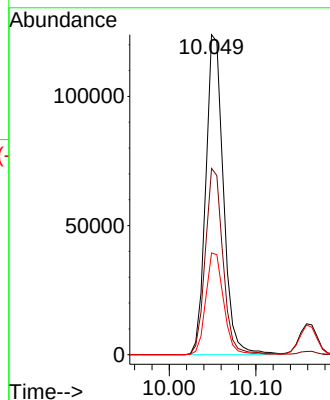
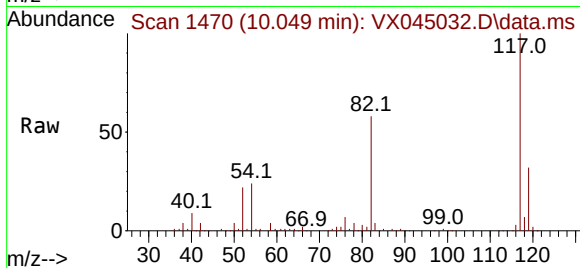
119 31.8 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#64

Tetrachloroethene

Concen: 19.227 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Tgt Ion:164 Resp: 21268

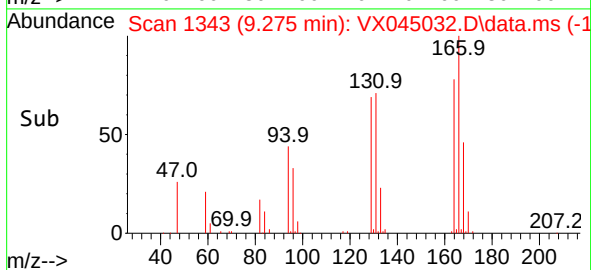
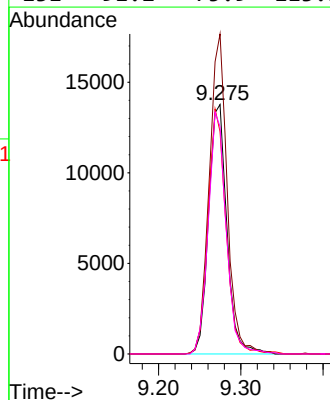
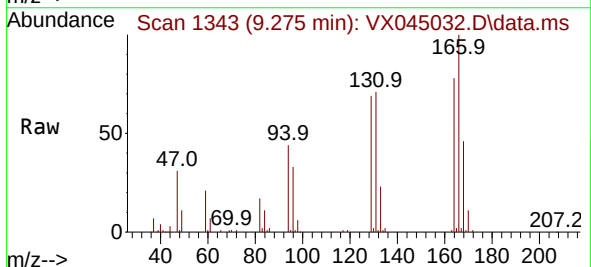
Ion Ratio Lower Upper

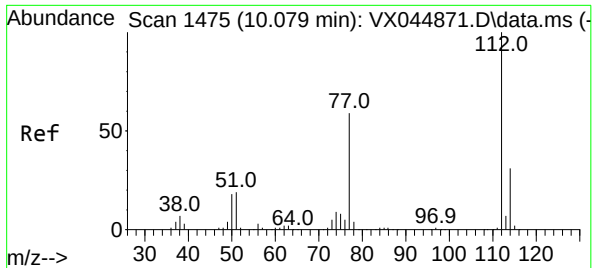
164 100

166 128.3 100.4 150.6

129 89.1 79.9 119.9

131 91.2 75.9 113.9





#65

Chlorobenzene

Concen: 19.510 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

Tgt Ion:112 Resp: 73498

Ion Ratio Lower Upper

112 100

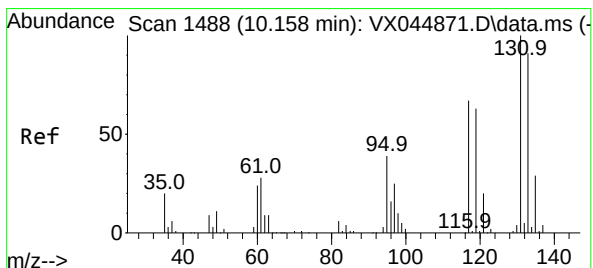
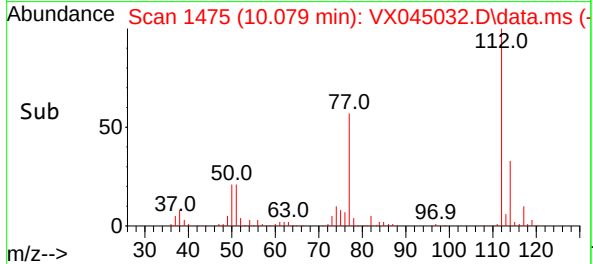
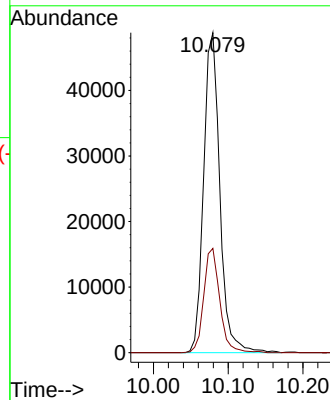
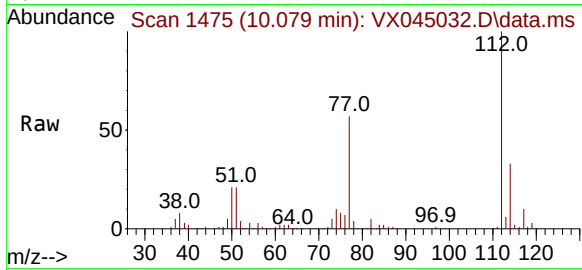
114 32.6 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 19.356 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

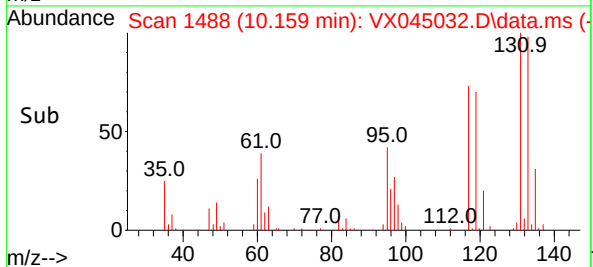
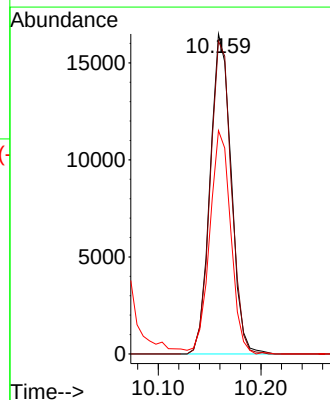
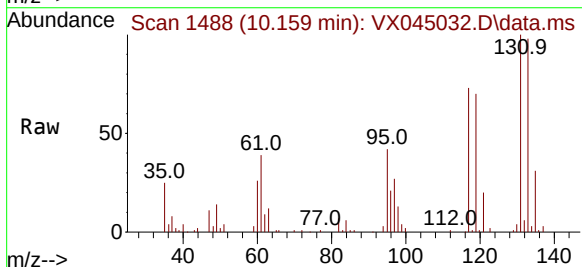
Tgt Ion:131 Resp: 23471

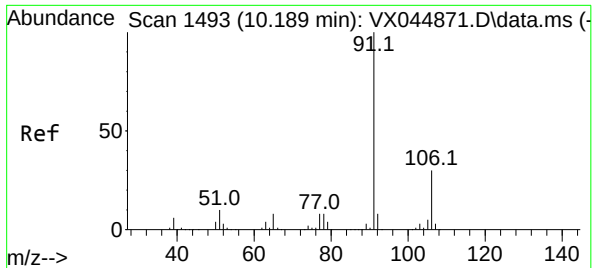
Ion Ratio Lower Upper

131 100

133 97.9 47.1 141.3

119 69.4 33.6 100.6





#67

Ethyl Benzene

Concen: 19.022 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

Tgt Ion: 91 Resp: 12646

Ion Ratio Lower Upper

91 100

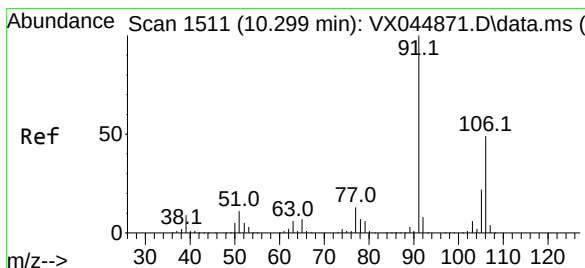
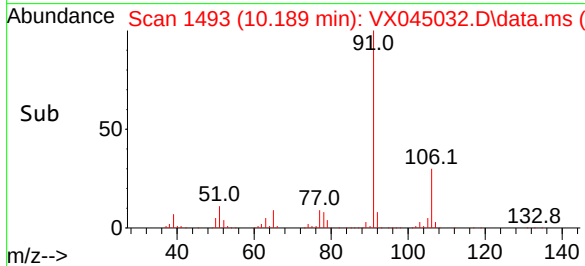
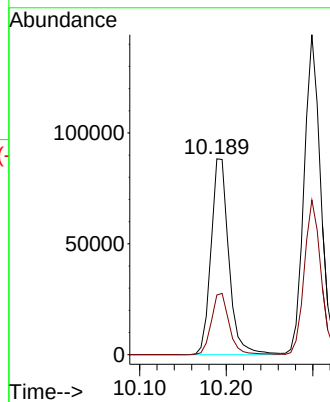
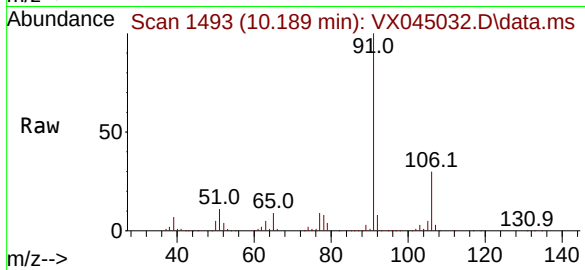
106 30.5 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#68

m/p-Xylenes

Concen: 38.825 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX045032.D

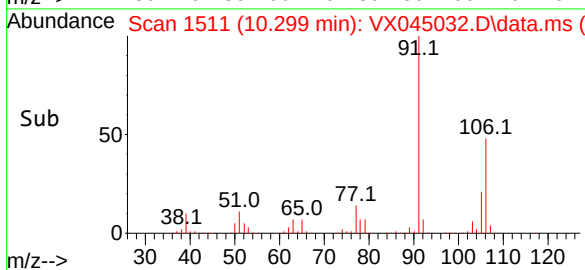
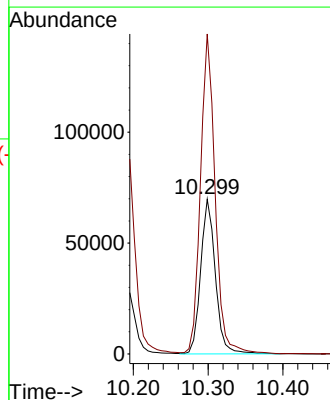
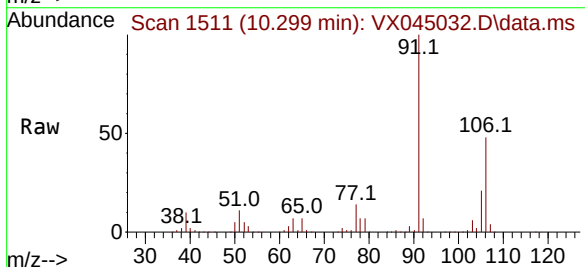
Acq: 25 Feb 2025 12:30

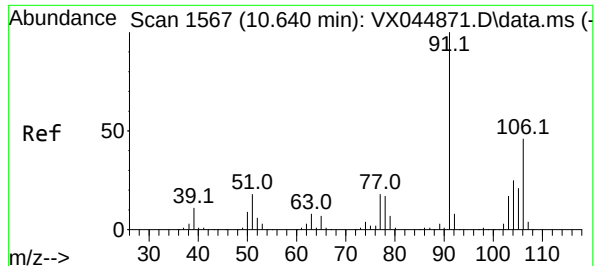
Tgt Ion:106 Resp: 95213

Ion Ratio Lower Upper

106 100

91 205.8 164.3 246.5





#69

o-Xylene

Concen: 19.470 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

Tgt Ion:106 Resp: 4791

Ion Ratio Lower Upper

106 100

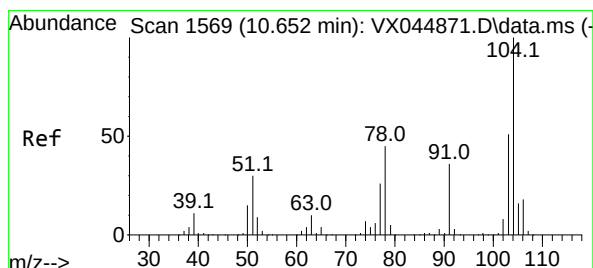
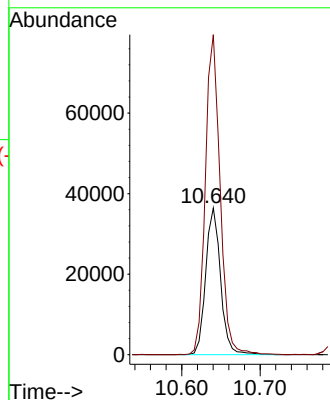
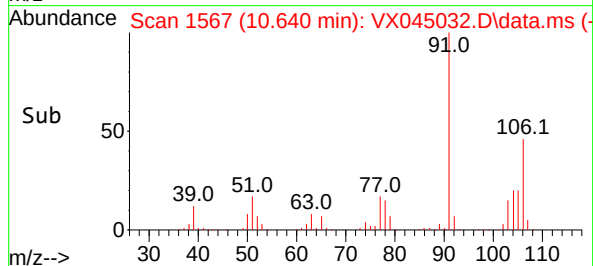
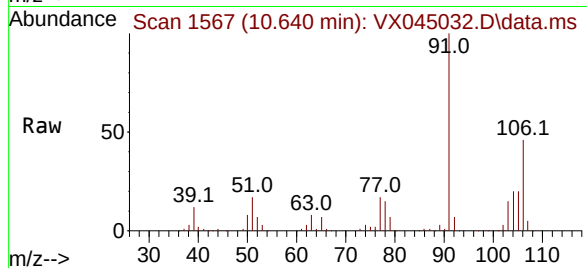
91 216.9 108.5 325.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#70

Styrene

Concen: 20.025 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

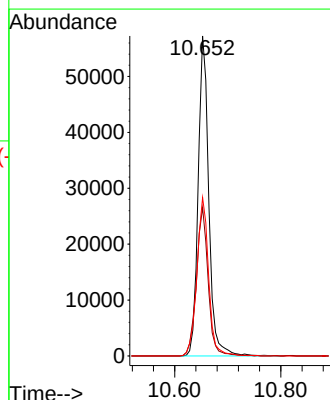
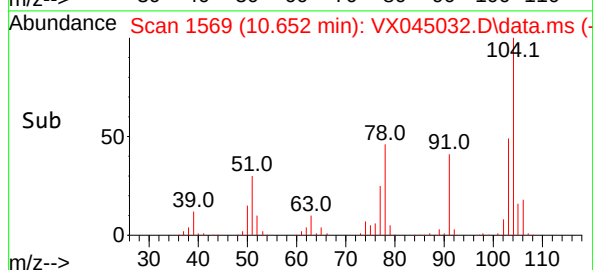
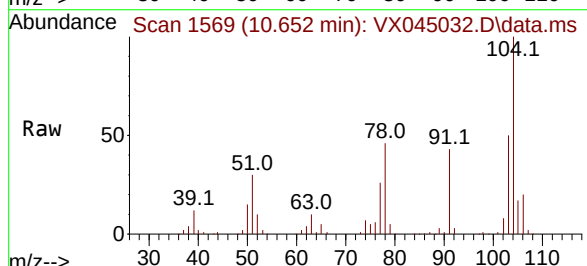
Tgt Ion:104 Resp: 79389

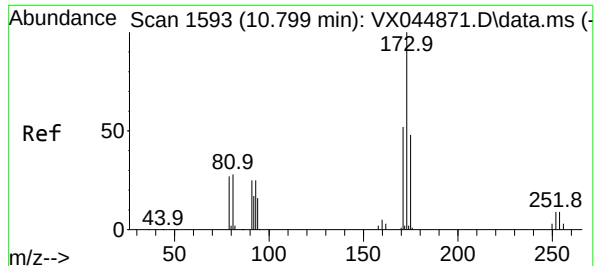
Ion Ratio Lower Upper

104 100

78 51.1 40.5 60.7

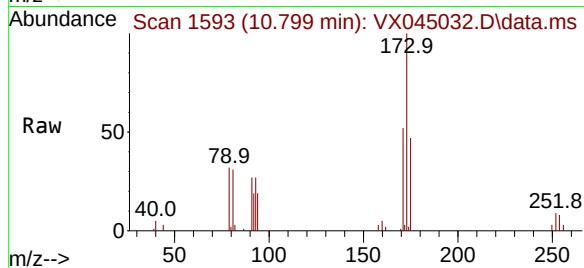
103 54.8 43.6 65.4





#71
Bromoform
Concen: 20.964 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

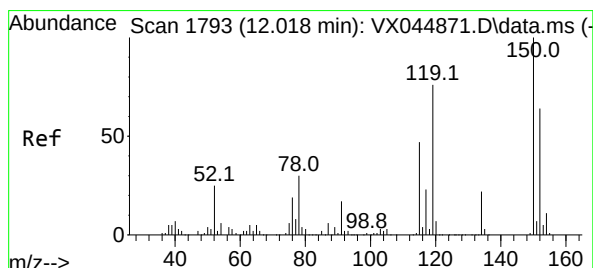
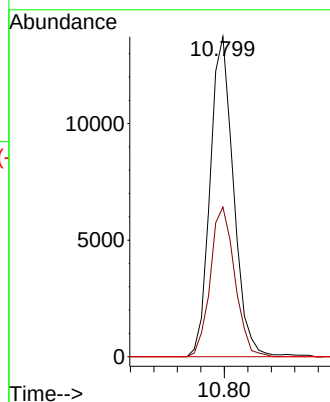
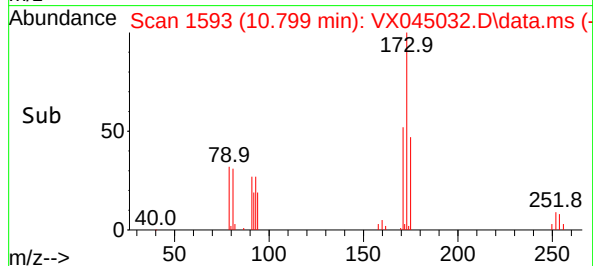
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01



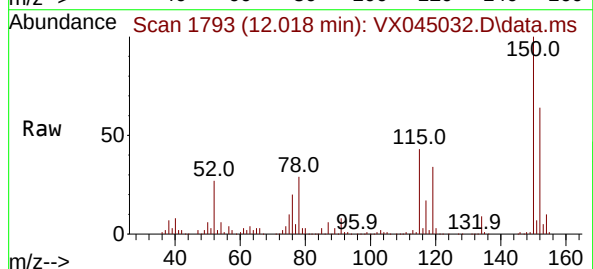
Tgt Ion:173 Resp: 1897
Ion Ratio Lower Upper
173 100
175 48.8 24.3 72.8
254 0.0 0.0 0.0

Manual Integrations
APPROVED

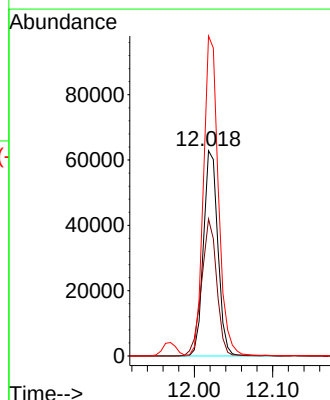
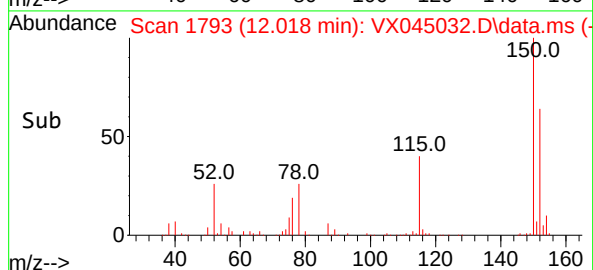
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

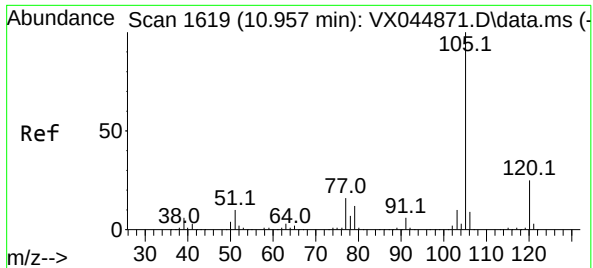


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30



Tgt Ion:152 Resp: 80174
Ion Ratio Lower Upper
152 100
115 70.2 43.4 130.1
150 161.2 0.0 350.4





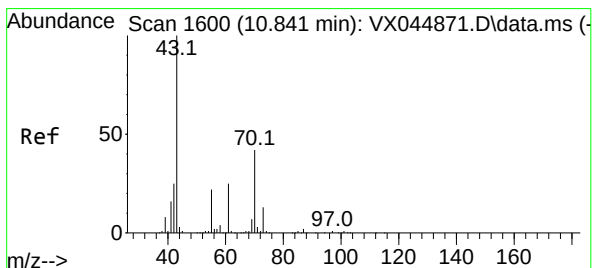
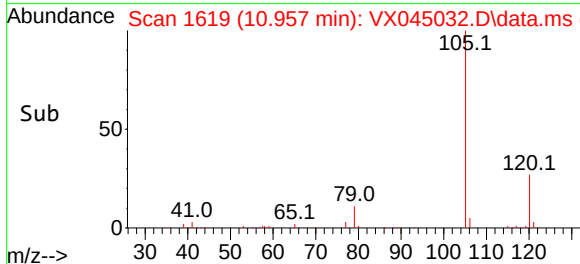
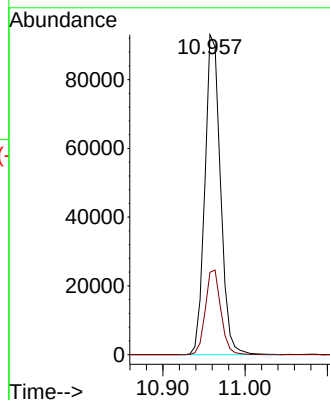
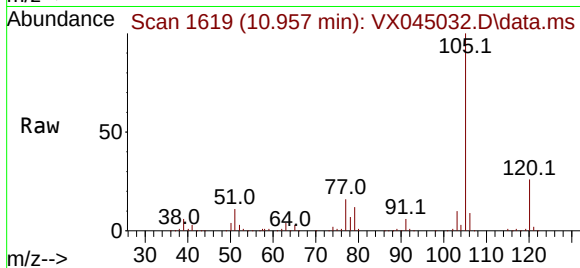
#73
Isopropylbenzene
Concen: 19.026 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion:105 Resp: 122820
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5

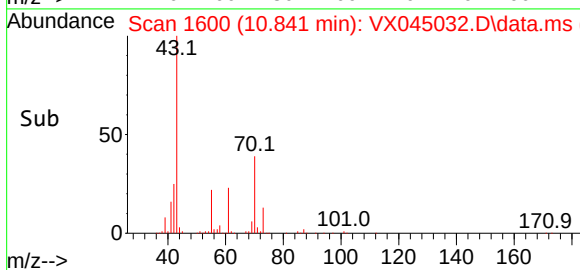
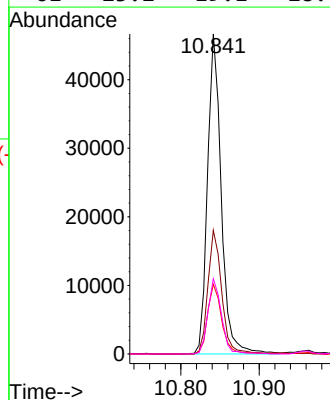
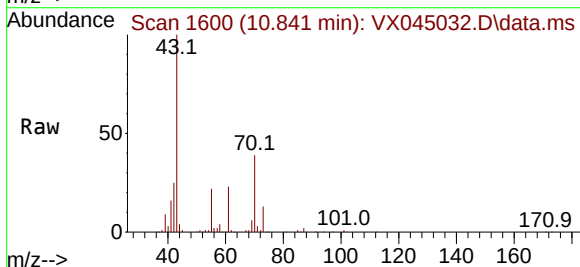
Manual Integrations
APPROVED

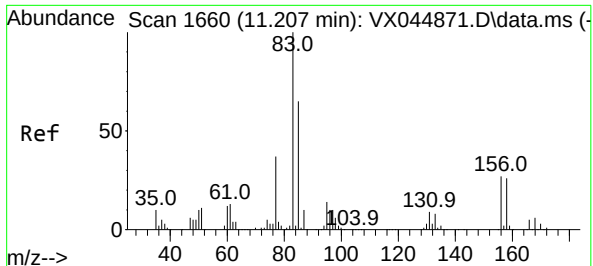
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#74
N-ethyl acetate
Concen: 19.423 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 43 Resp: 56740
Ion Ratio Lower Upper
43 100
70 38.8 33.7 50.5
55 22.6 18.6 27.8
61 23.2 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.709 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.006 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

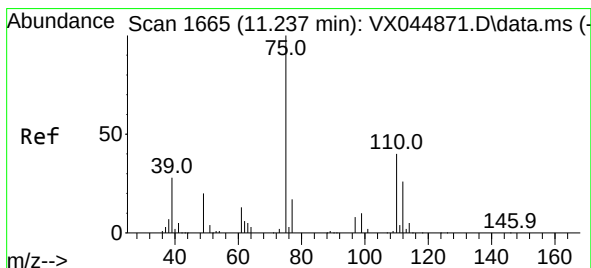
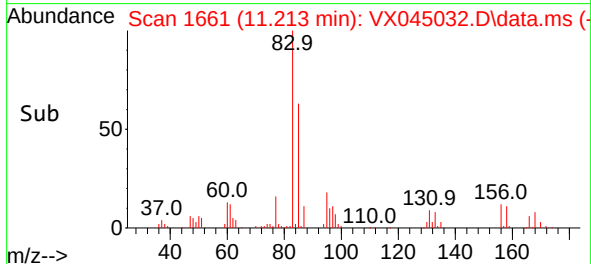
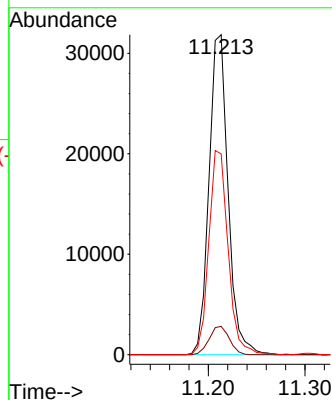
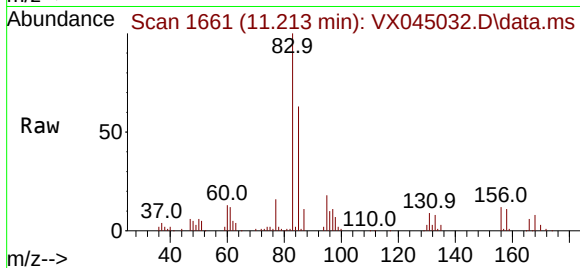
ClientSampleId :

VX0225WBS01

Tgt Ion:	83	Resp:	4372
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.5	13.5
85	64.5	32.3	96.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#76

1,2,3-Trichloropropane

Concen: 19.905 ug/l m

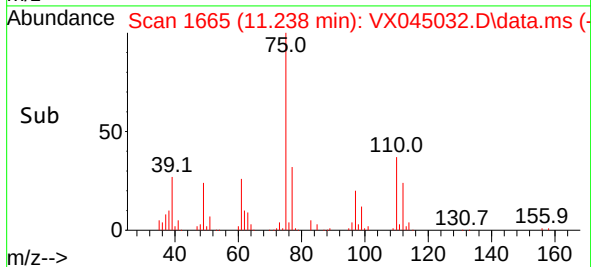
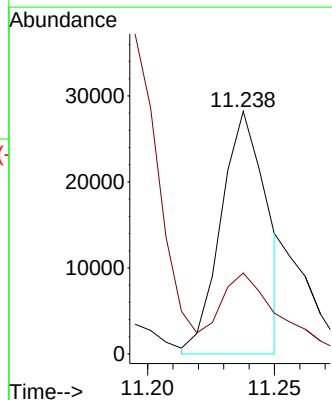
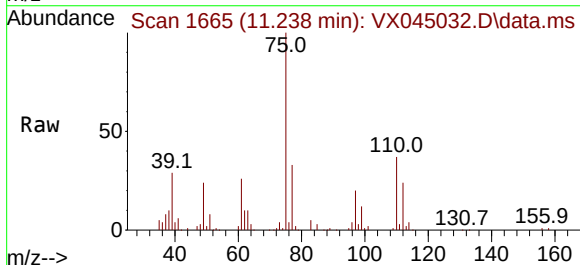
RT: 11.238 min Scan# 1665

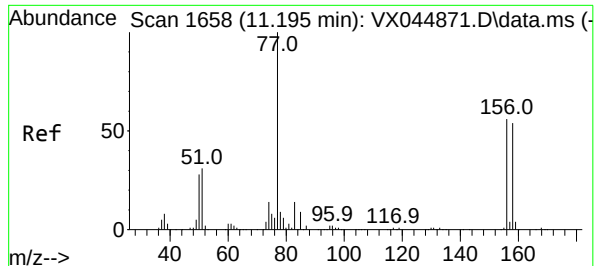
Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Tgt Ion:	75	Resp:	35383
Ion Ratio	Lower	Upper	
75	100		
77	42.9	21.9	65.7





#77

Bromobenzene

Concen: 19.860 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

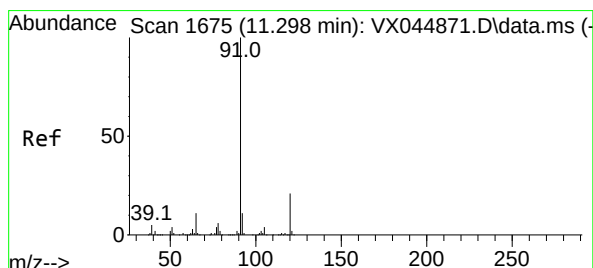
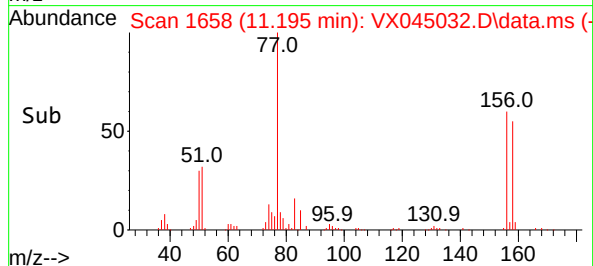
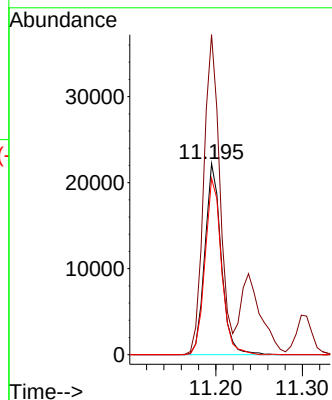
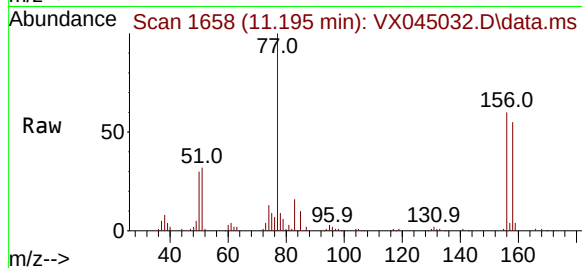
VX0225WBS01

Tgt Ion:	156	Resp:	2906
Ion Ratio	Lower	Upper	
156	100		
77	165.1	88.4	265.3
158	92.9	48.4	145.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#78

n-propylbenzene

Concen: 18.896 ug/l

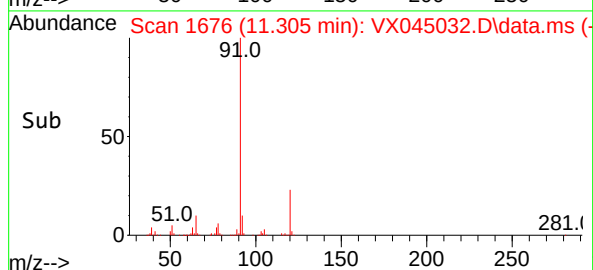
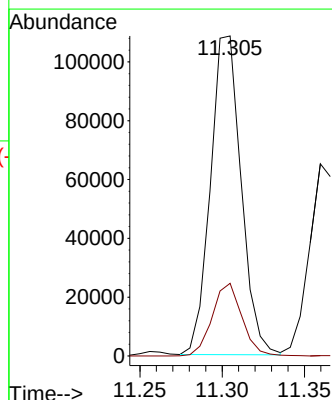
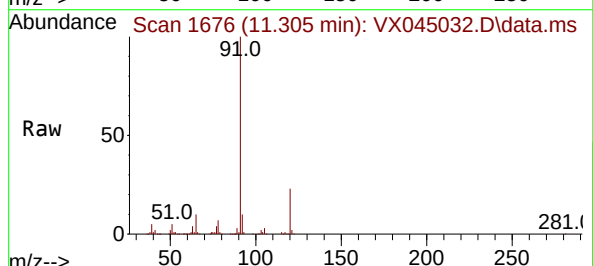
RT: 11.305 min Scan# 1676

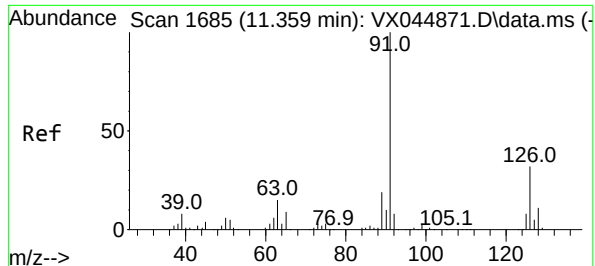
Delta R.T. 0.006 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Tgt Ion:	91	Resp:	140796
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.1	33.3





#79

2-Chlorotoluene

Concen: 18.638 ug/l

RT: 11.360 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

Tgt Ion: 91 Resp: 8535

Ion Ratio Lower Upper

91 100

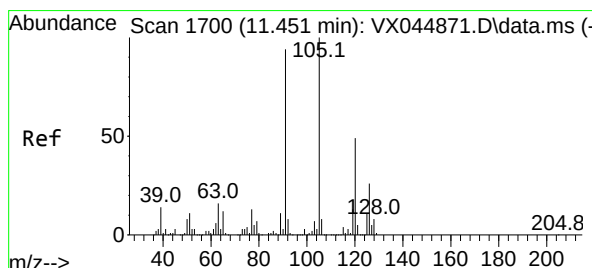
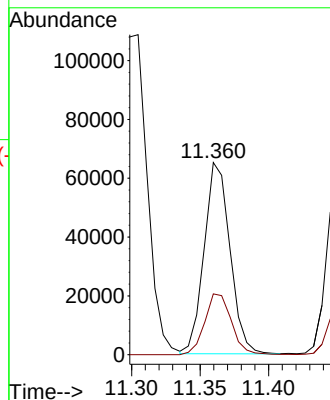
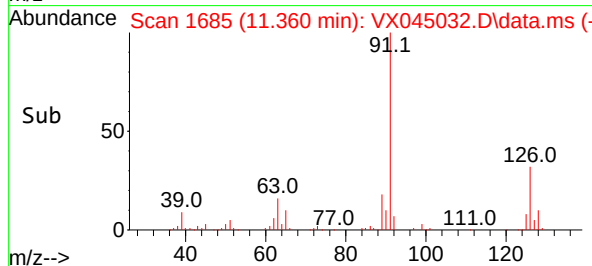
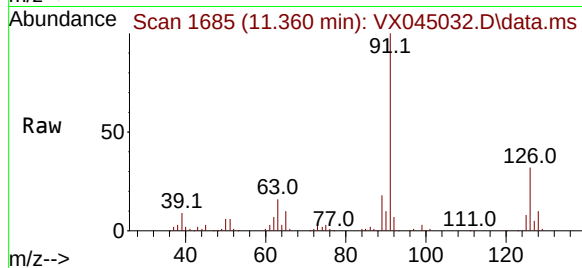
126 32.9 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#80

1,3,5-Trimethylbenzene

Concen: 19.413 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX045032.D

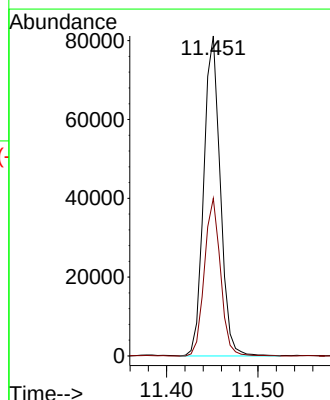
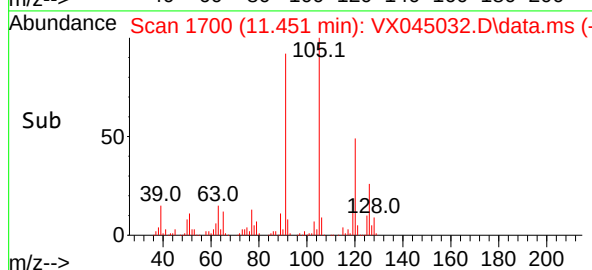
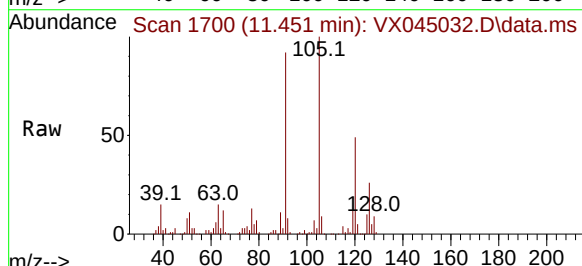
Acq: 25 Feb 2025 12:30

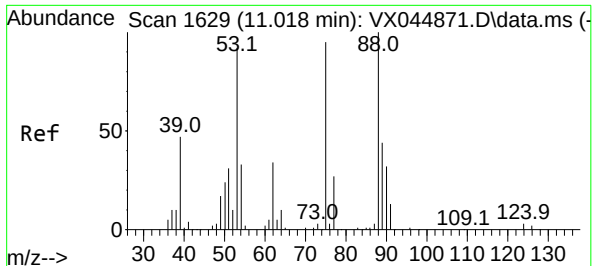
Tgt Ion:105 Resp: 101697

Ion Ratio Lower Upper

105 100

120 48.0 24.0 72.0





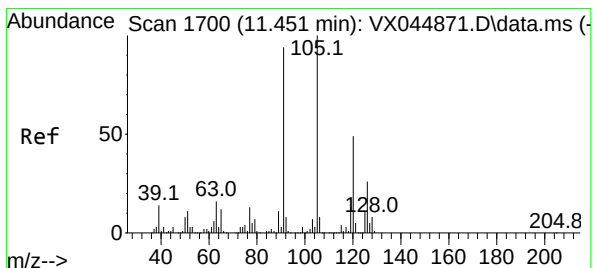
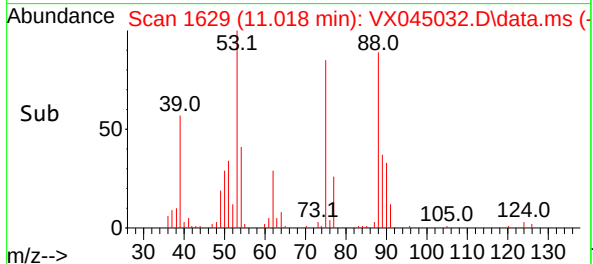
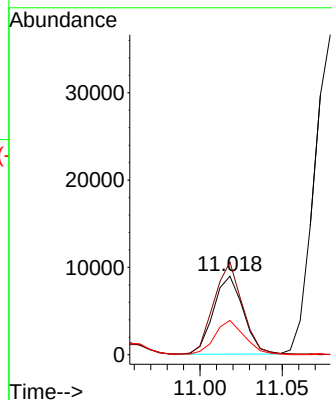
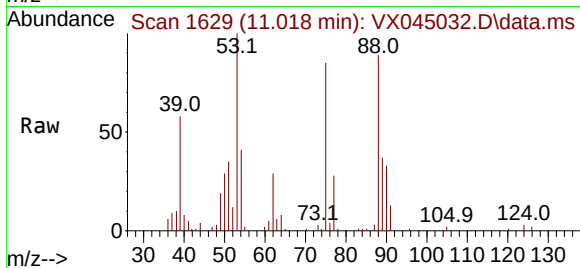
#81
trans-1,4-Dichloro-2-butene
Concen: 16.327 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion: 75 Resp: 1128
Ion Ratio Lower Upper
75 100
53 115.7 78.0 117.0
89 44.1 36.6 54.8

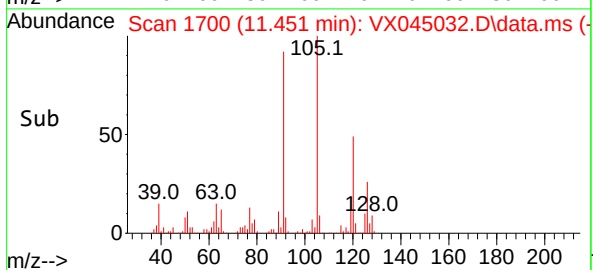
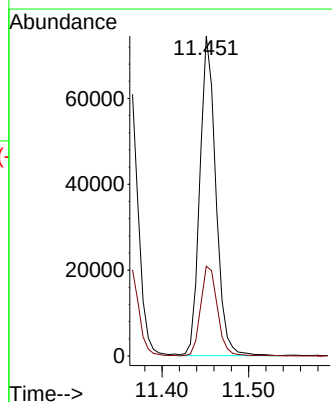
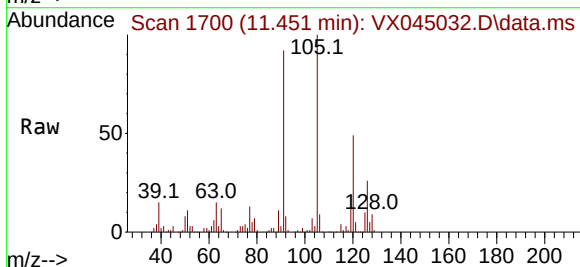
Manual Integrations
APPROVED

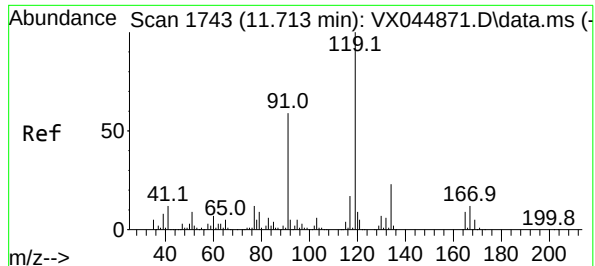
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#82
4-Chlorotoluene
Concen: 18.828 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 91 Resp: 95392
Ion Ratio Lower Upper
91 100
126 29.7 14.2 42.6





#83

tert-Butylbenzene

Concen: 19.525 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

Tgt Ion:119 Resp: 10347

Ion Ratio Lower Upper

119 100

91 59.5 29.1 87.4

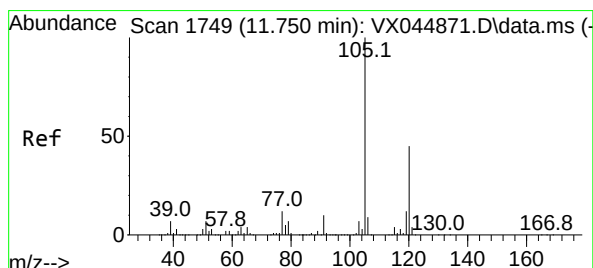
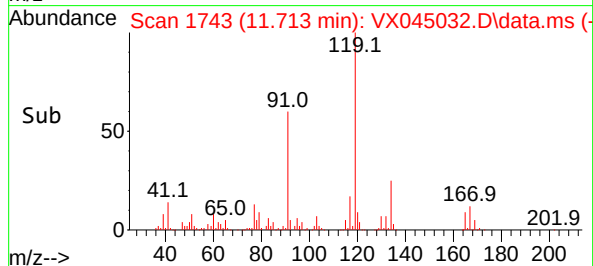
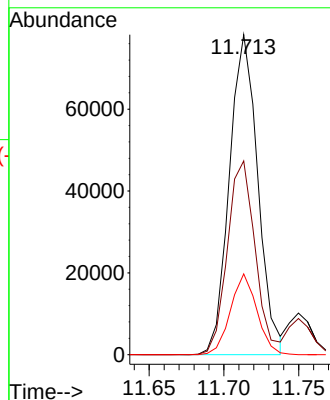
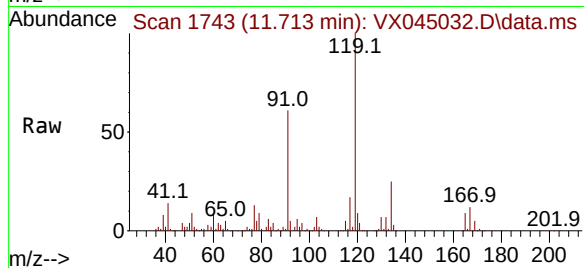
134 23.5 11.5 34.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#84

1,2,4-Trimethylbenzene

Concen: 19.564 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX045032.D

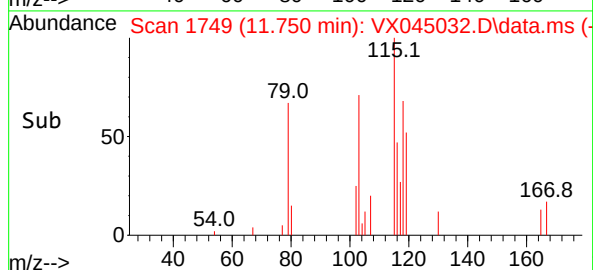
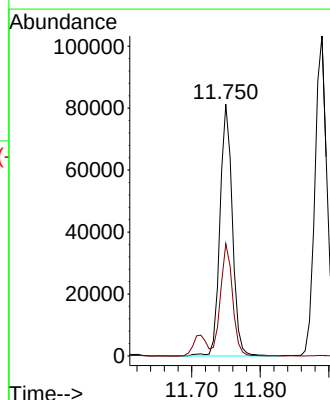
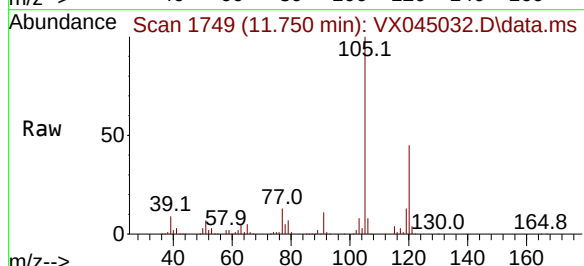
Acq: 25 Feb 2025 12:30

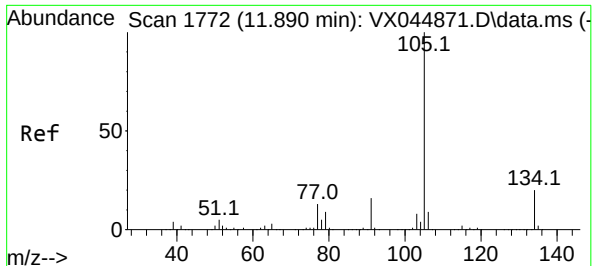
Tgt Ion:105 Resp: 101154

Ion Ratio Lower Upper

105 100

120 43.5 22.4 67.0





#85

sec-Butylbenzene

Concen: 19.167 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

Tgt Ion:105 Resp: 12578

Ion Ratio Lower Upper

105 100

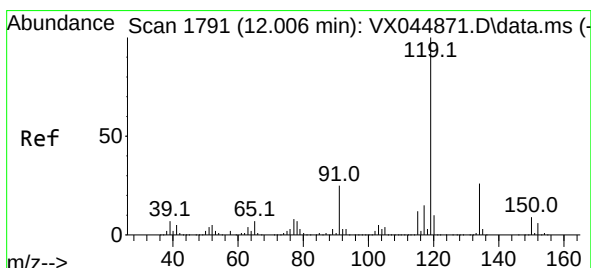
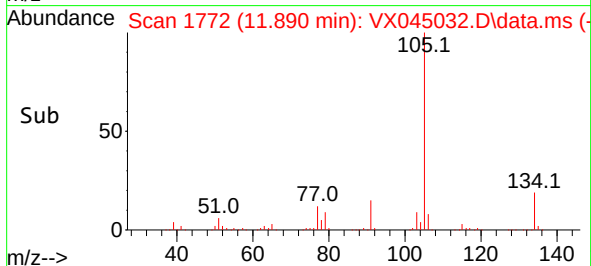
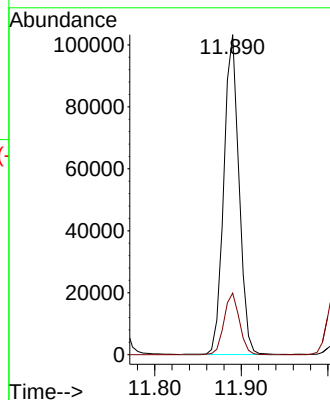
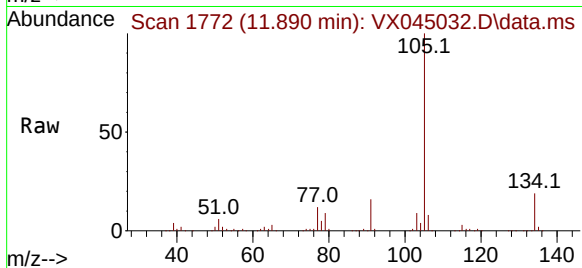
134 19.5 9.8 29.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#86

p-Isopropyltoluene

Concen: 19.116 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

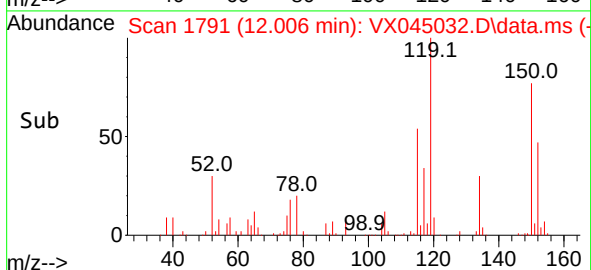
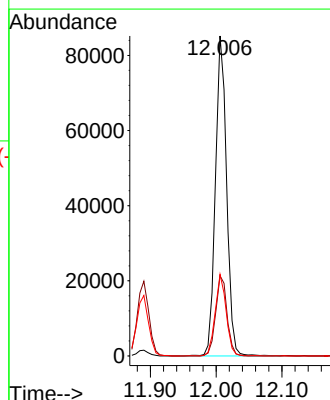
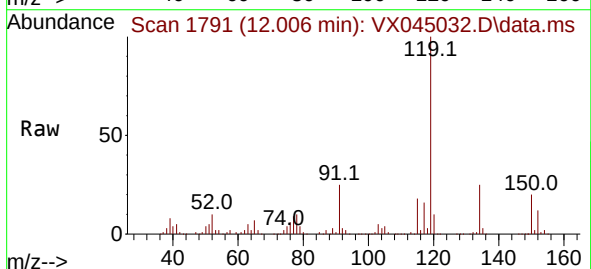
Tgt Ion:119 Resp: 100881

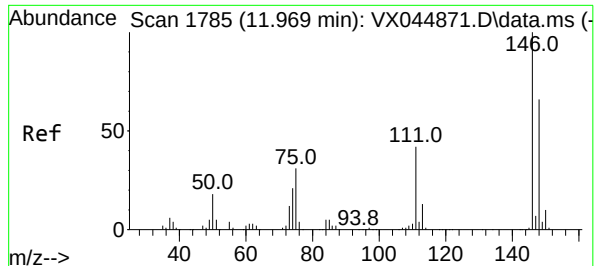
Ion Ratio Lower Upper

119 100

134 25.5 13.0 38.9

91 25.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 18.633 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

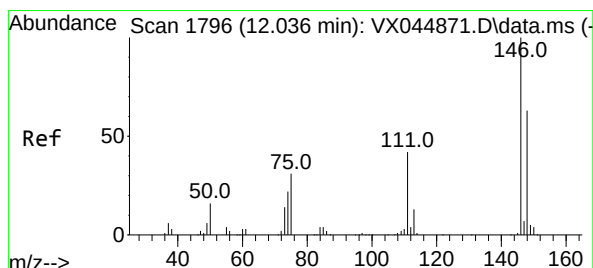
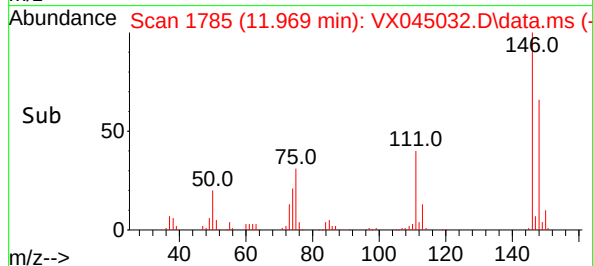
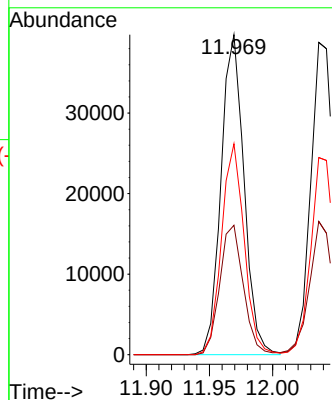
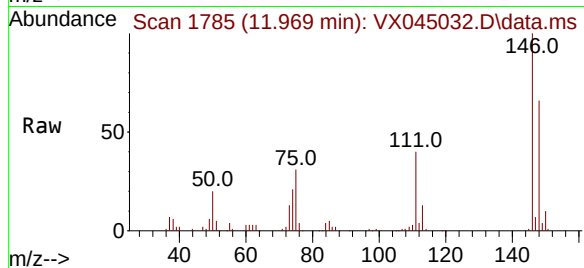
Tgt Ion:146	Resp:	50150
Ion Ratio	Lower	Upper
146	100	
111	41.5	21.2 63.6
148	64.9	32.5 97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#88

1,4-Dichlorobenzene

Concen: 18.636 ug/l

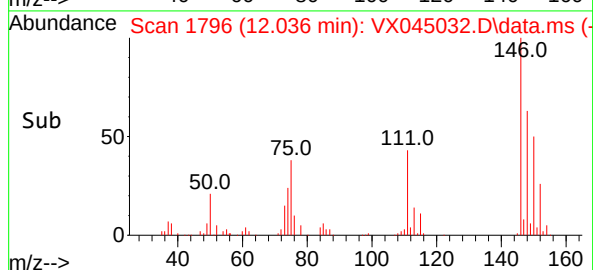
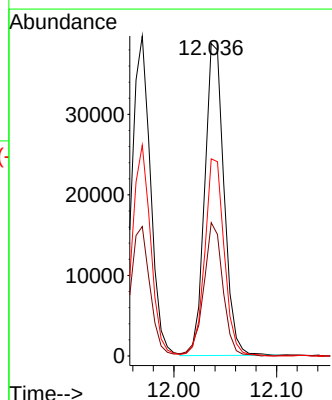
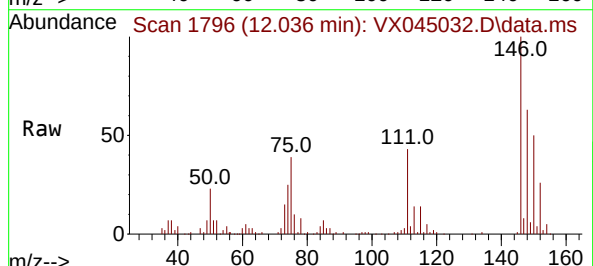
RT: 12.036 min Scan# 1796

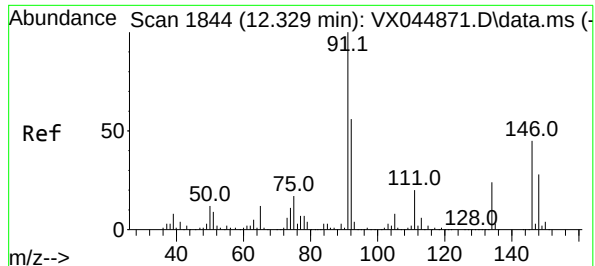
Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Tgt Ion:146	Resp:	50714
Ion Ratio	Lower	Upper
146	100	
111	42.6	20.4 61.3
148	63.9	32.0 96.0





#89

n-Butylbenzene

Concen: 18.666 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

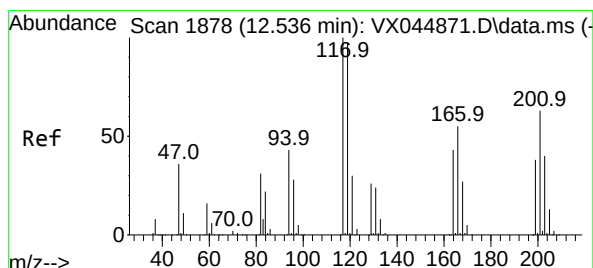
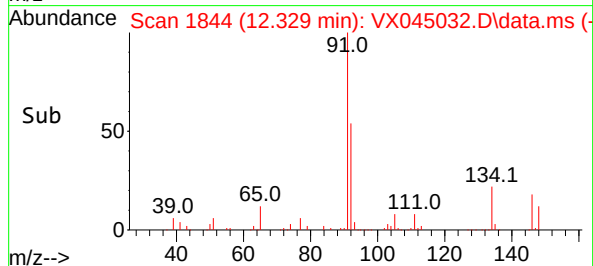
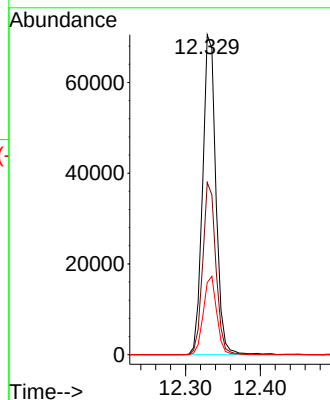
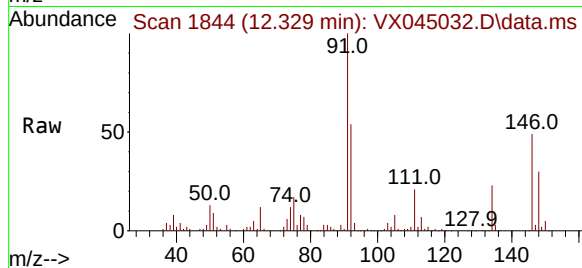
VX0225WBS01

Tgt Ion: 91	Resp: 87150
Ion Ratio	Lower Upper
91	100
92	53.5 27.2 81.6
134	24.5 12.1 36.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#90

Hexachloroethane

Concen: 18.288 ug/l

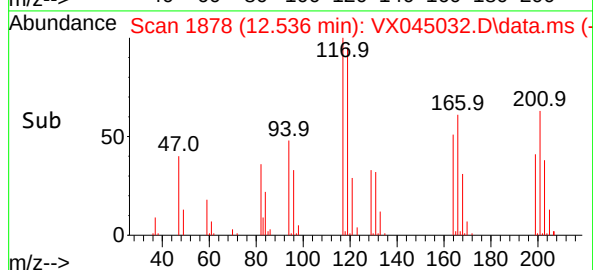
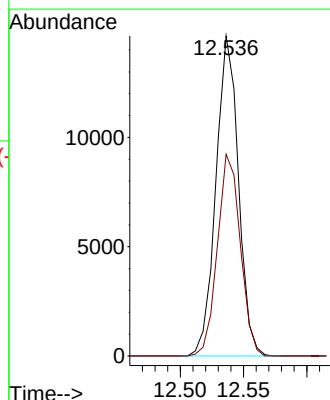
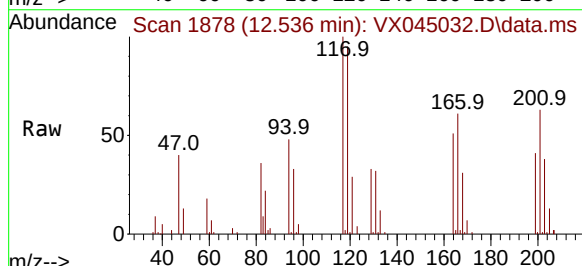
RT: 12.536 min Scan# 1878

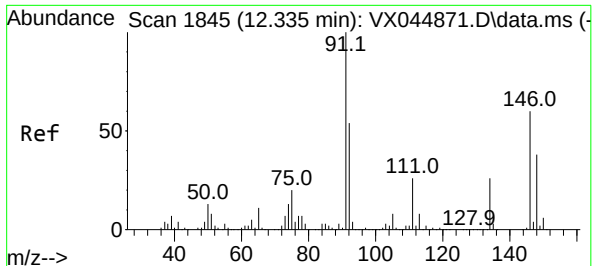
Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Tgt Ion: 117	Resp: 18072
Ion Ratio	Lower Upper
117	100
201	64.1 32.5 97.5





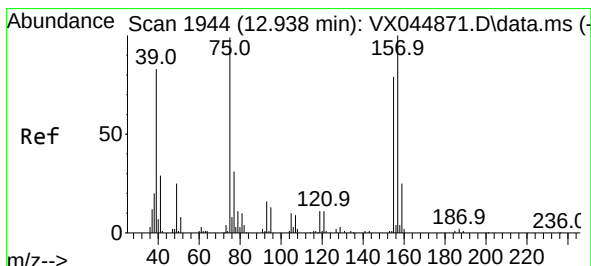
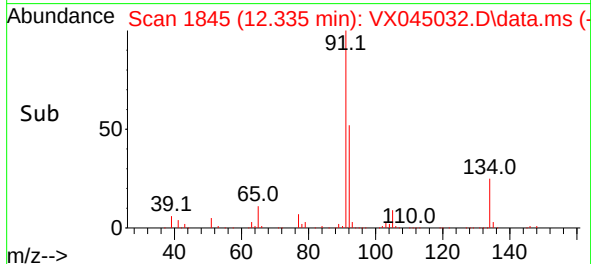
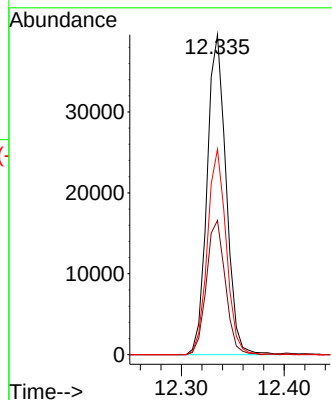
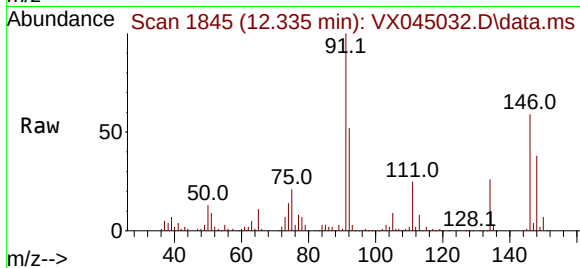
#91
1,2-Dichlorobenzene
Concen: 19.233 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion:146 Resp: 50875
Ion Ratio Lower Upper
146 100
111 42.0 21.8 65.4
148 63.6 31.9 95.9

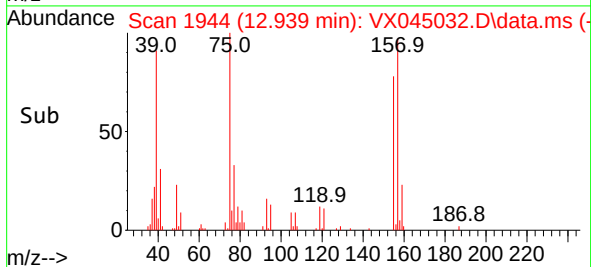
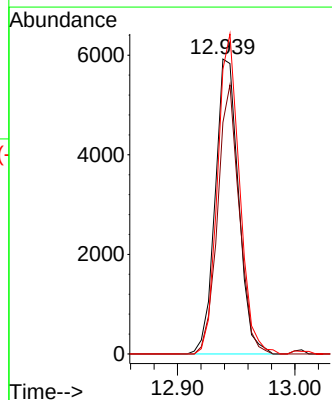
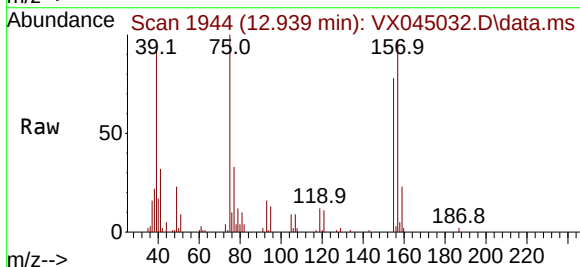
Manual Integrations
APPROVED

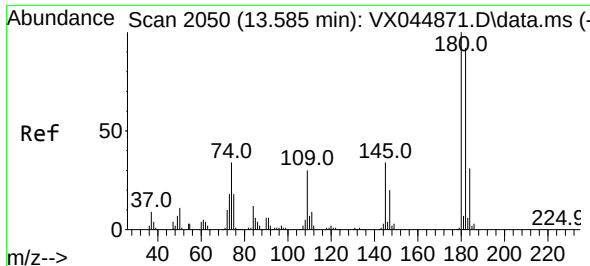
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.172 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 75 Resp: 8167
Ion Ratio Lower Upper
75 100
155 84.6 40.5 121.4
157 102.6 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 17.779 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

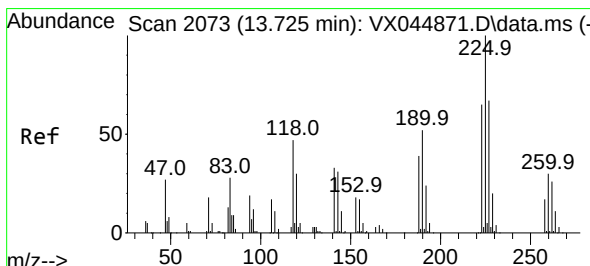
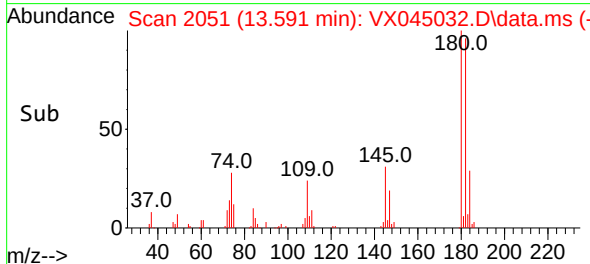
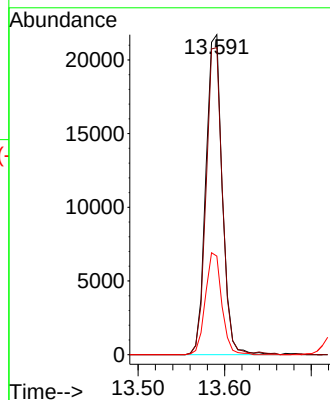
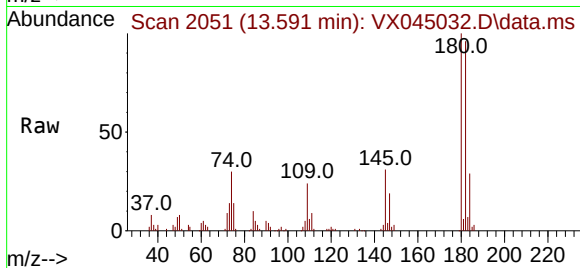
VX0225WBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.6	142.8
145	32.0	16.4	49.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#94

Hexachlorobutadiene

Concen: 18.900 ug/l

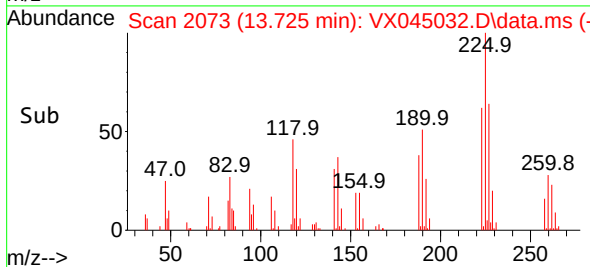
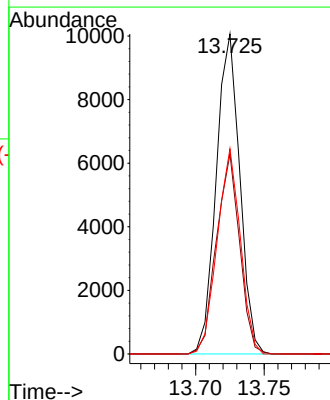
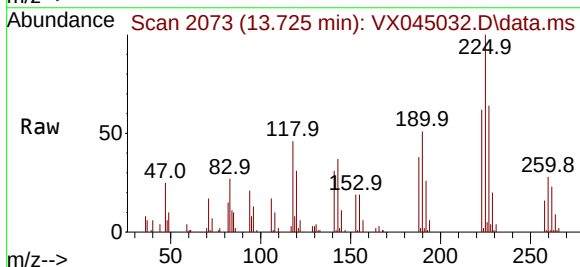
RT: 13.725 min Scan# 2073

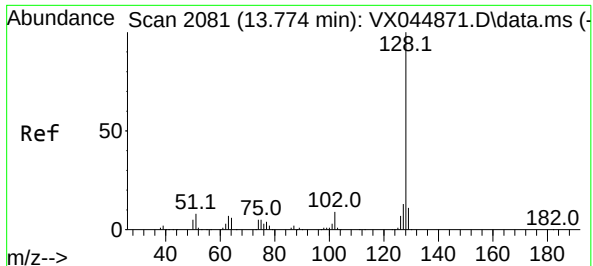
Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.4	94.2
227	63.0	32.3	96.8





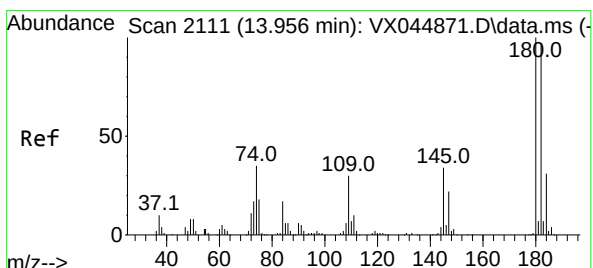
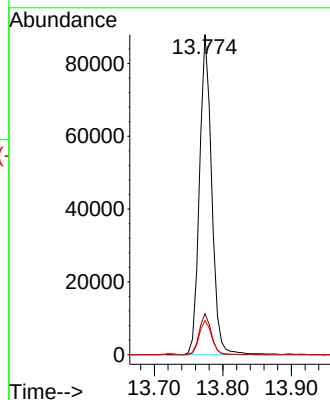
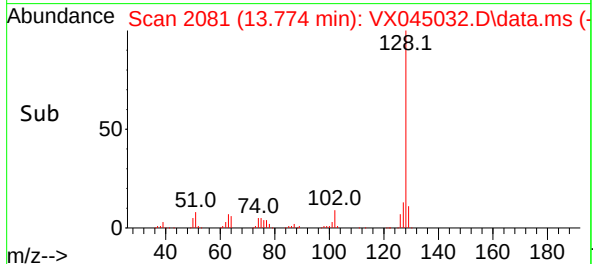
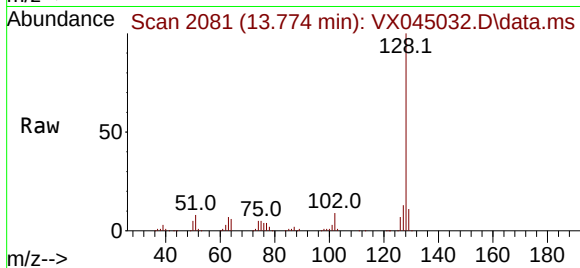
#95
Naphthalene
Concen: 18.898 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion:128 Resp: 10934
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.9 8.9 13.3

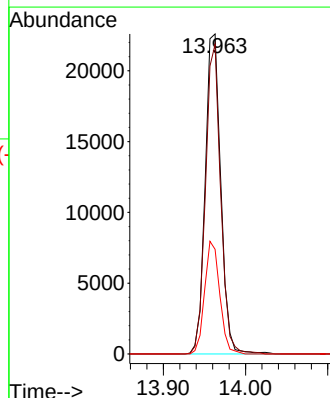
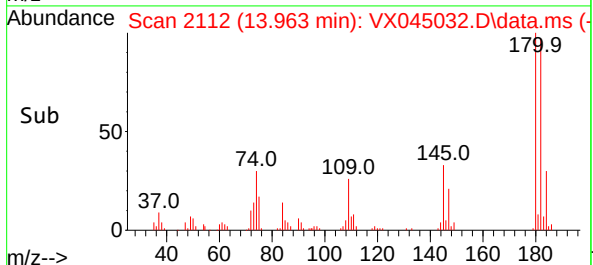
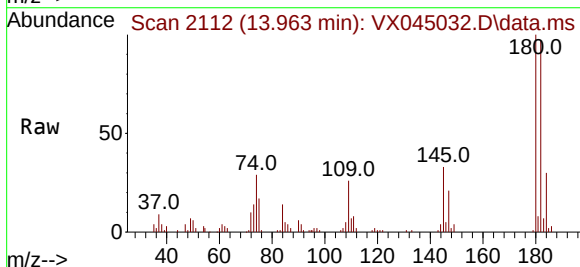
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.454 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:180 Resp: 29764
Ion Ratio Lower Upper
180 100
182 93.9 47.9 143.6
145 34.2 17.1 51.3



Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	CTO WE13		Date Received:	
Client Sample ID:	VX0228WBS01		SDG No.:	Q1423
Lab Sample ID:	VX0228WBS01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045080.D	1		02/28/25 11:46	VX022825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	18.6		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.4		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	17.7		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	16.6		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.6		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.9		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.1		0.26	0.75	1.00	ug/L
67-64-1	Acetone	83.3		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	17.7		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.9		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	17.9		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.6		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.9		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	91.6		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.5		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.2		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	18.1		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.2		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	20.8		0.19	0.50	1.00	ug/L
71-43-2	Benzene	19.0		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.6		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.6		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.6		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	18.6		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	95.6		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.6		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.5		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.1		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	97.0		1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX0228WBS01	SDG No.:	Q1423
Lab Sample ID:	VX0228WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045080.D	1		02/28/25 11:46	VX022825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	18.5		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.0		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.6		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.4		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.1		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	19.7		0.14	0.50	1.00	ug/L
100-42-5	Styrene	20.2		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	18.2		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.4		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.3		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.5		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.4		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.4		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.9		81 - 118		94%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		80 - 119		96%	SPK: 50
2037-26-5	Toluene-d8	50.1		89 - 112		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	108000	5.544				
540-36-3	1,4-Difluorobenzene	193000	6.757				
3114-55-4	Chlorobenzene-d5	169000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	76500	12.018				

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\VX022825\
 Data File : VX045080.D
 Acq On : 28 Feb 2025 11:46
 Operator : JC/MD
 Sample : VX0228WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBS01

Quant Time: Feb 28 14:28:21 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 03/03/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	108329	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	192724	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	169474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76472	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	80881	46.938	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.880%
35) Dibromofluoromethane	5.379	113	62124	48.207	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.420%
50) Toluene-d8	8.647	98	233874	50.059	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.120%
62) 4-Bromofluorobenzene	11.079	95	78964	51.005	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.020%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	25993	19.062	ug/l	98
3) Chloromethane	1.301	50	31053	18.608	ug/l	96
4) Vinyl Chloride	1.374	62	30398	18.363	ug/l	96
5) Bromomethane	1.593	94	11496	17.665	ug/l	98
6) Chloroethane	1.660	64	12662	16.582	ug/l	99
7) Trichlorofluoromethane	1.868	101	40845	18.638	ug/l	100
8) Diethyl Ether	2.136	74	14376	16.771	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.319	101	25054	19.899	ug/l	99
10) Methyl Iodide	2.441	142	27491	17.472	ug/l	97
11) Tert butyl alcohol	2.995	59	26171	80.184	ug/l	99
12) 1,1-Dichloroethene	2.306	96	24097	18.103	ug/l	97
13) Acrolein	2.239	56	42643	113.023	ug/l	98
14) Allyl chloride	2.654	41	44238	18.670	ug/l	99
15) Acrylonitrile	3.069	53	78022	89.193	ug/l	98
16) Acetone	2.386	43	66572	83.269	ug/l	100
17) Carbon Disulfide	2.502	76	62721	17.691	ug/l	97
18) Methyl Acetate	2.709	43	33660	17.501	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	79756	17.859	ug/l	98
20) Methylene Chloride	2.782	84	28274	17.853	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	24403	18.556	ug/l	95
22) Diisopropyl ether	3.764	45	89611	18.596	ug/l	94
23) Vinyl Acetate	3.721	43	377536	93.881	ug/l	99
24) 1,1-Dichloroethane	3.599	63	48272	17.874	ug/l	99
25) 2-Butanone	4.562	43	110248	91.613	ug/l	100
26) 2,2-Dichloropropane	4.471	77	33053	26.092	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	29539	18.196	ug/l	96
28) Bromochloromethane	4.891	49	22404	17.404	ug/l	98
29) Tetrahydrofuran	5.007	42	71331	88.264	ug/l	99
30) Chloroform	5.086	83	48521	18.082	ug/l	97
31) Cyclohexane	5.458	56	45303	19.324	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	39336	18.150	ug/l	99
36) 1,1-Dichloropropene	5.684	75	33230	18.803	ug/l	99
37) Ethyl Acetate	4.715	43	40562	17.811	ug/l	98
38) Carbon Tetrachloride	5.666	117	33280	18.548	ug/l	96
39) Methylcyclohexane	7.373	83	44081	20.816	ug/l	97
40) Benzene	6.031	78	106228	19.035	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045080.D
 Acq On : 28 Feb 2025 11:46
 Operator : JC/MD
 Sample : VX0228WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBS01

Quant Time: Feb 28 14:28:21 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 03/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	22360	18.159	ug/l	97
42) 1,2-Dichloroethane	6.086	62	37297	18.559	ug/l	100
43) Isopropyl Acetate	6.342	43	64239	19.076	ug/l	99
44) Trichloroethene	7.123	130	24390	18.612	ug/l	93
45) 1,2-Dichloropropane	7.428	63	26709	18.614	ug/l	96
46) Dibromomethane	7.580	93	19218	18.949	ug/l	99
47) Bromodichloromethane	7.818	83	37048	18.624	ug/l	99
48) Methyl methacrylate	7.690	41	30953	18.322	ug/l	97
49) 1,4-Dioxane	7.665	88	13158	369.225	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	216153	95.598	ug/l	100
52) Toluene	8.714	92	64270	19.628	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	32395	19.479	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	38727	19.970	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	25711	19.074	ug/l	98
56) Ethyl methacrylate	9.116	69	38638	18.857	ug/l	99
57) 1,3-Dichloropropane	9.305	76	44044	18.881	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	99991	100.039	ug/l	99
59) 2-Hexanone	9.433	43	158894	96.991	ug/l	100
60) Dibromochloromethane	9.519	129	26039	18.475	ug/l	96
61) 1,2-Dibromoethane	9.610	107	25976	19.303	ug/l	97
64) Tetrachloroethene	9.269	164	20636	19.012	ug/l	98
65) Chlorobenzene	10.079	112	70182	19.571	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.159	131	21951	18.381	ug/l	98
67) Ethyl Benzene	10.189	91	121335	19.418	ug/l	100
68) m/p-Xylenes	10.299	106	91808	40.136	ug/l	99
69) o-Xylene	10.640	106	45354	19.659	ug/l	98
70) Styrene	10.653	104	75515	20.230	ug/l	98
71) Bromoform	10.799	173	16386	18.196	ug/l #	99
73) Isopropylbenzene	10.957	105	115731	19.389	ug/l	100
74) N-amyl acetate	10.842	43	53161	18.981	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	40107	18.311	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	31765m	17.847	ug/l	
77) Bromobenzene	11.195	156	26840	19.058	ug/l	99
78) n-propylbenzene	11.305	91	135011	20.023	ug/l	100
79) 2-Chlorotoluene	11.360	91	81025	18.869	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	96986	20.095	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	9262	17.808	ug/l	90
82) 4-Chlorotoluene	11.451	91	90109	19.254	ug/l	98
83) tert-Butylbenzene	11.713	119	95461	19.251	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	95268	19.618	ug/l	99
85) sec-Butylbenzene	11.890	105	118388	19.930	ug/l	99
86) p-Isopropyltoluene	12.006	119	97752	20.363	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	48888	19.459	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	49240	19.373	ug/l	99
89) n-Butylbenzene	12.329	91	84515	20.441	ug/l	100
90) Hexachloroethane	12.536	117	16106	18.549	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	48893	19.400	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7561	17.719	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	28247	19.684	ug/l	99
94) Hexachlorobutadiene	13.725	225	11980	20.362	ug/l	99
95) Naphthalene	13.774	128	106065	19.237	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	30059	19.855	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045080.D
Acq On : 28 Feb 2025 11:46
Operator : JC/MD
Sample : VX0228WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 28 14:28:21 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

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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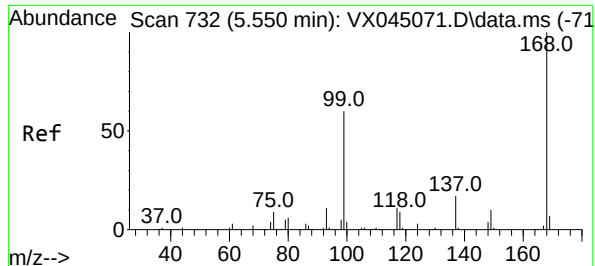
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Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Manual Integrations

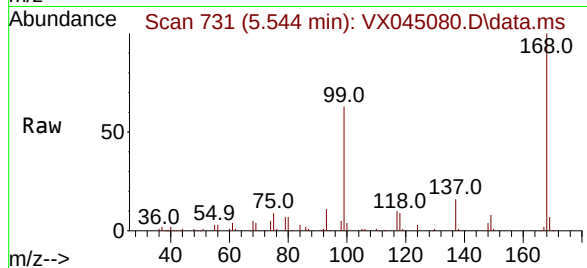
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- 5
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- 7
- 8
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- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

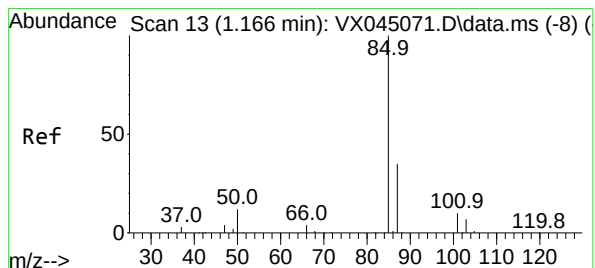
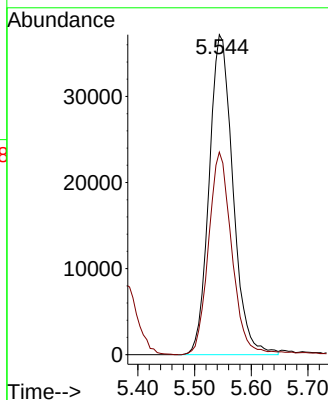
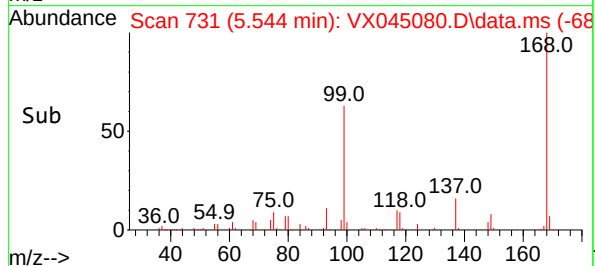
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01



Tgt Ion:168 Resp: 108329
Ion Ratio Lower Upper
168 100
99 63.3 48.2 72.4

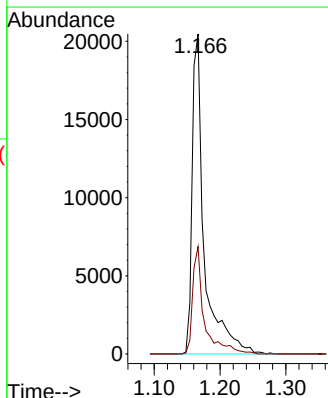
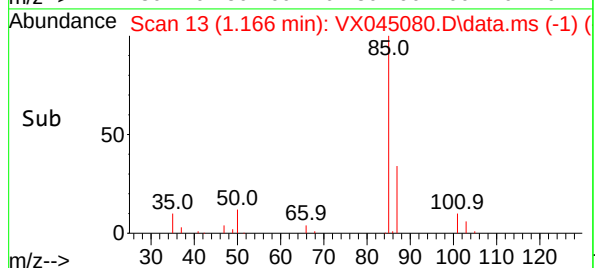
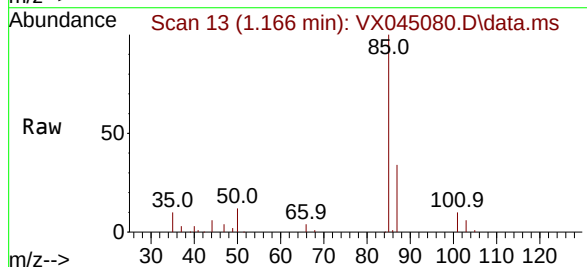
Manual Integrations
APPROVED

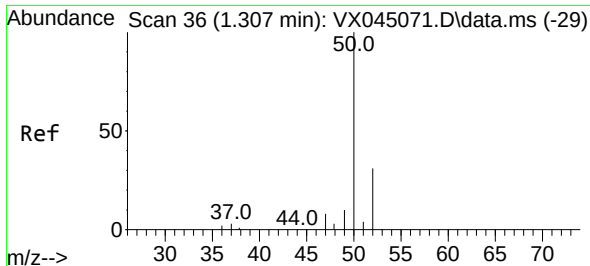
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025



#2
Dichlorodifluoromethane
Concen: 19.062 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 85 Resp: 25993
Ion Ratio Lower Upper
85 100
87 33.5 17.4 52.3





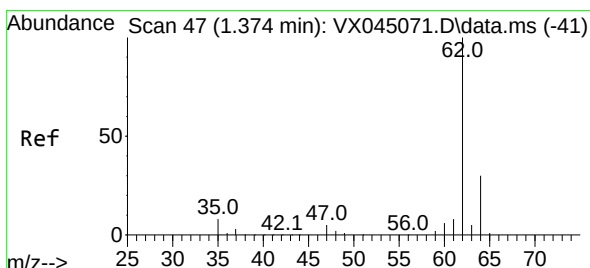
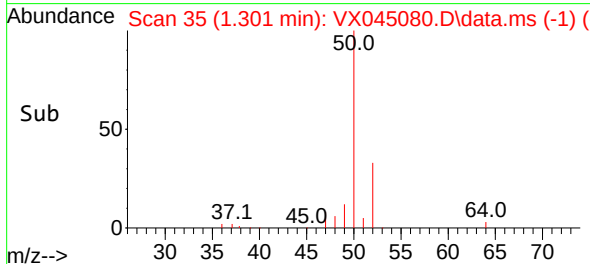
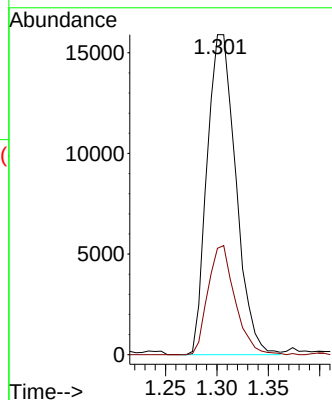
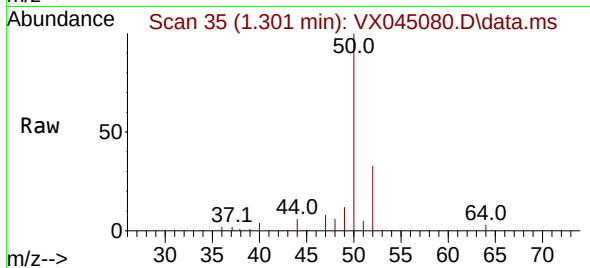
#3
Chloromethane
Concen: 18.608 ug/l
RT: 1.301 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 50 Resp: 3105
Ion Ratio Lower Upper
50 100
52 33.3 25.0 37.4

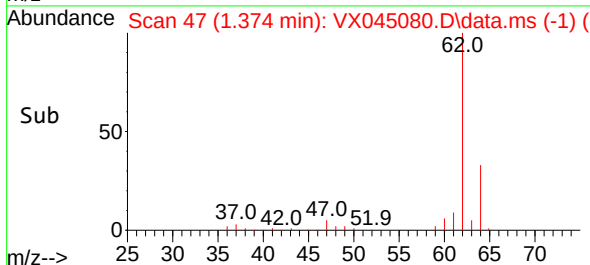
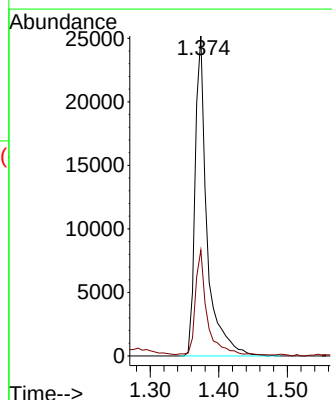
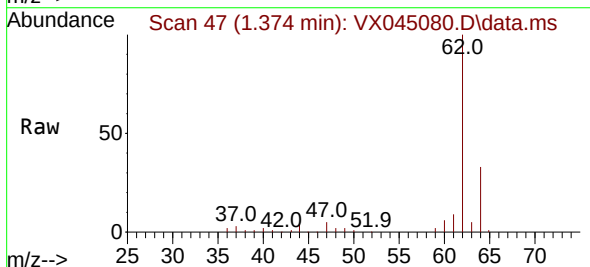
Manual Integrations
APPROVED

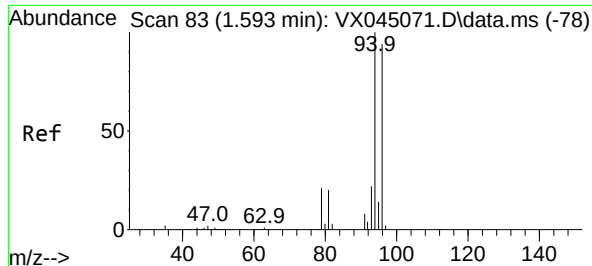
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025



#4
Vinyl Chloride
Concen: 18.363 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 62 Resp: 30398
Ion Ratio Lower Upper
62 100
64 32.5 24.3 36.5





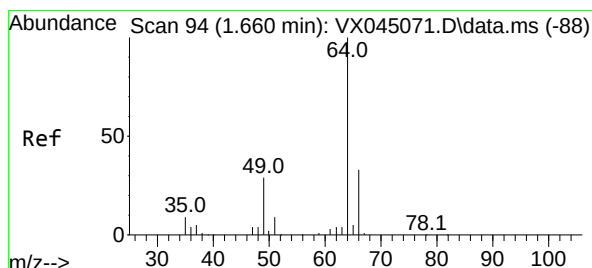
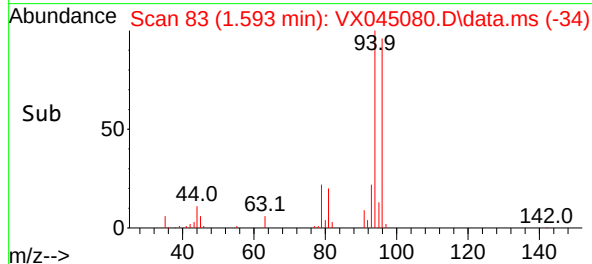
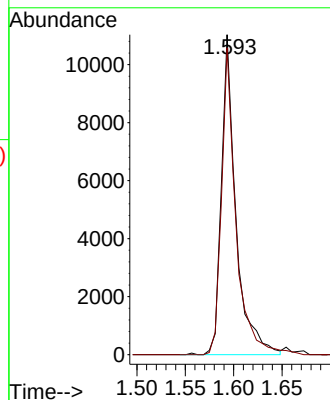
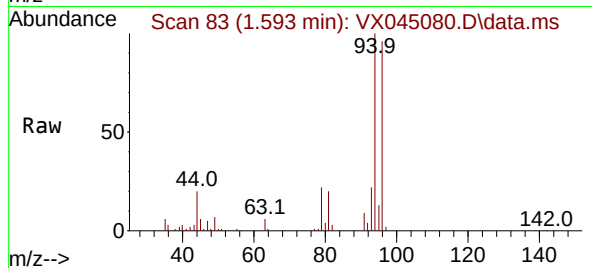
#5
Bromomethane
Concen: 17.665 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 94 Resp: 11490
Ion Ratio Lower Upper
94 100
96 95.9 75.0 112.4

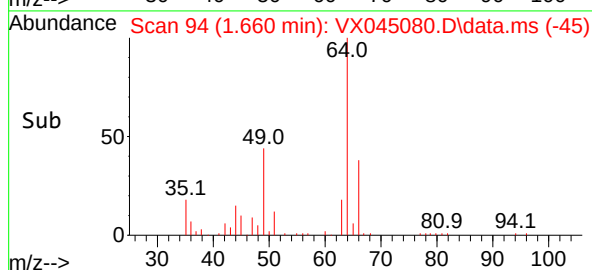
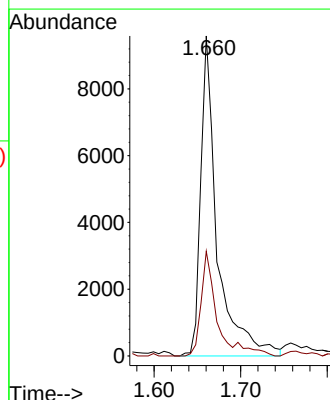
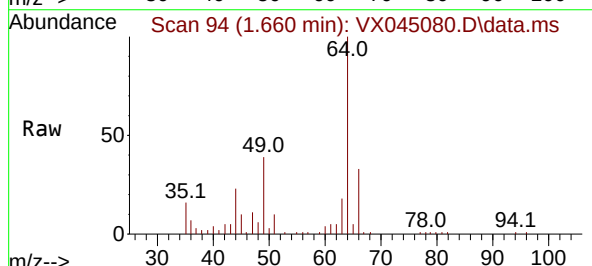
Manual Integrations
APPROVED

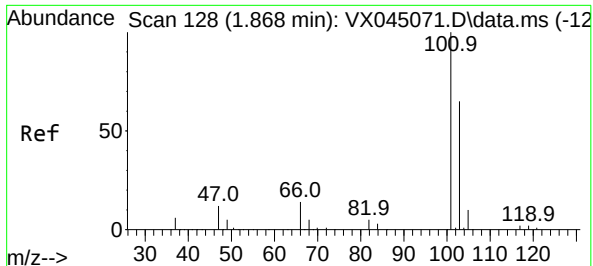
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025



#6
Chloroethane
Concen: 16.582 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 64 Resp: 12662
Ion Ratio Lower Upper
64 100
66 32.7 26.7 40.1





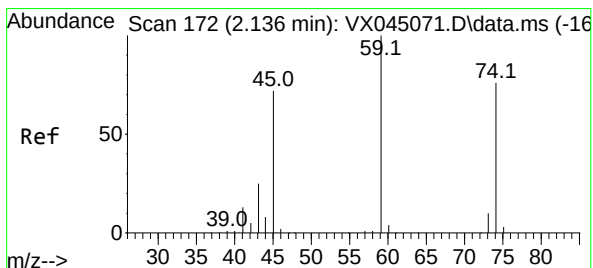
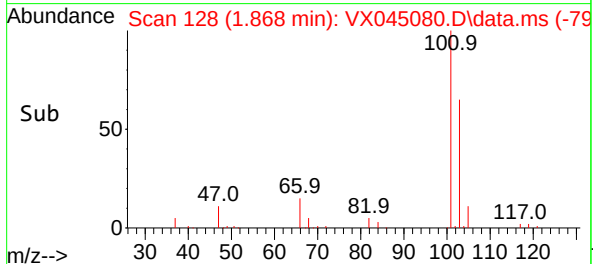
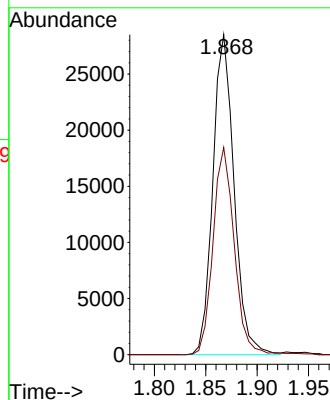
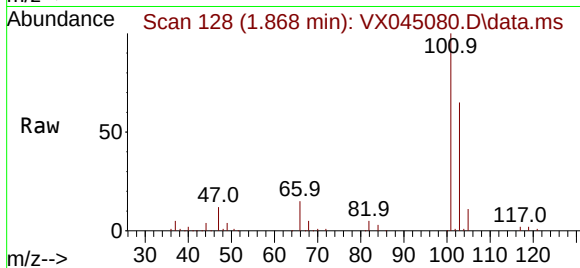
#7
Trichlorofluoromethane
Concen: 18.638 ug/l
RT: 1.868 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion:101 Resp: 4084
Ion Ratio Lower Upper
101 100
103 64.7 52.1 78.1

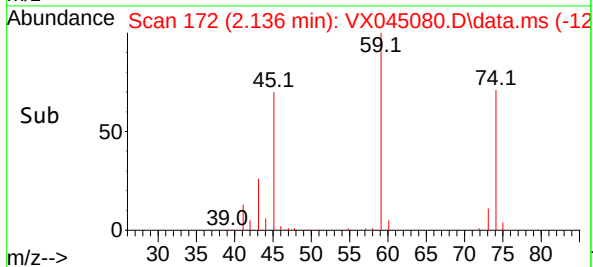
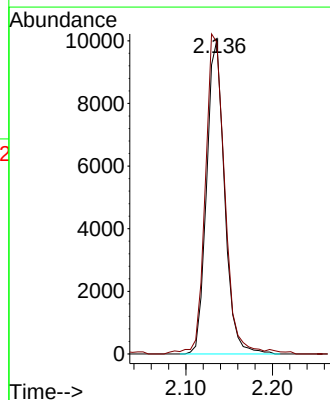
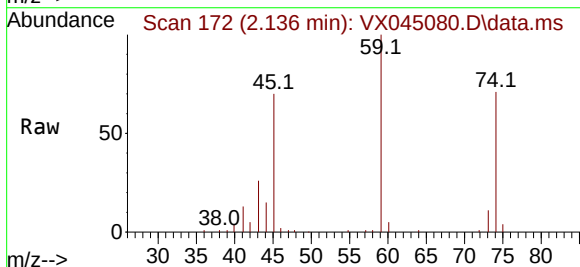
Manual Integrations
APPROVED

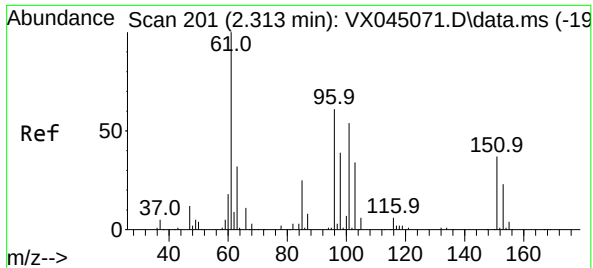
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025



#8
Diethyl Ether
Concen: 16.771 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 74 Resp: 14376
Ion Ratio Lower Upper
74 100
45 111.0 51.5 154.5





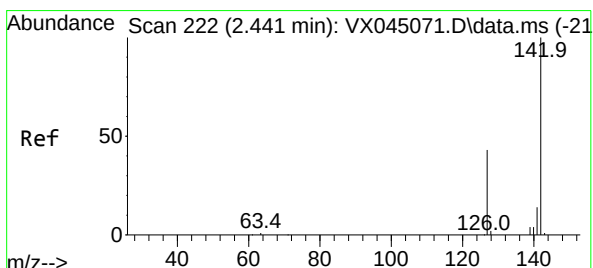
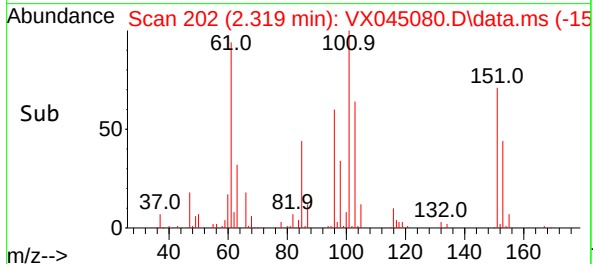
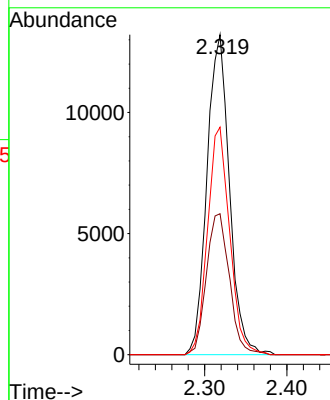
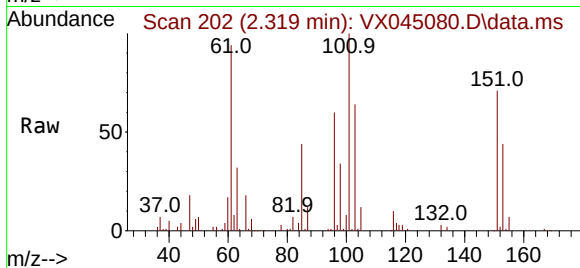
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.899 ug/l
RT: 2.319 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion:101 Resp: 25054
Ion Ratio Lower Upper
101 100
85 45.2 36.2 54.4
151 69.8 56.4 84.6

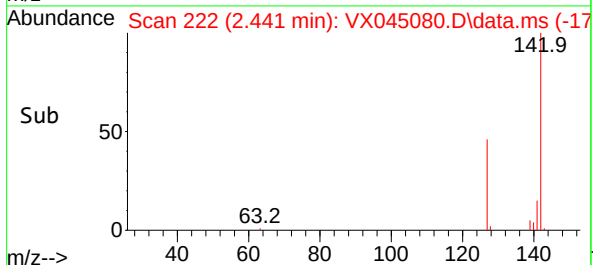
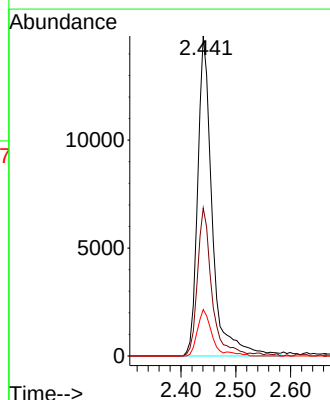
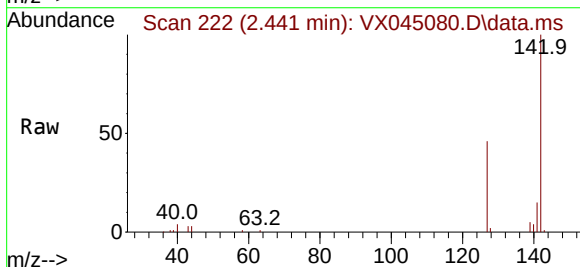
Manual Integrations
APPROVED

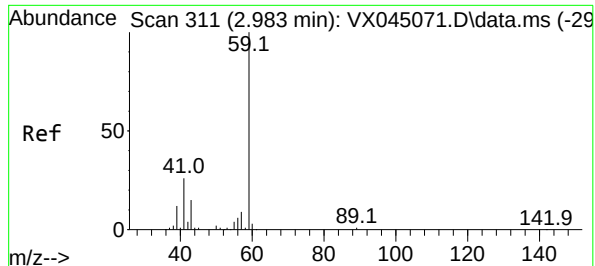
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025



#10
Methyl Iodide
Concen: 17.472 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:142 Resp: 27491
Ion Ratio Lower Upper
142 100
127 46.4 35.4 53.2
141 14.7 11.6 17.4





#11

Tert butyl alcohol

Concen: 80.184 ug/l

RT: 2.995 min Scan# 311

Delta R.T. 0.012 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 59 Resp: 2617

Ion Ratio Lower Upper

59 100

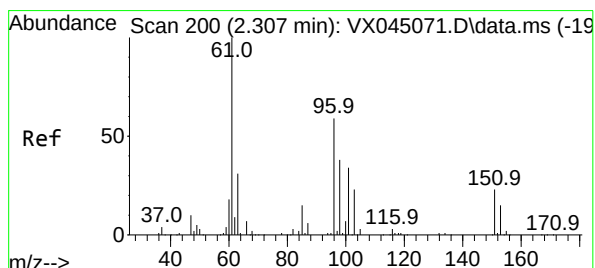
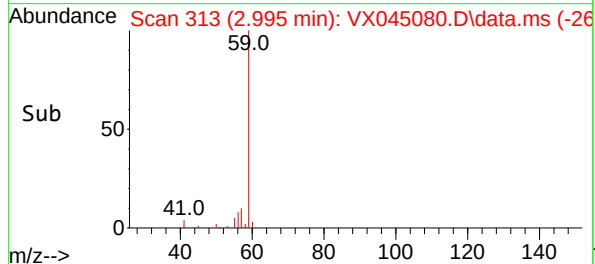
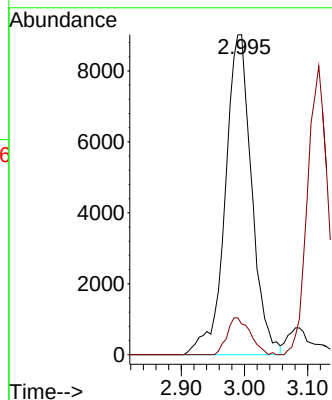
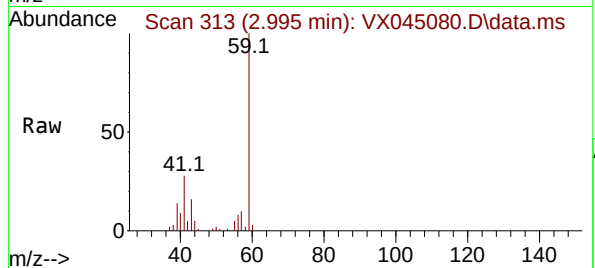
57 10.1 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#12

1,1-Dichloroethene

Concen: 18.103 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

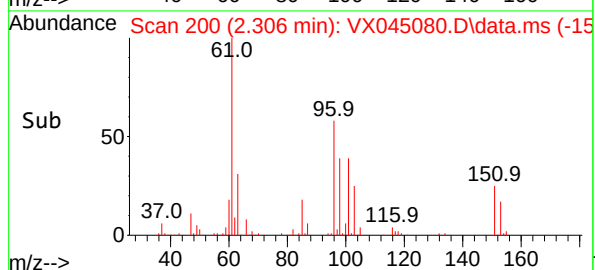
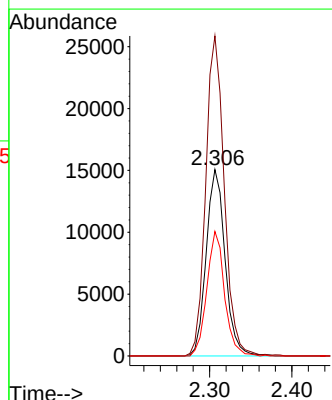
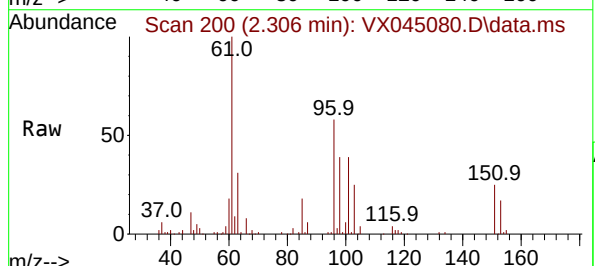
Tgt Ion: 96 Resp: 24097

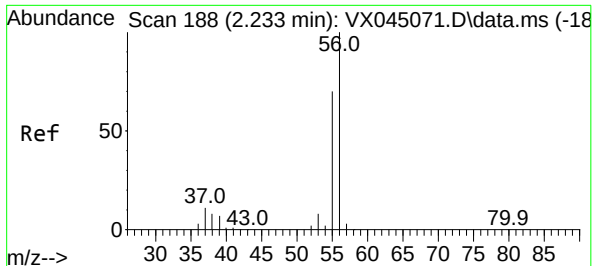
Ion Ratio Lower Upper

96 100

61 171.7 134.6 202.0

98 66.8 51.0 76.6





#13

Acrolein

Concen: 113.023 ug/l

RT: 2.239 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 56 Resp: 4264

Ion Ratio Lower Upper

56 100

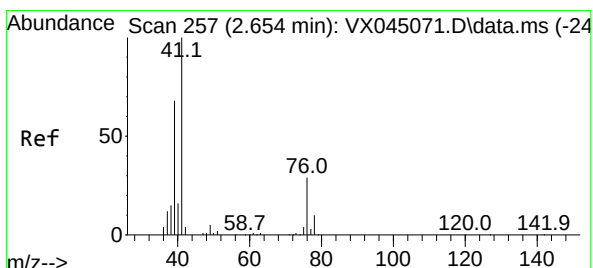
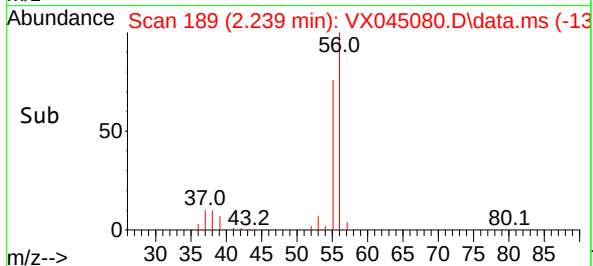
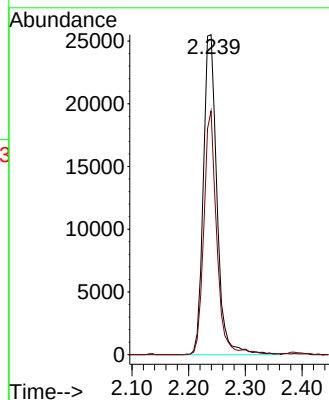
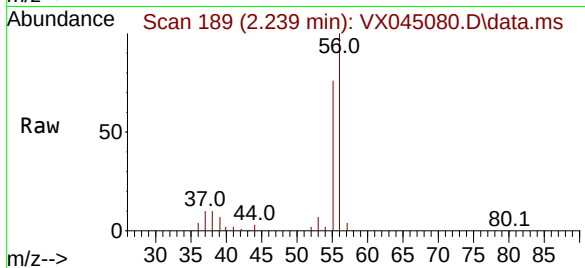
55 72.2 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#14

Allyl chloride

Concen: 18.670 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

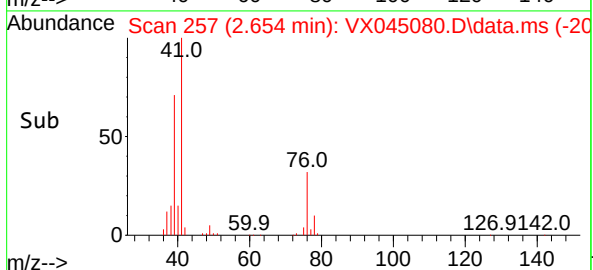
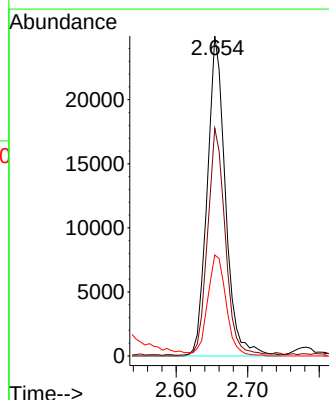
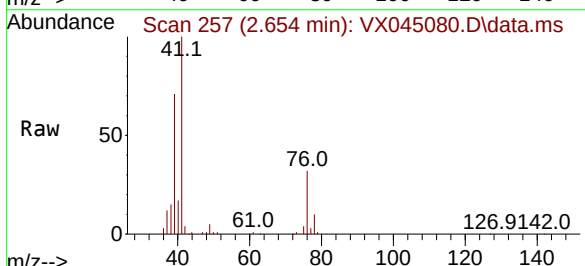
Tgt Ion: 41 Resp: 44238

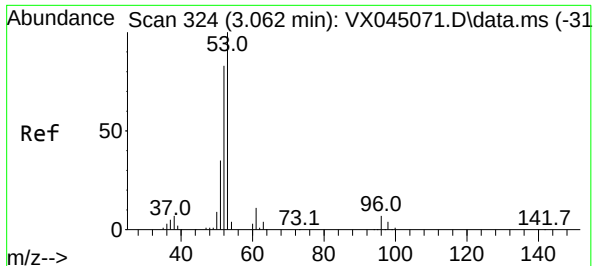
Ion Ratio Lower Upper

41 100

39 68.6 53.8 80.8

76 32.0 25.2 37.8





#15

Acrylonitrile

Concen: 89.193 ug/l

RT: 3.069 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

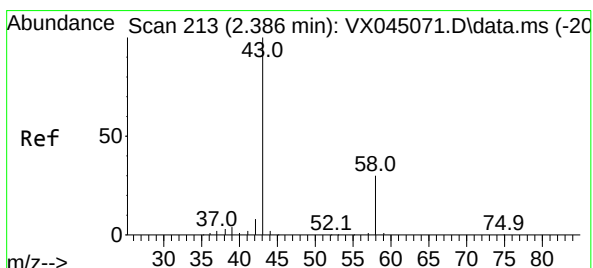
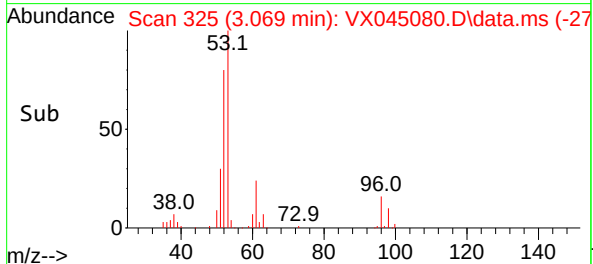
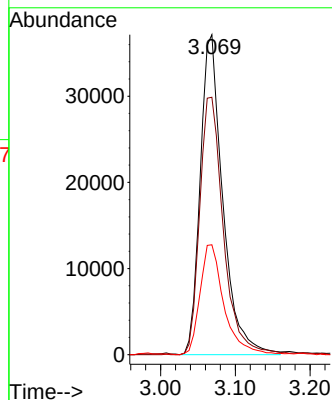
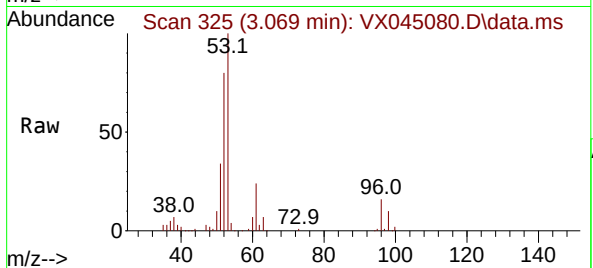
ClientSampleId :

VX0228WBS01

Tgt Ion:	53	Resp:	7802
Ion	Ratio	Lower	Upper
53	100		
52	84.5	66.2	99.2
51	36.7	29.0	43.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025



#16

Acetone

Concen: 83.269 ug/l

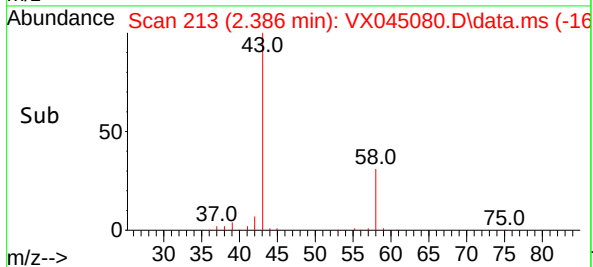
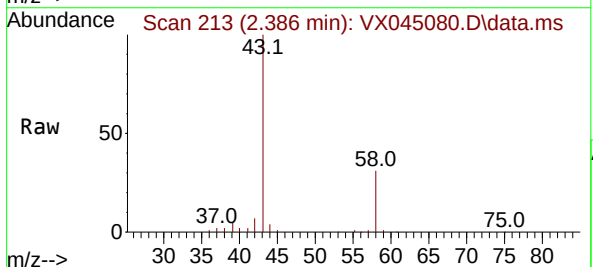
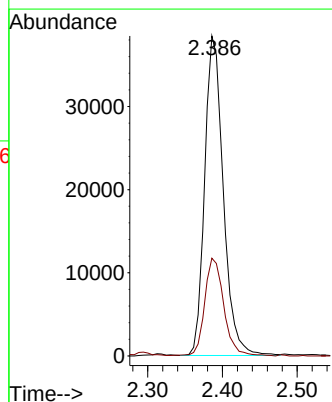
RT: 2.386 min Scan# 213

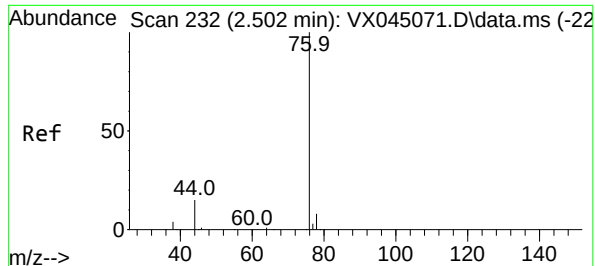
Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Tgt Ion:	43	Resp:	66572
Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.2	36.4





#17

Carbon Disulfide

Concen: 17.691 ug/l

RT: 2.502 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 76 Resp: 6272

Ion Ratio Lower Upper

76 100

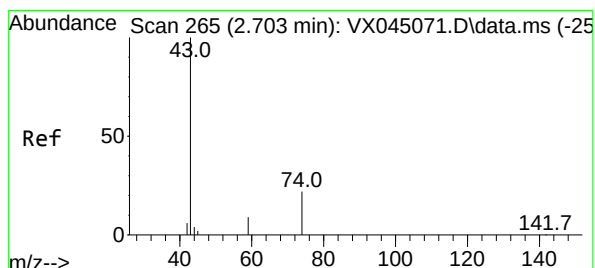
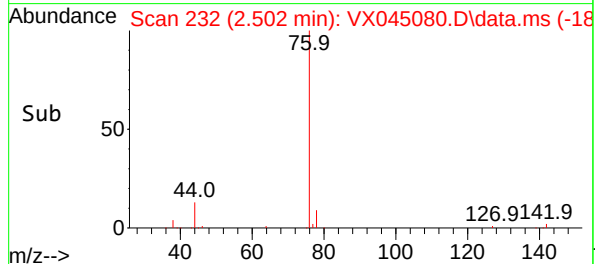
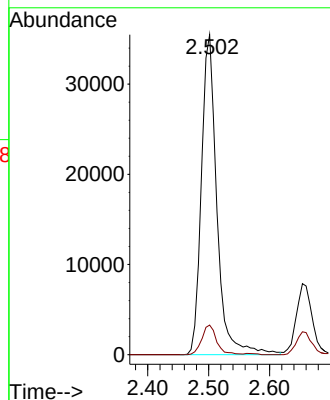
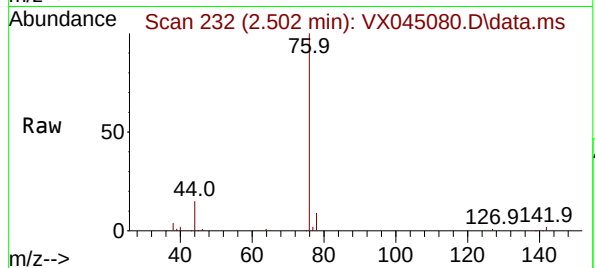
78 9.3 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#18

Methyl Acetate

Concen: 17.501 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX045080.D

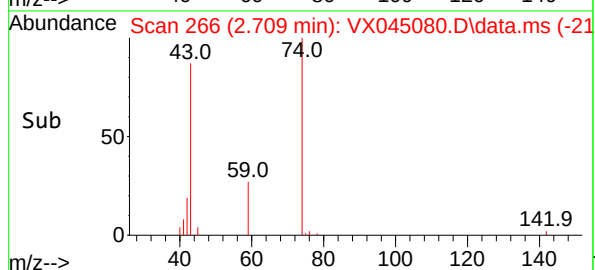
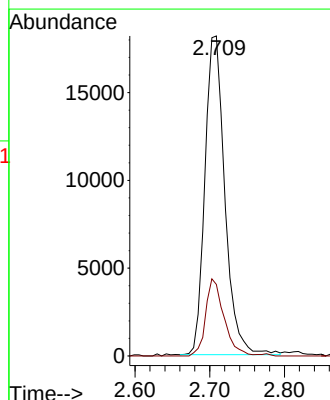
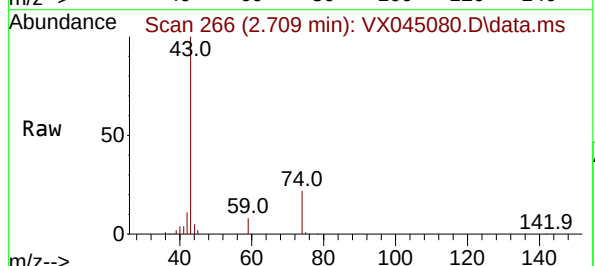
Acq: 28 Feb 2025 11:46

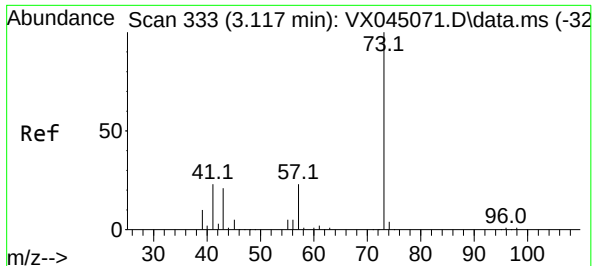
Tgt Ion: 43 Resp: 33660

Ion Ratio Lower Upper

43 100

74 22.2 17.4 26.2





#19

Methyl tert-butyl Ether

Concen: 17.859 ug/l

RT: 3.117 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 73 Resp: 79750

Ion Ratio Lower Upper

73 100

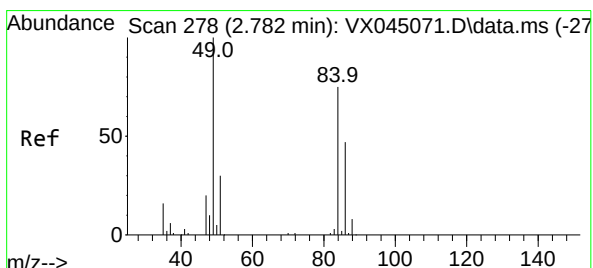
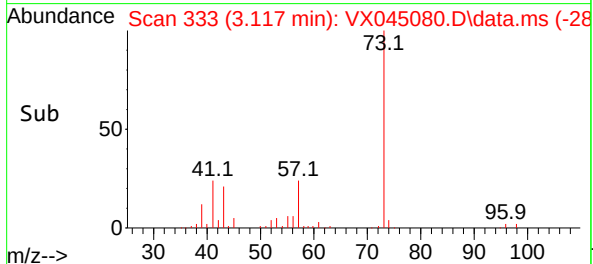
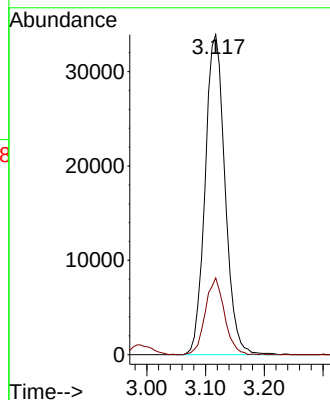
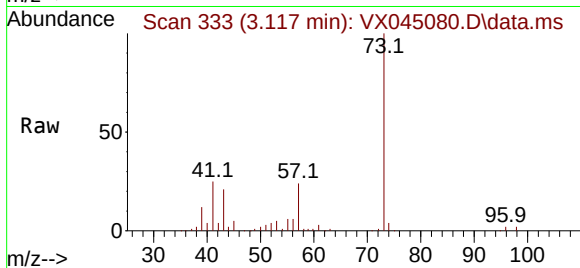
57 24.0 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#20

Methylene Chloride

Concen: 17.853 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Tgt Ion: 84 Resp: 28274

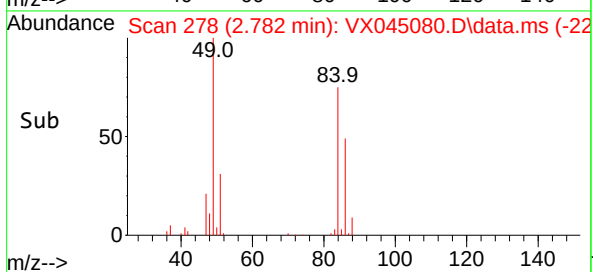
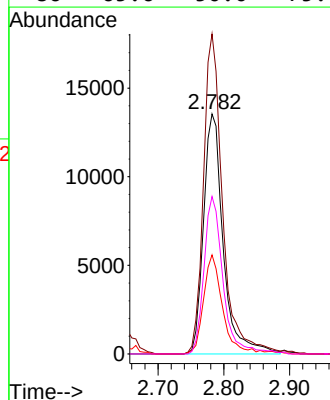
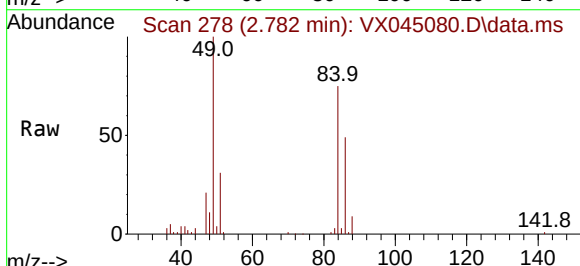
Ion Ratio Lower Upper

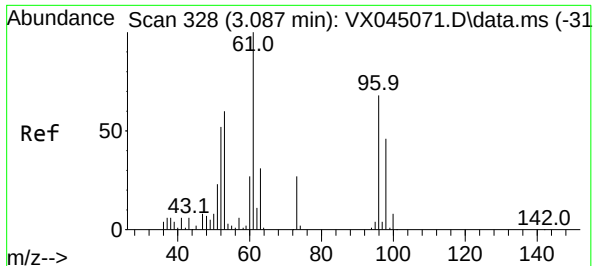
84 100

49 133.4 106.5 159.7

51 41.3 32.1 48.1

86 65.6 50.0 75.0





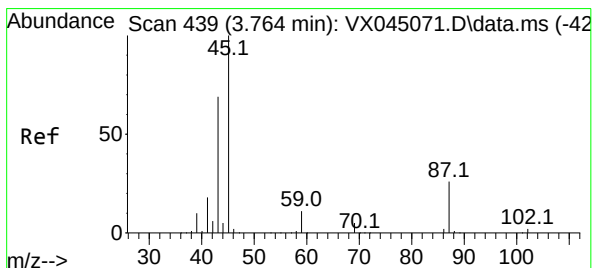
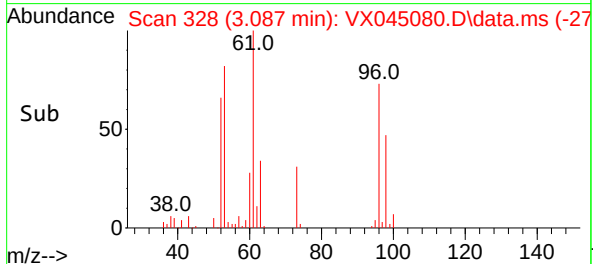
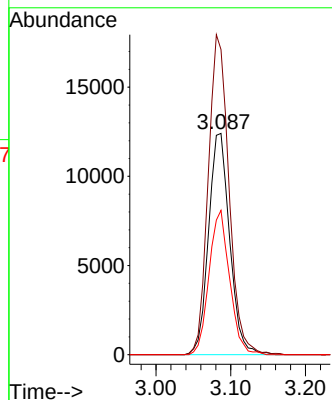
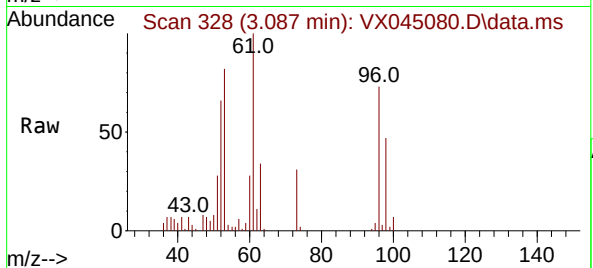
#21
trans-1,2-Dichloroethene
Concen: 18.556 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 96 Resp: 2440
Ion Ratio Lower Upper
96 100
61 137.9 117.0 175.4
98 65.2 53.4 80.2

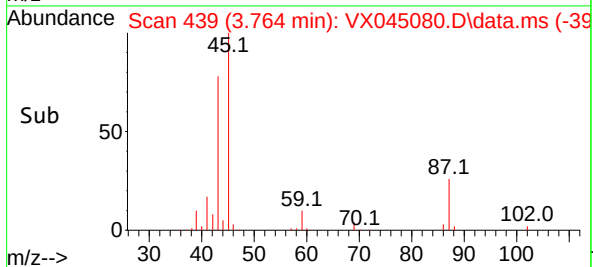
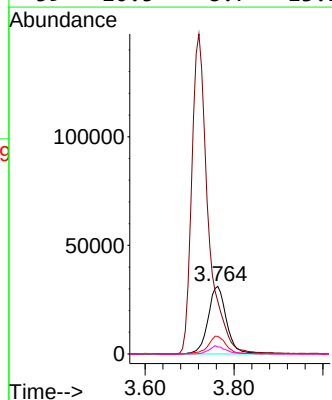
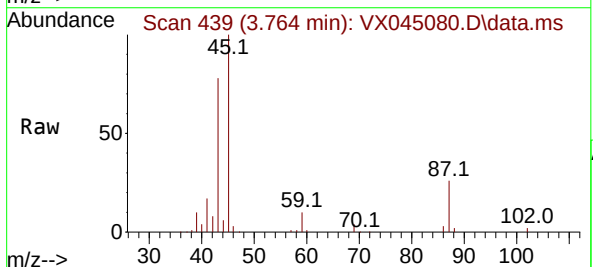
Manual Integrations
APPROVED

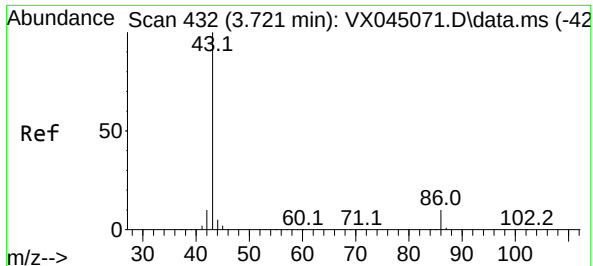
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025



#22
Diisopropyl ether
Concen: 18.596 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

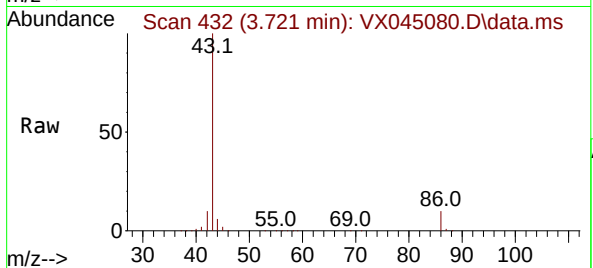
Tgt Ion: 45 Resp: 89611
Ion Ratio Lower Upper
45 100
43 76.4 54.9 82.3
87 26.0 21.0 31.4
59 10.5 8.7 13.1





#23
Vinyl Acetate
Concen: 93.881 ug/l
RT: 3.721 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

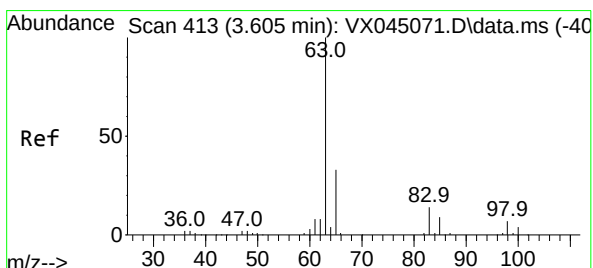
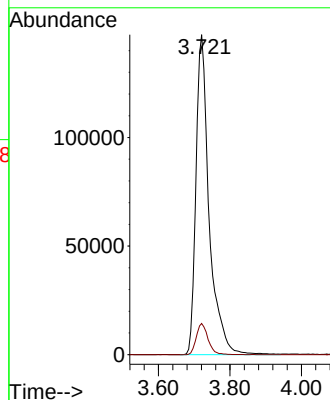
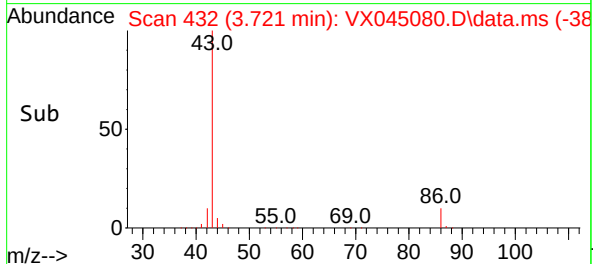
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01



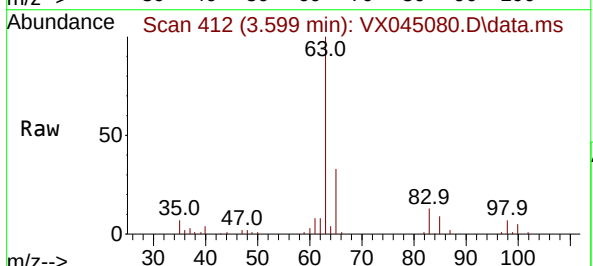
Tgt Ion: 43 Resp: 377530
Ion Ratio Lower Upper
43 100
86 9.8 8.1 12.1

Manual Integrations
APPROVED

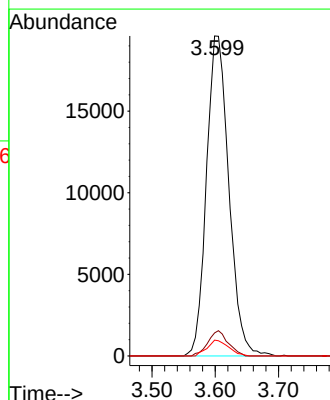
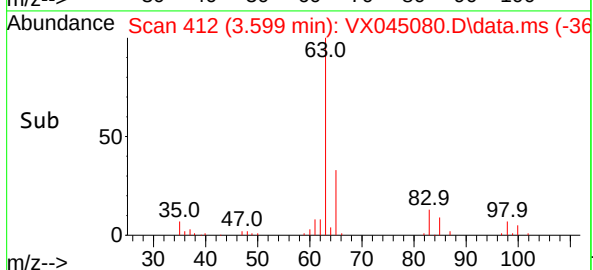
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025

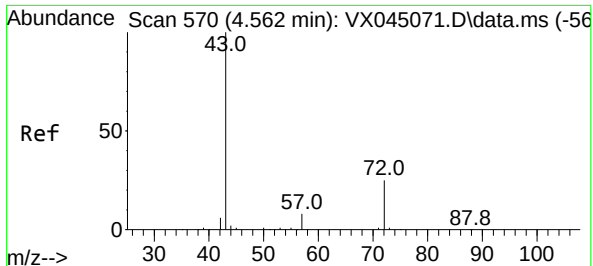


#24
1,1-Dichloroethane
Concen: 17.874 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46



Tgt Ion: 63 Resp: 48272
Ion Ratio Lower Upper
63 100
98 7.2 3.4 10.2
100 4.9 2.1 6.5





#25

2-Butanone

Concen: 91.613 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 43 Resp: 11024

Ion Ratio Lower Upper

43

100

72

24.8

20.0

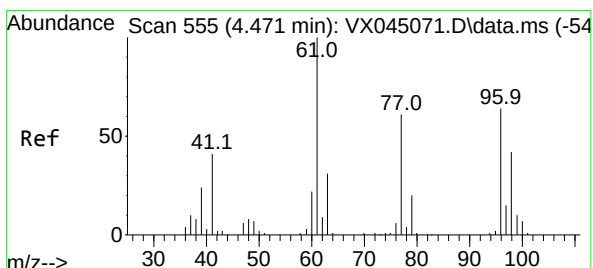
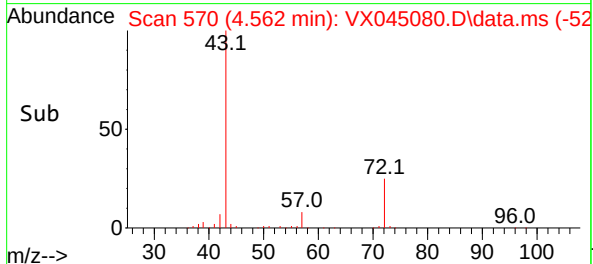
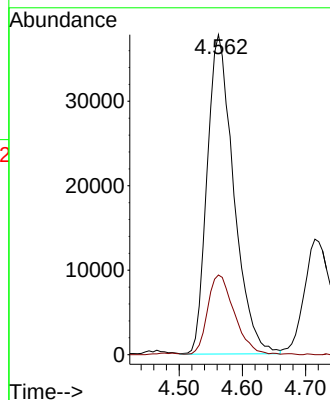
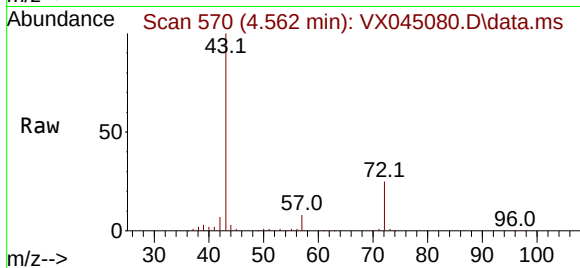
30.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#26

2,2-Dichloropropane

Concen: 26.092 ug/l

RT: 4.471 min Scan# 555

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Tgt Ion: 77 Resp: 33053

Ion Ratio Lower Upper

77

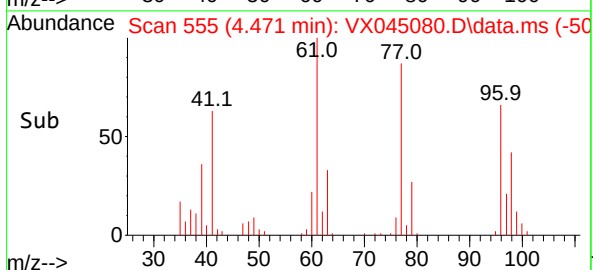
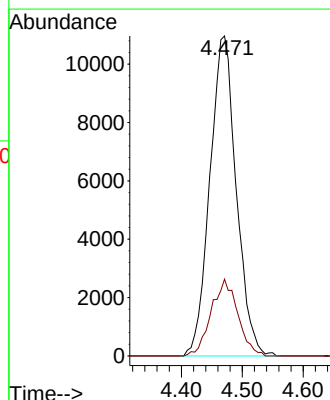
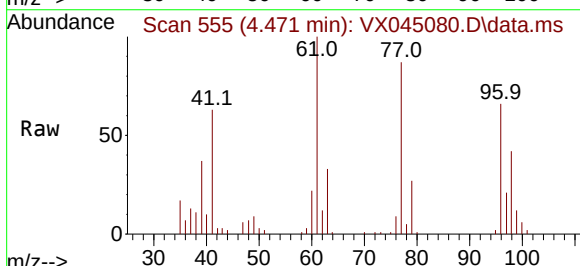
100

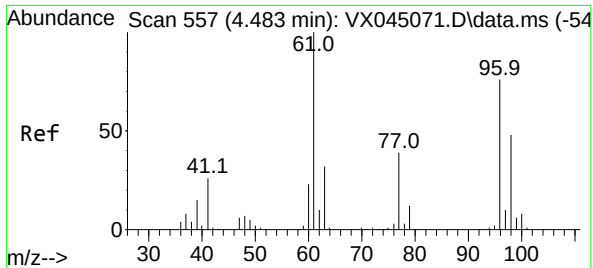
97

24.2

12.4

37.0





#27

cis-1,2-Dichloroethene

Concen: 18.196 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 96 Resp: 29539

Ion Ratio Lower Upper

96 100

61 148.3 0.0 283.2

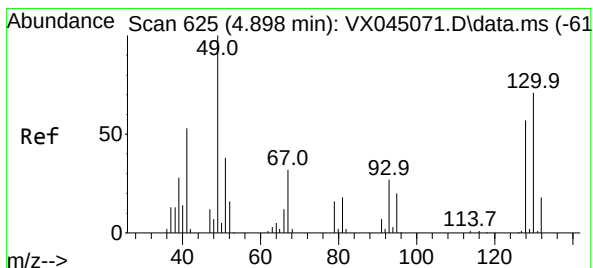
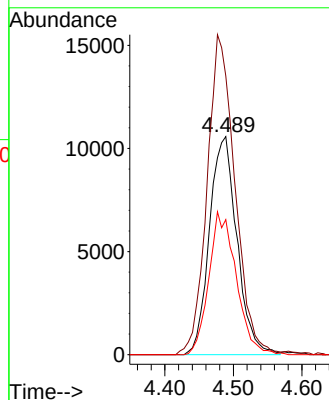
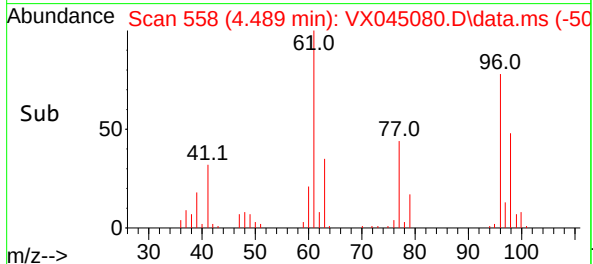
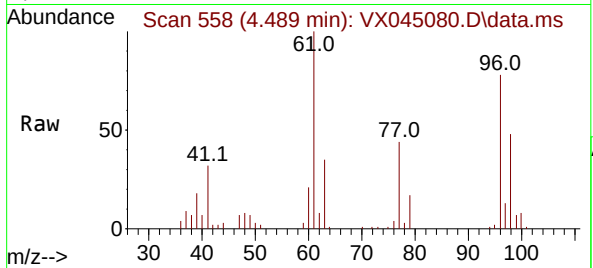
98 65.1 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#28

Bromochloromethane

Concen: 17.404 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.006 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

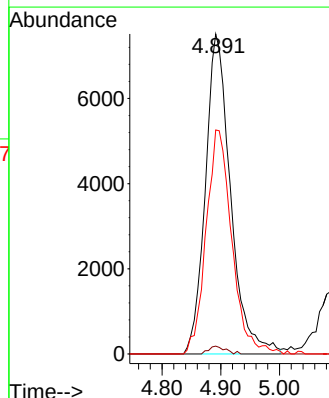
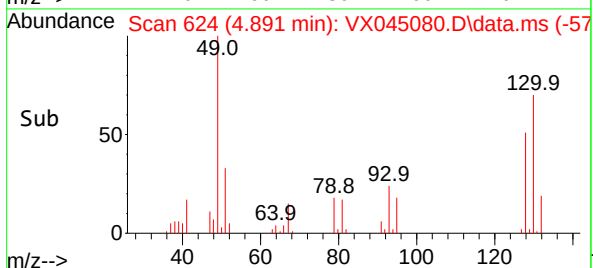
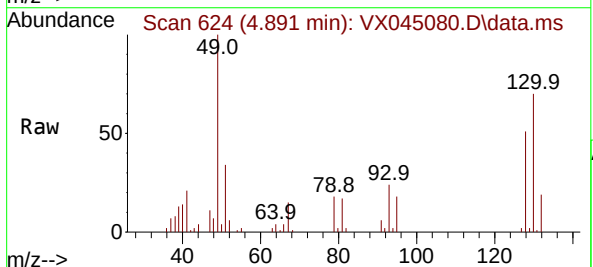
Tgt Ion: 49 Resp: 22404

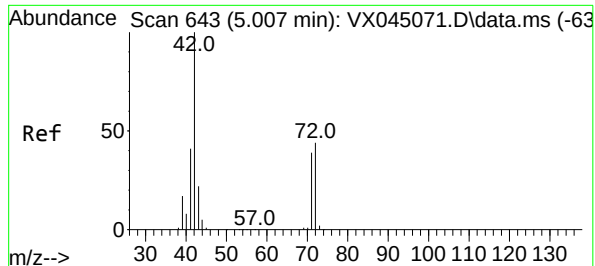
Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.4

130 71.5 56.1 84.1





#29

Tetrahydrofuran

Concen: 88.264 ug/l

RT: 5.007 min Scan# 643

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 42 Resp: 7133

Ion Ratio Lower Upper

42 100

72 43.1 34.1 51.1

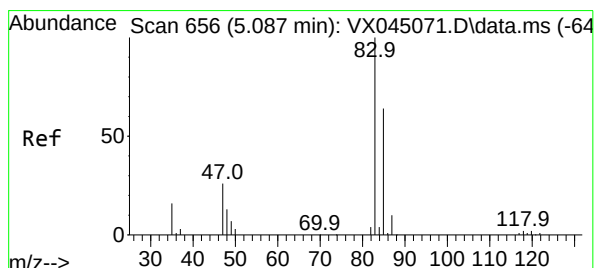
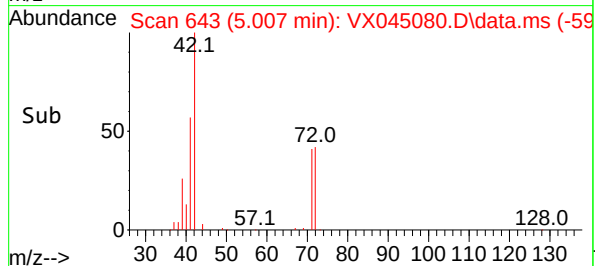
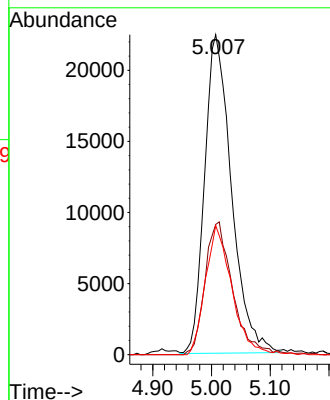
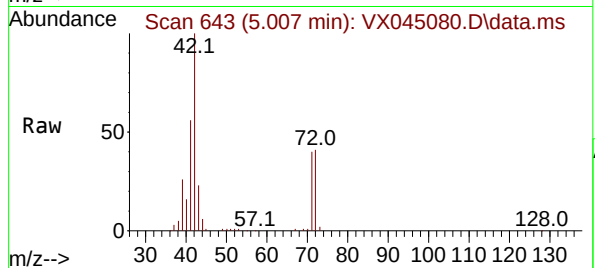
71 39.9 31.4 47.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#30

Chloroform

Concen: 18.082 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.000 min

Lab File: VX045080.D

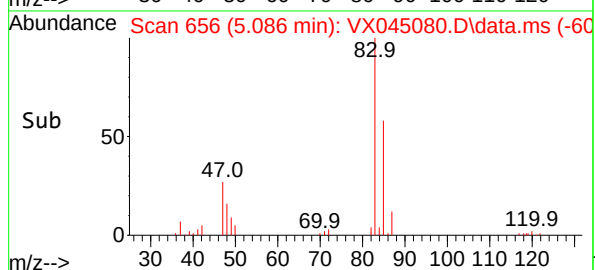
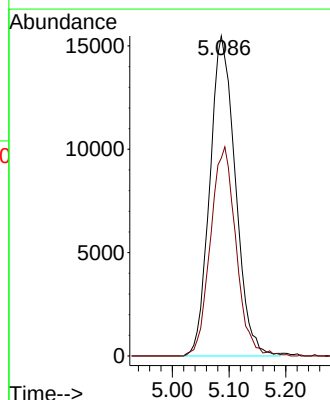
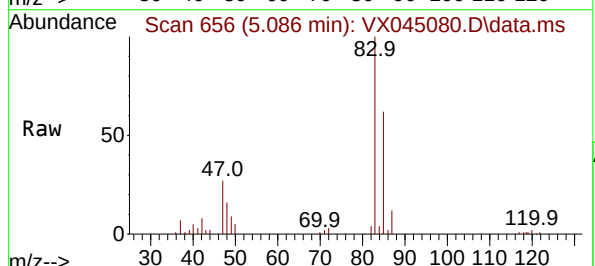
Acq: 28 Feb 2025 11:46

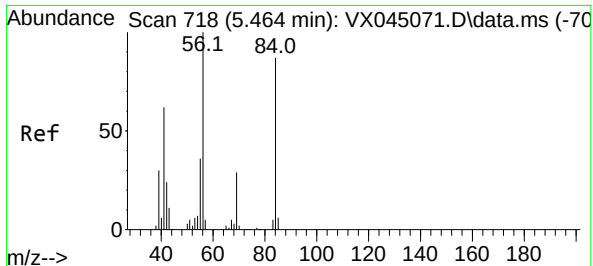
Tgt Ion: 83 Resp: 48521

Ion Ratio Lower Upper

83 100

85 61.9 51.4 77.2





#31

Cyclohexane

Concen: 19.324 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.006 min

Lab File: VX045080.D

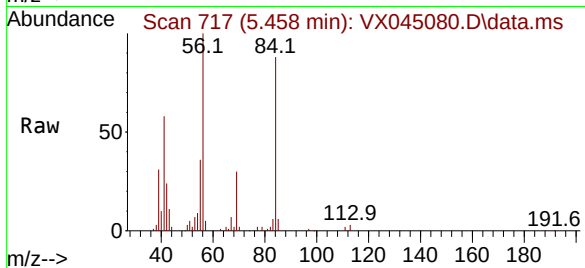
Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01



Tgt Ion: 56 Resp: 4530

Ion Ratio Lower Upper

56 100

69 30.2 23.4 35.2

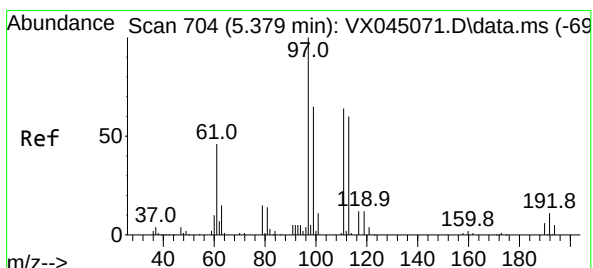
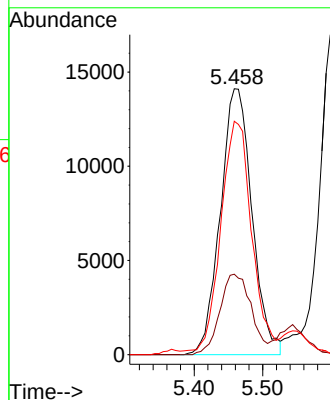
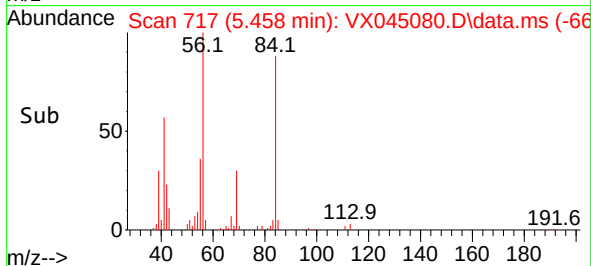
84 86.4 69.4 104.2

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 18.150 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

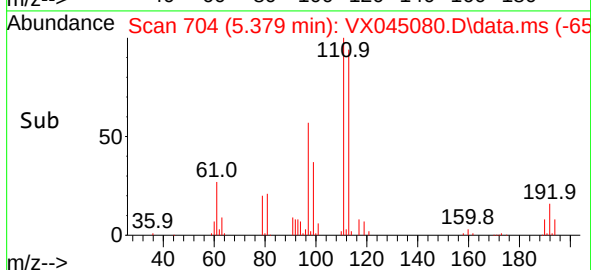
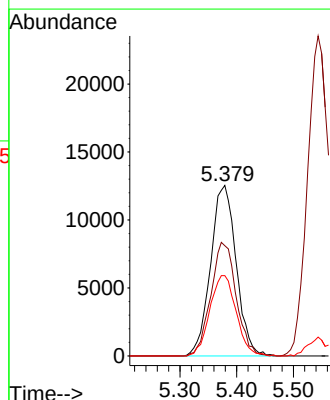
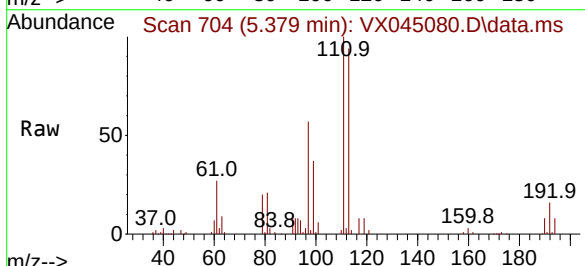
Tgt Ion: 97 Resp: 39336

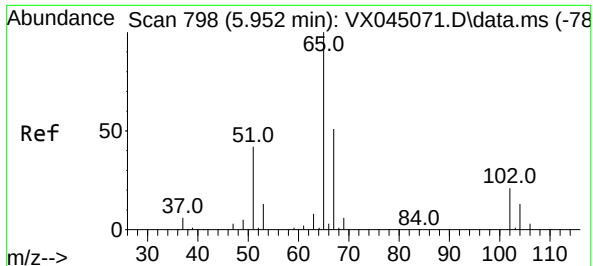
Ion Ratio Lower Upper

97 100

99 65.9 51.6 77.4

61 48.4 38.4 57.6





#33

1,2-Dichloroethane-d4

Concen: 46.938 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 65 Resp: 8088

Ion Ratio Lower Upper

65 100

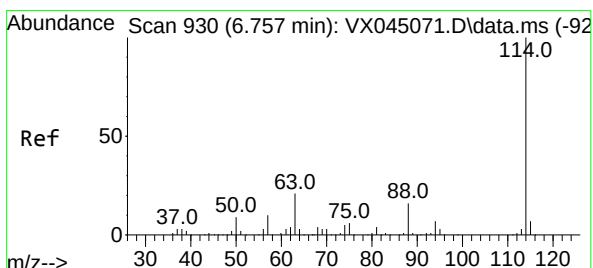
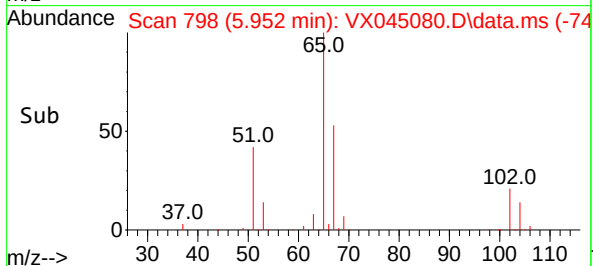
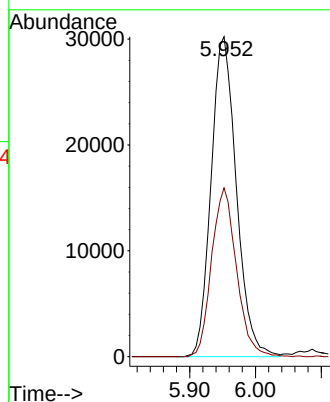
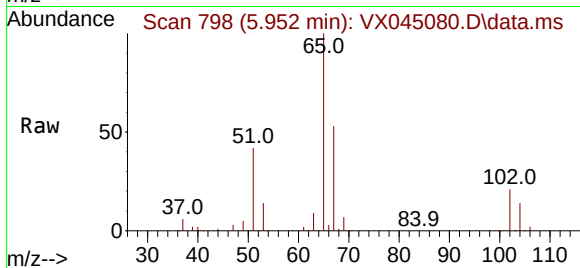
67 51.8 0.0 106.2

Manual Integrations

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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

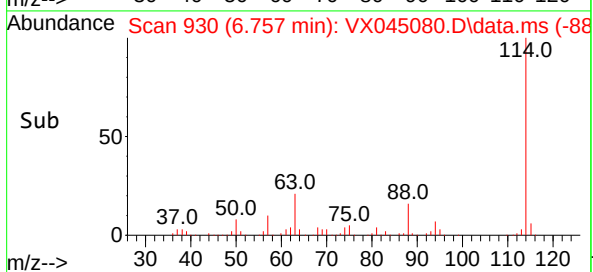
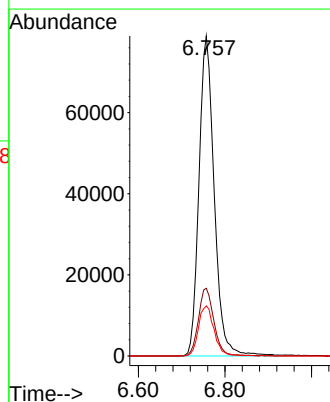
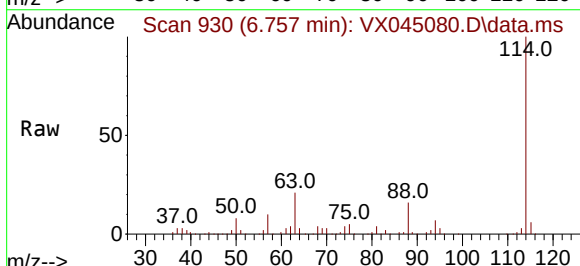
Tgt Ion:114 Resp: 192724

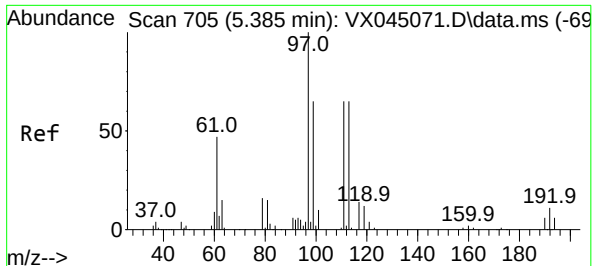
Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.8

88 15.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.207 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

Tgt Ion:113 Resp: 62124

Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.6

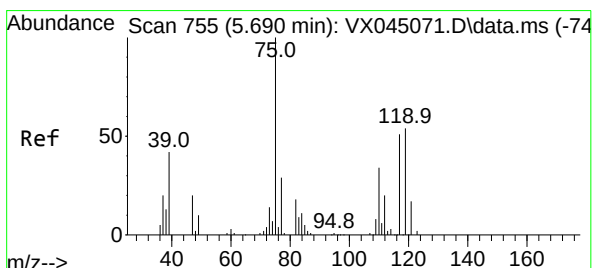
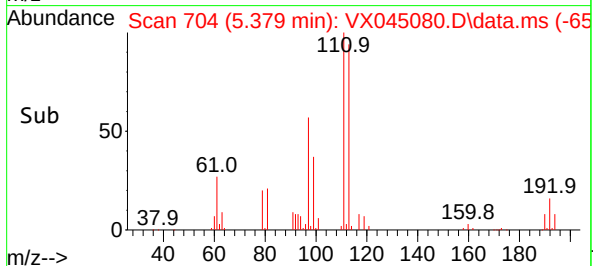
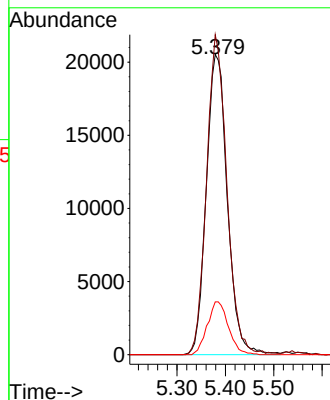
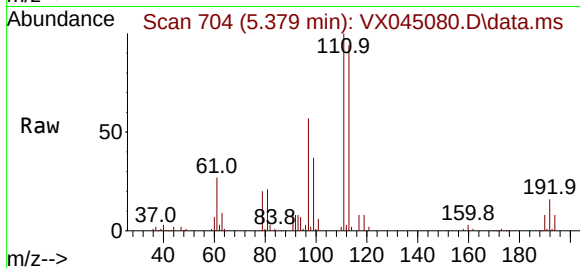
192 17.6 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#36

1,1-Dichloropropene

Concen: 18.803 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

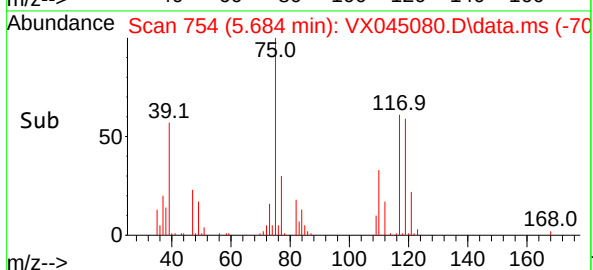
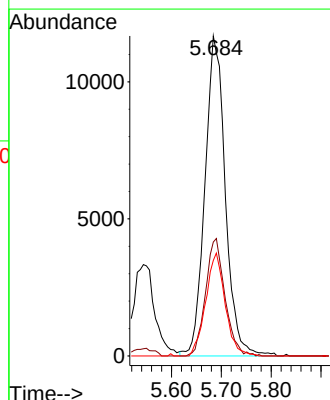
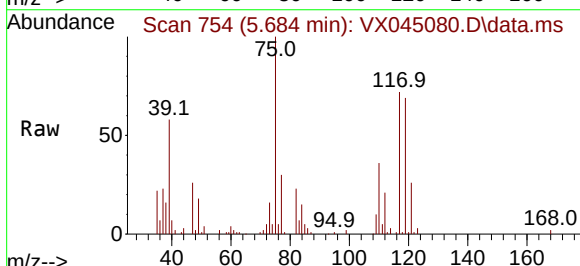
Tgt Ion: 75 Resp: 33230

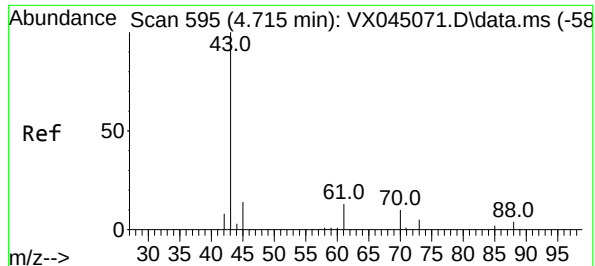
Ion Ratio Lower Upper

75 100

110 34.9 16.9 50.6

77 30.6 24.5 36.7





#37

Ethyl Acetate

Concen: 17.811 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

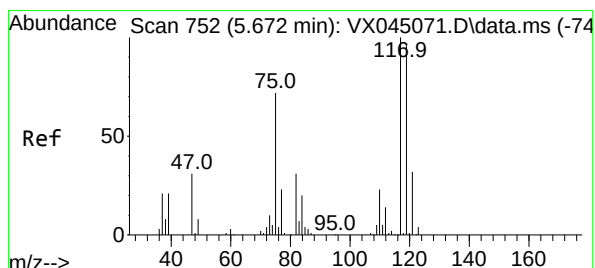
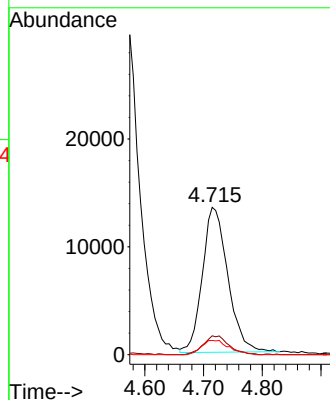
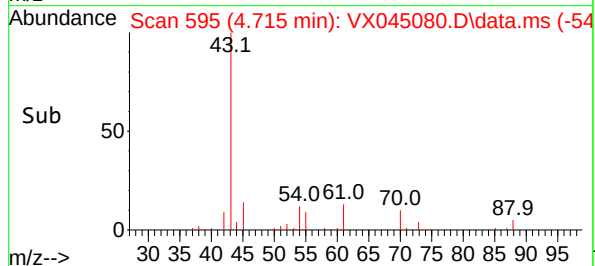
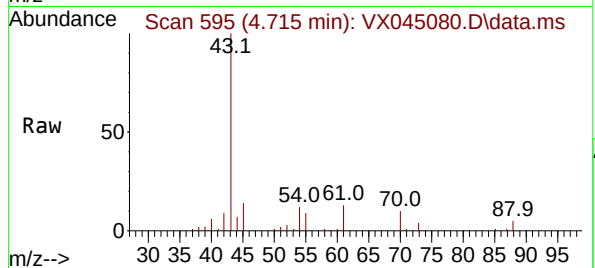
ClientSampleId :

VX0228WBS01

Tgt Ion:	43	Resp:	40562
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.8	16.2
70	10.6	7.7	11.5

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025



#38

Carbon Tetrachloride

Concen: 18.548 ug/l

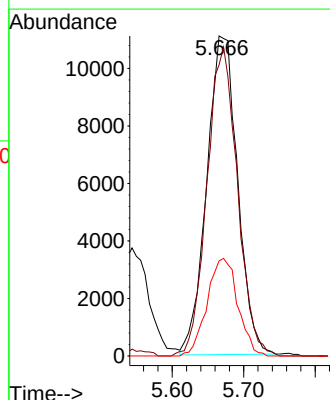
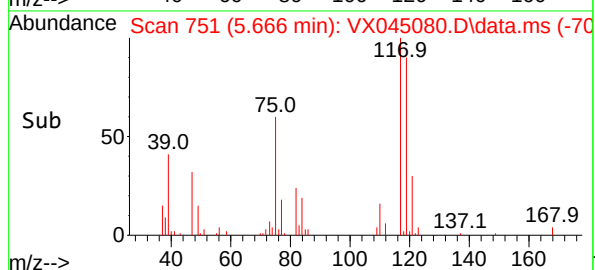
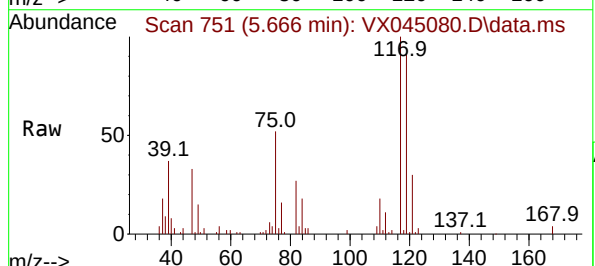
RT: 5.666 min Scan# 751

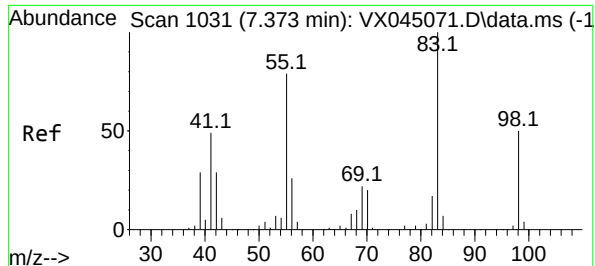
Delta R.T. -0.006 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Tgt Ion:	117	Resp:	33280
Ion	Ratio	Lower	Upper
117	100		
119	91.5	76.7	115.1
121	29.9	25.5	38.3





#39

Methylcyclohexane

Concen: 20.816 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 83 Resp: 4408

Ion Ratio Lower Upper

83 100

55 75.1 63.0 94.4

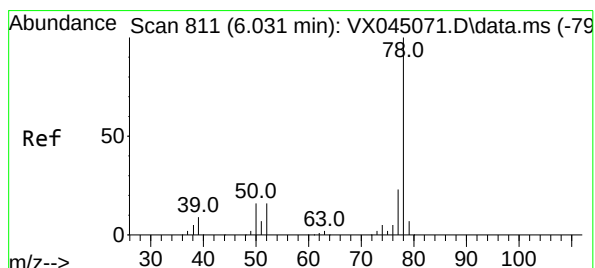
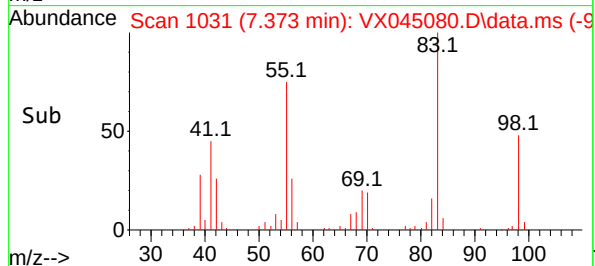
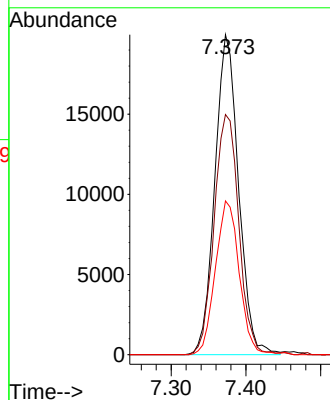
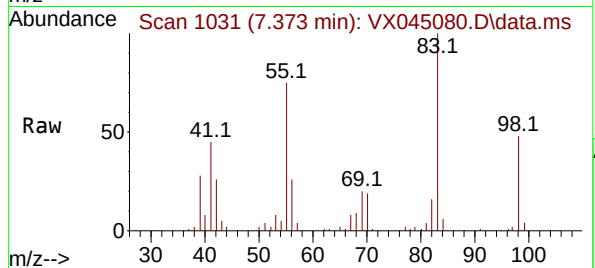
98 48.1 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#40

Benzene

Concen: 19.035 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX045080.D

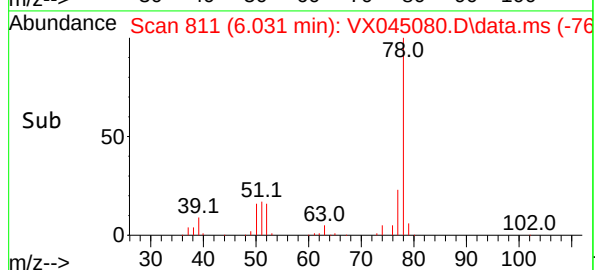
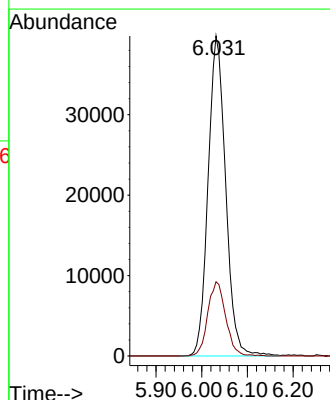
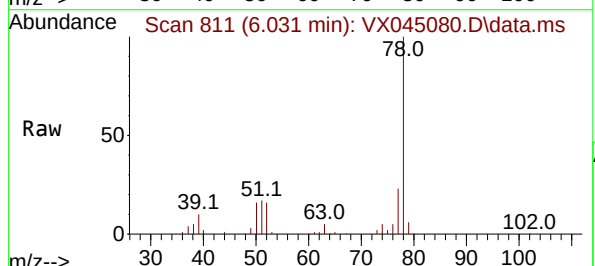
Acq: 28 Feb 2025 11:46

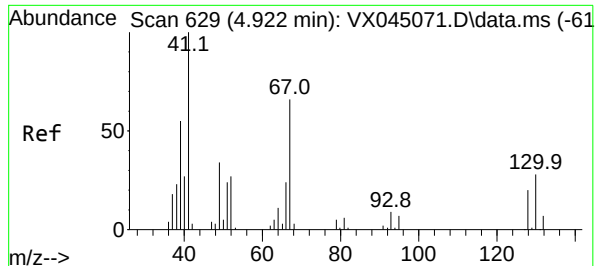
Tgt Ion: 78 Resp: 106228

Ion Ratio Lower Upper

78 100

77 23.2 18.8 28.2





#41

Methacrylonitrile

Concen: 18.159 ug/l

RT: 4.922 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Tgt Ion: 41 Resp: 22360

Ion Ratio Lower Upper

41 100

39 55.2 44.6 67.0

67 71.9 53.9 80.9

52 30.8 23.3 34.9

Instrument :

MSVOA_X

ClientSampleId :

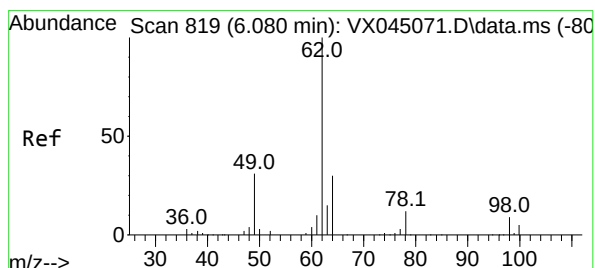
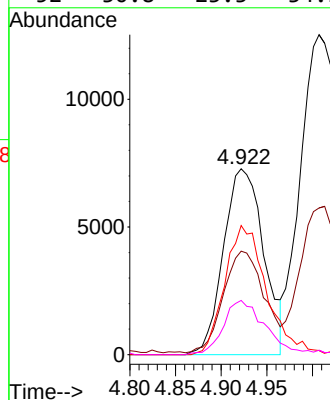
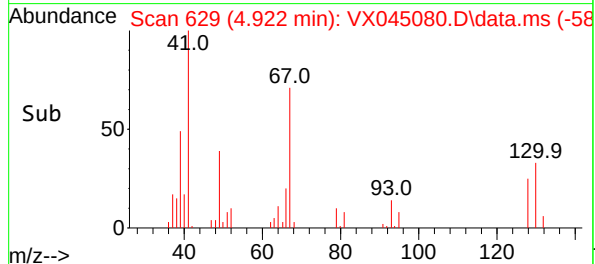
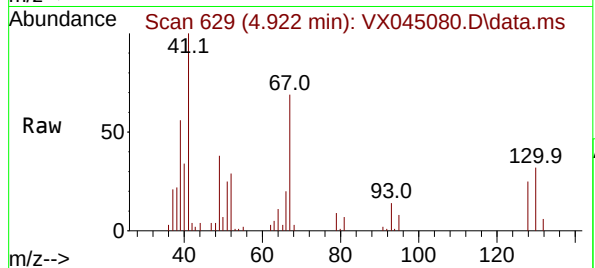
VX0228WBS01

Manual Integrations

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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#42

1,2-Dichloroethane

Concen: 18.559 ug/l

RT: 6.086 min Scan# 820

Delta R.T. 0.006 min

Lab File: VX045080.D

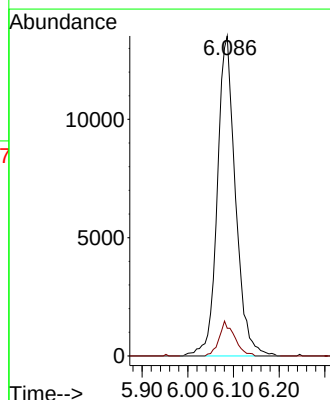
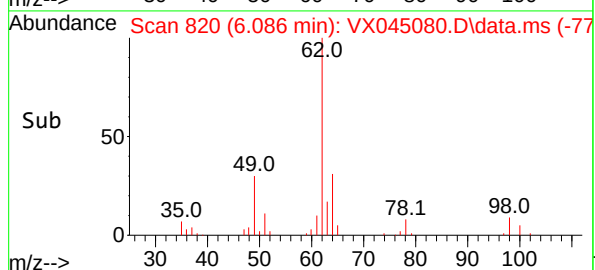
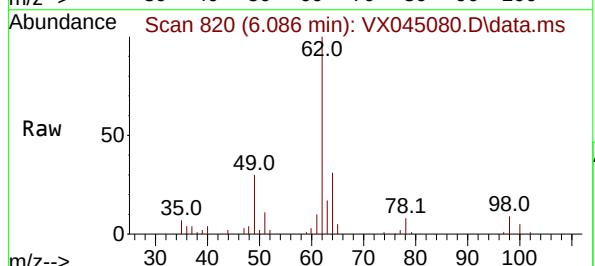
Acq: 28 Feb 2025 11:46

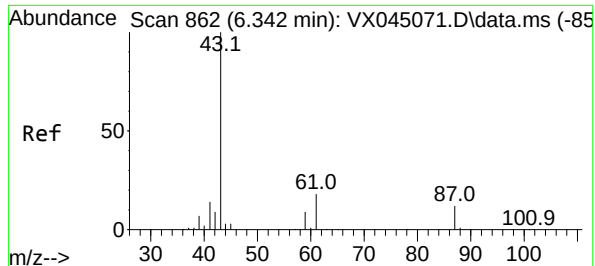
Tgt Ion: 62 Resp: 37297

Ion Ratio Lower Upper

62 100

98 9.3 0.0 18.2





#43

Isopropyl Acetate

Concen: 19.076 ug/l

RT: 6.342 min Scan# 862

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

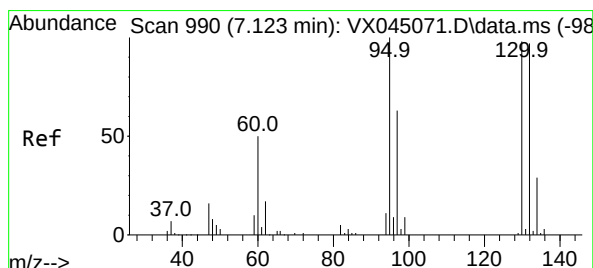
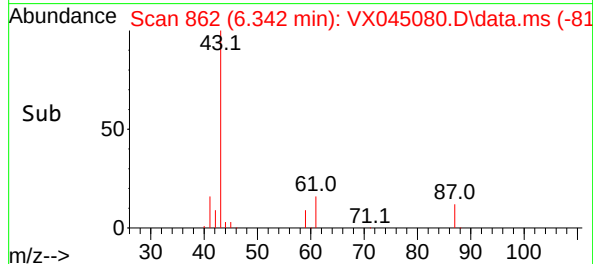
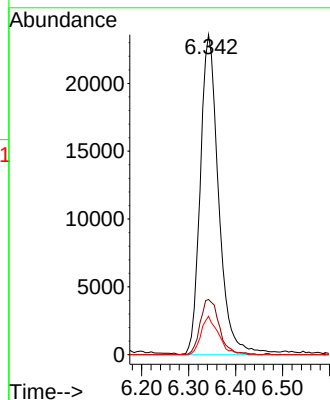
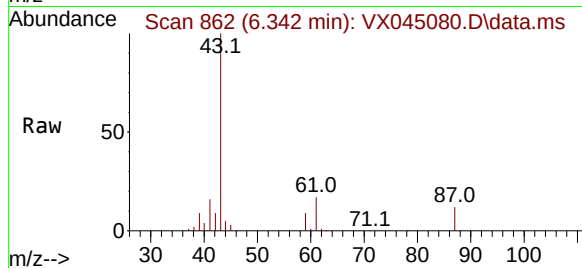
VX0228WBS01

Tgt Ion:	43	Resp:	64239
Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.9	22.3
87	11.4	9.4	14.2

Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 03/03/2025



#44

Trichloroethene

Concen: 18.612 ug/l

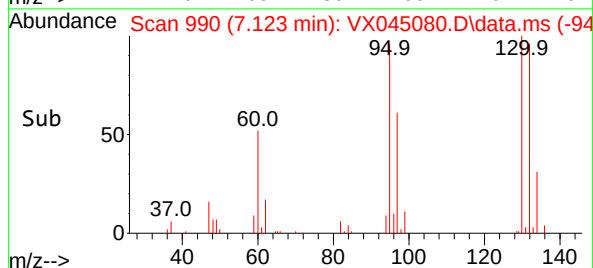
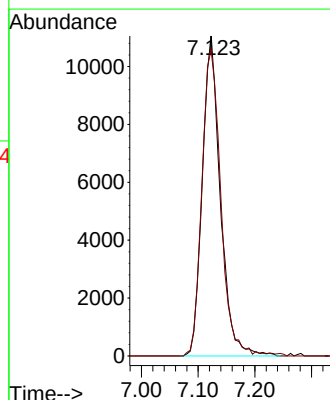
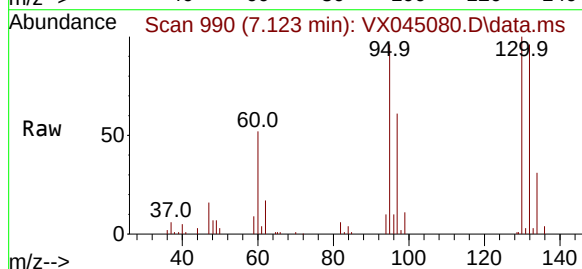
RT: 7.123 min Scan# 990

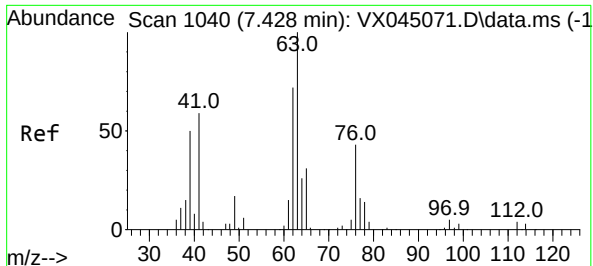
Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Tgt Ion:	130	Resp:	24390
Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	205.0





#45

1,2-Dichloropropane

Concen: 18.614 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 63 Resp: 26709

Ion Ratio Lower Upper

63 100

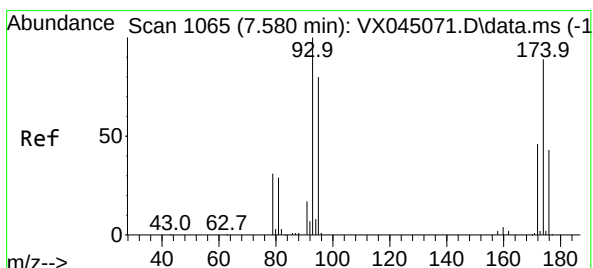
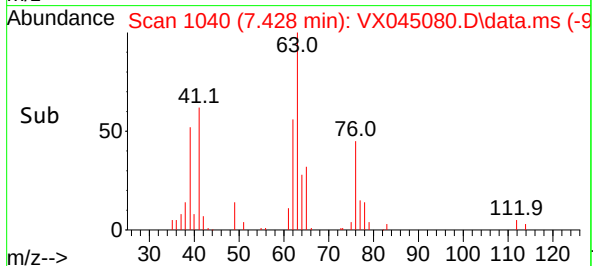
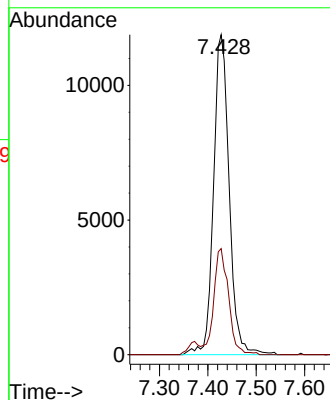
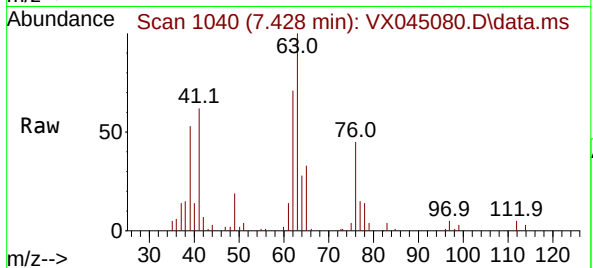
65 33.2 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#46

Dibromomethane

Concen: 18.949 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

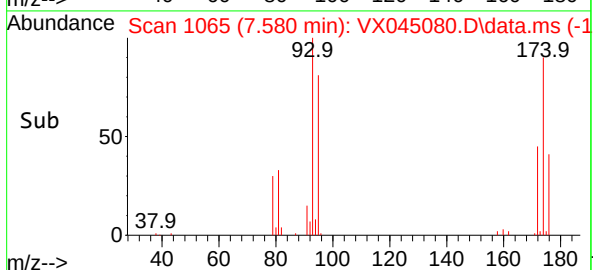
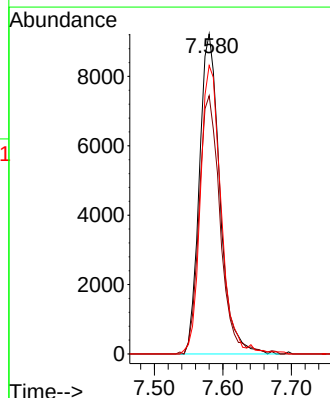
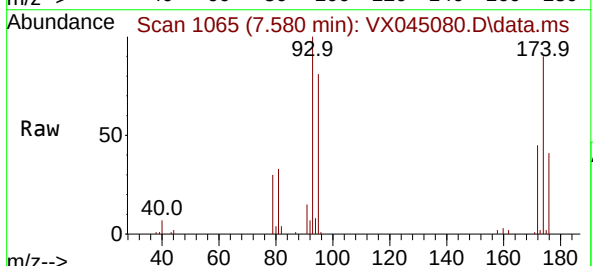
Tgt Ion: 93 Resp: 19218

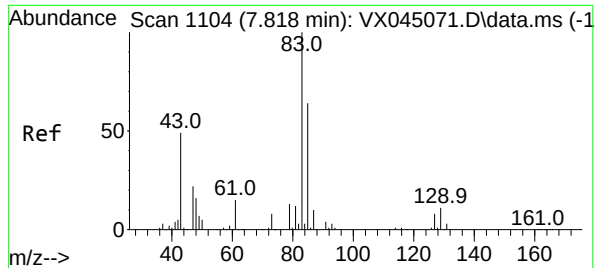
Ion Ratio Lower Upper

93 100

95 83.0 65.8 98.8

174 91.1 72.2 108.2





#47

Bromodichloromethane

Concen: 18.624 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 83 Resp: 3704

Ion Ratio Lower Upper

83 100

85 64.9 51.1 76.7

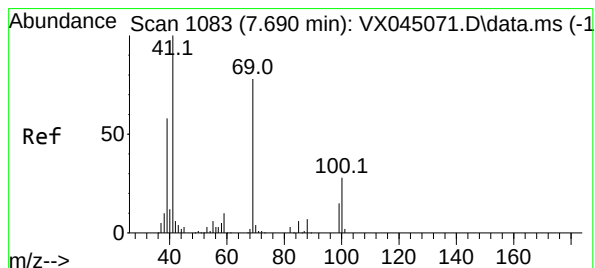
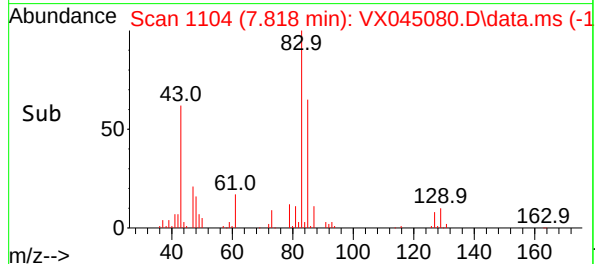
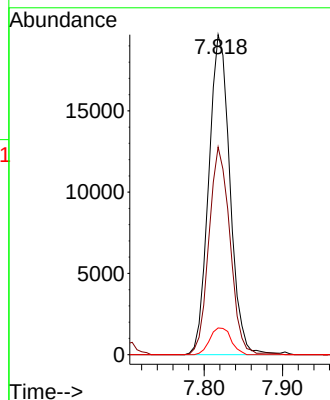
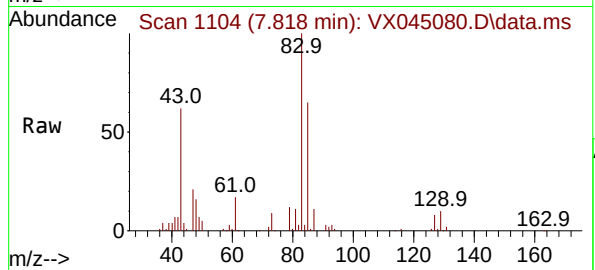
127 8.4 6.4 9.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#48

Methyl methacrylate

Concen: 18.322 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

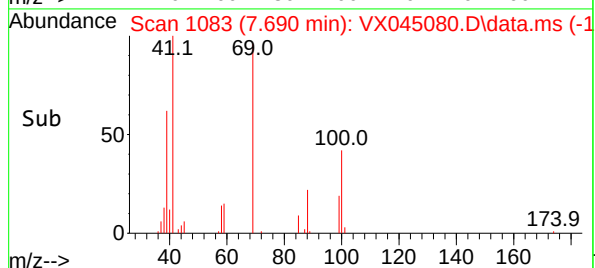
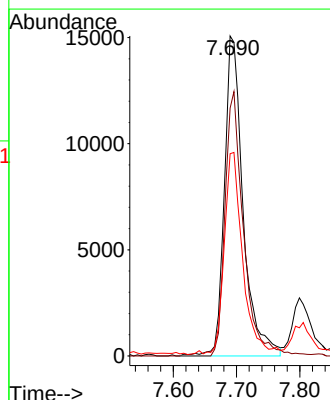
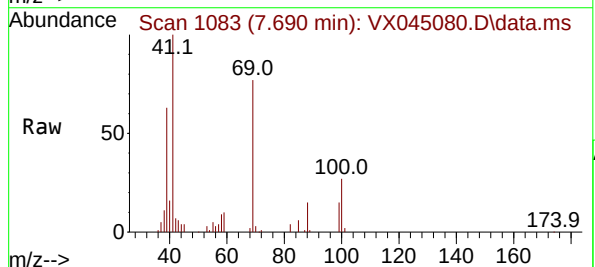
Tgt Ion: 41 Resp: 30953

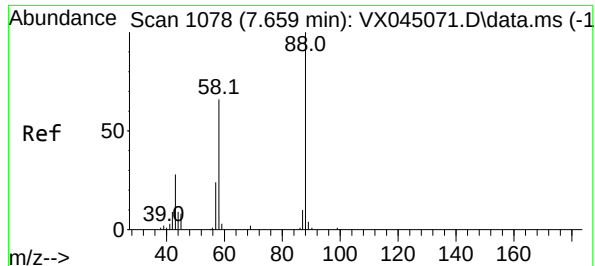
Ion Ratio Lower Upper

41 100

69 81.4 63.0 94.6

39 61.0 47.5 71.3





#49

1,4-Dioxane

Concen: 369.225 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

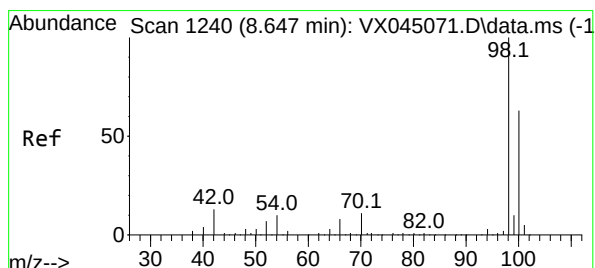
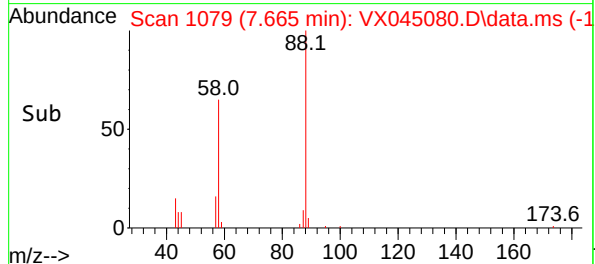
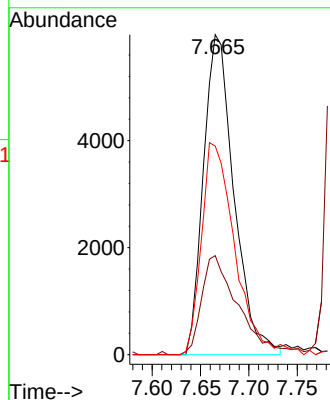
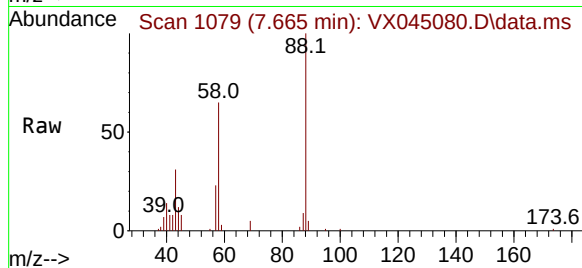
Tgt Ion:	88	Resp:	1315
Ion Ratio	Lower	Upper	
88	100		
43	37.1	28.7	43.1
58	72.5	55.8	83.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#50

Toluene-d8

Concen: 50.059 ug/l

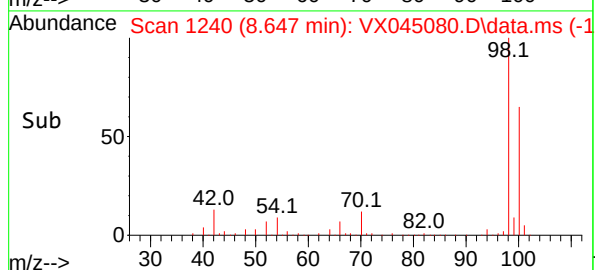
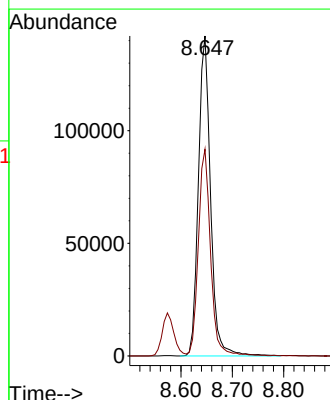
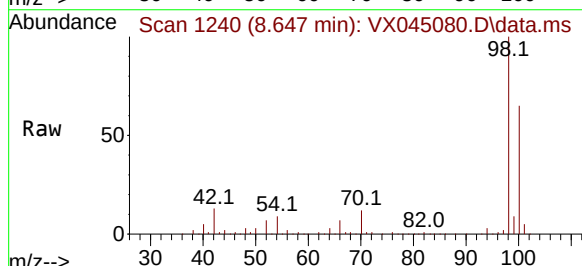
RT: 8.647 min Scan# 1240

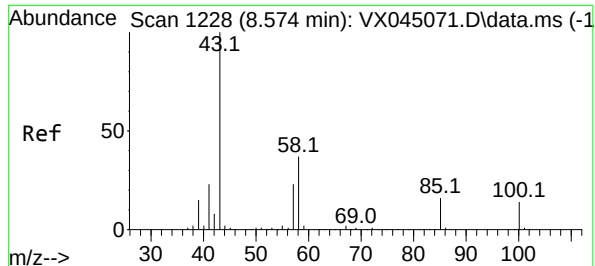
Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Tgt Ion:	98	Resp:	233874
Ion Ratio	Lower	Upper	
98	100		
100	64.6	52.0	78.0





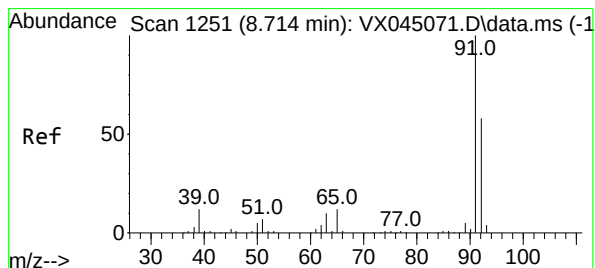
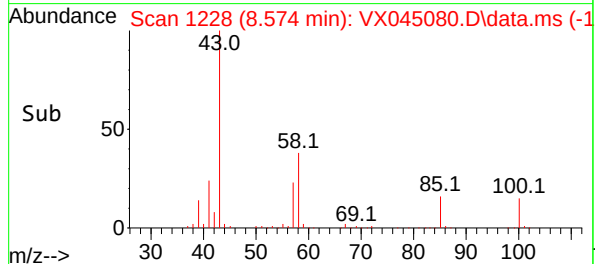
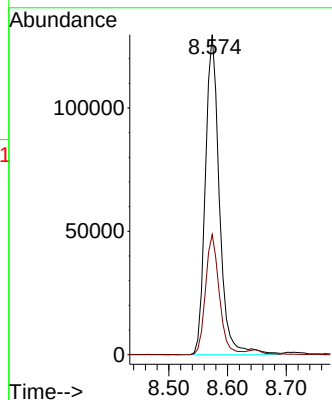
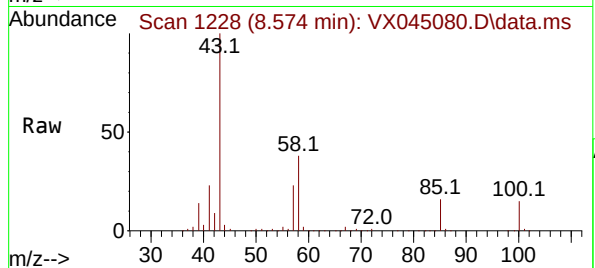
#51
4-Methyl-2-Pentanone
Concen: 95.598 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion: 43 Resp: 21615
Ion Ratio Lower Upper
43 100
58 36.8 29.2 43.8

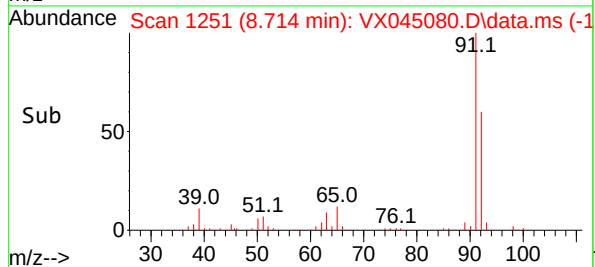
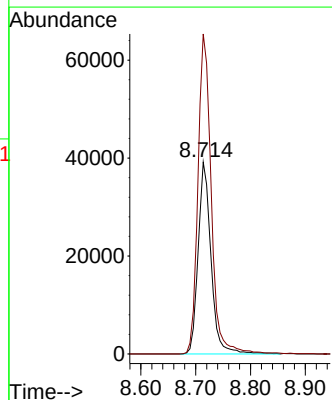
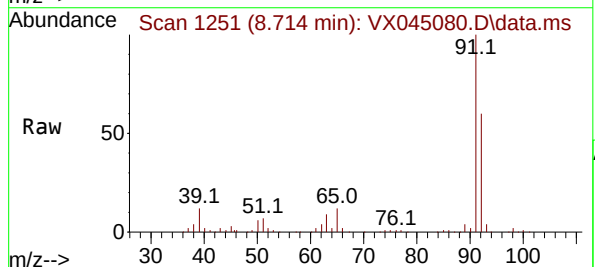
Manual Integrations
APPROVED

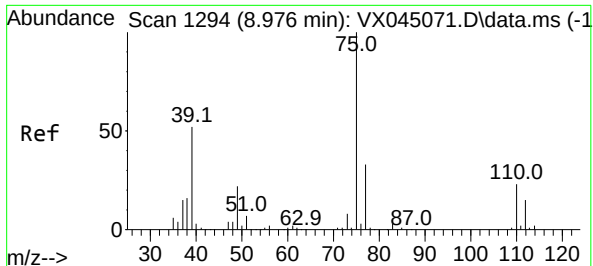
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025



#52
Toluene
Concen: 19.628 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 92 Resp: 64270
Ion Ratio Lower Upper
92 100
91 171.4 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 19.479 ug/l

RT: 8.976 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 75 Resp: 3239

Ion Ratio Lower Upper

75 100

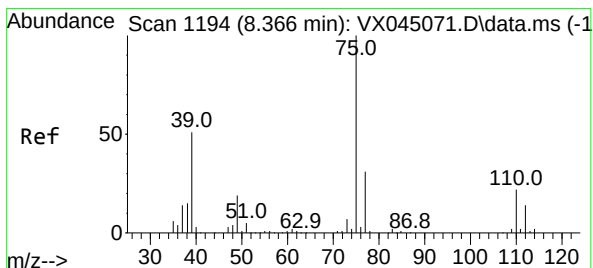
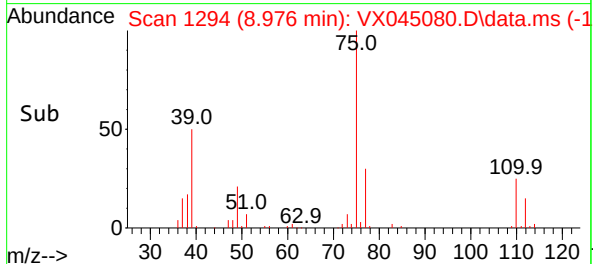
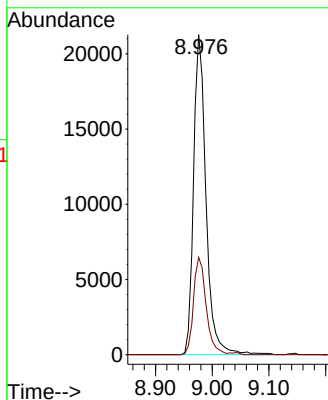
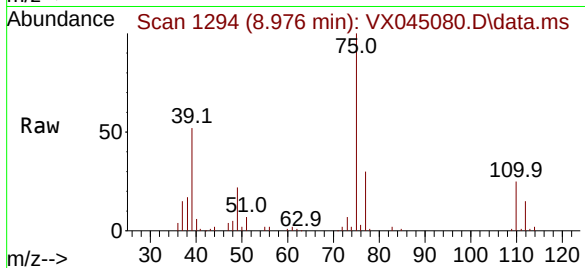
77 30.4 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#54

cis-1,3-Dichloropropene

Concen: 19.970 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

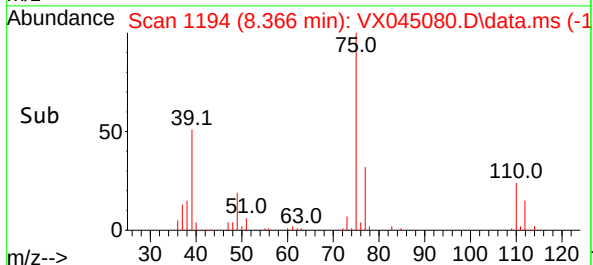
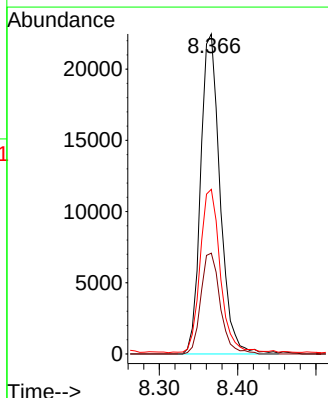
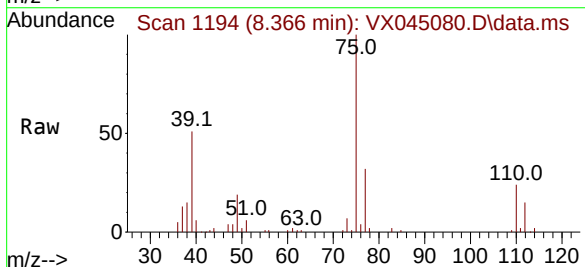
Tgt Ion: 75 Resp: 38727

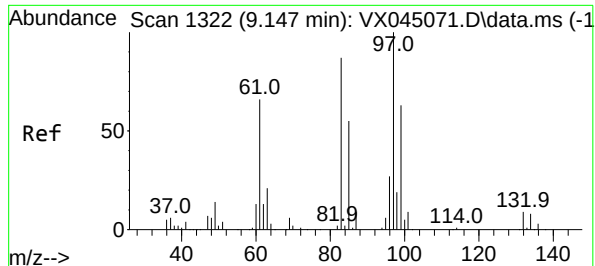
Ion Ratio Lower Upper

75 100

77 31.5 24.7 37.1

39 50.9 40.7 61.1





#55

1,1,2-Trichloroethane

Concen: 19.074 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.006 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 97 Resp: 2571

Ion Ratio Lower Upper

97 100

83 83.1 69.4 104.2

85 55.2 44.1 66.1

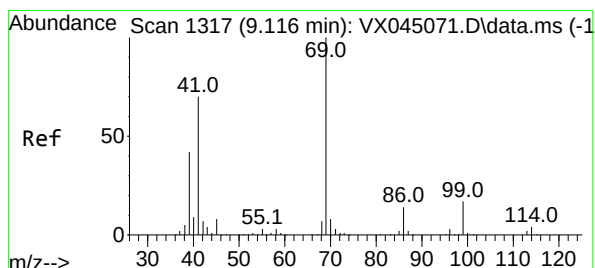
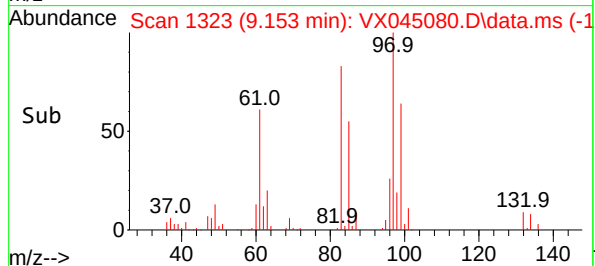
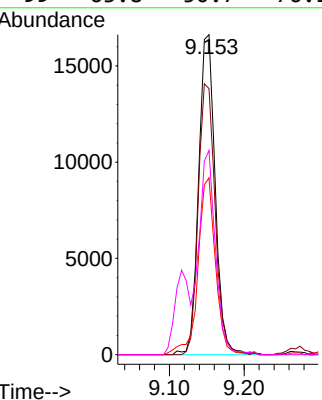
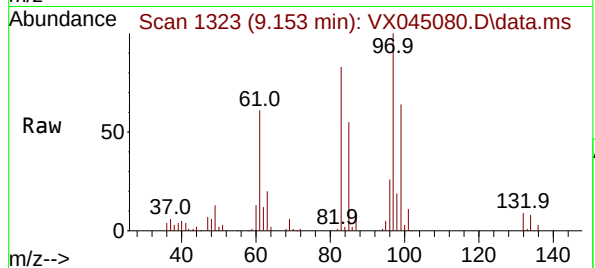
99 63.8 50.7 76.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#56

Ethyl methacrylate

Concen: 18.857 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

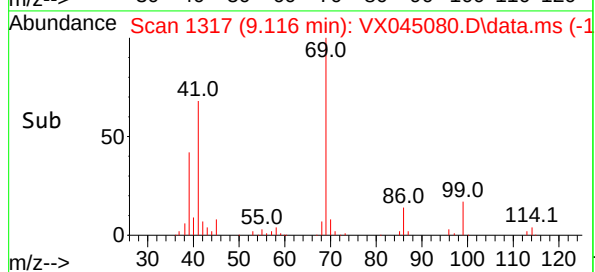
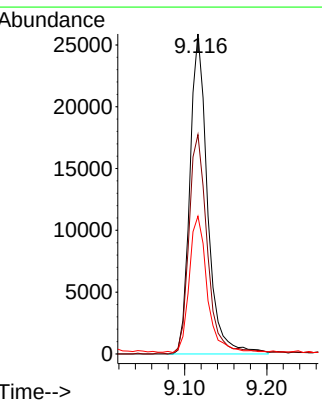
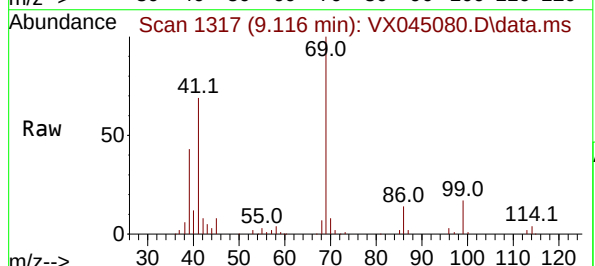
Tgt Ion: 69 Resp: 38638

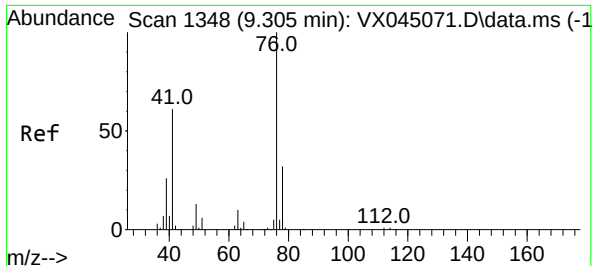
Ion Ratio Lower Upper

69 100

41 72.4 57.0 85.4

39 43.0 34.2 51.4





#57

1,3-Dichloropropane

Concen: 18.881 ug/l

RT: 9.305 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 76 Resp: 4404

Ion Ratio Lower Upper

76 100

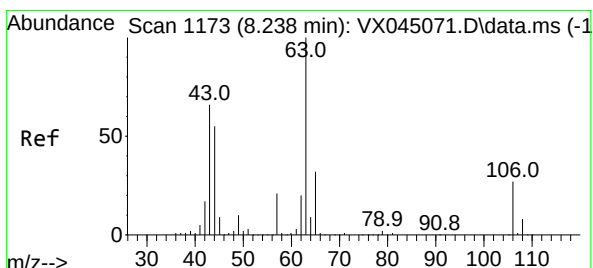
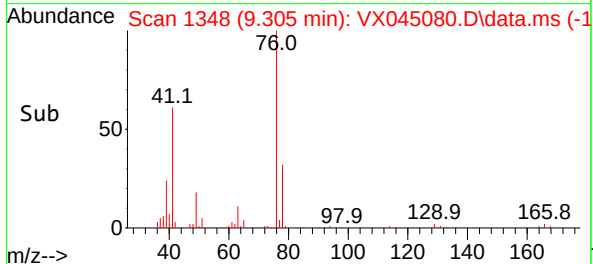
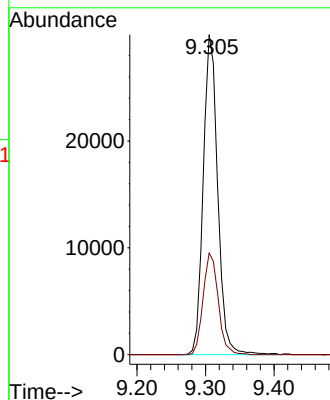
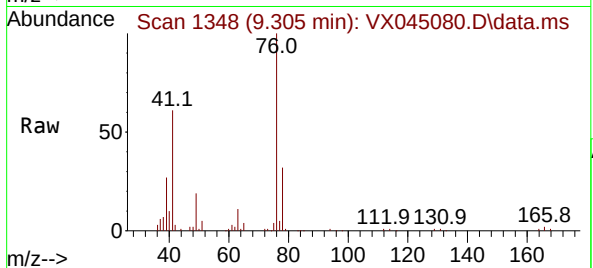
78 33.2 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#58

2-Chloroethyl Vinyl ether

Concen: 100.039 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX045080.D

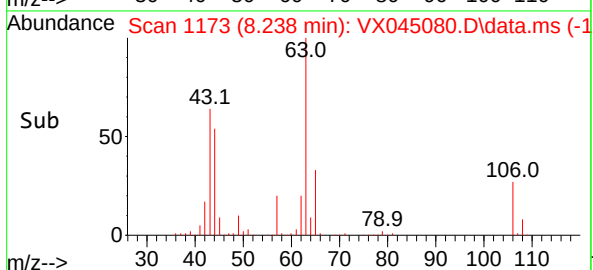
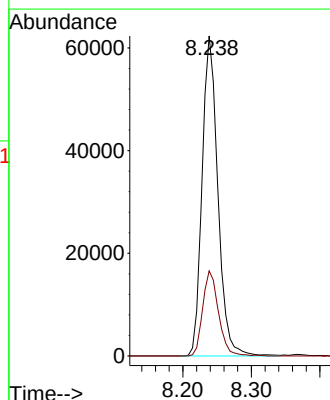
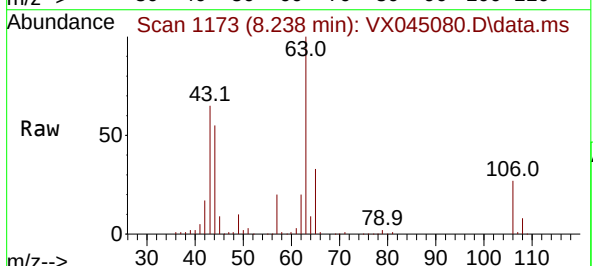
Acq: 28 Feb 2025 11:46

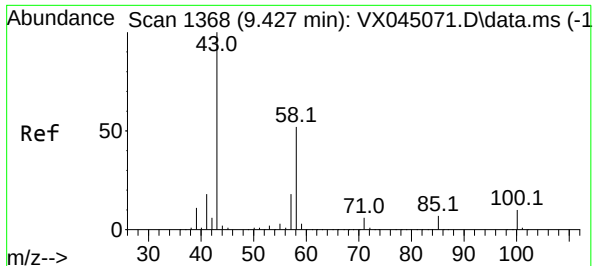
Tgt Ion: 63 Resp: 99991

Ion Ratio Lower Upper

63 100

106 26.6 21.5 32.3





#59

2-Hexanone

Concen: 96.991 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 43 Resp: 158894

Ion Ratio Lower Upper

43 100

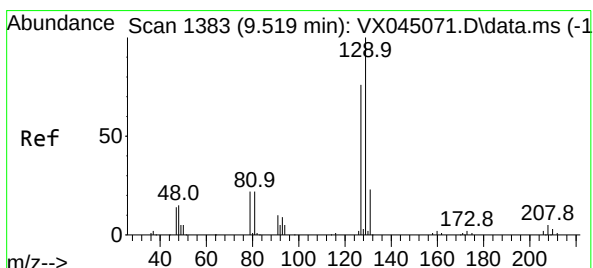
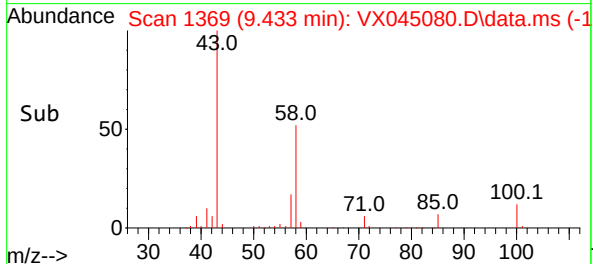
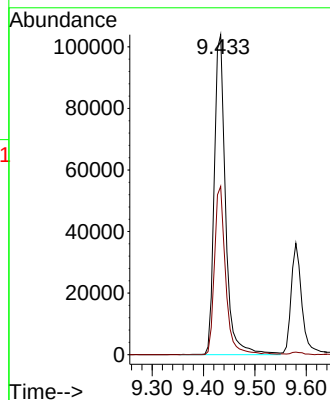
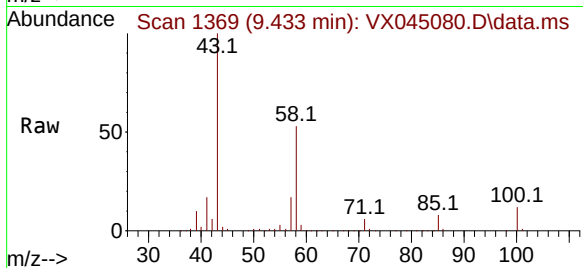
58 51.6 25.9 77.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#60

Dibromochloromethane

Concen: 18.475 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX045080.D

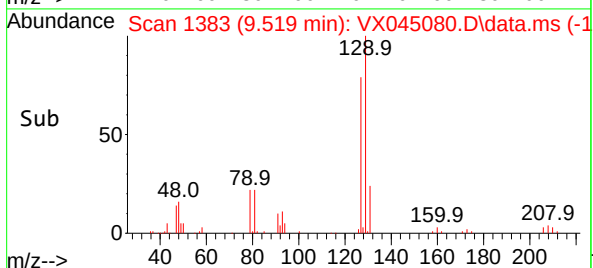
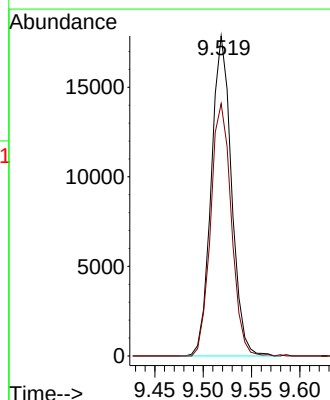
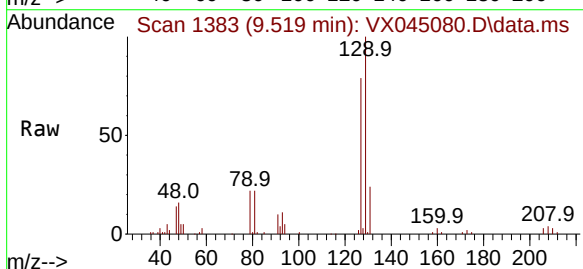
Acq: 28 Feb 2025 11:46

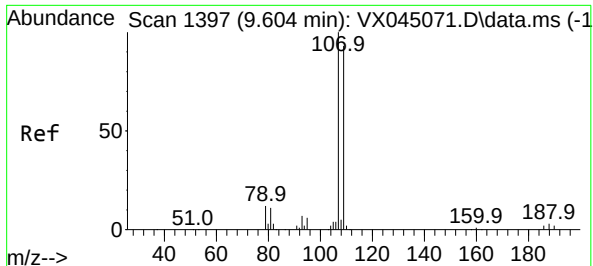
Tgt Ion:129 Resp: 26039

Ion Ratio Lower Upper

129 100

127 80.3 38.5 115.5





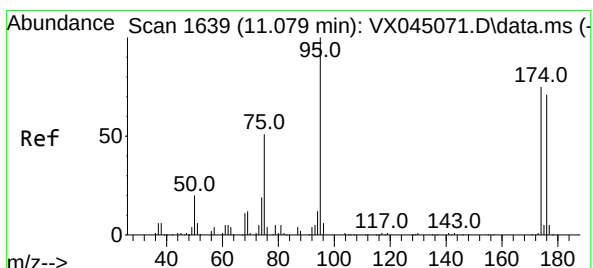
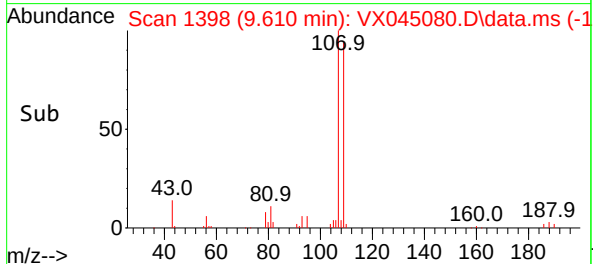
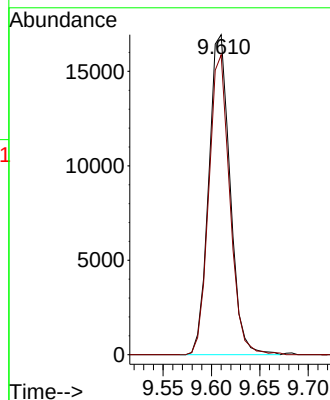
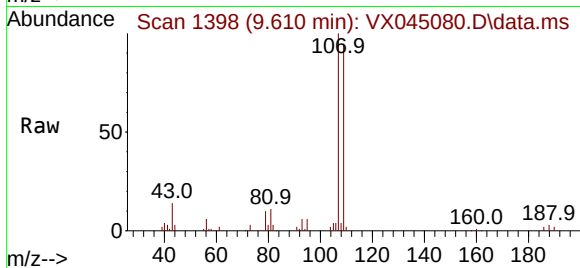
#61
1,2-Dibromoethane
Concen: 19.303 ug/l
RT: 9.610 min Scan# 1397
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion:107 Resp: 25970
Ion Ratio Lower Upper
107 100
109 92.2 76.1 114.1

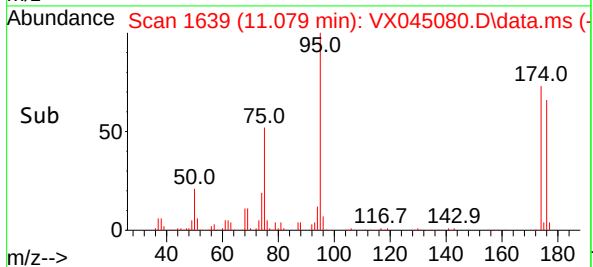
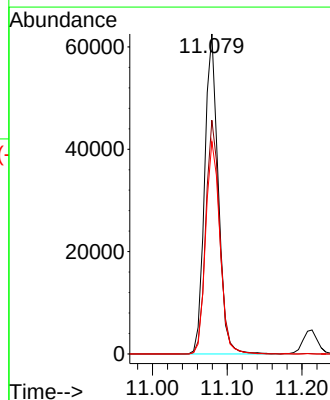
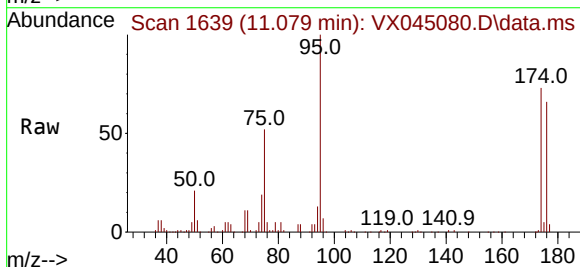
Manual Integrations
APPROVED

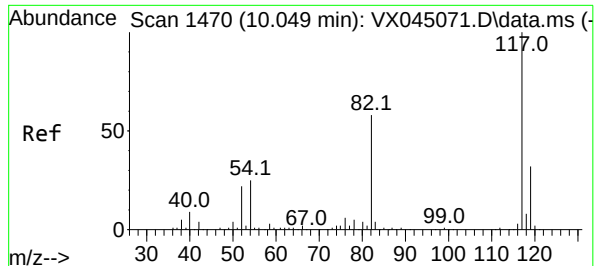
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025



#62
4-Bromofluorobenzene
Concen: 51.005 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 95 Resp: 78964
Ion Ratio Lower Upper
95 100
174 74.9 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: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

Tgt Ion:117 Resp: 169474

Ion Ratio Lower Upper

117 100

82 60.4 46.3 69.5

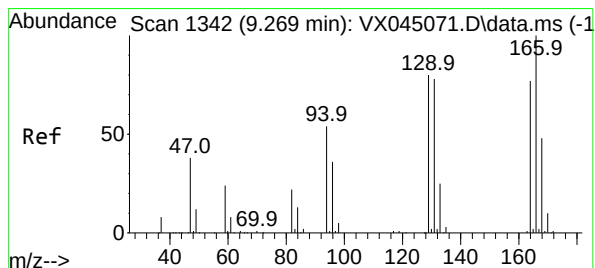
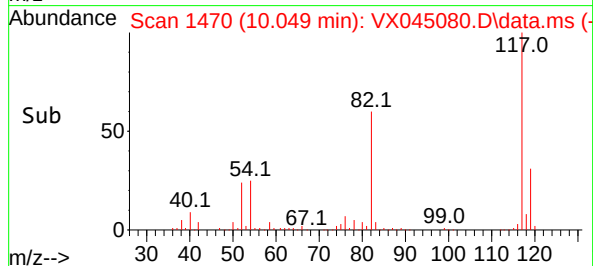
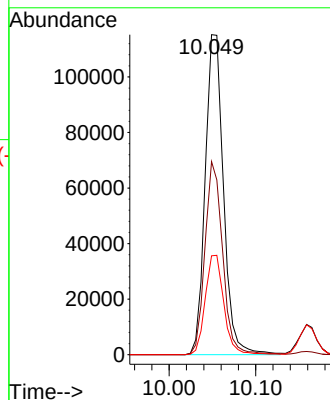
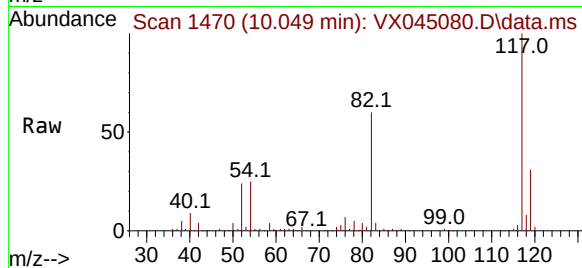
119 30.9 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#64

Tetrachloroethene

Concen: 19.012 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Tgt Ion:164 Resp: 20636

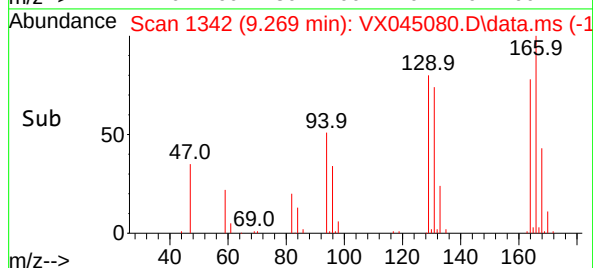
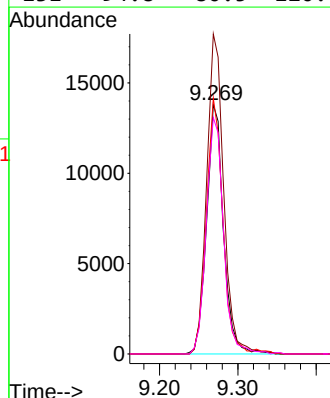
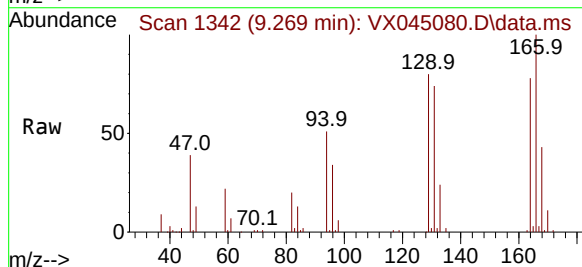
Ion Ratio Lower Upper

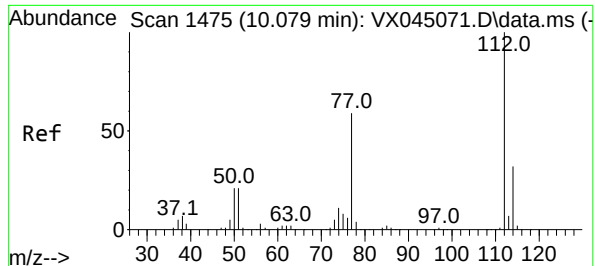
164 100

166 128.4 103.6 155.4

129 102.7 82.7 124.1

131 94.8 80.5 120.7





#65

Chlorobenzene

Concen: 19.571 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

Tgt Ion:112 Resp: 7018

Ion Ratio Lower Upper

112 100

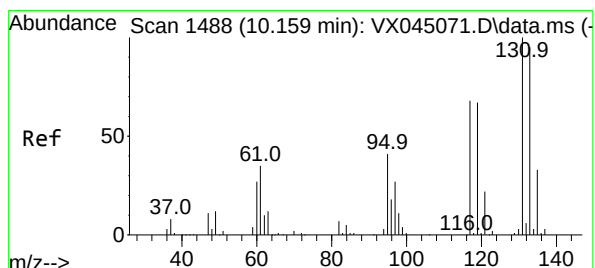
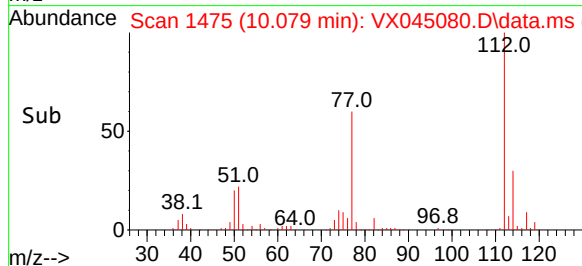
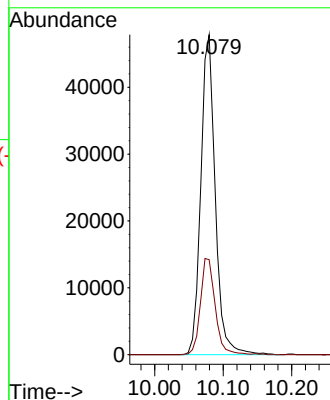
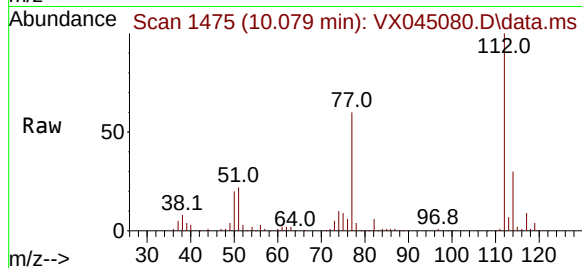
114 29.7 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 18.381 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

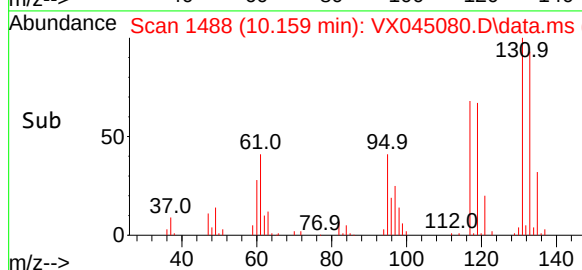
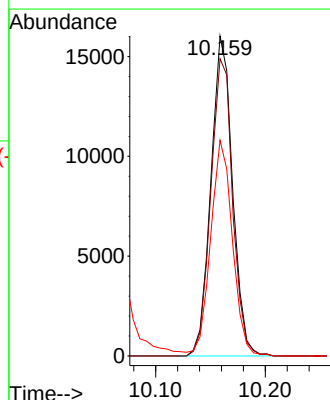
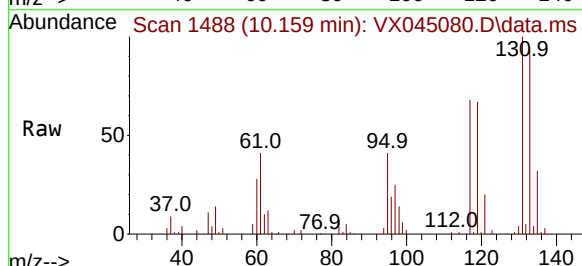
Tgt Ion:131 Resp: 21951

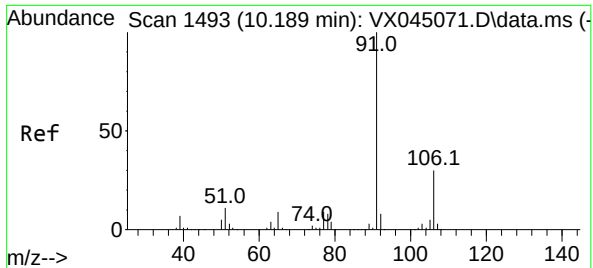
Ion Ratio Lower Upper

131 100

133 93.9 48.6 145.9

119 67.9 33.9 101.7





#67

Ethyl Benzene

Concen: 19.418 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 91 Resp: 12133

Ion Ratio Lower Upper

91 100

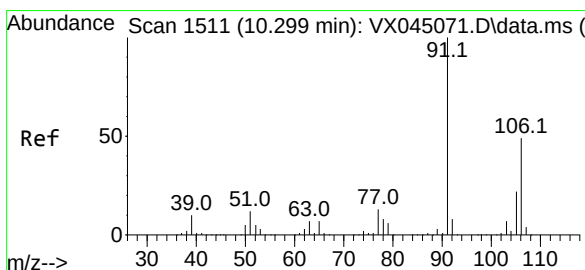
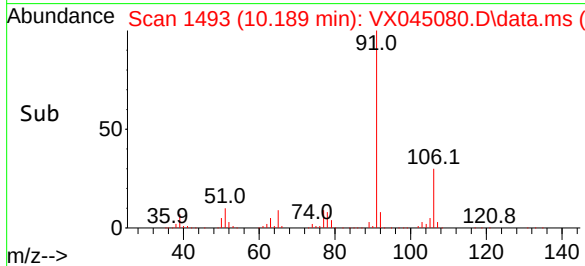
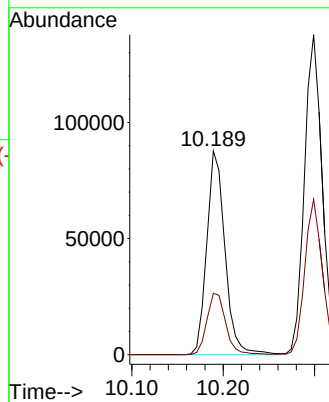
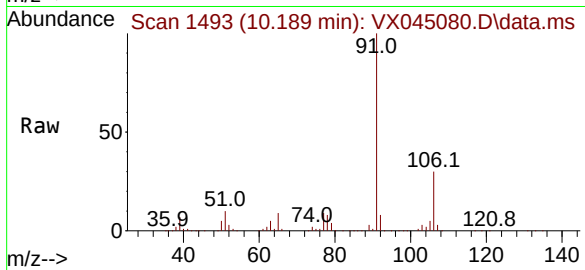
106 30.1 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#68

m/p-Xylenes

Concen: 40.136 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX045080.D

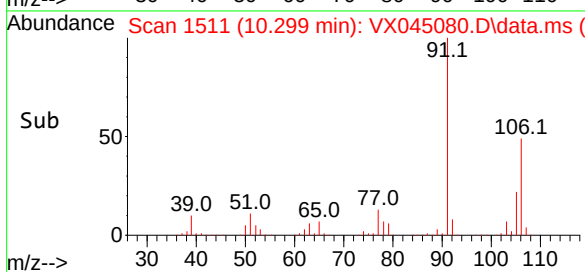
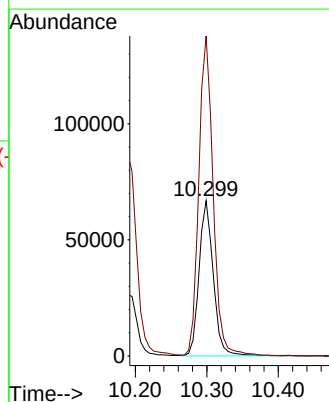
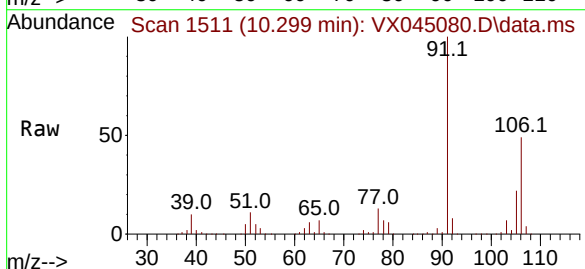
Acq: 28 Feb 2025 11:46

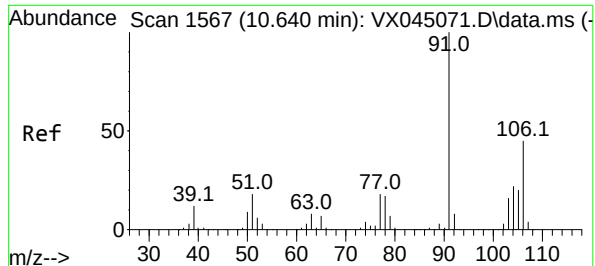
Tgt Ion:106 Resp: 91808

Ion Ratio Lower Upper

106 100

91 208.5 165.4 248.0





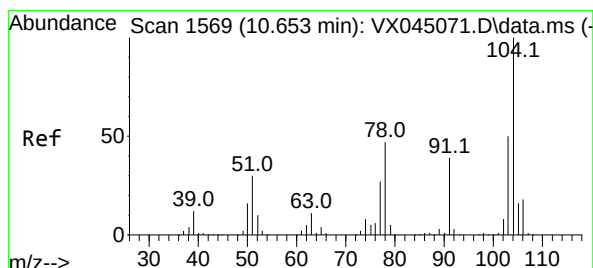
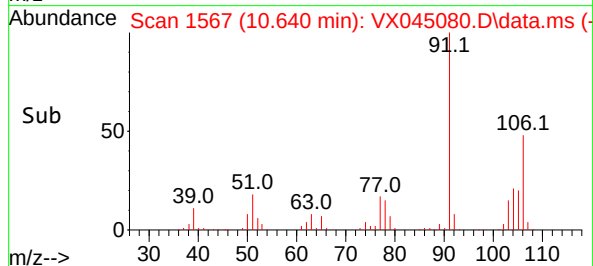
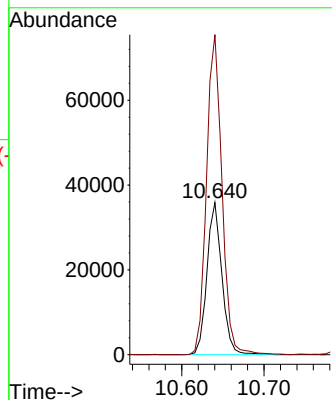
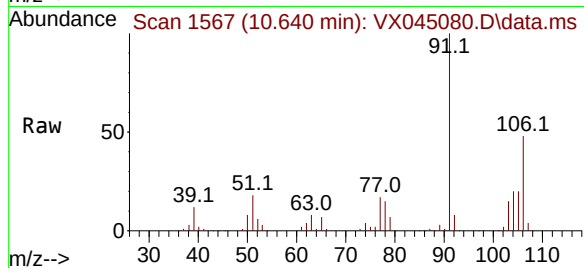
#69
o-Xylene
Concen: 19.659 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion:106 Resp: 45354
Ion Ratio Lower Upper
106 100
91 217.3 109.9 329.6

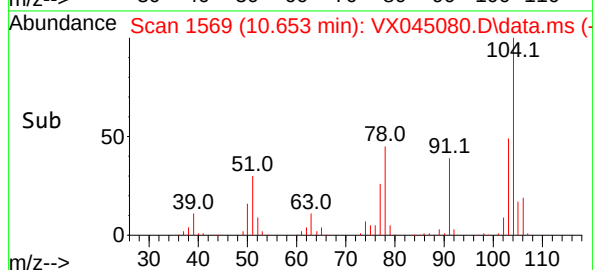
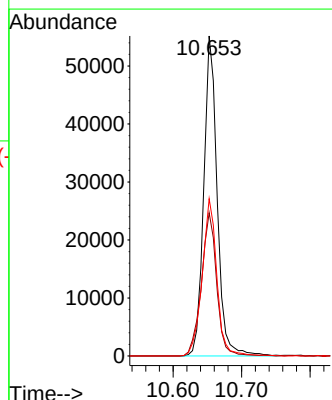
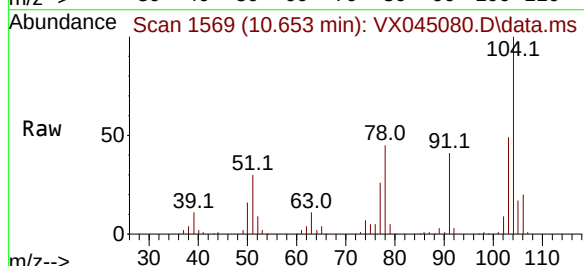
Manual Integrations
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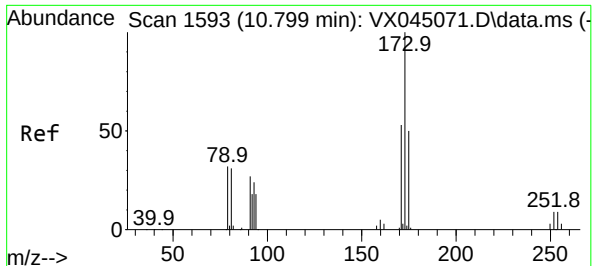
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025



#70
Styrene
Concen: 20.230 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:104 Resp: 75515
Ion Ratio Lower Upper
104 100
78 50.7 42.2 63.4
103 53.7 43.8 65.8





#71

Bromoform

Concen: 18.196 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

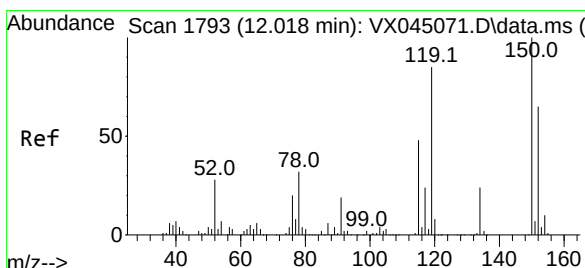
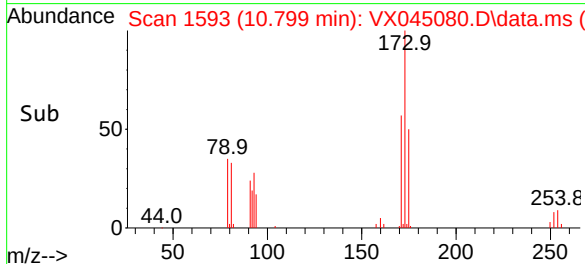
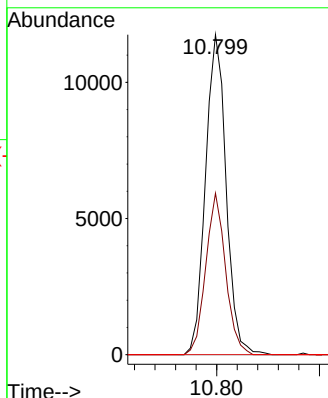
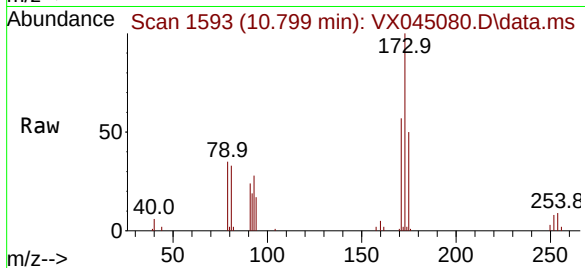
Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

Tgt Ion:173	Resp:	16380	
Ion Ratio	Lower	Upper	
173	100		
175	48.7	24.6	73.6
254	0.0	0.0	0.0

Manual Integrations
APPROVEDReviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025

#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

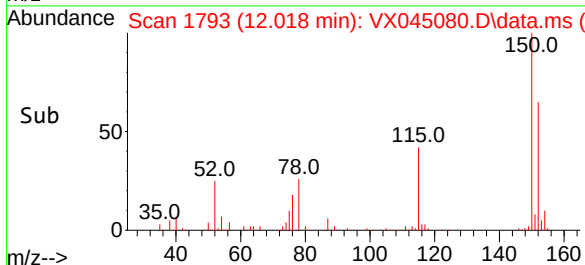
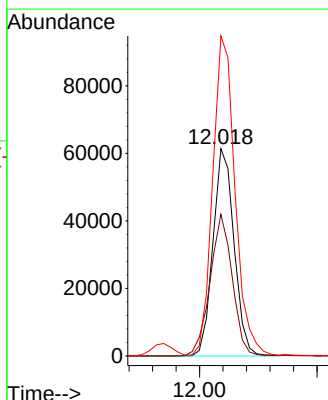
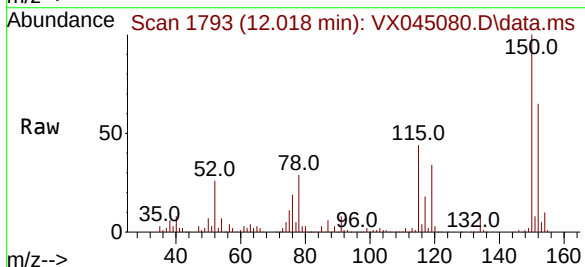
RT: 12.018 min Scan# 1793

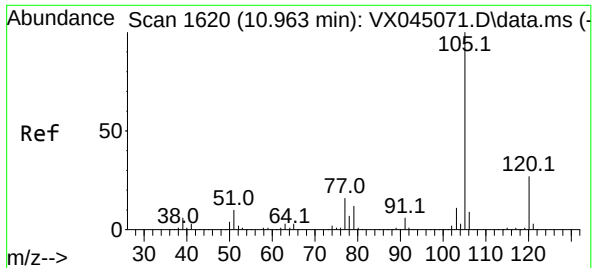
Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Tgt Ion:152	Resp:	76472	
Ion Ratio	Lower	Upper	
152	100		
115	71.9	44.2	132.6
150	163.9	0.0	349.0





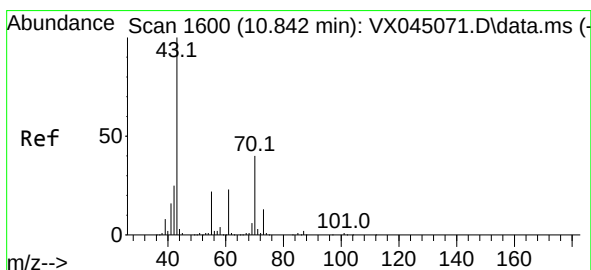
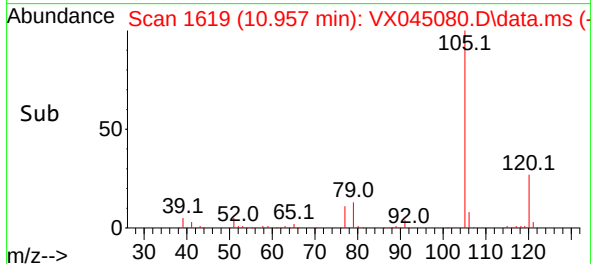
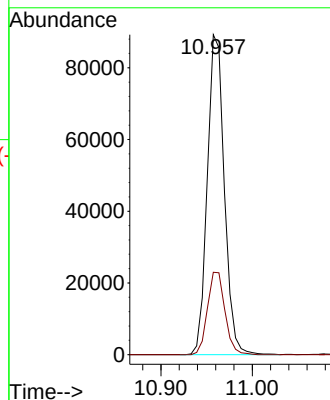
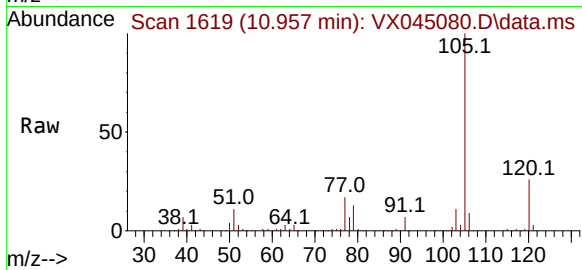
#73
Isopropylbenzene
Concen: 19.389 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion:105 Resp: 11573
Ion Ratio Lower Upper
105 100
120 26.5 13.2 39.5

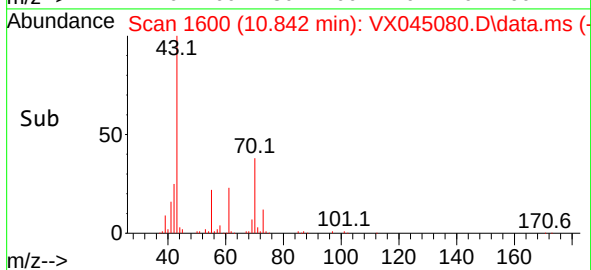
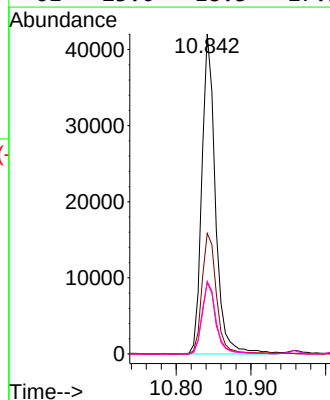
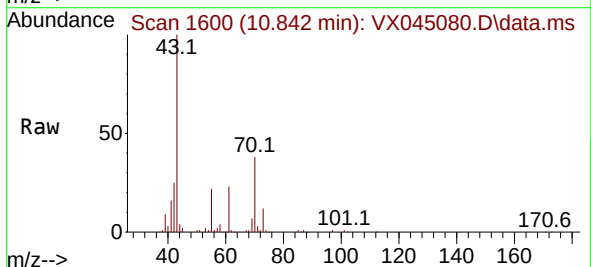
Manual Integrations
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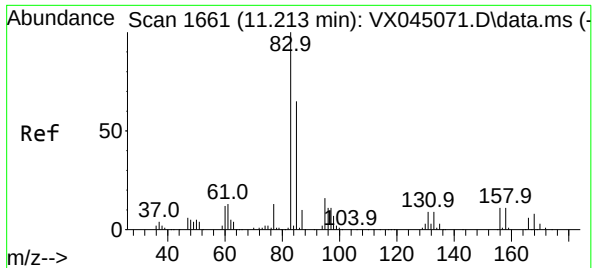
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025



#74
N-ethyl acetate
Concen: 18.981 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 43 Resp: 53161
Ion Ratio Lower Upper
43 100
70 40.0 31.8 47.6
55 23.0 18.3 27.5
61 23.0 18.3 27.5





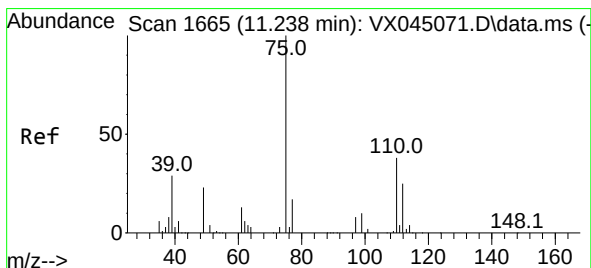
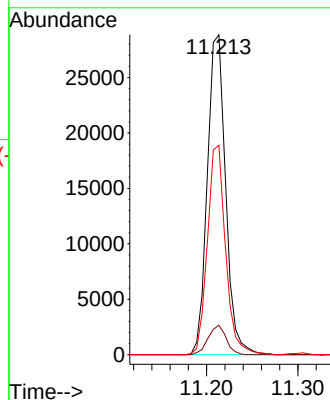
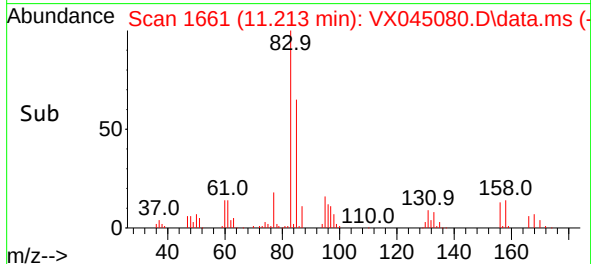
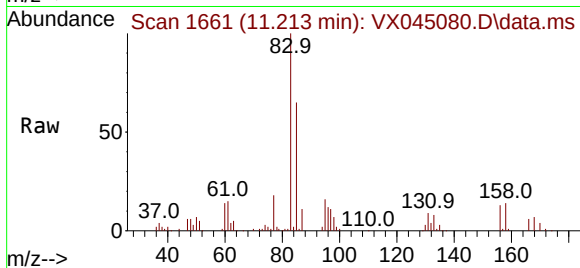
#75
1,1,2,2-Tetrachloroethane
Concen: 18.311 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.4
85	64.9	31.7	95.1

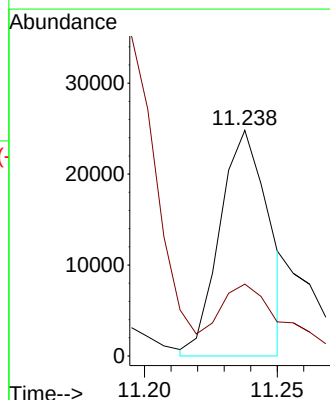
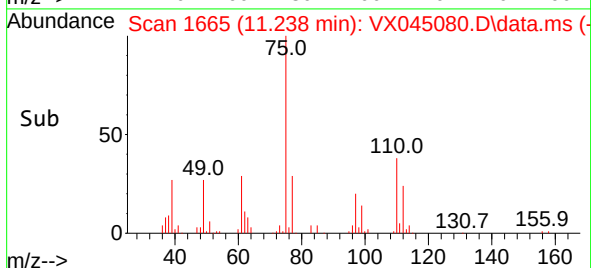
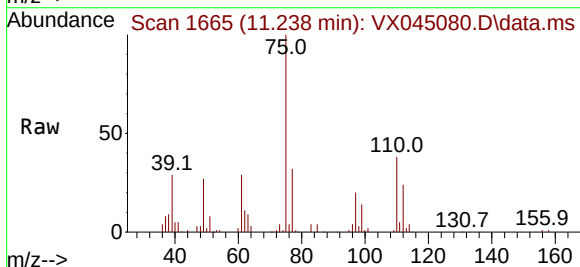
Manual Integrations
APPROVED

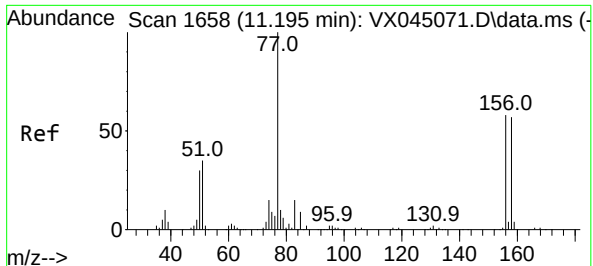
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025



#76
1,2,3-Trichloropropane
Concen: 17.847 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	42.6	20.7	62.1





#77

Bromobenzene

Concen: 19.058 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

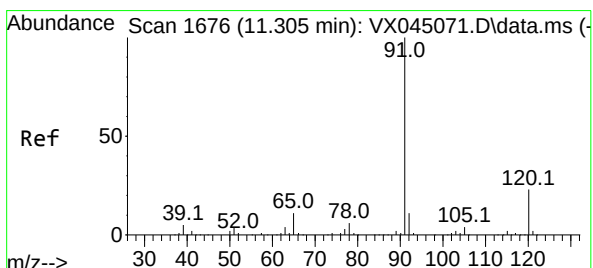
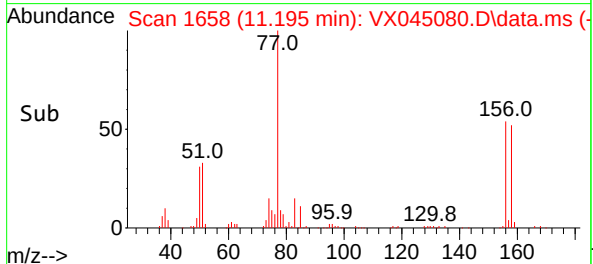
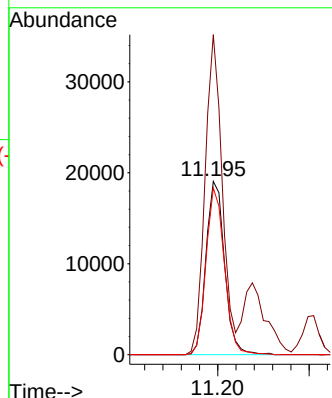
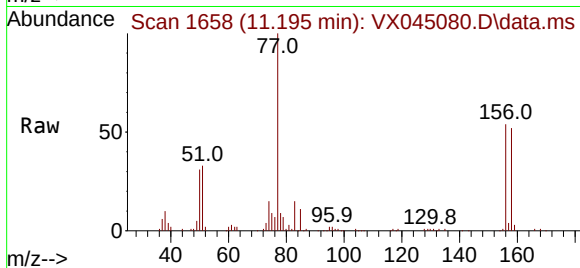
VX0228WBS01

Tgt Ion:	156	Resp:	26840
Ion Ratio	Lower	Upper	
156	100		
77	170.0	85.8	257.4
158	95.1	48.4	145.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#78

n-propylbenzene

Concen: 20.023 ug/l

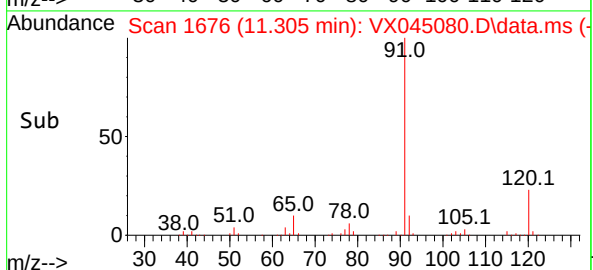
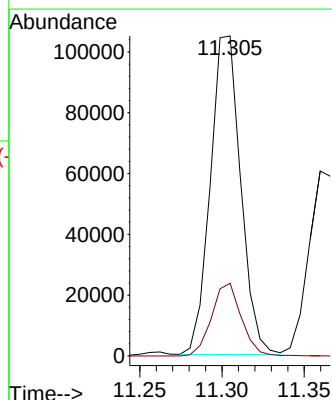
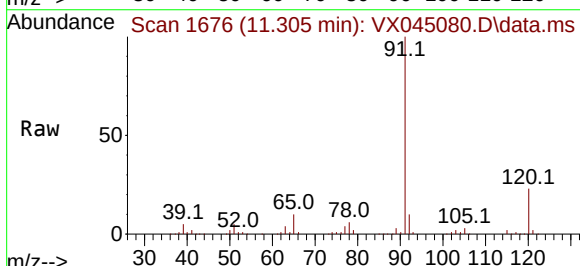
RT: 11.305 min Scan# 1676

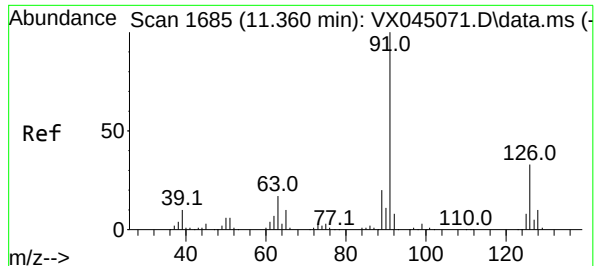
Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Tgt Ion:	91	Resp:	135011
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.2	33.6





#79

2-Chlorotoluene

Concen: 18.869 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 91 Resp: 81029

Ion Ratio Lower Upper

91 100

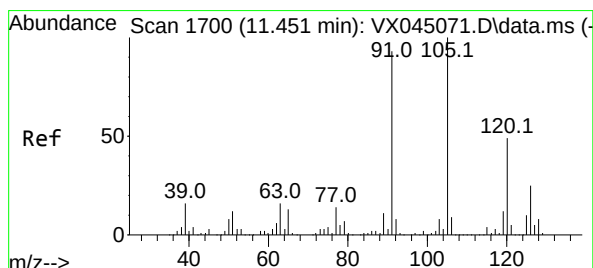
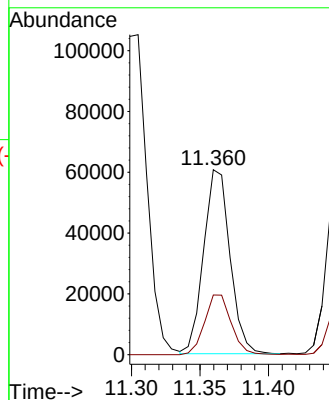
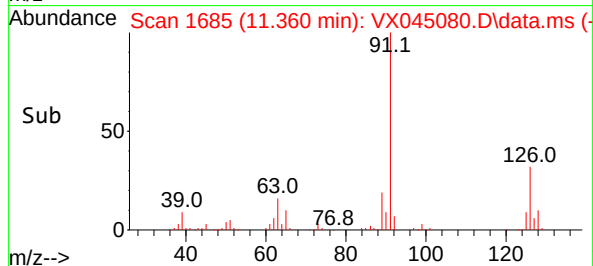
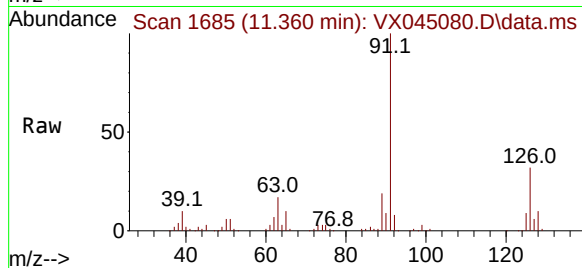
126 32.9 16.4 49.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#80

1,3,5-Trimethylbenzene

Concen: 20.095 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX045080.D

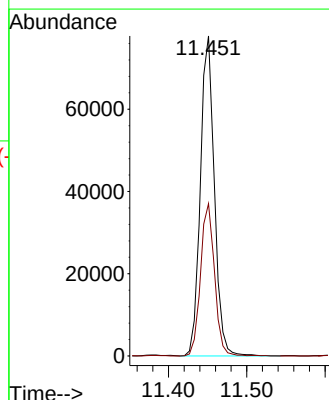
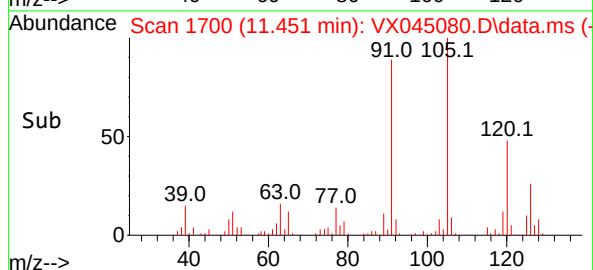
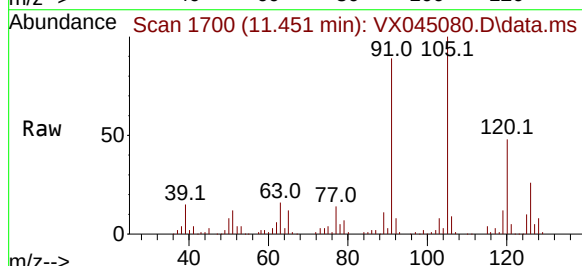
Acq: 28 Feb 2025 11:46

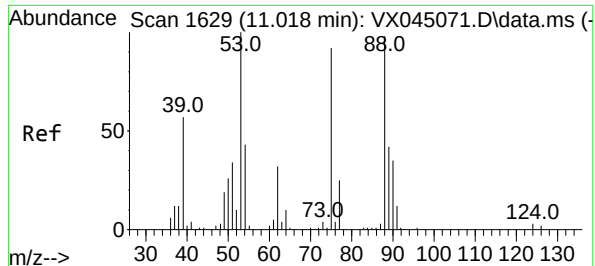
Tgt Ion:105 Resp: 96986

Ion Ratio Lower Upper

105 100

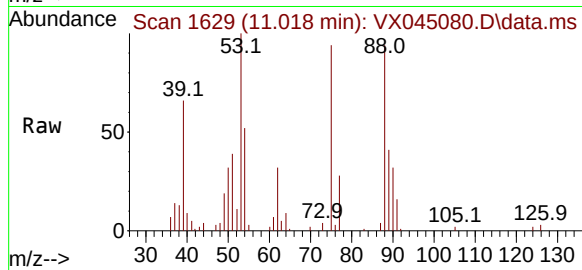
120 47.5 24.1 72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 17.808 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

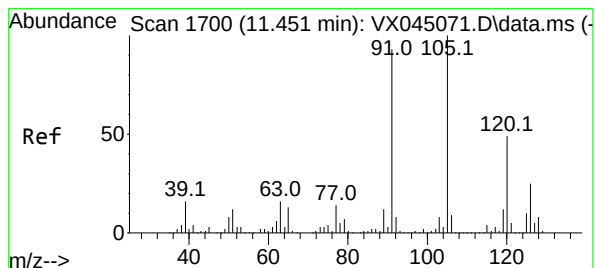
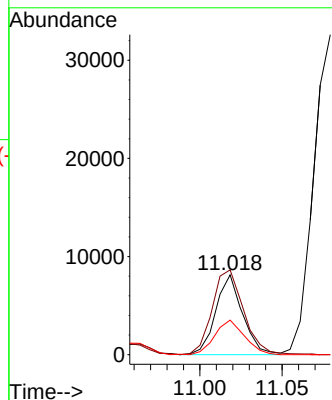
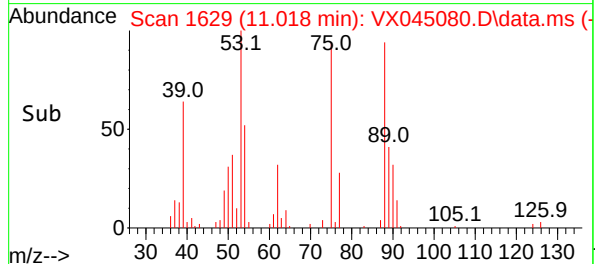
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01



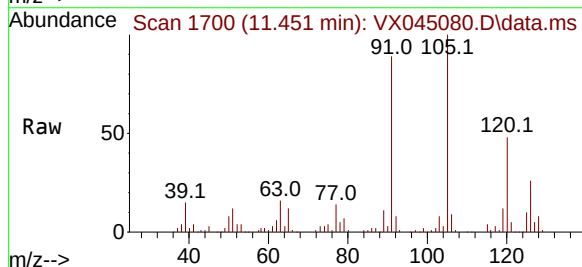
Tgt Ion: 75 Resp: 926
Ion Ratio Lower Upper
75 100
53 124.2 88.5 132.7
89 47.6 36.2 54.4

Manual Integrations
APPROVED

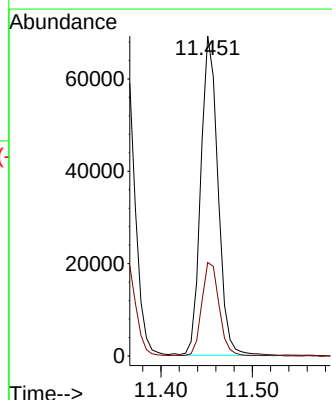
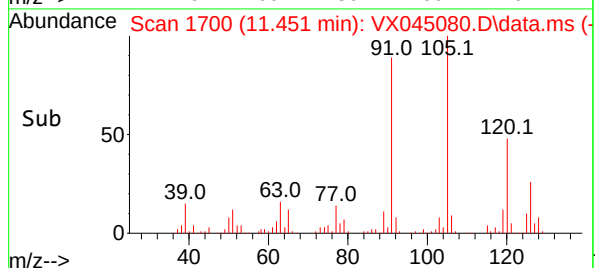
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025

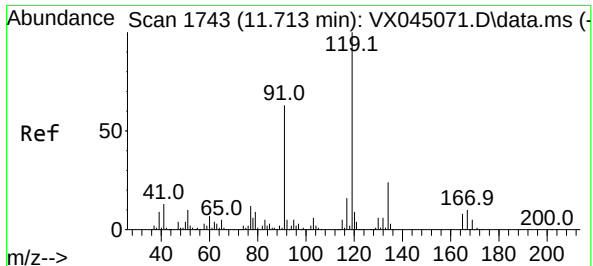


#82
4-Chlorotoluene
Concen: 19.254 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46



Tgt Ion: 91 Resp: 90109
Ion Ratio Lower Upper
91 100
126 29.5 14.1 42.4





#83

tert-Butylbenzene

Concen: 19.251 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

Tgt Ion:119 Resp: 9546

Ion Ratio Lower Upper

119 100

91 60.2 30.7 92.1

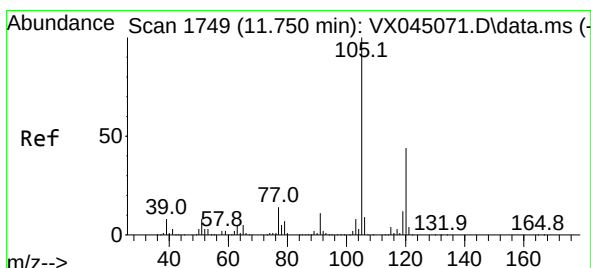
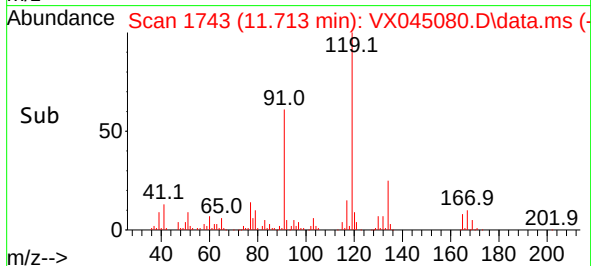
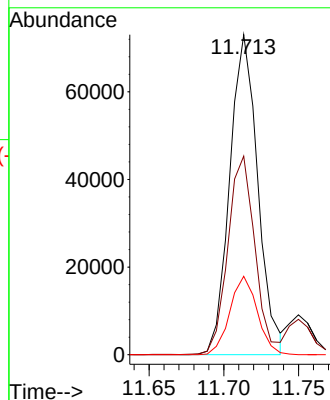
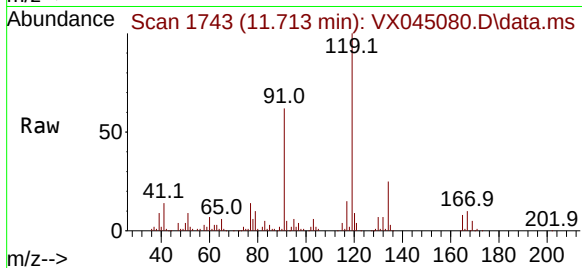
134 24.0 11.7 35.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#84

1,2,4-Trimethylbenzene

Concen: 19.618 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX045080.D

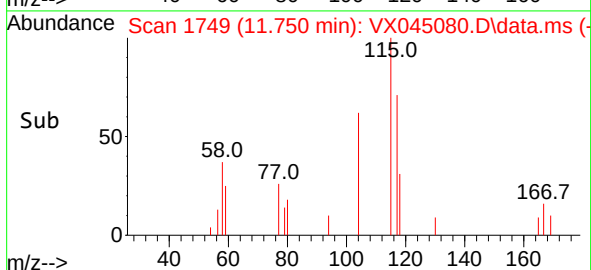
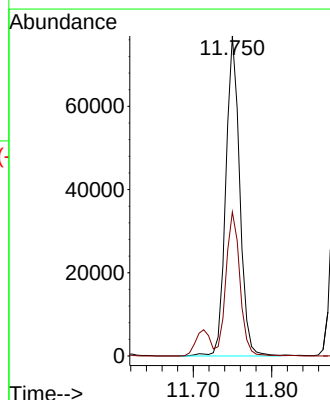
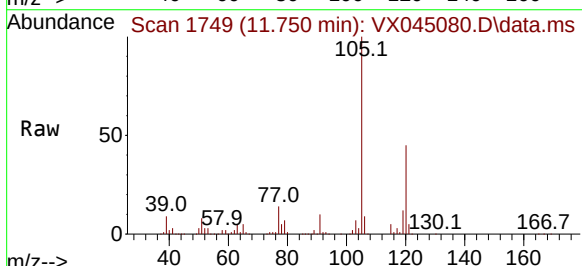
Acq: 28 Feb 2025 11:46

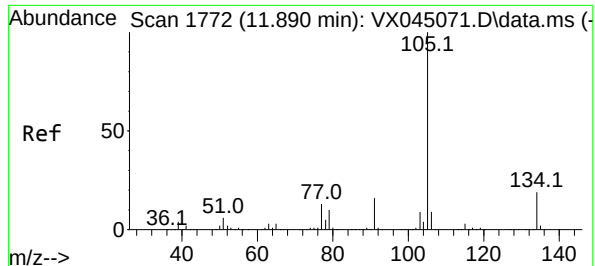
Tgt Ion:105 Resp: 95268

Ion Ratio Lower Upper

105 100

120 44.7 22.1 66.1





#85

sec-Butylbenzene

Concen: 19.930 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

Tgt Ion:105 Resp: 11838

Ion Ratio Lower Upper

105 100

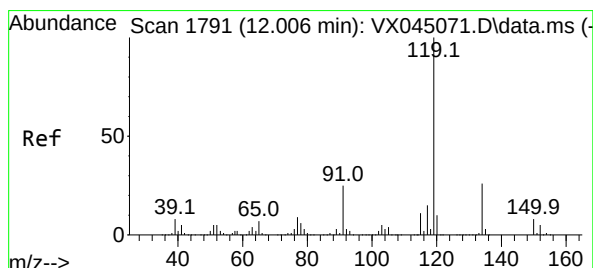
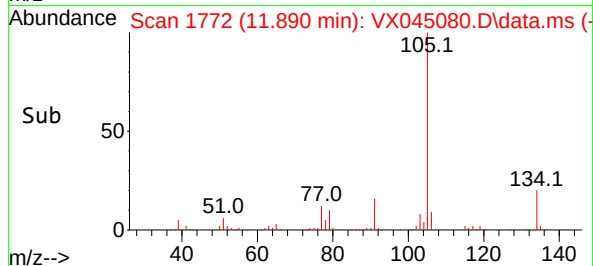
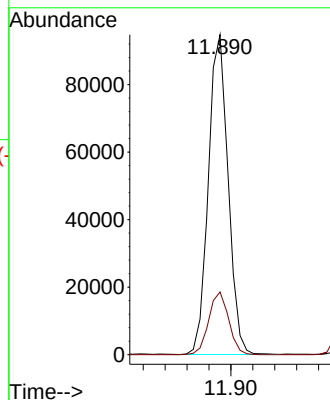
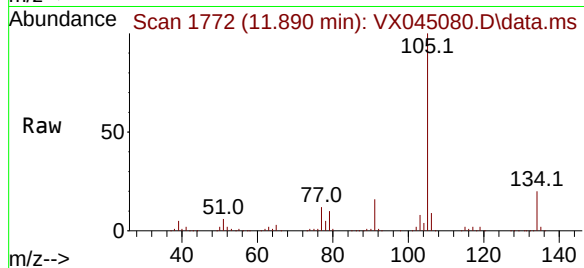
134 19.9 9.8 29.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#86

p-Isopropyltoluene

Concen: 20.363 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

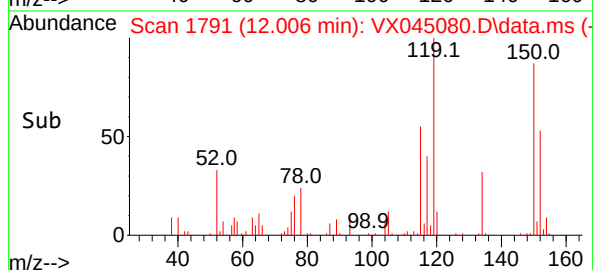
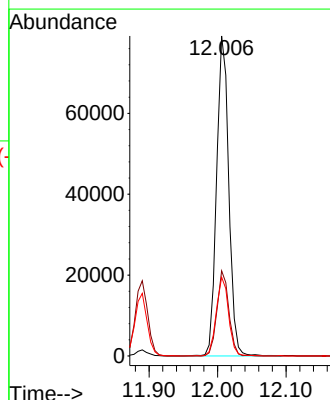
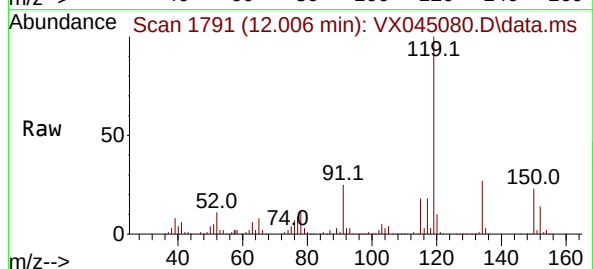
Tgt Ion:119 Resp: 97752

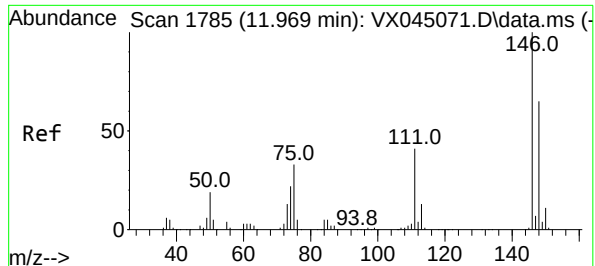
Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.6

91 25.0 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 19.459 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

Tgt Ion:146 Resp: 4888

Ion Ratio Lower Upper

146 100

111 41.2 21.1 63.4

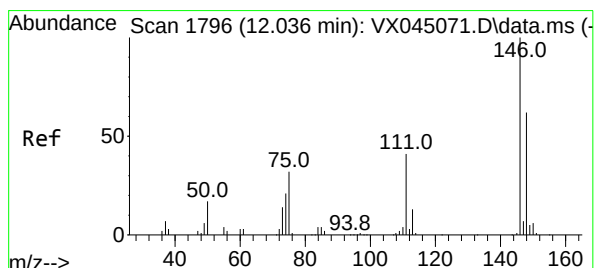
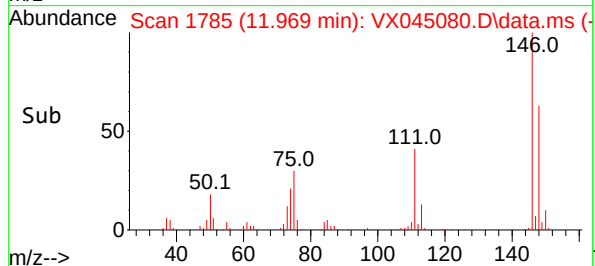
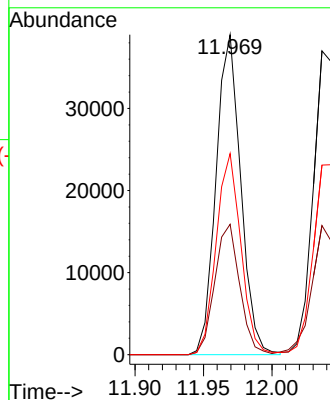
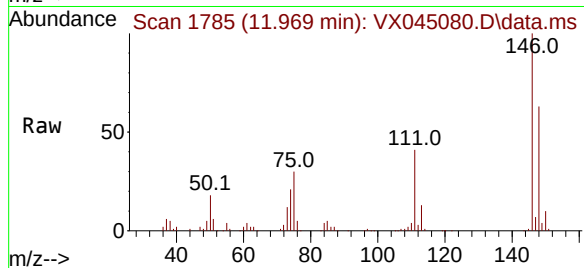
148 63.0 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#88

1,4-Dichlorobenzene

Concen: 19.373 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

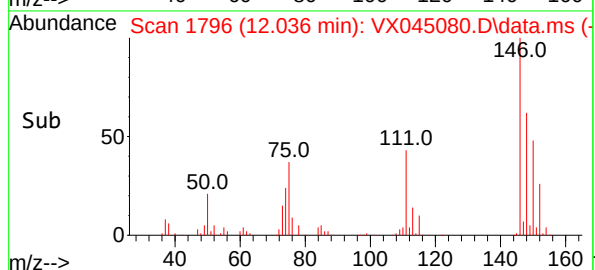
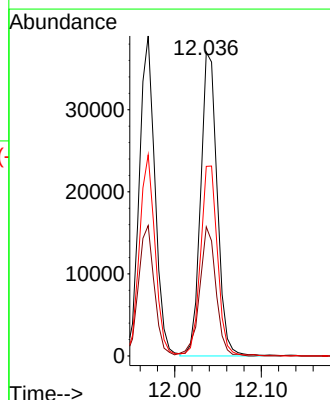
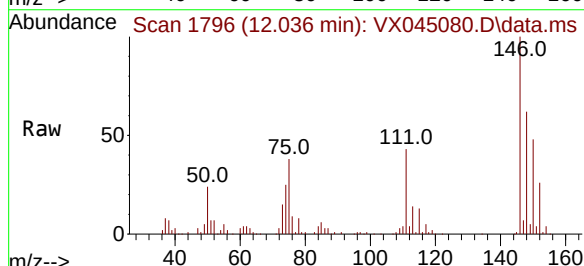
Tgt Ion:146 Resp: 49240

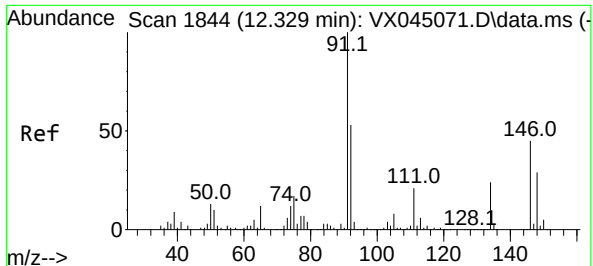
Ion Ratio Lower Upper

146 100

111 41.9 20.2 60.5

148 63.9 31.9 95.9





#89

n-Butylbenzene

Concen: 20.441 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 91 Resp: 8451

Ion Ratio Lower Upper

91 100

92 53.7 26.7 80.0

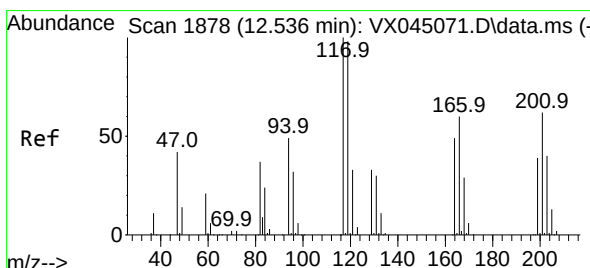
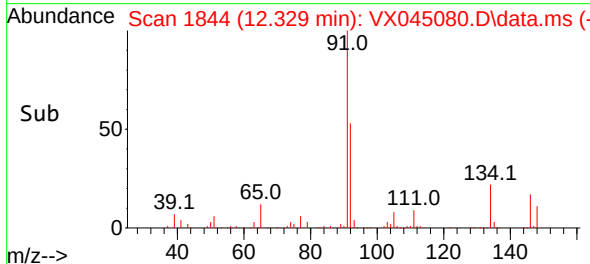
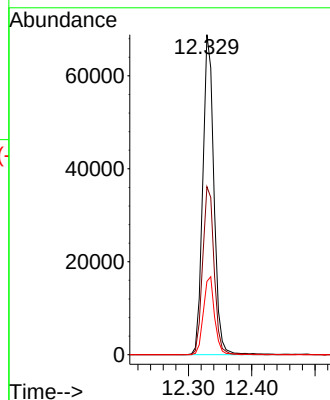
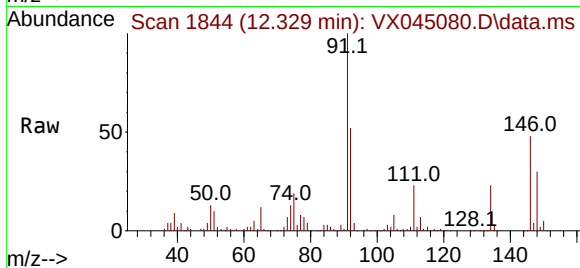
134 24.4 12.2 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#90

Hexachloroethane

Concen: 18.549 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX045080.D

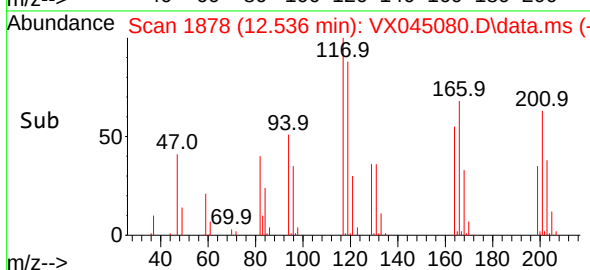
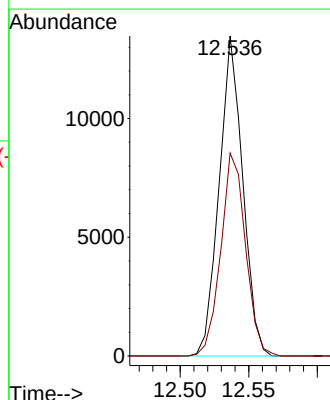
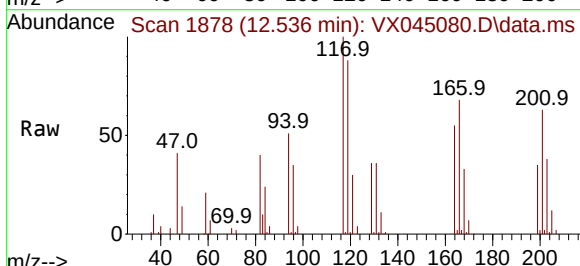
Acq: 28 Feb 2025 11:46

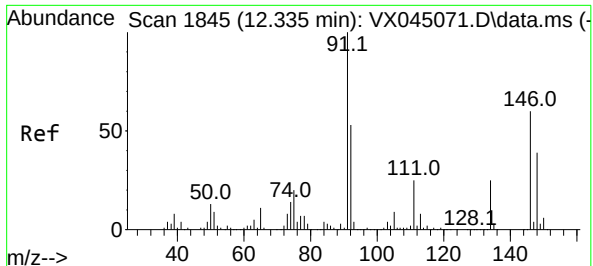
Tgt Ion:117 Resp: 16106

Ion Ratio Lower Upper

117 100

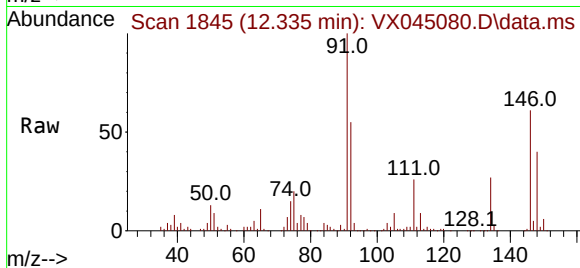
201 66.5 31.9 95.9





#91
1,2-Dichlorobenzene
Concen: 19.400 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

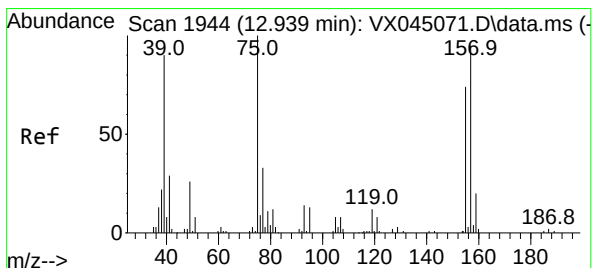
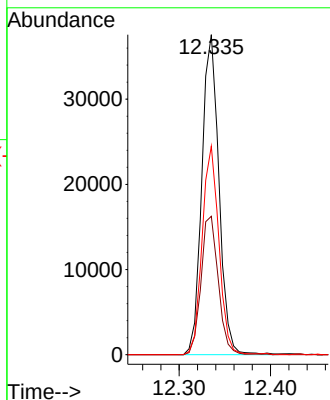
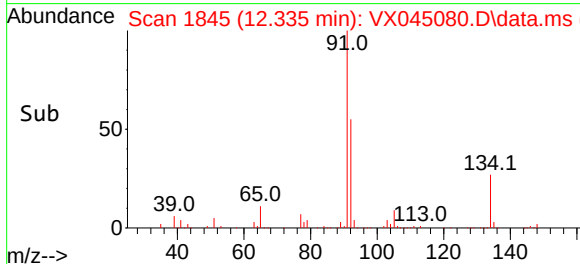
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01



Tgt Ion:146 Resp: 4889
Ion Ratio Lower Upper
146 100
111 43.6 21.6 65.0
148 63.7 31.9 95.9

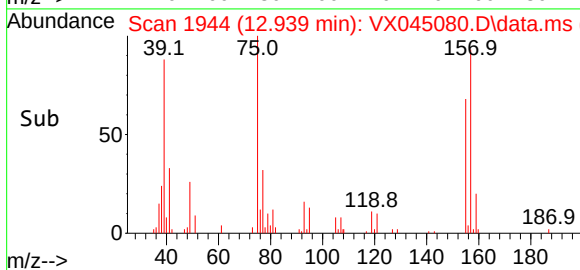
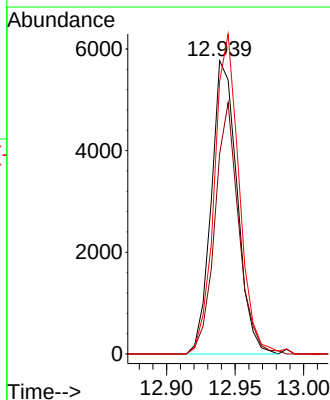
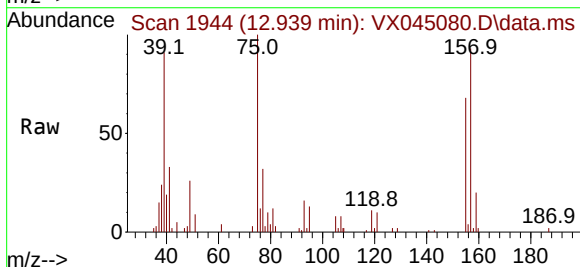
Manual Integrations
APPROVED

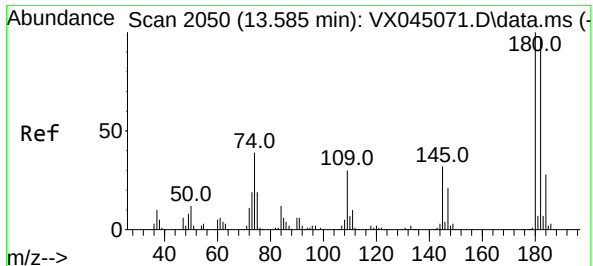
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 17.719 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 75 Resp: 7561
Ion Ratio Lower Upper
75 100
155 79.3 39.6 118.7
157 105.1 51.1 153.4





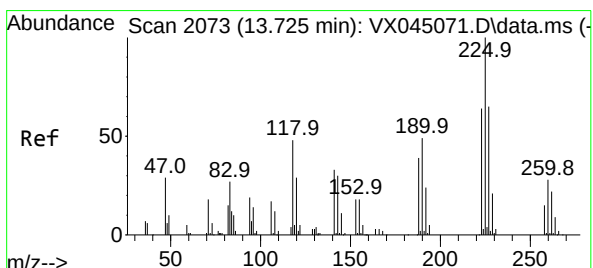
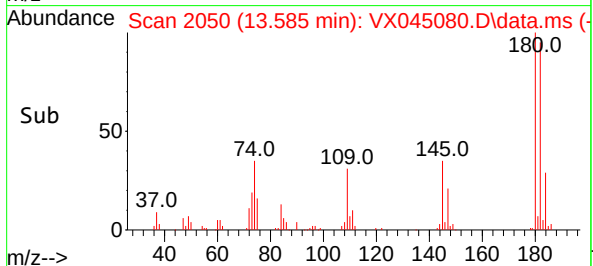
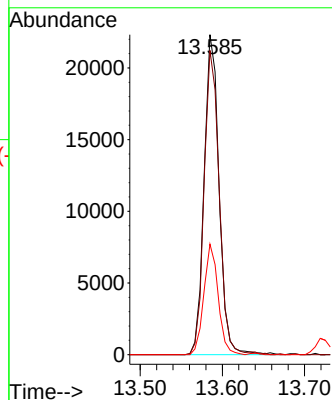
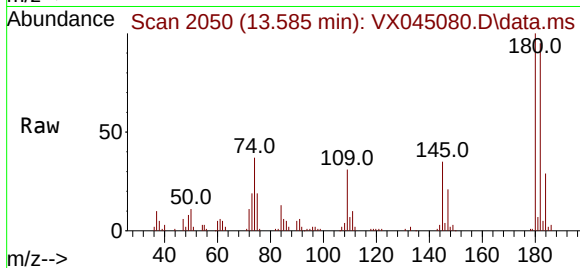
#93
1,2,4-Trichlorobenzene
Concen: 19.684 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	33.1	16.3	48.9

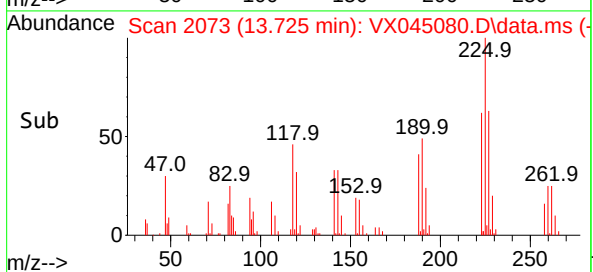
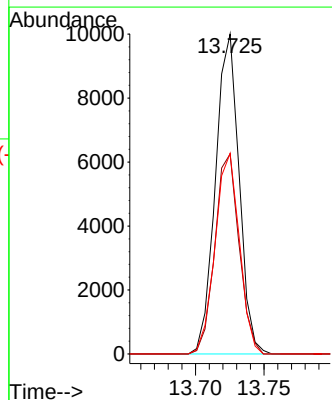
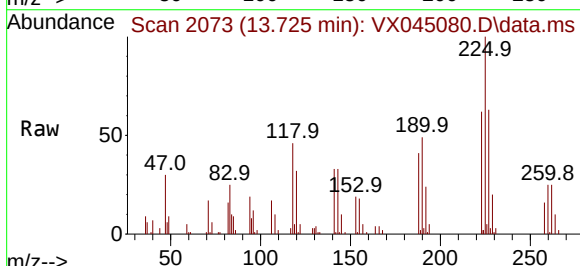
Manual Integrations
APPROVED

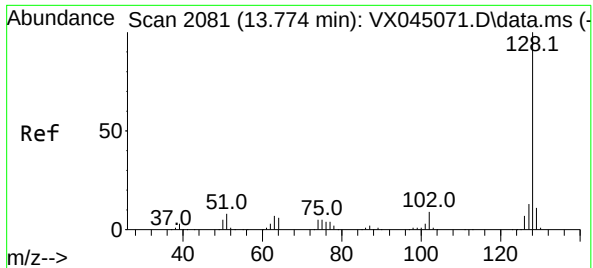
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025



#94
Hexachlorobutadiene
Concen: 20.362 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

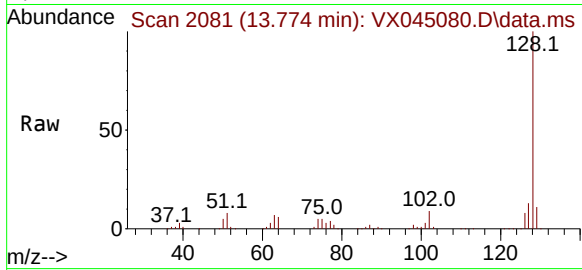
Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.9	95.7
227	64.4	31.4	94.0





#95
Naphthalene
Concen: 19.237 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

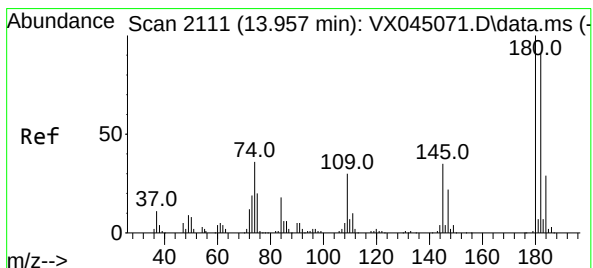
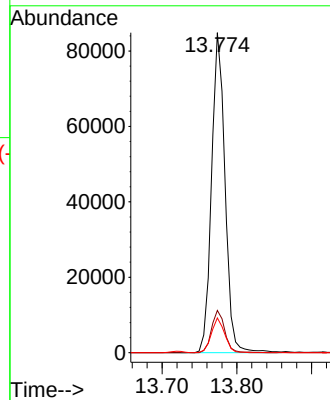
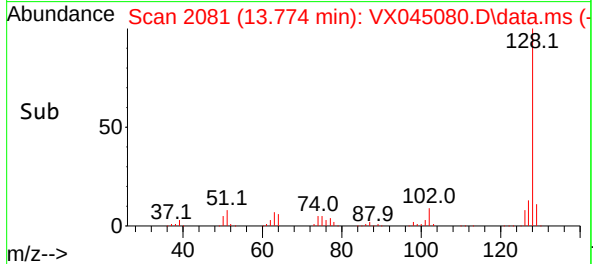
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01



Tgt Ion:128 Resp: 10606
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.7 8.7 13.1

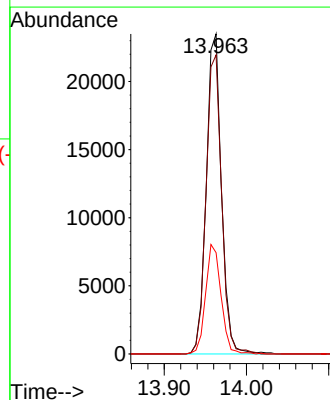
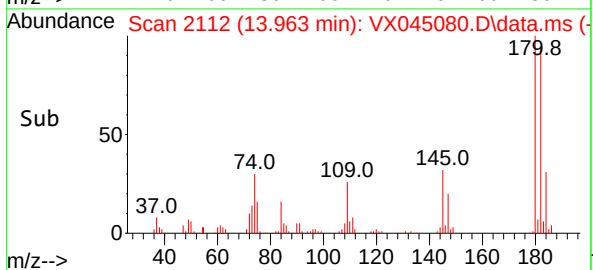
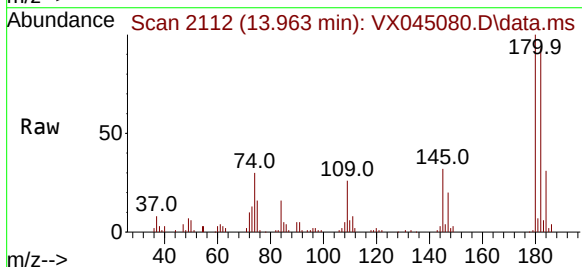
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 03/03/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.855 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:180 Resp: 30059
Ion Ratio Lower Upper
180 100
182 95.8 47.5 142.6
145 34.9 17.0 50.9



Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	CTO WE13		Date Received:	
Client Sample ID:	VX0225WBSD01		SDG No.:	Q1423
Lab Sample ID:	VX0225WBSD01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045033.D	1		02/25/25 12:57	VX022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	15.6		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	16.1		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	20.5		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	22.7		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.9		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.4		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.1		0.26	0.75	1.00	ug/L
67-64-1	Acetone	120		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	15.3		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.2		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	18.5		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.6		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.6		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	120		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.6		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.6		0.25	0.75	1.00	ug/L
67-66-3	Chloroform	19.7		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.9		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.8		0.19	0.50	1.00	ug/L
71-43-2	Benzene	18.8		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.5		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.4		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.9		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.9		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	130		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.3		0.18	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.3		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.7		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.0		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	130		1.10	2.50	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VX0225WBSD01	SDG No.:	Q1423
Lab Sample ID:	VX0225WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045033.D	1		02/25/25 12:57	VX022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	20.7		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.3		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.2		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	39.5		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	19.3		0.14	0.50	1.00	ug/L
100-42-5	Styrene	20.2		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	21.2		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.7		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.2		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.2		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.6		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.8		0.19	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.4		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	53.7		80 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	49.7		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.8		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	104000	5.55				
540-36-3	1,4-Difluorobenzene	185000	6.757				
3114-55-4	Chlorobenzene-d5	164000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	77000	12.018				

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\VX022525\
 Data File : VX045033.D
 Acq On : 25 Feb 2025 12:57
 Operator : JC/MD
 Sample : VX0225WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0225WBSD01

Quant Time: Feb 26 03:14:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/26/2025
 Supervised By : Mahesh Dadoda 02/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	104015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	184616	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	164218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	77007	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	81281	53.383	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.760%			
35) Dibromofluoromethane	5.379	113	64458	53.701	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.400%			
50) Toluene-d8	8.647	98	225725	49.732	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.460%			
62) 4-Bromofluorobenzene	11.079	95	82320	53.799	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	26428	18.116	ug/l	97
3) Chloromethane	1.313	50	27728	15.616	ug/l	98
4) Vinyl Chloride	1.374	62	27620	16.057	ug/l	98
5) Bromomethane	1.593	94	10551	20.498	ug/l	86
6) Chloroethane	1.672	64	16473	22.738	ug/l	100
7) Trichlorofluoromethane	1.874	101	41082	18.886	ug/l	99
8) Diethyl Ether	2.130	74	15050	19.077	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	24224	18.431	ug/l	98
10) Methyl Iodide	2.447	142	24750	14.530	ug/l	96
11) Tert butyl alcohol	2.971	59	33570	118.846	ug/l	99
12) 1,1-Dichloroethene	2.313	96	22933	17.106	ug/l	96
13) Acrolein	2.233	56	24474	83.978	ug/l	99
14) Allyl chloride	2.660	41	45680	18.853	ug/l	98
15) Acrylonitrile	3.062	53	85298	113.101	ug/l	98
16) Acetone	2.380	43	73126	119.468	ug/l	96
17) Carbon Disulfide	2.501	76	56362	15.331	ug/l	100
18) Methyl Acetate	2.703	43	48917	25.325	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	82029	19.230	ug/l	96
20) Methylene Chloride	2.782	84	27752	18.510	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	23160	17.552	ug/l	97
22) Diisopropyl ether	3.757	45	90716	19.790	ug/l	88
23) Vinyl Acetate	3.721	43	366009	97.941	ug/l	99
24) 1,1-Dichloroethane	3.605	63	47577	18.550	ug/l	97
25) 2-Butanone	4.556	43	119622	120.352	ug/l	93
26) 2,2-Dichloropropane	4.471	77	35307	17.358	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	29525	18.628	ug/l	100
28) Bromochloromethane	4.897	49	25948	21.051	ug/l	98
29) Tetrahydrofuran	5.001	42	78676	119.207	ug/l	98
30) Chloroform	5.086	83	49005	19.701	ug/l	97
31) Cyclohexane	5.458	56	41985	17.756	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	39919	18.921	ug/l	100
36) 1,1-Dichloropropene	5.690	75	31489	18.184	ug/l	100
37) Ethyl Acetate	4.715	43	43459	22.562	ug/l	99
38) Carbon Tetrachloride	5.666	117	33303	19.625	ug/l	99
39) Methylcyclohexane	7.373	83	41979	18.750	ug/l	97
40) Benzene	6.031	78	101685	18.805	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
 Data File : VX045033.D
 Acq On : 25 Feb 2025 12:57
 Operator : JC/MD
 Sample : VX0225WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0225WBSD01

Manual Integrations APPROVED

Reviewed By : John Carlone 02/26/2025
 Supervised By : Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 03:14:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	25273	24.513	ug/l	96
42) 1,2-Dichloroethane	6.080	62	36973	21.453	ug/l	99
43) Isopropyl Acetate	6.342	43	67869	21.820	ug/l	98
44) Trichloroethene	7.123	130	23937	19.366	ug/l	97
45) 1,2-Dichloropropane	7.427	63	26735	19.873	ug/l	98
46) Dibromomethane	7.580	93	19271	20.656	ug/l	99
47) Bromodichloromethane	7.818	83	37771	20.908	ug/l	99
48) Methyl methacrylate	7.696	41	33381	22.760	ug/l	97
49) 1,4-Dioxane	7.659	88	15530	493.544	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	238466	126.106	ug/l	97
52) Toluene	8.714	92	62103	19.284	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	33432	18.288	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	40084	19.666	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	26031	21.027	ug/l	96
56) Ethyl methacrylate	9.116	69	41220	20.616	ug/l	98
57) 1,3-Dichloropropane	9.305	76	44709	20.641	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	88402	90.045	ug/l	100
59) 2-Hexanone	9.427	43	175998	129.175	ug/l	97
60) Dibromochloromethane	9.519	129	27361	20.666	ug/l	99
61) 1,2-Dibromoethane	9.610	107	26005	20.725	ug/l	99
64) Tetrachloroethene	9.269	164	19902	19.217	ug/l	98
65) Chlorobenzene	10.079	112	68070	19.299	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	22640	19.942	ug/l	98
67) Ethyl Benzene	10.189	91	119195	19.150	ug/l	98
68) m/p-Xylenes	10.299	106	90661	39.486	ug/l	98
69) o-Xylene	10.640	106	44481	19.307	ug/l	99
70) Styrene	10.652	104	74872	20.171	ug/l	100
71) Bromoform	10.799	173	17936	21.169	ug/l #	98
73) Isopropylbenzene	10.957	105	115836	18.682	ug/l	100
74) N-amyl acetate	10.841	43	56516	20.142	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	43038	20.199	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	35430m	20.751	ug/l	
77) Bromobenzene	11.195	156	26820	19.079	ug/l	97
78) n-propylbenzene	11.305	91	132947	18.576	ug/l	99
79) 2-Chlorotoluene	11.360	91	81582	18.547	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	96972	19.272	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	11113	16.743	ug/l	89
82) 4-Chlorotoluene	11.451	91	91866	18.878	ug/l	100
83) tert-Butylbenzene	11.713	119	96867	19.030	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	96411	19.413	ug/l	99
85) sec-Butylbenzene	11.890	105	121849	19.331	ug/l	99
86) p-Isopropyltoluene	12.006	119	99219	19.574	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	49720	19.233	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	48639	18.609	ug/l	98
89) n-Butylbenzene	12.329	91	85953	19.167	ug/l	99
90) Hexachloroethane	12.536	117	17367	18.298	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	50374	19.827	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8357	21.490	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	27211	17.700	ug/l	96
94) Hexachlorobutadiene	13.725	225	12391	20.303	ug/l	97
95) Naphthalene	13.774	128	110004	19.794	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	30122	19.444	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045033.D
Acq On : 25 Feb 2025 12:57
Operator : JC/MD
Sample : VX0225WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 03:14:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

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

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

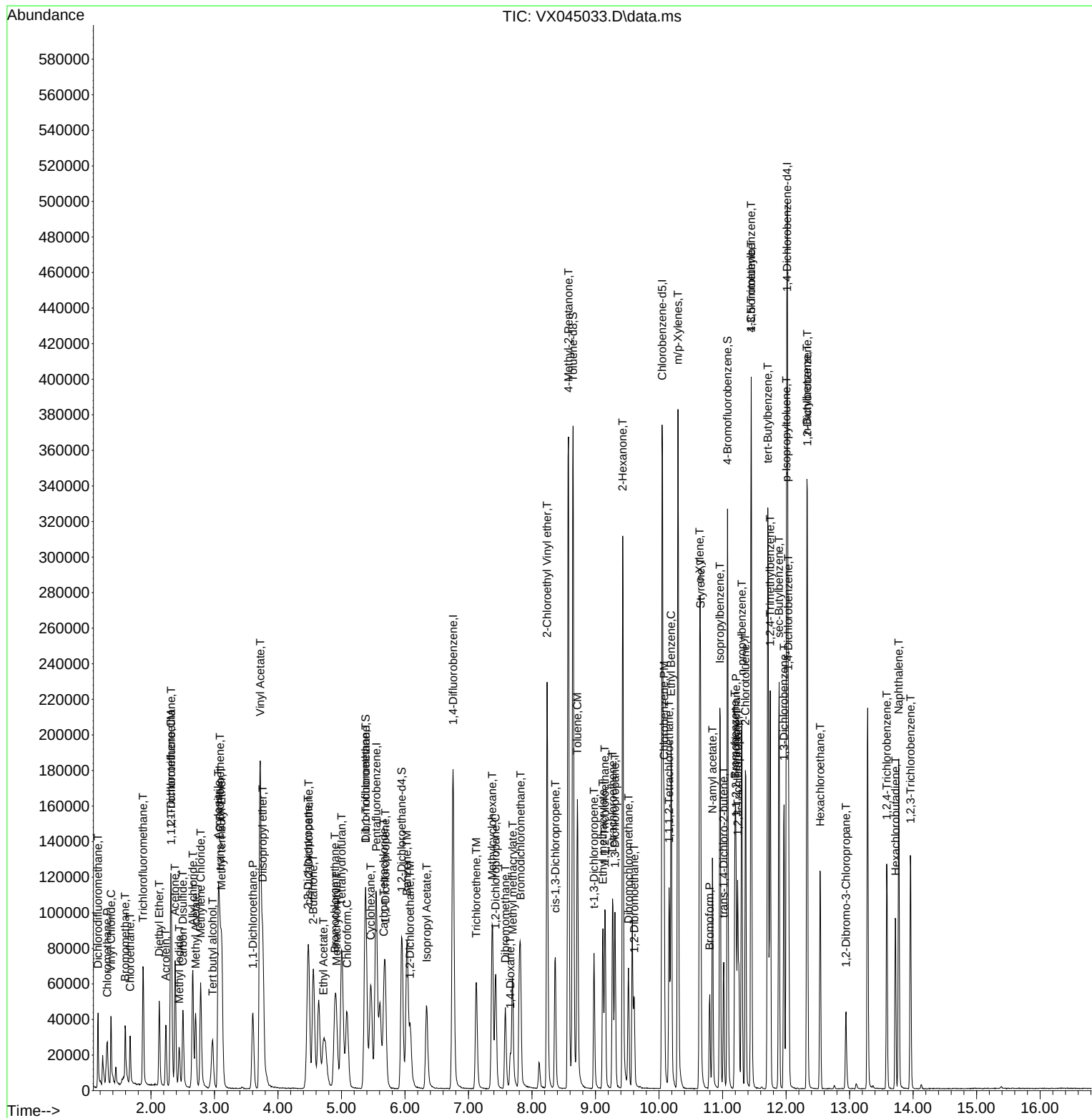

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\  
Data File : VX045033.D  
Acq On    : 25 Feb 2025  12:57  
Operator  : JC/MD  
Sample    : VX0225WBSD01  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 6      Sample Multiplier: 1
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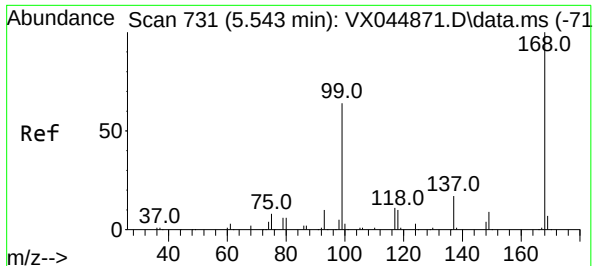
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 03:14:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration





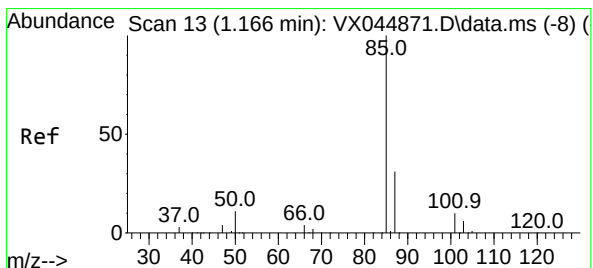
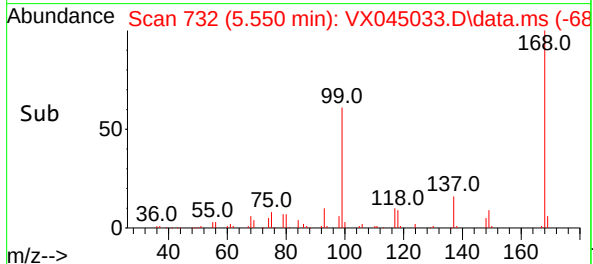
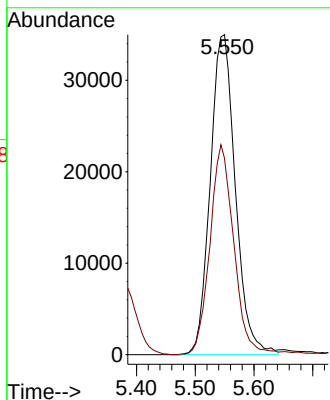
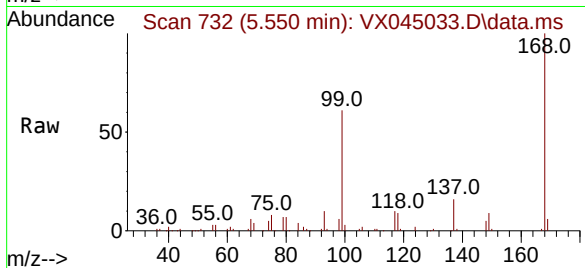
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion:168 Resp: 10401
Ion Ratio Lower Upper
168 100
99 61.5 51.2 76.8

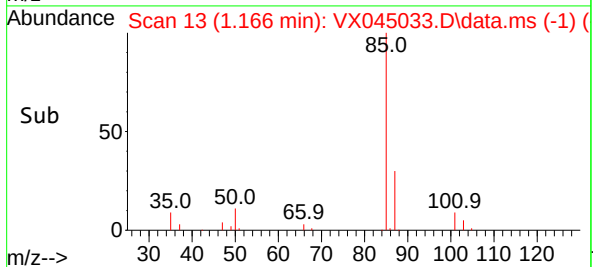
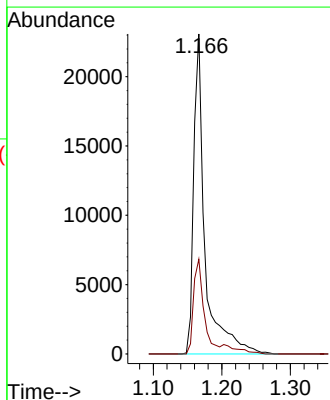
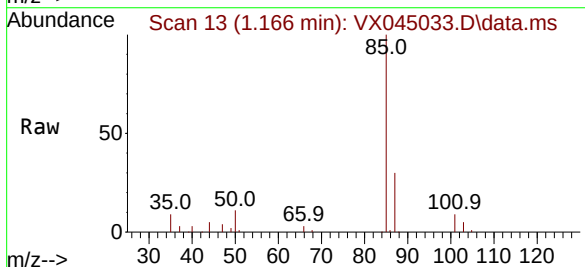
Manual Integrations
APPROVED

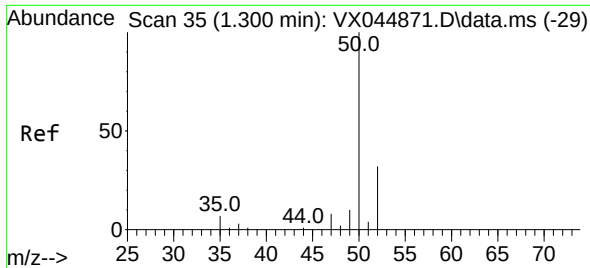
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#2
Dichlorodifluoromethane
Concen: 18.116 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 85 Resp: 26428
Ion Ratio Lower Upper
85 100
87 29.6 15.8 47.3





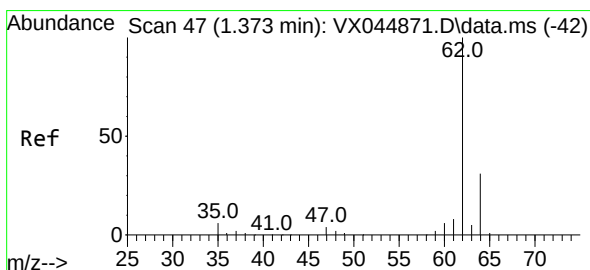
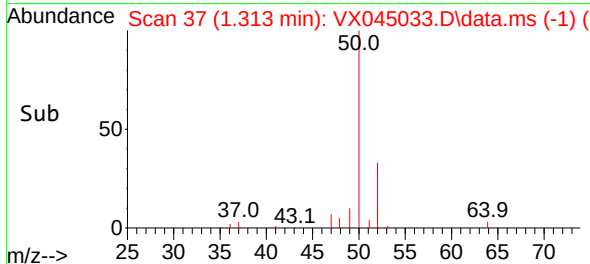
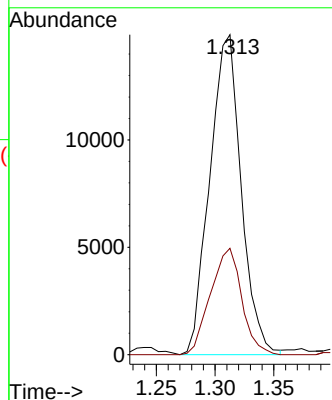
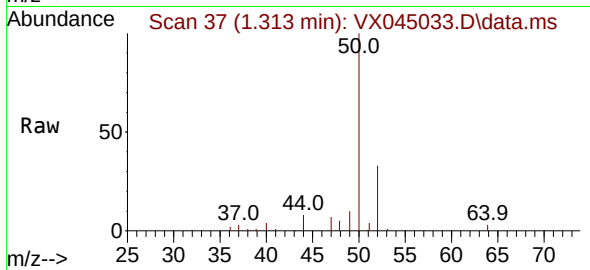
#3
Chloromethane
Concen: 15.616 ug/l
RT: 1.313 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 50 Resp: 27728
Ion Ratio Lower Upper
50 100
52 33.3 25.9 38.9

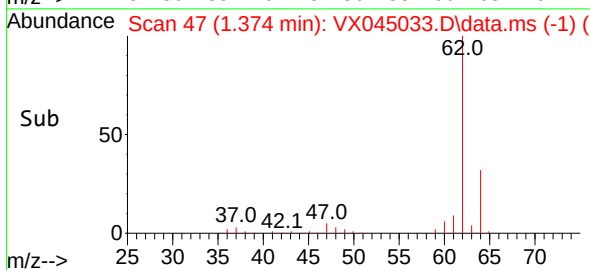
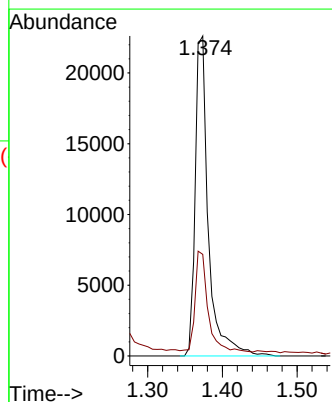
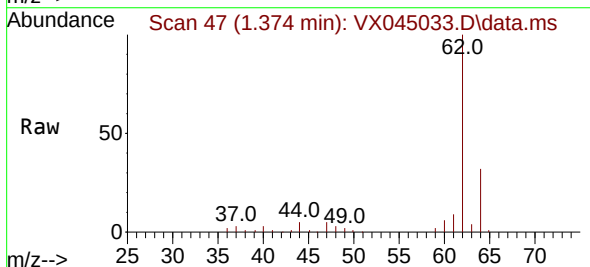
Manual Integrations
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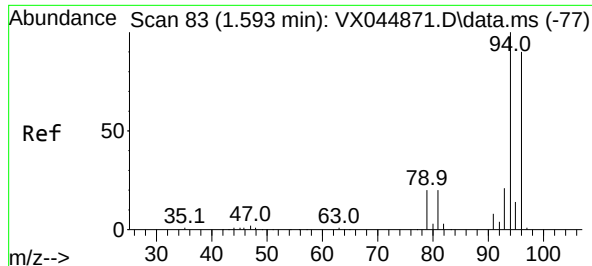
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#4
Vinyl Chloride
Concen: 16.057 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 62 Resp: 27620
Ion Ratio Lower Upper
62 100
64 30.8 25.4 38.0





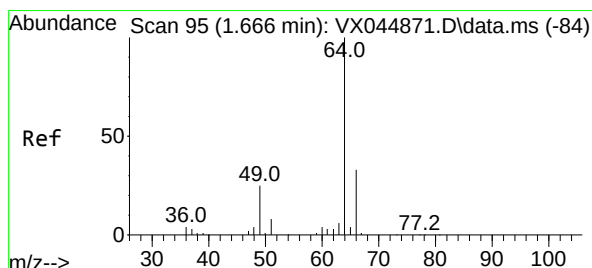
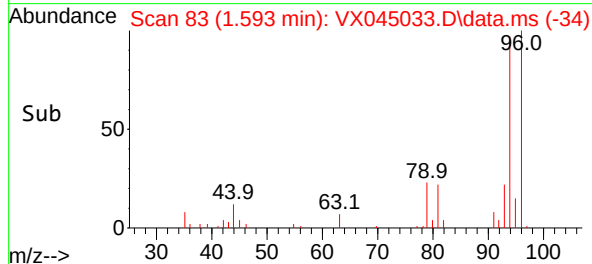
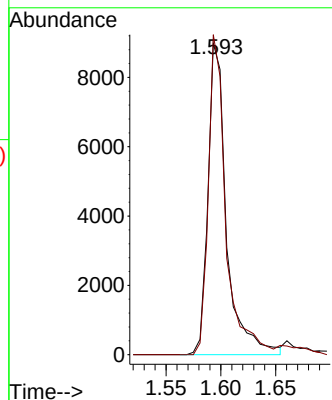
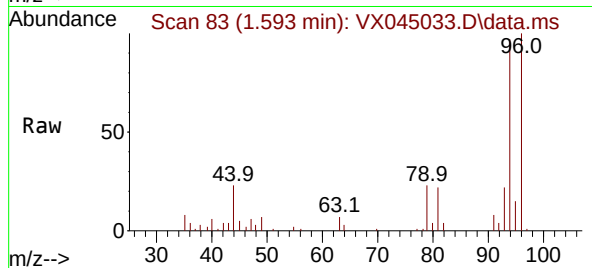
#5
Bromomethane
Concen: 20.498 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 94 Resp: 1055
Ion Ratio Lower Upper
94 100
96 102.8 71.6 107.4

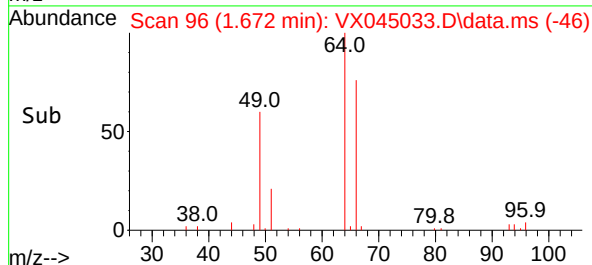
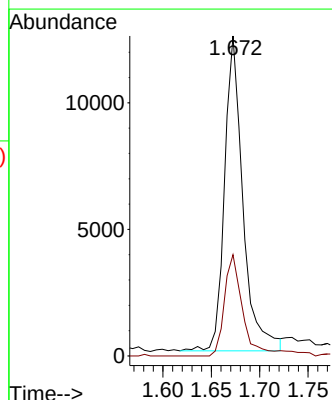
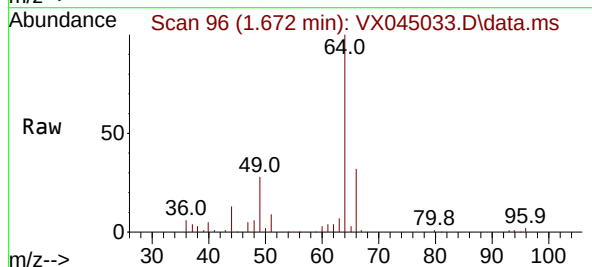
Manual Integrations
APPROVED

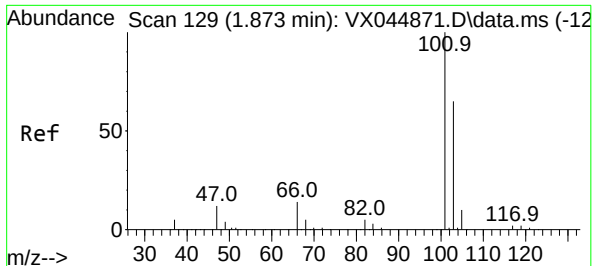
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#6
Chloroethane
Concen: 22.738 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 64 Resp: 16473
Ion Ratio Lower Upper
64 100
66 32.2 25.9 38.9





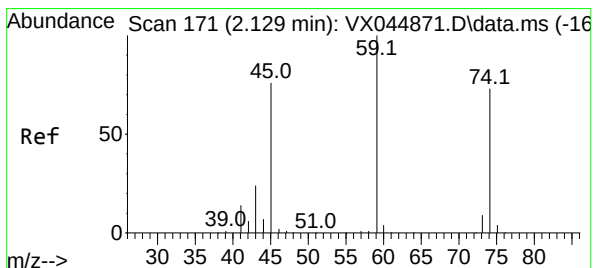
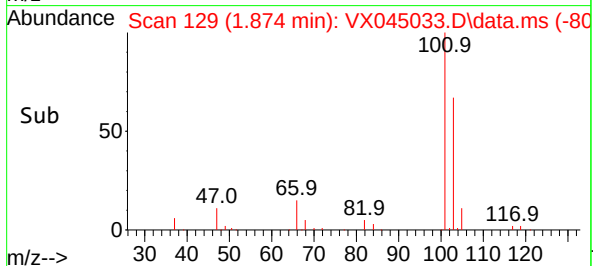
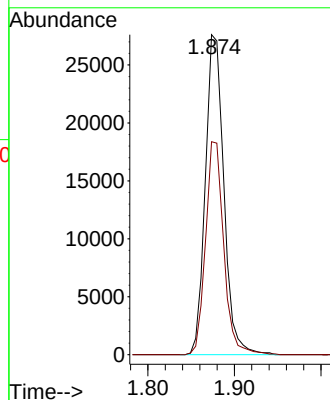
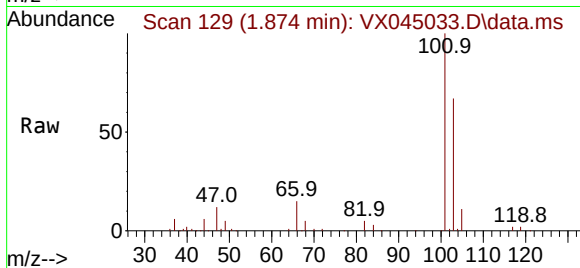
#7
Trichlorofluoromethane
Concen: 18.886 ug/l
RT: 1.874 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion:101 Resp: 4108
Ion Ratio Lower Upper
101 100
103 66.5 52.4 78.6

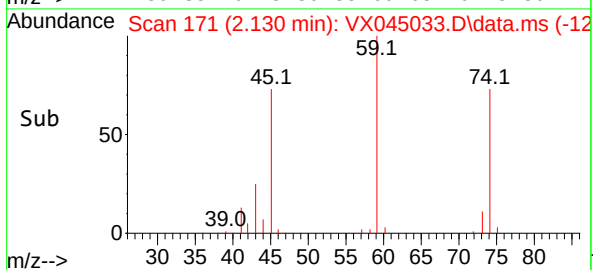
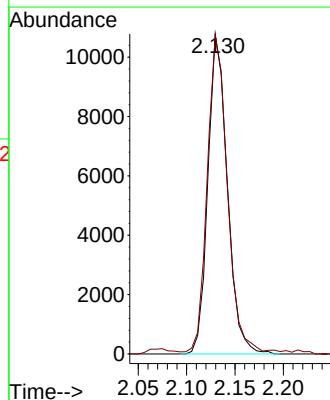
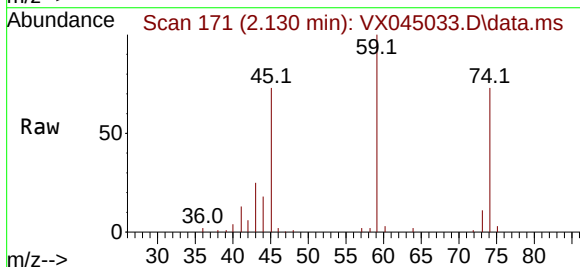
Manual Integrations
APPROVED

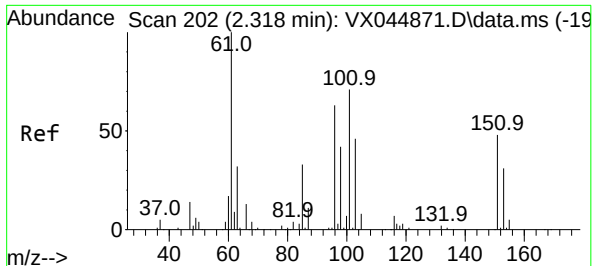
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#8
Diethyl Ether
Concen: 19.077 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 74 Resp: 15050
Ion Ratio Lower Upper
74 100
45 102.3 51.1 153.4





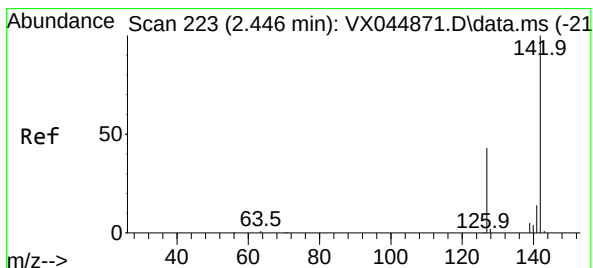
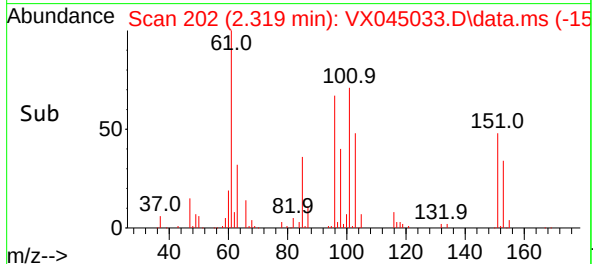
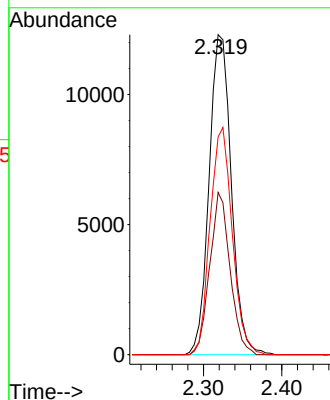
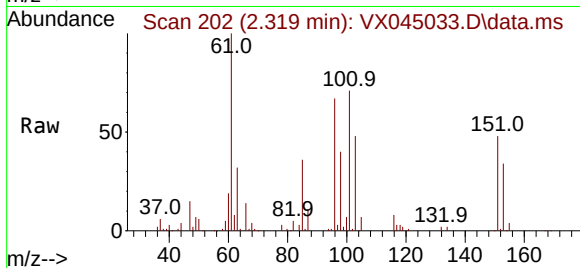
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.431 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion:101 Resp: 24224
Ion Ratio Lower Upper
101 100
85 46.4 35.7 53.5
151 71.0 56.0 84.0

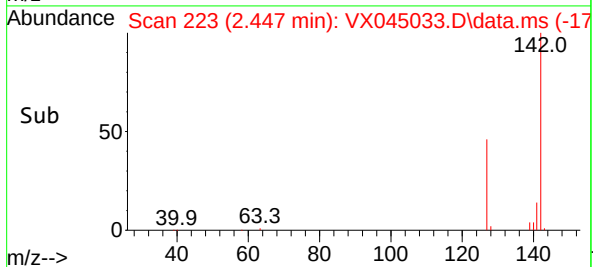
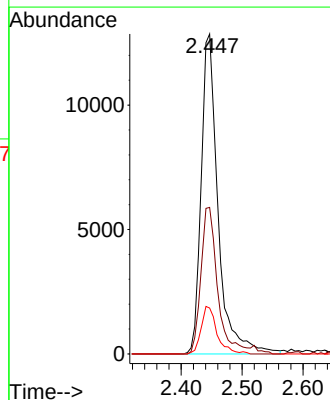
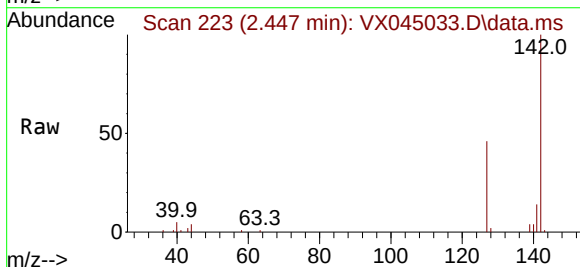
Manual Integrations
APPROVED

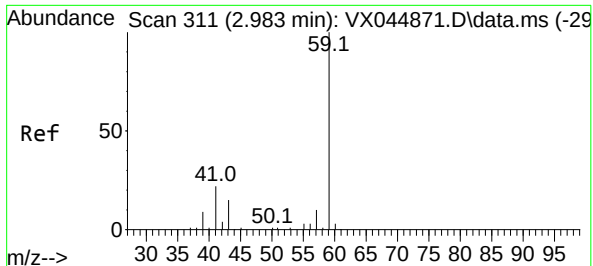
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#10
Methyl Iodide
Concen: 14.530 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:142 Resp: 24750
Ion Ratio Lower Upper
142 100
127 46.5 34.3 51.5
141 14.0 11.4 17.2





#11

Tert butyl alcohol

Concen: 118.846 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.012 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

Tgt Ion: 59 Resp: 33570

Ion Ratio Lower Upper

59 100

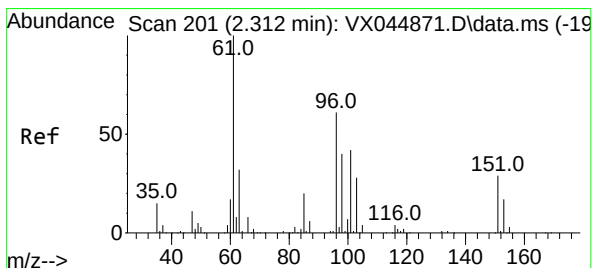
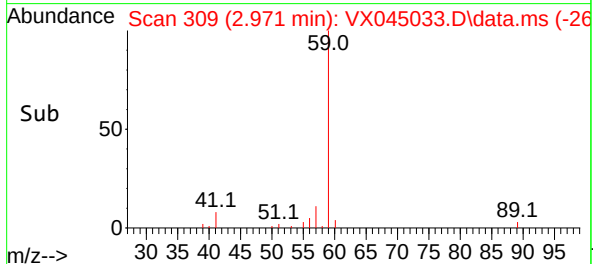
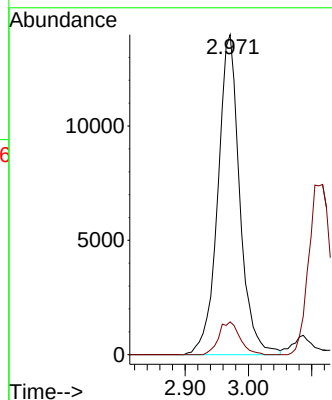
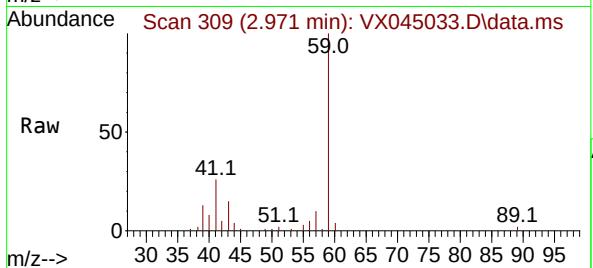
57 9.9 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#12

1,1-Dichloroethene

Concen: 17.106 ug/l

RT: 2.313 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

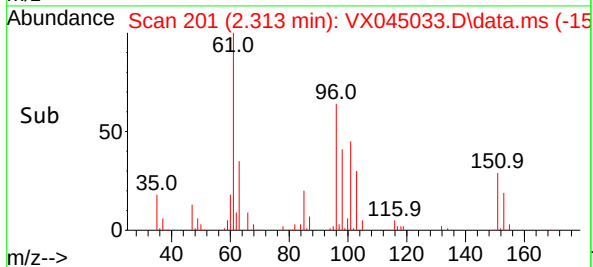
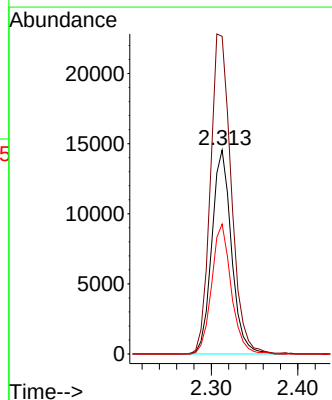
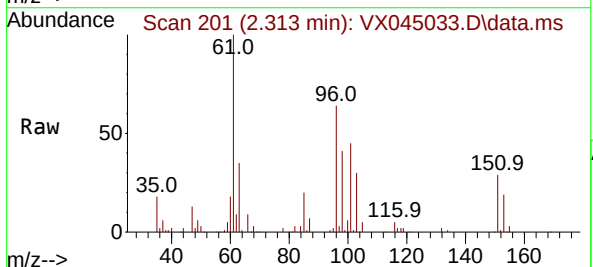
Tgt Ion: 96 Resp: 22933

Ion Ratio Lower Upper

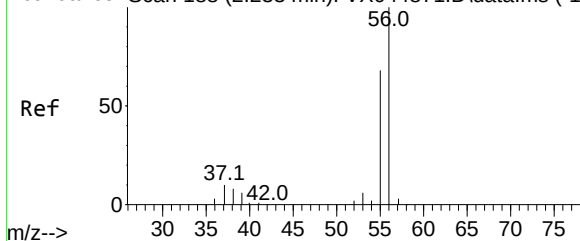
96 100

61 155.7 130.2 195.4

98 63.7 52.2 78.4



Abundance Scan 188 (2.233 min): VX044871.D\data.ms (-18



#13

Acrolein

Concen: 83.978 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

Tgt Ion: 56 Resp: 24474

Ion Ratio Lower Upper

56 100

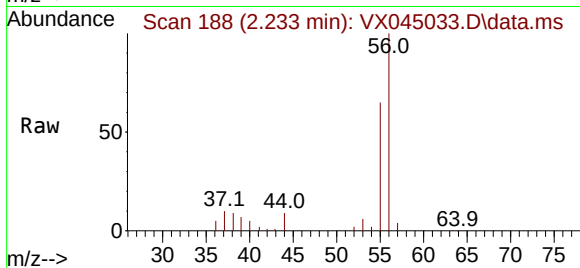
55 70.3 55.7 83.5

Manual Integrations

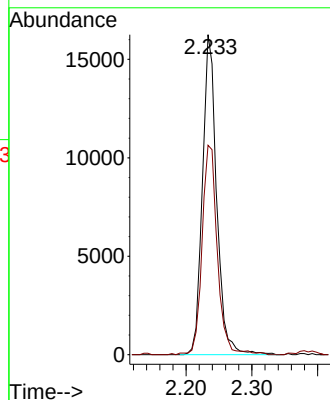
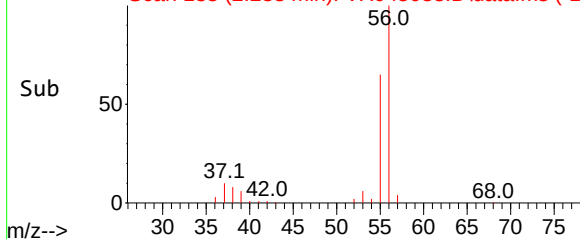
APPROVED

Reviewed By :John Carlone 02/26/2025

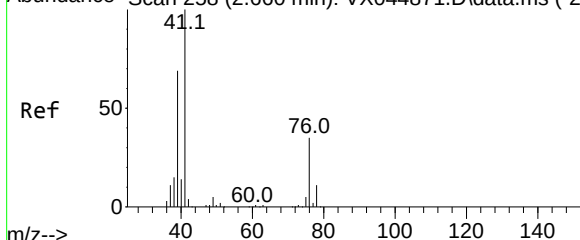
Supervised By :Mahesh Dadoda 02/26/2025



Abundance Scan 188 (2.233 min): VX045033.D\data.ms (-13



Abundance Scan 258 (2.660 min): VX044871.D\data.ms (-24



#14

Allyl chloride

Concen: 18.853 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

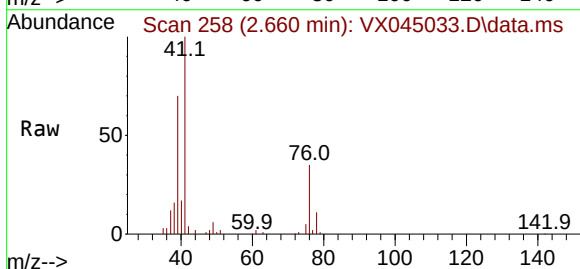
Tgt Ion: 41 Resp: 45680

Ion Ratio Lower Upper

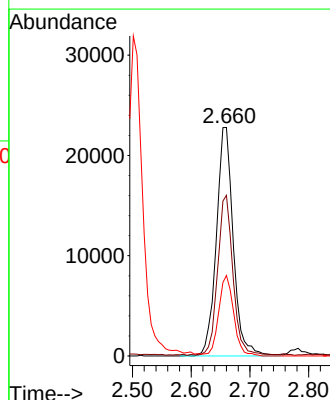
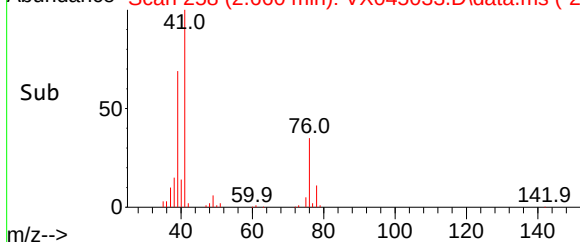
41 100

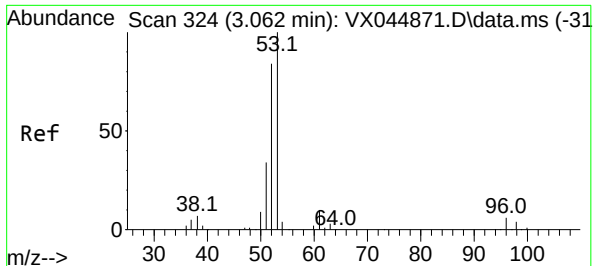
39 63.5 51.4 77.2

76 31.1 27.0 40.4



Abundance Scan 258 (2.660 min): VX045033.D\data.ms (-20





#15

Acrylonitrile

Concen: 113.101 ug/l

RT: 3.062 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

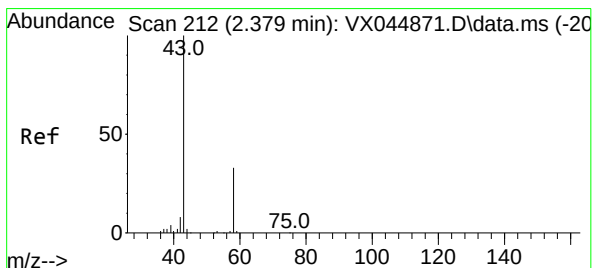
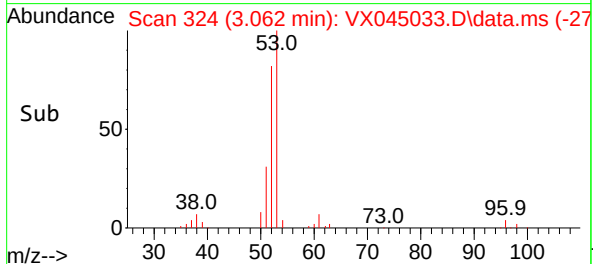
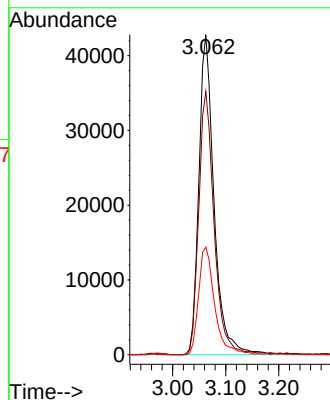
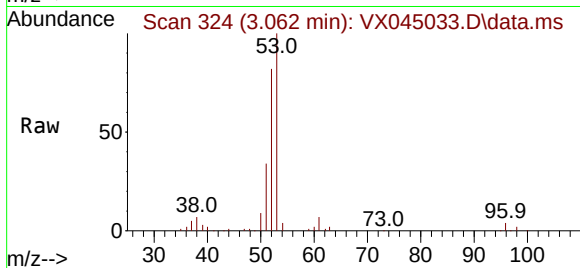
ClientSampleId :

VX0225WBSD01

Tgt Ion: 53	Resp: 85298
Ion Ratio	Lower Upper
53 100	
52 83.4	65.0 97.6
51 35.6	28.0 42.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#16

Acetone

Concen: 119.468 ug/l

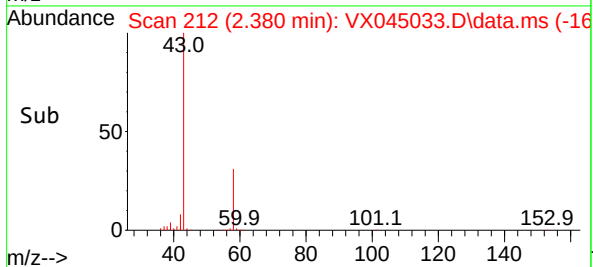
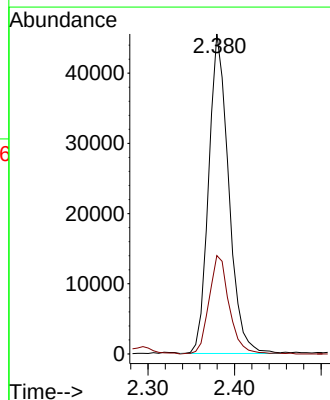
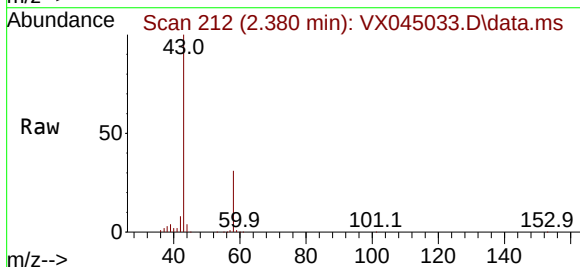
RT: 2.380 min Scan# 212

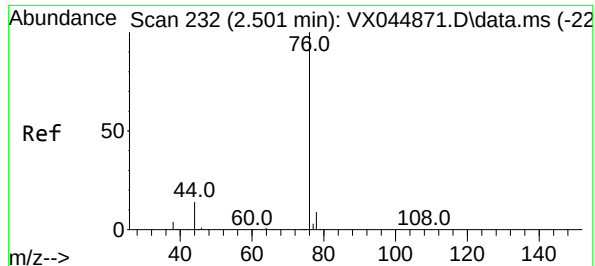
Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Tgt Ion: 43	Resp: 73126
Ion Ratio	Lower Upper
43 100	
58 30.8	26.5 39.7





#17

Carbon Disulfide

Concen: 15.331 ug/l

RT: 2.501 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

Tgt Ion: 76 Resp: 5636

Ion Ratio Lower Upper

76 100

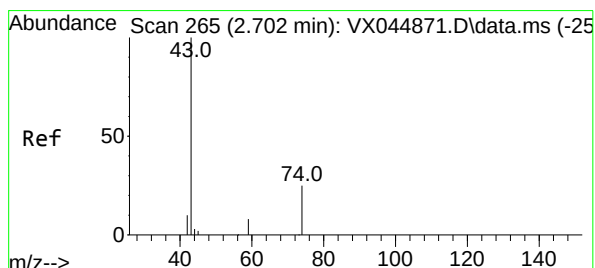
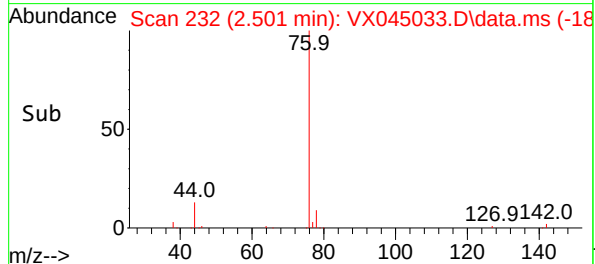
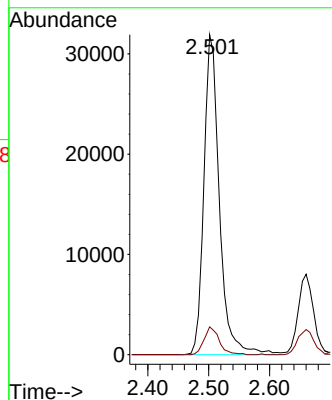
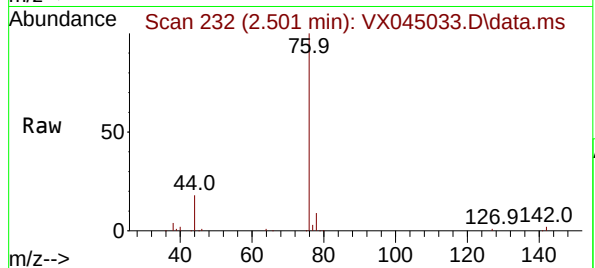
78 8.7 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#18

Methyl Acetate

Concen: 25.325 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX045033.D

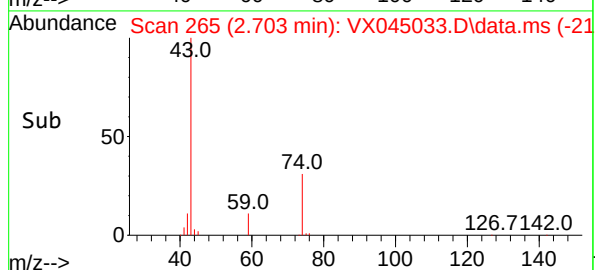
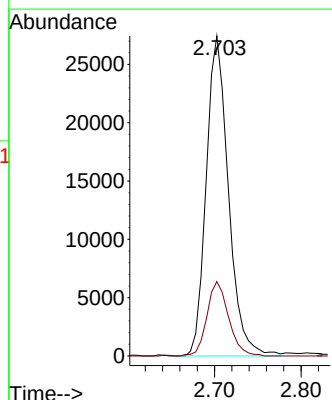
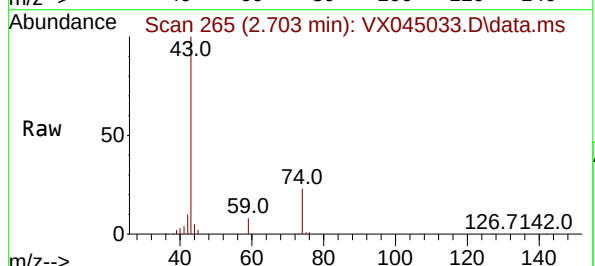
Acq: 25 Feb 2025 12:57

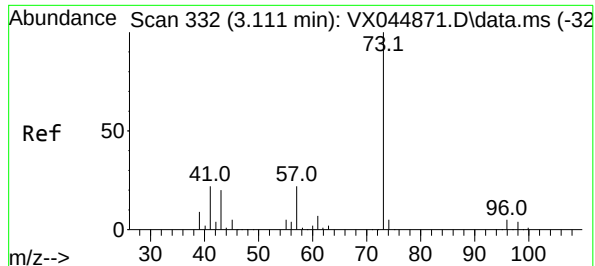
Tgt Ion: 43 Resp: 48917

Ion Ratio Lower Upper

43 100

74 22.6 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 19.230 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

Tgt Ion: 73 Resp: 82029

Ion Ratio Lower Upper

73 100

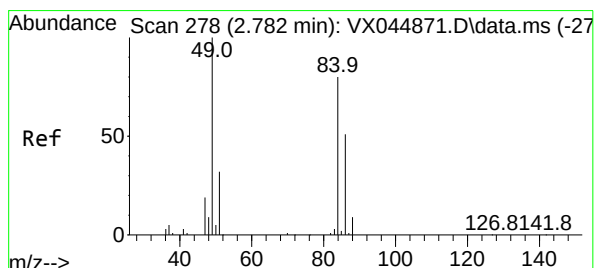
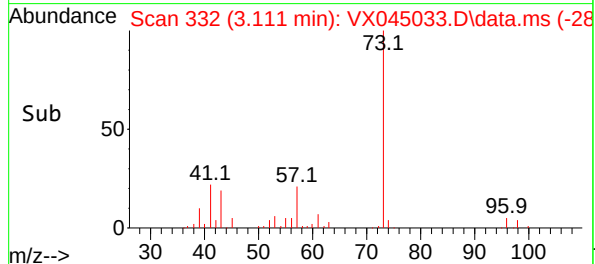
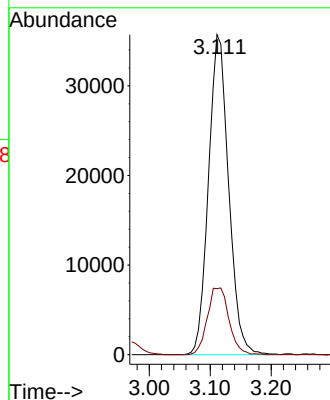
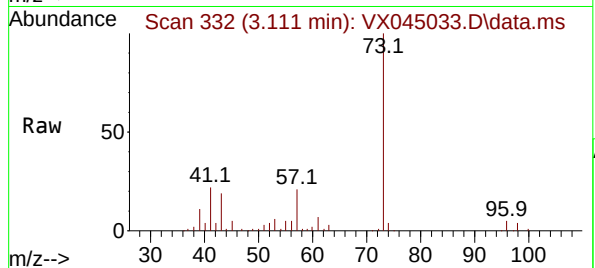
57 20.7 17.9 26.9

Manual Integrations

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Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#20

Methylene Chloride

Concen: 18.510 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Tgt Ion: 84 Resp: 27752

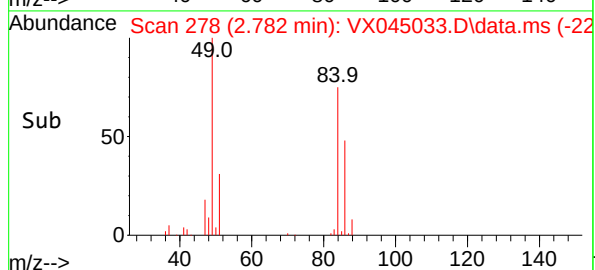
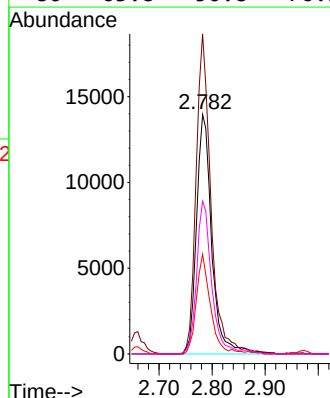
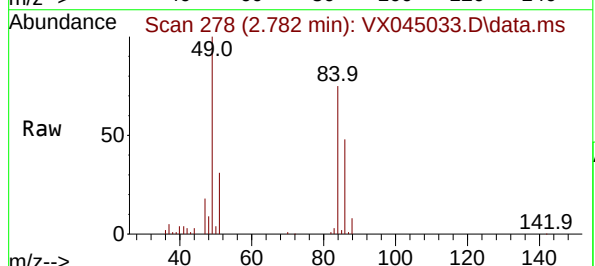
Ion Ratio Lower Upper

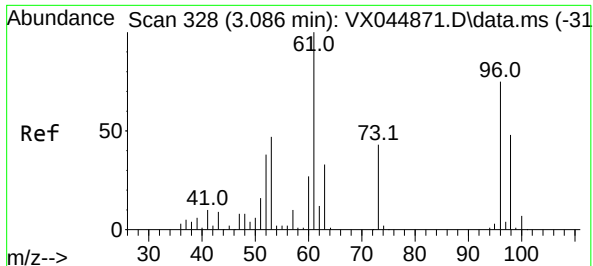
84 100

49 133.6 100.1 150.1

51 41.6 31.7 47.5

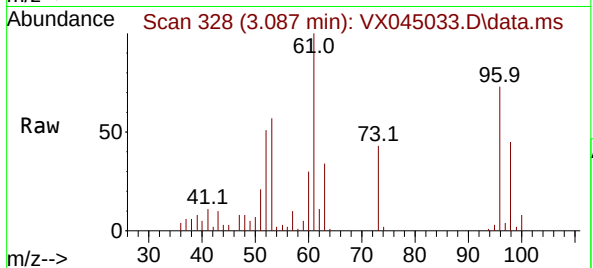
86 63.8 50.8 76.2





#21
trans-1,2-Dichloroethene
Concen: 17.552 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

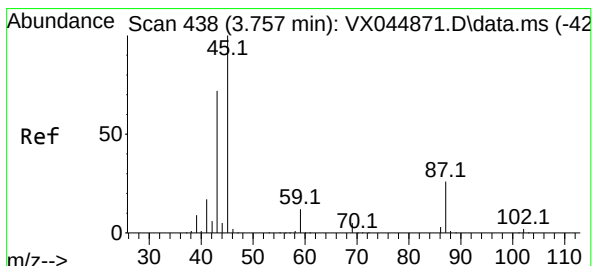
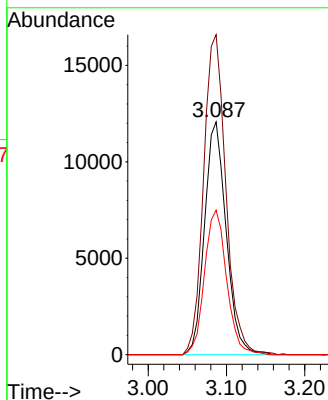
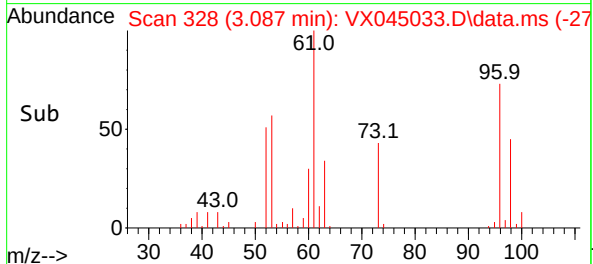
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01



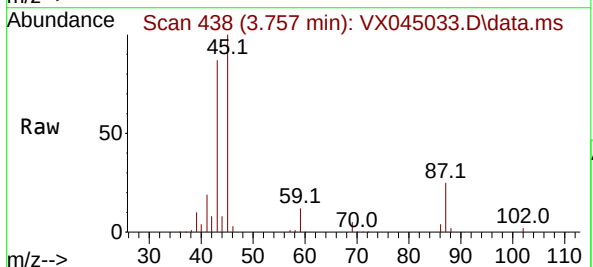
Tgt Ion: 96 Resp: 23160
Ion Ratio Lower Upper
96 100
61 137.5 106.0 159.0
98 62.1 50.6 76.0

Manual Integrations
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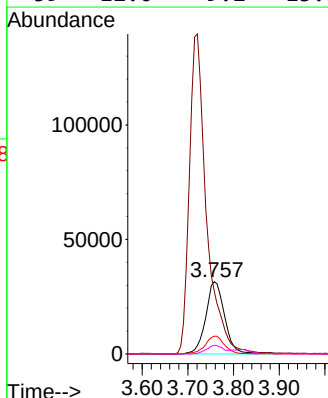
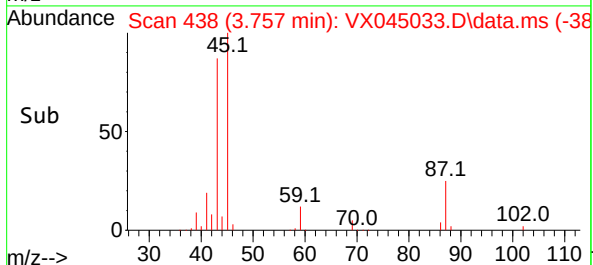
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

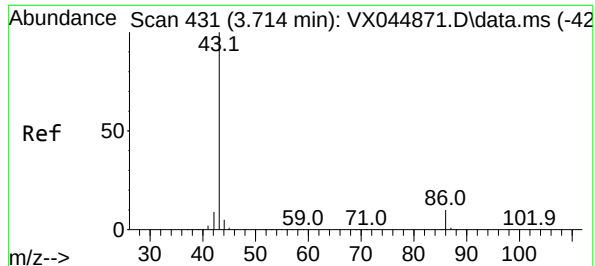


#22
Diisopropyl ether
Concen: 19.790 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57



Tgt Ion: 45 Resp: 90716
Ion Ratio Lower Upper
45 100
43 86.1 58.0 87.0
87 24.5 20.7 31.1
59 12.0 9.2 13.8





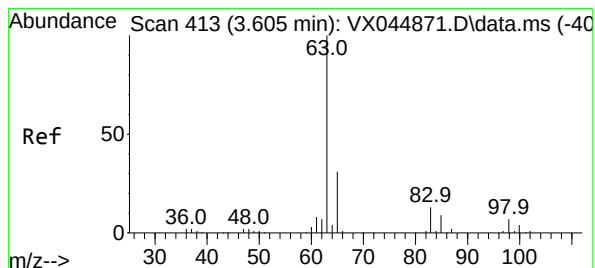
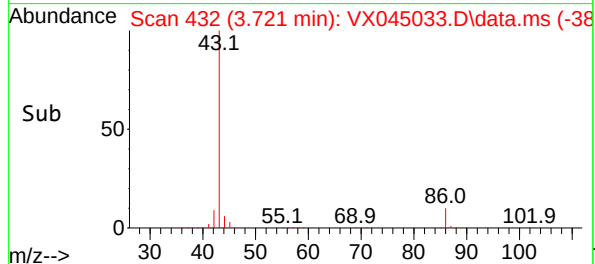
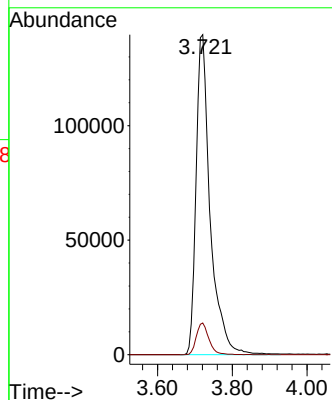
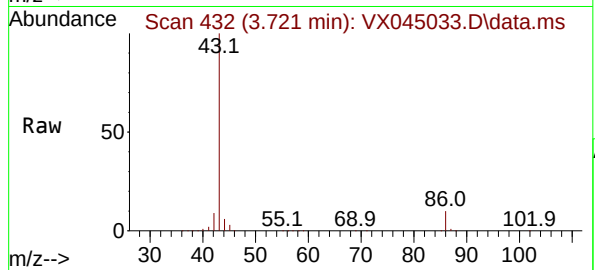
#23
Vinyl Acetate
Concen: 97.941 ug/l
RT: 3.721 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 43 Resp: 366009
Ion Ratio Lower Upper
43 100
86 9.9 8.3 12.5

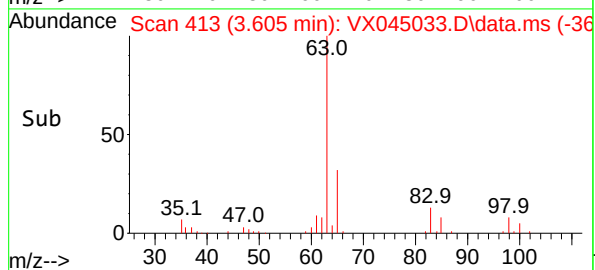
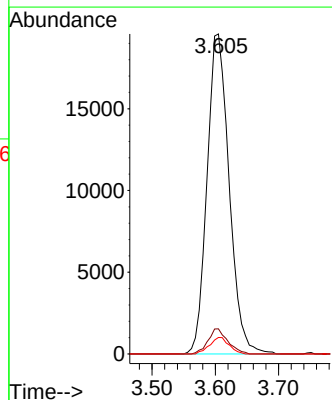
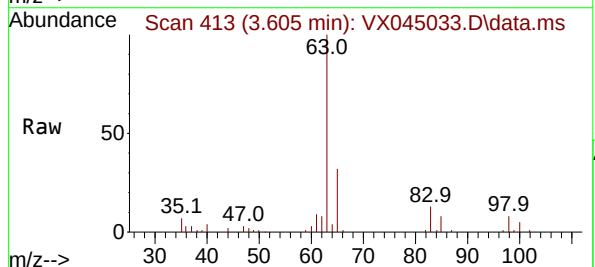
Manual Integrations
APPROVED

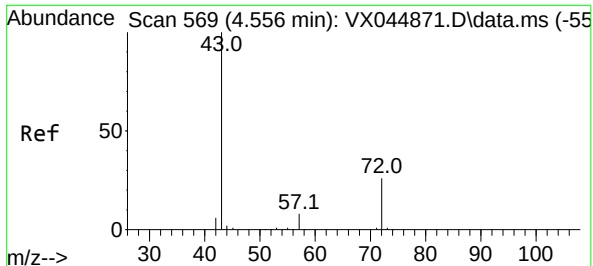
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#24
1,1-Dichloroethane
Concen: 18.550 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 63 Resp: 47577
Ion Ratio Lower Upper
63 100
98 7.8 3.3 9.9
100 5.2 2.1 6.5





#25

2-Butanone

Concen: 120.352 ug/l

RT: 4.556 min Scan# 5

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

Tgt Ion: 43 Resp: 11962

Ion Ratio Lower Upper

43 100

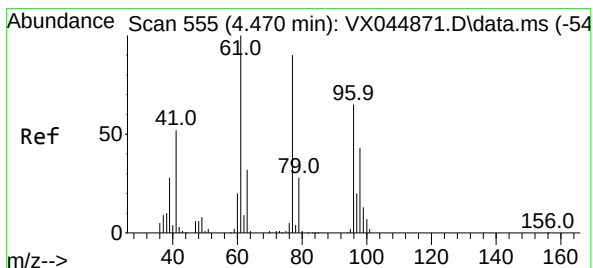
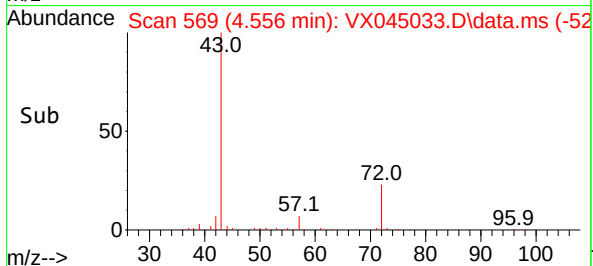
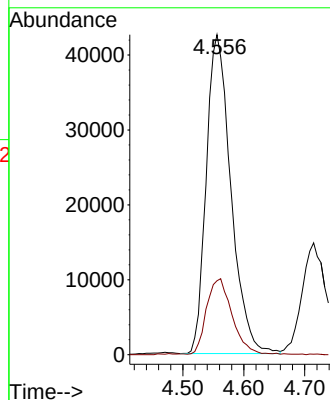
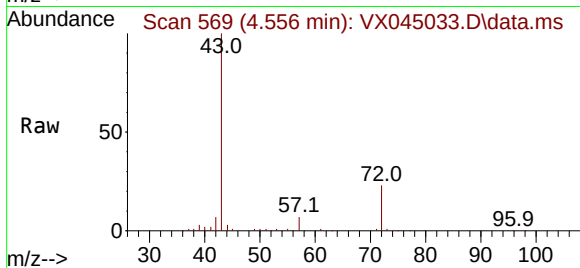
72 23.0 21.2 31.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#26

2,2-Dichloropropane

Concen: 17.358 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.000 min

Lab File: VX045033.D

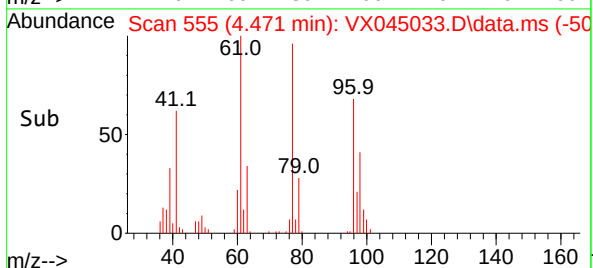
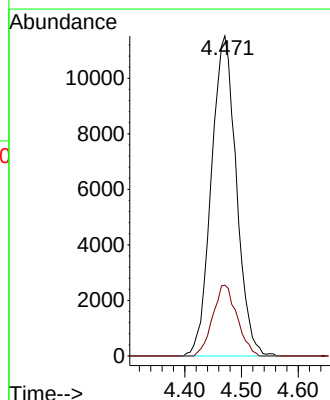
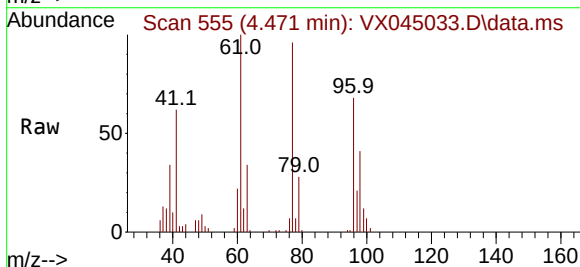
Acq: 25 Feb 2025 12:57

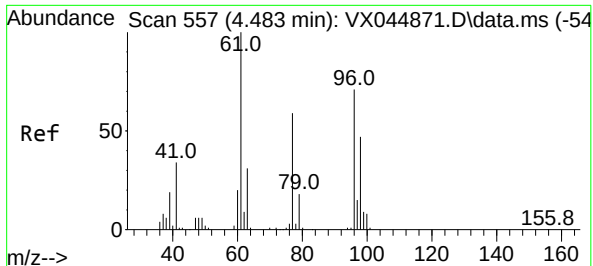
Tgt Ion: 77 Resp: 35307

Ion Ratio Lower Upper

77 100

97 21.5 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 18.628 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

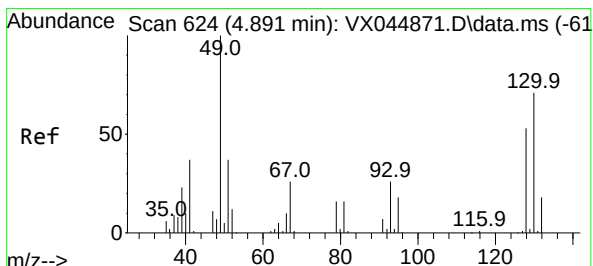
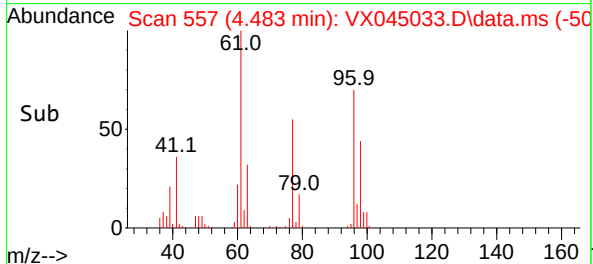
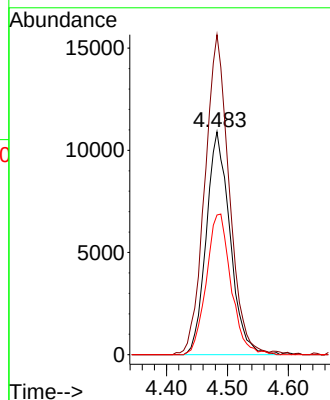
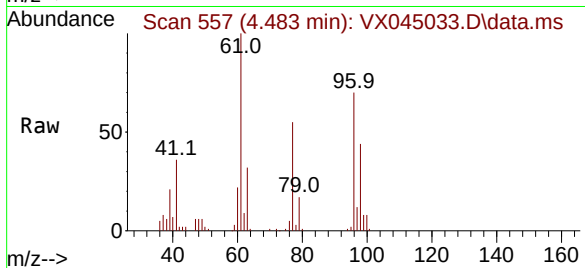
Tgt Ion:	96	Resp:	2952
Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	294.0
98	65.6	0.0	131.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#28

Bromochloromethane

Concen: 21.051 ug/l

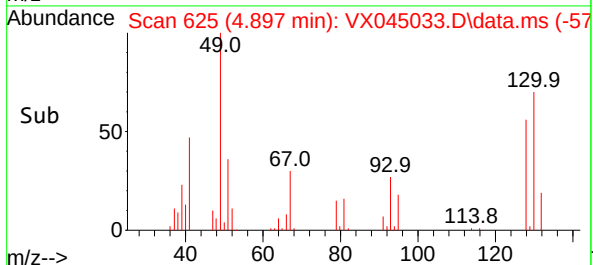
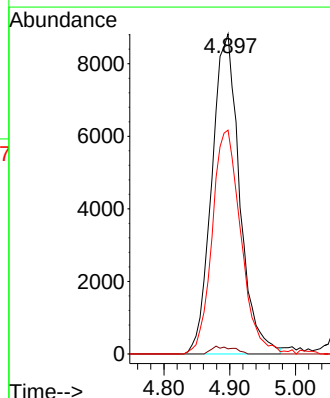
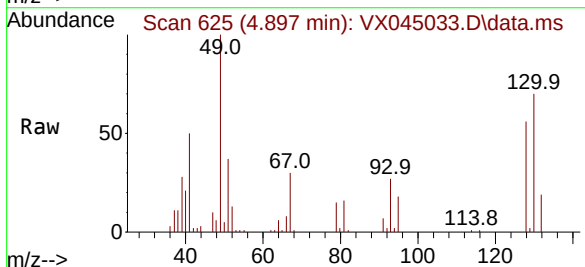
RT: 4.897 min Scan# 625

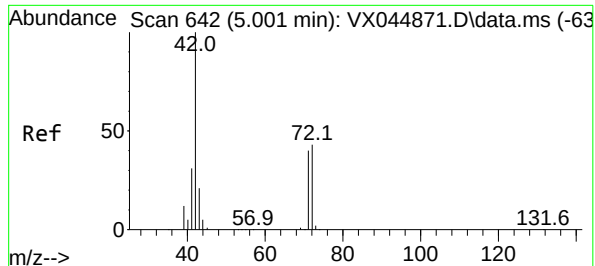
Delta R.T. 0.006 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Tgt Ion:	49	Resp:	25948
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	72.4	56.7	85.1





#29

Tetrahydrofuran

Concen: 119.207 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

Tgt Ion: 42 Resp: 78670

Ion Ratio Lower Upper

42 100

72 42.1 35.0 52.4

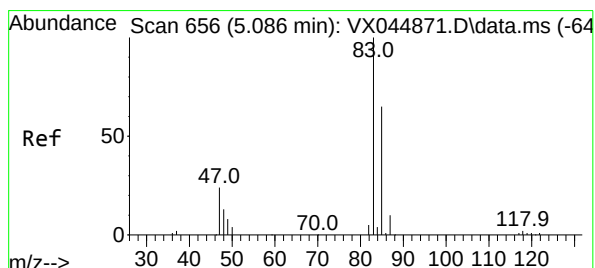
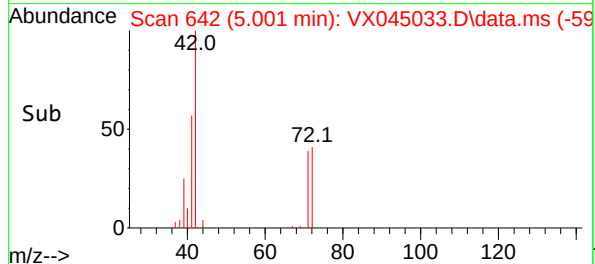
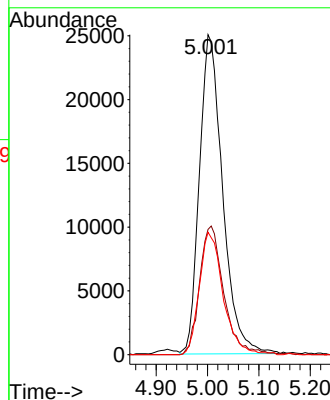
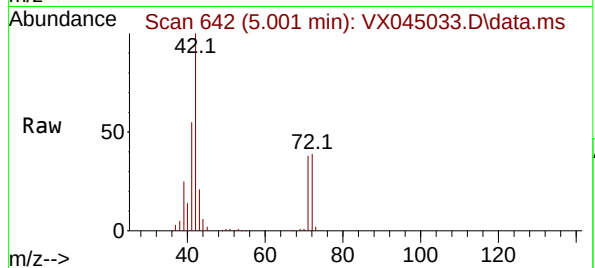
71 39.3 32.6 48.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#30

Chloroform

Concen: 19.701 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX045033.D

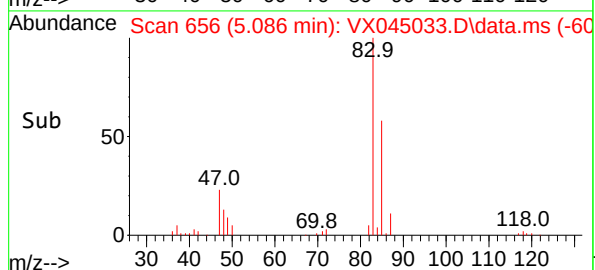
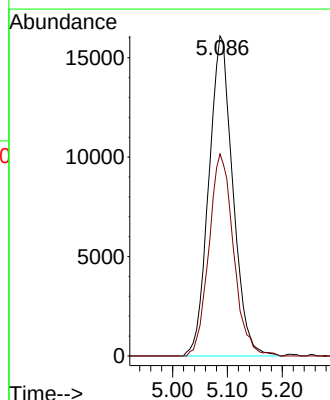
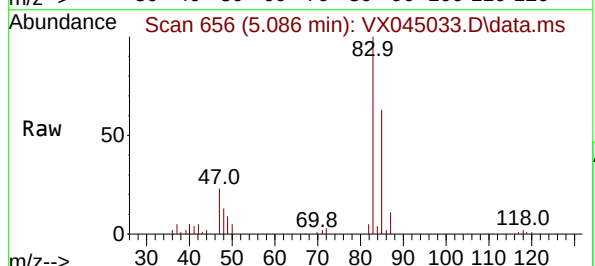
Acq: 25 Feb 2025 12:57

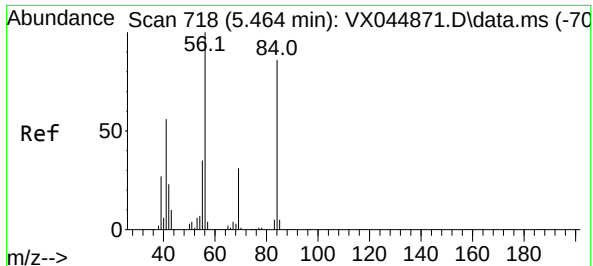
Tgt Ion: 83 Resp: 49005

Ion Ratio Lower Upper

83 100

85 63.1 52.1 78.1





#31

Cyclohexane

Concen: 17.756 ug/l

RT: 5.458 min Scan# 718

Delta R.T. -0.006 min

Lab File: VX045033.D

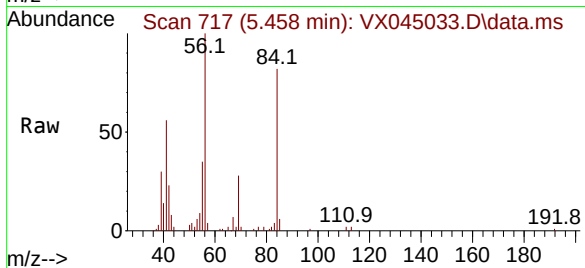
Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

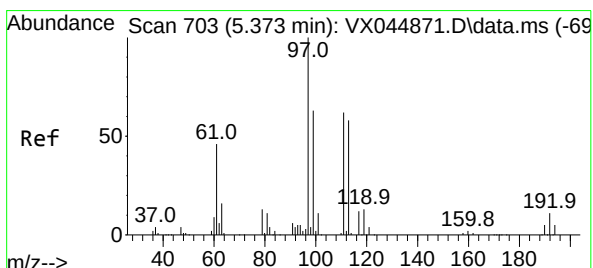
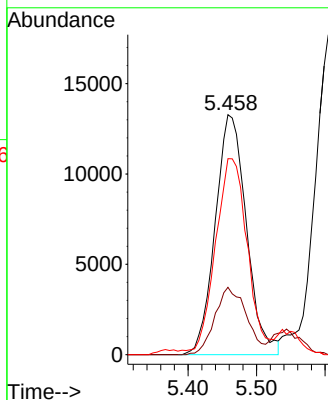
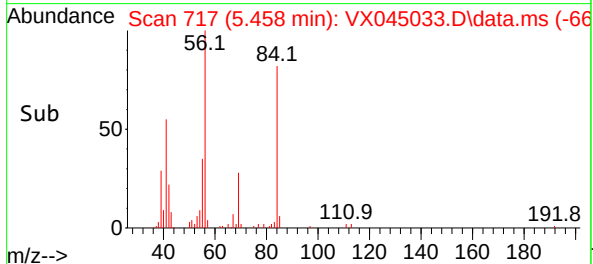


Tgt Ion:	56	Resp:	4198
Ion Ratio	100	Lower	Upper
56	100		
69	28.1	24.4	36.6
84	80.2	69.0	103.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#32

1,1,1-Trichloroethane

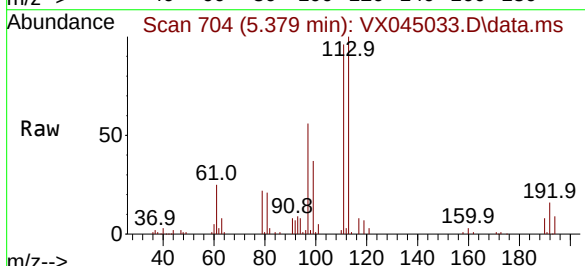
Concen: 18.921 ug/l

RT: 5.379 min Scan# 704

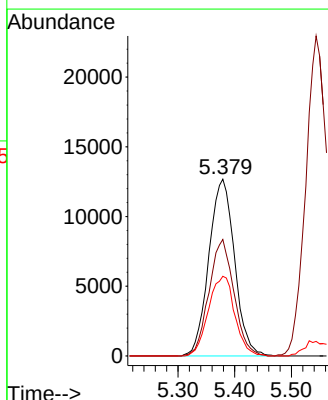
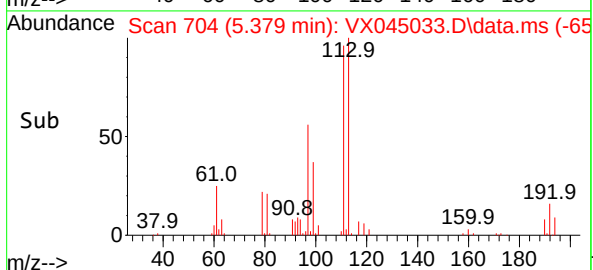
Delta R.T. 0.006 min

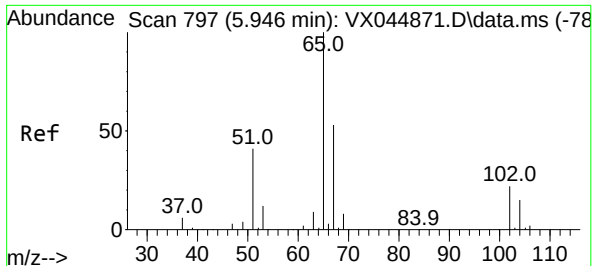
Lab File: VX045033.D

Acq: 25 Feb 2025 12:57



Tgt Ion:	97	Resp:	39919
Ion Ratio	100	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	46.2	36.6	55.0





#33

1,2-Dichloroethane-d4

Concen: 53.383 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

Tgt Ion: 65 Resp: 8128

Ion Ratio Lower Upper

65 100

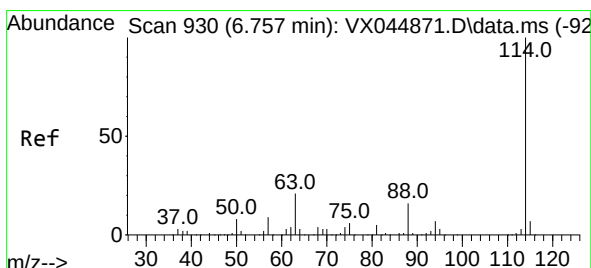
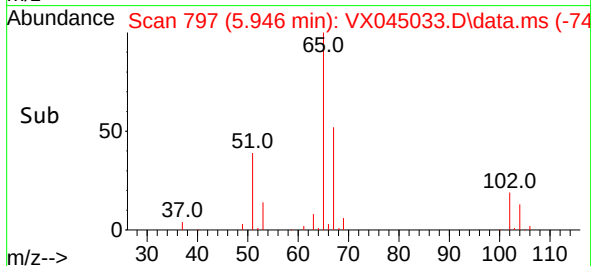
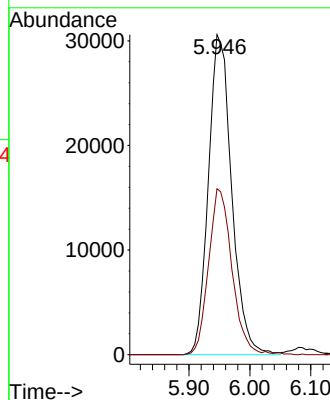
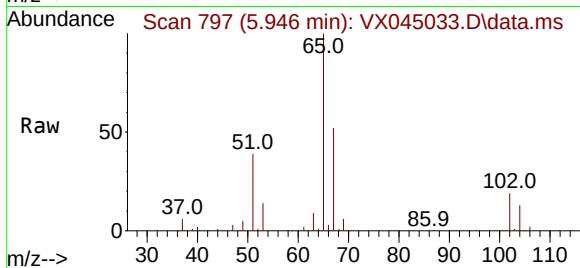
67 51.9 0.0 108.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

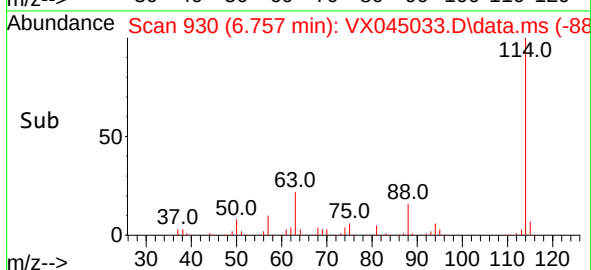
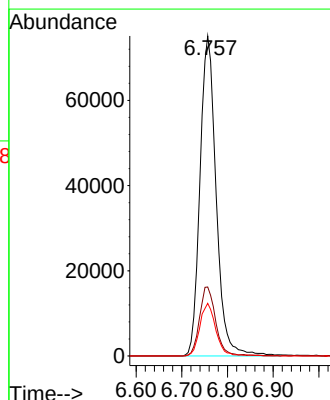
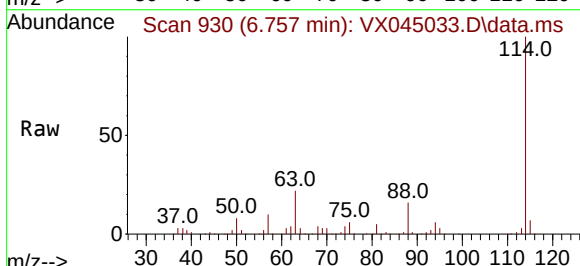
Tgt Ion:114 Resp: 184616

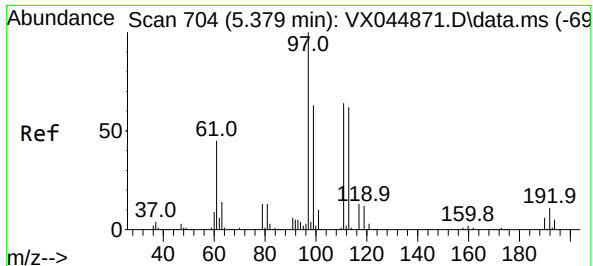
Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.4

88 16.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.701 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

Tgt Ion:113 Resp: 6445

Ion Ratio Lower Upper

113 100

111 100.9 83.5 125.3

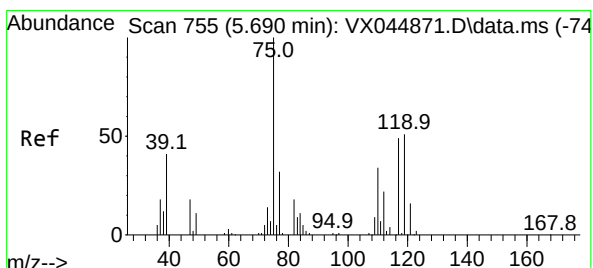
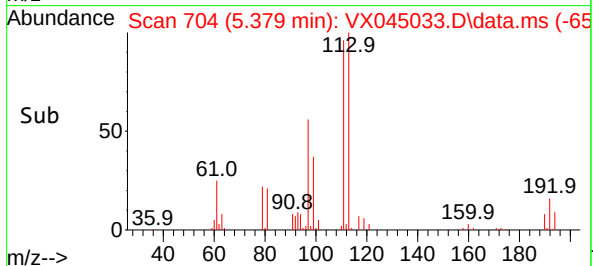
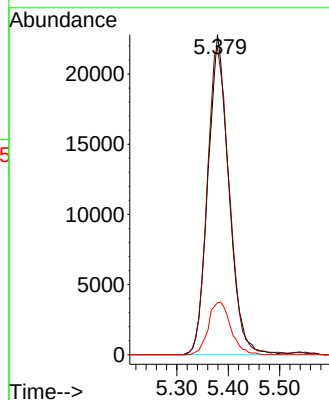
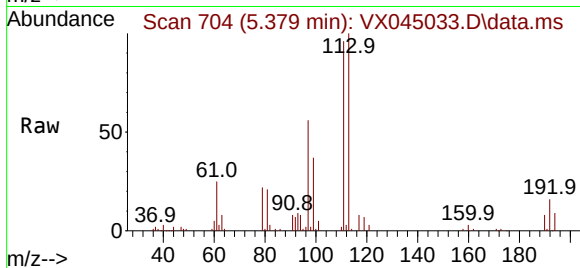
192 17.6 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#36

1,1-Dichloropropene

Concen: 18.184 ug/l

RT: 5.690 min Scan# 755

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

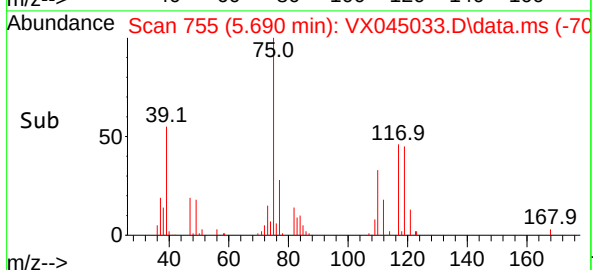
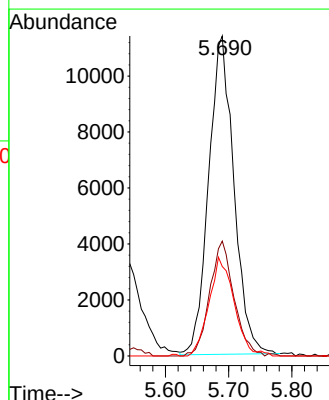
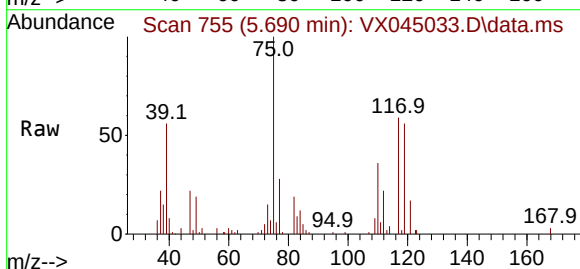
Tgt Ion: 75 Resp: 31489

Ion Ratio Lower Upper

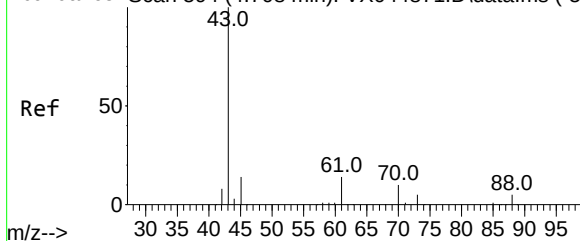
75 100

110 34.6 17.2 51.6

77 31.0 24.6 37.0



Abundance Scan 594 (4.708 min): VX044871.D\data.ms (-58



#37

Ethyl Acetate

Concen: 22.562 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

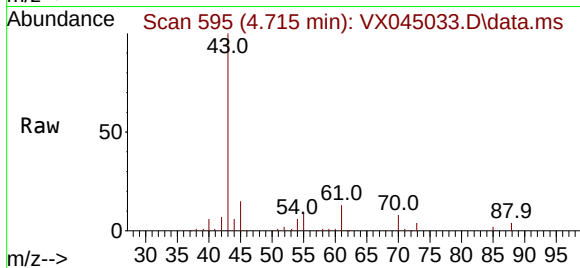
VX0225WBSD01

Tgt Ion:	43	Resp:	4345
Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.0	16.4
70	9.7	8.2	12.2

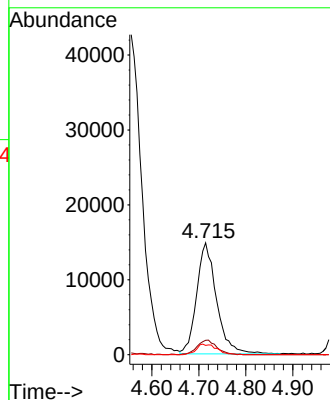
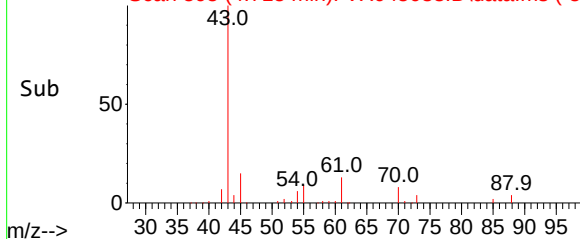
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025

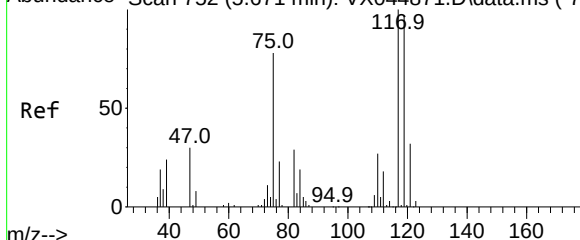
Supervised By :Mahesh Dadoda 02/26/2025



Abundance Scan 595 (4.715 min): VX045033.D\data.ms (-54



Abundance Scan 752 (5.671 min): VX044871.D\data.ms (-74



#38

Carbon Tetrachloride

Concen: 19.625 ug/l

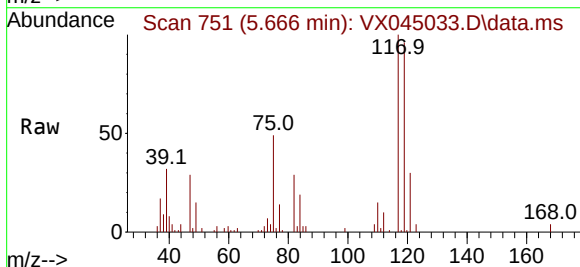
RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

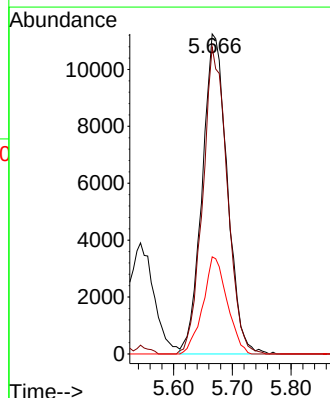
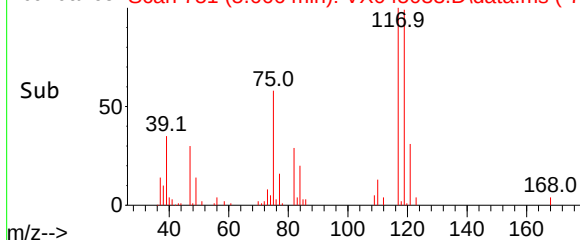
Lab File: VX045033.D

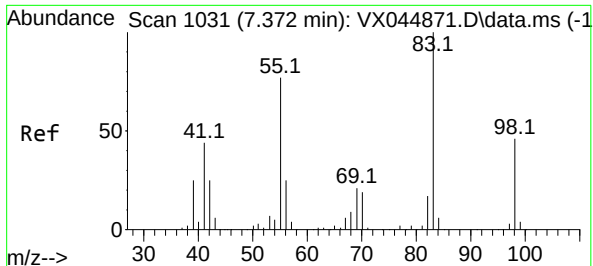
Acq: 25 Feb 2025 12:57

Tgt Ion:	117	Resp:	33303
Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.5	116.3
121	30.3	25.6	38.4



Abundance Scan 751 (5.666 min): VX045033.D\data.ms (-70





#39

Methylcyclohexane

Concen: 18.750 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

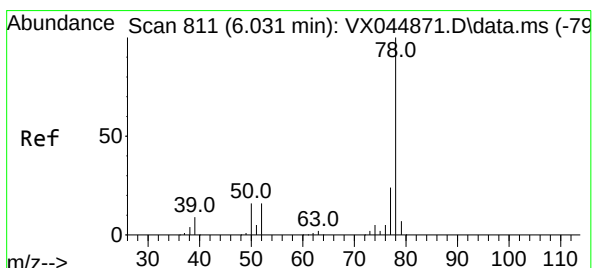
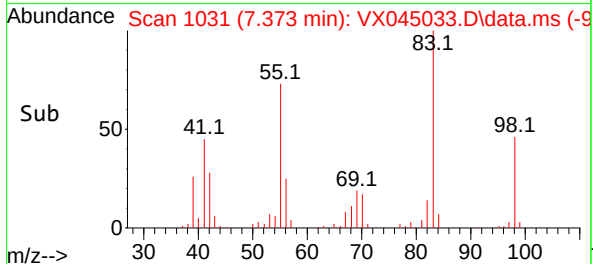
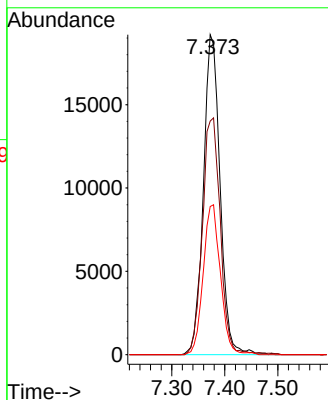
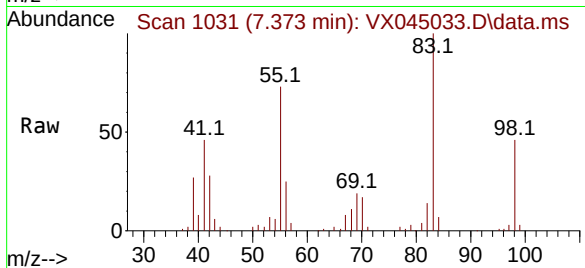
Tgt Ion: 83	Resp: 41979
Ion Ratio	Lower Upper
83	100
55	73.0 61.3 91.9
98	46.3 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#40

Benzene

Concen: 18.805 ug/l

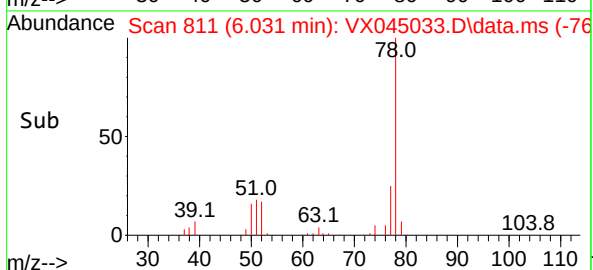
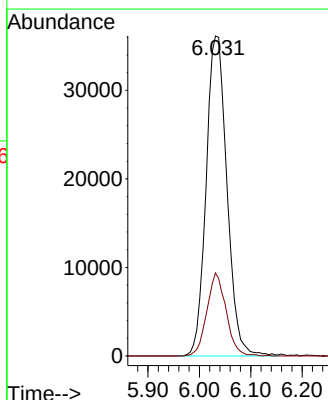
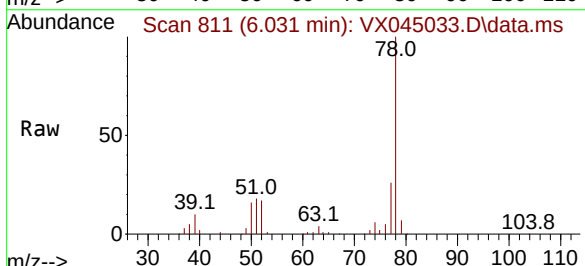
RT: 6.031 min Scan# 811

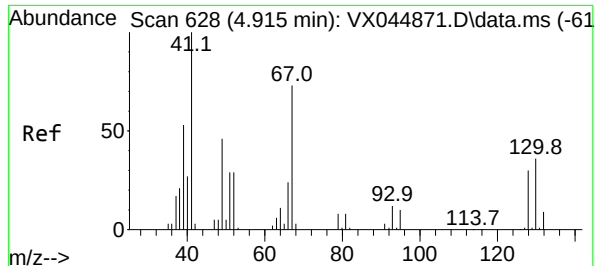
Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Tgt Ion: 78	Resp: 101685
Ion Ratio	Lower Upper
78	100
77	25.9 19.0 28.6





#41

Methacrylonitrile

Concen: 24.513 ug/l

RT: 4.922 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

Tgt Ion: 41 Resp: 2527

Ion Ratio Lower Upper

41 100

39 52.5 43.1 64.7

67 67.6 57.0 85.6

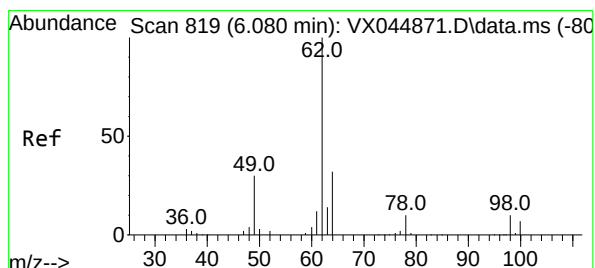
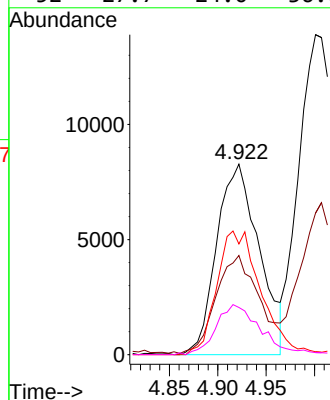
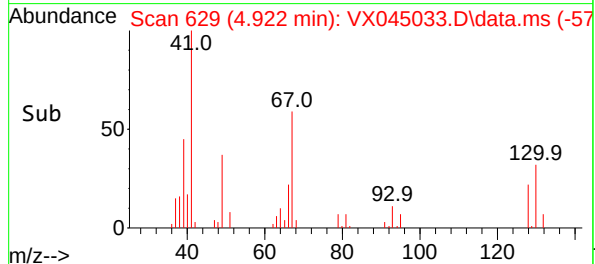
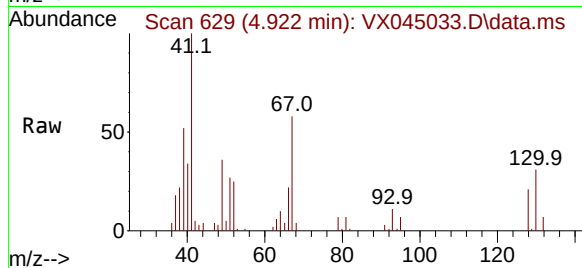
52 27.7 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#42

1,2-Dichloroethane

Concen: 21.453 ug/l

RT: 6.080 min Scan# 819

Delta R.T. 0.000 min

Lab File: VX045033.D

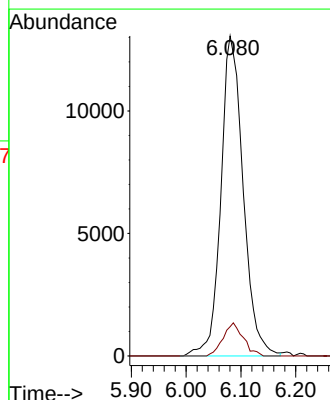
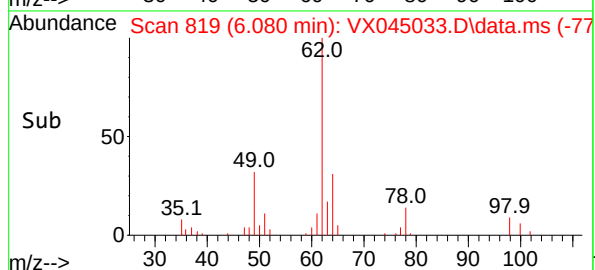
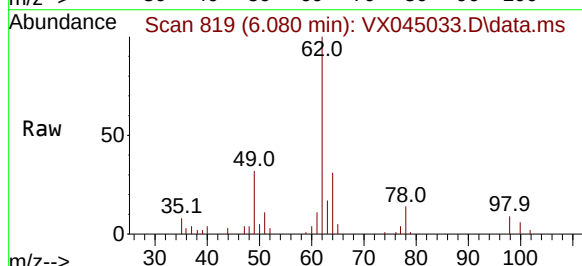
Acq: 25 Feb 2025 12:57

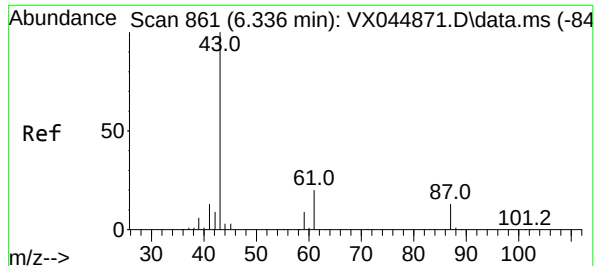
Tgt Ion: 62 Resp: 36973

Ion Ratio Lower Upper

62 100

98 9.4 0.0 19.4





#43

Isopropyl Acetate

Concen: 21.820 ug/l

RT: 6.342 min Scan# 861

Delta R.T. 0.006 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

Tgt Ion: 43 Resp: 6786

Ion Ratio Lower Upper

43 100

61 18.6 15.8 23.8

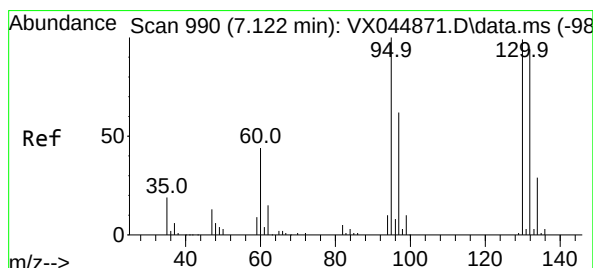
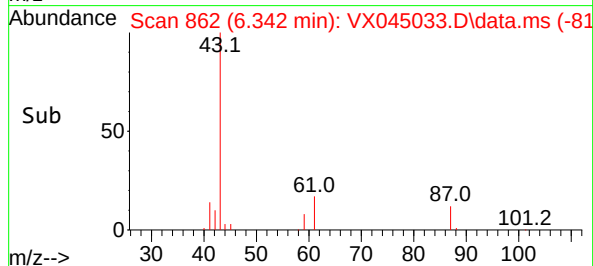
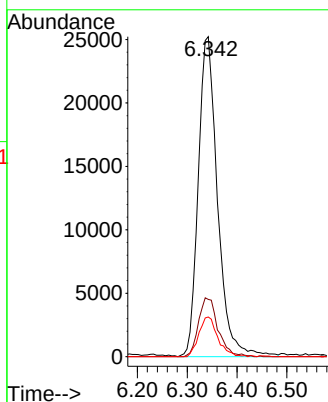
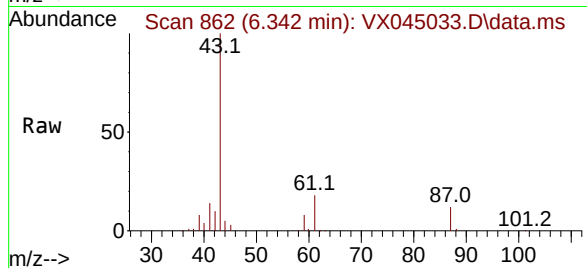
87 12.1 10.0 15.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#44

Trichloroethene

Concen: 19.366 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX045033.D

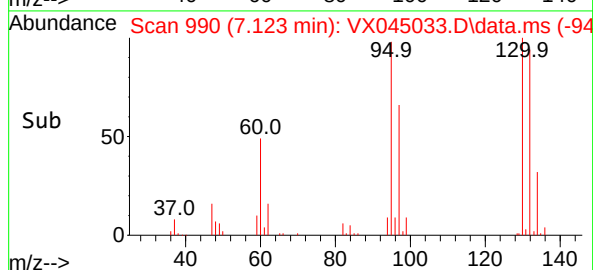
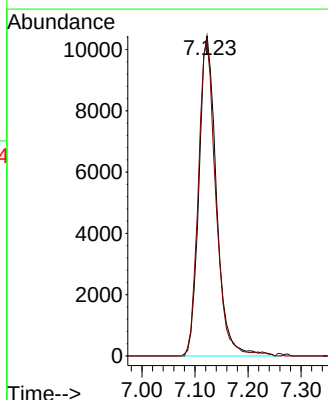
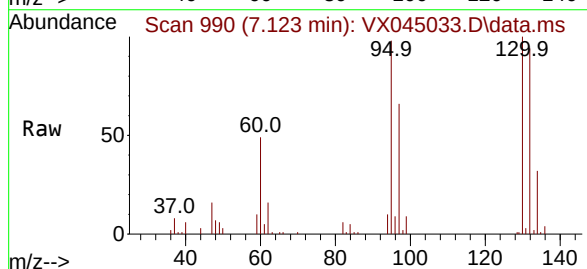
Acq: 25 Feb 2025 12:57

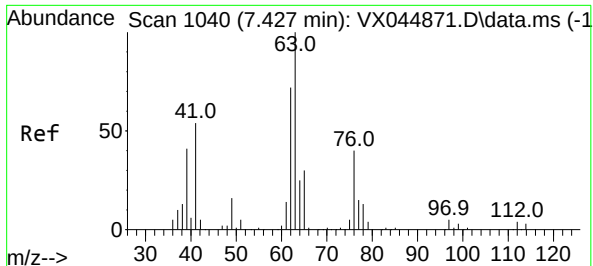
Tgt Ion:130 Resp: 23937

Ion Ratio Lower Upper

130 100

95 98.5 0.0 202.4





#45

1,2-Dichloropropane

Concen: 19.873 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

Tgt Ion: 63 Resp: 2673

Ion Ratio Lower Upper

63 100

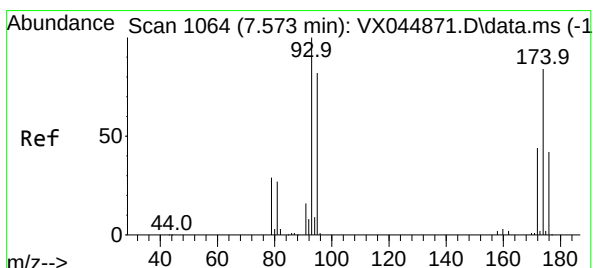
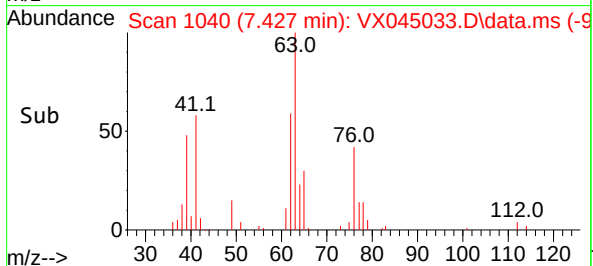
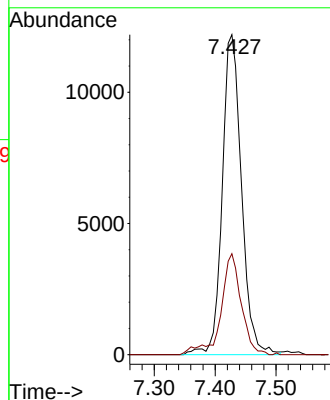
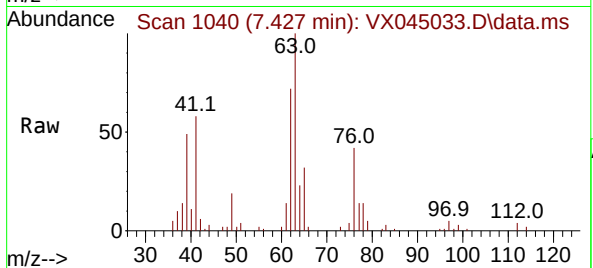
65 31.5 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#46

Dibromomethane

Concen: 20.656 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

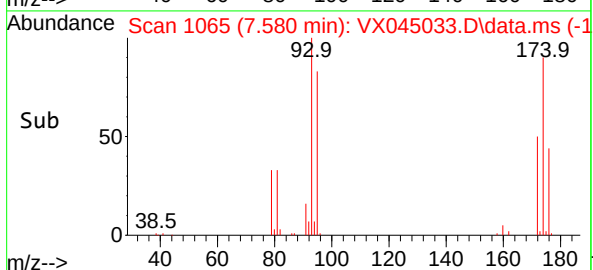
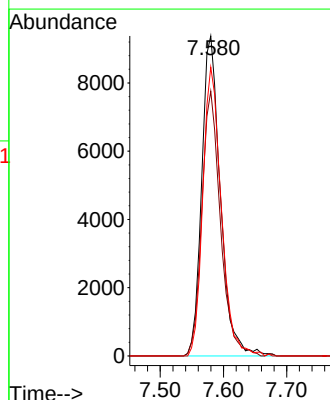
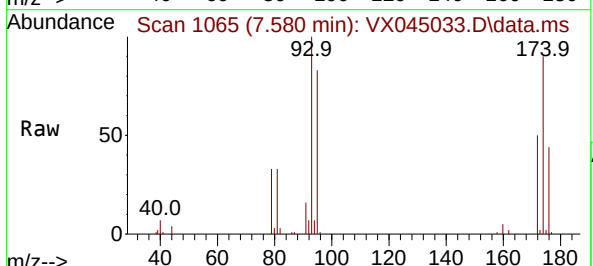
Tgt Ion: 93 Resp: 19271

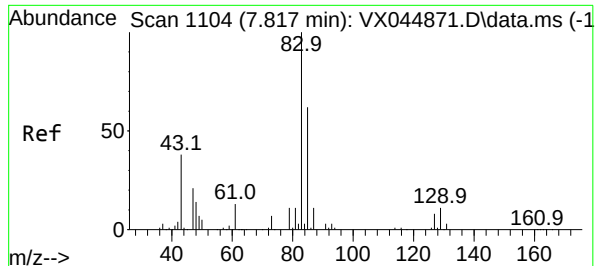
Ion Ratio Lower Upper

93 100

95 82.4 66.2 99.4

174 89.3 69.9 104.9





#47

Bromodichloromethane

Concen: 20.908 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

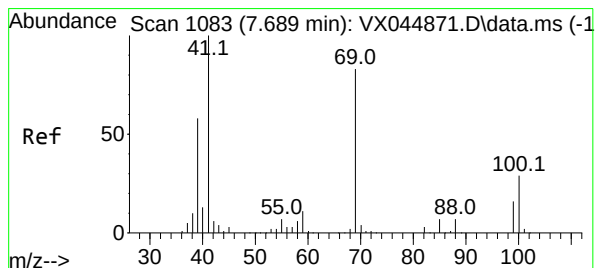
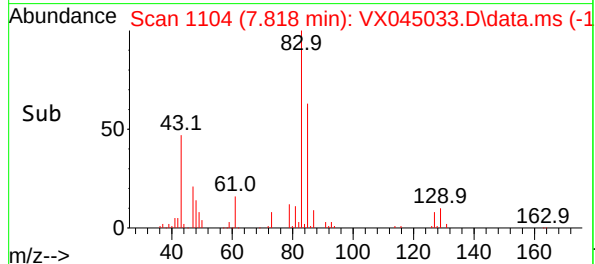
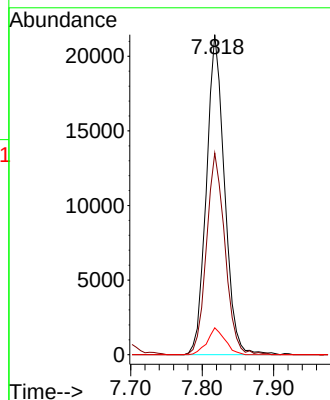
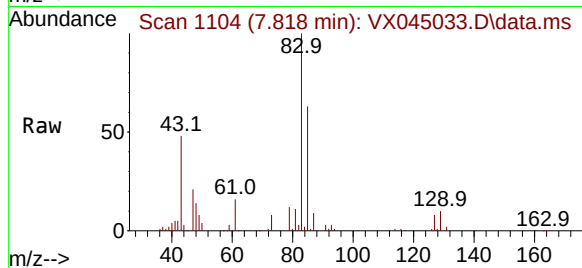
VX0225WBSD01

Tgt Ion:	83	Resp:	3777
Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.0	75.0
127	8.4	6.4	9.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#48

Methyl methacrylate

Concen: 22.760 ug/l

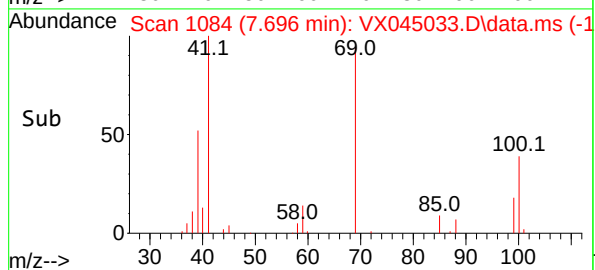
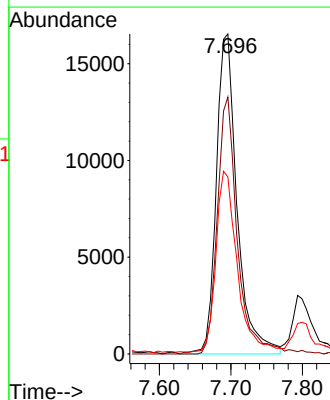
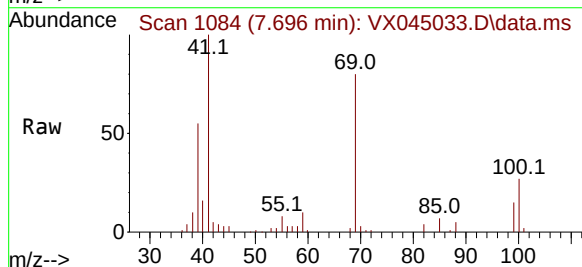
RT: 7.696 min Scan# 1084

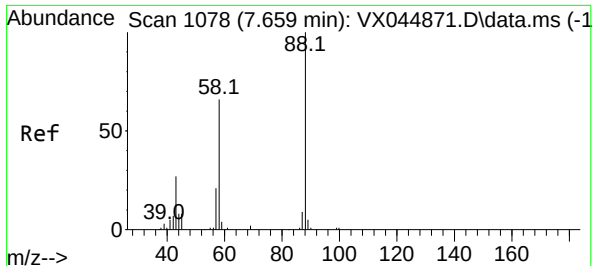
Delta R.T. 0.006 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Tgt Ion:	41	Resp:	33381
Ion	Ratio	Lower	Upper
41	100		
69	77.9	65.8	98.8
39	57.6	46.4	69.6





#49

1,4-Dioxane

Concen: 493.544 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

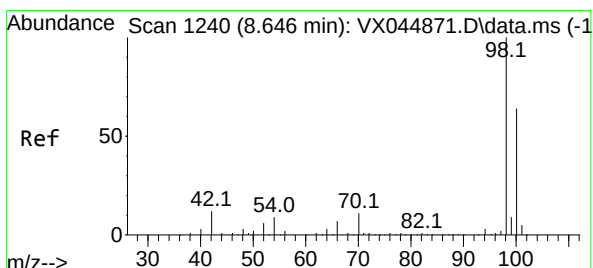
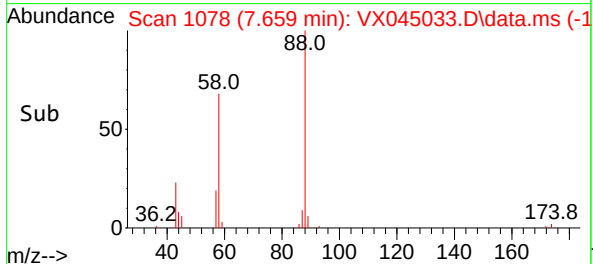
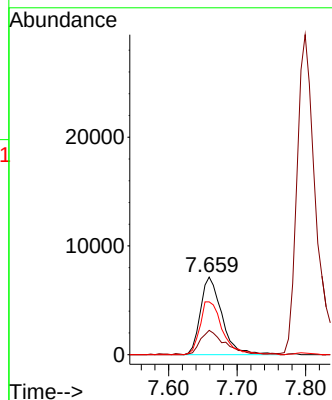
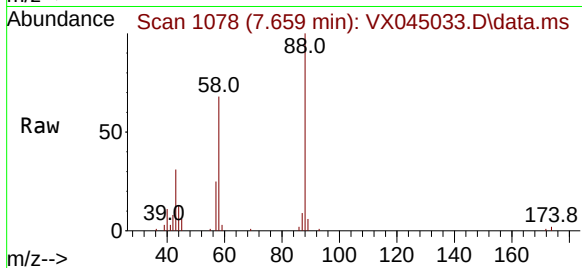
VX0225WBSD01

Tgt Ion:	88	Resp:	15530
Ion	Ratio	Lower	Upper
88	100		
43	35.7	26.6	39.8
58	71.5	55.9	83.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#50

Toluene-d8

Concen: 49.732 ug/l

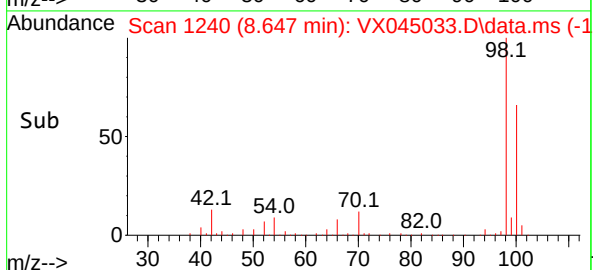
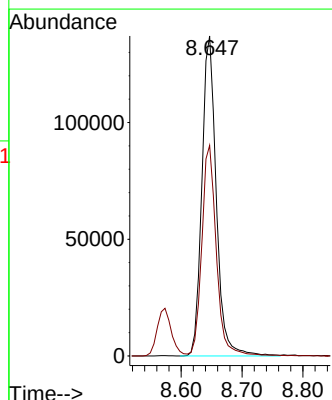
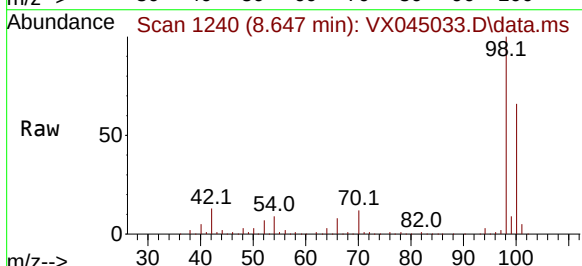
RT: 8.647 min Scan# 1240

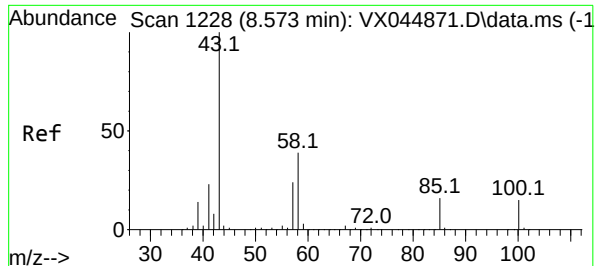
Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Tgt Ion:	98	Resp:	225725
Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.7	79.1





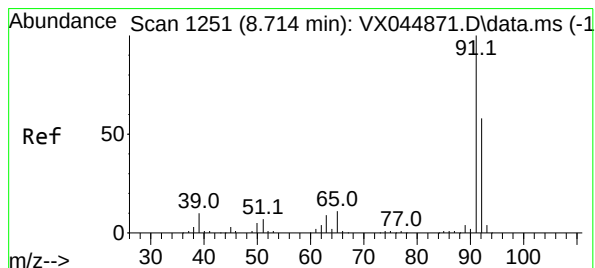
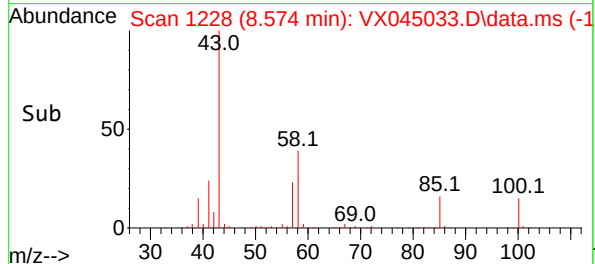
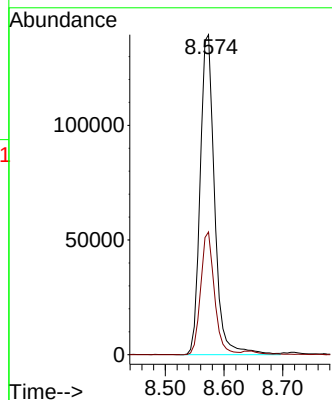
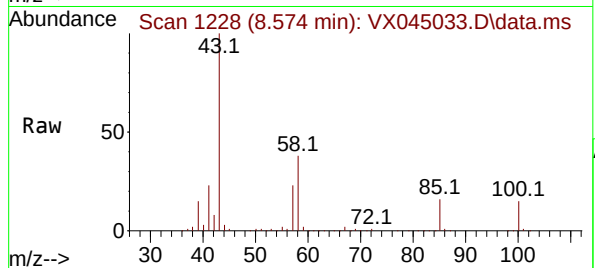
#51
4-Methyl-2-Pentanone
Concen: 126.106 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion: 43 Resp: 23846
Ion Ratio Lower Upper
43 100
58 36.7 30.8 46.2

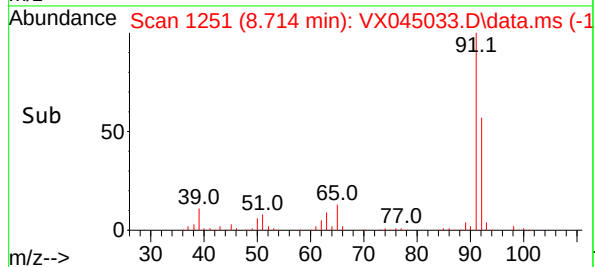
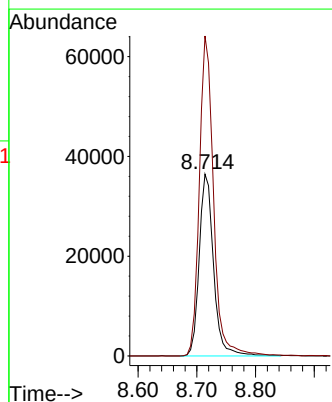
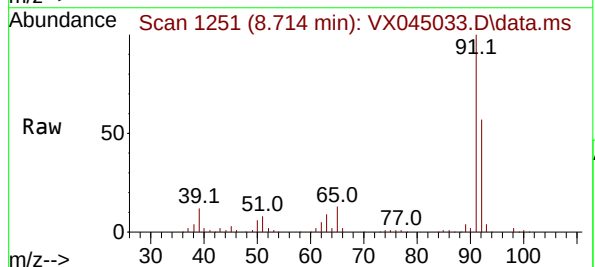
Manual Integrations
APPROVED

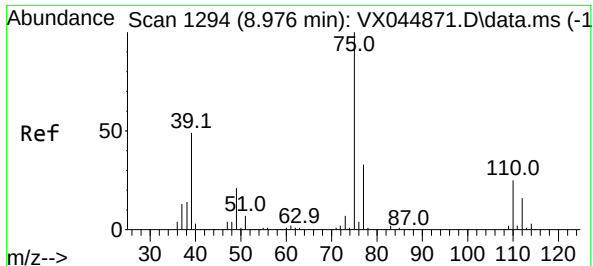
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#52
Toluene
Concen: 19.284 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 92 Resp: 62103
Ion Ratio Lower Upper
92 100
91 173.9 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 18.288 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

Tgt Ion: 75 Resp: 3343

Ion Ratio Lower Upper

75 100

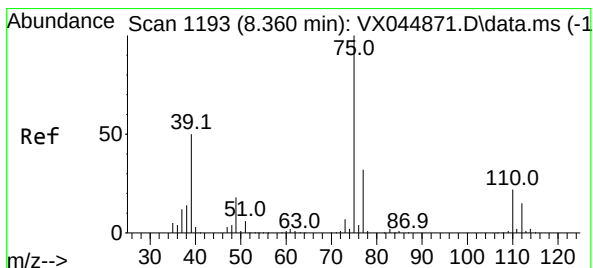
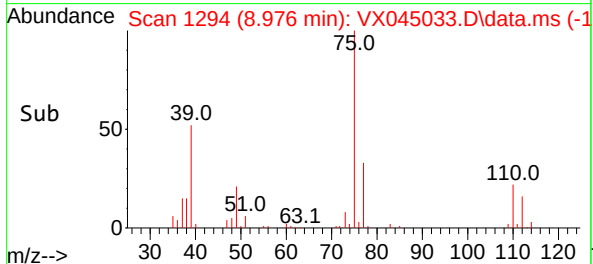
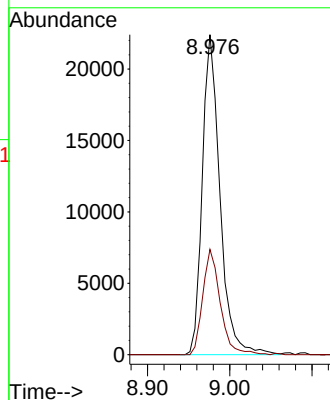
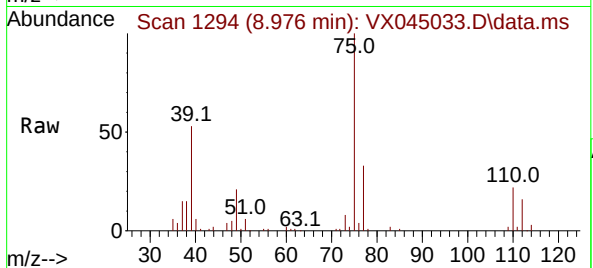
77 32.9 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#54

cis-1,3-Dichloropropene

Concen: 19.666 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

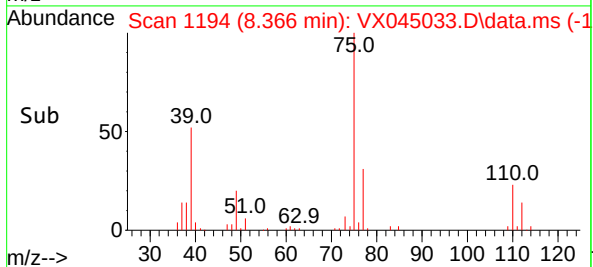
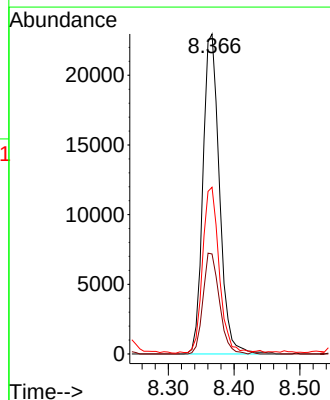
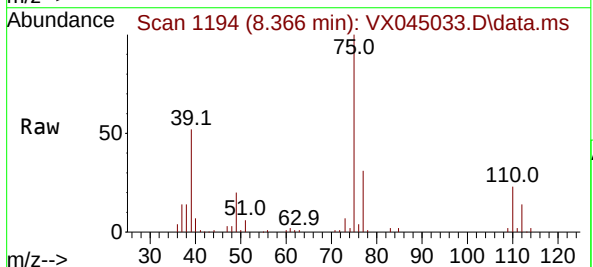
Tgt Ion: 75 Resp: 40084

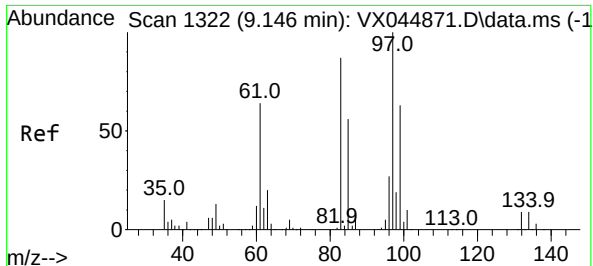
Ion Ratio Lower Upper

75 100

77 31.3 25.3 37.9

39 51.6 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 21.027 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

Tgt Ion: 97 Resp: 2603

Ion Ratio Lower Upper

97 100

83 81.5 69.8 104.6

85 56.7 44.8 67.2

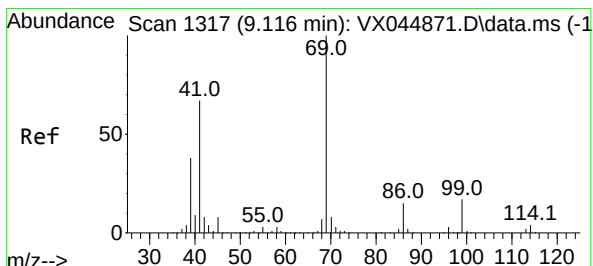
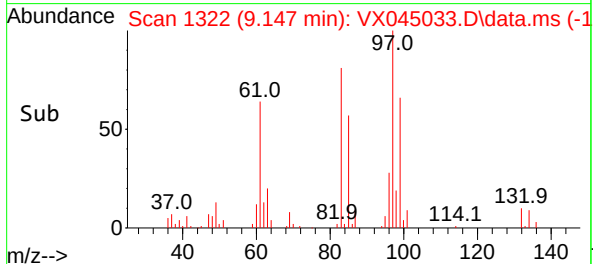
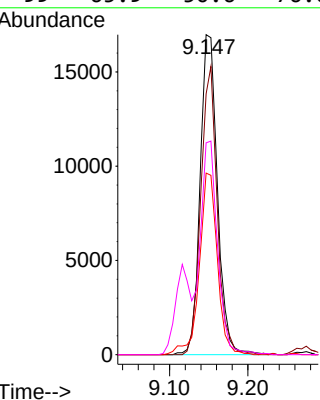
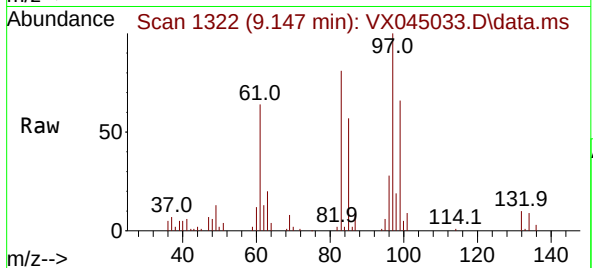
99 65.9 50.6 76.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#56

Ethyl methacrylate

Concen: 20.616 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

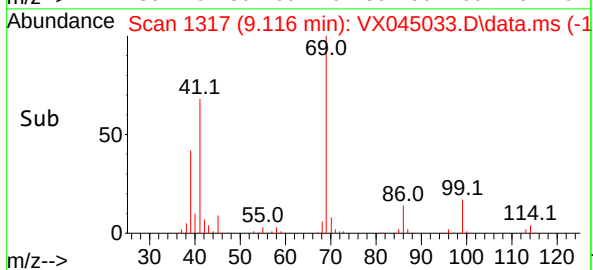
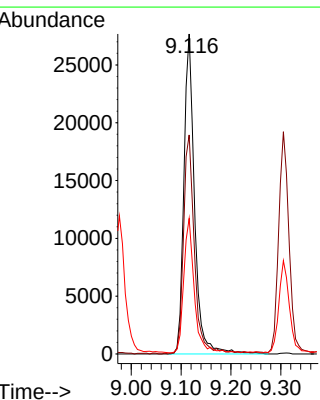
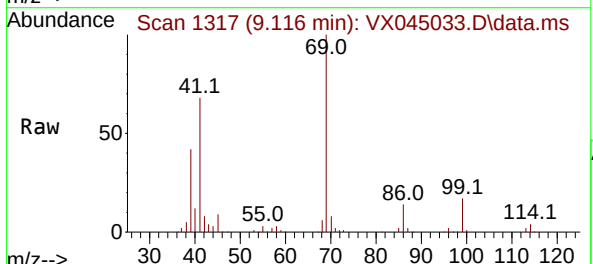
Tgt Ion: 69 Resp: 41220

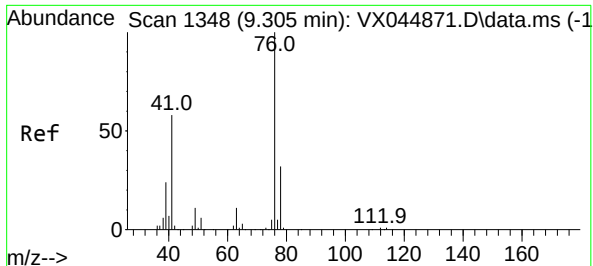
Ion Ratio Lower Upper

69 100

41 69.4 55.2 82.8

39 41.6 30.8 46.2





#57

1,3-Dichloropropane

Concen: 20.641 ug/l

RT: 9.305 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

Tgt Ion: 76 Resp: 44709

Ion Ratio Lower Upper

76 100

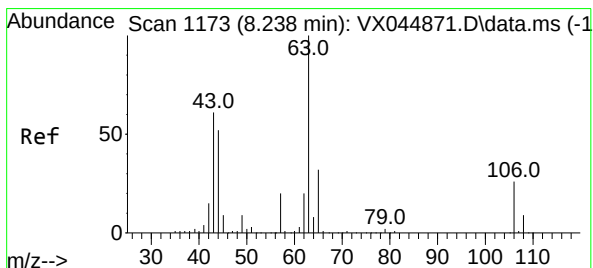
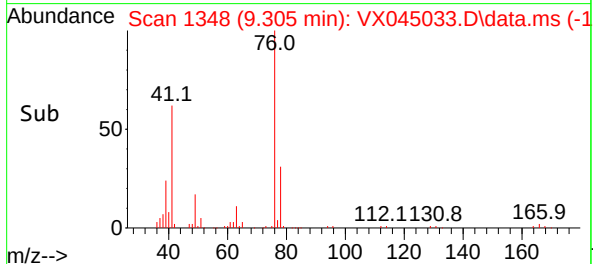
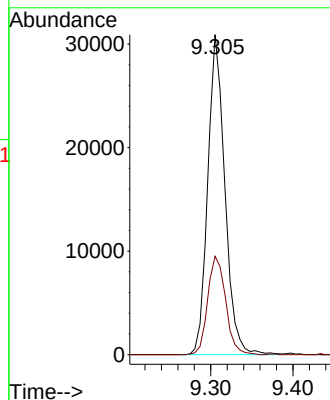
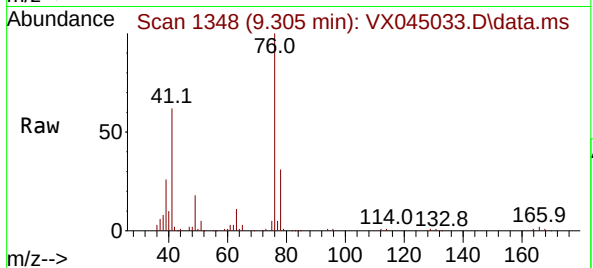
78 32.3 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#58

2-Chloroethyl Vinyl ether

Concen: 90.045 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX045033.D

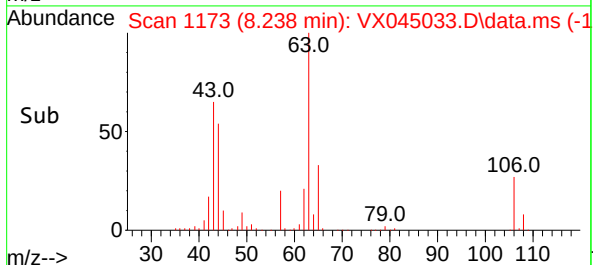
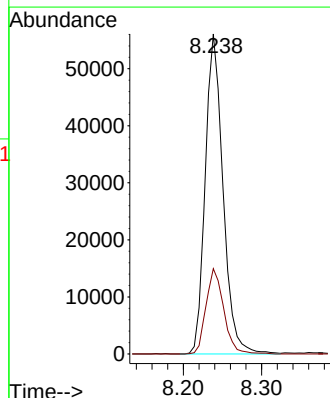
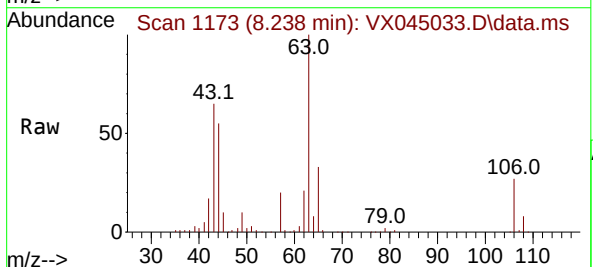
Acq: 25 Feb 2025 12:57

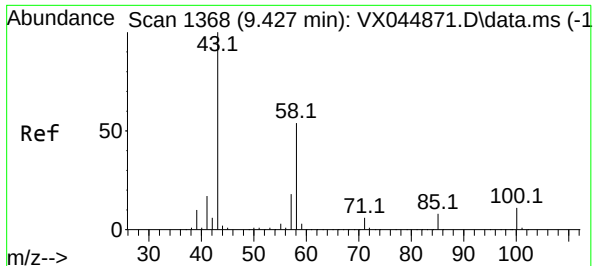
Tgt Ion: 63 Resp: 88402

Ion Ratio Lower Upper

63 100

106 26.5 21.3 31.9





#59

2-Hexanone

Concen: 129.175 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

Tgt Ion: 43 Resp: 17598

Ion Ratio Lower Upper

43 100

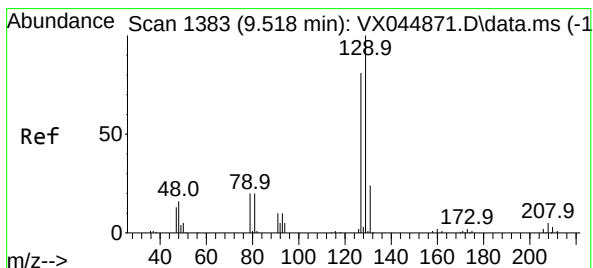
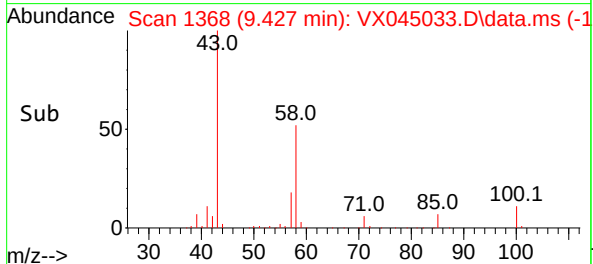
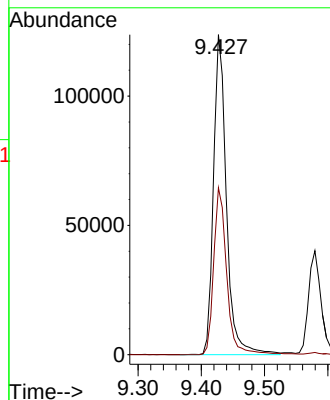
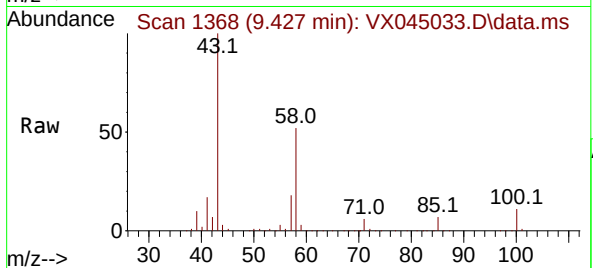
58 52.9 27.5 82.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#60

Dibromochloromethane

Concen: 20.666 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX045033.D

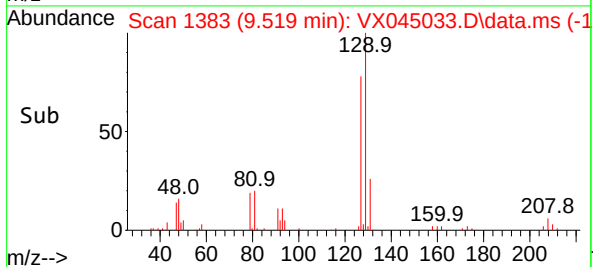
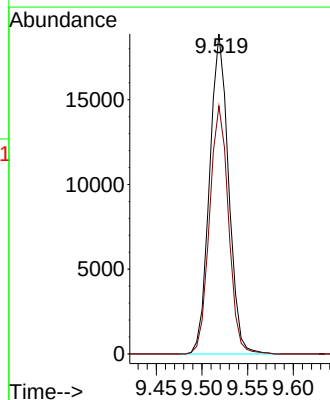
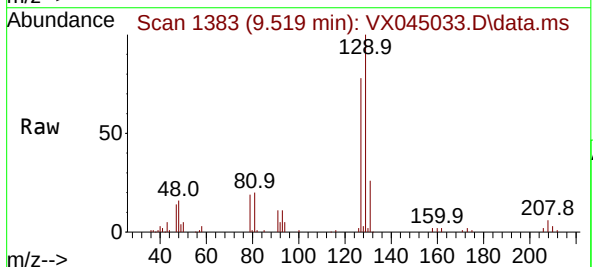
Acq: 25 Feb 2025 12:57

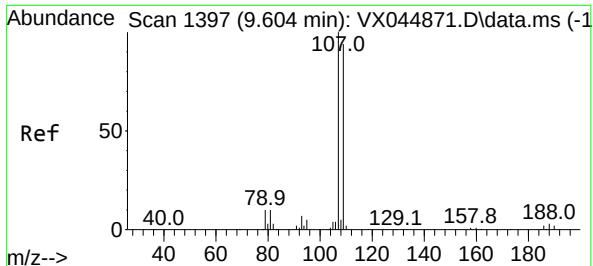
Tgt Ion:129 Resp: 27361

Ion Ratio Lower Upper

129 100

127 77.1 39.1 117.3





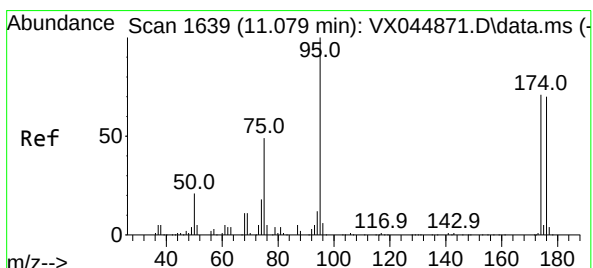
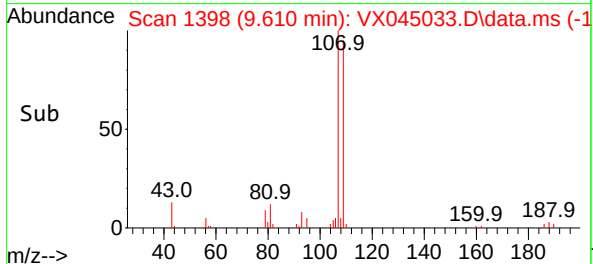
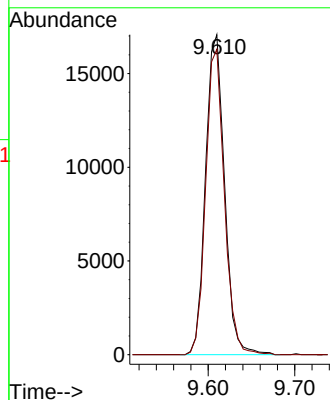
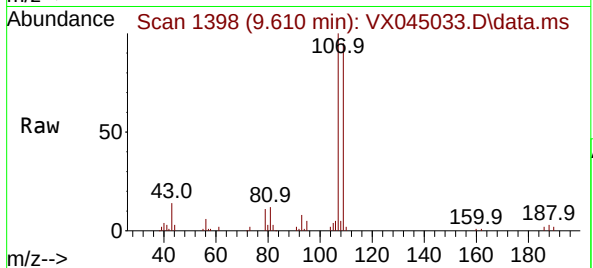
#61
1,2-Dibromoethane
Concen: 20.725 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion:107 Resp: 2600
Ion Ratio Lower Upper
107 100
109 94.0 75.9 113.9

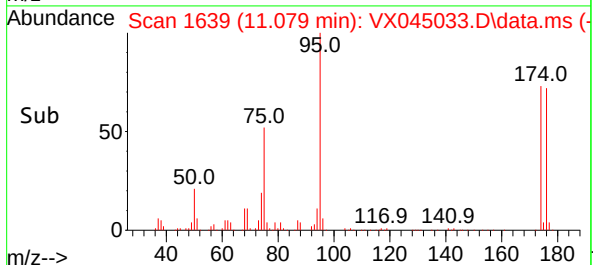
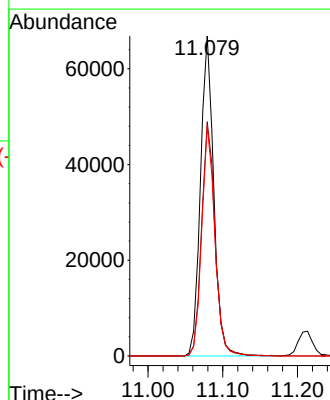
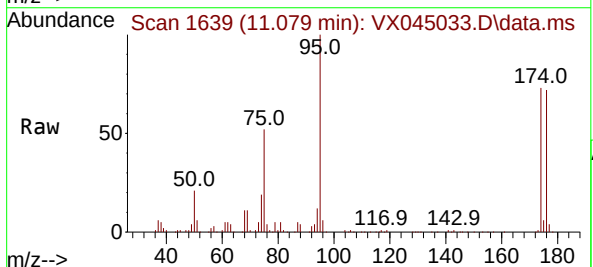
Manual Integrations
APPROVED

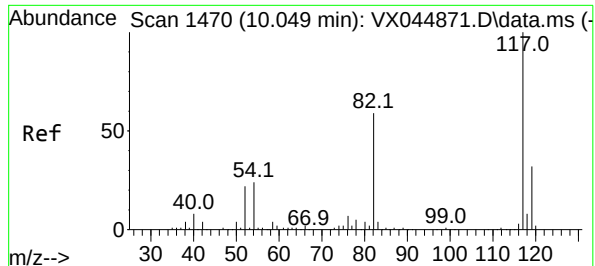
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#62
4-Bromofluorobenzene
Concen: 53.799 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 95 Resp: 82320
Ion Ratio Lower Upper
95 100
174 74.1 0.0 142.6
176 71.3 0.0 141.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

Tgt Ion:117 Resp: 164218

Ion Ratio Lower Upper

117 100

82 58.9 47.5 71.3

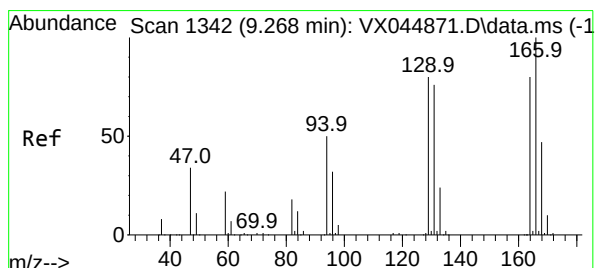
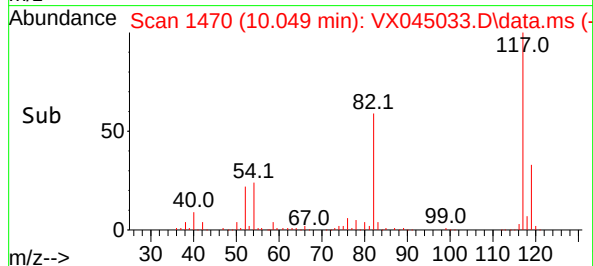
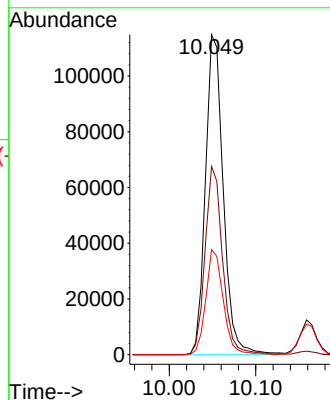
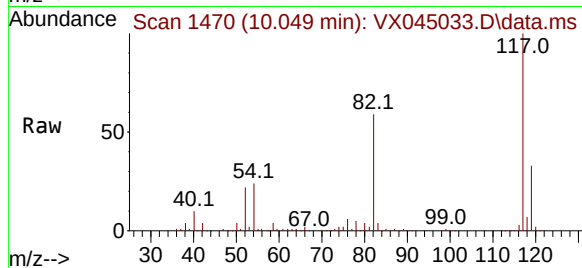
119 32.8 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#64

Tetrachloroethene

Concen: 19.217 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Tgt Ion:164 Resp: 19902

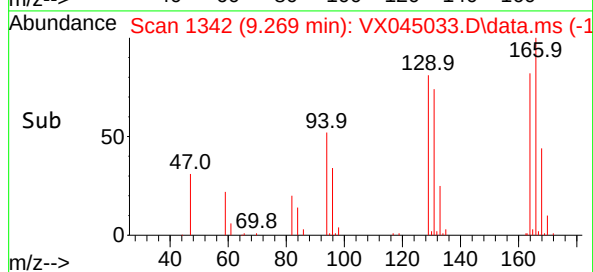
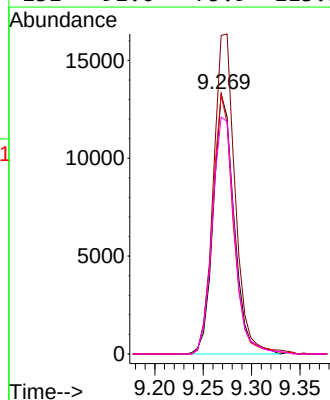
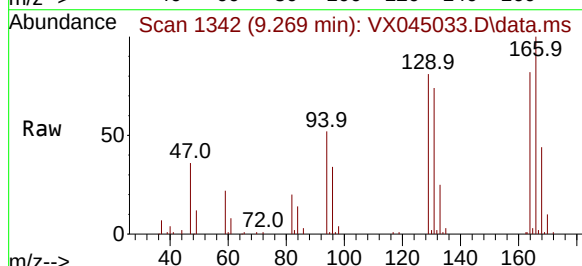
Ion Ratio Lower Upper

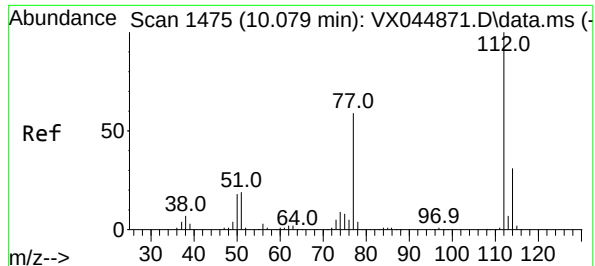
164 100

166 122.4 100.4 150.6

129 99.5 79.9 119.9

131 91.0 75.9 113.9





#65

Chlorobenzene

Concen: 19.299 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

Tgt Ion:112 Resp: 68070

Ion Ratio Lower Upper

112 100

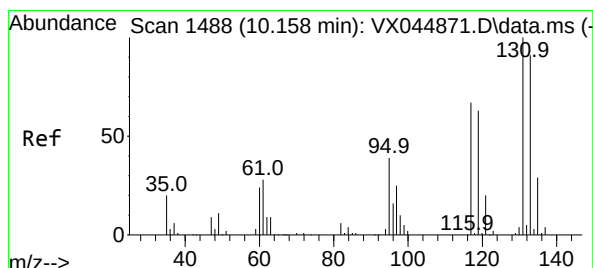
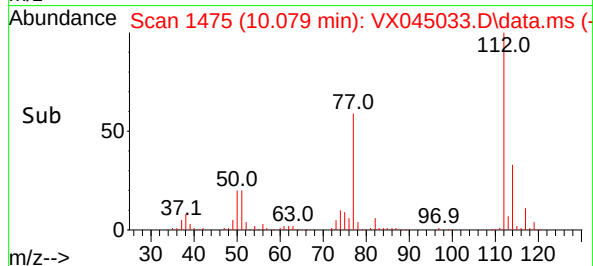
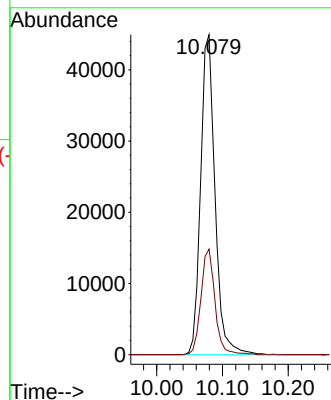
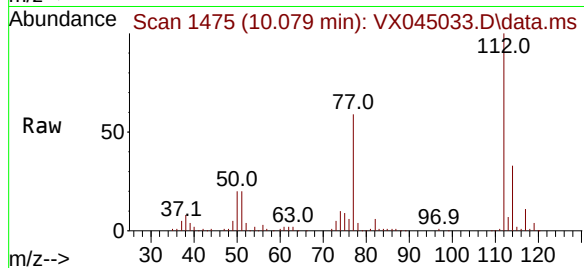
114 33.0 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 19.942 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

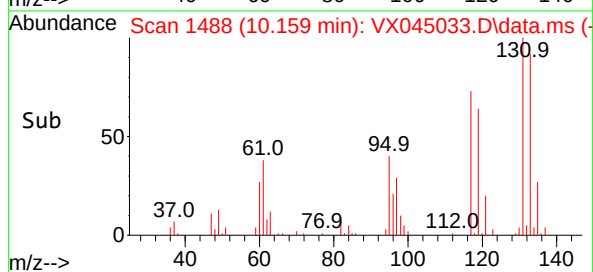
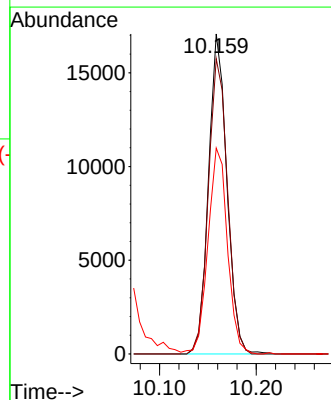
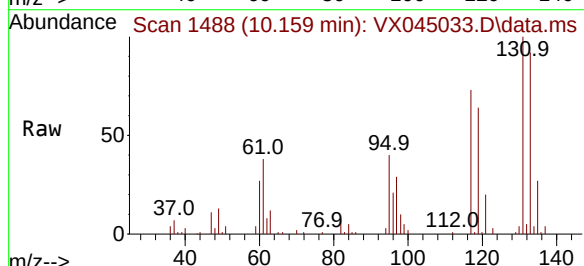
Tgt Ion:131 Resp: 22640

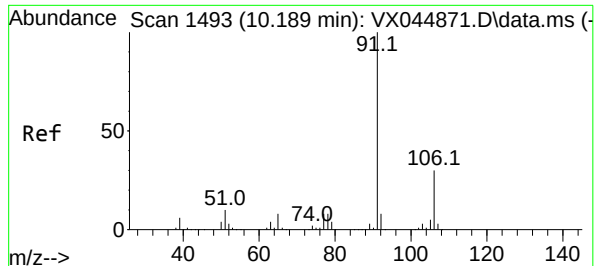
Ion Ratio Lower Upper

131 100

133 96.3 47.1 141.3

119 67.9 33.6 100.6





#67

Ethyl Benzene

Concen: 19.150 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

Tgt Ion: 91 Resp: 11919

Ion Ratio Lower Upper

91 100

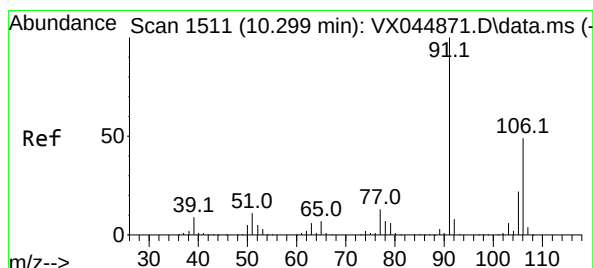
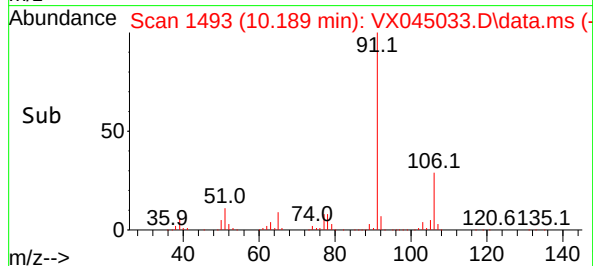
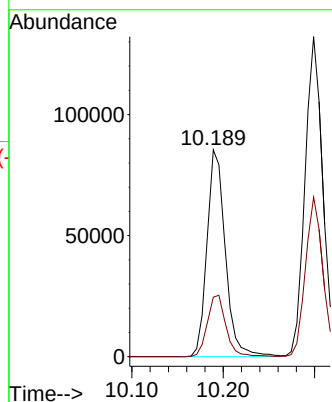
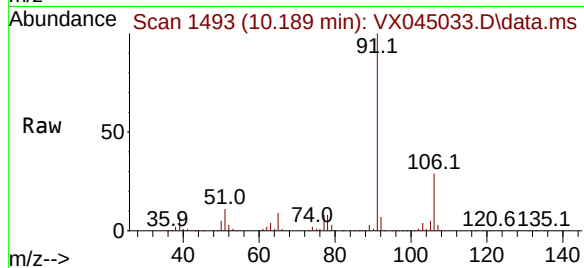
106 28.8 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#68

m/p-Xylenes

Concen: 39.486 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX045033.D

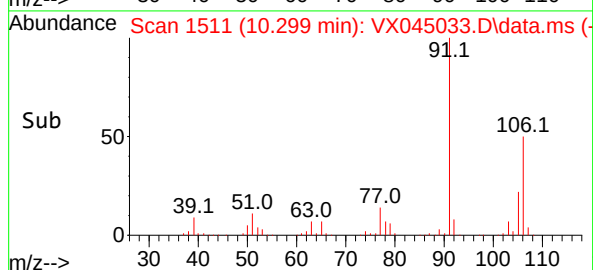
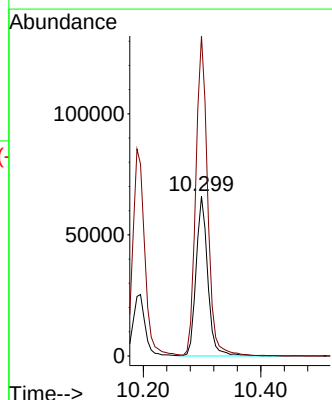
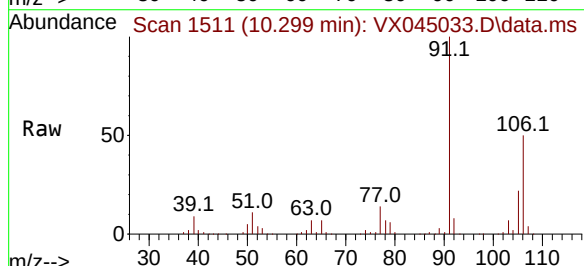
Acq: 25 Feb 2025 12:57

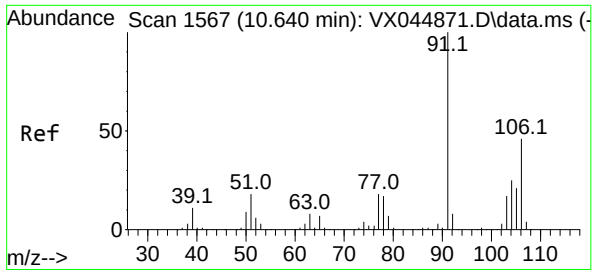
Tgt Ion:106 Resp: 90661

Ion Ratio Lower Upper

106 100

91 202.0 164.3 246.5





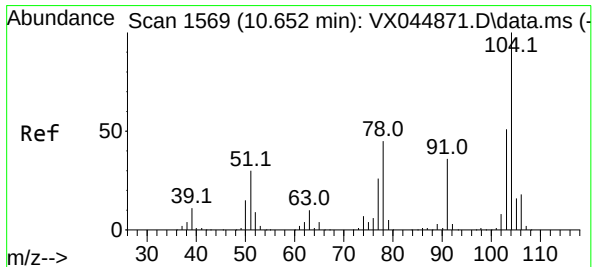
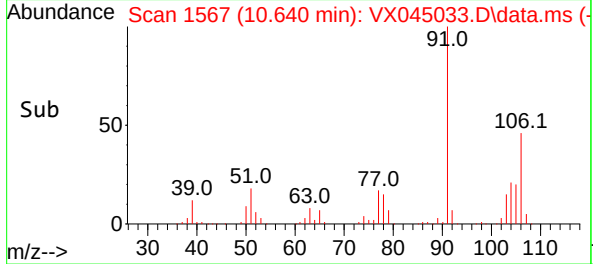
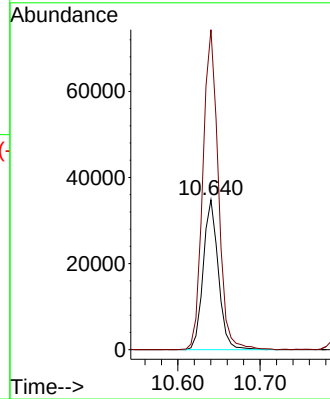
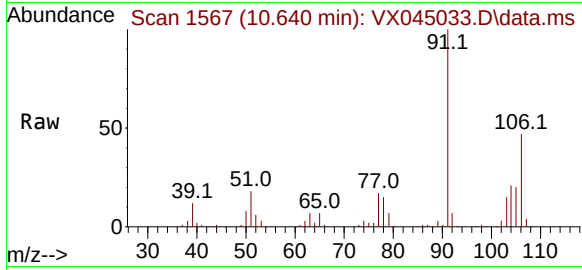
#69
o-Xylene
Concen: 19.307 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion:106 Resp: 4448
Ion Ratio Lower Upper
106 100
91 218.5 108.5 325.5

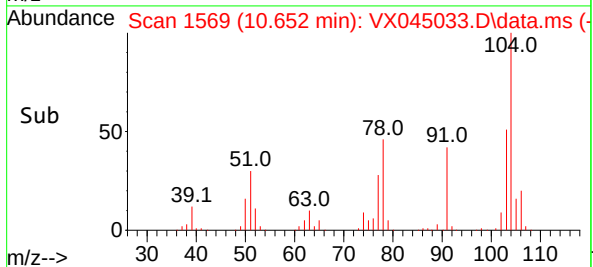
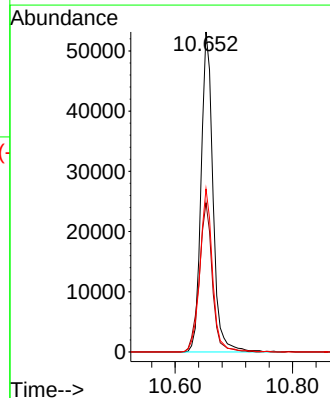
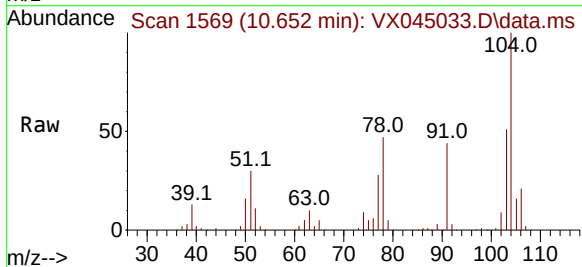
Manual Integrations
APPROVED

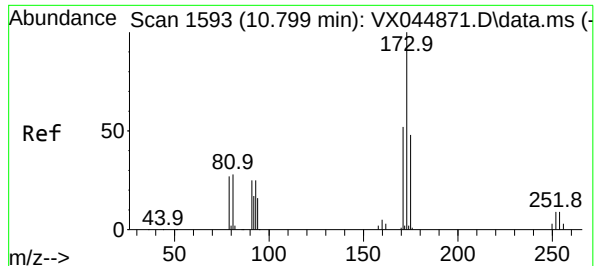
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#70
Styrene
Concen: 20.171 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

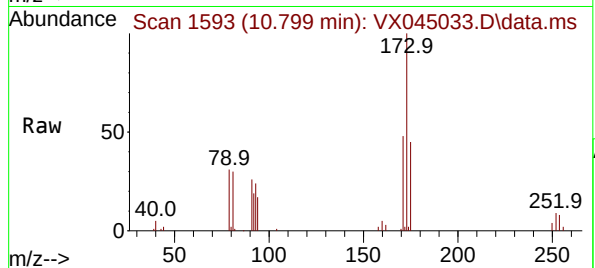
Tgt Ion:104 Resp: 74872
Ion Ratio Lower Upper
104 100
78 50.6 40.5 60.7
103 54.0 43.6 65.4





#71
Bromoform
Concen: 21.169 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

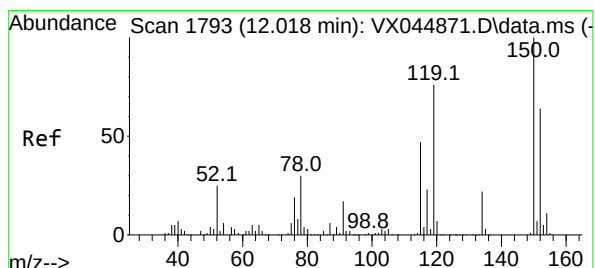
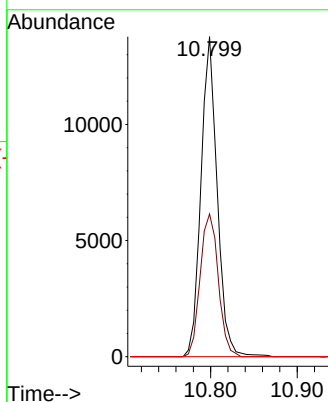
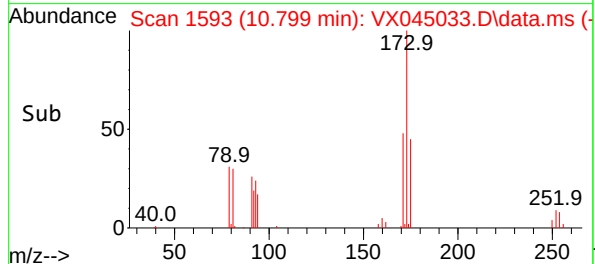
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01



Tgt Ion:173 Resp: 17930
Ion Ratio Lower Upper
173 100
175 49.7 24.3 72.8
254 0.0 0.0 0.0

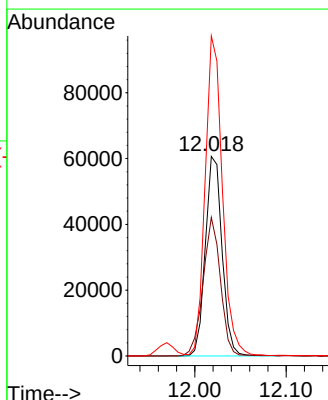
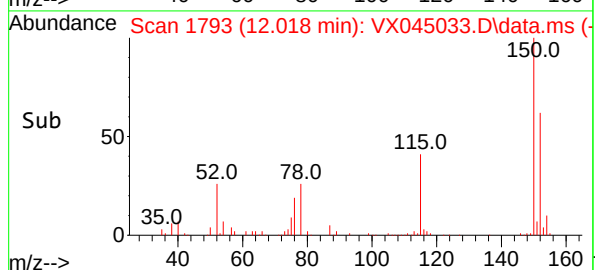
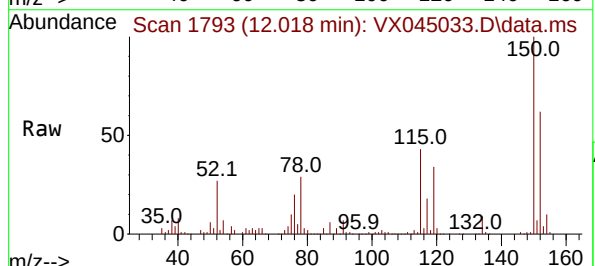
Manual Integrations
APPROVED

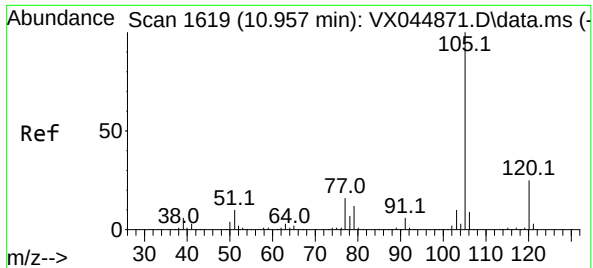
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:152 Resp: 77007
Ion Ratio Lower Upper
152 100
115 72.1 43.4 130.1
150 164.1 0.0 350.4





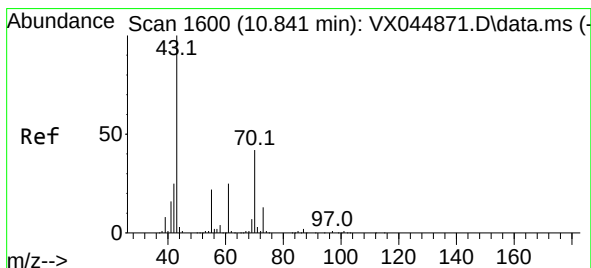
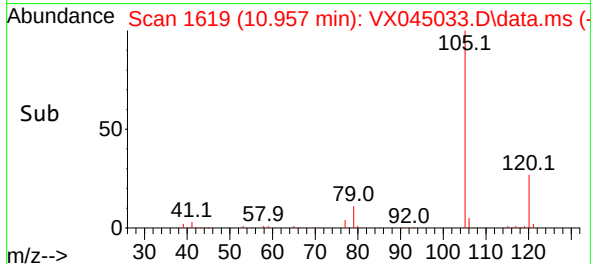
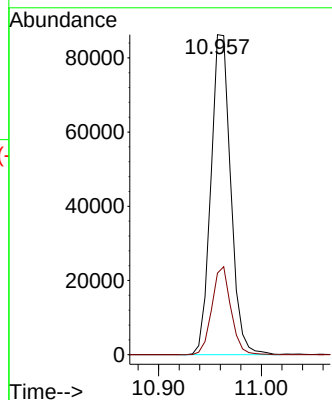
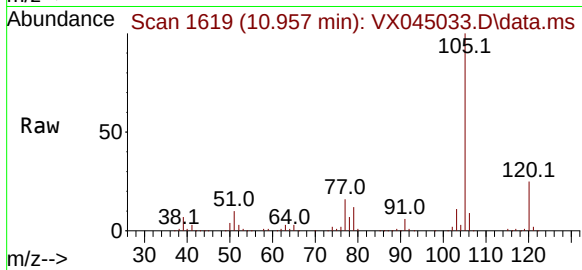
#73
Isopropylbenzene
Concen: 18.682 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion:105 Resp: 115836
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5

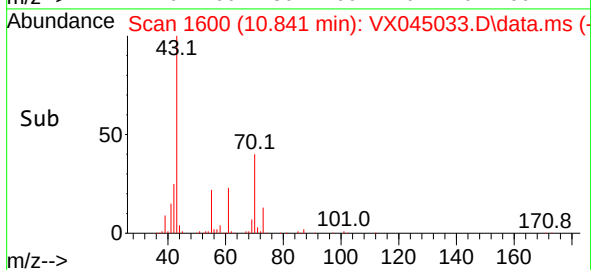
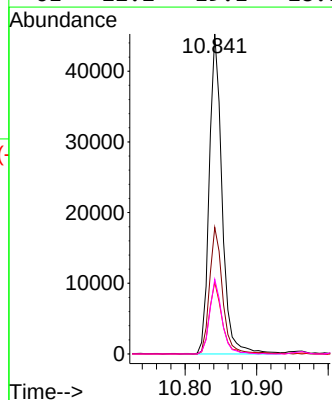
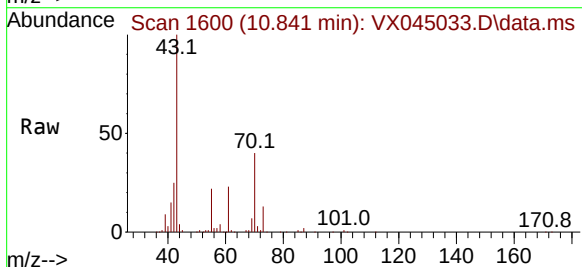
Manual Integrations
APPROVED

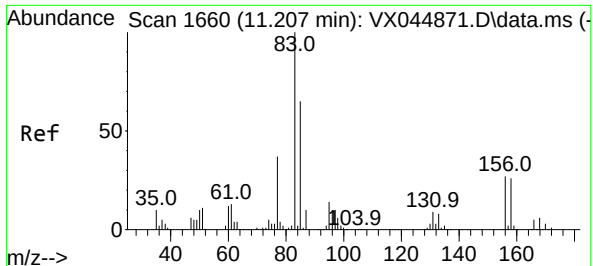
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025



#74
N-ethyl acetate
Concen: 20.142 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 43 Resp: 56516
Ion Ratio Lower Upper
43 100
70 40.2 33.7 50.5
55 22.6 18.6 27.8
61 22.2 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.199 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.006 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

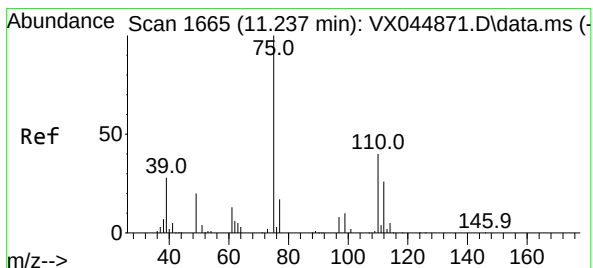
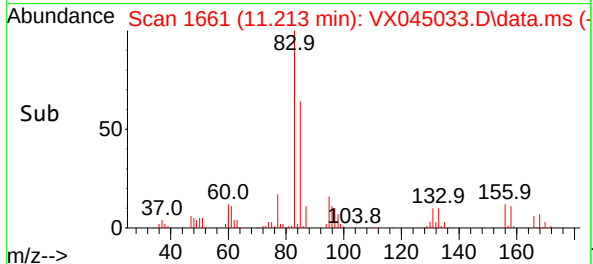
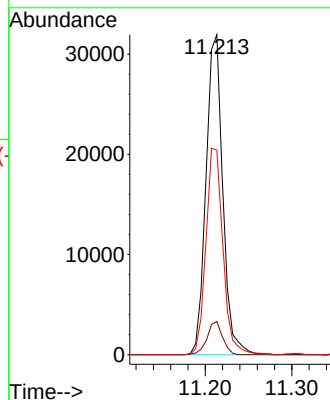
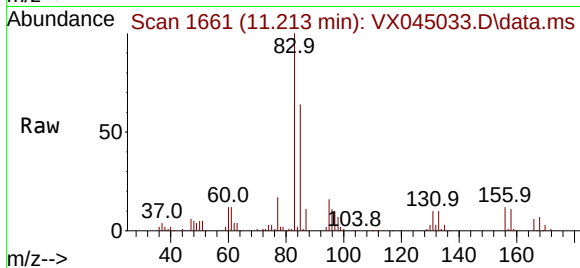
VX0225WBSD01

Tgt Ion:	83	Resp:	43038
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.5	13.5
85	65.4	32.3	96.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#76

1,2,3-Trichloropropane

Concen: 20.751 ug/l m

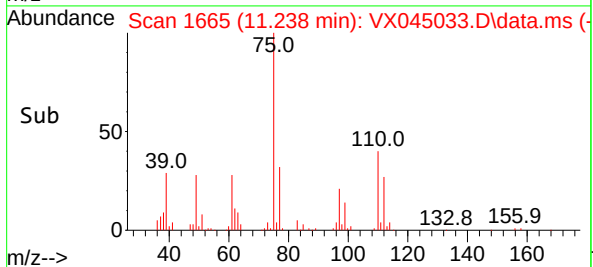
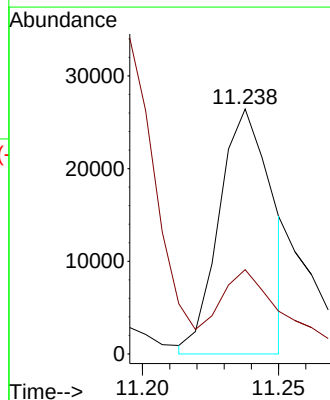
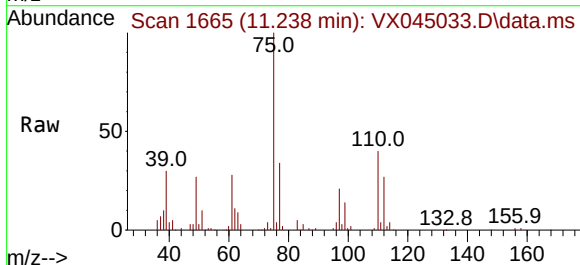
RT: 11.238 min Scan# 1665

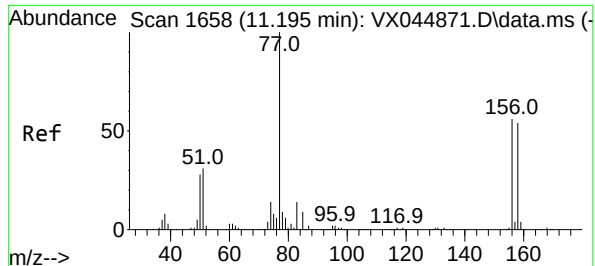
Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Tgt Ion:	75	Resp:	35430
Ion Ratio	Lower	Upper	
75	100		
77	42.1	21.9	65.7





#77

Bromobenzene

Concen: 19.079 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

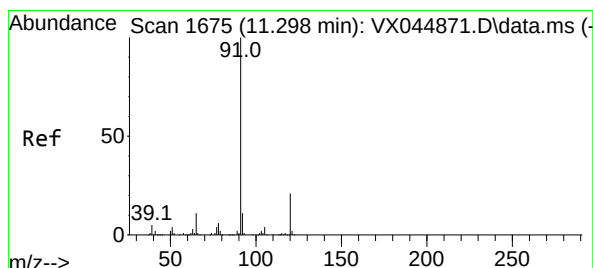
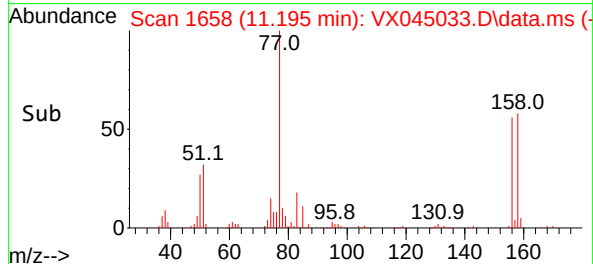
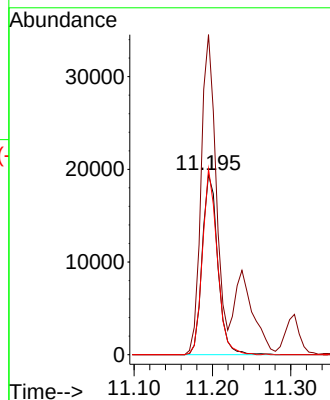
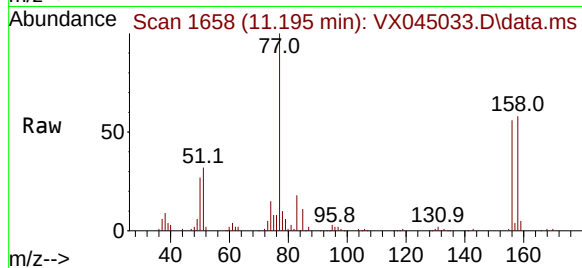
Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

Tgt Ion:	156	Resp:	26820
Ion Ratio	Lower	Upper	
156	100		
77	171.7	88.4	265.3
158	98.5	48.4	145.2

Manual Integrations
APPROVEDReviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

#78

n-propylbenzene

Concen: 18.576 ug/l

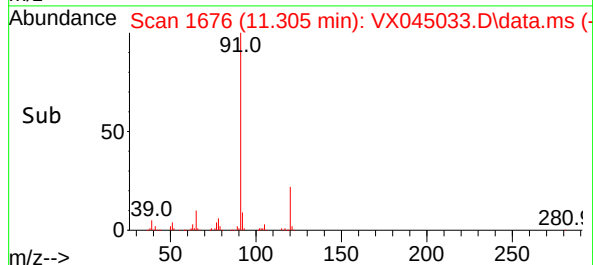
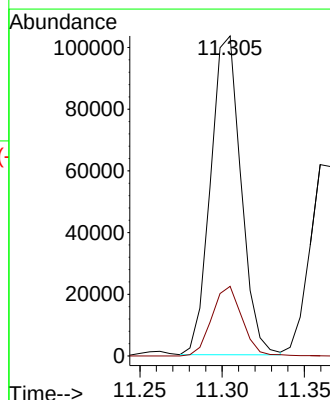
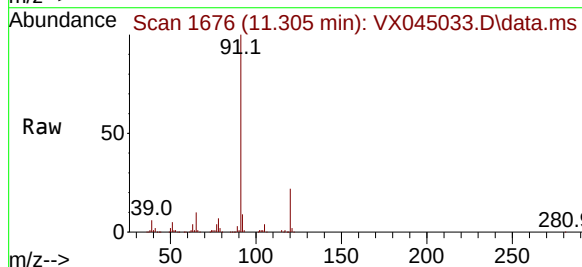
RT: 11.305 min Scan# 1676

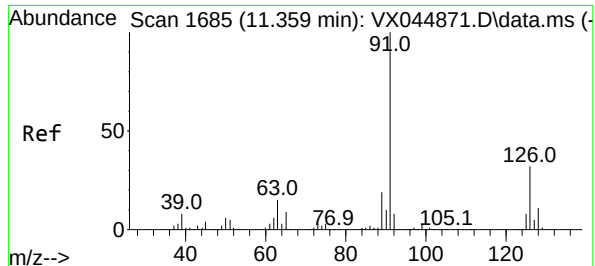
Delta R.T. 0.006 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Tgt Ion:	91	Resp:	132947
Ion Ratio	Lower	Upper	
91	100		
120	21.8	11.1	33.3





#79

2-Chlorotoluene

Concen: 18.547 ug/l

RT: 11.360 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

Tgt Ion: 91 Resp: 8158

Ion Ratio Lower Upper

91 100

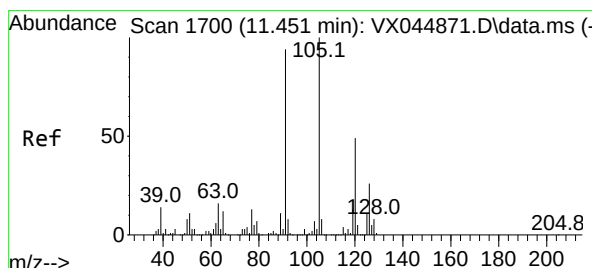
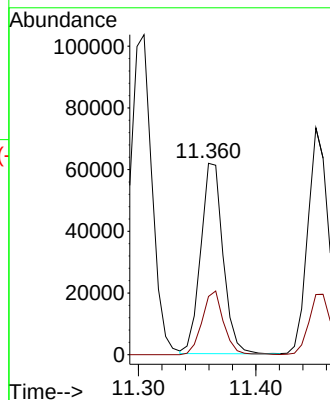
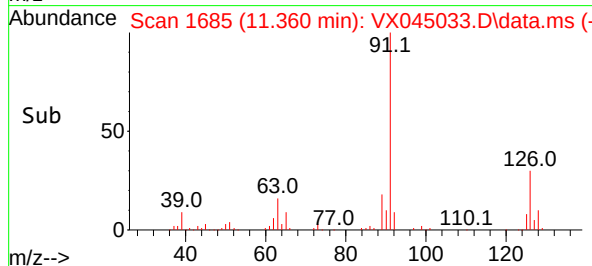
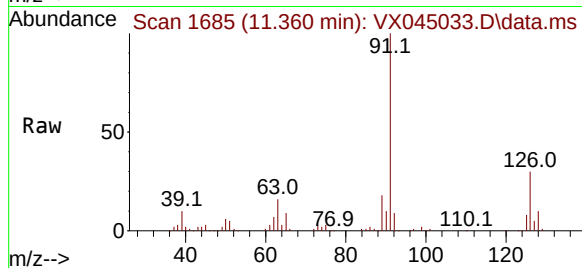
126 32.1 16.2 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#80

1,3,5-Trimethylbenzene

Concen: 19.272 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX045033.D

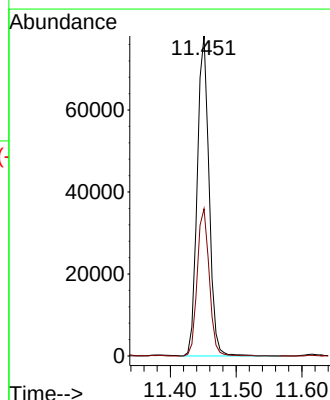
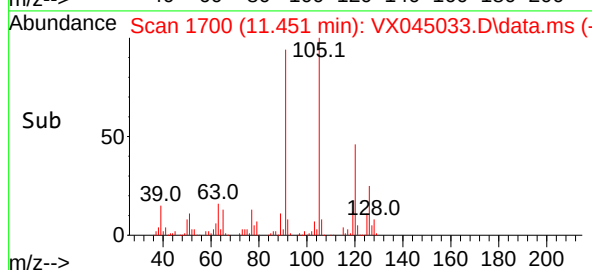
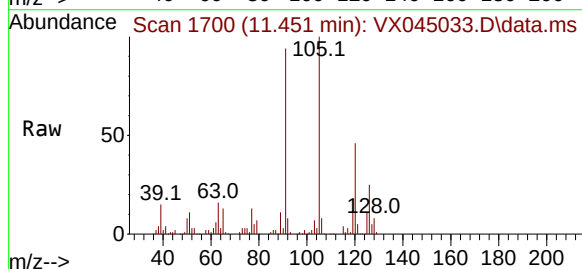
Acq: 25 Feb 2025 12:57

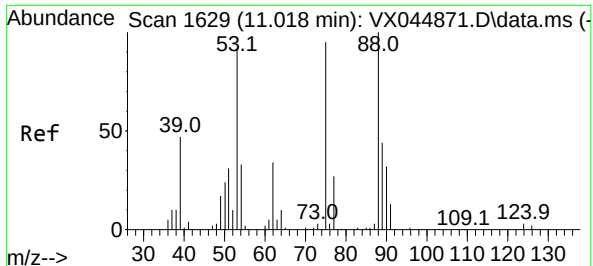
Tgt Ion:105 Resp: 96972

Ion Ratio Lower Upper

105 100

120 46.8 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 16.743 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

Tgt Ion: 75 Resp: 1111

Ion Ratio Lower Upper

75 100

53 111.4 78.0 117.0

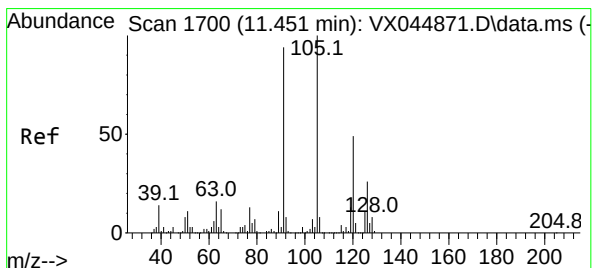
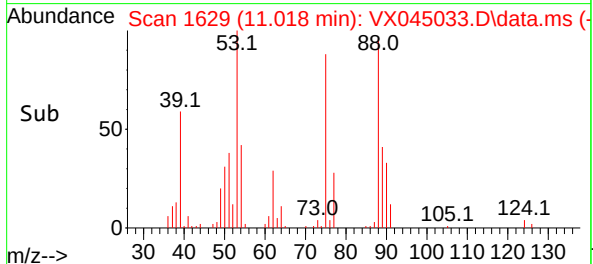
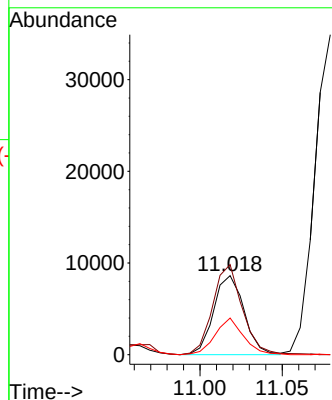
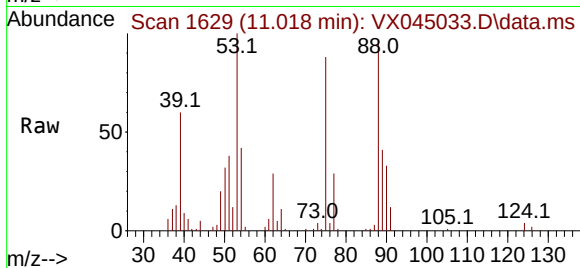
89 43.0 36.6 54.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#82

4-Chlorotoluene

Concen: 18.878 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX045033.D

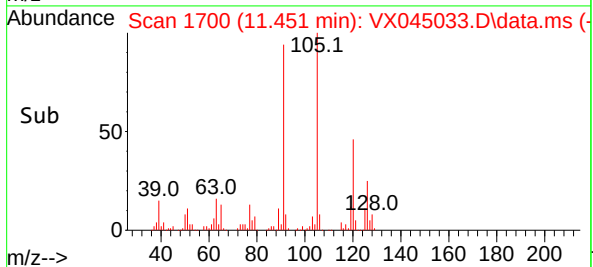
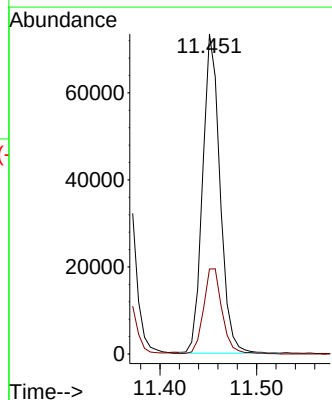
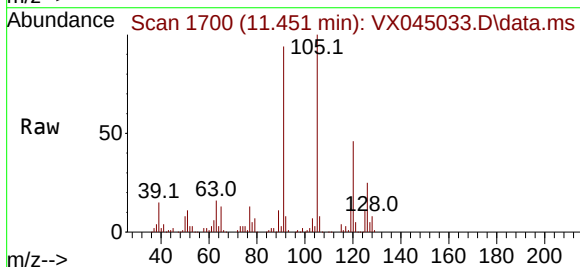
Acq: 25 Feb 2025 12:57

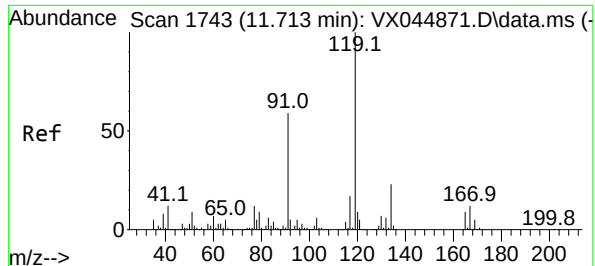
Tgt Ion: 91 Resp: 91866

Ion Ratio Lower Upper

91 100

126 28.7 14.2 42.6





#83

tert-Butylbenzene

Concen: 19.030 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

Tgt Ion:119 Resp: 9686

Ion Ratio Lower Upper

119 100

91 60.4 29.1 87.4

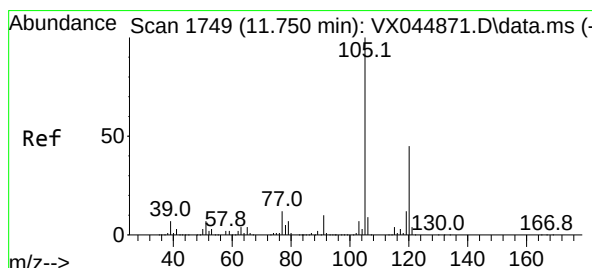
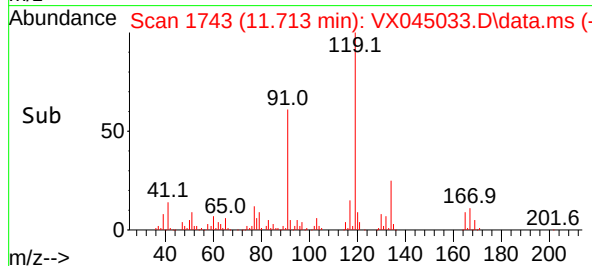
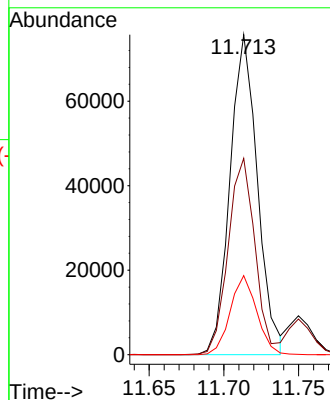
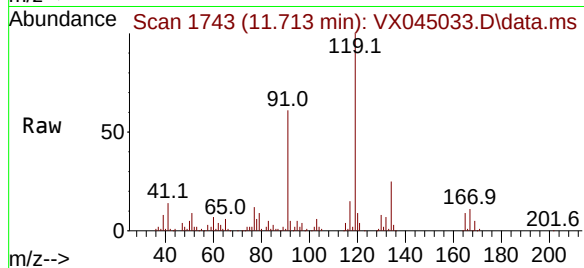
134 23.9 11.5 34.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#84

1,2,4-Trimethylbenzene

Concen: 19.413 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX045033.D

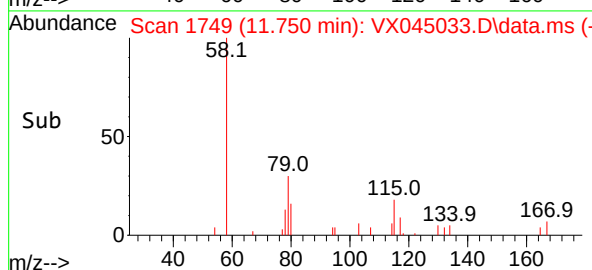
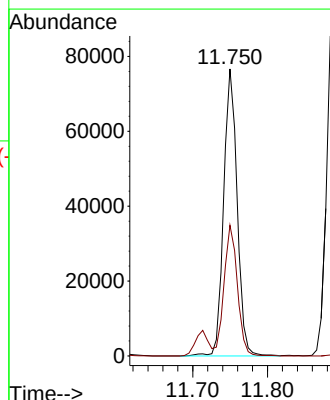
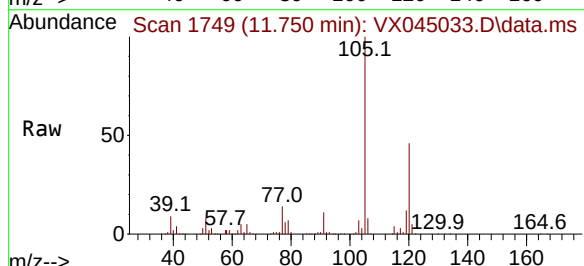
Acq: 25 Feb 2025 12:57

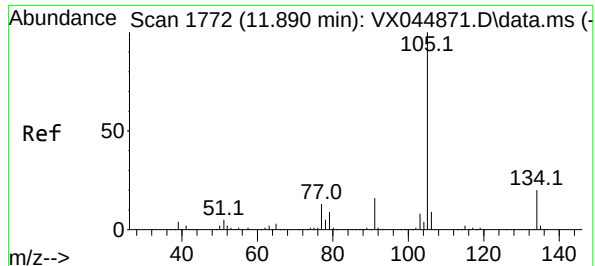
Tgt Ion:105 Resp: 96411

Ion Ratio Lower Upper

105 100

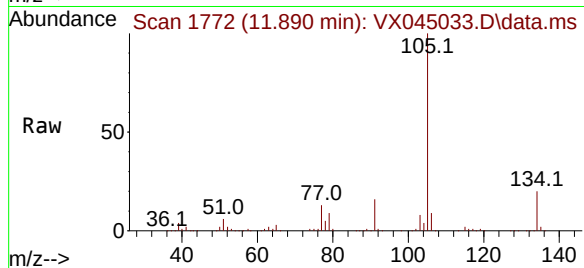
120 45.3 22.4 67.0





#85
sec-Butylbenzene
Concen: 19.331 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

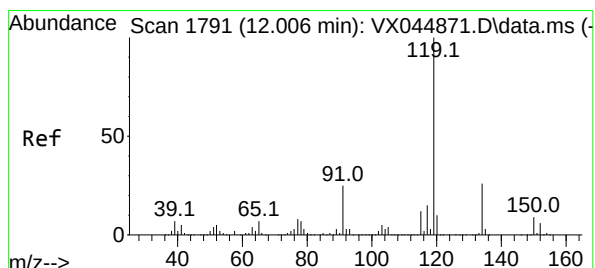
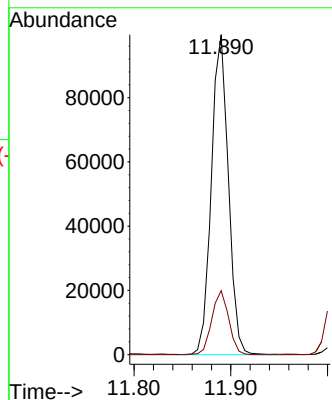
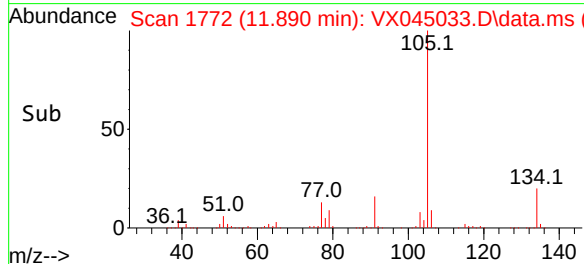
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01



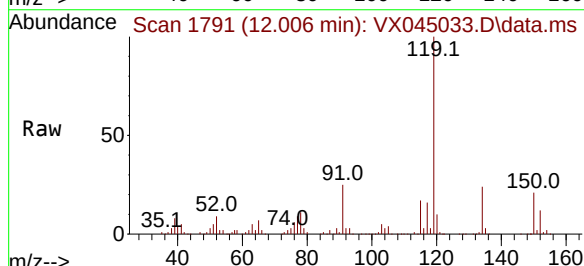
Tgt Ion:105 Resp: 121849
Ion Ratio Lower Upper
105 100
134 19.8 9.8 29.3

Manual Integrations
APPROVED

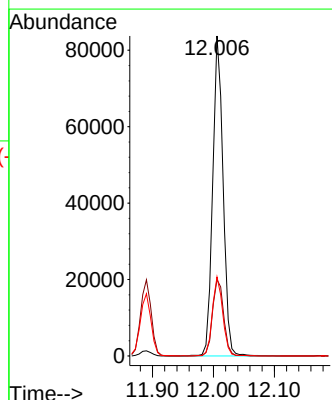
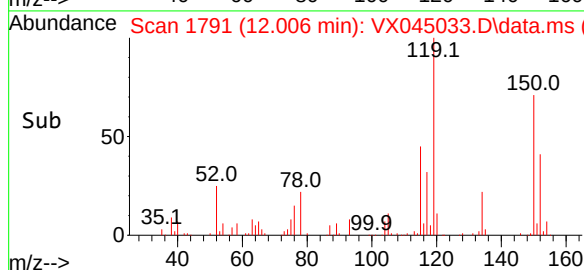
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

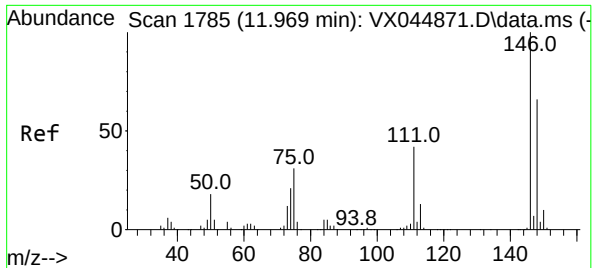


#86
p-Isopropyltoluene
Concen: 19.574 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57



Tgt Ion:119 Resp: 99219
Ion Ratio Lower Upper
119 100
134 25.6 13.0 38.9
91 24.8 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 19.233 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

Tgt Ion:146 Resp: 49720

Ion Ratio Lower Upper

146 100

111 42.3 21.2 63.6

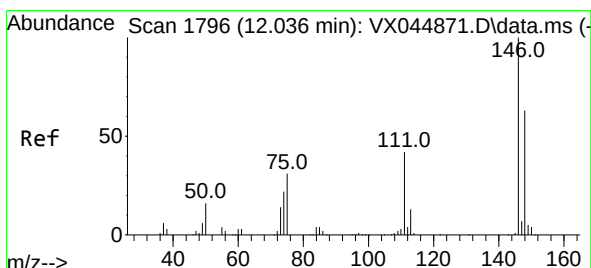
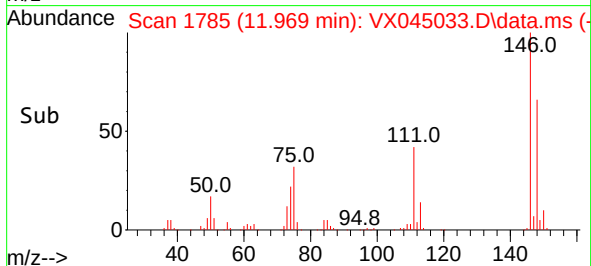
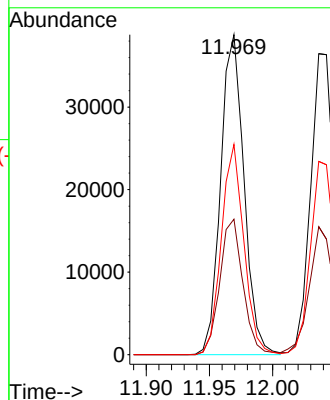
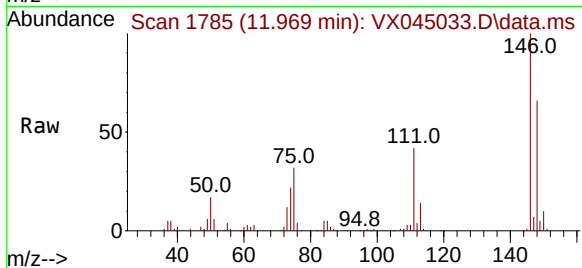
148 63.3 32.5 97.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#88

1,4-Dichlorobenzene

Concen: 18.609 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

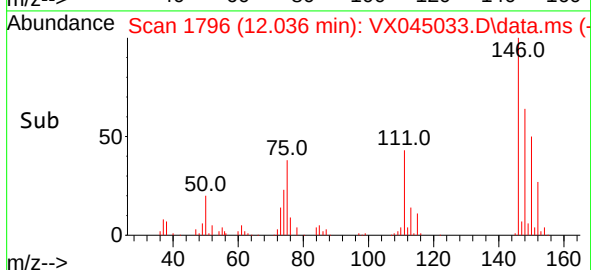
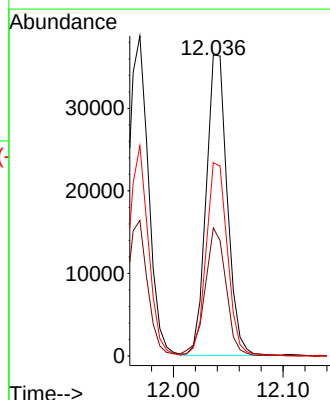
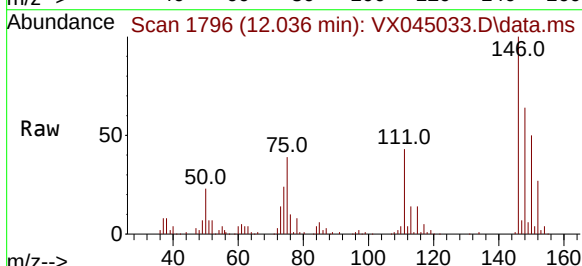
Tgt Ion:146 Resp: 48639

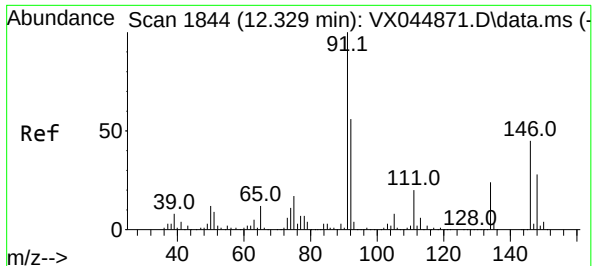
Ion Ratio Lower Upper

146 100

111 42.2 20.4 61.3

148 65.5 32.0 96.0





#89

n-Butylbenzene

Concen: 19.167 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

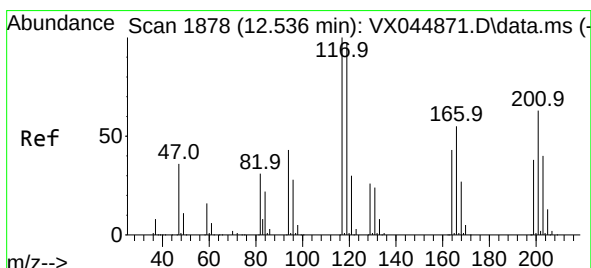
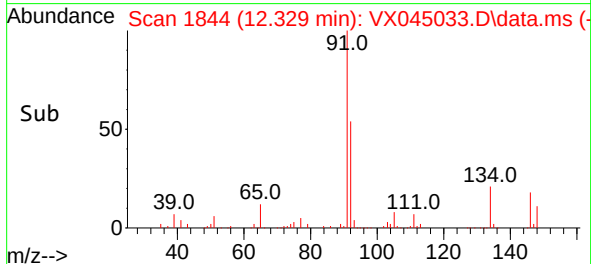
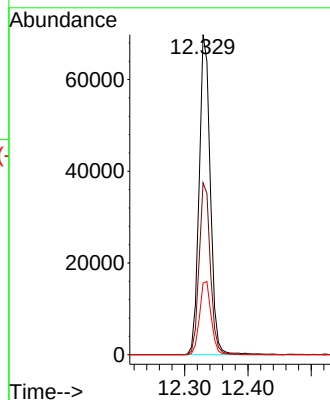
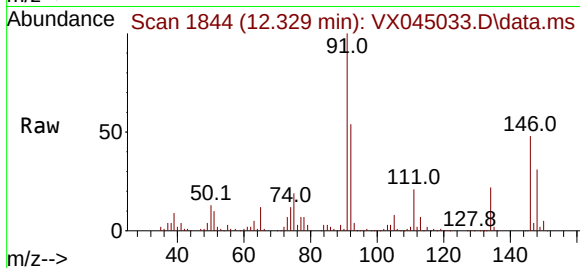
VX0225WBSD01

Tgt Ion: 91	Resp: 8595
Ion Ratio	Lower Upper
91	100
92	53.7 27.2 81.6
134	23.7 12.1 36.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#90

Hexachloroethane

Concen: 18.298 ug/l

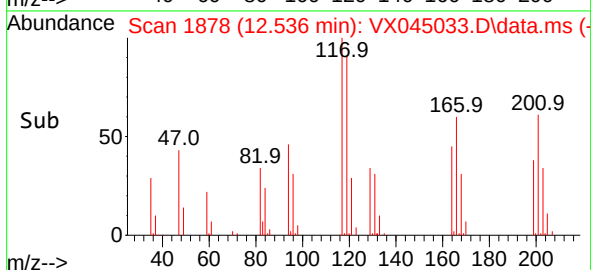
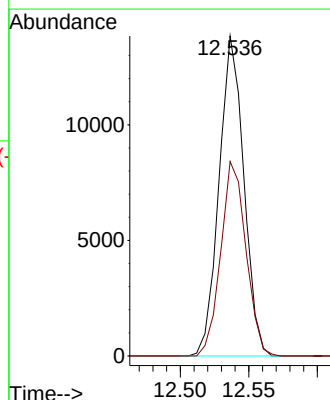
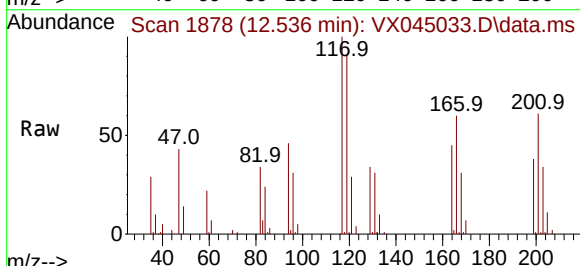
RT: 12.536 min Scan# 1878

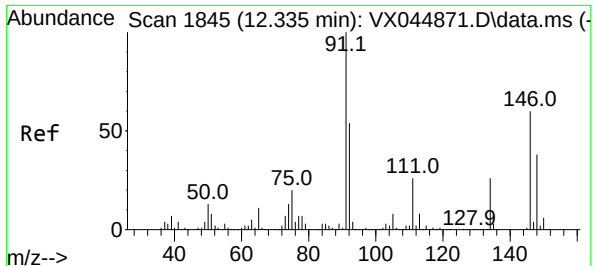
Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

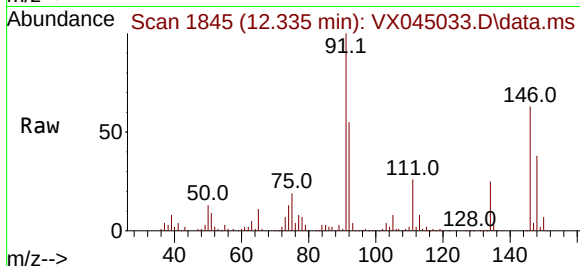
Tgt Ion: 117	Resp: 17367
Ion Ratio	Lower Upper
117	100
201	61.9 32.5 97.5





#91
1,2-Dichlorobenzene
Concen: 19.827 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

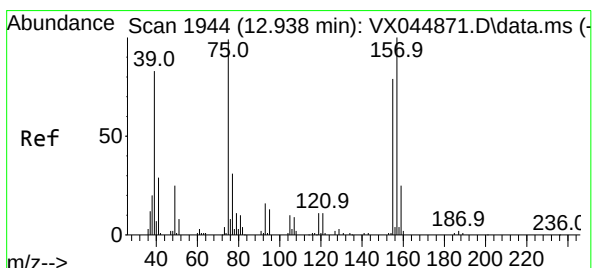
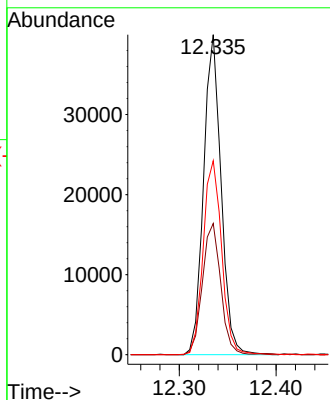
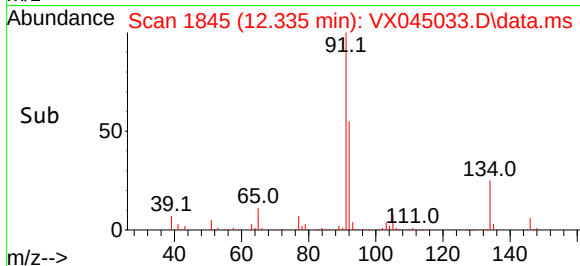
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01



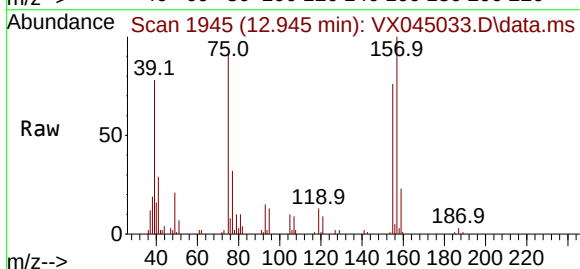
Tgt Ion:146 Resp: 50374
Ion Ratio Lower Upper
146 100
111 42.9 21.8 65.4
148 63.9 31.9 95.9

Manual Integrations
APPROVED

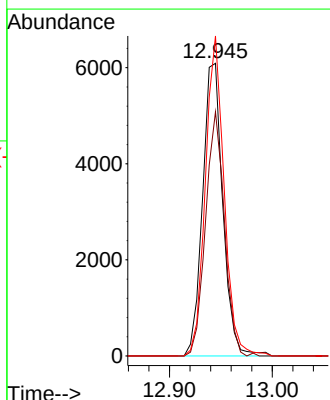
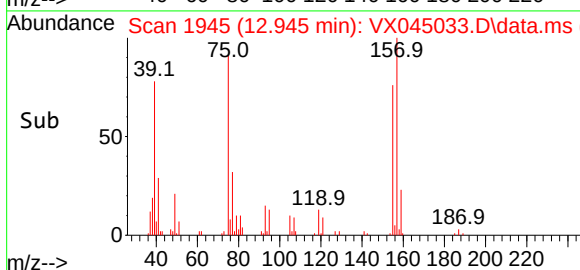
Reviewed By :John Carlone 02/26/2025
Supervised By :Mahesh Dadoda 02/26/2025

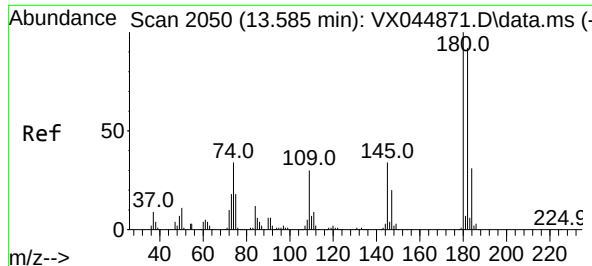


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.490 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57



Tgt Ion: 75 Resp: 8357
Ion Ratio Lower Upper
75 100
155 77.8 40.5 121.4
157 101.2 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 17.700 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

Tgt Ion:180 Resp: 2721

Ion Ratio Lower Upper

180 100

182 100.1 47.6 142.8

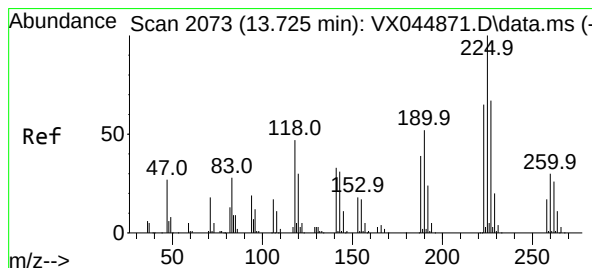
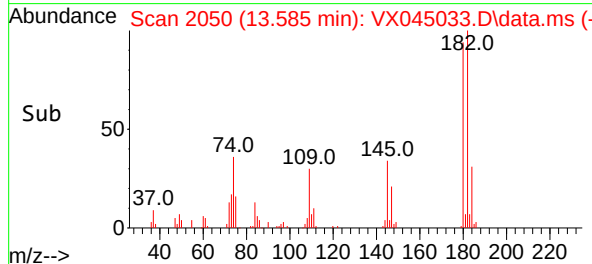
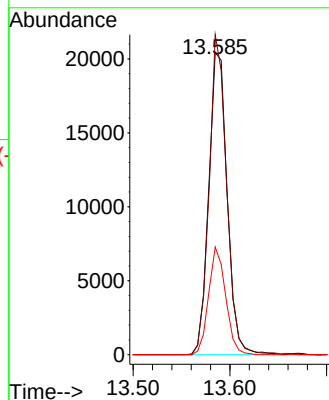
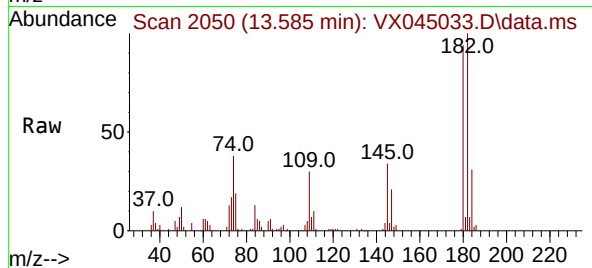
145 32.9 16.4 49.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#94

Hexachlorobutadiene

Concen: 20.303 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

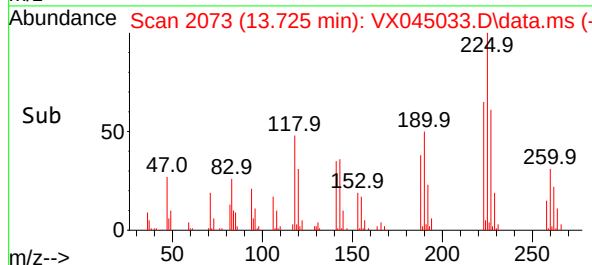
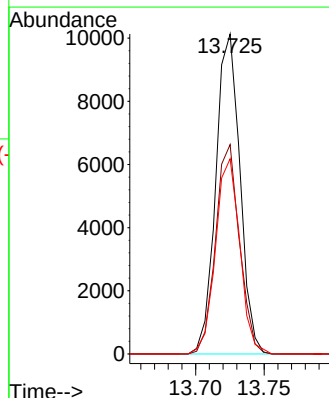
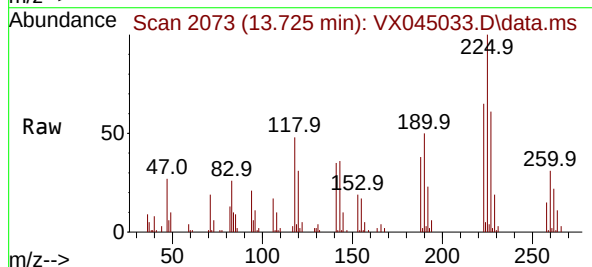
Tgt Ion:225 Resp: 12391

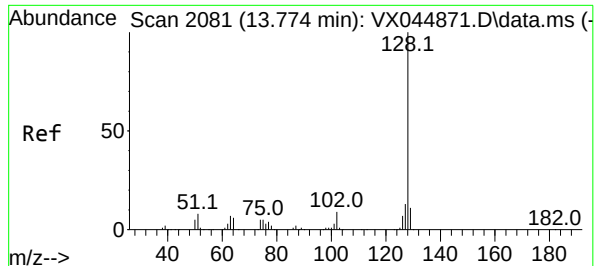
Ion Ratio Lower Upper

225 100

223 64.9 31.4 94.2

227 61.4 32.3 96.8





#95

Naphthalene

Concen: 19.794 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

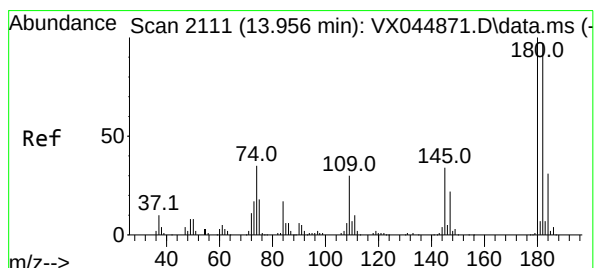
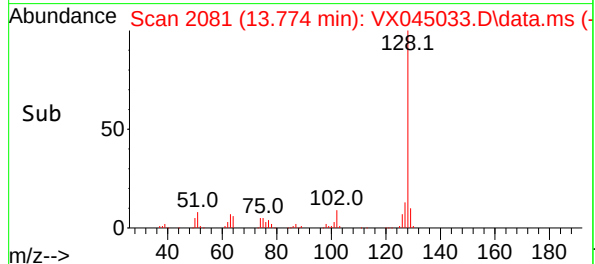
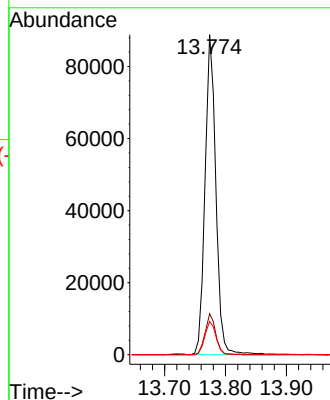
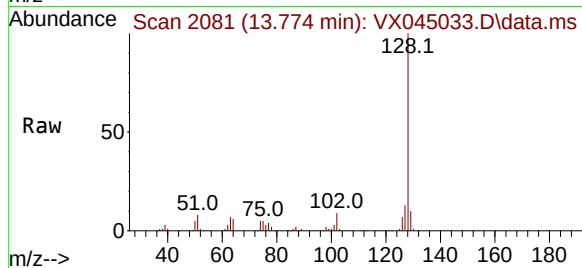
VX0225WBSD01

Tgt Ion:	128	Resp:	11000
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.1	15.1
129	10.7	8.9	13.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2025

Supervised By :Mahesh Dadoda 02/26/2025



#96

1,2,3-Trichlorobenzene

Concen: 19.444 ug/l

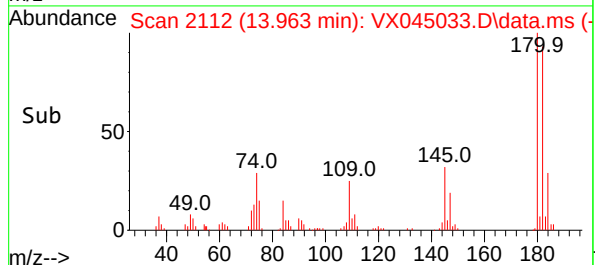
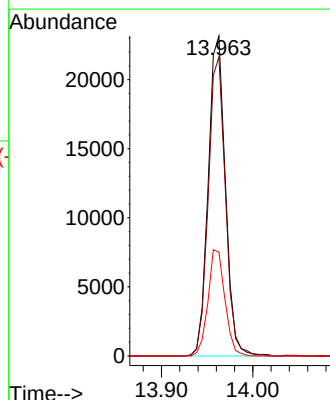
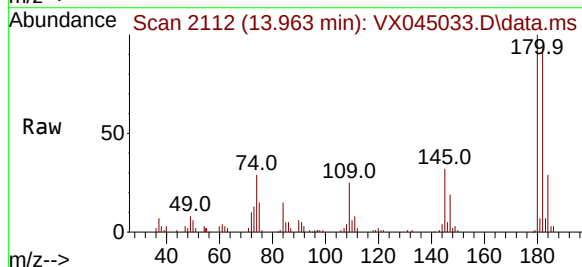
RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Tgt Ion:	180	Resp:	30122
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.9	143.6
145	32.7	17.1	51.3



Manual Integration Report

Sequence:	VX021025	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC001	VX044868.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDIC001	VX044868.D	1,4-Dichlorobenzene	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDIC001	VX044868.D	Dichlorodifluoromethane	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDIC001	VX044868.D	Ethyl Acetate	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDIC001	VX044868.D	Methacrylonitrile	JOHN	2/11/2025 9:40:53 AM	MMDadoda	2/11/2025 10:09:14 AM	Peak Integrated by Software
VSTDIC005	VX044869.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:40:57 AM	MMDadoda	2/11/2025 10:09:18 AM	Peak Integrated by Software
VSTDIC005	VX044869.D	Chloroethane	JOHN	2/11/2025 9:40:57 AM	MMDadoda	2/11/2025 10:09:18 AM	Peak Integrated by Software
VSTDIC020	VX044870.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:03 AM	MMDadoda	2/11/2025 10:09:33 AM	Peak Integrated by Software
VSTDICCC050	VX044871.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:07 AM	MMDadoda	2/11/2025 10:09:36 AM	Peak Integrated by Software
VSTDIC100	VX044872.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:11 AM	MMDadoda	2/11/2025 10:09:40 AM	Peak Integrated by Software
VSTDIC150	VX044873.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:16 AM	MMDadoda	2/11/2025 10:09:49 AM	Peak Integrated by Software
VSTDICV050	VX044875.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:20 AM	MMDadoda	2/11/2025 10:09:53 AM	Peak Integrated by Software
VSTDCCC050	VX044891.D	1,2,3-Trichloropropane	JOHN	2/11/2025 9:41:46 AM	MMDadoda	2/11/2025 10:10:13 AM	Peak Integrated by Software



Manual Integration Report

Sequence:	VX021025	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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Manual Integration Report

Sequence:

VX022525

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX045029.D	1,2,3-Trichloropropane	JOHN	2/26/2025 9:38:44 AM	MMDadoda	2/26/2025 1:45:58 PM	Peak Integrated by Software
VX0225WBS01	VX045032.D	1,2,3-Trichloropropane	JOHN	2/26/2025 9:38:48 AM	MMDadoda	2/26/2025 1:46:00 PM	Peak Integrated by Software
VX0225WBSD0 1	VX045033.D	1,2,3-Trichloropropane	JOHN	2/26/2025 9:38:52 AM	MMDadoda	2/26/2025 1:46:01 PM	Peak Integrated by Software
VSTDCCC050	VX045042.D	1,2,3-Trichloropropane	JOHN	2/26/2025 9:38:56 AM	MMDadoda	2/26/2025 1:46:03 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VX022825	Instrument	MSVOA_x
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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
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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
VX0228WBS01	VX045080.D	1,2,3-Trichloropropane	JOHN	2/28/2025 2:52:34 PM	MMDadoda	3/3/2025 1:49:45 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

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QCBatch ID # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM
Supervise By	Maresh Dadoda	Supervise On	2/11/2025 2:05:25 PM
SubDirectory	VX021025	HP Acquire Method	HP Processing Method 82X021025W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP132955		
Initial Calibration Stds	VP132960,VP132961,VP132962,VP132963,VP132964,VP132965		
CCC	VP132956		
Internal Standard/PEM			
ICV/I.BLK	VP132966		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX044867.D	10 Feb 2025 09:35	JC/MD	Ok
2	VSTDICC001	VX044868.D	10 Feb 2025 10:25	JC/MD	Ok,M
3	VSTDICC005	VX044869.D	10 Feb 2025 10:48	JC/MD	Ok,M
4	VSTDICC020	VX044870.D	10 Feb 2025 11:11	JC/MD	Ok,M
5	VSTDICCC050	VX044871.D	10 Feb 2025 11:34	JC/MD	Ok,M
6	VSTDICC100	VX044872.D	10 Feb 2025 12:05	JC/MD	Ok,M
7	VSTDICC150	VX044873.D	10 Feb 2025 12:28	JC/MD	Ok,M
8	IBLK	VX044874.D	10 Feb 2025 12:51	JC/MD	Ok
9	VSTDICV050	VX044875.D	10 Feb 2025 13:15	JC/MD	Ok,M
10	VX0210MBL01	VX044876.D	10 Feb 2025 13:43	JC/MD	Ok
11	VX0210WBL01	VX044877.D	10 Feb 2025 14:06	JC/MD	Ok
12	VX0210WBS01	VX044878.D	10 Feb 2025 14:29	JC/MD	Ok,M
13	VX0210WBSD01	VX044879.D	10 Feb 2025 14:55	JC/MD	Ok,M
14	Q1250-02	VX044880.D	10 Feb 2025 15:18	JC/MD	Ok
15	Q1250-01	VX044881.D	10 Feb 2025 15:41	JC/MD	Ok
16	Q1250-03	VX044882.D	10 Feb 2025 16:04	JC/MD	Ok
17	Q1250-04	VX044883.D	10 Feb 2025 16:27	JC/MD	Ok
18	Q1250-05	VX044884.D	10 Feb 2025 16:51	JC/MD	Ok
19	Q1250-10	VX044885.D	10 Feb 2025 17:14	JC/MD	Ok
20	Q1250-11	VX044886.D	10 Feb 2025 17:37	JC/MD	Ok
21	Q1250-12	VX044887.D	10 Feb 2025 18:00	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QCBatch ID # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM
Supervise By	Maresh Dadoda	Supervise On	2/11/2025 2:05:25 PM
SubDirectory	VX021025	HP Acquire Method	HP Processing Method 82X021025W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP132955		
Initial Calibration Stds	VP132960,VP132961,VP132962,VP132963,VP132964,VP132965		
CCC	VP132956		
Internal Standard/PEM			
ICV/I.BLK	VP132966		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1250-06	VX044888.D	10 Feb 2025 18:23	JC/MD	Ok
23	Q1250-07MS	VX044889.D	10 Feb 2025 18:46	JC/MD	Ok,M
24	Q1250-08MSD	VX044890.D	10 Feb 2025 19:09	JC/MD	Ok,M
25	VSTDCCC050	VX044891.D	10 Feb 2025 19:32	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX022525

Review By	John Carlone	Review On	2/26/2025 9:50:41 AM
Supervise By	Maresh Dadoda	Supervise On	2/26/2025 1:46:06 PM
SubDirectory	VX022525	HP Acquire Method	HP Processing Method 82X021025W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133138		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133139,VP133141		

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045028.D	25 Feb 2025 09:30	JC/MD	Ok
2	VSTDCCC050	VX045029.D	25 Feb 2025 10:00	JC/MD	Ok,M
3	VX0225MBL01	VX045030.D	25 Feb 2025 11:44	JC/MD	Ok
4	VX0225WBL01	VX045031.D	25 Feb 2025 12:07	JC/MD	Ok
5	VX0225WBS01	VX045032.D	25 Feb 2025 12:30	JC/MD	Ok,M
6	VX0225WBSD01	VX045033.D	25 Feb 2025 12:57	JC/MD	Ok,M
7	IBLK	VX045034.D	25 Feb 2025 13:21	JC/MD	Ok
8	Q1401-01	VX045035.D	25 Feb 2025 13:44	JC/MD	Ok
9	Q1423-01	VX045036.D	25 Feb 2025 14:07	JC/MD	ReRun
10	Q1423-03	VX045037.D	25 Feb 2025 14:30	JC/MD	ReRun
11	Q1423-02	VX045038.D	25 Feb 2025 14:54	JC/MD	Ok
12	Q1401-03	VX045039.D	25 Feb 2025 15:17	JC/MD	ReRun
13	Q1401-06	VX045040.D	25 Feb 2025 15:40	JC/MD	ReRun
14	Q1423-04	VX045041.D	25 Feb 2025 16:03	JC/MD	Ok
15	VSTDCCC050	VX045042.D	25 Feb 2025 16:28	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QCBatch 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	VSTDICCC001	VX045068.D	28 Feb 2025 01:27	JC/MD	Ok,M
3	VSTDICCC005	VX045069.D	28 Feb 2025 02:13	JC/MD	Ok,M
4	VSTDICCC020	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	VSTDICCC100	VX045072.D	28 Feb 2025 03:23	JC/MD	Ok,M
7	VSTDICCC150	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	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			

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 # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM
Supervise By	Maresh Dadoda	Supervise On	2/11/2025 2:05:25 PM
SubDirectory	VX021025	HP Acquire Method	HP Processing Method 82X021025W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP132955 VP132960,VP132961,VP132962,VP132963,VP132964,VP132965
CCC Internal Standard/PEM	VP132956
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132966

Sr #	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX044867.D	10 Feb 2025 09:35		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX044868.D	10 Feb 2025 10:25		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX044869.D	10 Feb 2025 10:48		JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX044870.D	10 Feb 2025 11:11		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX044871.D	10 Feb 2025 11:34		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX044872.D	10 Feb 2025 12:05		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX044873.D	10 Feb 2025 12:28		JC/MD	Ok,M
8	IBLK	IBLK	VX044874.D	10 Feb 2025 12:51		JC/MD	Ok
9	VSTDICV050	ICVVX021025	VX044875.D	10 Feb 2025 13:15		JC/MD	Ok,M
10	VX0210MBL01	VX0210MBL01	VX044876.D	10 Feb 2025 13:43		JC/MD	Ok
11	VX0210WBL01	VX0210WBL01	VX044877.D	10 Feb 2025 14:06		JC/MD	Ok
12	VX0210WBS01	VX0210WBS01	VX044878.D	10 Feb 2025 14:29		JC/MD	Ok,M
13	VX0210WBSD01	VX0210WBSD01	VX044879.D	10 Feb 2025 14:55		JC/MD	Ok,M
14	Q1250-02	BP-VPB-192-GW-420-4	VX044880.D	10 Feb 2025 15:18	vial B pH<2	JC/MD	Ok
15	Q1250-01	BP-VPB-192-TB-20250	VX044881.D	10 Feb 2025 15:41	vial B pH<2 TB	JC/MD	Ok
16	Q1250-03	BP-VPB-192-GW-300-3	VX044882.D	10 Feb 2025 16:04	vial B pH<2	JC/MD	Ok
17	Q1250-04	BP-VPB-192-GW-320-3	VX044883.D	10 Feb 2025 16:27	vial B pH<2	JC/MD	Ok
18	Q1250-05	BP-VPB-192-GW-340-3	VX044884.D	10 Feb 2025 16:51	vial B pH<2	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX021025

Review By	John Carlone	Review On	2/11/2025 9:43:42 AM
Supervise By	Maresh Dadoda	Supervise On	2/11/2025 2:05:25 PM
SubDirectory	VX021025	HP Acquire Method	HP Processing Method 82X021025W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP132955		
Initial Calibration Stds	VP132960,VP132961,VP132962,VP132963,VP132964,VP132965		
CCC	VP132956		
Internal Standard/PEM			
ICV/I.BLK	VP132966		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q1250-10	BP-VPB-192-GW-380-3	VX044885.D	10 Feb 2025 17:14	vial B pH<2	JC/MD	Ok
20	Q1250-11	BP-VPB-192-GW-400-4	VX044886.D	10 Feb 2025 17:37	vial B pH<2	JC/MD	Ok
21	Q1250-12	BP-VPB-192-GW-440-4	VX044887.D	10 Feb 2025 18:00	vial B pH<2	JC/MD	Ok
22	Q1250-06	BP-VPB-192-GW-360-3	VX044888.D	10 Feb 2025 18:23	vial B pH<2	JC/MD	Ok
23	Q1250-07MS	BP-VPB-192-GW-360-3	VX044889.D	10 Feb 2025 18:46	vial B pH<2	JC/MD	Ok,M
24	Q1250-08MSD	BP-VPB-192-GW-360-3	VX044890.D	10 Feb 2025 19:09	vial B pH<2	JC/MD	Ok,M
25	VSTDCCC050	VSTDCCC050EC	VX044891.D	10 Feb 2025 19:32		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX022525

Review By	John Carlone	Review On	2/26/2025 9:50:41 AM
Supervise By	Mahesh Dadoda	Supervise On	2/26/2025 1:46:06 PM
SubDirectory	VX022525	HP Acquire Method	HP Processing Method 82X021025W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133138		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133139,VP133141		

Sr #	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX045028.D	25 Feb 2025 09:30		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX045029.D	25 Feb 2025 10:00	CCAL failed high for comp. #16	JC/MD	Ok,M
3	VX0225MBL01	VX0225MBL01	VX045030.D	25 Feb 2025 11:44		JC/MD	Ok
4	VX0225WBL01	VX0225WBL01	VX045031.D	25 Feb 2025 12:07		JC/MD	Ok
5	VX0225WBS01	VX0225WBS01	VX045032.D	25 Feb 2025 12:30		JC/MD	Ok,M
6	VX0225WBSD01	VX0225WBSD01	VX045033.D	25 Feb 2025 12:57		JC/MD	Ok,M
7	IBLK	IBLK	VX045034.D	25 Feb 2025 13:21		JC/MD	Ok
8	Q1401-01	BP-VPB-192-TB-20250	VX045035.D	25 Feb 2025 13:44	vial A pH<2 TB	JC/MD	Ok
9	Q1423-01	BP-VPB-192-TB-20250	VX045036.D	25 Feb 2025 14:07	vial A pH<2 CCAL failed high for comp. #16; TB;Hit of comp.#16	JC/MD	ReRun
10	Q1423-03	BP-VPB-192-EB-20250	VX045037.D	25 Feb 2025 14:30	vial A pH<2 CCAL failed high for comp. #16; EB;Hit of comp.#16	JC/MD	ReRun
11	Q1423-02	VPB192-HYD-2025022	VX045038.D	25 Feb 2025 14:54	vial A pH<2	JC/MD	Ok
12	Q1401-03	BP-VPB-192-GW-840-8	VX045039.D	25 Feb 2025 15:17	vial A pH<2 CCAL failed high for comp. #16	JC/MD	ReRun
13	Q1401-06	BP-VPB-192-GW-900-9	VX045040.D	25 Feb 2025 15:40	vial A pH<2 CCAL failed high for comp. #16	JC/MD	ReRun
14	Q1423-04	BP-VPB-192-GW-925-9	VX045041.D	25 Feb 2025 16:03	vial A pH<2	JC/MD	Ok
15	VSTDCCC050	VSTDCCC050EC	VX045042.D	25 Feb 2025 16:28		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	VSTDIC050	VSTDIC050	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

Prep Standard - Chemical Standard Summary

Order ID : Q1423

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: VX022525,VX022825,

Standard ID :

VP130430,VP131746,VP131767,VP132035,VP132037,VP132096,VP132097,VP132101,VP132613,VP132678,VP133031,VP133036,VP133038,VP133138,VP133139,VP133141,VP133174,VP133176,VP133178,VP133180,VP133187,VP133188,VP133189,VP133190,VP133191,VP133194,VP133195,VP133196,VP133197,VP133198,VP133199,VP133200,

Chemical ID :

V12967,V13391,V13446,V13449,V13457,V13460,V13465,V13466,V13582,V13706,V13707,V13811,V13919,V13921,V14126,V14145,V14154,V14175,V14176,V14179,V14289,V14425,V14433,V14439,V14521,V14522,V14613,V14614,V14624,V14630,V14631,V14632,V14633,V14722,V14723,V14724,V14744,V14754,V14756,V14801,V14809,V14814,V14842,V14872,V14873,V14874,V14875,V14877,V14878,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>
617	8260 Surrogate, 400PPM	VP130430	09/20/2024	02/28/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
09/26/2024								

FROM 0.40000ml of V13707 + 24.60000ml of V14145 = 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>
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

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>
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	Maresh 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

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>
1812	8260 Working Std(2-CVE)-100ppm	VP132037	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								12/12/2024

FROM 0.25000ml of V14633 + 24.75000ml of V14614 = 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>
719	8260 Working STD (BCM)-First source, 400PPM	VP132096	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Maresh 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>
253	8260 Working STD (BCM)-First source, 20PPM	VP132097	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
12/19/2024								

FROM 0.50000ml of V13466 + 49.50000ml 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>
1817	8260 Working Std(2-CVE)-SS, 800ppm	VP132101	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
12/19/2024								

FROM 0.80000ml of V13582 + 9.20000ml of V14614 = Final Quantity: 10.000 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	VP132613	01/20/2025	02/28/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								01/29/2025

FROM 0.40000ml of V13446 + 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 V14722 + 1.00000ml of V14754 + 1.00000ml of V14756 + 1.00000ml of V14801 + 1.00000ml of V14814 + 1.50000ml of V14723 + 1.50000ml of V14724 + 10.60000ml 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>
262	8260 Working STD (BCM)-Second source, 100PPM	VP132678	01/24/2025	07/13/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
								01/29/2025

FROM 1.00000ml of V12967 + 9.00000ml of V14624 = Final Quantity: 10.000 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>
263	8260 Working STD (Acrolein)-Second source, 800PPM	VP133031	02/14/2025	03/12/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
FROM 0.60000ml of V14878 + 1.00000ml of V14877 + 8.40000ml of V14624 = Final Quantity: 10.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
51	8260 Working STD (Acrolein) -first source, 800PPM	VP133036	02/14/2025	03/13/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
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								

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>
180	8260 Working STD (Acrolein)-First source, 100PPM	VP133038	02/14/2025	03/13/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
02/18/2025								

FROM 17.50000ml of V14624 + 2.50000ml of VP133036 = Final Quantity: 20.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
589	BFB TUNE CHECK	VP133138	02/25/2025	02/26/2025	John Carlone	None	None	Maresh Dadoda
02/28/2025								

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

VOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
620	50 PPB CCC, 8260-Water	VP133139	02/25/2025	02/26/2025	John Carlone	None	None	Maresh Dadoda
02/28/2025								

FROM 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP132613 + 0.01250ml of VP133036 = 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	VP133141	02/25/2025	02/26/2025	John Carlone	None	None	Maresh Dadoda
02/28/2025								

FROM 39.94450ml of W3112 + 0.00500ml of VP130430 + 0.00500ml of VP132096 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP132613 + 0.01250ml of VP133036 = 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>
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

<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>
1738	8260 surrogate 20 ppm	VP133176	02/27/2025	08/27/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda
03/04/2025								

FROM 0.02000ml of V13706 + 24.99000ml 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	Maresh Dadoda 03/04/2025

FROM 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>
245	8260 Calibration Working STD Mix-First source, 20PPM	VP133180	02/27/2025	03/31/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda 03/04/2025

FROM 17.50000ml of V14613 + 2.50000ml of VP133178 = Final Quantity: 20.000 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	VP133187	02/28/2025	03/01/2025	John Carlone	None	None	Maresh Dadoda
03/04/2025								

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	VP133188	02/28/2025	03/01/2025	John Carlone	None	None	Maresh Dadoda
03/04/2025								

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

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	VP133189	02/28/2025	03/01/2025	John Carlone	None	None	Maresh Dadoda
03/04/2025								

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	VP133190	02/28/2025	03/01/2025	John Carlone	None	None	Maresh Dadoda
03/04/2025								

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

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>
259	8260 Calibration Working STD Mix-Second source, 160PPM	VP133191	02/28/2025	04/05/2025	Semsettin Yesilyurt	None	None	Maresh Dadoda 03/04/2025

FROM 0.16000ml of V13449 + 0.60000ml of V13919 + 0.80000ml of V13811 + 0.80000ml of V14126 + 0.80000ml of V14179 + 0.80000ml of V14425 + 0.80000ml of V14801 + 1.00000ml of V13921 + 4.24000ml of V14613 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
334	1 PPB ICC, 8260-Water	VP133194	02/28/2025	03/01/2025	John Carlone	None	None	Maresh Dadoda 03/04/2025

FROM 39.98200ml of W3112 + 0.00200ml of VP132037 + 0.00200ml of VP132097 + 0.00200ml of VP133038 + 0.00200ml of VP133176 + 0.00200ml of VP133180 + 0.00800ml of VP131746 = 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>
335	5 PPB ICC, 8260-Water	VP133195	02/28/2025	03/01/2025	John Carlone	None	None	Maresh Dadoda
03/04/2025								

FROM 39.94200ml of W3112 + 0.00800ml of VP131746 + 0.01000ml of VP132037 + 0.01000ml of VP132097 + 0.01000ml of VP133038 + 0.01000ml of VP133176 + 0.01000ml of VP133180 = 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>
337	20 PPB ICC, 8260-Water	VP133196	02/28/2025	03/01/2025	John Carlone	None	None	Maresh Dadoda
03/04/2025								

FROM 39.97000ml of W3112 + 0.00200ml of VP132096 + 0.00200ml of VP133174 + 0.00500ml of VP132035 + 0.00500ml of VP133036 + 0.00500ml of VP133178 + 0.00800ml of VP131746 = 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>
380	50 PPB ICC, 8260-Water	VP133197	02/28/2025	03/01/2025	John Carlone	None	None	Maresh Dadoda
03/04/2025								

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>
381	100 PPB ICC, 8260-Water	VP133198	02/28/2025	03/01/2025	John Carlone	None	None	Maresh Dadoda
03/04/2025								

FROM 39.89700ml of W3112 + 0.00800ml of VP131746 + 0.01000ml of VP132096 + 0.01000ml of VP133174 + 0.02500ml of VP132035 + 0.02500ml of VP133036 + 0.02500ml 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>
382	150 PPB ICC, 8260-Water	VP133199	02/28/2025	03/01/2025	John Carlone	None	None	Maresh Dadoda
03/04/2025								

FROM 39.84950ml of W3112 + 0.00800ml of VP131746 + 0.01500ml of VP132096 + 0.01500ml of VP133174 + 0.03750ml of VP132035 + 0.03750ml of VP133036 + 0.03750ml 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>
385	50 PPB ICV, 8260-Water	VP133200	02/28/2025	03/01/2025	John Carlone	None	None	Maresh Dadoda
03/04/2025								

FROM 39.92950ml of W3112 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132101 + 0.01250ml of VP133031 + 0.01250ml of VP133191 + 0.02000ml of VP132678 = Final Quantity: 40.000 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	70046 / Bromochloromethane Std. sol/methanol 1000ppm	070122	07/24/2025	01/24/2025 / SAM	07/06/2022 / SAM	V12967

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	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0181905	02/28/2025	01/10/2025 / SAM	01/23/2023 / SAM	V13446

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	A0191703	06/02/2025	12/02/2024 / SAM	01/23/2023 / SAM	V13449

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

CHEMICAL RECEIPT LOG BOOK

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 #
Absolute Standards, Inc.	95318 / 2-Chloroethyl Vinyl Ether (Min = 5)	111722	11/17/2025	12/12/2024 / SAM	01/30/2023 / SAM	V13582

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

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	06/10/2025	06/10/2024 / SAM	04/12/2023 / SAM	V13707

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	A0194279	08/28/2025	02/28/2025 / SAM	05/31/2023 / SAM	V13811

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A0193887	07/10/2025	01/10/2025 / SAM	07/24/2023 / SAM	V13919

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	A0193887	08/24/2025	02/24/2025 / SAM	07/24/2023 / SAM	V13921

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)	011624	07/10/2025	01/10/2025 / SAM	01/17/2024 / SAM	V14126

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	02/28/2025	08/29/2024 / SAM	02/06/2024 / SAM	V14145

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	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 #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021524	07/10/2025	01/10/2025 / SAM	02/20/2024 / SAM	V14179

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	A0205013	06/30/2025	01/10/2025 / SAM	08/15/2024 / SAM	V14425

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	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	07/10/2025	01/10/2025 / SAM	12/17/2024 / SAM	V14756

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	A0220563	06/30/2026	01/10/2025 / SAM	01/08/2025 / SAM	V14801

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	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

CHEMICAL RECEIPT LOG BOOK

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

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 #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021225	03/12/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14877

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)	021225	03/12/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14878

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 / Iwona	07/03/2024 / Iwona	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

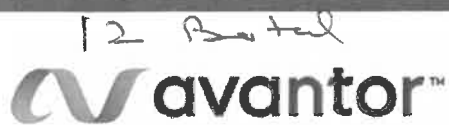
Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	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



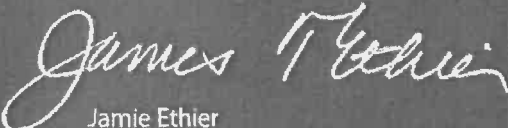
Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

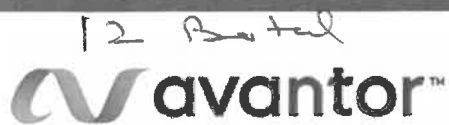
Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titration Acid (μeq/g)	≤ 0.3	0.2
Titration Base (μeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	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



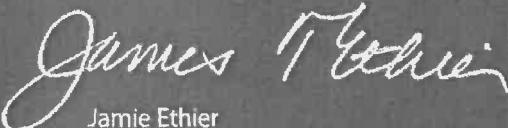
Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

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

12



CERTIFIED WEIGHT REPORT

Part Number: **95319**
Lot Number: **011624**
Description: **Revised Additions Mix**

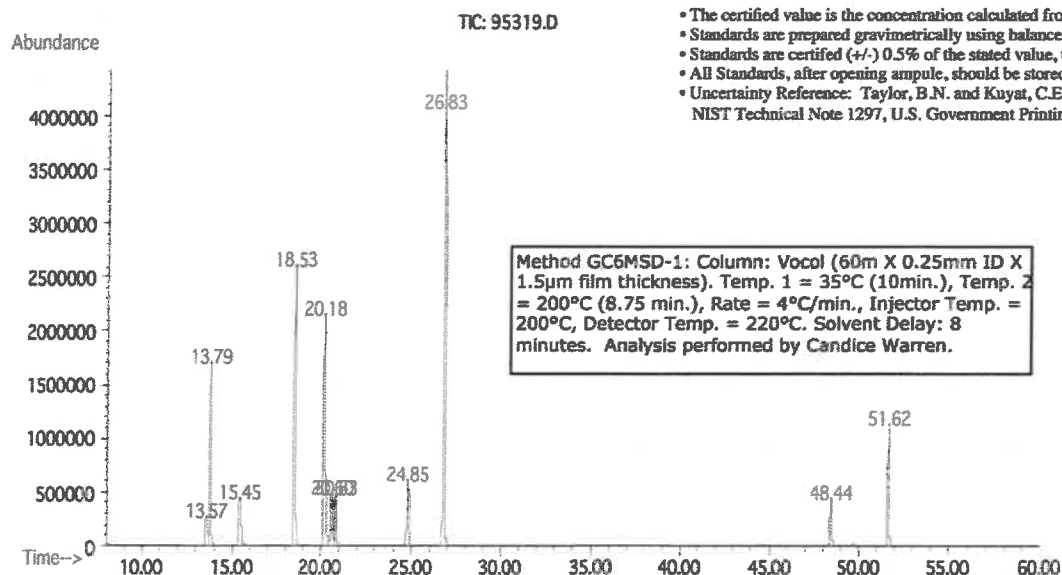
Solvent(s): **Methanol**
Lot#: **EH471-US**

Expiration Date: **011627**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **Varied**
NIST Test ID#: **6UTB**

Weight(s) shown below were combined and diluted to (mL): **100.0**
5E-05 Balance Uncertainty
0.021 Flask Uncertainty

		011624
Formulated By:	Prashant Chauhan	DATE
		011624
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
										CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	10000	99	0.2	1.01035	1.01080	10004.4	40.6	107-13-1	N/A	ori-rat 78 mg/kg
2. 1-Chlorobutane	1072	MKCM5711	2000	99.99	0.2	0.20007	0.20035	2002.8	8.1	109-69-3	N/A	ori-rat 2670mg/kg
3. Cyclohexane	1023	28930	2000	99	0.2	0.20207	0.20222	2001.5	8.2	110-82-7	300 ppm (1050mg/m3/8H)	ori-rat 12705mg/kg
4. Di-isopropyl ether (DIPE)	987	00412MX	2000	99	0.2	0.20207	0.20227	2002.0	8.2	108-20-3	500 ppm (2100mg/m3/8H)	ori-rat 8470mg/kg
5. 1,4-Dioxane	373	03853KE	40000	99	0.2	4.04142	4.04213	40007.0	162.5	123-91-1	25 ppm (90mg/m3/8H)(skin)	ori-mus 5700mg/kg
6. Hexachloroethane	199	12604HBV	2000	99	0.2	0.20207	0.20221	2001.4	8.2	67-72-1	1 ppm (10mg/m3/8H)(skin)	ori-gpg 4970mg/kg
7. Methylcyclohexane	1627	SHBG0199V	2000	99	0.2	0.20207	0.20230	2002.3	8.2	108-87-2	N/A	ori-mus 2250mg/kg
8. Methyl tert-butyl ether (MTBE)	209	21880	2000	99	0.2	0.20207	0.20227	2002.0	8.2	1634-04-4	N/A	ori-rat 4g/kg
9. Propionitrile	349	1395468	20000	99	0.2	2.02071	2.02150	20007.8	81.3	107-12-0	N/A	ori-rat 39mg/kg
10. Tetrahydrofuran	380	SHBH8330	10000	99.9	0.2	1.00125	1.00200	10007.5	40.3	109-99-9	20 ppm (590mg/m3/8H)	ori-rat 1650mg/kg
11. 1,2,3,4-Tetramethylbenzene	491	AP01	2000	93	0.2	0.21511	0.21522	2001.0	8.7	488-23-3	N/A	ori-rat 6408mg/kg



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Name	MSD RT (min.)
Methyl tert-butyl ether (MTBE)	13.56
Acrylonitrile	13.79
Di-isopropyl ether	15.44
Propionitrile	18.53
Tetrahydrofuran	20.17
Cyclohexane	20.58
1-Chlorobutane	20.83
Methylcyclohexane	24.84
1,4-Dioxane	26.84
Hexachloroethane	48.44
1,2,3,4-Tetramethylbenzene	51.62



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021225
Description: Acrolein

Solvent(s): Lot#
Water 072324Q

2 vial
Del 02 114125
114877-78

<i>Prashant Chauhan</i>		021225
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		021225
Reviewed By:	Pedro L. Rentas	DATE

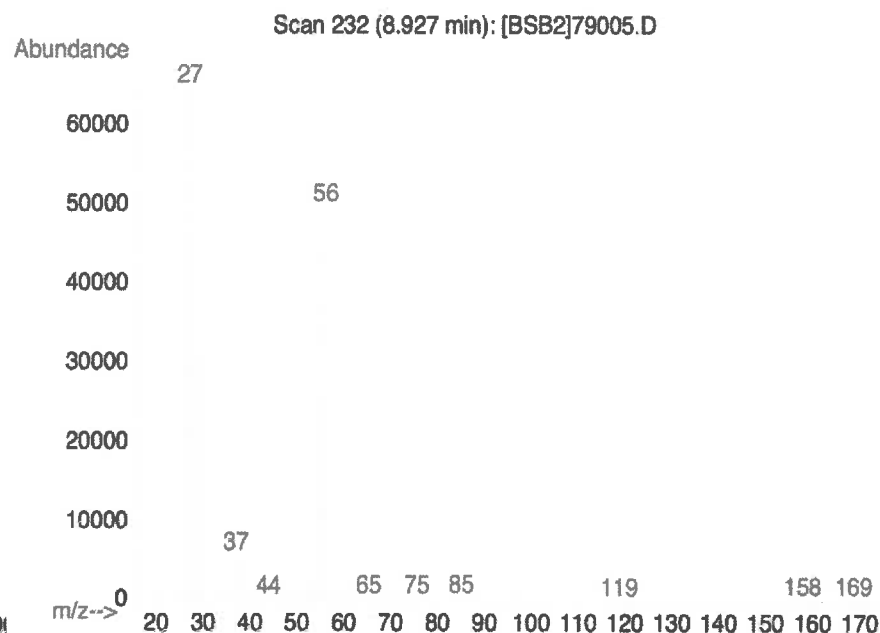
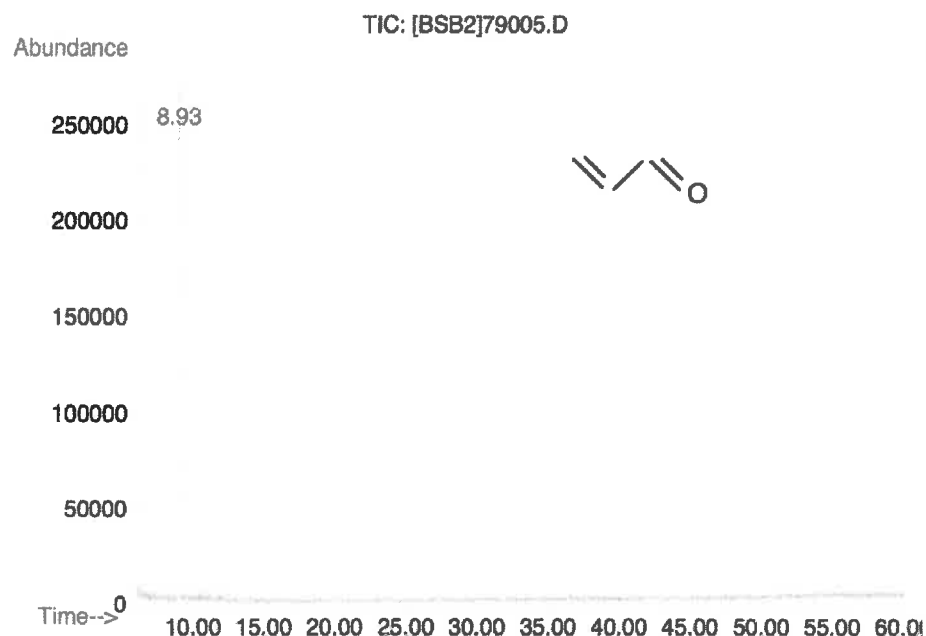
Expiration Date: 031225
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty 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	103755R02H	5000	97	0.5	0.05166	0.05180	5013.7	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).



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: **91980**
Lot Number: **021225**
Description: **Acrolein**

Solvent(s): **Water**
Lot#: **072324Q**

2 vial
Del 02 114125
114877-78

<i>Prashant Chauhan</i>		021225
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentas</i>		021225
Reviewed By:	Pedro L. Rentas	DATE

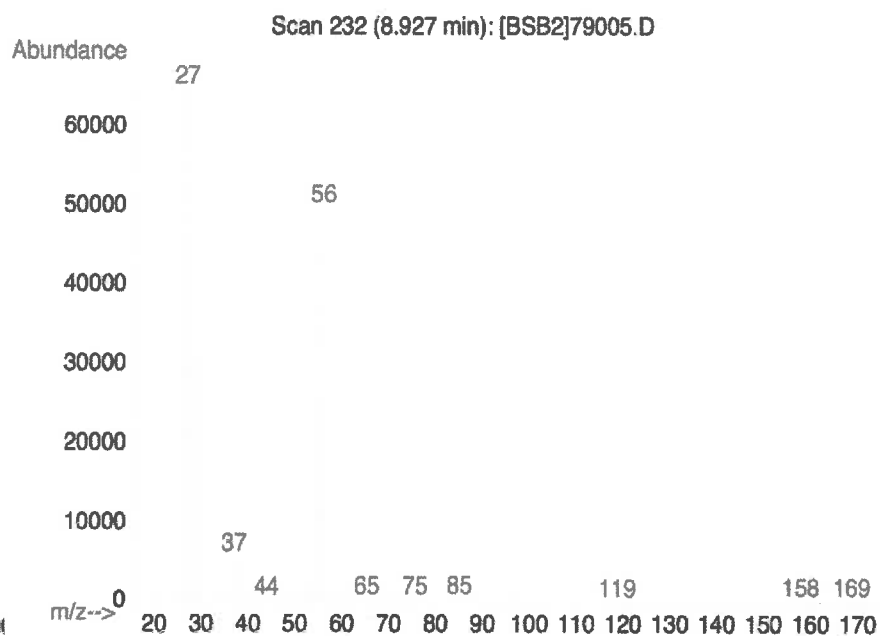
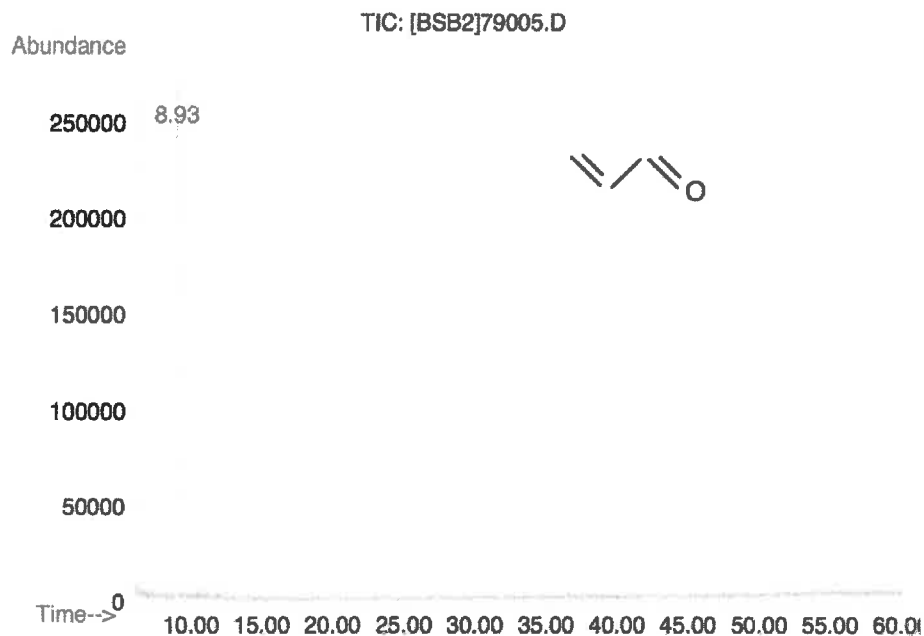
Expiration Date: **031225**
Recommended Storage: **Refrigerate (4 °C)**
Nominal Concentration (µg/mL): **5000**
NIST Test ID#: **6UTB**

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): **10.0**

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty 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	103755R02H	5000	97	0.5	0.05166	0.05180	5013.7	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).



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

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

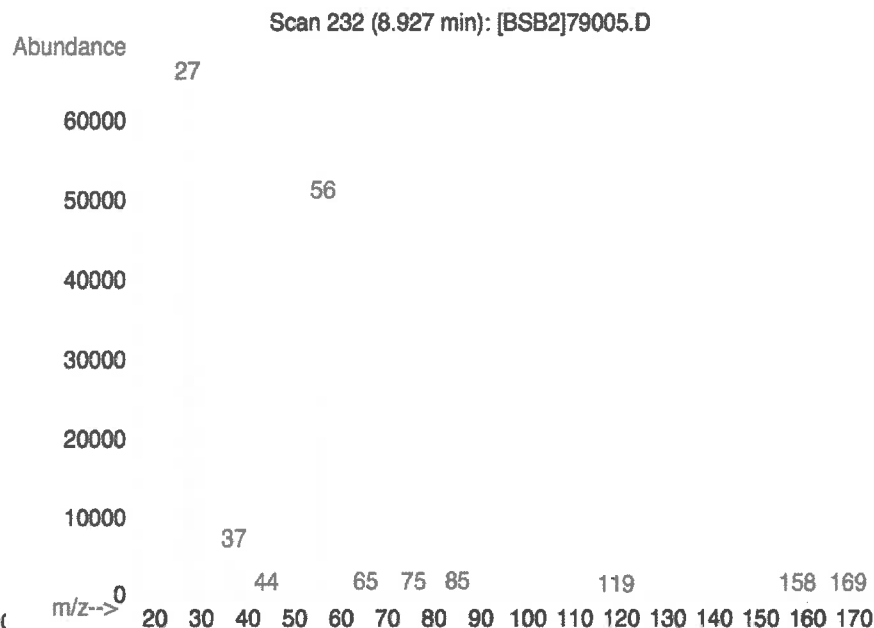
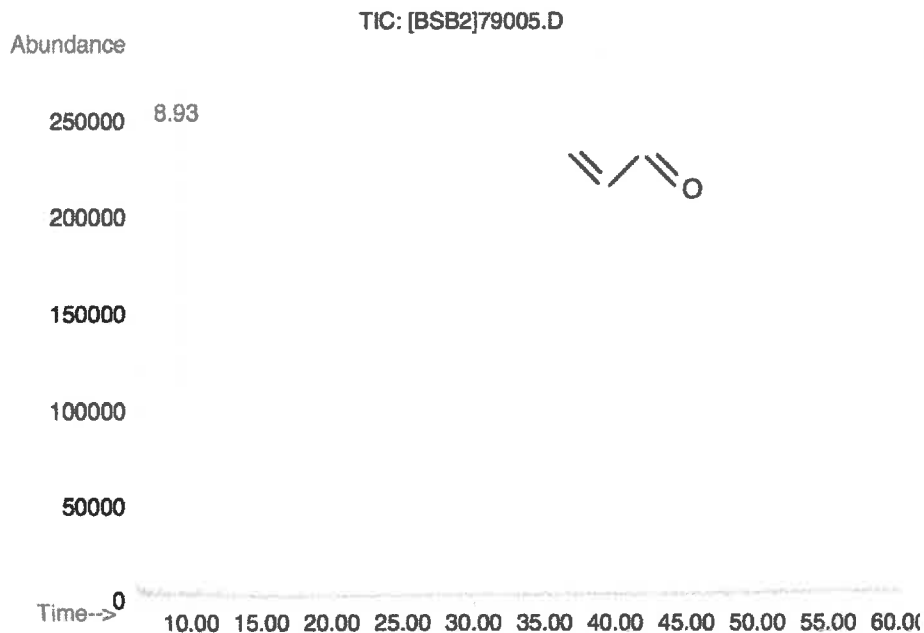
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

		021325
Formulated By:	Anthony Mahoney	DATE
		021325
Reviewed By:	Pedro L. Rentas	DATE

✓ 14872 to
✓ 14876

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):
Water

Lot#
072324Q

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

✓ 14872 to
✓ 14876

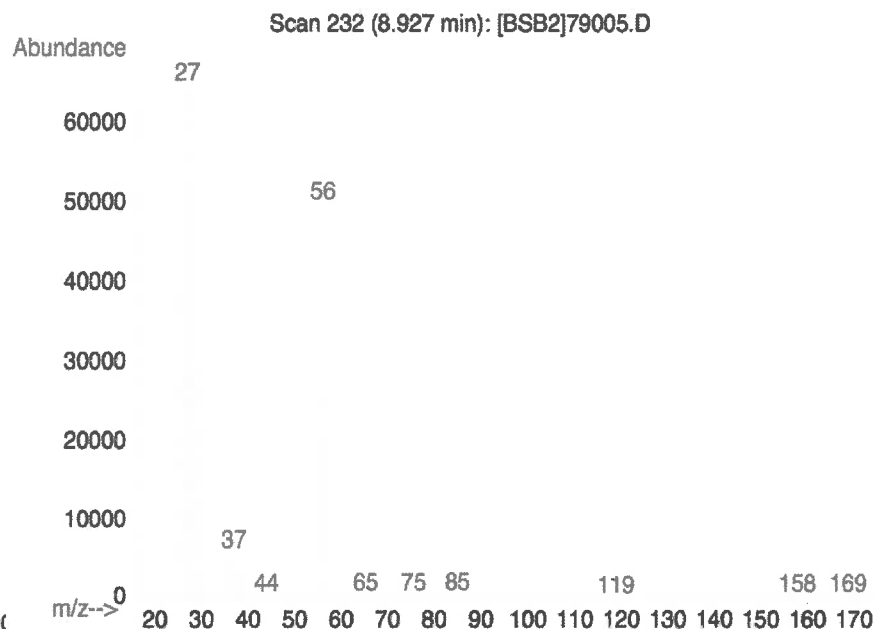
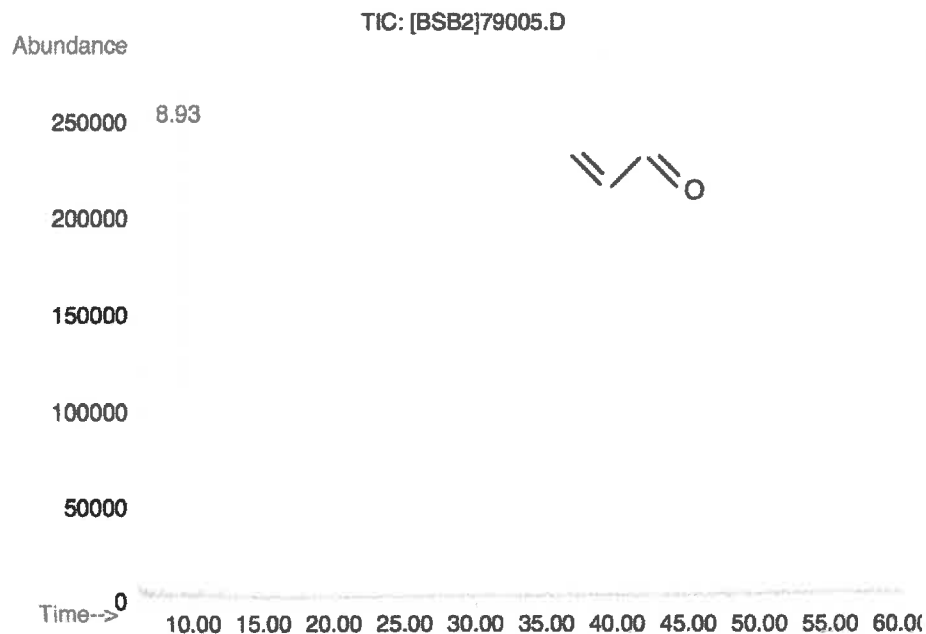
		021325
Formulated By:	Anthony Mahoney	DATE
		021325
Reviewed By:	Pedro L. Rentas	DATE

Weight(s) shown below were combined and diluted to (mL): 10.0

5E-05 Balance Uncertainty
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	0.05178	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

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

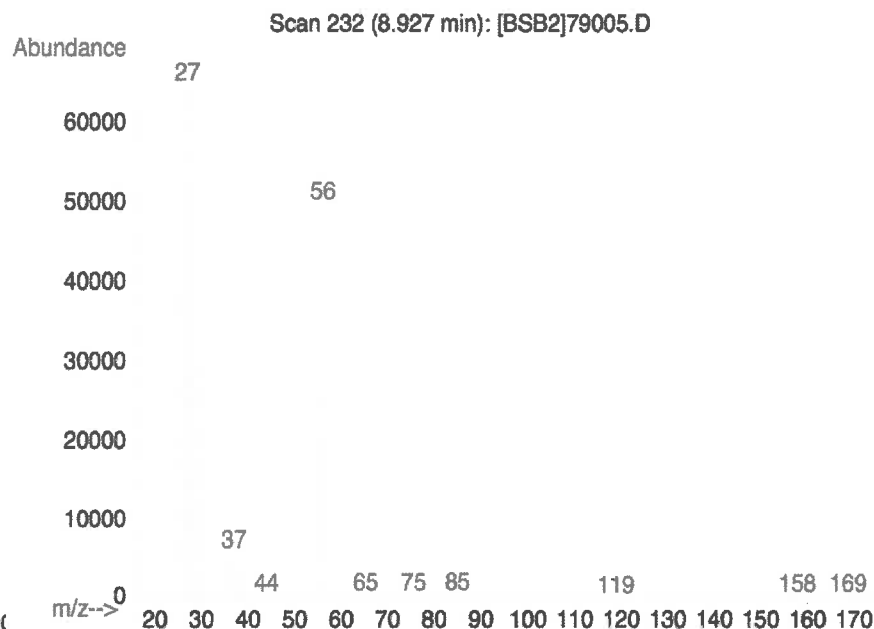
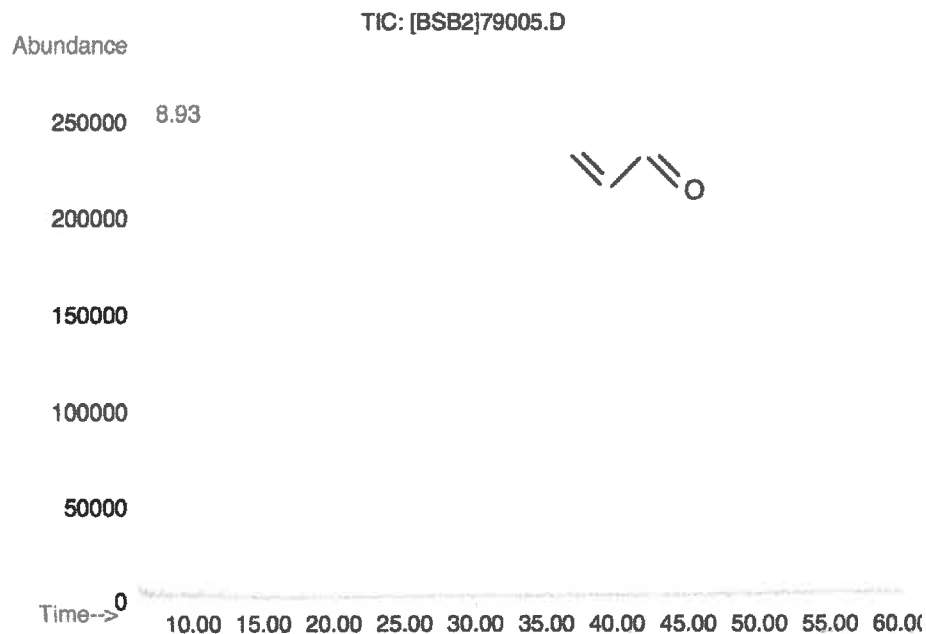
0.001 Flask Uncertainty

		021325
Formulated By:	Anthony Mahoney	DATE
		021325
Reviewed By:	Pedro L. Rentas	DATE

✓ 14872 to
✓ 14876

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):
Water

Lot#
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

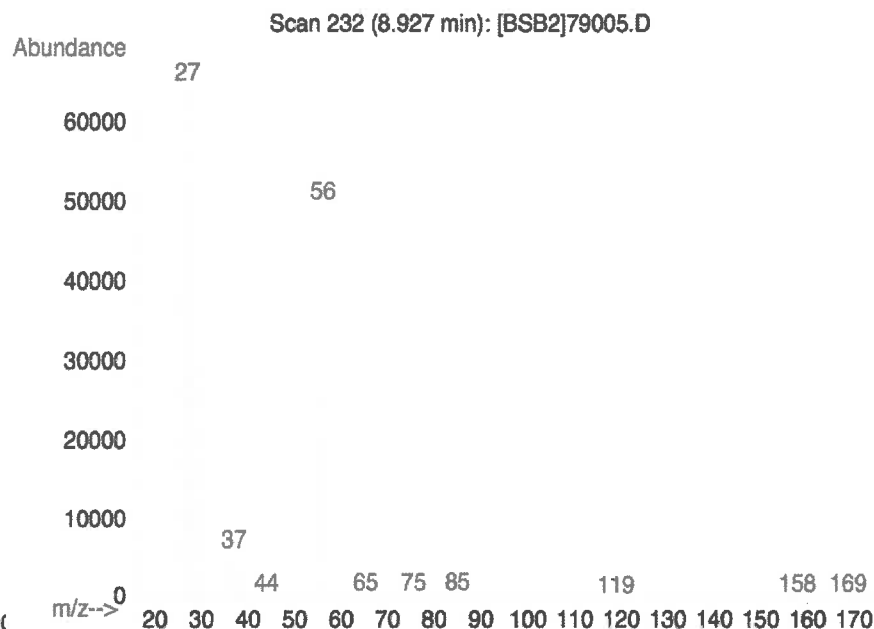
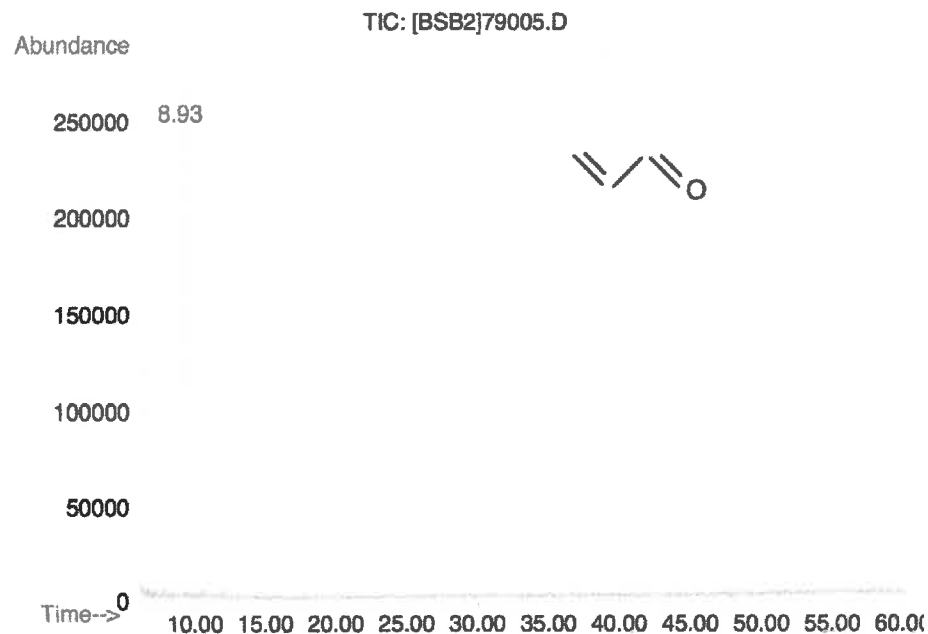
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 10.0

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 WEIGHT REPORT

Part Number: **95317**
Lot Number: **021524**
Description: **Universal VOA Megamix**
69 components
Expiration Date: 021527
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: BUTB

Solvent(s): **Methanol**
Lot#: **EG359-USQ12**

		021524
Formulated By:	Mario Luis	DATE
		021524
Reviewed By:	Pedro L. Rentes	DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

													Expanded			SDS Information		
Compound	(RM#)	Lot	Dil.	Initial	Initial	Nominal	Purity	Purity	Uncertainty	Target	Actual	Actual	Uncertainty	(Solvent Safety Info. On Attached pg.)				
	Part Number	Number	Factor	Vol. (mL)	Conc.(µg/mL)	Conc (µg/mL)	(%)	Uncertainty	Pipette (mL)	Weight(g)	Weight(g)	Conc (µg/mL)	(+/-) (µg/mL)	CAS#	OSHA PEL (TWA)	LD50		
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20022	2001.5	8.1	75-05-8	40 ppm (70mg/m3/8h)	or-rat 2480mg/kg		
2. Allyl chloride (3-Chloropropene)	(0325)	102398	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20222	2001.5	8.2	107-05-1	1 ppm (3mg/m3/8h)	or-rat 700mg/kg		
3. Carbon disulfide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-15-0	4 ppm (12mg/m3) (skin)	or-rat 1200mg/kg		
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21080	2000.2	8.5	1478-11-5	N/A	N/A		
5. trans-1,4-Dichloro-2-butene	(0466)	MKBP8041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20734	2000.3	8.4	110-57-5	N/A	N/A		
6. Diethyl ether	(0153)	JK18CASA000K	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20042	2001.7	8.1	60-29-7	N/A	N/A		
7. Ethyl methacrylate	(0381)	06186PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20231	2002.4	8.2	97-83-2	N/A	or-rat 14800mg/kg		
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20118	2001.2	8.1	74-88-4	5 ppm (28mg/m3/8h)(skin)	or-rat 76mg/kg		
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8h)	or-rat 9450mg/kg		
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20209	2000.2	8.2	128-96-7	1 ppm (3mg/m3/8h)(skin)	or-rat 120mg/kg		
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20042	2001.7	8.1	96-33-3	10 ppm(35mg/m3/8h)(skin)	or-rat 277mg/kg		
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20030	2000.5	8.1	80-62-6	100 ppm (410mg/m3/8h)	or-rat 787mg/kg		
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	98-95-3	1 ppm (5mg/m3/8h)(skin)	or-rat 780mg/kg		
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20670	2001.0	8.3	79-46-9	10 ppm (35mg/m3/8h)	or-rat 720mg/kg		
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20415	2000.2	8.3	78-01-7	N/A	N/A		
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20210	2000.3	8.2	79-13-1	1000 ppm (7600mg/m3/8h)	or-rat 43g/kg		
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	or-rat 916mg/kg		
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	or-rat 848mg/kg		
19. cis-1,2-Dichloroethane	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-60-2	N/A	N/A		
20. trans-1,2-Dichloroethane	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	or-rat 1235mg/kg		
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	or-rat 800mg/kg		
22. 1,1-Dichloroethane	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-36-4	1 ppm (4mg/m3/8h)	or-rat 200mg/kg		
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	or-rat 933mg/kg		
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.8mg/m3/8h)	or-rat 2350mg/kg		
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	or-rat 900mg/kg		
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-05-3	N/A	or-rat 106mg/kg		
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	or-rat 725mg/kg		
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	894-20-7	N/A	N/A		
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	127-18-4	25 ppm (170mg/m3/8h)(final)	or-rat 262mg/kg		
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8h)	or-rat 10300mg/kg		
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40018.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	or-rat 170mg/kg		
32. 1,2-Dibromooethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	108-93-4	20 ppm (8h)	or-rat 108mg/kg		
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8h)	or-rat 670mg/kg		
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8h)	or-rat 1947mg/kg		
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	ure-mus 3600mg/kg		
36. 1,1-Dichloropropane	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A		
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A		
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A		
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8h)	or-rat 82mg/kg		
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	830-20-6	N/A	or-rat 670mg/kg		
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8h) (skin)	or-rat 800mg/kg		
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8h)(skin)	or-rat 836mg/kg		
43. Trichloroethane	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8h)	or-mus 2400mg/kg		
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8h)	or-rat 149.8mg/kg		
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	or-rat 4694mg/kg		
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-1	N/A	or-rat 2699mg/kg		
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A		
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8h)	or-rat >2000mg/kg		
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-8	N/A	or-rat 4750mg/kg		
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8h)	or-rat 490mg/kg		
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg		
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	or-rat 5000mg/kg		
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1300mg/kg		
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 750mg/kg		
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.8	23.0	95-63-6	N/A	or-rat 50mg/kg		
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	or-rat 5000mg/kg		
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8h)	or-rat 50mg/kg		
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	98-06-6	N/A	N/A		
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-6	N/A	or-rat 2240mg/kg		
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8h)	or-rat 2290mg/kg		
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-5	50 ppm (250mg/m3/8h)	or-rat 3900mg/kg		
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7						

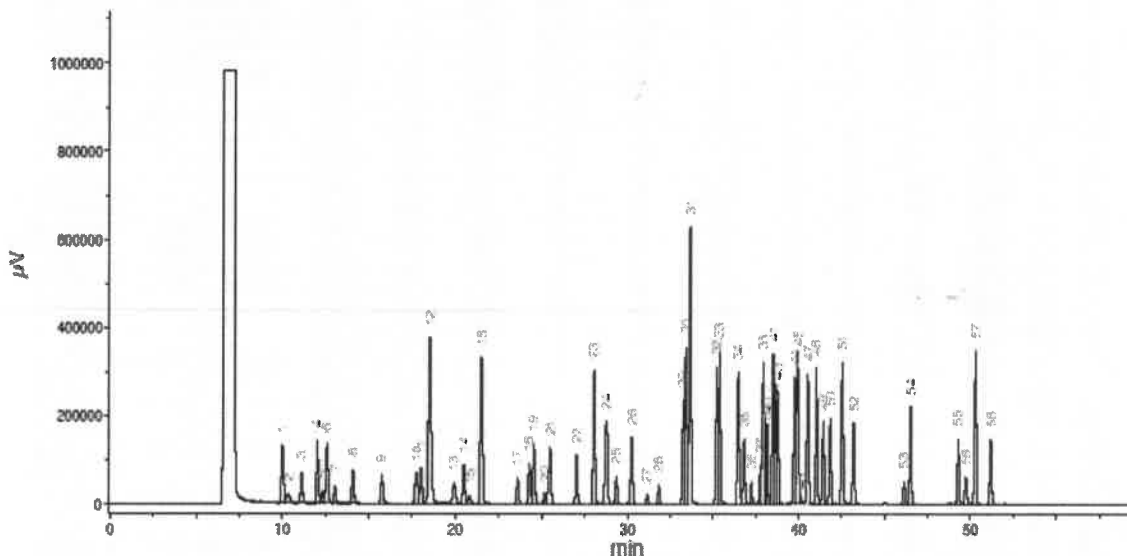


Run 17, "P95317 L021524 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 10:04:27 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments

GC5-M1 Analysis by Candice Warren
Column ID SPB-Voccol 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-Dichloroethene	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-Dichloroethene	14.07
9	1,1-Dichloroethane	15.34
10	2,3-Dichloropropene	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	19.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	22.58
18	1,3-Dichloropropene	24.26
19	Methyl methacrylate	24.52
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropene	30.24
27	Dibromochloromethane	31.18
28	1,2-Dibromopropane	31.84
29	Chlorobenzene	33.39
30	Ethylbenzene/1,1,1,2-tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.66
32	o-Xylene	33.72
33	Styrene	33.99
34	Isopropylbenzene/Bromoform	36.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.32
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	43.10
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.48
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

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CERTIFIED WEIGHT REPORT

Part Number: **95317**
Lot Number: **021624**
Description: **Universal VOA Megamix**
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 8UTB

Solvent(s): **Methanol**
Lot# **EG359-USQ12**

Formulated By: <i>Prashant Chauhan</i>		021624
		DATE
Reviewed By: <i>Pedro L. Rentes</i>		021624
		DATE

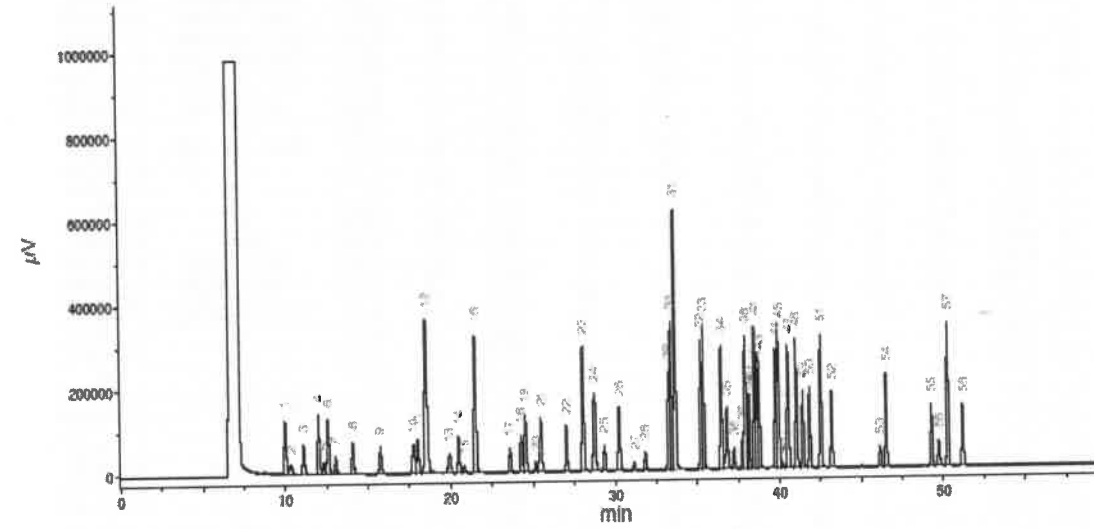
Weight(s) shown below were combined and diluted to (mL): **100.0** **0.021** Balance Uncertainty
Flask Uncertainty

Compound	(RM#)	Lot Number	Di. Factor	Initial Vol. (mL)	Initial Conc. (µg/mL)	Nominal Conc. (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc. (µg/mL)	Expanded Uncertainty (±) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.)		
														CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	or-rat 2400mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102395	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	or-rat 7000mg/kg
3. 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
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	MKBP6041F	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	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
7. Ethyl methacrylate	(0381)	06126PK	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	or-rat 14800mg/kg
8. Iodomethane	(0489)	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 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	or-rat 3480mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H) (skin)	or-rat 1200mg/kg
11. Methyl acrylate	(1075)	SHBK6579	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm (35mg/m3/8H) (skin)	or-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	or-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H) (skin)	or-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	or-rat 7200mg/kg
15. Perfluorooctane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.8	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7800mg/m3/8H)	or-rat 43mg/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	or-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	or-rat 848mg/kg
19. cis-1,2-Dichloroethane	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethane	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	156-60-5	N/A	or-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	or-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	or-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	or-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	or-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	67-66-3	50 ppm (240mg/m3) (CL)	or-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	or-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	or-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethane	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H) (flnal)	or-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	or-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-6	0.001 ppm	or-rat 170mg/kg
32. 1,2-Dibromomethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	or-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-08-2	50 ppm (8H)	or-rat 870mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-57-5	75 ppm (350mg/m3/8H)	or-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	un-rat 3600mg/kg
36. 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
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	22.9	87-68-3	0.02 ppm (0.24mg/m3/8H)	or-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	or-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H) (skin)	or-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H) (skin)	or-rat 636mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	80 ppm (270mg/m3/8H)	or-rat 2400mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (50mg/m3/8H)	or-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	or-rat 4694mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	or-rat >2000mg/kg
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	or-rat 4750mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	or-rat 4900mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg
51. Styrene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-98-3	200 ppm	or-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	or-rat 1390mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 750mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	23.0	95-63-6	N/A	or-rat 5g/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-57-8	N/A	or-rat 5000mg/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	or-rat 5g/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	or-rat 2240mg/kg
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	or-rat 2290mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	80 ppm (250mg/m3/8H)	or-rat 3900mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	or-rat 2100mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	or-rat 1063mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	78 ppm (450mg/m3/8H)	or-rat 900mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	96-52-6	80 ppm (245mg/m3/8H)	or-rat 1400mg/kg

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,2-trifluoroethane	10.33
3	1,1-Dichloroethane	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethane	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.24
11	cis-1,2-Dichloroethane	18.00
12	Methacrylonitrile/methyl acrylate/Chloroform	18.46
13	Isobutane/1,1,1-Trichloroethane	19.01
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.49
17	Trichloroethane	23.58
18	1,2-Dichloropropane	24.38
19	Methyl methacrylate	24.52
20	Bromochloromethane	25.13
21	Dibromomethane/2-Helopropene	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropene	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromomethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.66
32	o-Xylene	35.22
33	Styrene	35.39
34	Isopropylbenzene/Bromoforn	36.18
35	cis-1,4-Dichloro-3-butene	36.48
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropene	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-3-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.74
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.46
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Safety Data Sheet (SDS)

GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY ANALYTICAL STANDARD DISSOLVED IN METHANOL

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	1-800-535-5053
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	1-352-323-3500
		Date Prepared/Revised	January 1, 2023

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	Highly Flammable Liquid and Vapor	H301, 311, 331	Toxic if swallowed, skin contact, inhaled
H370	Cause damage to organs	H351	Suspected of causing cancer
P271	Use in ventilated area	P280	Use gloves, eye protection/face shield
P302,332	If on skin, wash with soap and water	P305,351,338	If in eyes, remove contacts, rinse with water



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1 TWA 200 ppm
Skin notation	TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.	
Personal protective equipment	Respiratory protection. Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.	

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



CERTIFIED WEIGHT REPORT

Part Number: **95317**
Lot Number: **021624**
Description: **Universal VOA Megamix**
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 8UTB

Solvent(s): **Methanol**
Lot#: **EG359-USQ12**

<i>Prashant Chauhan</i>		021624
Formulated By:	Prashant Chauhan	DATE
<i>Pedro L. Rentes</i>		021624
Reviewed By:	Pedro L. Rentes	DATE

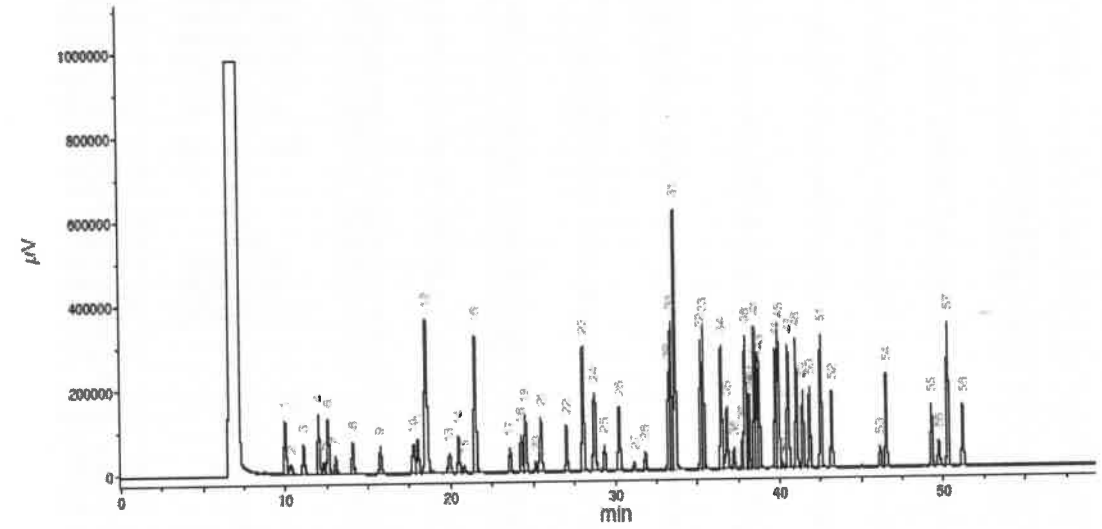
Weight(s) shown below were combined and diluted to (mL): **100.0** **0.021** Balance Uncertainty: **5E-05** Flask Uncertainty: **0.021**

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)	CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	or-rat 2400mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102395	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	or-rat 7000mg/kg
3. Carbon disulfide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	or-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	6.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0486)	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
6. 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
7. Ethyl methacrylate	(0381)	06126PK	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	or-rat 14800mg/kg
8. Iodomethane	(0489)	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
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	or-rat 2400mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H) (skin)	or-rat 1200mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm (35mg/m3/8H) (skin)	or-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	or-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H) (skin)	or-rat 700mg/kg
14. 2-Nitropropane	(0481)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	or-rat 7200mg/kg
15. Perfluorooctane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.8	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7800mg/m3/8H)	or-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	or-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	or-rat 840mg/kg
19. cis-1,2-Dichloroethane	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethane	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	or-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	or-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.6	22.9	75-35-4	1 ppm (4mg/m3/8H)	or-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	or-rat 930mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	or-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	or-rat 900mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-85-3	N/A	or-rat 105mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	N/A	or-rat 108mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	100 ppm	or-rat 725mg/kg
29. Tetrachloroethane	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	1999.8	20.4	584-20-7	N/A	N/A
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H) (linal)	or-rat 2629mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	or-rat 10300mg/kg
32. 1,2-Dibromomethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-6	0.001 ppm	or-rat 170mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	106-93-4	20 ppm (8H)	or-rat 108mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	2000.2	22.9	107-08-2	50 ppm (8H)	or-rat 870mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	2000.2	22.9	78-57-5	75 ppm (350mg/m3/8H)	or-rat 1947mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	un-rat 3600mg/kg
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-56-6	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.8	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	or-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	or-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H) (skin)	or-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (46mg/m3/8H) (skin)	or-rat 636mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	or-rat 2400mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (50mg/m3/8H)	or-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	or-rat 4694mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-98-1	N/A	or-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	or-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	or-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	or-rat 4900mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.6	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	or-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-98-3	200 ppm	or-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	or-rat 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	or-rat 750mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	or-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	106-57-8	N/A	or-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	or-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	22.9	135-98-8	N/A	or-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	or-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	or-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	or-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	or-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	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	18.48
13	Isobutane/1,1,1-Trichloroethane	19.01
14	1,1-Dichloropropane	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethane	23.58
18	1,2-Dichloropropane	24.38
19	Methyl methacrylate	24.52
20	Bromochloromethane	25.13
21	Dibromomethane/2-Hydropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.05
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropene	30.24
27	Dibromochloromethane	31.16
28	1,2-Dibromomethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.66
32	o-Xylene	35.22
33	Styrene	35.38
34	Isopropylbenzene/Bromoforn	36.18
35	cis-1,4-Dichloro-3-butene	36.48
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropene	37.77
38	n-Propylbenzene	37.93
39	trans-1,4-Dichloro-3-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.80
42	2-Chlorotoluene	38.82
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.74
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.83
51	n-Butylbenzene	42.53
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.48
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: AcroleinSolvent(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

Formulated By:	Justin Dippold
091424 DATE	
Reviewed By:	Pedro L. Rentas
091424 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

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



Abundance

27

60000

50000

40000

30000

20000

10000

m/z--> 0

20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170

37

44

65 75 85

119

158 169

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- 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#: **072324Q**

Formulated By:	Justin Dippold
DATE: 091424	
Reviewed By:	Pedro L. Rentas
DATE: 091424	

Expiration Date: 101424

Recommended Storage: Refrigerate (4 °C)

Nominal Concentration (µg/mL): 5000

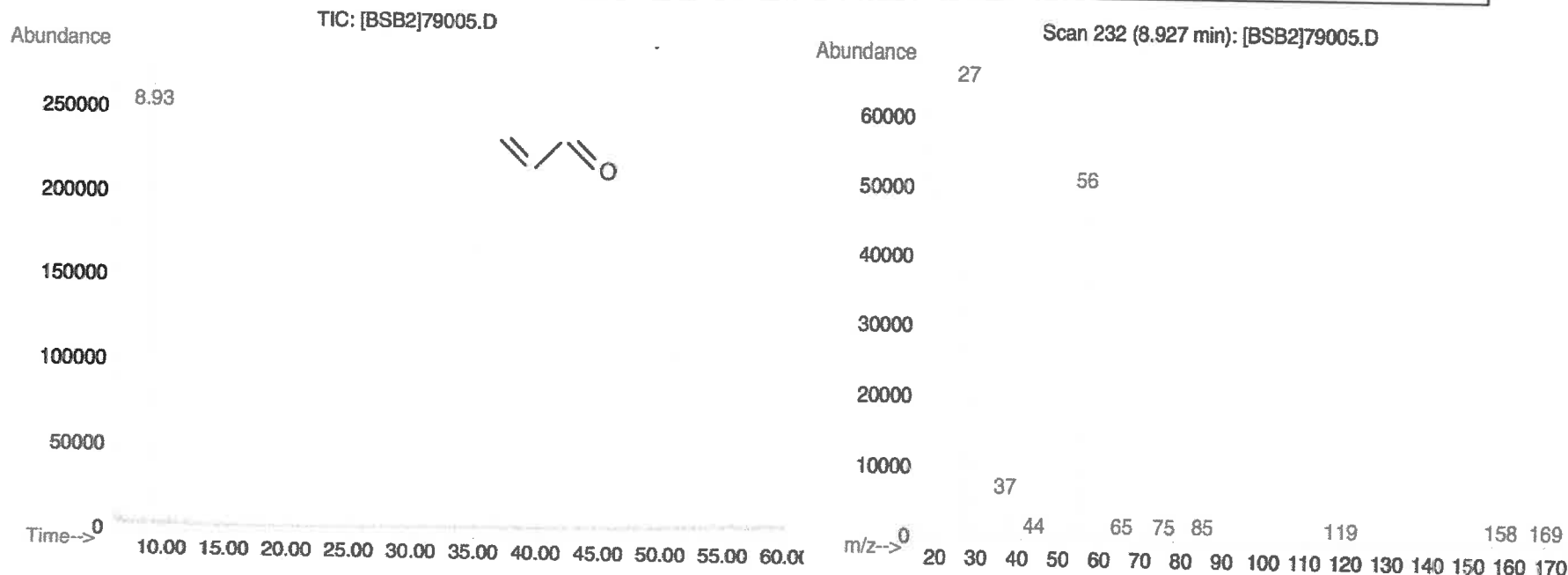
NIST Test ID#: 6UTB

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.





CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 111722
Description: 2-Chloroethyl vinyl ether

Solvent(s): Lot#
Methanol EB679-US

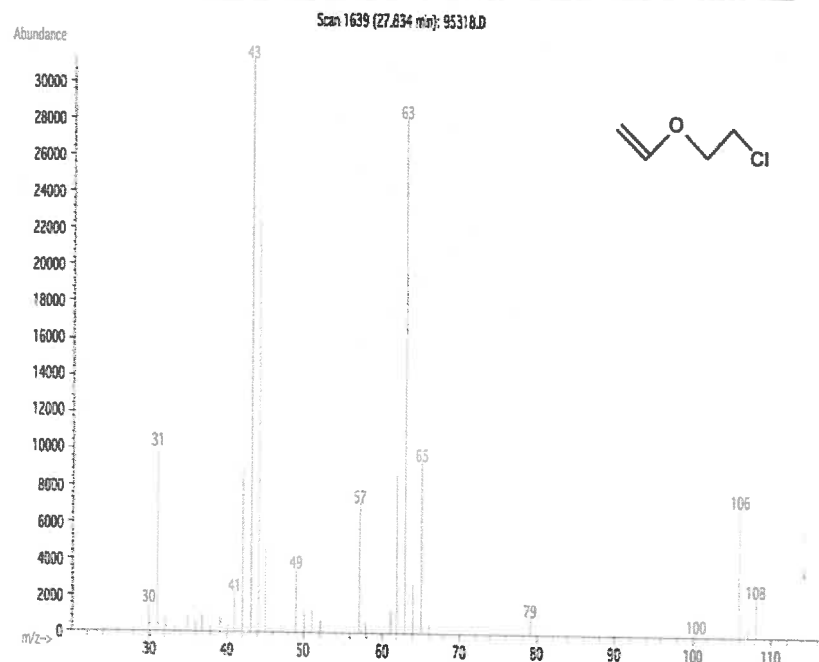
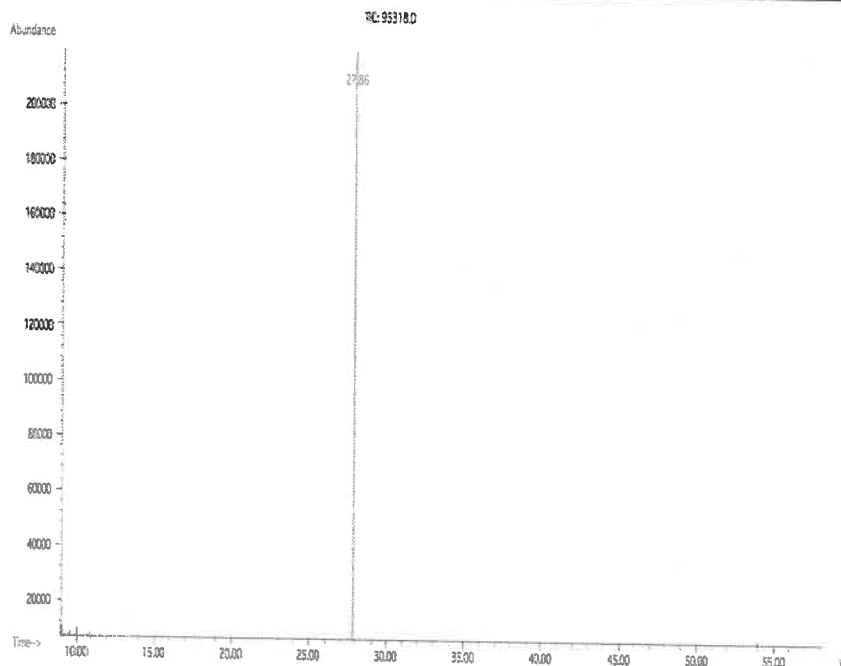
Expiration Date: 111725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 50.0
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

<i>Eli Aliaga</i>		111722
Formulated By:	Eli Aliaga	DATE
<i>Pedro L. Rentas</i>		111722
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	0.50541	0.50551	10001.9	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).



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**

Weight(s) shown below were combined and diluted to (mL): **50.0**

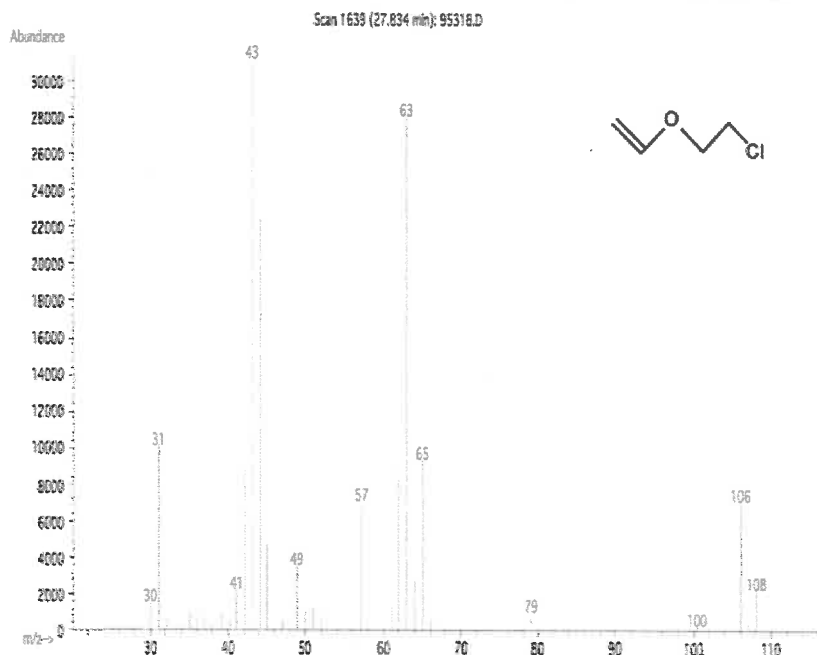
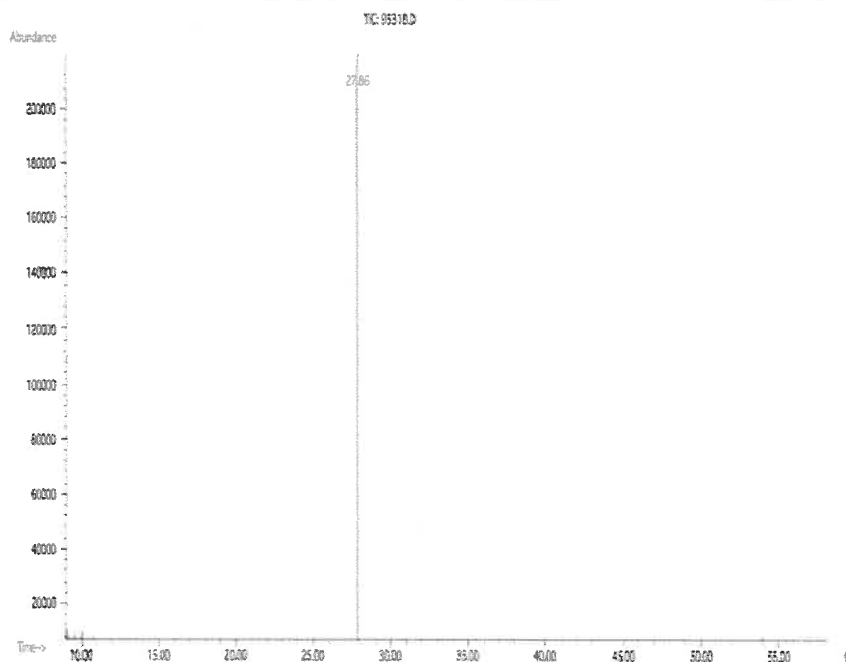
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE
Pedro L. Rentas 120524
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to
✓ 14649

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
	CAS#: 67-56-1	

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	TWA 200 ppm
Skin notation		TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.		
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.		

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6
Solubility in Water	COMPLETE		
Appearance and Odor	CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.		

Section X. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapours may form explosive mixture with air.
Conditions to avoid	Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid	Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions.	- Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50 15,400 mg/l - 96 h
EC50 24,500.00 mg/l - 48 h
EC100 10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)	IATA
UN number: 1230 Class: 3 Packing group: II	UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol	Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified 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**

Weight(s) shown below were combined and diluted to (mL): **50.0**

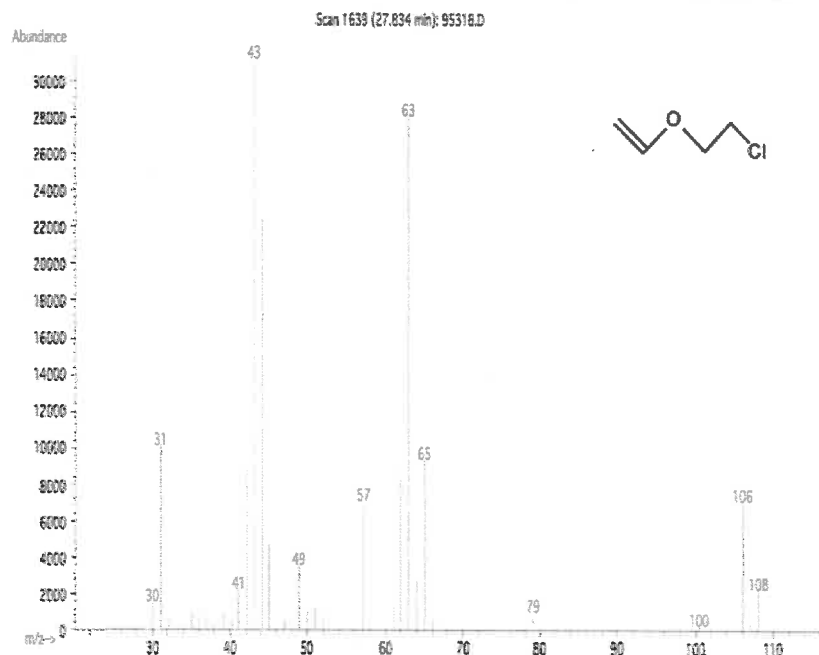
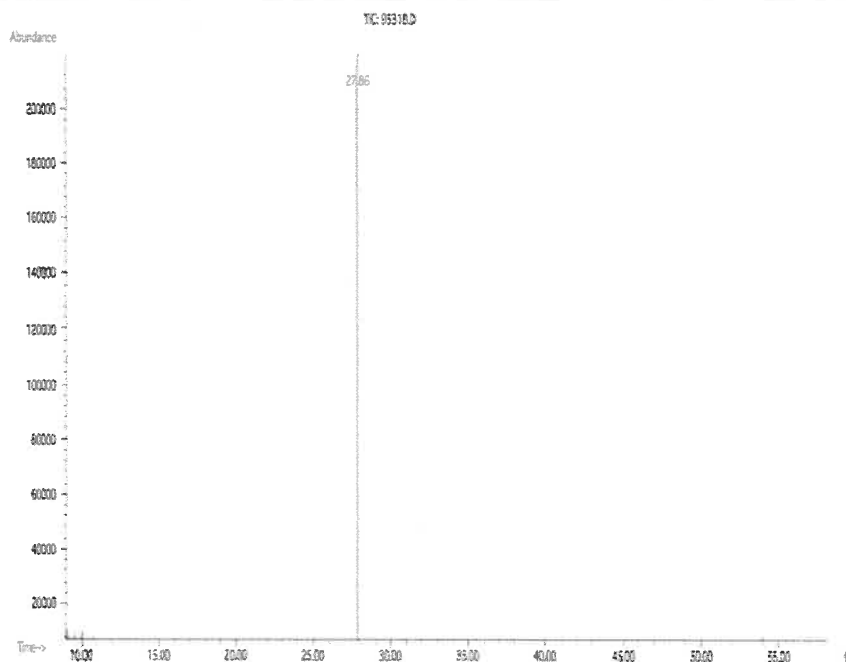
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE
Pedro L. Rentas 120524
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to
✓ 14649

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	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**

Weight(s) shown below were combined and diluted to (mL): **50.0**

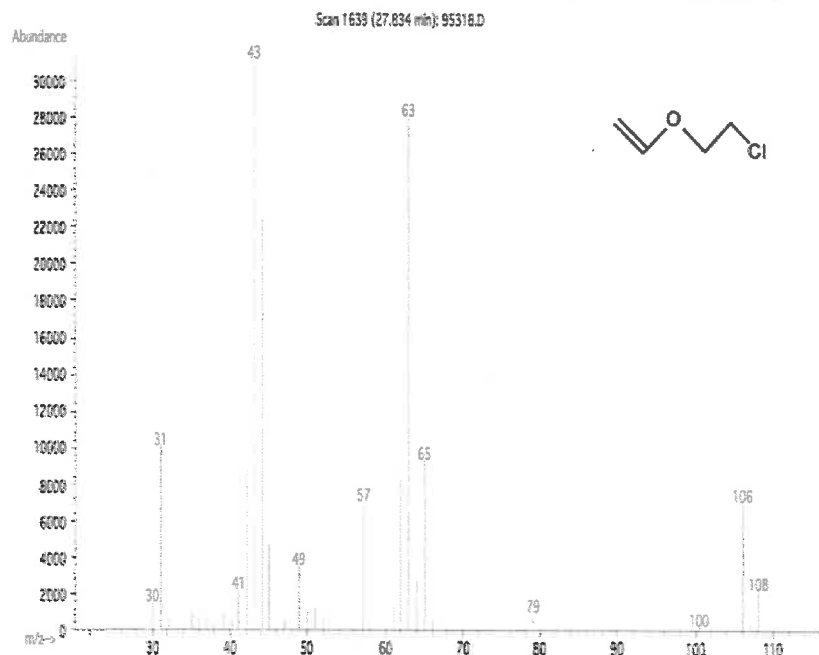
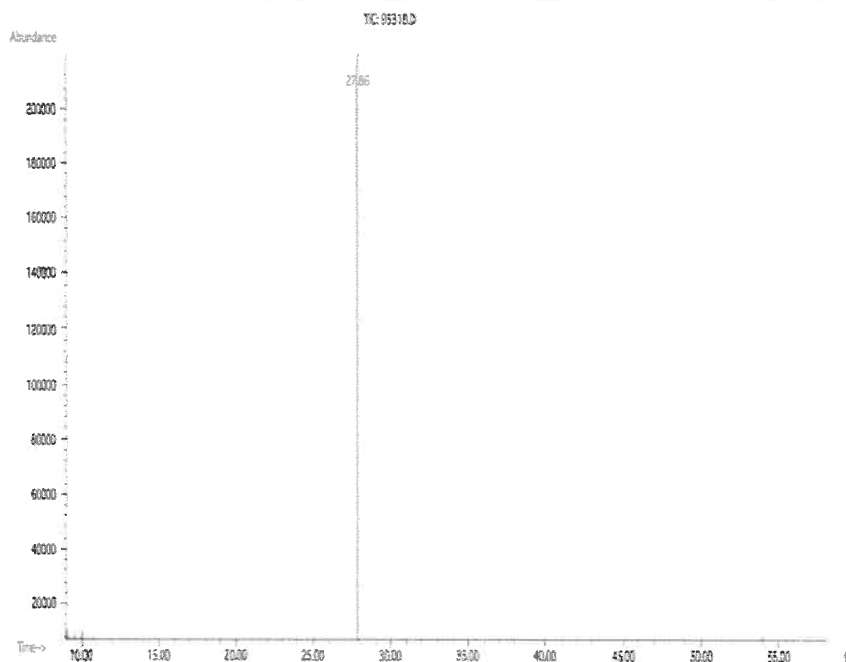
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE
Pedro L. Rentas 120524
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to
✓ 14649

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	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**

Weight(s) shown below were combined and diluted to (mL): **50.0**

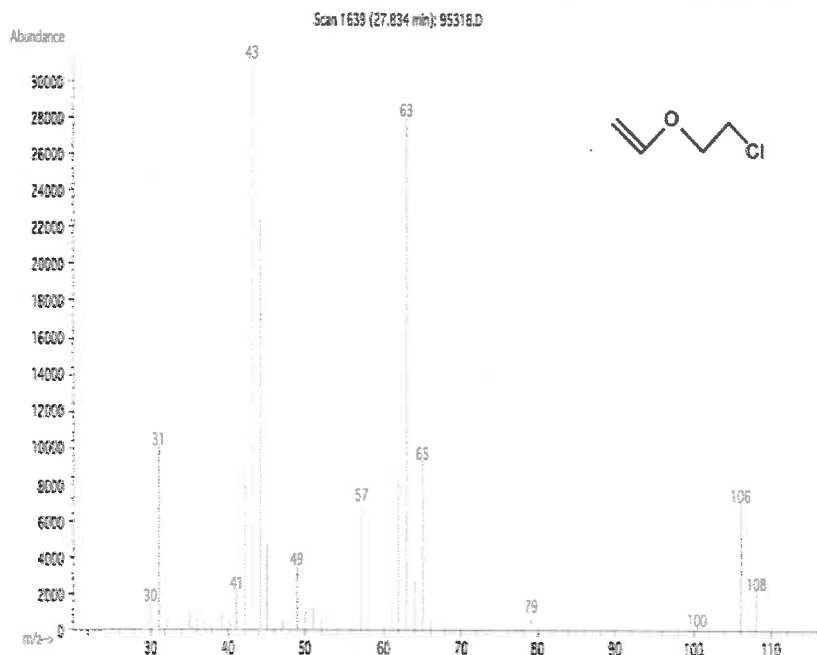
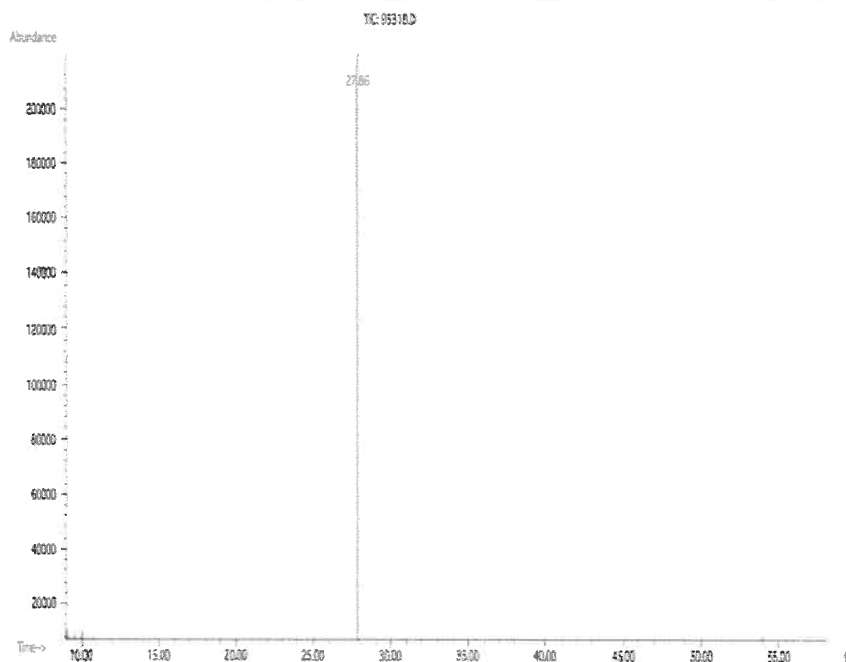
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Prashant Chauhan 120524
Formulated By: Prashant Chauhan DATE
Pedro L. Rentas 120524
Reviewed By: Pedro L. Rentas DATE

✓ 14630 to
✓ 14649

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.

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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.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol	67-56-1	TWA 200 ppm
Skin notation		TWA 200 ppm
Potential for skin absorption, ingestion and inhalation.		
Personal protective equipment	Respiratory protection	Handle with gloves. Gloves must be inspected prior to use. Eye protection.
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Boiling Point	65°C	Specific Gravity (H ₂ O = 1)	0.79
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Solubility in Water	COMPLETE		
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LD50 Dermal - rabbit - 15,800 mg/kg
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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

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0181905
Description : tert-Butanol Standard
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : February 28, 2025 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)												
1	tert-Butanol (TBA) CAS # 75-65-0 Purity 99% (Lot SHBM7694)	50,126.0 µg/mL	<table><tr><td>+/-</td><td>293.4988</td><td>µg/mL</td><td>Gravimetric</td></tr><tr><td>+/-</td><td>1,073.7654</td><td>µg/mL</td><td>Unstressed</td></tr><tr><td>+/-</td><td>1,104.9494</td><td>µg/mL</td><td>Stressed</td></tr></table>	+/-	293.4988	µg/mL	Gravimetric	+/-	1,073.7654	µg/mL	Unstressed	+/-	1,104.9494	µg/mL	Stressed
+/-	293.4988	µg/mL	Gravimetric												
+/-	1,073.7654	µg/mL	Unstressed												
+/-	1,104.9494	µg/mL	Stressed												

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

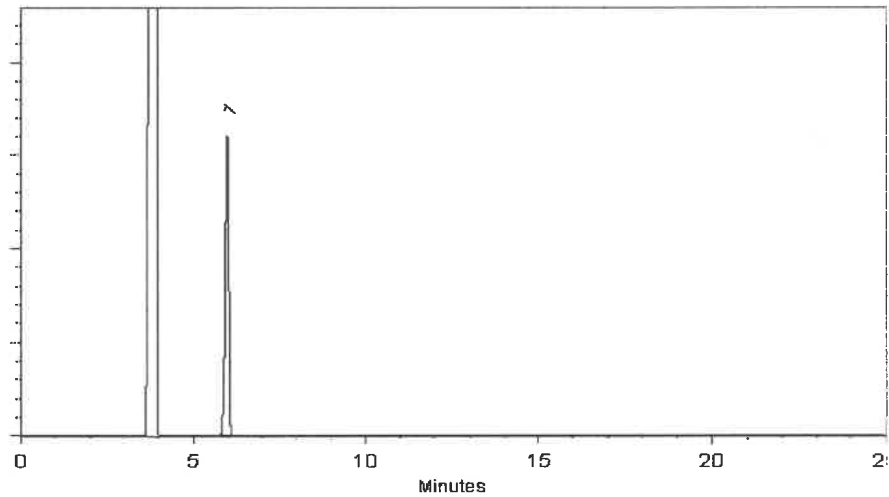
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

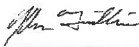
Inj. Temp:
200°C

Det. Temp:
250°C

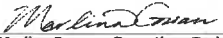
Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


John Friedline - Operations Technician I

Date Mixed: 16-Feb-2022 Balance: B442140311


Marlene Cowan - Operations Tech I

Date Passed: 21-Feb-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0191703
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 : November 30, 2025 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	tert-Butanol (TBA) CAS # 75-65-0 Purity 99% (Lot 101619K21F-1)	50,122.0 µg/mL	+/- 293.4753 µg/mL Gravimetric +/- 1,073.6797 µg/mL Unstressed +/- 1,104.8612 µg/mL Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

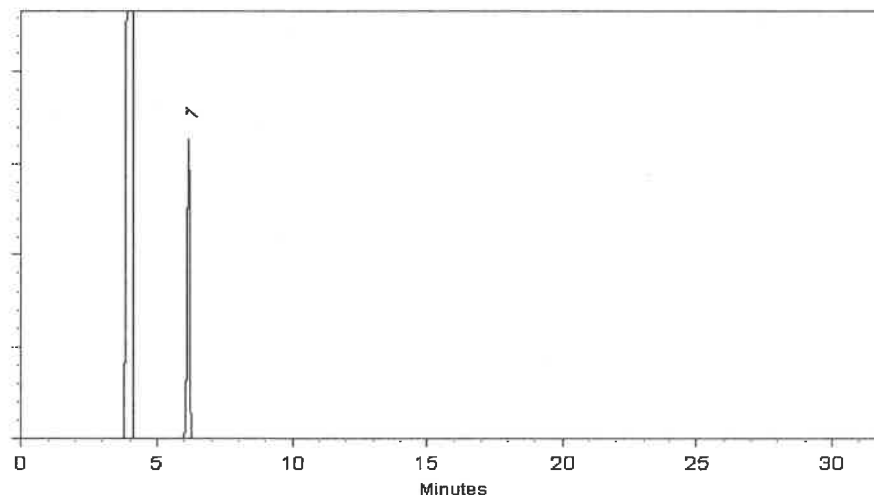
200°C

Det. Temp:

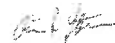
250°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Alicia Leathers - Operation Technician I

Date Mixed: 15-Nov-2022

Balance: 1127510105


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 17-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 combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



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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:

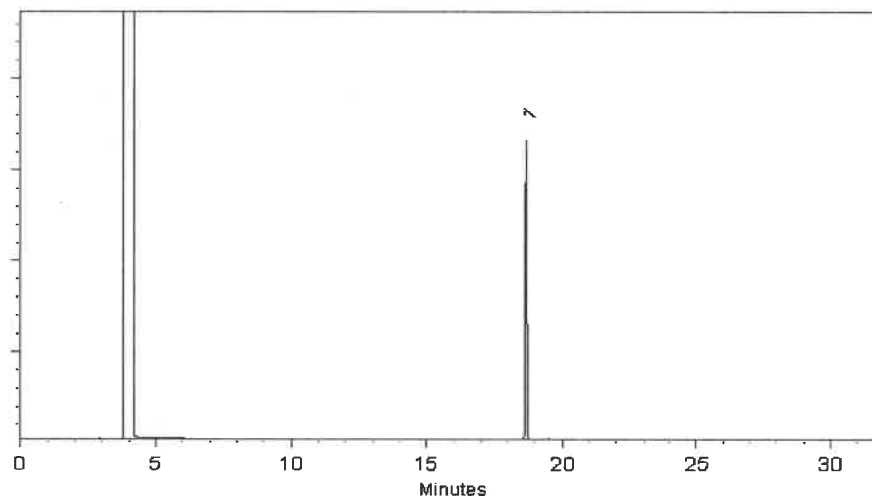
FID

Split Vent:

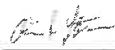
40 ml/min

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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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

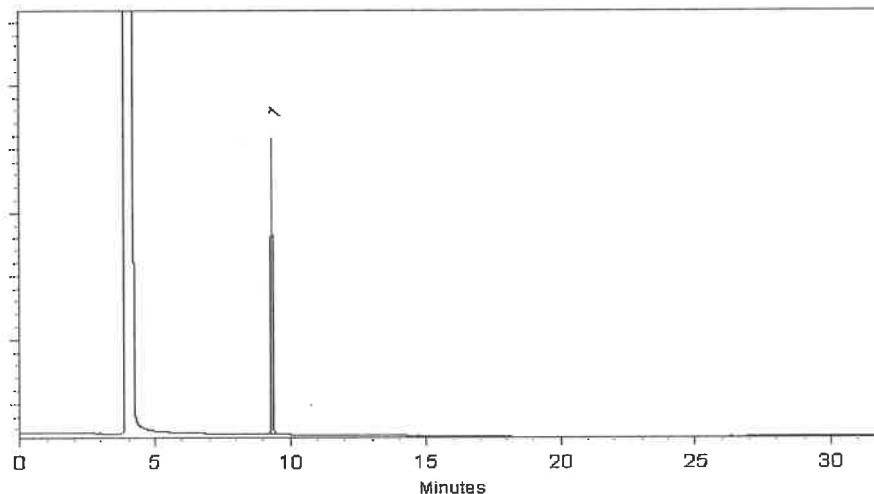
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 Balance Serial # B707717271


Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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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:

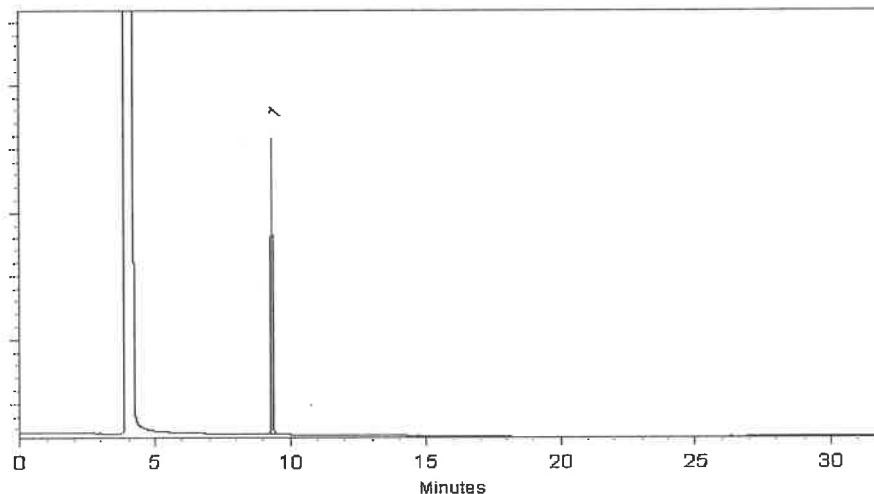
FID

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.
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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%.

- 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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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:

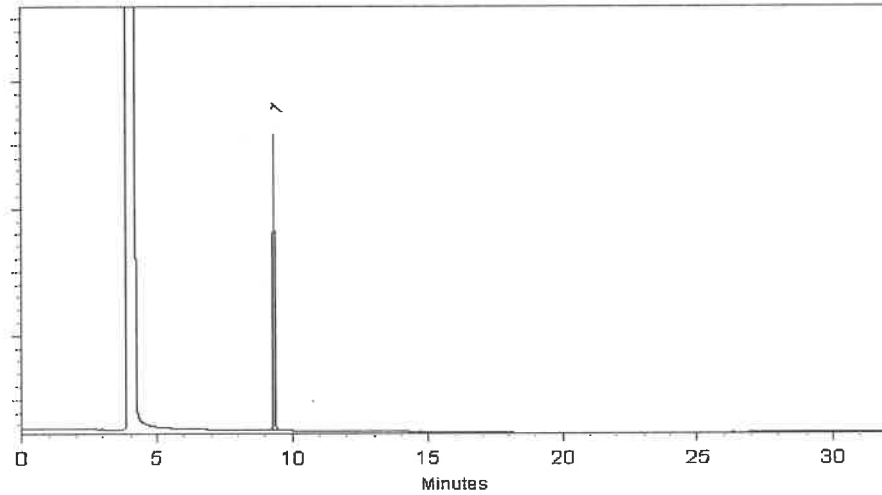
FID

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.
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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:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

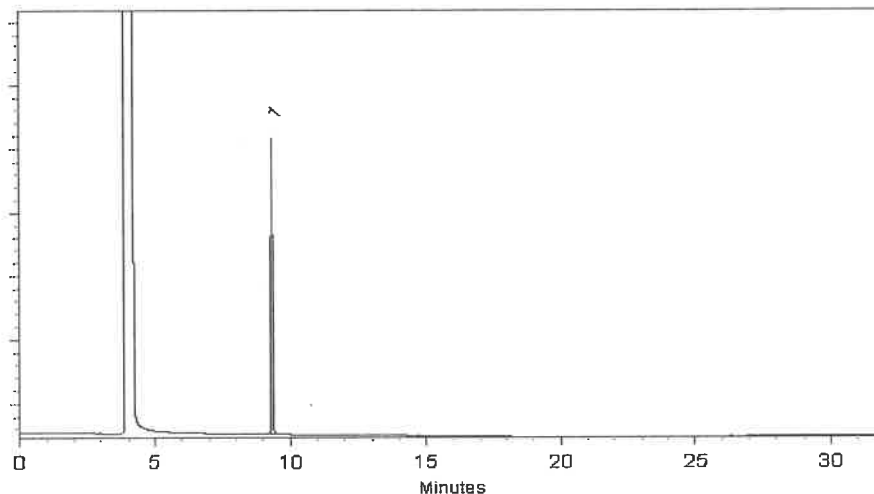
FID

Split Vent:

40 ml/min

Inj. Vol

1µl



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Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 Balance Serial # B707717271


Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

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Manufacturing Notes:

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Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 Lot No.: A0193887
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 : April 30, 2026 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,006.5 µg/mL	+/- 173.0015
2	2-Butanone (MEK)	78-93-3	SHBN9536	99%	5,008.5 µg/mL	+/- 173.0706
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,000.3 µg/mL	+/- 172.7884
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,001.7 µg/mL	+/- 172.8345

* 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:

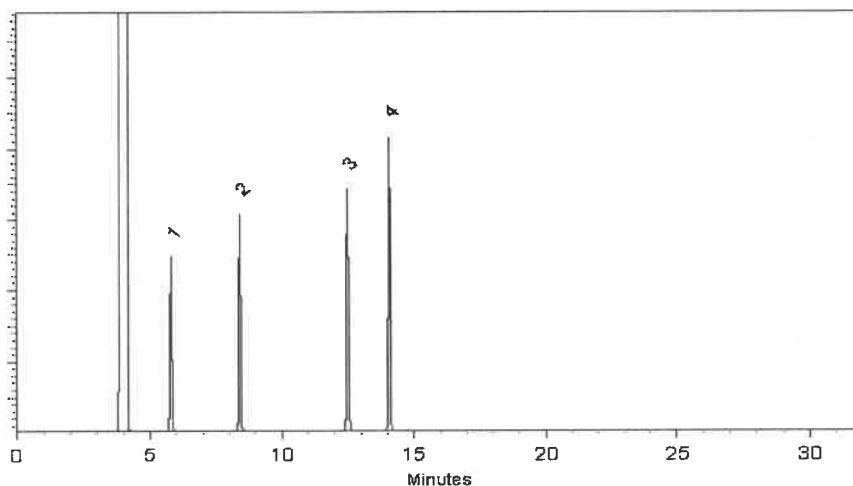
FID

Split Vent:

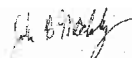
40 ml/min

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.


Josh McCloskey - Operations Technician I

Date Mixed: 24-Jan-2023

Balance Serial # B707717271


Christie Mills - Operations Tech II - ARM QC

Date Passed: 27-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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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.: A0193887
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 : April 30, 2026 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	5,006.5 µg/mL	+/- 173.0015
2	2-Butanone (MEK)	78-93-3	SHBN9536	99%	5,008.5 µg/mL	+/- 173.0706
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	5,000.3 µg/mL	+/- 172.7884
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,001.7 µg/mL	+/- 172.8345

* 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:

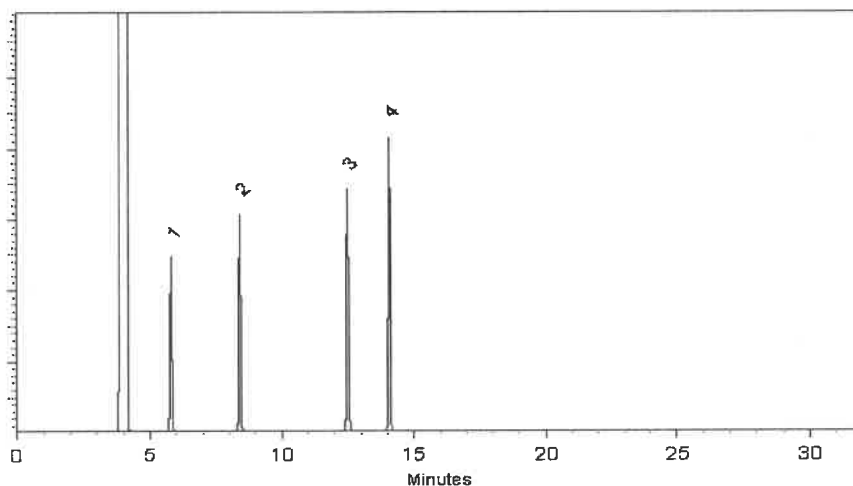
FID

Split Vent:

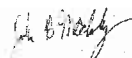
40 ml/min

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.


Josh McCloskey - Operations Technician I

Date Mixed: 24-Jan-2023

Balance Serial # B707717271


Christie Mills - Operations Tech II - ARM QC

Date Passed: 27-Jan-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0194279

Description : 502.2 Calibration Mix #1
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,001.5 µg/mL	+/- 112.7231
2	Chloromethane (methyl chloride)	74-87-3	SHBK6571	99%	2,001.2 µg/mL	+/- 112.5863
3	Vinyl chloride	75-01-4	00015559	99%	2,001.4 µg/mL	+/- 112.6561
4	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,006.4 µg/mL	+/- 112.8262
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,001.9 µg/mL	+/- 112.5897
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,000.8 µg/mL	+/- 112.6473

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:

60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:

helium-constant flow 2.0 mL/min.

Temp. Program:

40°C (hold 6 min.) to 100°C
@ 6°C/min.

Inj. Temp:

200°C

Det. Temp:

250°C

Det. Type:

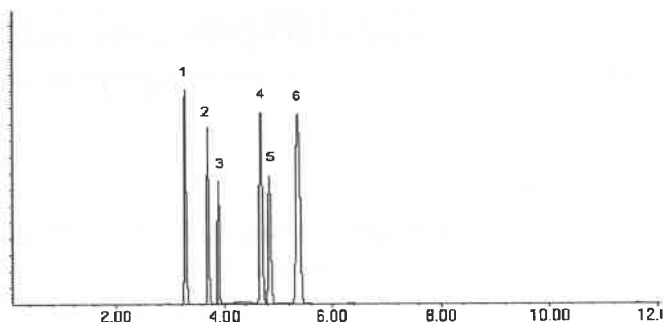
MSD

Split Vent:

Split ratio 10:1

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Tom Suckar - Mix Technician

Date Mixed: 03-Feb-2023

Balance Serial # B707717271


Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Feb-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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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

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023

Balance: 1127510105

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol,
1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023

Balance: 1127510105

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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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.:** A0205013
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 : June 30, 2025 **Storage:** -20°C or colder
Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,012.7 µg/mL	+/- 69.5670
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,017.5 µg/mL	+/- 69.7338
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,020.0 µg/mL	+/- 69.8205
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,018.7 µg/mL	+/- 69.7744
5	Propyl acetate	109-60-4	KLOBM	99%	2,012.0 µg/mL	+/- 69.5439
6	Butyl acetate	123-86-4	SHBP6314	99%	2,020.0 µg/mL	+/- 69.8205
7	Amyl acetate	628-63-7	41325/1	97%	2,019.5 µg/mL	+/- 69.8046

* 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:

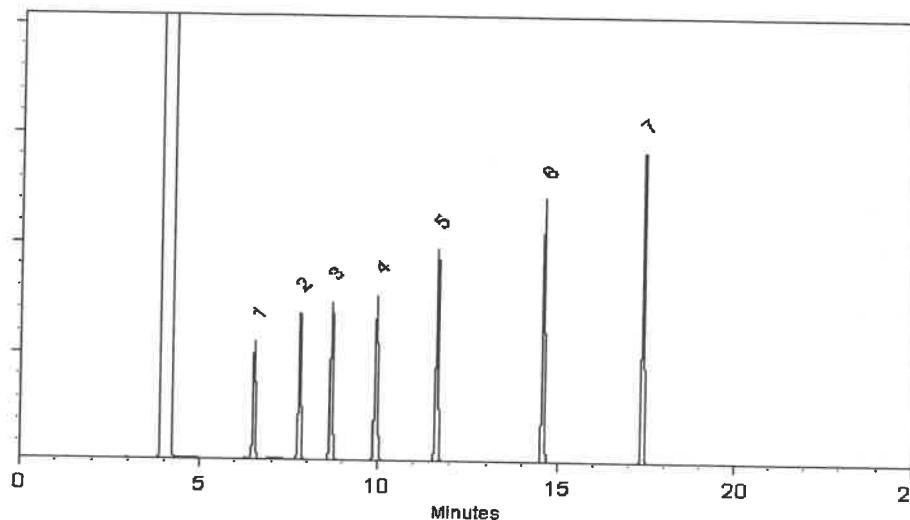
FID

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.

Brittany Federinko - Operations Tech I

Date Mixed: 04-Dec-2023

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Dec-2023

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- 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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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.)

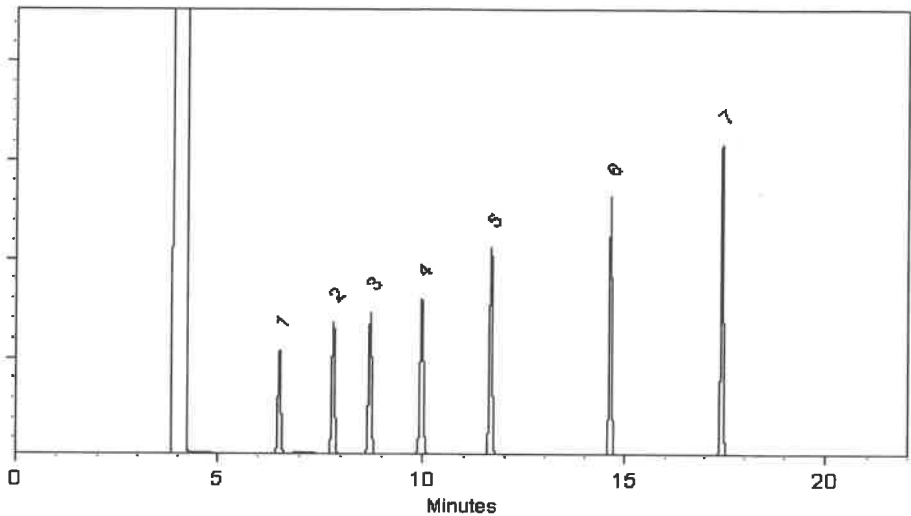
Inj. Temp:
200°C

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

Dylan Murphy
Dylan 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.
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

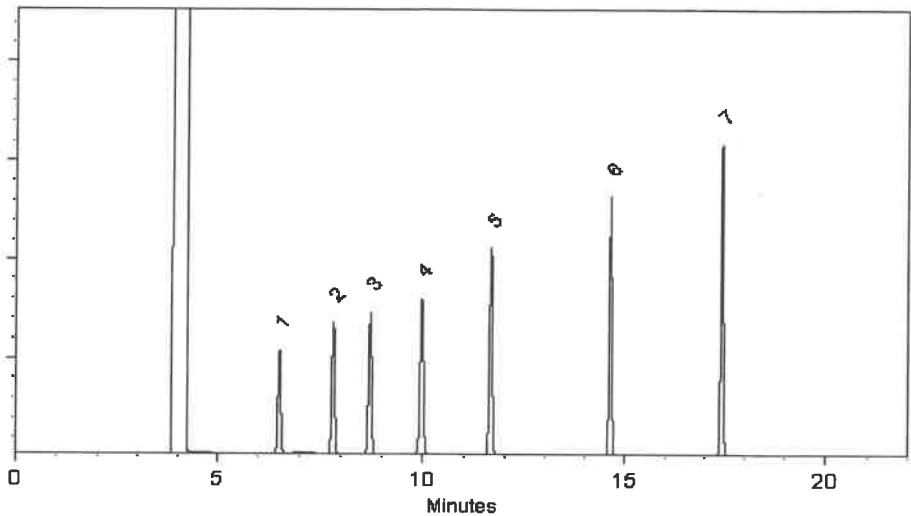
Inj. Temp:
200°C

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

Dylan Murphy
Dylan 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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gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

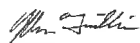
Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%


John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024

Balance: 1127510105

REVISED
By Restek Review of 11-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/ 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.
- 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:

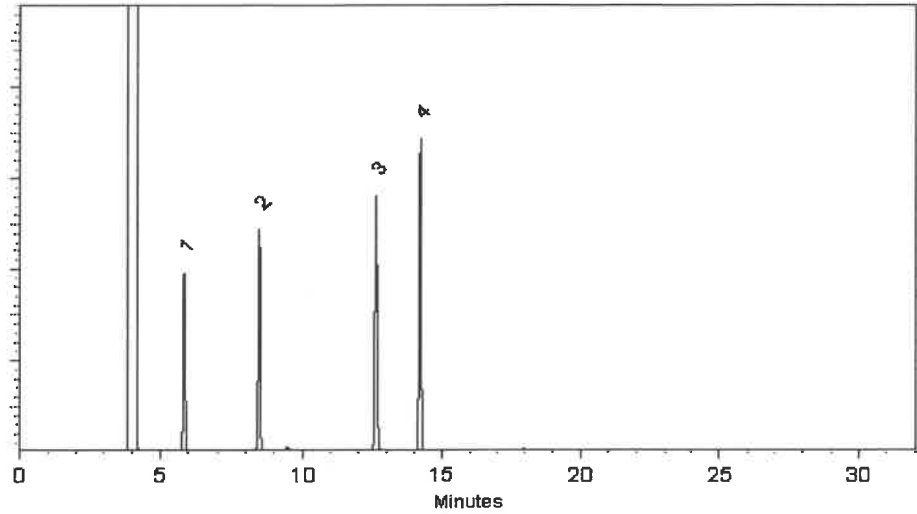
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

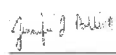


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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:

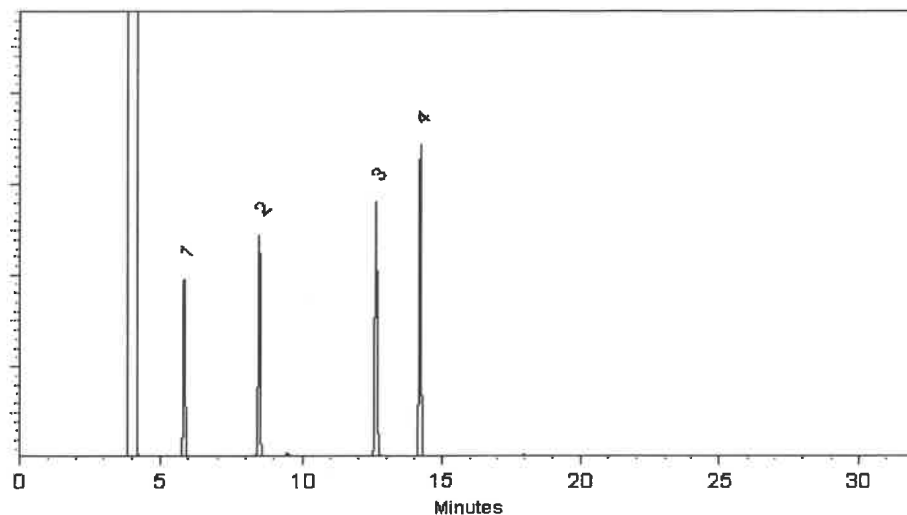
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

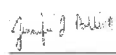


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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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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:

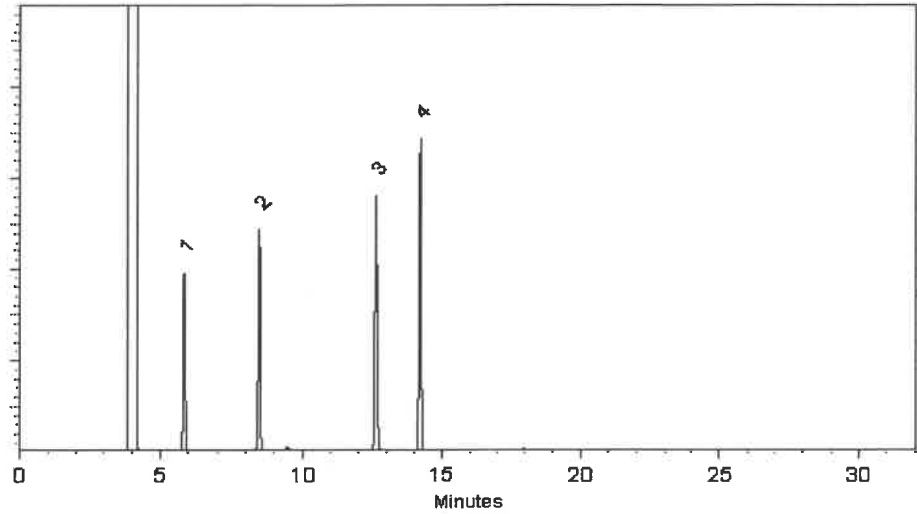
FID

Split Vent:

40 ml/min

Inj. Vol

1µl

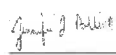


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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. : 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:

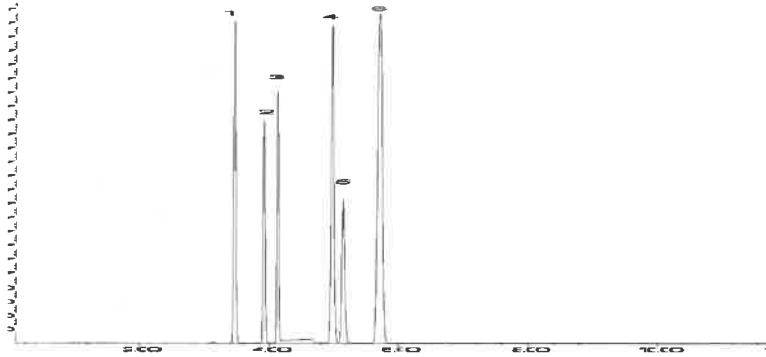
MSD

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:

- 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:

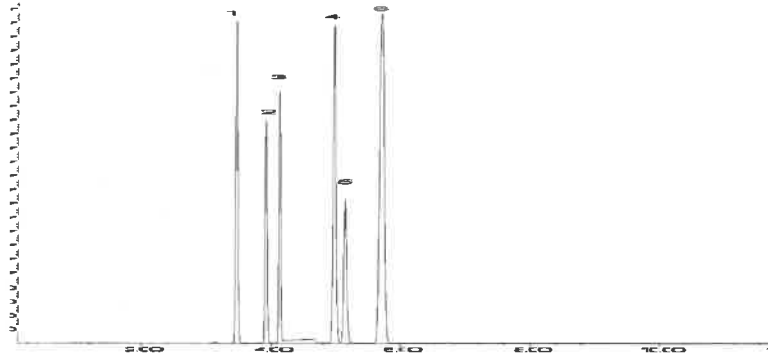
MSD

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.

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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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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
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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:

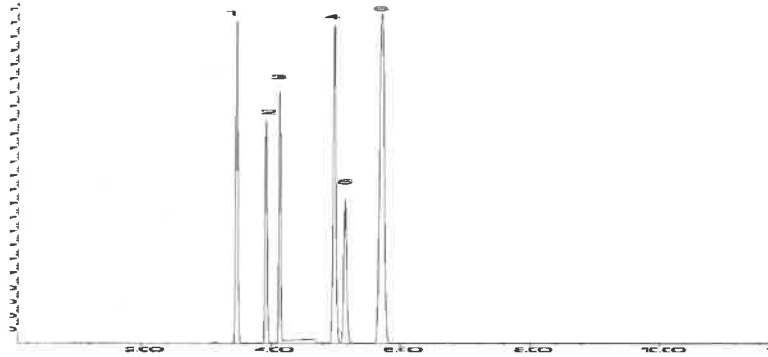
MSD

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.
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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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$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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:

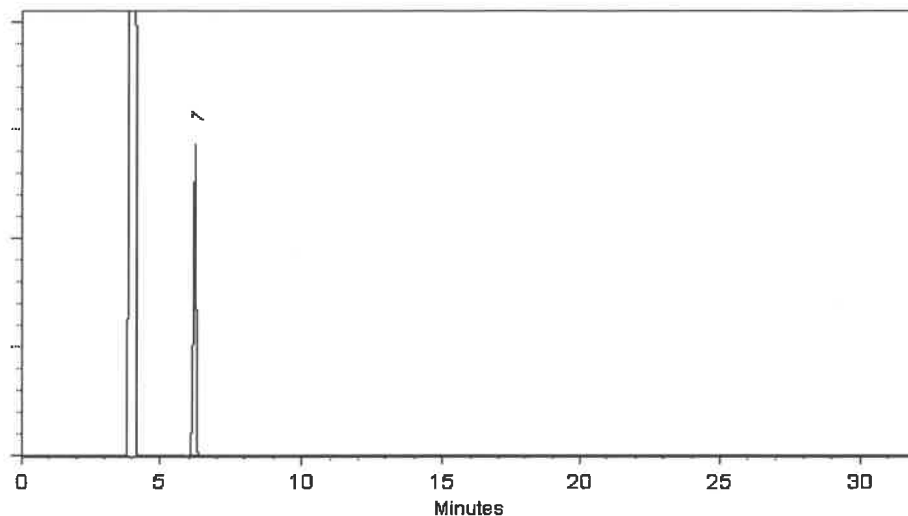
FID

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/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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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:

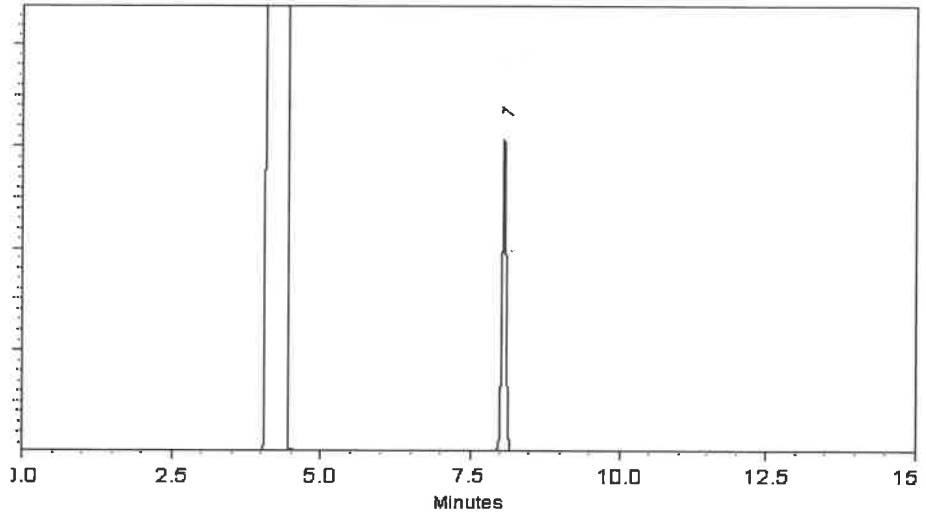
FID

Split Vent:

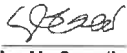
40 ml/min

Inj. Vol

1µl

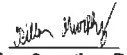


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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:

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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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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:

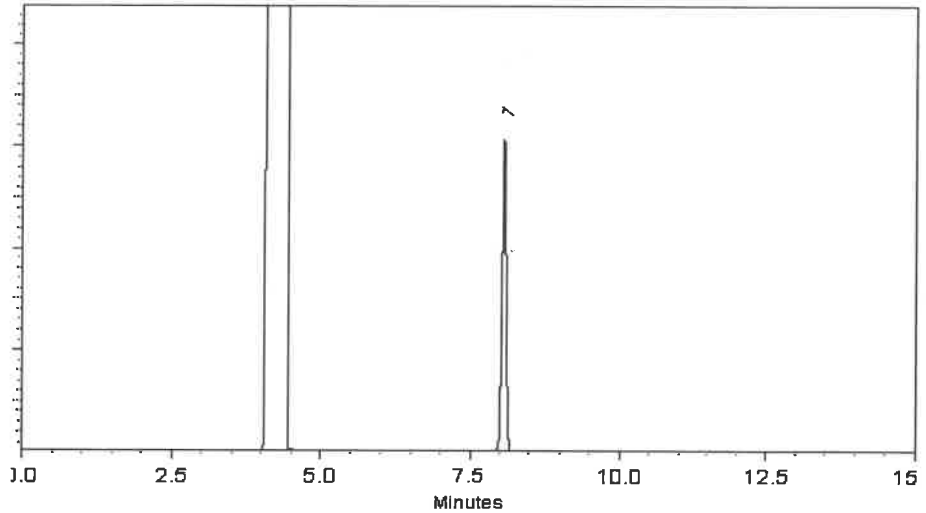
FID

Split Vent:

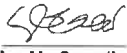
40 ml/min

Inj. Vol

1µl

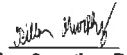


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Ethan Winiarski - Operations Tech I

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:

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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.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

10 vol Rec 01/08/25
CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14793 to 14802



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-FL **Lot No.:** A0220563
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%	8,060.0 µg/mL	+/- 278.5905

* 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.)

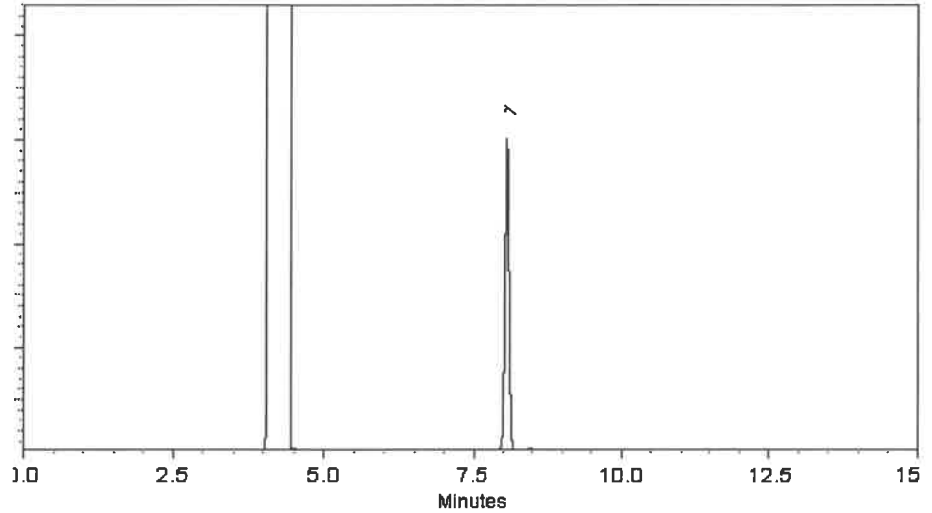
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

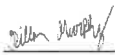
Inj. Vol
1µl



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.


Tom Suckal - Mix Technician

Date Mixed: 30-Dec-2024 Balance Serial # B345965662


Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED
By Jennifer Pothos at 7:11 am, Jan 03, 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

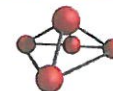
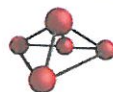
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

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.



CERTIFIED WEIGHT REPORT

Part Number: **70046**
Lot Number: **070122**
Description: **Bromochloromethane**

Solvent: **Methanol**
Lot#: **EC592-US**

<i>Gabriel Helland</i>		070122
Formulated By:	Gabriel Helland	DATE
<i>Pedro L. Rentas</i>		070122
Reviewed By:	Pedro L. Rentas	DATE

Expiration Date: 070127

Recommended Storage: Refrigerate (4 °C)

Nominal Concentration (µg/mL): 1000

NIST Test ID#: 6UTB

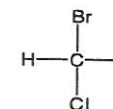
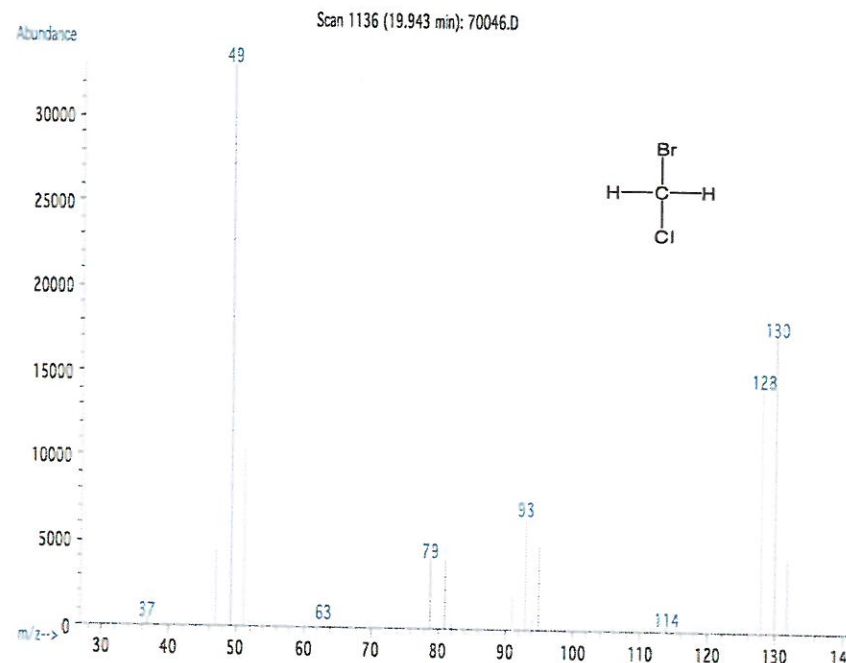
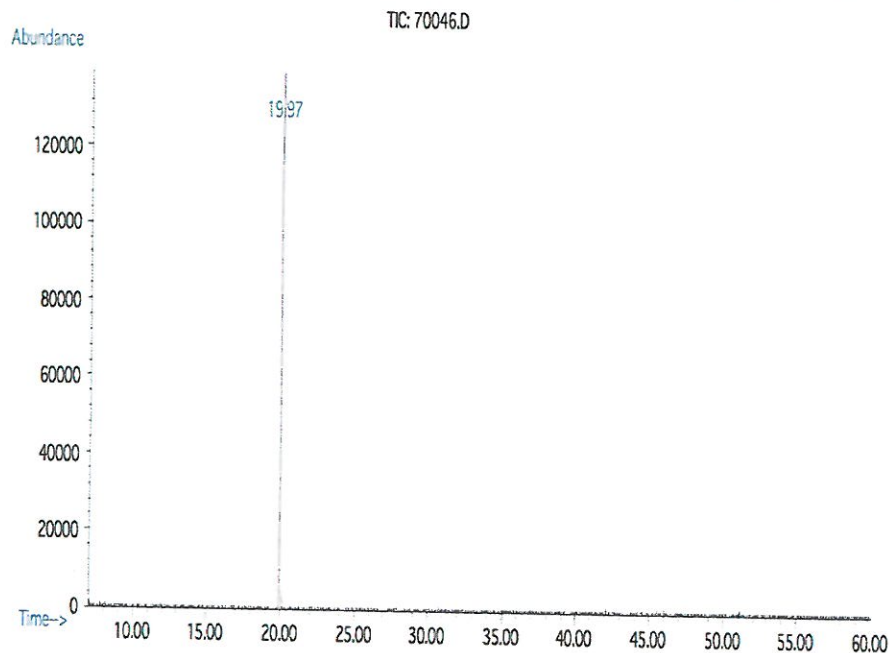
5E-05 Balance Uncertainty

0.0002 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 25.0

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. Bromochloromethane	46	AY01	1000	99	0.2	0.02530	0.02540	1004.1	5.7	74-97-5	200 ppm (1050mg/m ³ /8H)	ori-rat 5000mg/kg

Method GC6MSD-1.M: Column : (60m X 0.25mm X 1.5 µm) Temp 1 = 35°C (10min.), Temp 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector B= 200°C, Detector B = 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).

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
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Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
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500 Series for Drinking Water
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Country of Origin: USA
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Jamie Ethier
Vice President Global Quality



SHIPPING DOCUMENTS

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CHEMTECH CHAIN OF CUSTODY RECORD		284 Sheffield Street, Mountainside, NJ 07092 (908) 789-8900 Fax: (908) 78-8922 www.chemtech.net		Chemtech Project Number: Q1423	
CLIENT INFORMATION		PROJECT INFORMATION		BILLING INFORMATION	
COMPANY: Tetra Tech ADDRESS: 4433 Corporation Lane Suite 300 CITY: Virginia Beach STATE: VA ZIP: 23462 ATTENTION: Ernie Wu PHONE: 757-466-4901 FAX: 757-461-4148		PROJECT NAME: NWIRP Bethpage PROJECT #: 112G08005-WE13 LOCATION: VPB-192 PROJECT MANAGER: Ernie Wu E-MAIL: ernie.wu@tetratech.com PHONE: 757-466-4901 FAX: 757-461-4148		BILL TO: SEE CONTRACT PO# ADDRESS: CITY: STATE: ZIP: ATTENTION: PHONE:	
DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION		ANALYSIS	
FAX: 10 DAYS* HARD COPY: 10 DAYS* EDD: 10 DAYS* * TO BE APPROVED BY CHEMTECH STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS		☐ RESULTS ONLY ☐ USEPA CLP ☐ RESULTS + QC ☐ New York State ASP "B" ☐ New Jersey REDUCED ☐ New York State ASP "A" ☐ New Jersey CLP ☐ Other _____ ☐ EDD Format _____		VOC(SW846-8260B) _____ 1,4 Dioxane (8270 SMI) _____ 1 2 3 4 5 6 7 8 9	
				PRESERVATIVES	
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP GRAB	SAMPLE COLLECTION DATE TIME	# of Bottles
1.	BP-VPB-192-TB-20250220	QA	X	2/20/25 9:00	2
2.	VPB-192-HYD-20250221	AQ	X	2/21/25 14:00	3
3.	BP-VPB-192-EB-20250221	QA	X	2/21/25 9:30	2
4.	BP-VPB-192-GW-925-927	AQ	X	2/20/25 9:35	2
5.					
6.					
7.					
8.					
9.					
10.					

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY					
RELINQUISHED BY SAMPLER 1.	DATE/TIME 2/24/25 1530	RECEIVED BY 1.	Conditions of bottles or coolers at receipt: q Compliant q Non Compliant q Cooler Temp <u>2.3°C</u> MeOH extraction requires an additional 4oz. Jar for percent solid q Ice in Cooler?: _____ Comments: Standard TAT		
RELINQUISHED BY 2.	DATE/TIME 2/24/25 1828	RECEIVED BY 2.			
RELINQUISHED BY 3.	DATE/TIME 2-24-25	RECEIVED FOR LAB BY 3.	Page <u>1</u> of <u>1</u>	SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight CHEMTECH: ☐ Picked Up ☐ Overnight	Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT
 YELLOW - CHEMTECH COPY
 PINK - SAMPLER COPY

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-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

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LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1423 TETR06

Order Date : 2/25/2025 10:55:00 AM

Project Mgr :

Client Name : Tetra Tech NUS, Inc.

Project Name : CTO WE13

Report Type : Level 4

Client Contact : Ernie Wu

Receive DateTime : 2/24/2025 6:28:00 PM

EDD Type : ADAPT

Invoice Name : Tetra Tech NUS, Inc.

Purchase Order :

Hard Copy Date :

Invoice Contact : Ernie Wu

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1423-01	BP-VPB-192-TB-20250220	Water	02/20/2025	09:00					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1423-02	VPB-192-HYD-20250221	Water	02/21/2025	14:00					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1423-03	BP-VPB-192-EB-20250221	Water	02/21/2025	09:30					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q1423-04	BP-VPB-192-GW-925-927	Water	02/20/2025	09:35					
					VOCMS Group1		8260-Low	10 Bus. Days	

Relinquished By :

Date / Time :

Received By :

Date / Time :

Storage Area : VOA Refridgerator Room

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\X021025\
 Data File : VX044868.D
 Acq On : 10 Feb 2025 10:25
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Quant Time: Feb 11 01:58:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	134134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	254149	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	218570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	90733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	2473	1.259	ug/l	0.01
Spiked Amount	50.000	Range	74 - 125	Recovery	=	2.520%#
35) Dibromofluoromethane	5.379	113	2013	1.218	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	2.440%#
50) Toluene-d8	8.653	98	6195	0.991	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	1.980%#
62) 4-Bromofluorobenzene	11.085	95	1950	0.926	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	1.860%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.160	85	1655	0.880	ug/l	100
3) Chloromethane	1.307	50	2571	1.123	ug/l	94
4) Vinyl Chloride	1.374	62	2252	1.015	ug/l	96
5) Bromomethane	1.593	94	727	1.095	ug/l	91
6) Chloroethane	1.666	64	1341	2.609	ug/l	91
7) Trichlorofluoromethane	1.874	101	2849	1.016	ug/l	88
8) Diethyl Ether	2.130	74	1032	1.014	ug/l #	37
9) 1,1,2-Trichlorotrifluo...	2.325	101	1564	0.923	ug/l #	88
10) Methyl Iodide	2.447	142	1869	0.851	ug/l	99
11) Tert butyl alcohol	2.953	59	3020	8.291	ug/l #	78
12) 1,1-Dichloroethene	2.307	96	1737	1.005	ug/l	85
13) Acrolein	2.239	56	2228	5.928	ug/l	100
14) Allyl chloride	2.654	41	3164	1.013	ug/l	90
15) Acrylonitrile	3.069	53	4527	4.655	ug/l	95
16) Acetone	2.380	43	4095	5.188	ug/l	92
17) Carbon Disulfide	2.502	76	4531	0.956	ug/l #	88
18) Methyl Acetate	2.697	43	2367	0.950	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	5206	0.946	ug/l #	87
20) Methylene Chloride	2.782	84	2005	1.037	ug/l #	90
21) trans-1,2-Dichloroethene	3.087	96	1631	0.959	ug/l	96
22) Diisopropyl ether	3.764	45	5496	0.930	ug/l #	75
23) Vinyl Acetate	3.727	43	20663	4.288	ug/l	99
24) 1,1-Dichloroethane	3.605	63	3099	0.937	ug/l #	93
25) 2-Butanone	4.587	43	5660	4.416	ug/l	93
26) 2,2-Dichloropropane	4.471	77	2566	0.978	ug/l	76
27) cis-1,2-Dichloroethene	4.489	96	1825	0.893	ug/l	91
28) Bromochloromethane	4.910	49	1702	1.071	ug/l #	75
29) Tetrahydrofuran	5.026	42	4014	4.716	ug/l	99
30) Chloroform	5.093	83	3132	0.976	ug/l	94
31) Cyclohexane	5.458	56	2960	0.971	ug/l #	80
32) 1,1,1-Trichloroethane	5.379	97	2721	1.000	ug/l #	50
36) 1,1-Dichloropropene	5.684	75	2399	1.006	ug/l	94
37) Ethyl Acetate	4.721	43	1004	0.379	ug/l #	72
38) Carbon Tetrachloride	5.666	117	2322	0.994	ug/l #	74
39) Methylcyclohexane	7.379	83	2589	0.840	ug/l	96
40) Benzene	6.038	78	6963	0.935	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044868.D
 Acq On : 10 Feb 2025 10:25
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Quant Time: Feb 11 01:58:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	621	0.438	ug/l #	29
42) 1,2-Dichloroethane	6.099	62	2120	0.894	ug/l	84
43) Isopropyl Acetate	6.355	43	3839	0.897	ug/l #	88
44) Trichloroethene	7.135	130	1487	0.874	ug/l	76
45) 1,2-Dichloropropane	7.440	63	1746	0.943	ug/l #	86
46) Dibromomethane	7.592	93	1202	0.936	ug/l	95
47) Bromodichloromethane	7.818	83	2176	0.875	ug/l	93
48) Methyl methacrylate	7.720	41	1675	0.830	ug/l	92
49) 1,4-Dioxane	7.696	88	867	20.015	ug/l #	85
51) 4-Methyl-2-Pentanone	8.574	43	11169	4.290	ug/l	96
52) Toluene	8.714	92	3943	0.889	ug/l	100
53) t-1,3-Dichloropropene	8.994	75	2119	0.842	ug/l	90
54) cis-1,3-Dichloropropene	8.366	75	2300	0.820	ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	1558	0.914	ug/l #	86
56) Ethyl methacrylate	9.128	69	2346	0.852	ug/l #	84
57) 1,3-Dichloropropane	9.311	76	2699	0.905	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.251	63	5401	3.996	ug/l	97
59) 2-Hexanone	9.439	43	7952	4.240	ug/l	95
60) Dibromochloromethane	9.525	129	1613	0.885	ug/l	96
61) 1,2-Dibromoethane	9.610	107	1534	0.888	ug/l	97
64) Tetrachloroethene	9.275	164	1339	0.971	ug/l	91
65) Chlorobenzene	10.080	112	4234	0.902	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.165	131	1320	0.874	ug/l #	64
67) Ethyl Benzene	10.195	91	7388	0.892	ug/l	98
68) m/p-Xylenes	10.299	106	5387	1.763	ug/l	100
69) o-Xylene	10.640	106	2889	0.942	ug/l	97
70) Styrene	10.659	104	3974	0.804	ug/l	97
71) Bromoform	10.799	173	813	0.721	ug/l #	95
73) Isopropylbenzene	10.964	105	6778	0.928	ug/l	99
74) N-amyl acetate	10.848	43	2596	0.785	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.207	83	2594	1.033	ug/l	94
76) 1,2,3-Trichloropropane	11.238	75	2567	1.276	ug/l	82
77) Bromobenzene	11.201	156	1537	0.928	ug/l	90
78) n-propylbenzene	11.305	91	7347	0.871	ug/l	98
79) 2-Chlorotoluene	11.366	91	5188	1.001	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	5410	0.913	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.024	75	587	0.751	ug/l #	79
82) 4-Chlorotoluene	11.457	91	5367	0.936	ug/l	99
83) tert-Butylbenzene	11.713	119	5620	0.937	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	4876	0.833	ug/l	88
85) sec-Butylbenzene	11.890	105	6700	0.902	ug/l	99
86) p-Isopropyltoluene	12.006	119	5161	0.864	ug/l	90
87) 1,3-Dichlorobenzene	11.969	146	2933	0.963	ug/l	97
88) 1,4-Dichlorobenzene	11.969	146	2933	0.952	ug/l	99
89) n-Butylbenzene	12.335	91	3880	0.734	ug/l	93
90) Hexachloroethane	12.536	117	968	0.866	ug/l	98
91) 1,2-Dichlorobenzene	12.341	146	2744	0.917	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	367	0.801	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	1560	0.861	ug/l	86
94) Hexachlorobutadiene	13.725	225	695	0.966	ug/l	99
95) Naphthalene	13.780	128	5125	0.783	ug/l	99
96) 1,2,3-Trichlorobenzene	13.969	180	1557	0.853	ug/l	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044868.D
Acq On : 10 Feb 2025 10:25
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: Feb 11 01:58:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

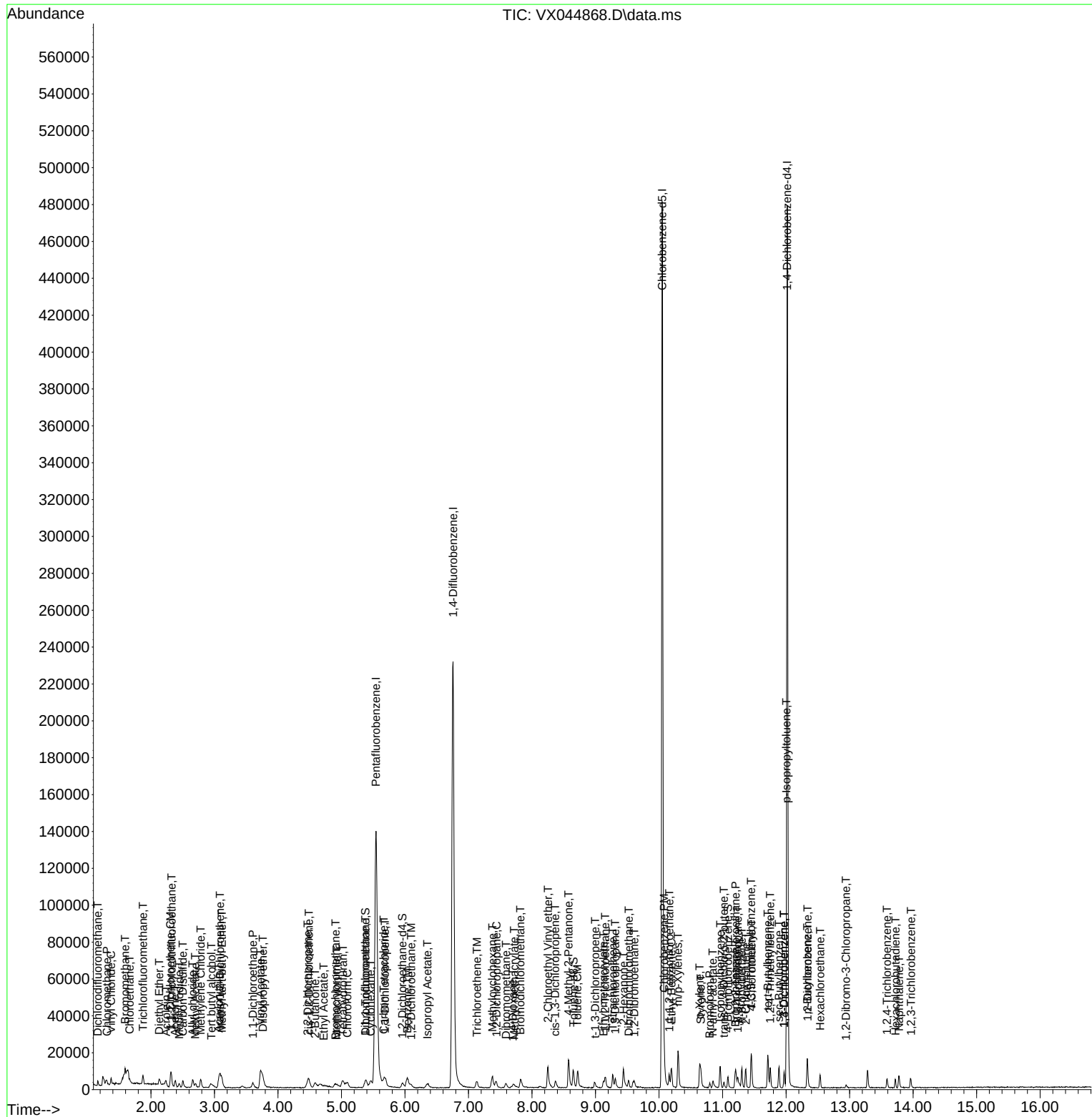
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

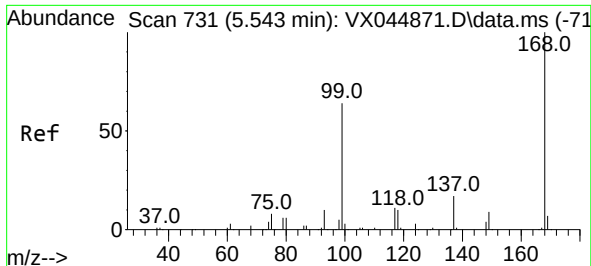
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044868.D
Acq On : 10 Feb 2025 10:25
Operator : JC/MD
Sample : VSTDIC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Quant Time: Feb 11 01:58:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

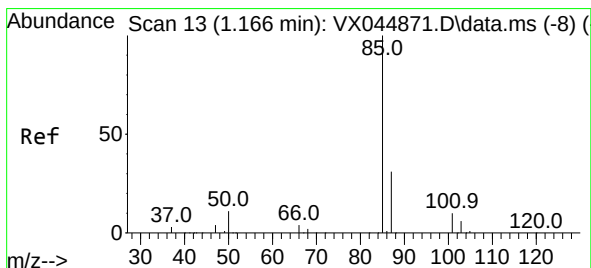
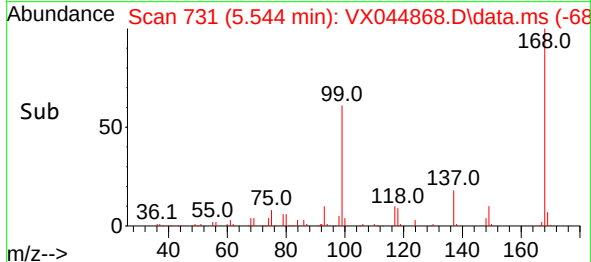
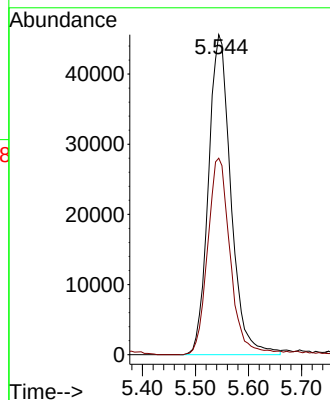
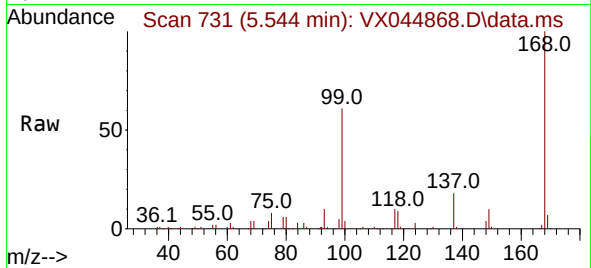




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

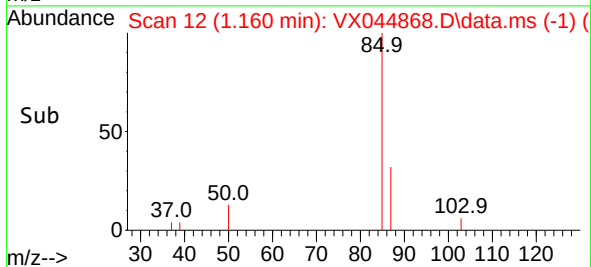
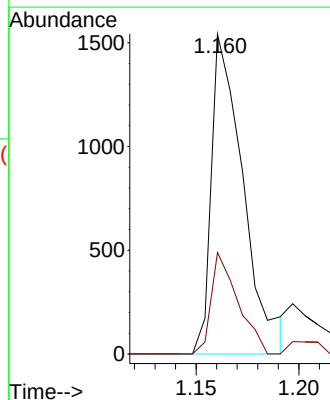
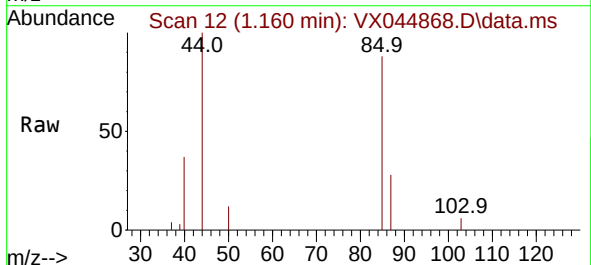
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

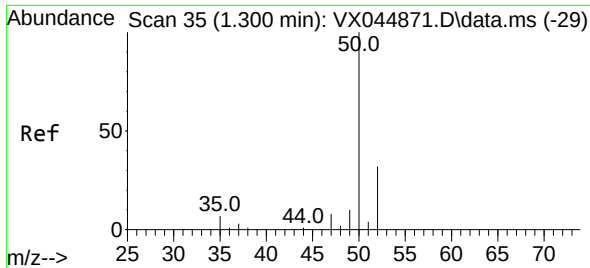
Tgt Ion:168 Resp: 134134
Ion Ratio Lower Upper
168 100
99 61.4 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 0.880 ug/l
RT: 1.160 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 85 Resp: 1655
Ion Ratio Lower Upper
85 100
87 31.7 15.8 47.3

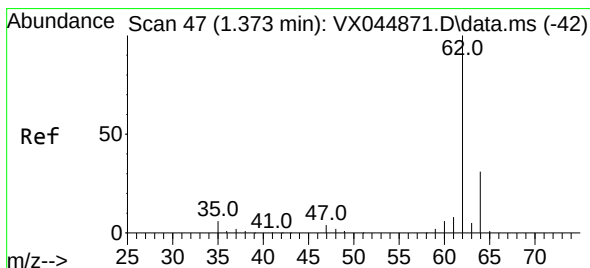
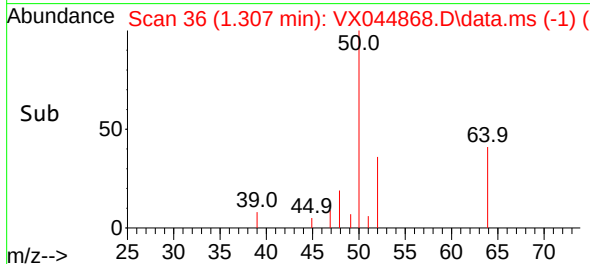
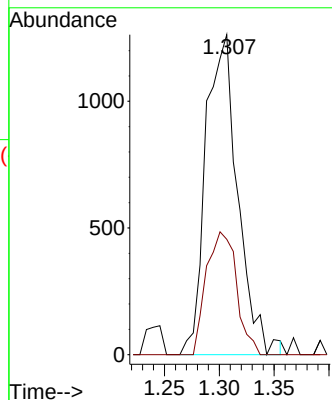
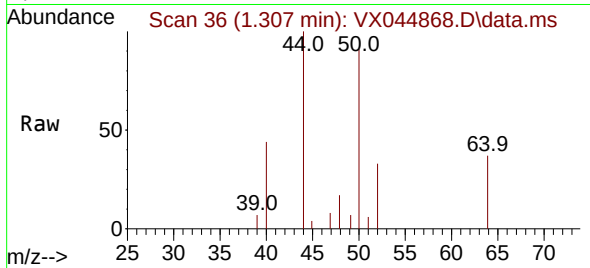




#3
Chloromethane
Concen: 1.123 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

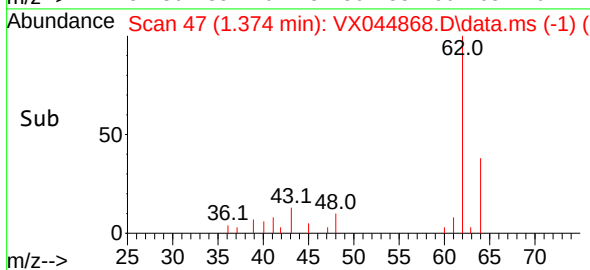
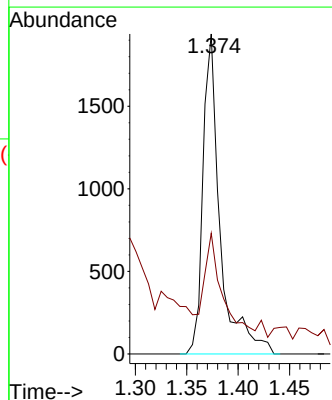
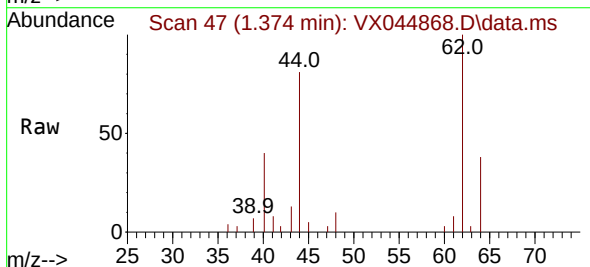
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

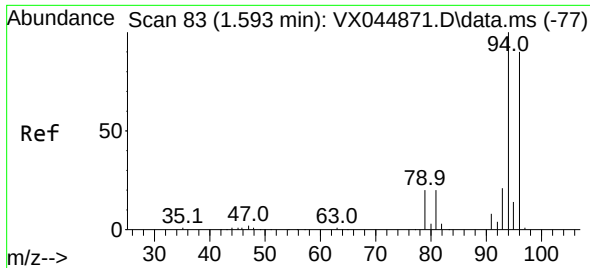
Tgt Ion: 50 Resp: 2571
Ion Ratio Lower Upper
50 100
52 36.0 25.9 38.9



#4
Vinyl Chloride
Concen: 1.015 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 62 Resp: 2252
Ion Ratio Lower Upper
62 100
64 29.4 25.4 38.0

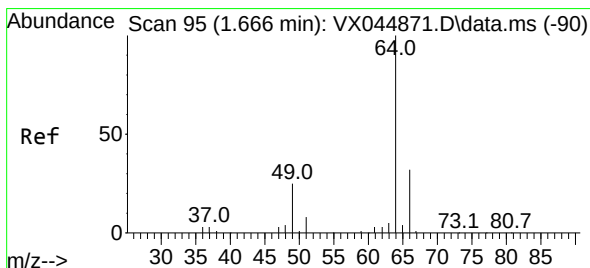
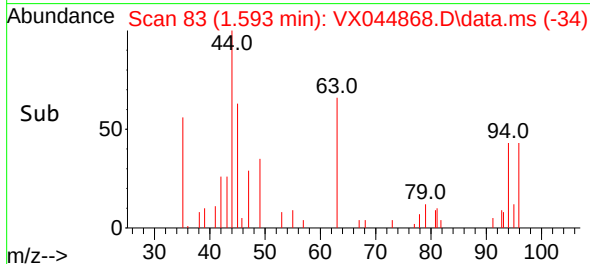
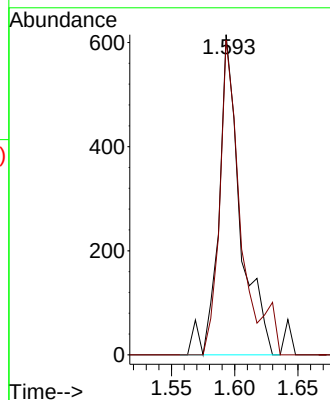
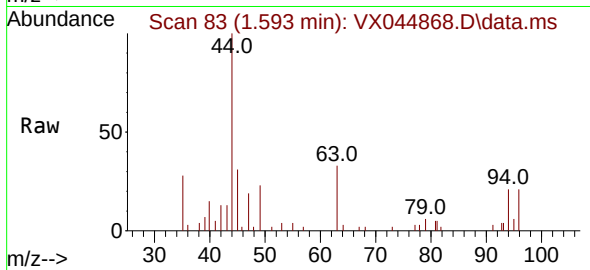




#5
Bromomethane
Concen: 1.095 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

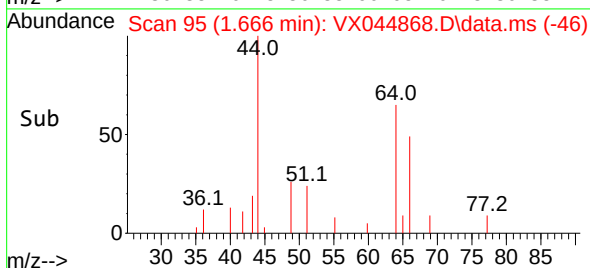
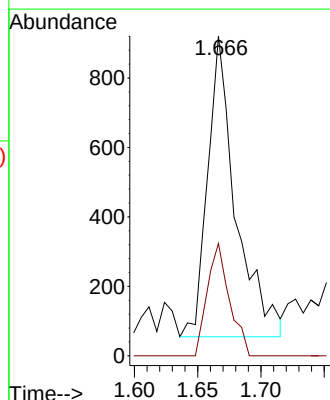
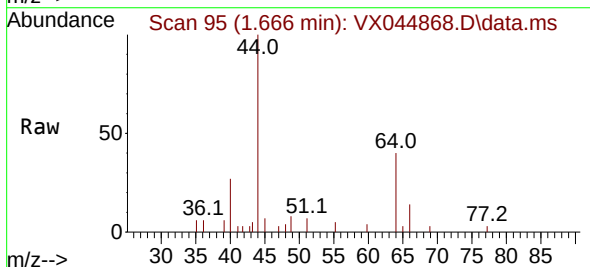
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

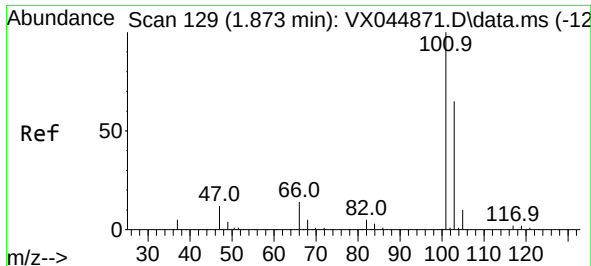
Tgt Ion: 94 Resp: 727
Ion Ratio Lower Upper
94 100
96 98.4 71.6 107.4



#6
Chloroethane
Concen: 2.609 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 64 Resp: 1341
Ion Ratio Lower Upper
64 100
66 37.4 25.9 38.9

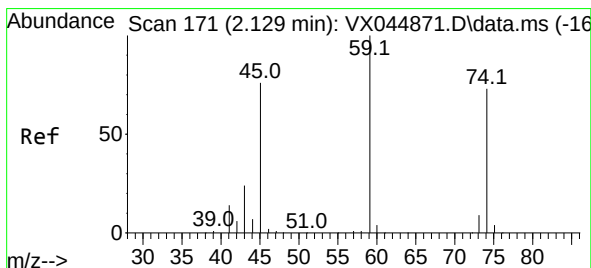
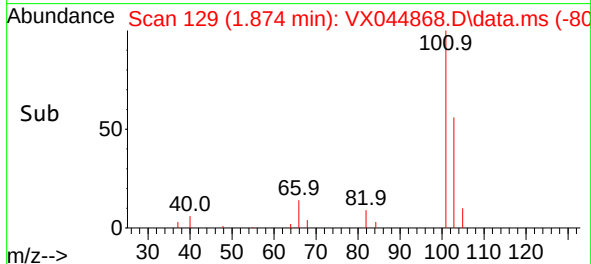
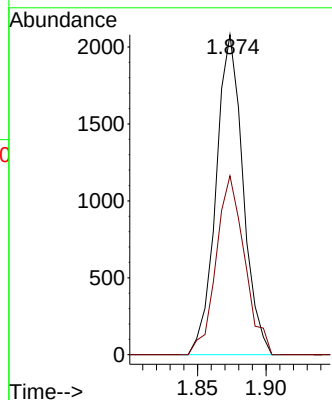
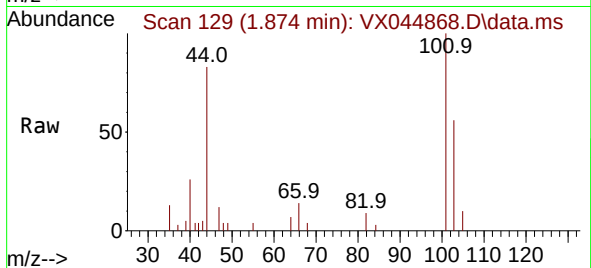




#7
Trichlorofluoromethane
Concen: 1.016 ug/l
RT: 1.874 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

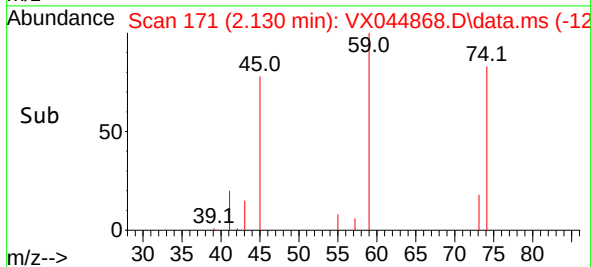
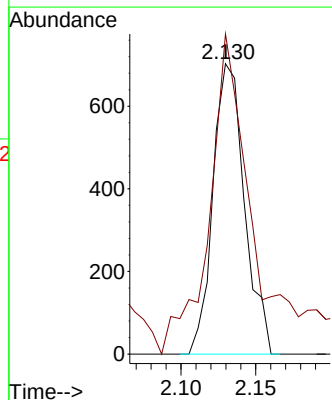
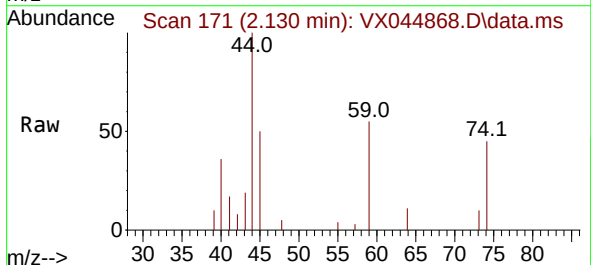
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

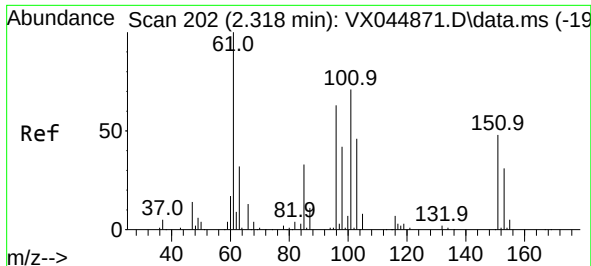
Tgt Ion:101 Resp: 2849
Ion Ratio Lower Upper
101 100
103 55.9 52.4 78.6



#8
Diethyl Ether
Concen: 1.014 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 74 Resp: 1032
Ion Ratio Lower Upper
74 100
45 166.1 51.1 153.4#

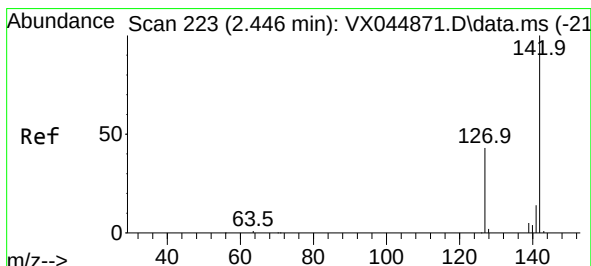
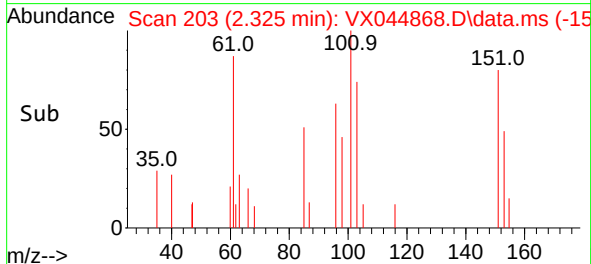
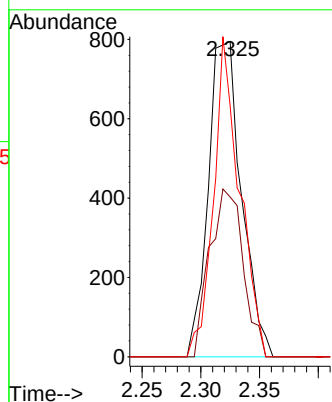
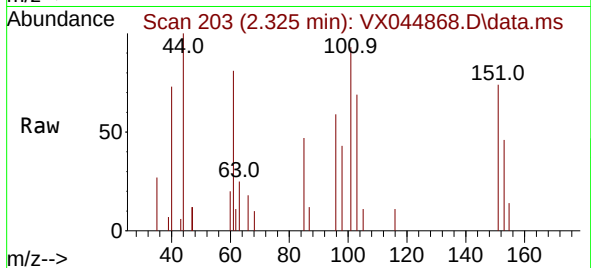




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.923 ug/l
RT: 2.325 min Scan# 202
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

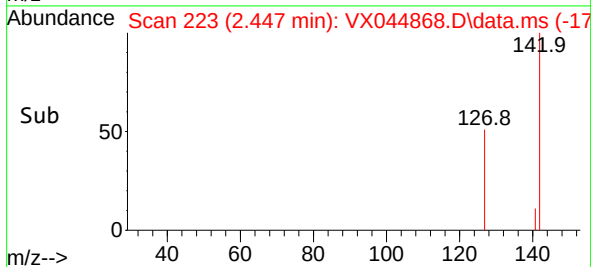
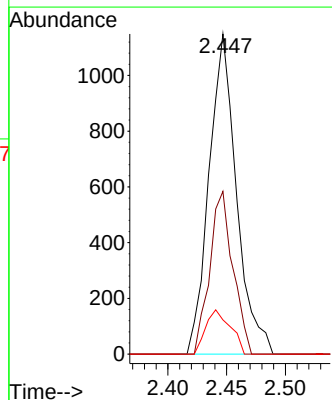
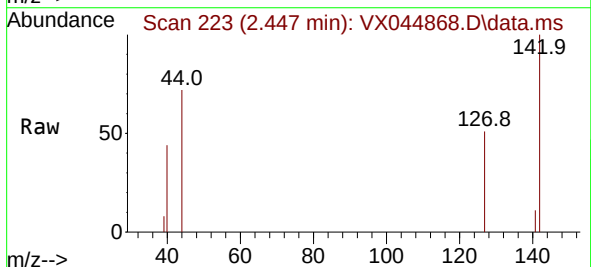
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

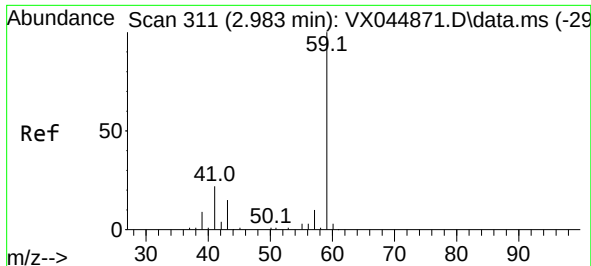
Tgt Ion:101 Resp: 1564
Ion Ratio Lower Upper
101 100
85 53.6 35.7 53.5#
151 79.3 56.0 84.0



#10
Methyl Iodide
Concen: 0.851 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:142 Resp: 1869
Ion Ratio Lower Upper
142 100
127 42.9 34.3 51.5
141 12.4 11.4 17.2

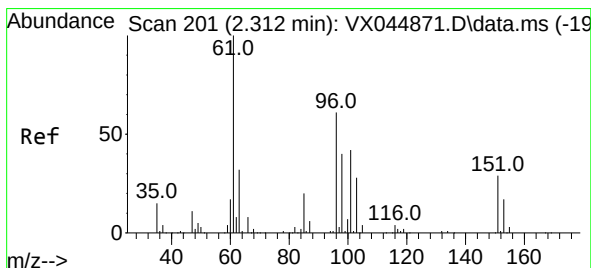
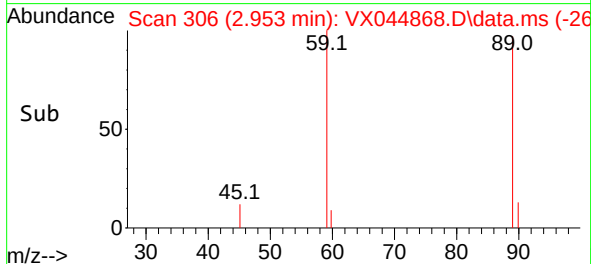
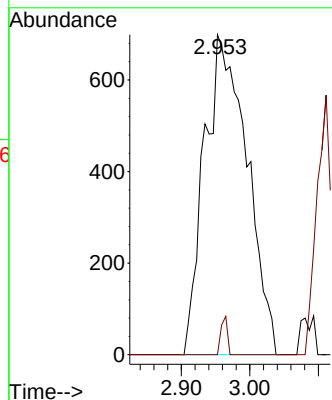
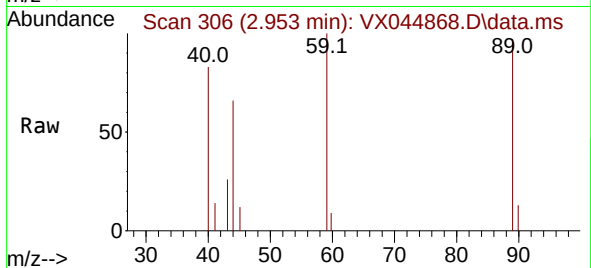




#11
Tert butyl alcohol
Concen: 8.291 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

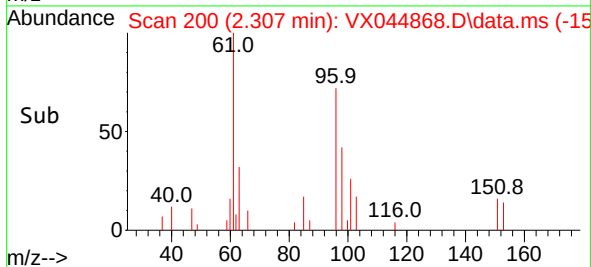
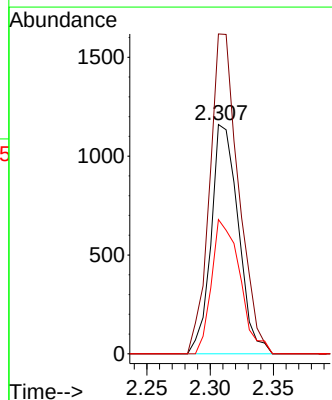
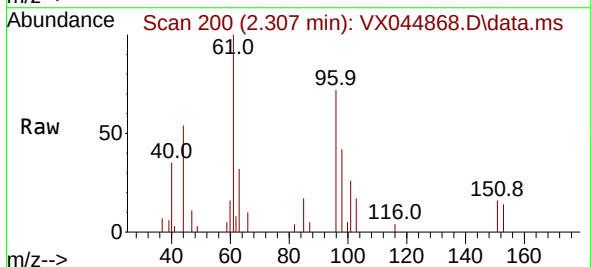
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

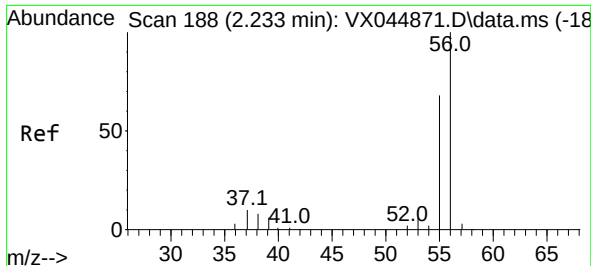
Tgt Ion: 59 Resp: 3020
Ion Ratio Lower Upper
59 100
57 1.8 8.1 12.1#



#12
1,1-Dichloroethene
Concen: 1.005 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 96 Resp: 1737
Ion Ratio Lower Upper
96 100
61 139.5 130.2 195.4
98 58.5 52.2 78.4

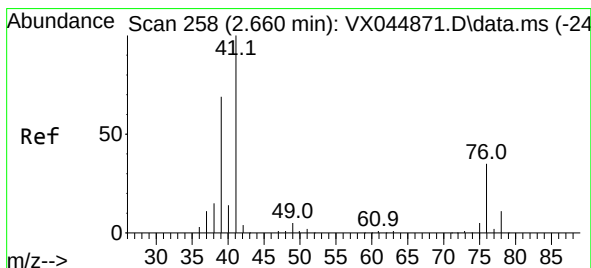
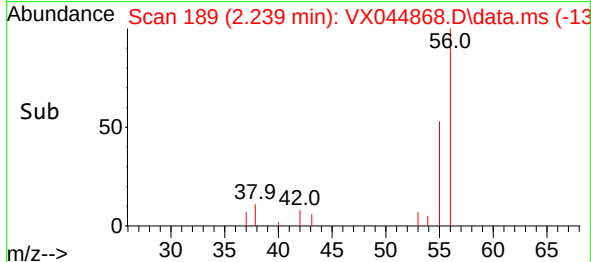
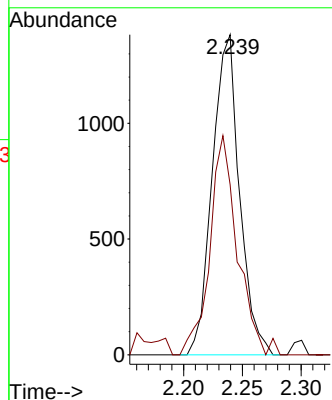
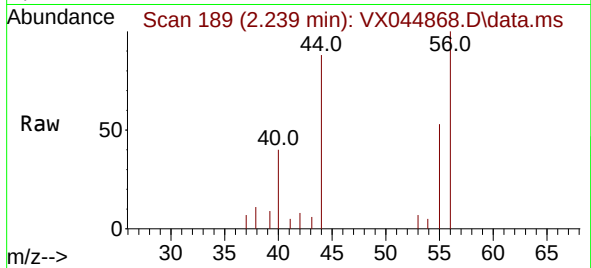




#13
Acrolein
Concen: 5.928 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

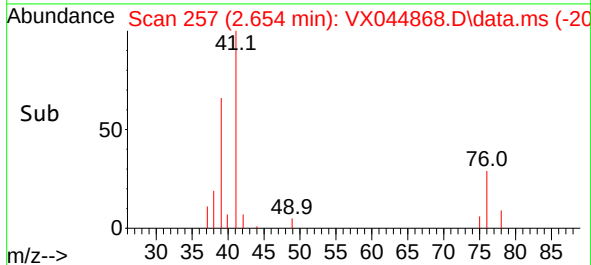
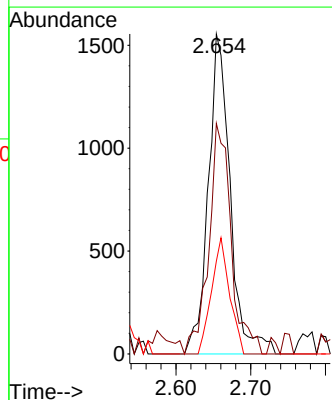
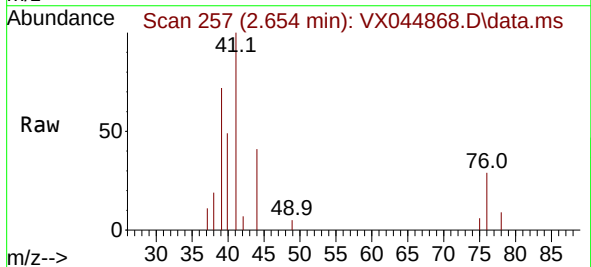
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

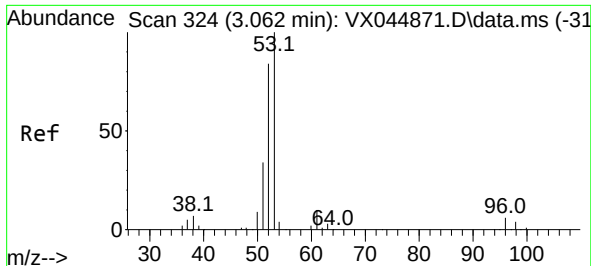
Tgt Ion: 56 Resp: 2228
Ion Ratio Lower Upper
56 100
55 69.5 55.7 83.5



#14
Allyl chloride
Concen: 1.013 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 41 Resp: 3164
Ion Ratio Lower Upper
41 100
39 73.5 51.4 77.2
76 29.9 27.0 40.4

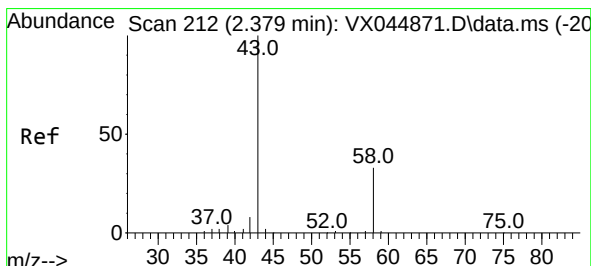
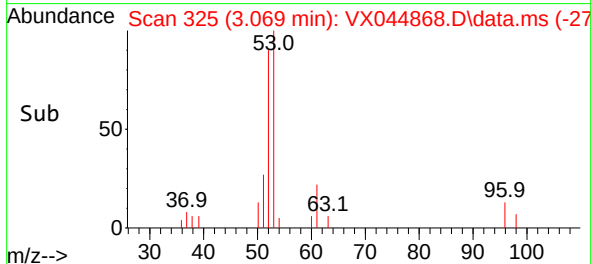
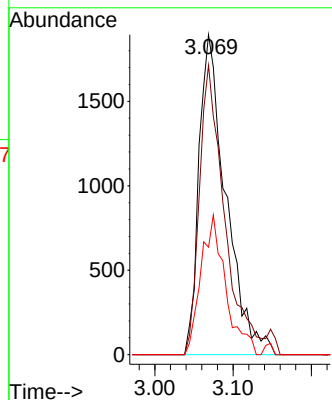
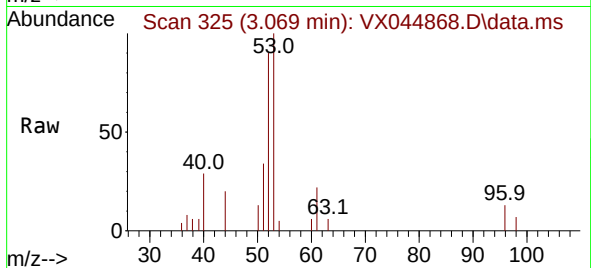




#15
Acrylonitrile
Concen: 4.655 ug/l
RT: 3.069 min Scan# 31
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

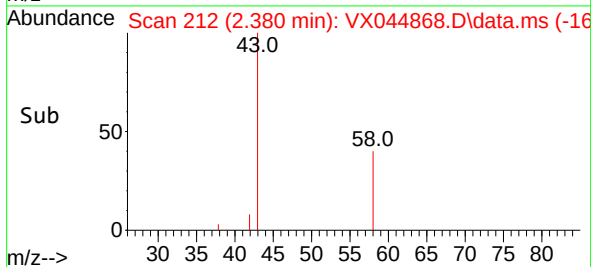
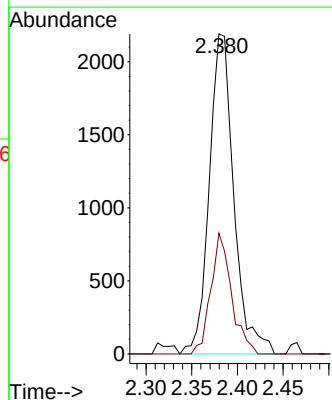
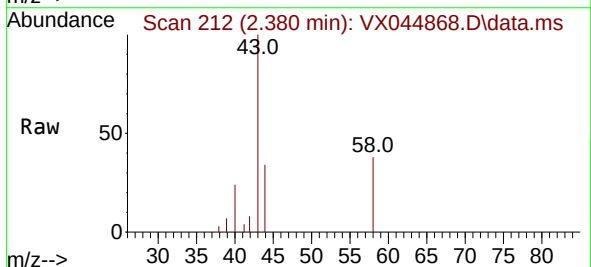
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

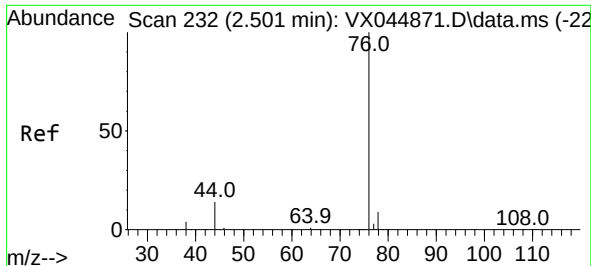
Tgt Ion:	53	Resp:	4527
Ion	Ratio	Lower	Upper
53	100		
52	84.7	65.0	97.6
51	40.0	28.0	42.0



#16
Acetone
Concen: 5.188 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:	43	Resp:	4095
Ion	Ratio	Lower	Upper
43	100		
58	37.8	26.5	39.7

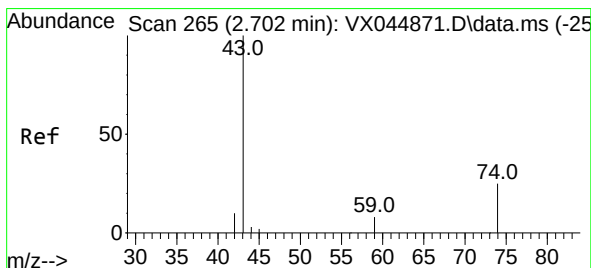
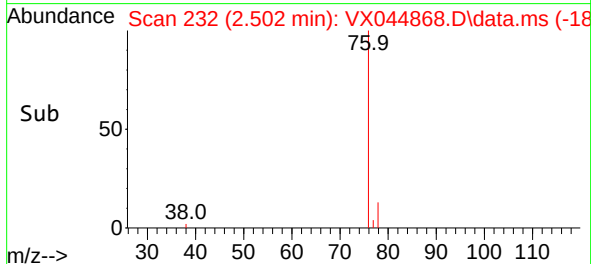
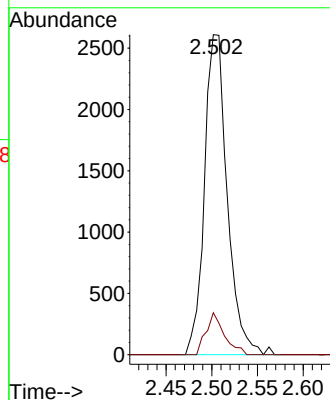
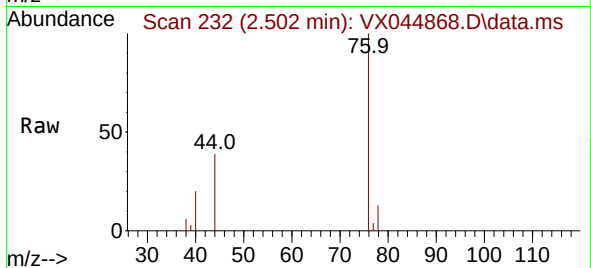




#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

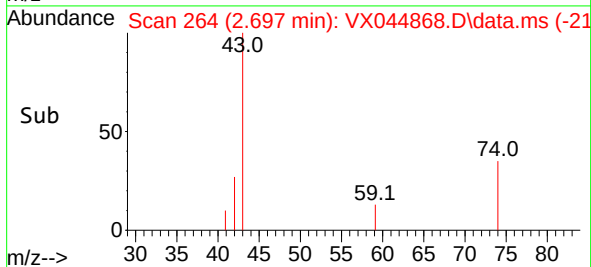
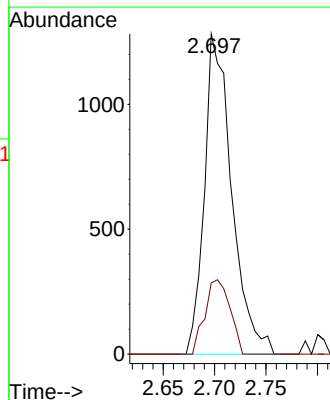
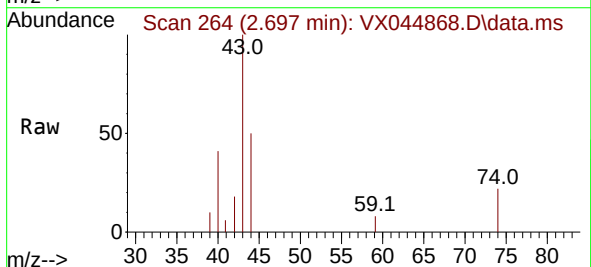
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

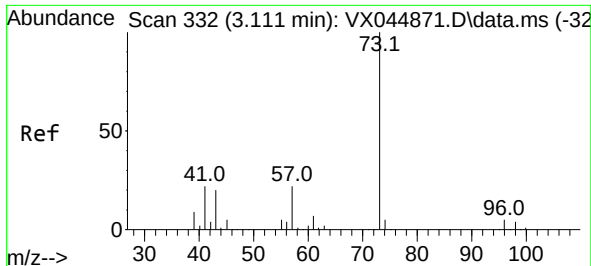
Tgt Ion: 76 Resp: 4531
Ion Ratio Lower Upper
76 100
78 13.1 7.0 10.4#



#18
Methyl Acetate
Concen: 0.950 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 43 Resp: 2367
Ion Ratio Lower Upper
43 100
74 21.3 18.9 28.3

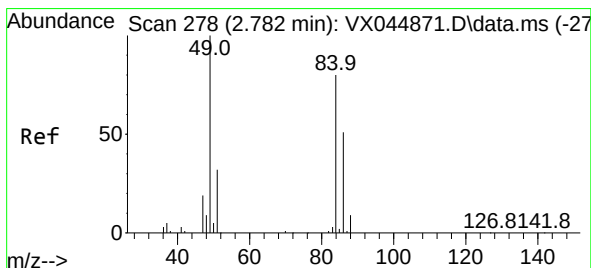
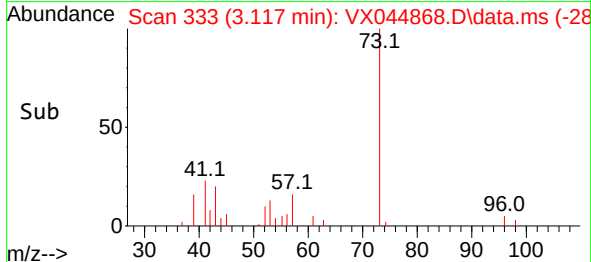
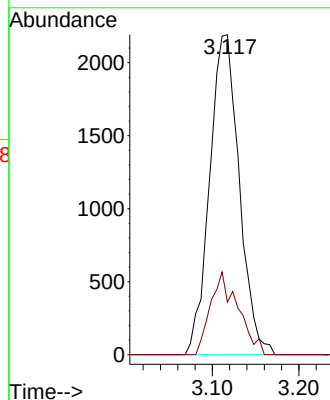
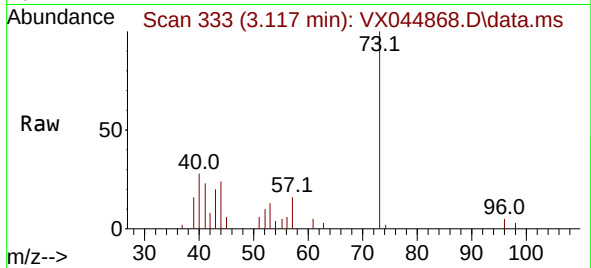




#19
Methyl tert-butyl Ether
Concen: 0.946 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

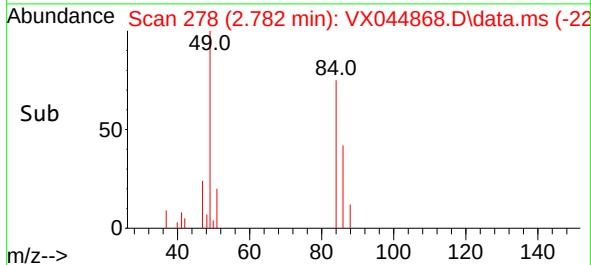
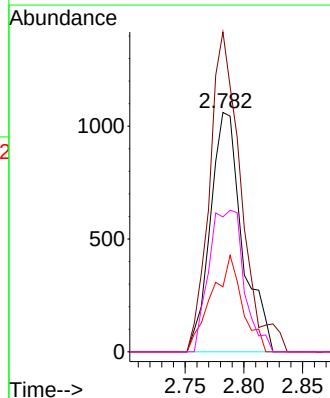
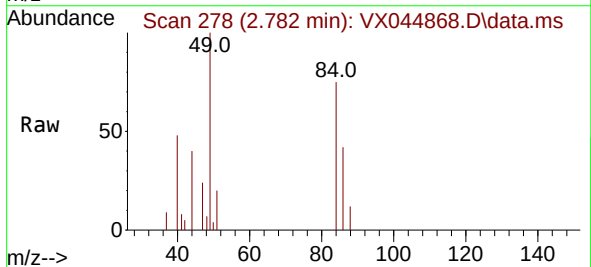
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

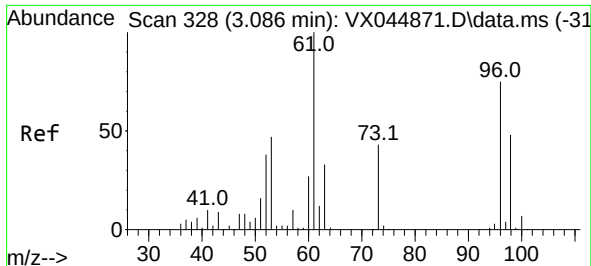
Tgt Ion: 73 Resp: 5206
Ion Ratio Lower Upper
73 100
57 16.4 17.9 26.9#



#20
Methylene Chloride
Concen: 1.037 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 84 Resp: 2005
Ion Ratio Lower Upper
84 100
49 133.6 100.1 150.1
51 27.1 31.7 47.5#
86 56.4 50.8 76.2

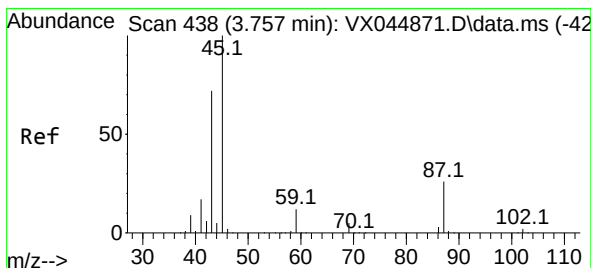
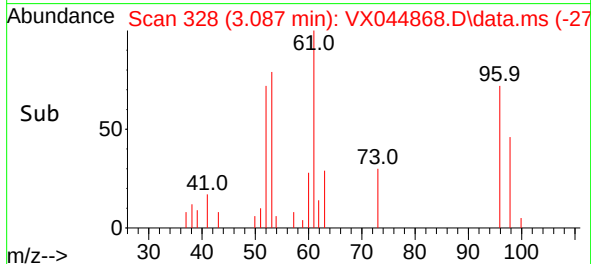
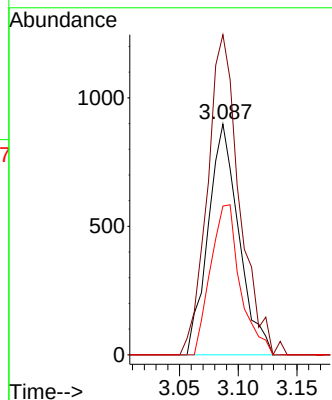
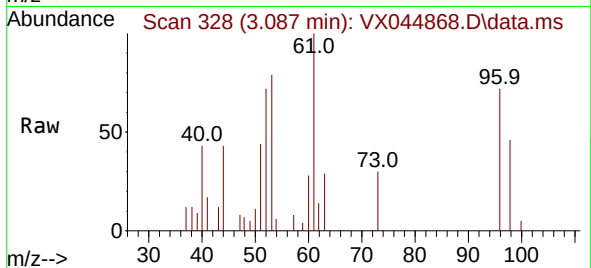




#21
trans-1,2-Dichloroethene
Concen: 0.959 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

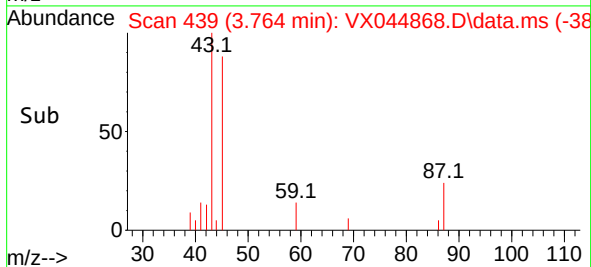
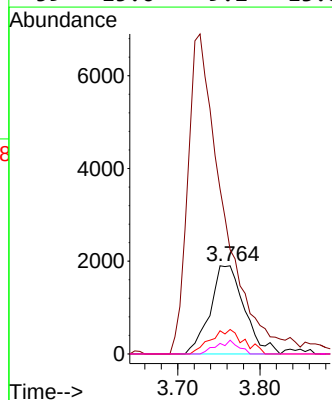
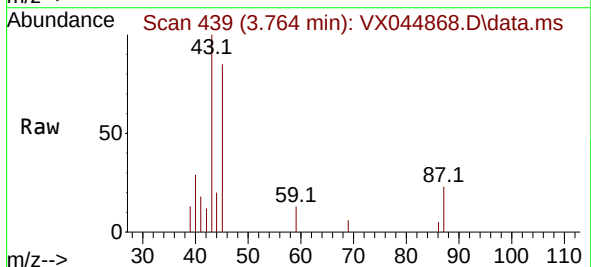
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

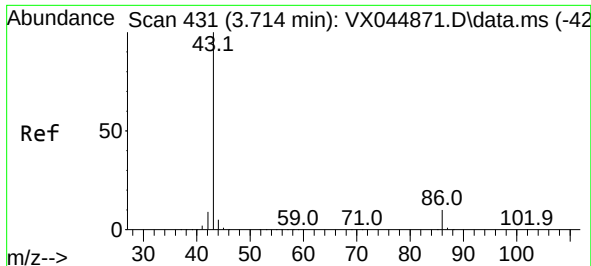
Tgt Ion: 96 Resp: 1631
Ion Ratio Lower Upper
96 100
61 138.8 106.0 159.0
98 64.5 50.6 76.0



#22
Diisopropyl ether
Concen: 0.930 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 45 Resp: 5496
Ion Ratio Lower Upper
45 100
43 101.2 58.0 87.0#
87 27.8 20.7 31.1
59 15.6 9.2 13.8#

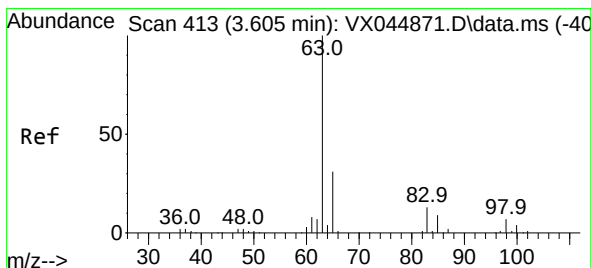
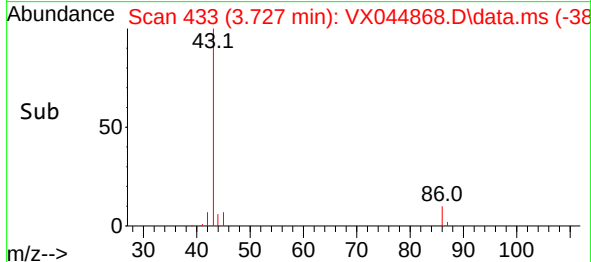
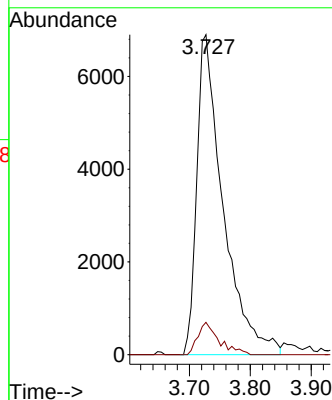
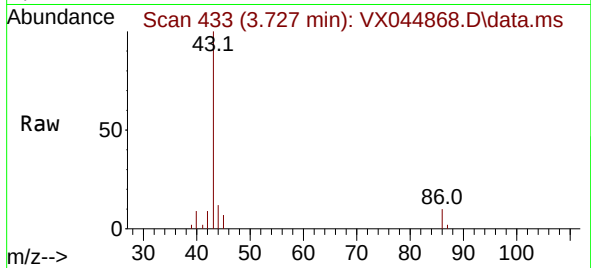




#23
 Vinyl Acetate
 Concen: 4.288 ug/l
 RT: 3.727 min Scan# 413
 Delta R.T. 0.013 min
 Lab File: VX044868.D
 Acq: 10 Feb 2025 10:25

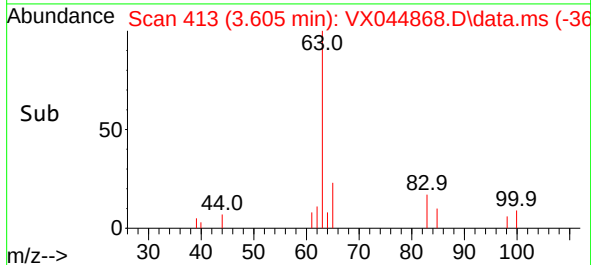
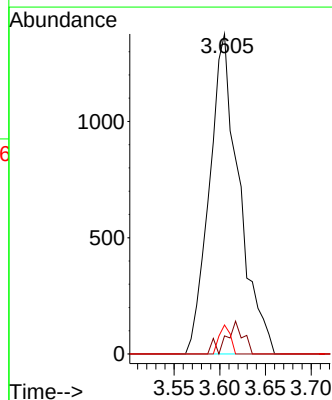
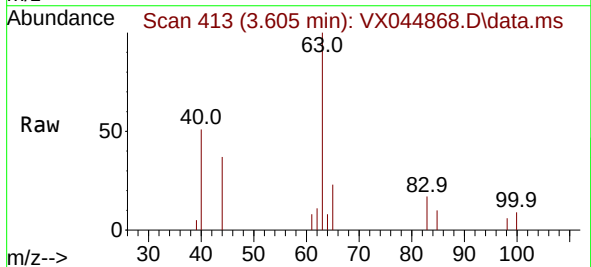
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

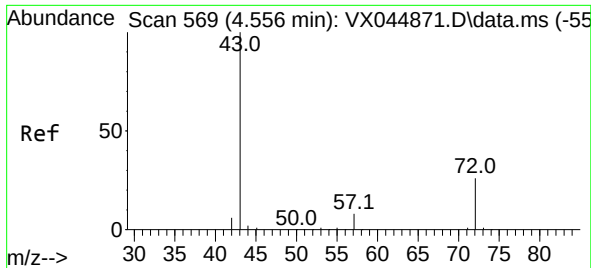
Tgt Ion: 43 Resp: 20663
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 0.937 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX044868.D
 Acq: 10 Feb 2025 10:25

Tgt Ion: 63 Resp: 3099
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.3 9.9
 100 9.1 2.1 6.5#

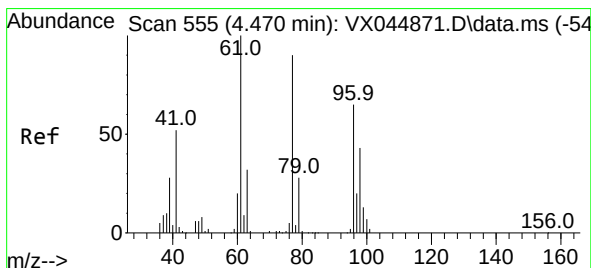
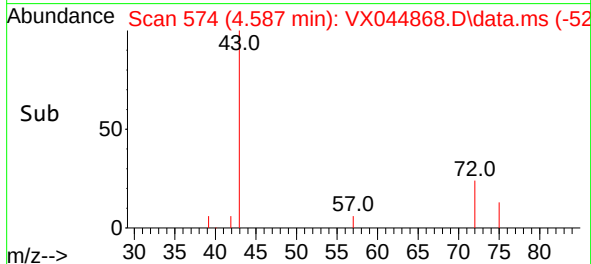
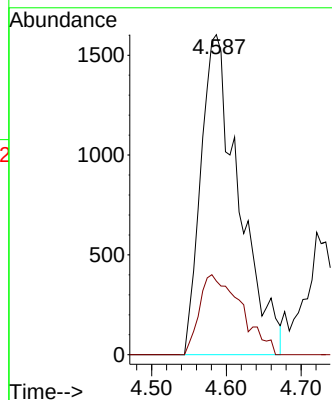
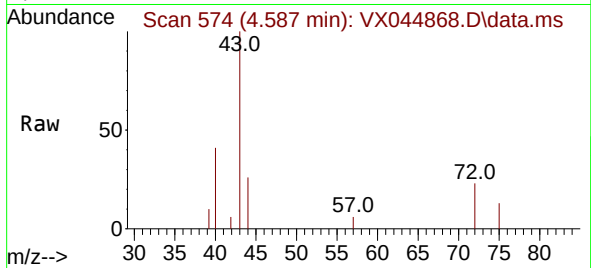




#25
2-Butanone
Concen: 4.416 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

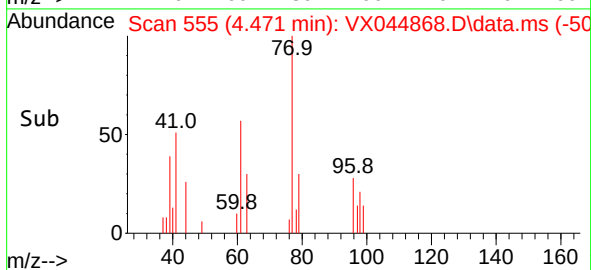
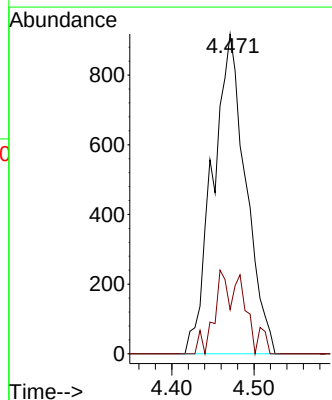
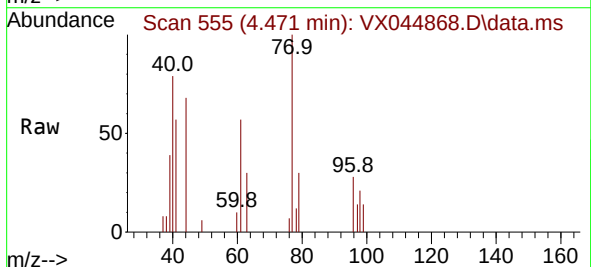
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

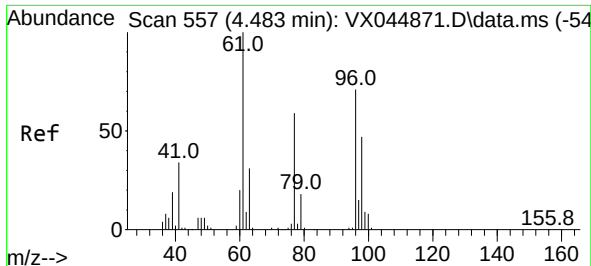
Tgt Ion: 43 Resp: 5660
Ion Ratio Lower Upper
43 100
72 23.0 21.2 31.8



#26
2,2-Dichloropropane
Concen: 0.978 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 77 Resp: 2566
Ion Ratio Lower Upper
77 100
97 11.8 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 0.893 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

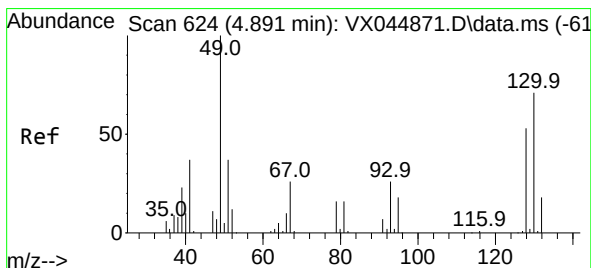
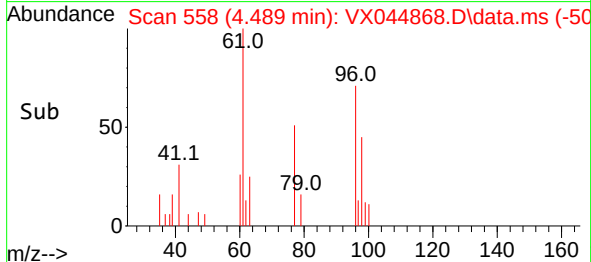
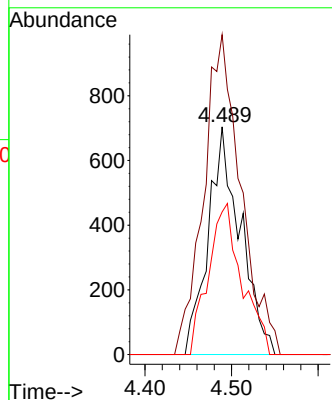
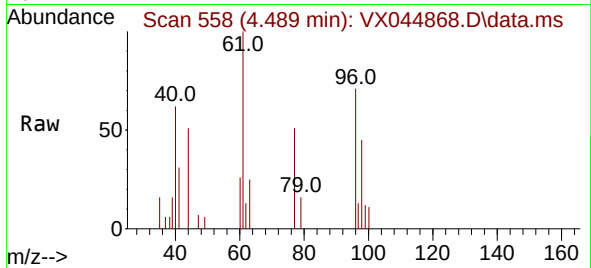
Tgt Ion: 96 Resp: 1825

Ion Ratio Lower Upper

96 100

61 161.6 0.0 294.0

98 68.9 0.0 131.2



#28

Bromochloromethane

Concen: 1.071 ug/l

RT: 4.910 min Scan# 627

Delta R.T. 0.019 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

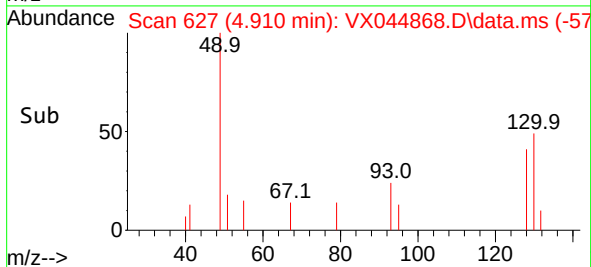
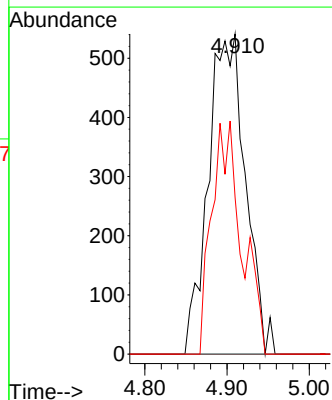
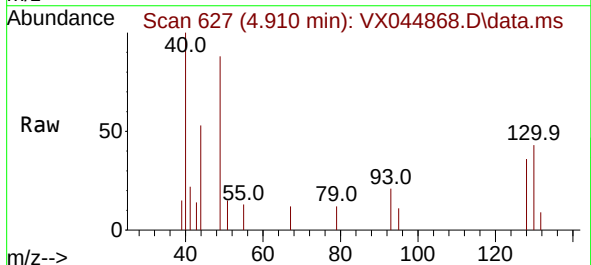
Tgt Ion: 49 Resp: 1702

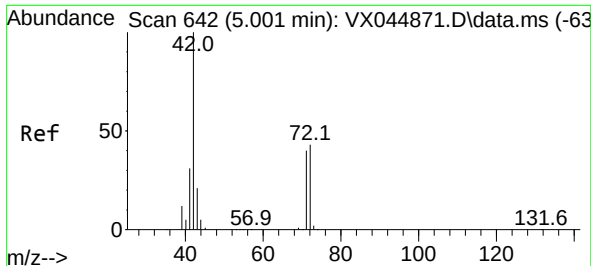
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 49.6 56.7 85.1#





#29

Tetrahydrofuran

Concen: 4.716 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

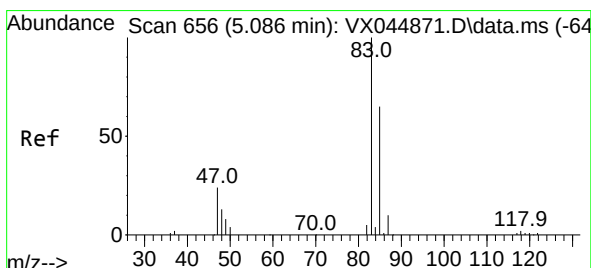
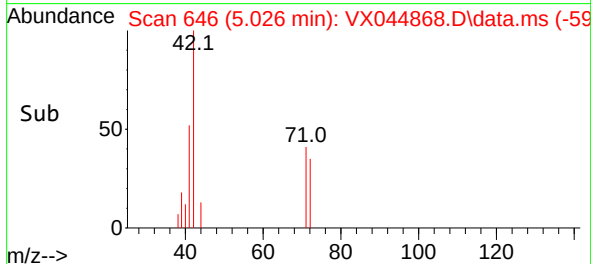
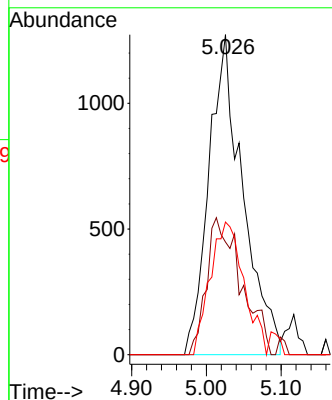
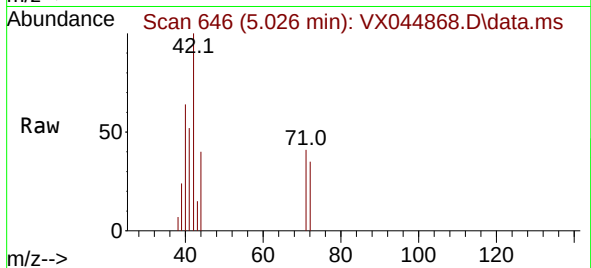
Tgt Ion: 42 Resp: 4014

Ion Ratio Lower Upper

42 100

72 43.8 35.0 52.4

71 41.3 32.6 48.8



#30

Chloroform

Concen: 0.976 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX044868.D

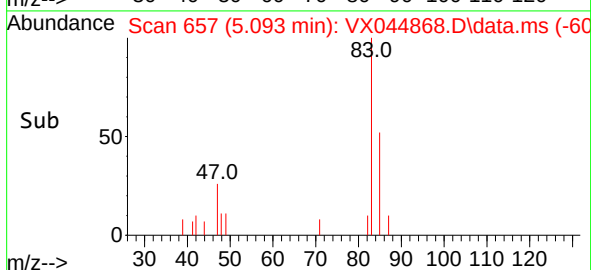
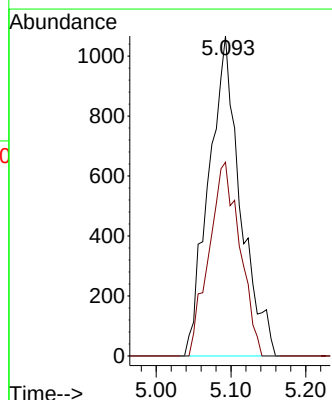
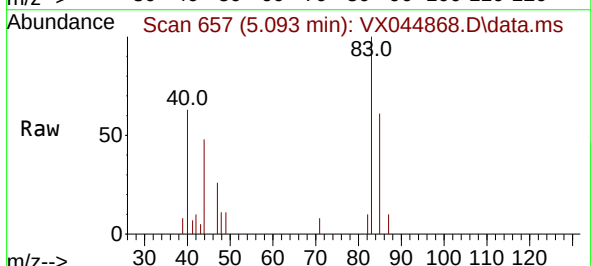
Acq: 10 Feb 2025 10:25

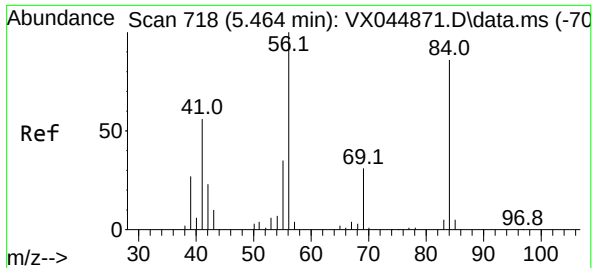
Tgt Ion: 83 Resp: 3132

Ion Ratio Lower Upper

83 100

85 60.5 52.1 78.1

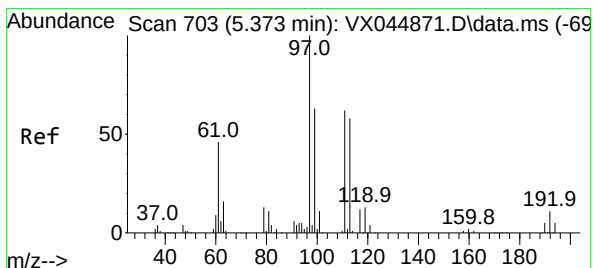
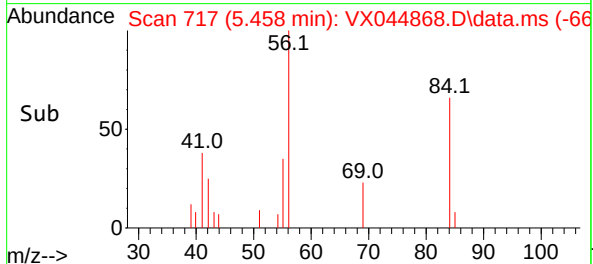
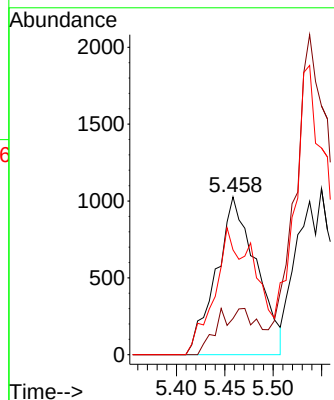
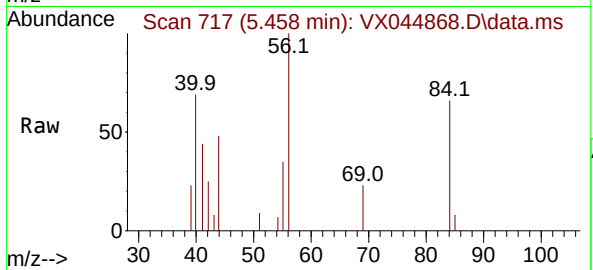




#31
Cyclohexane
Concen: 0.971 ug/l
RT: 5.458 min Scan# 718
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

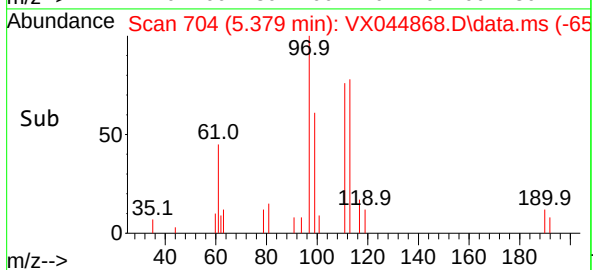
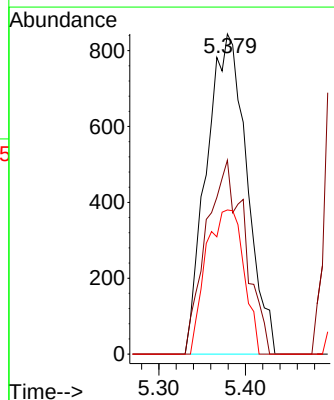
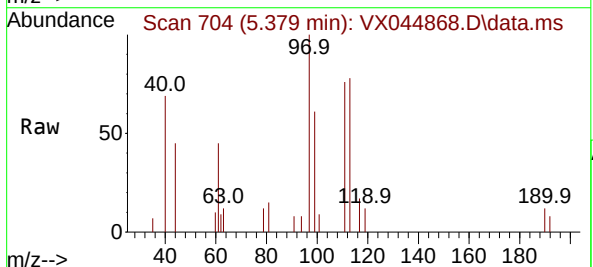
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

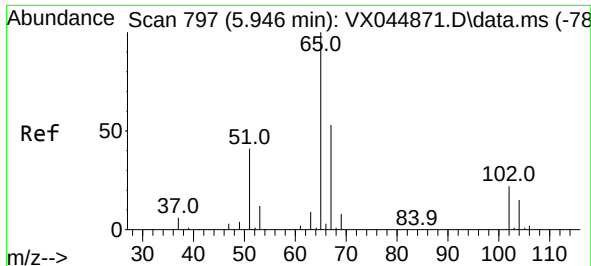
Tgt Ion:	56	Resp:	2960
Ion	Ratio	Lower	Upper
56	100		
69	23.0	24.4	36.6#
84	66.4	69.0	103.6#



#32
1,1,1-Trichloroethane
Concen: 1.000 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:	97	Resp:	2721
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.6#
61	42.2	36.6	55.0

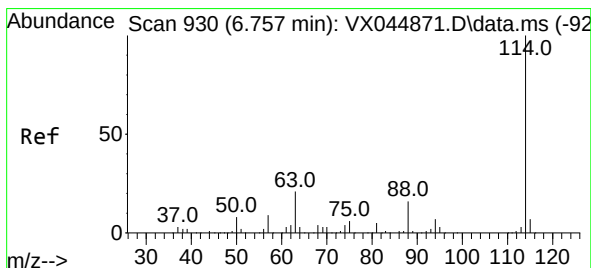
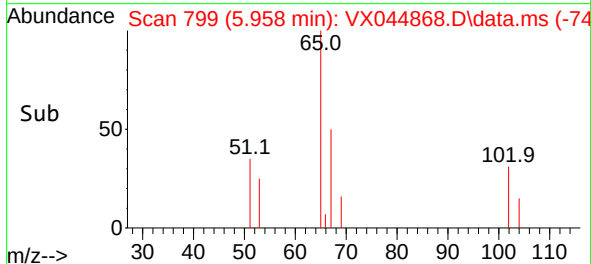
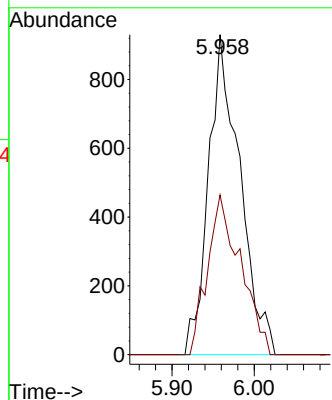
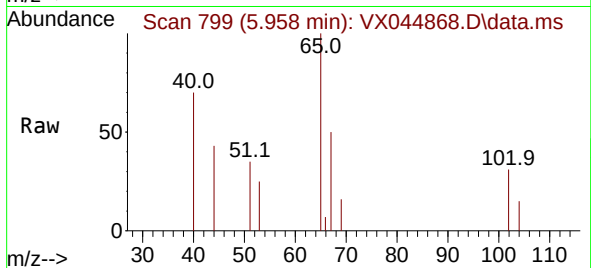




#33
 1,2-Dichloroethane-d4
 Concen: 1.259 ug/l
 RT: 5.958 min Scan# 797
 Delta R.T. 0.013 min
 Lab File: VX044868.D
 Acq: 10 Feb 2025 10:25

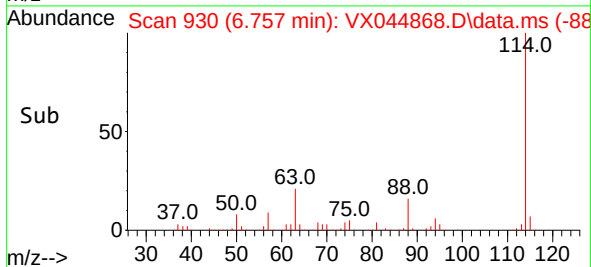
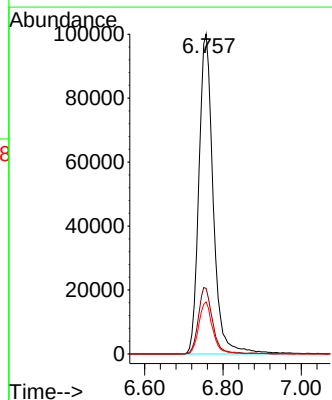
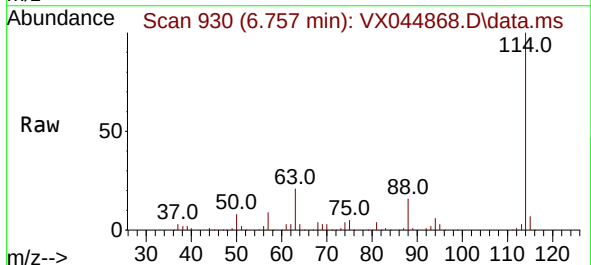
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

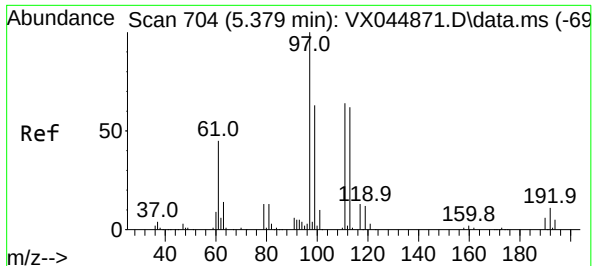
Tgt Ion: 65 Resp: 2473
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX044868.D
 Acq: 10 Feb 2025 10:25

Tgt Ion: 114 Resp: 254149
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.4
 88 16.3 0.0 31.4

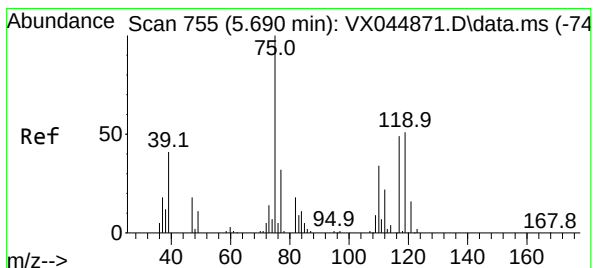
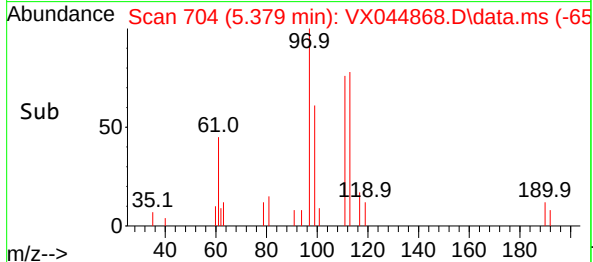
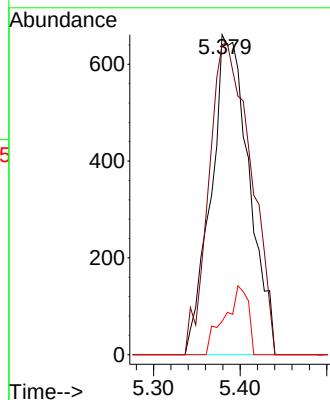
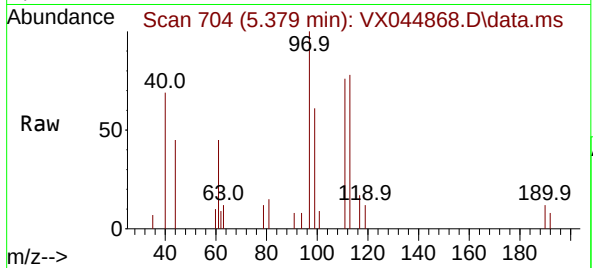




#35
Dibromofluoromethane
Concen: 1.218 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

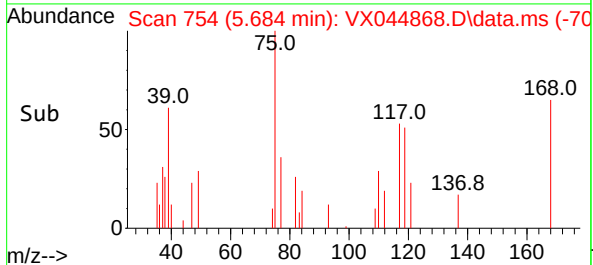
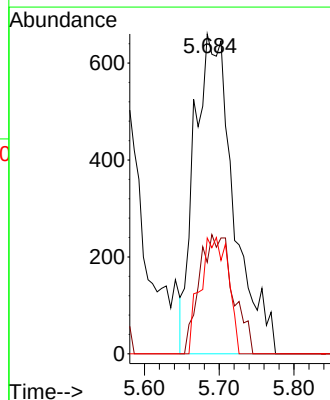
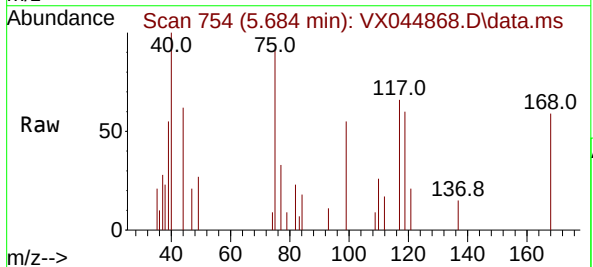
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

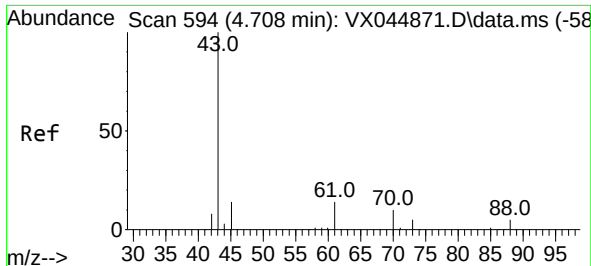
Tgt Ion:113 Resp: 2013
Ion Ratio Lower Upper
113 100
111 107.9 83.5 125.3
192 13.4 14.4 21.6#



#36
1,1-Dichloropropene
Concen: 1.006 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 75 Resp: 2399
Ion Ratio Lower Upper
75 100
110 32.1 17.2 51.6
77 26.3 24.6 37.0





#37

Ethyl Acetate

Concen: 0.379 ug/l

RT: 4.721 min Scan# 594

Delta R.T. 0.013 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

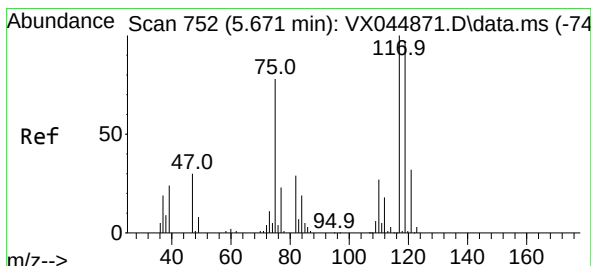
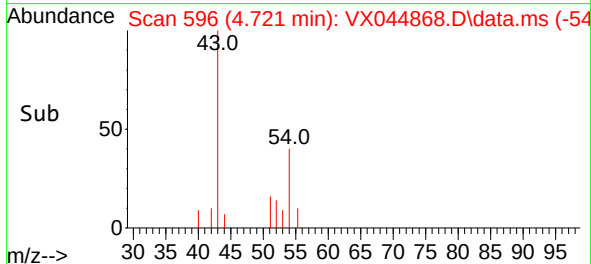
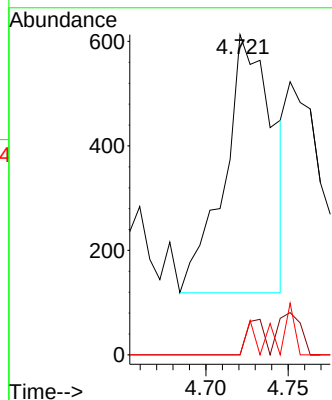
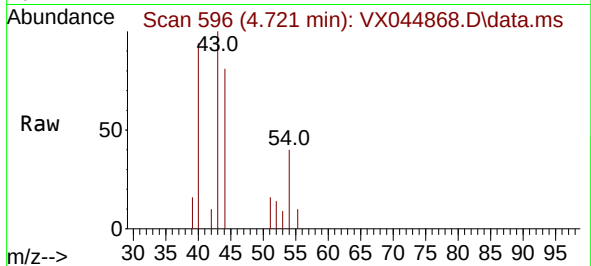
Tgt Ion: 43 Resp: 1004

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.4#

70 2.4 8.2 12.2#



#38

Carbon Tetrachloride

Concen: 0.994 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

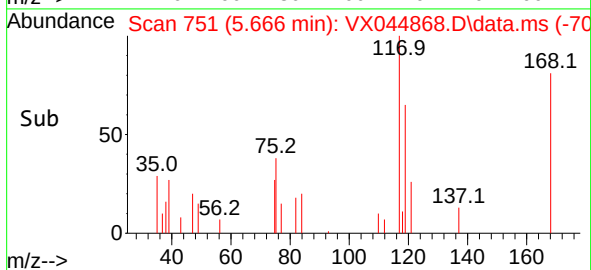
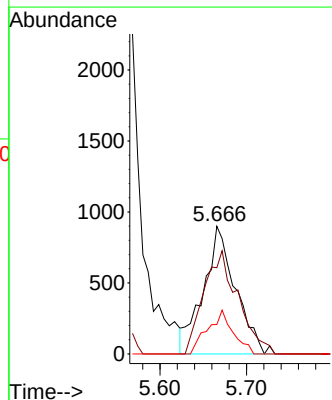
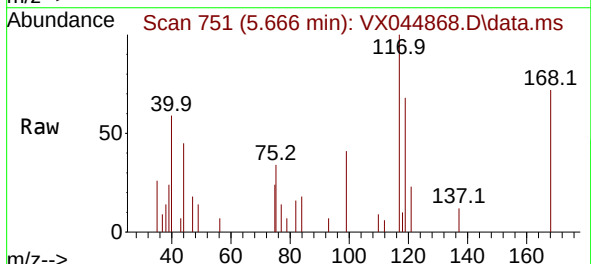
Tgt Ion: 117 Resp: 2322

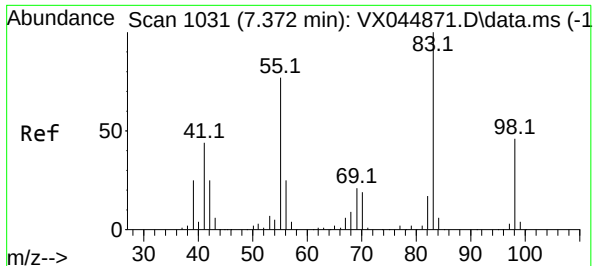
Ion Ratio Lower Upper

117 100

119 67.5 77.5 116.3#

121 23.0 25.6 38.4#





#39

Methylcyclohexane

Concen: 0.840 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

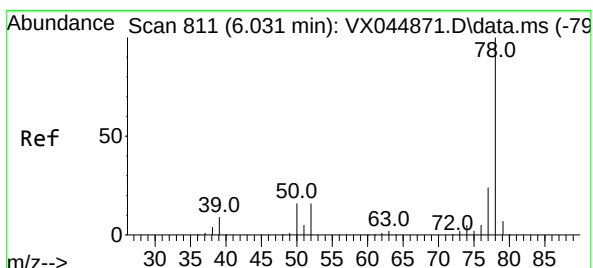
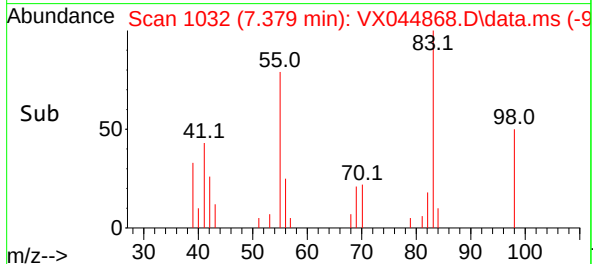
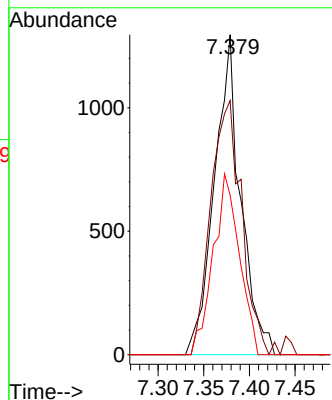
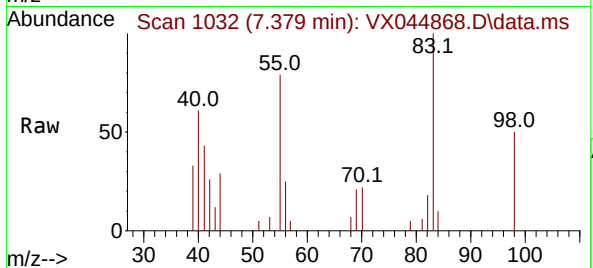
Tgt Ion: 83 Resp: 2589

Ion Ratio Lower Upper

83 100

55 79.4 61.3 91.9

98 49.8 37.0 55.6



#40

Benzene

Concen: 0.935 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.006 min

Lab File: VX044868.D

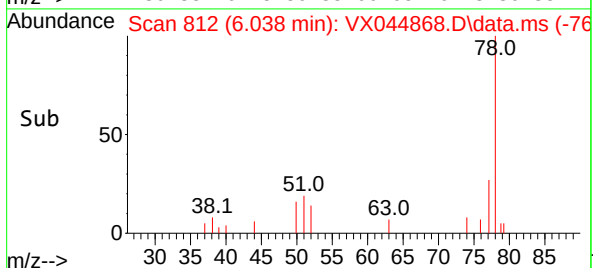
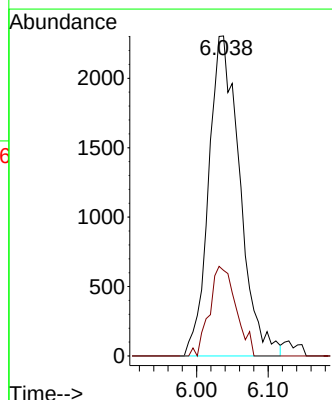
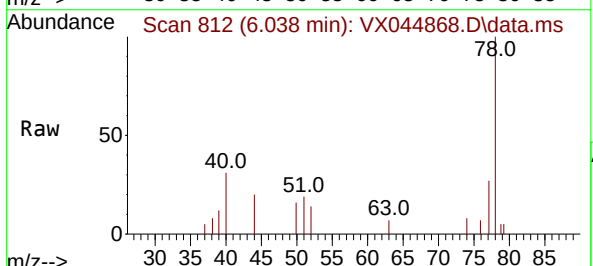
Acq: 10 Feb 2025 10:25

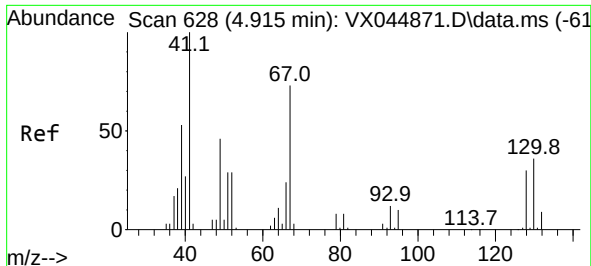
Tgt Ion: 78 Resp: 6963

Ion Ratio Lower Upper

78 100

77 26.8 19.0 28.6

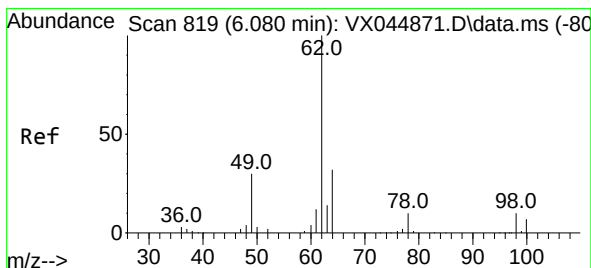
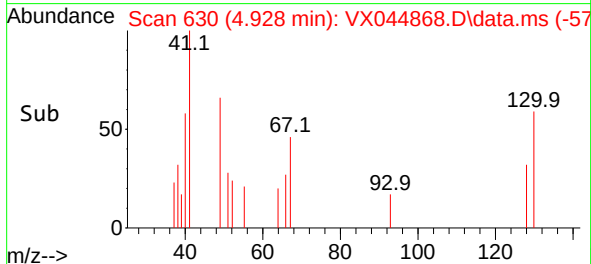
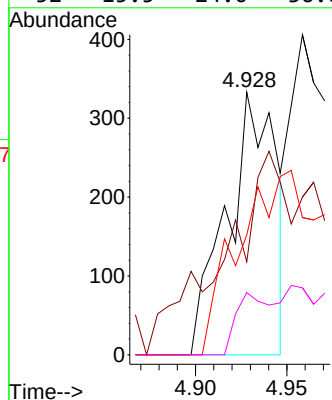
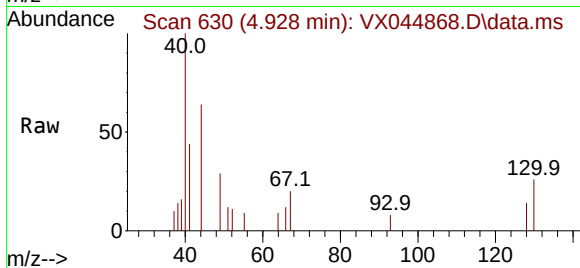




#41
Methacrylonitrile
Concen: 0.438 ug/l
RT: 4.928 min Scan# 61
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

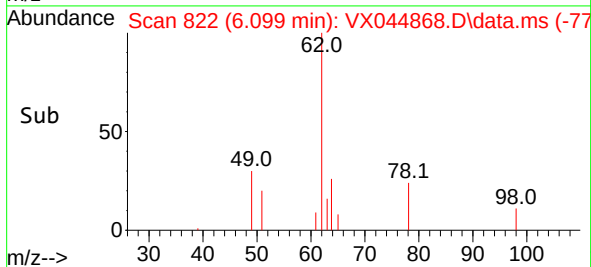
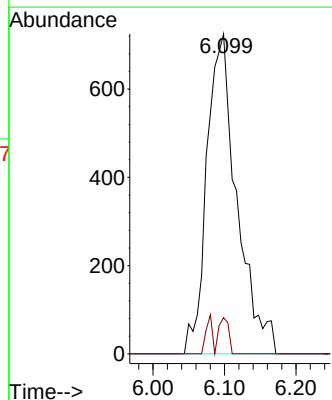
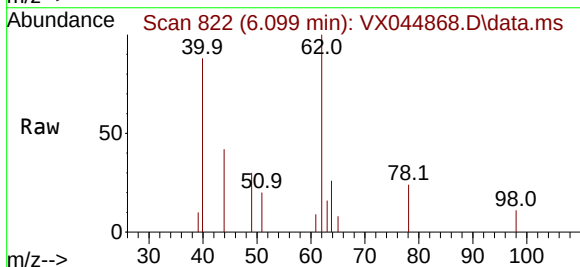
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

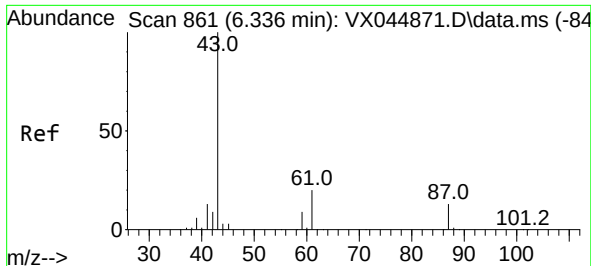
Tgt Ion:	41	Resp:	621
Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.1	64.7#
67	0.0	57.0	85.6#
52	15.5	24.0	36.0#



#42
1,2-Dichloroethane
Concen: 0.894 ug/l
RT: 6.099 min Scan# 822
Delta R.T. 0.019 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:	62	Resp:	2120
Ion	Ratio	Lower	Upper
62	100		
98	3.7	0.0	19.4

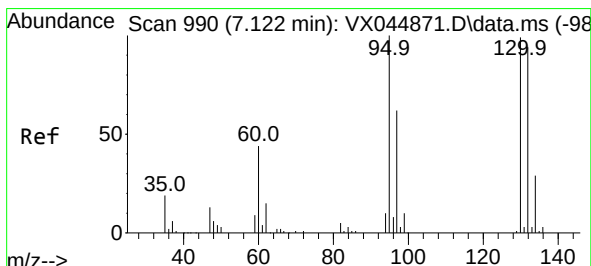
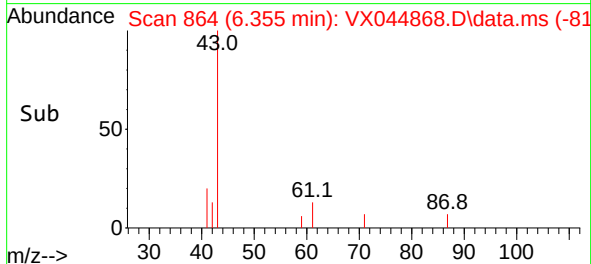
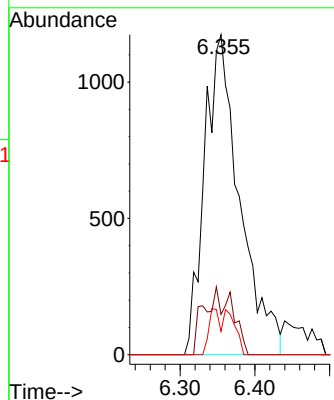
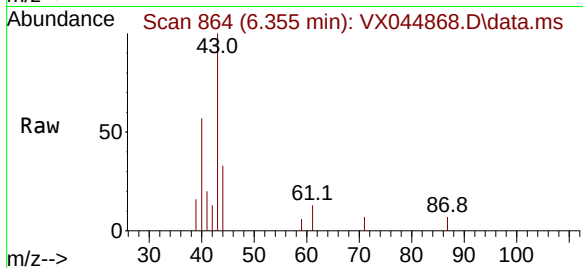




#43
Isopropyl Acetate
Concen: 0.897 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.019 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

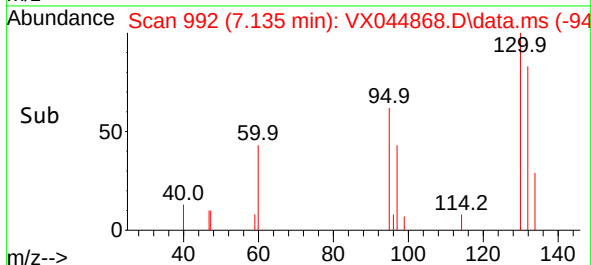
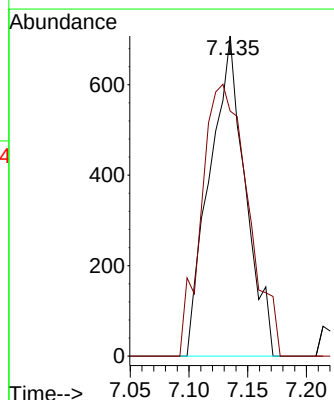
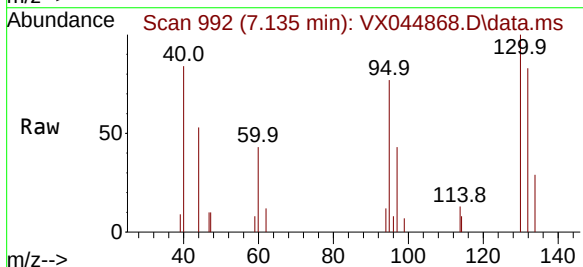
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

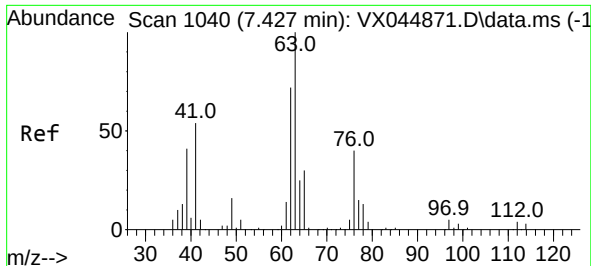
Tgt Ion: 43 Resp: 3839
Ion Ratio Lower Upper
43 100
61 16.9 15.8 23.8
87 4.6 10.0 15.0#



#44
Trichloroethene
Concen: 0.874 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:130 Resp: 1487
Ion Ratio Lower Upper
130 100
95 76.6 0.0 202.4





#45

1,2-Dichloropropane

Concen: 0.943 ug/l

RT: 7.440 min Scan# 1042

Delta R.T. 0.013 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

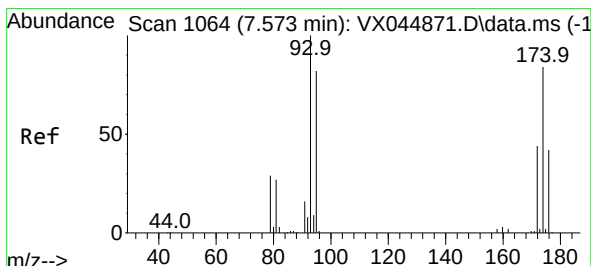
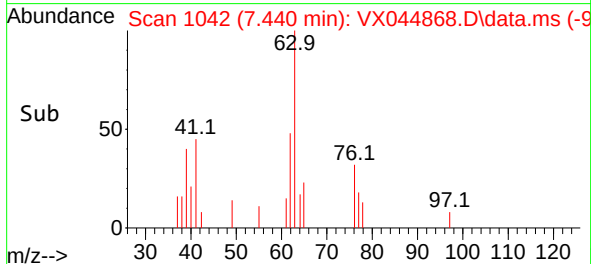
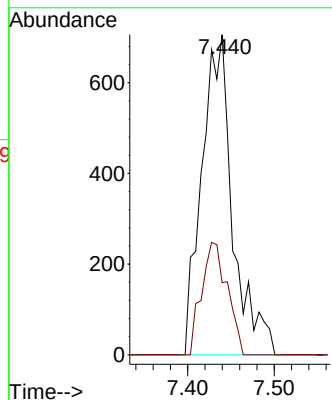
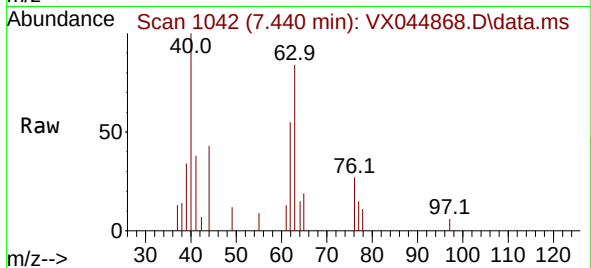
VSTDIC001

Tgt Ion: 63 Resp: 1746

Ion Ratio Lower Upper

63 100

65 22.5 24.2 36.4#



#46

Dibromomethane

Concen: 0.936 ug/l

RT: 7.592 min Scan# 1067

Delta R.T. 0.019 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

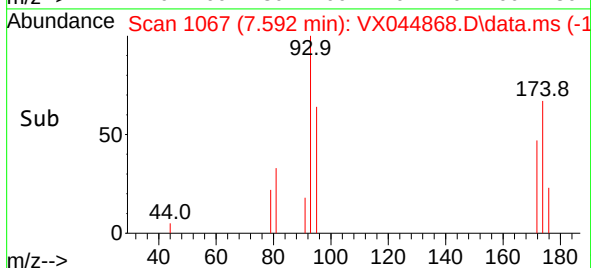
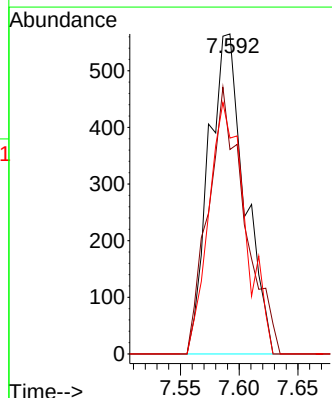
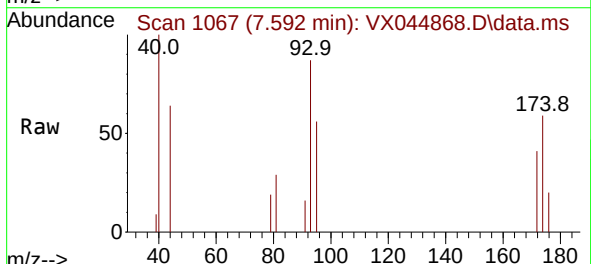
Tgt Ion: 93 Resp: 1202

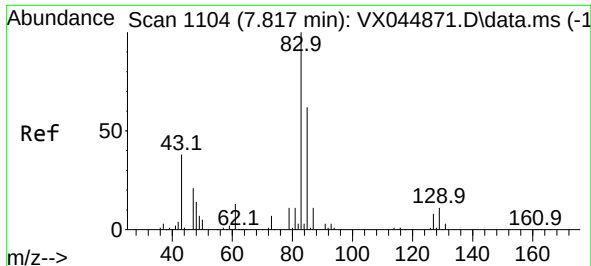
Ion Ratio Lower Upper

93 100

95 84.3 66.2 99.4

174 79.3 69.9 104.9

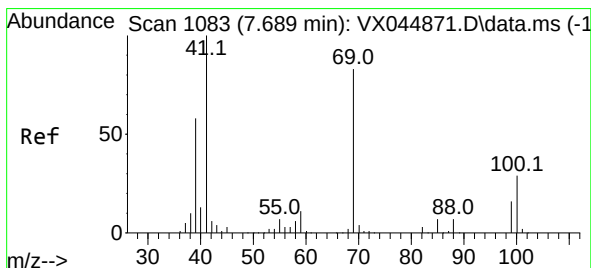
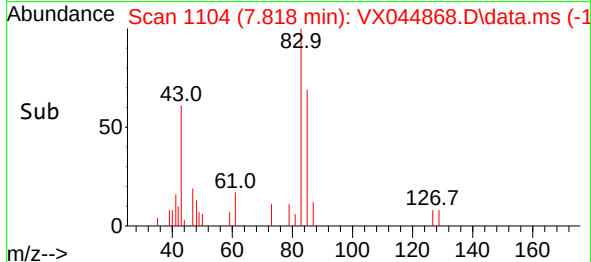
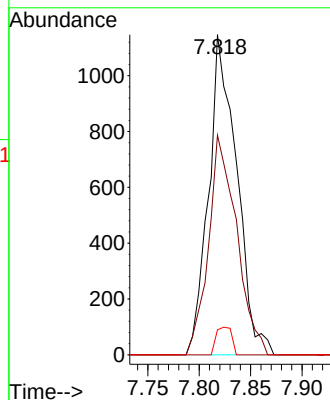
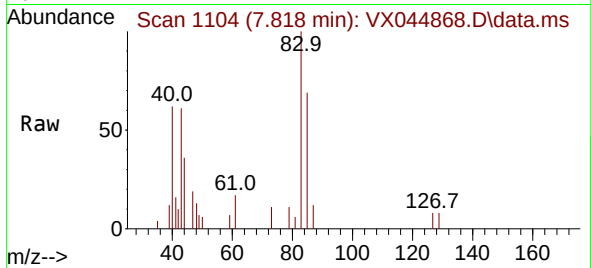




#47
Bromodichloromethane
Concen: 0.875 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

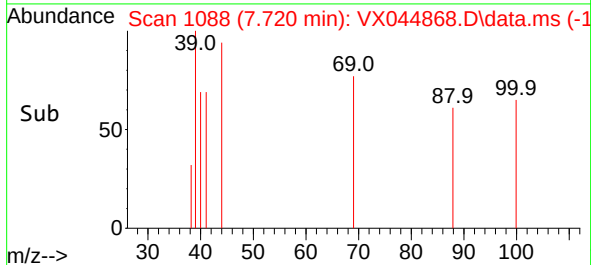
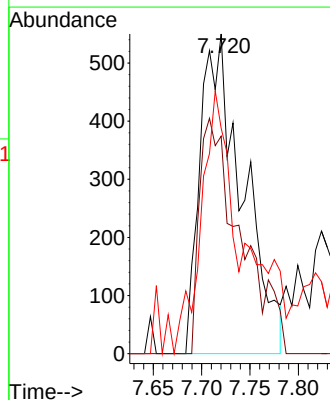
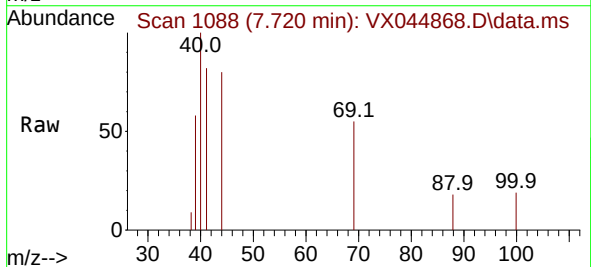
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

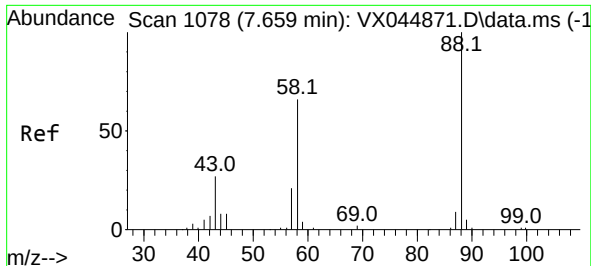
Tgt Ion: 83 Resp: 2176
Ion Ratio Lower Upper
83 100
85 68.6 50.0 75.0
127 7.8 6.4 9.6



#48
Methyl methacrylate
Concen: 0.830 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.031 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 41 Resp: 1675
Ion Ratio Lower Upper
41 100
69 71.8 65.8 98.8
39 55.9 46.4 69.6





#49

1,4-Dioxane

Concen: 20.015 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.037 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

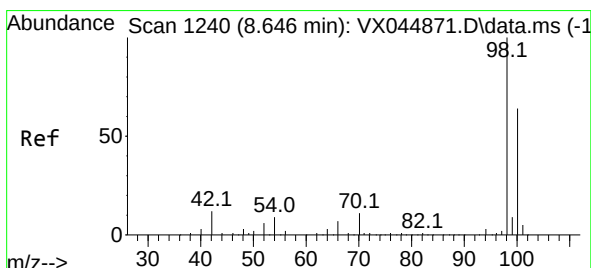
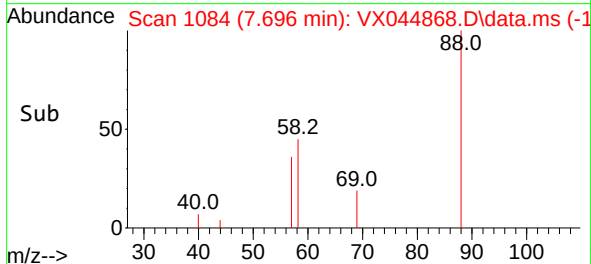
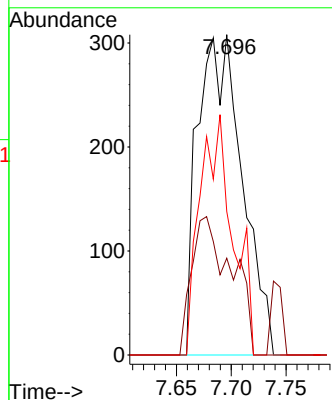
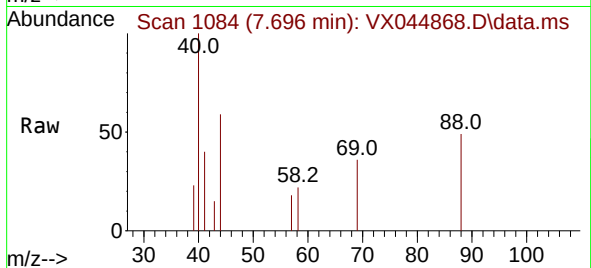
Tgt Ion: 88 Resp: 867

Ion Ratio Lower Upper

88 100

43 38.9 26.6 39.8

58 55.5 55.9 83.9#



#50

Toluene-d8

Concen: 0.991 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.007 min

Lab File: VX044868.D

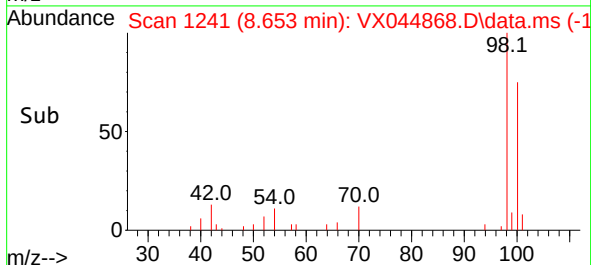
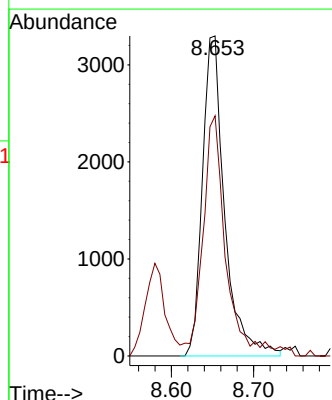
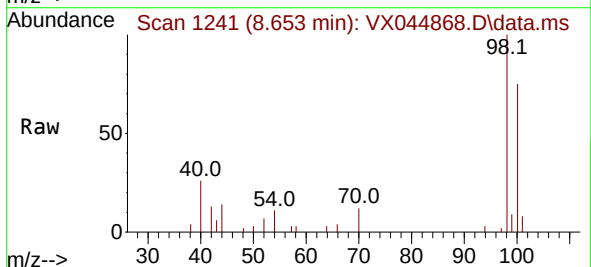
Acq: 10 Feb 2025 10:25

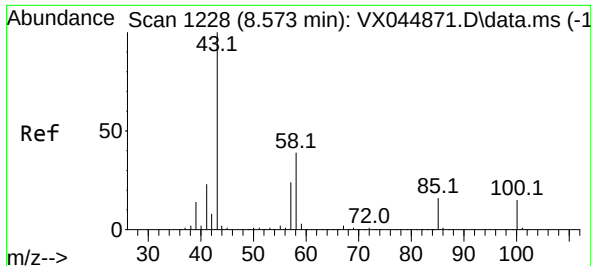
Tgt Ion: 98 Resp: 6195

Ion Ratio Lower Upper

98 100

100 70.7 52.7 79.1

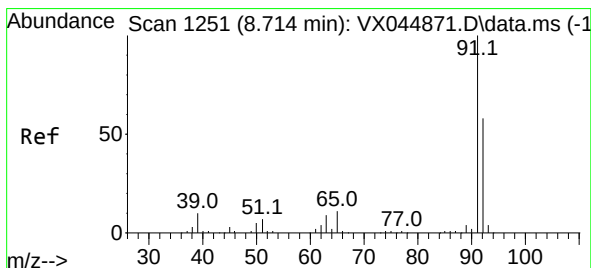
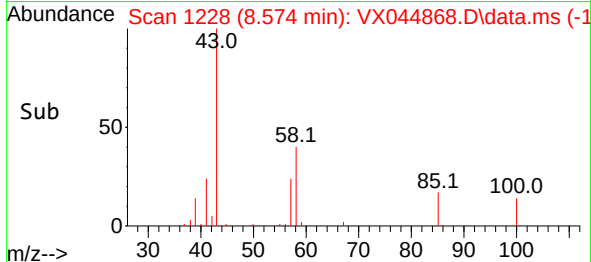
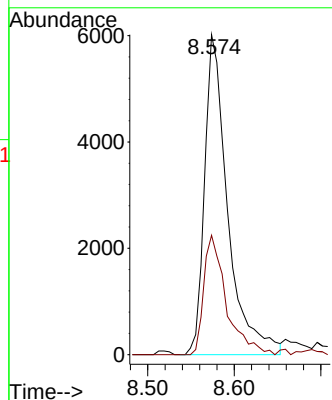
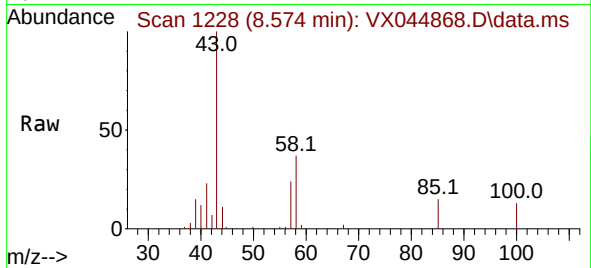




#51
4-Methyl-2-Pentanone
Concen: 4.290 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

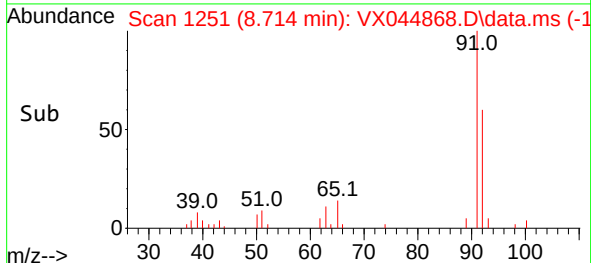
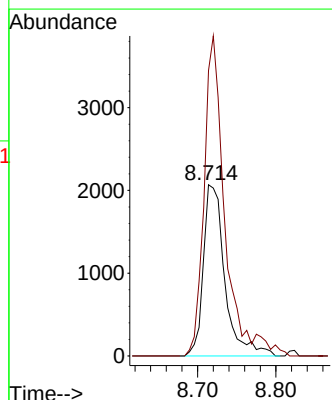
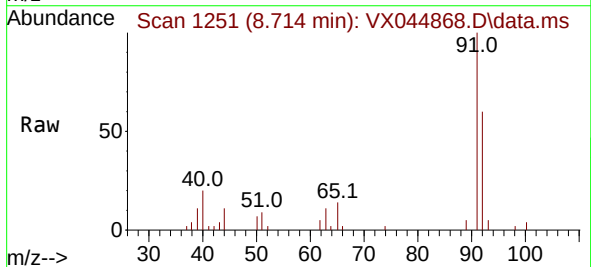
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

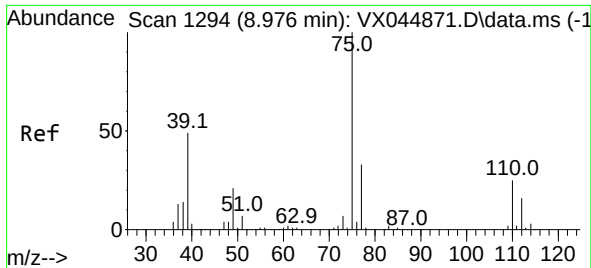
Tgt Ion: 43 Resp: 11169
Ion Ratio Lower Upper
43 100
58 36.3 30.8 46.2



#52
Toluene
Concen: 0.889 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 92 Resp: 3943
Ion Ratio Lower Upper
92 100
91 171.6 137.4 206.2

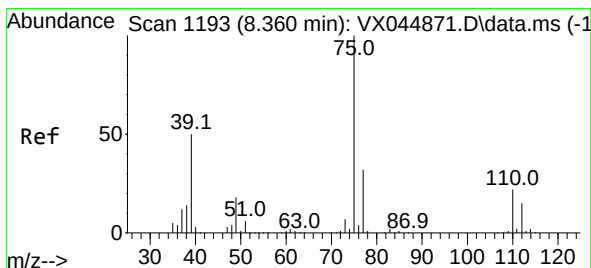
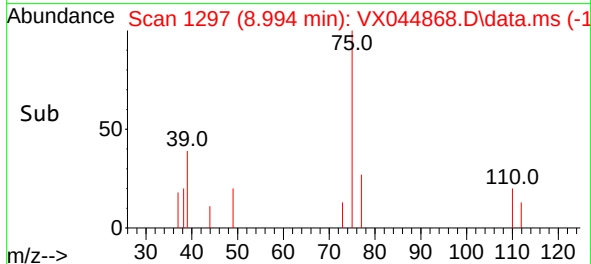
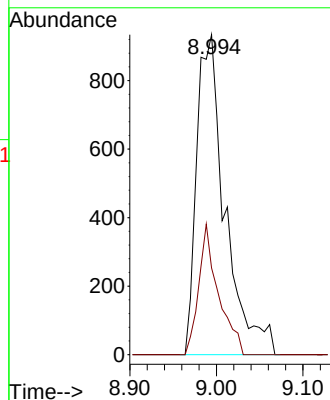
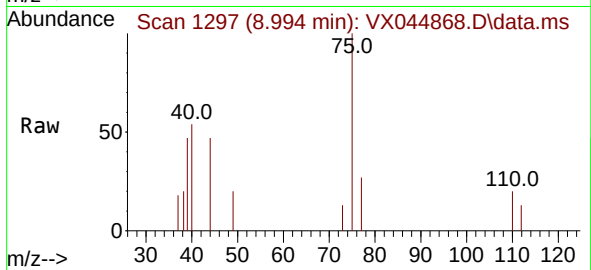




#53
 t-1,3-Dichloropropene
 Concen: 0.842 ug/l
 RT: 8.994 min Scan# 1194
 Delta R.T. 0.019 min
 Lab File: VX044868.D
 Acq: 10 Feb 2025 10:25

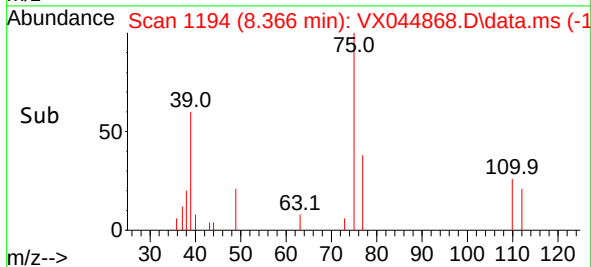
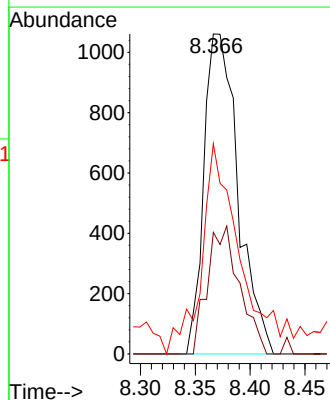
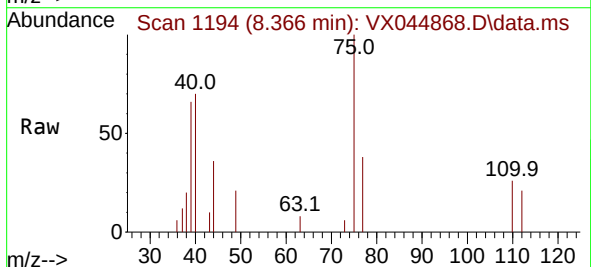
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

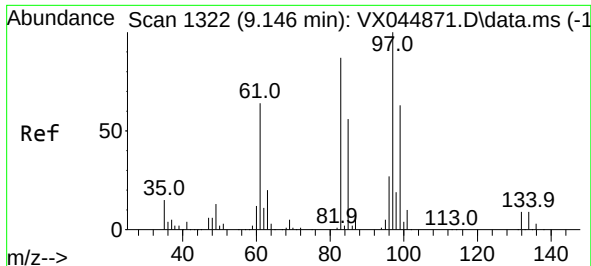
Tgt Ion: 75 Resp: 2119
 Ion Ratio Lower Upper
 75 100
 77 27.1 26.0 39.0



#54
 cis-1,3-Dichloropropene
 Concen: 0.820 ug/l
 RT: 8.366 min Scan# 1194
 Delta R.T. 0.006 min
 Lab File: VX044868.D
 Acq: 10 Feb 2025 10:25

Tgt Ion: 75 Resp: 2300
 Ion Ratio Lower Upper
 75 100
 77 38.0 25.3 37.9#
 39 60.3 40.0 60.0#





#55

1,1,2-Trichloroethane

Concen: 0.914 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

Tgt Ion: 97 Resp: 1558

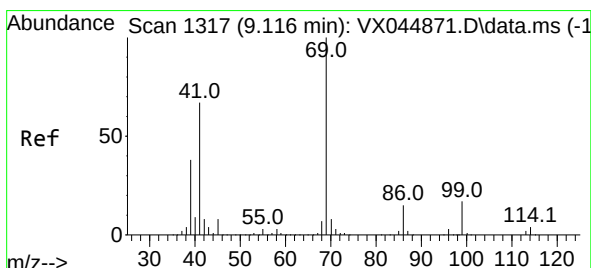
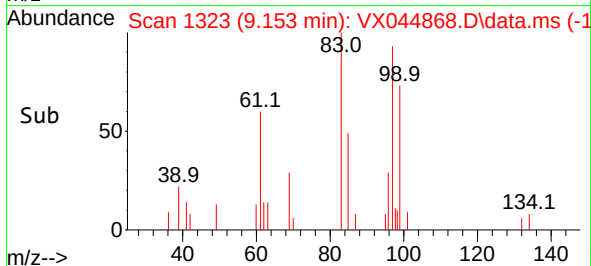
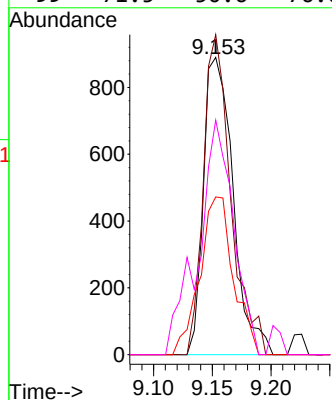
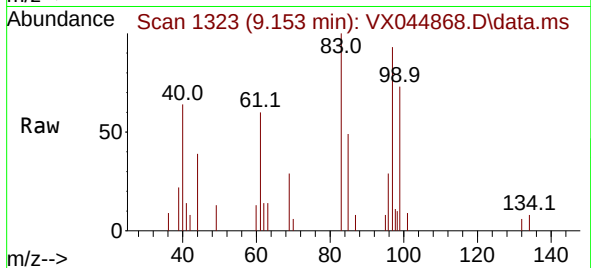
Ion Ratio Lower Upper

97 100

83 107.6 69.8 104.6#

85 53.0 44.8 67.2

99 71.5 50.6 76.0



#56

Ethyl methacrylate

Concen: 0.852 ug/l

RT: 9.128 min Scan# 1319

Delta R.T. 0.013 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

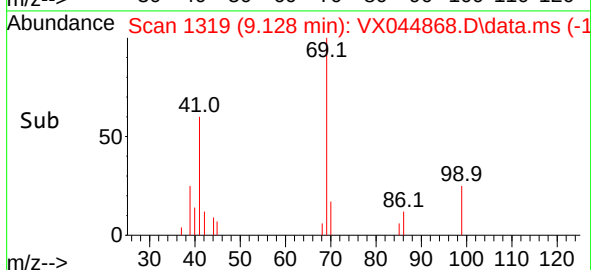
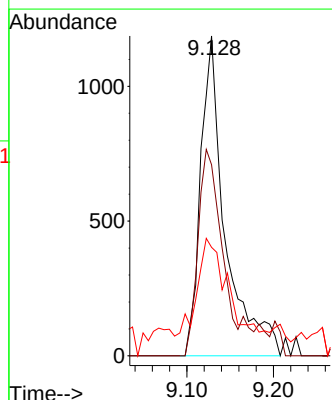
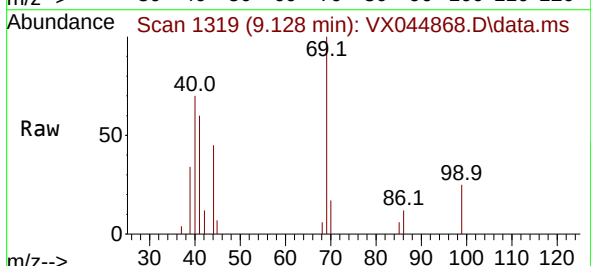
Tgt Ion: 69 Resp: 2346

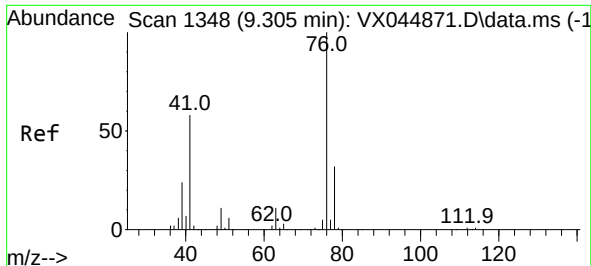
Ion Ratio Lower Upper

69 100

41 61.6 55.2 82.8

39 56.2 30.8 46.2#





#57

1,3-Dichloropropane

Concen: 0.905 ug/l

RT: 9.311 min Scan# 1175

Delta R.T. 0.007 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

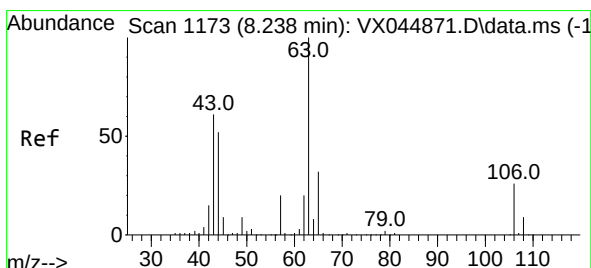
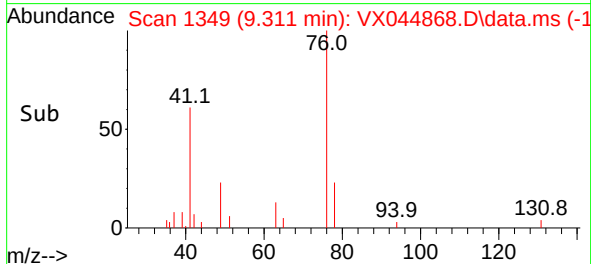
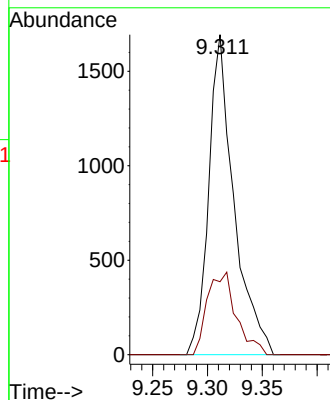
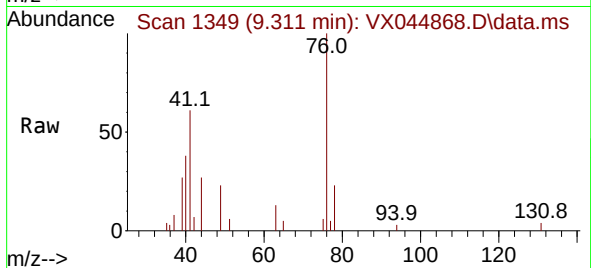
VSTDIC001

Tgt Ion: 76 Resp: 2699

Ion Ratio Lower Upper

76 100

78 29.6 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 3.996 ug/l

RT: 8.251 min Scan# 1175

Delta R.T. 0.013 min

Lab File: VX044868.D

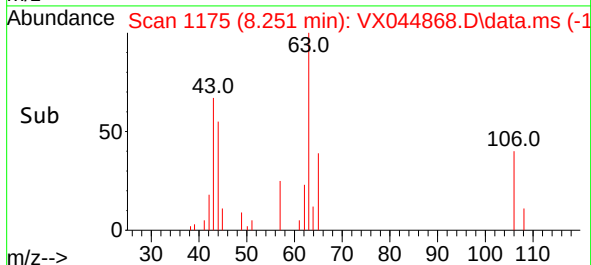
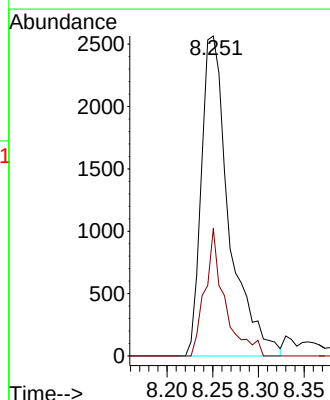
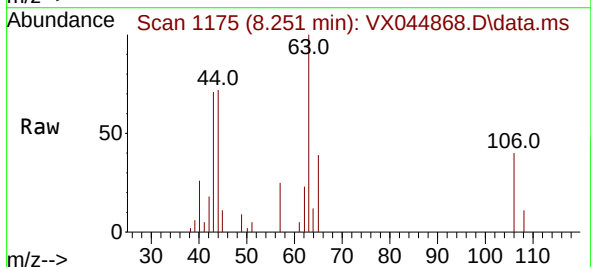
Acq: 10 Feb 2025 10:25

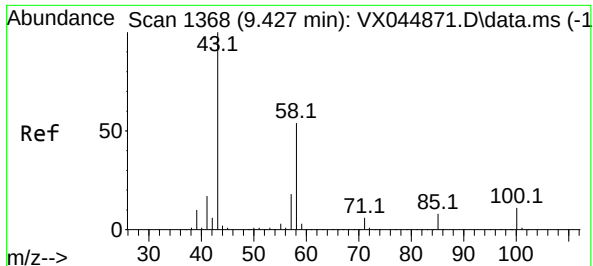
Tgt Ion: 63 Resp: 5401

Ion Ratio Lower Upper

63 100

106 28.2 21.3 31.9

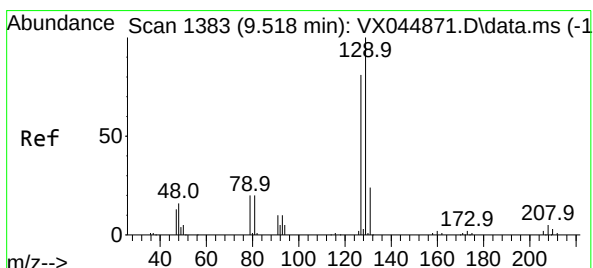
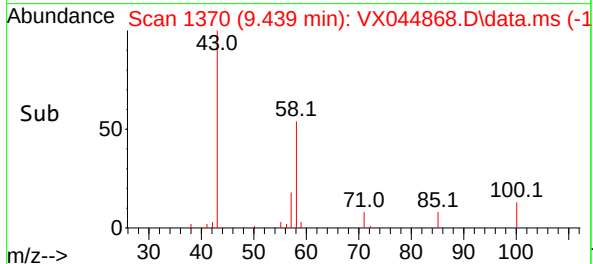
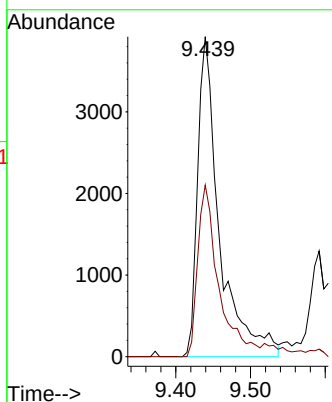
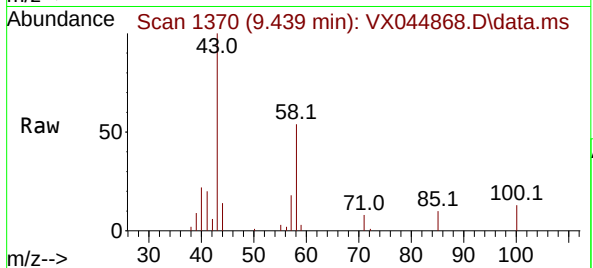




#59
2-Hexanone
Concen: 4.240 ug/l
RT: 9.439 min Scan# 11
Delta R.T. 0.013 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

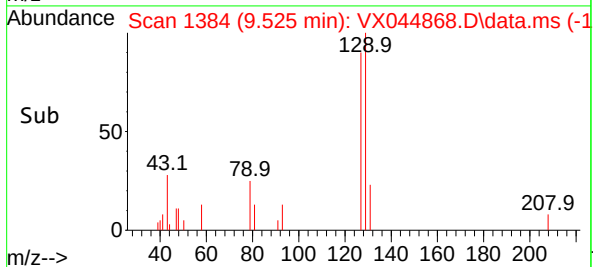
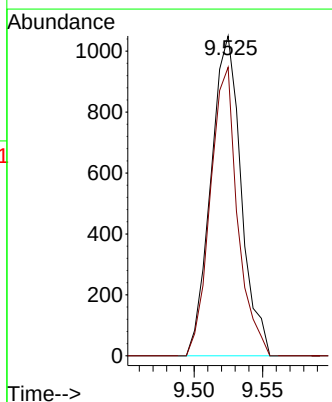
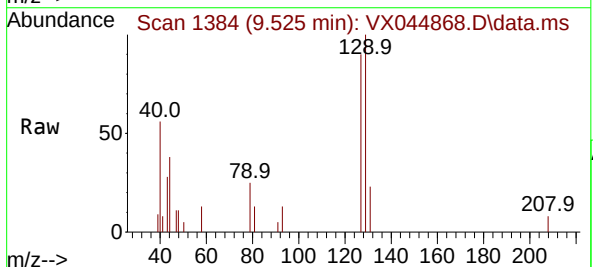
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

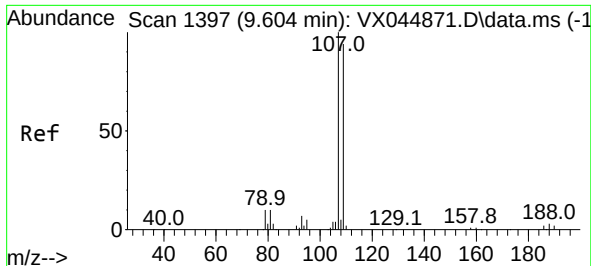
Tgt Ion: 43 Resp: 7952
Ion Ratio Lower Upper
43 100
58 51.3 27.5 82.4



#60
Dibromochloromethane
Concen: 0.885 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 129 Resp: 1613
Ion Ratio Lower Upper
129 100
127 81.3 39.1 117.3

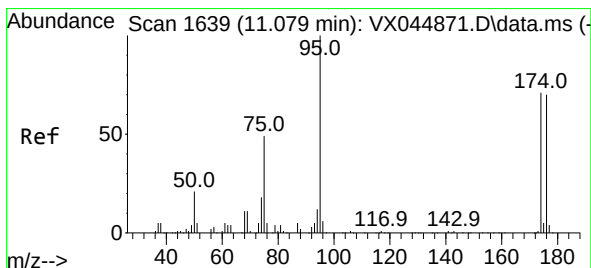
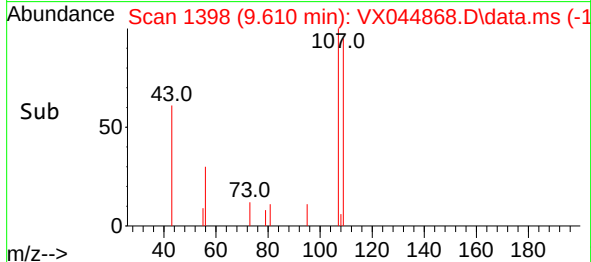
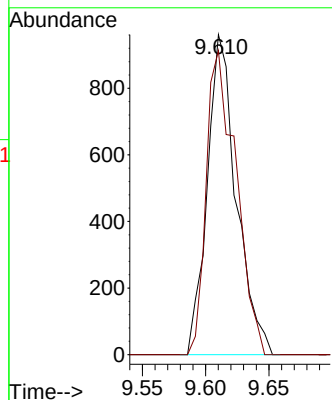
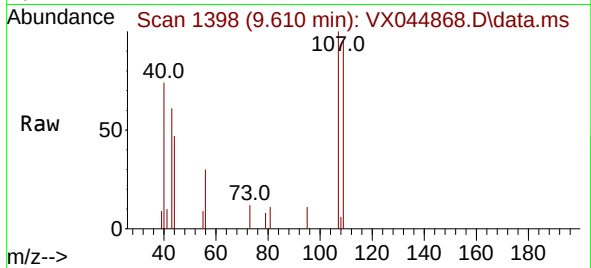




#61
1,2-Dibromoethane
Concen: 0.888 ug/l
RT: 9.610 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

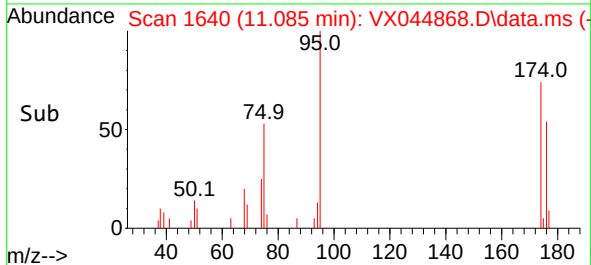
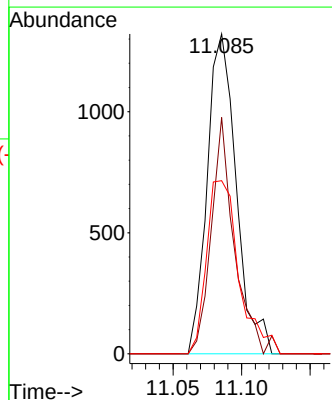
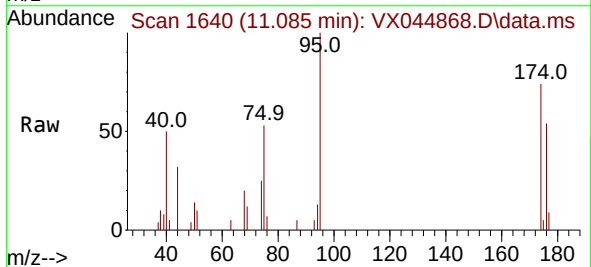
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

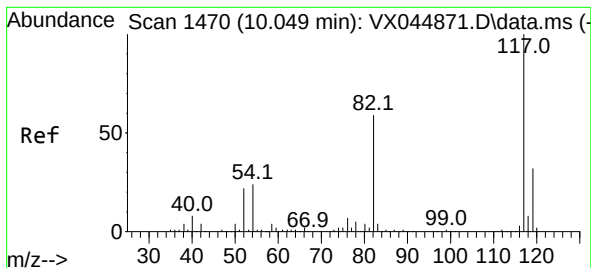
Tgt Ion:107 Resp: 1534
Ion Ratio Lower Upper
107 100
109 97.4 75.9 113.9



#62
4-Bromofluorobenzene
Concen: 0.926 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 95 Resp: 1950
Ion Ratio Lower Upper
95 100
174 58.8 0.0 142.6
176 60.5 0.0 141.6

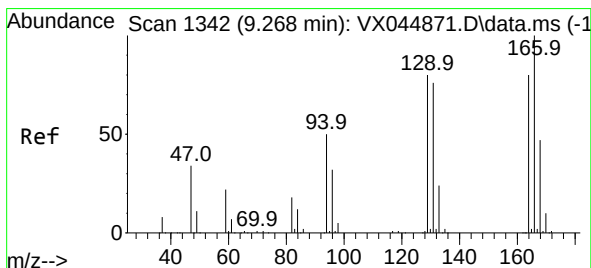
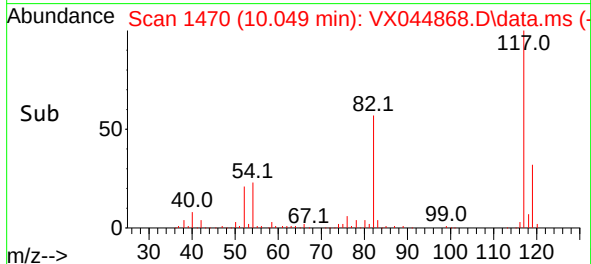
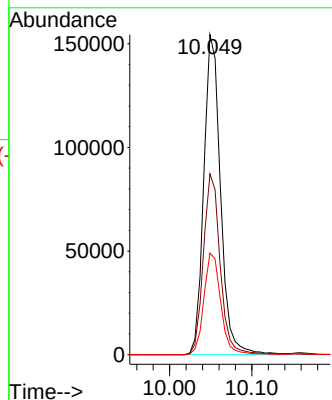
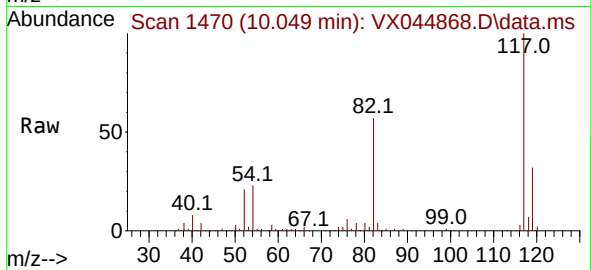




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

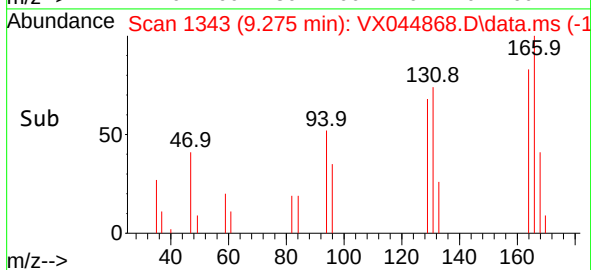
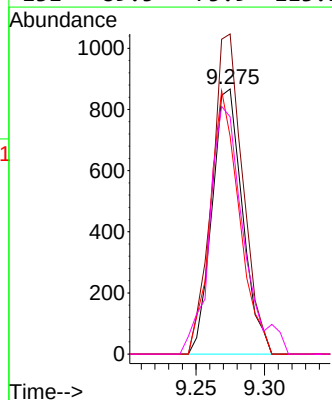
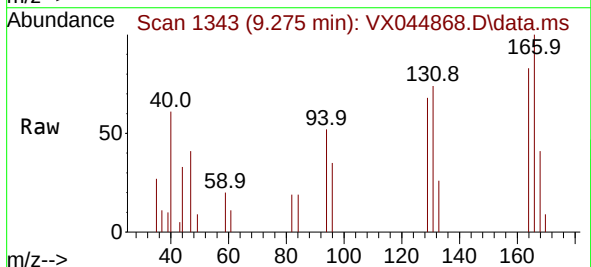
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

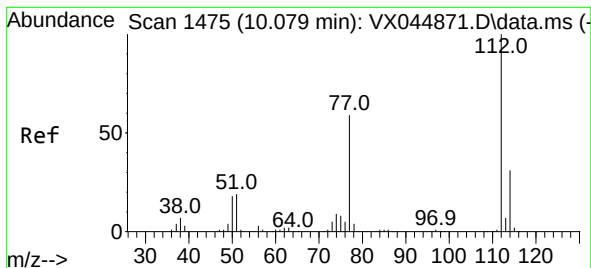
Tgt Ion:117 Resp: 218570
Ion Ratio Lower Upper
117 100
82 56.5 47.5 71.3
119 31.8 25.4 38.0



#64
Tetrachloroethene
Concen: 0.971 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:164 Resp: 1339
Ion Ratio Lower Upper
164 100
166 120.8 100.4 150.6
129 82.1 79.9 119.9
131 89.5 75.9 113.9

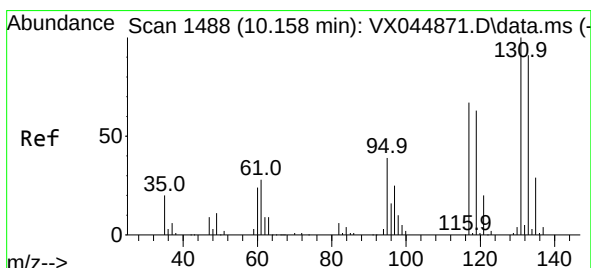
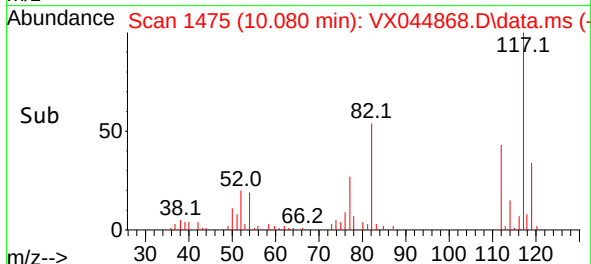
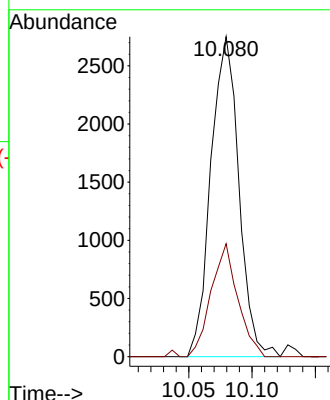
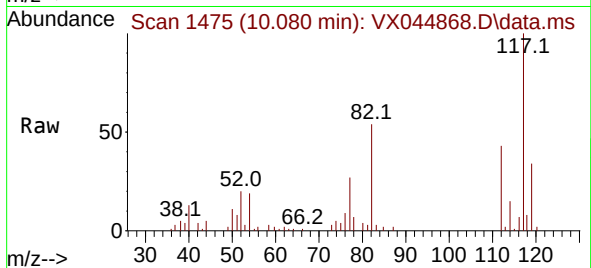




#65
Chlorobenzene
Concen: 0.902 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

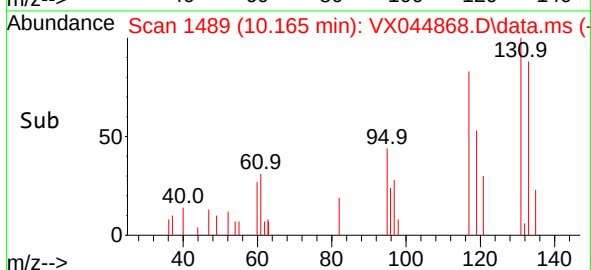
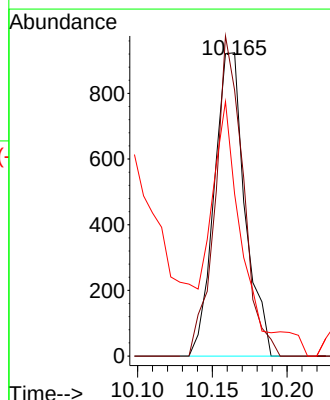
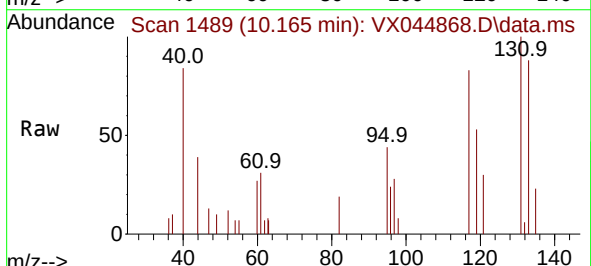
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

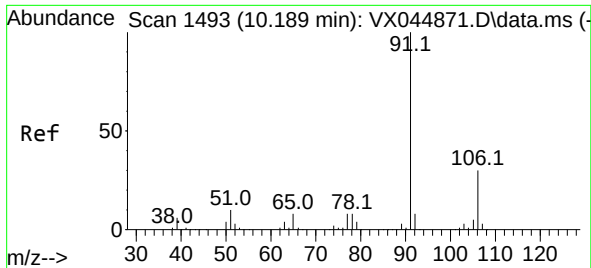
Tgt Ion:112 Resp: 4234
Ion Ratio Lower Upper
112 100
114 35.3 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 0.874 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:131 Resp: 1320
Ion Ratio Lower Upper
131 100
133 96.0 47.1 141.3
119 0.0 33.6 100.6#

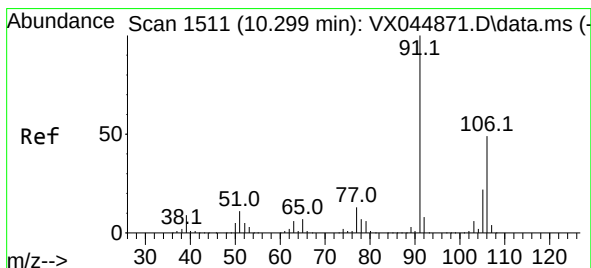
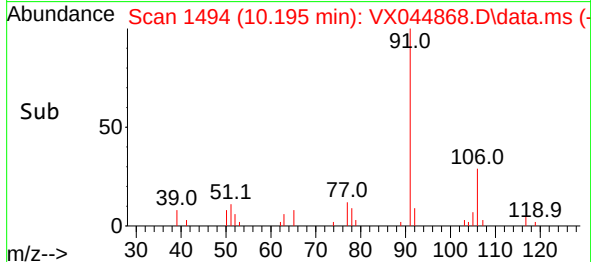
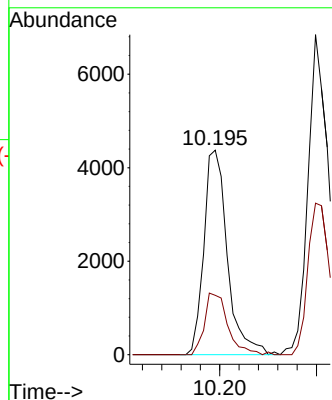
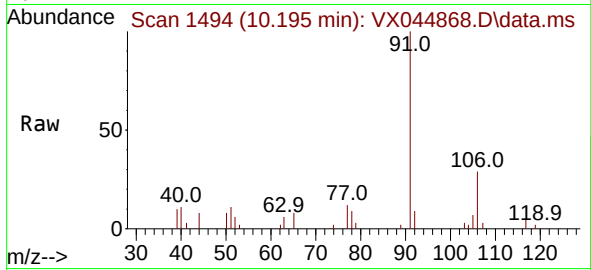




#67
Ethyl Benzene
Concen: 0.892 ug/l
RT: 10.195 min Scan# 1493
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

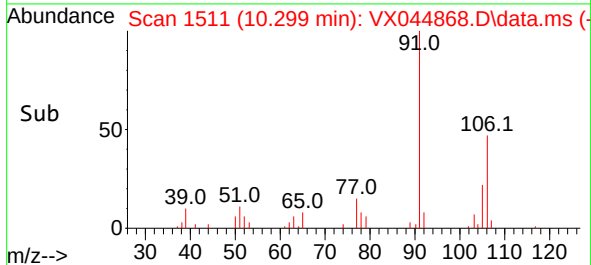
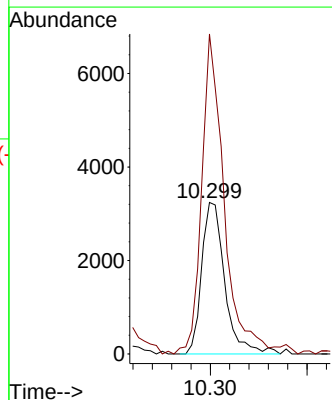
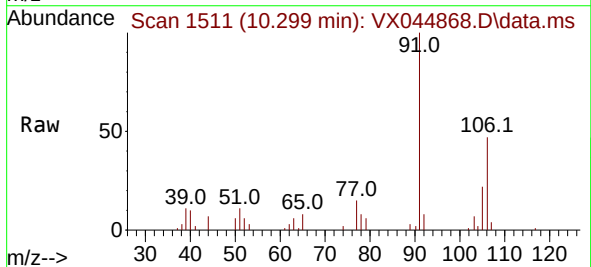
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

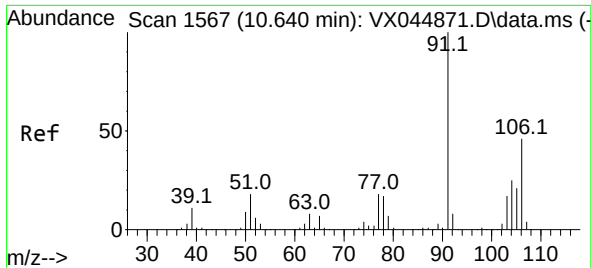
Tgt Ion: 91 Resp: 7388
Ion Ratio Lower Upper
91 100
106 29.0 23.9 35.9



#68
m/p-Xylenes
Concen: 1.763 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 106 Resp: 5387
Ion Ratio Lower Upper
106 100
91 204.7 164.3 246.5

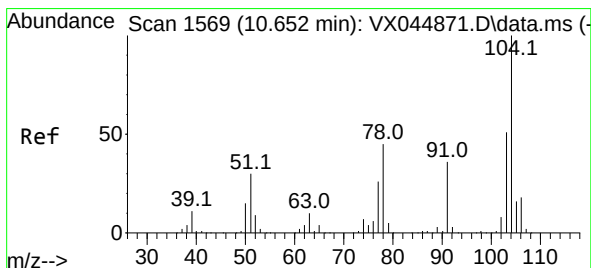
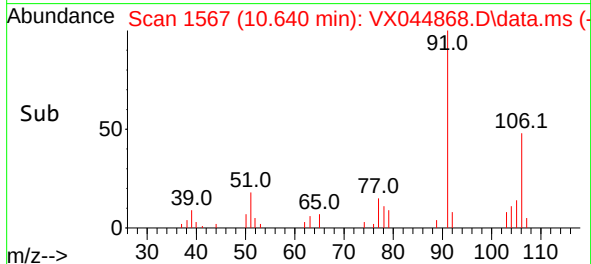
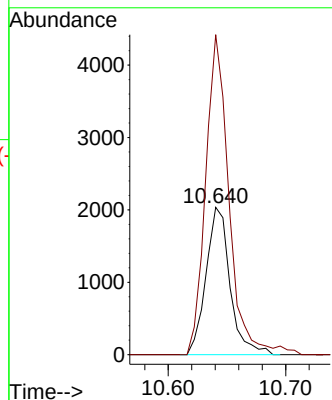
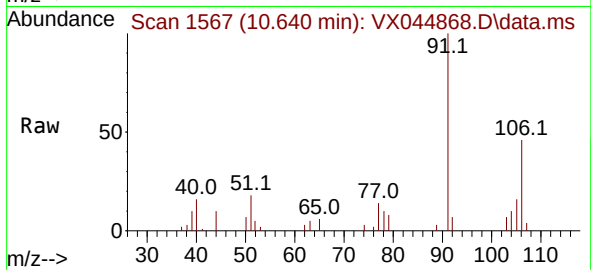




#69
o-Xylene
Concen: 0.942 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

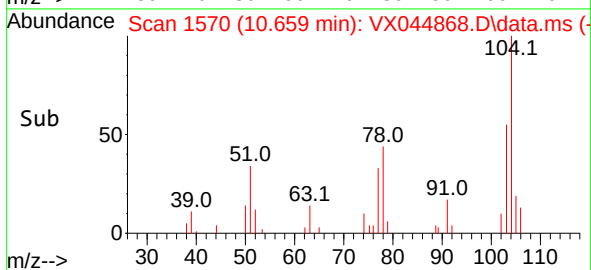
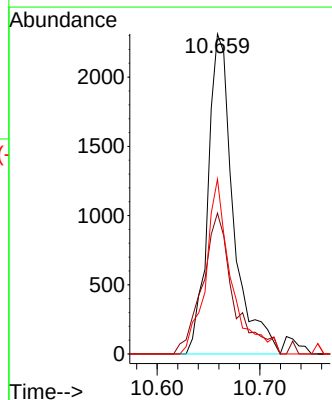
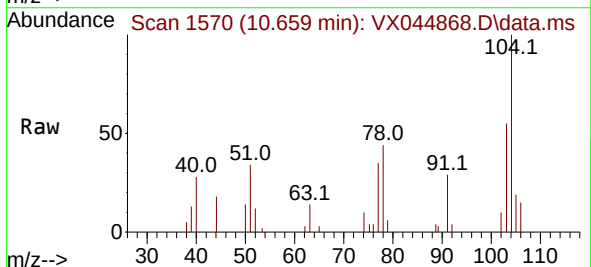
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

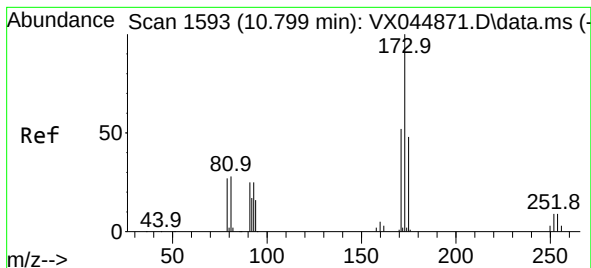
Tgt Ion:106 Resp: 2889
Ion Ratio Lower Upper
106 100
91 211.5 108.5 325.5



#70
Styrene
Concen: 0.804 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.007 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion:104 Resp: 3974
Ion Ratio Lower Upper
104 100
78 54.1 40.5 60.7
103 55.0 43.6 65.4





#71

Bromoform

Concen: 0.721 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

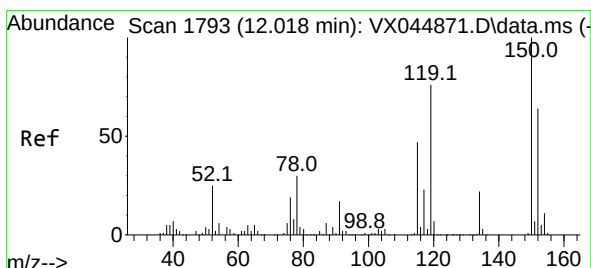
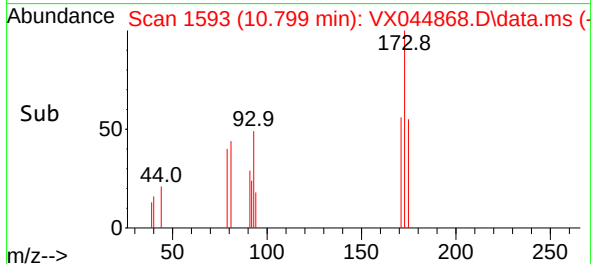
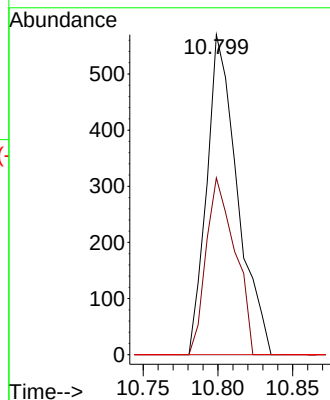
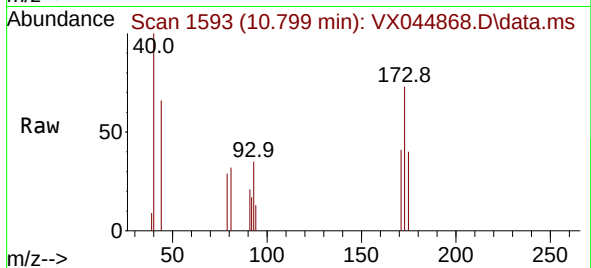
Tgt Ion:173 Resp: 813

Ion Ratio Lower Upper

173 100

175 52.2 24.3 72.8

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: VX044868.D

Acq: 10 Feb 2025 10:25

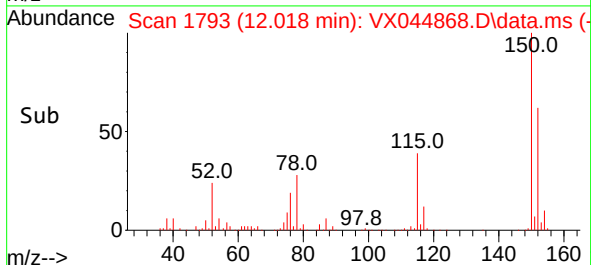
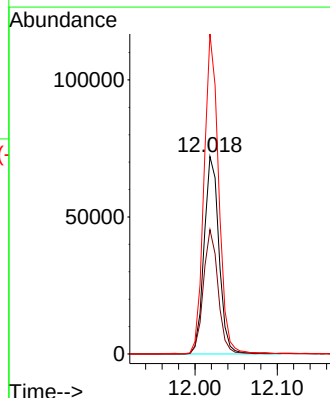
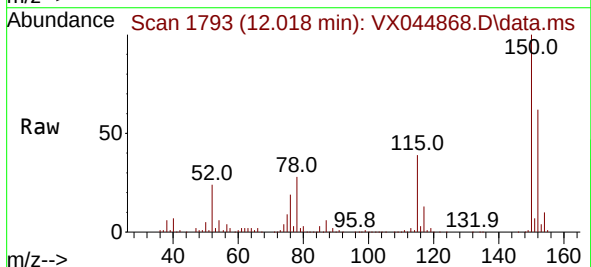
Tgt Ion:152 Resp: 90733

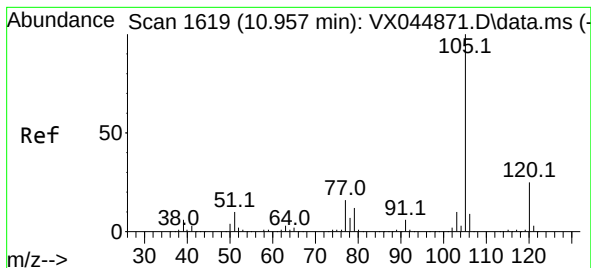
Ion Ratio Lower Upper

152 100

115 62.0 43.4 130.1

150 158.6 0.0 350.4





#73

Isopropylbenzene

Concen: 0.928 ug/l

RT: 10.964 min Scan# 1

Delta R.T. 0.007 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

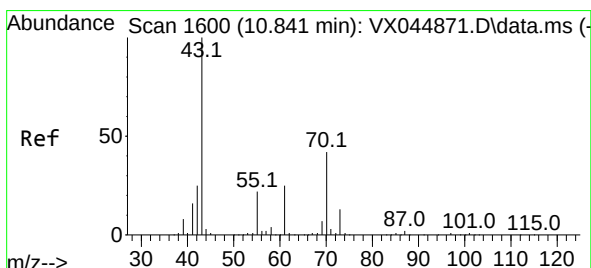
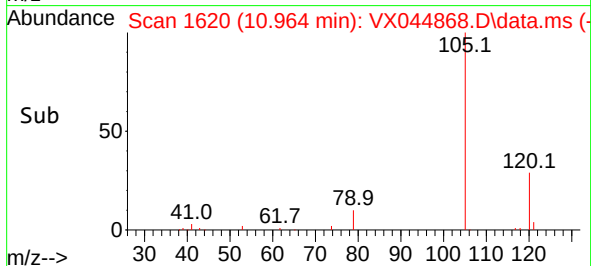
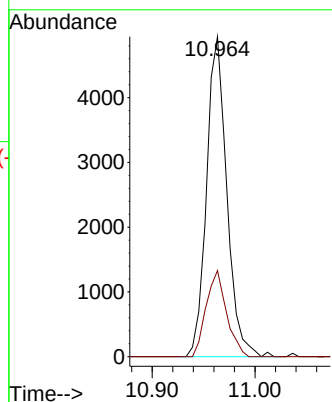
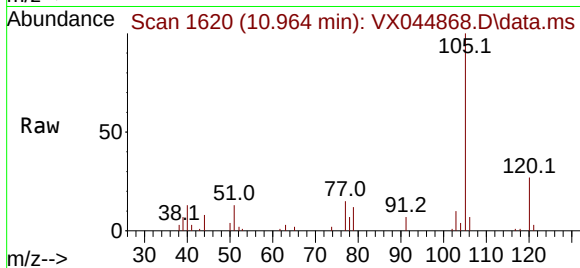
VSTDIC001

Tgt Ion:105 Resp: 6778

Ion Ratio Lower Upper

105 100

120 27.0 13.2 39.5



#74

N-ethyl acetate

Concen: 0.785 ug/l

RT: 10.848 min Scan# 1601

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion: 43 Resp: 2596

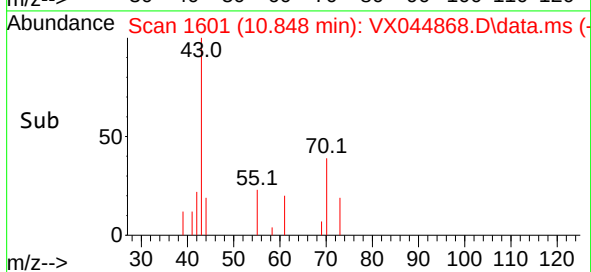
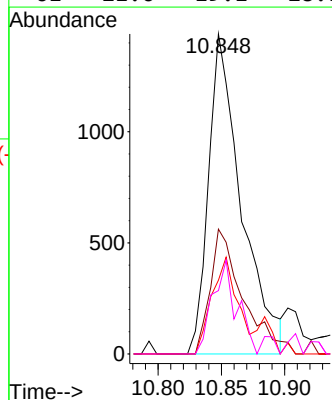
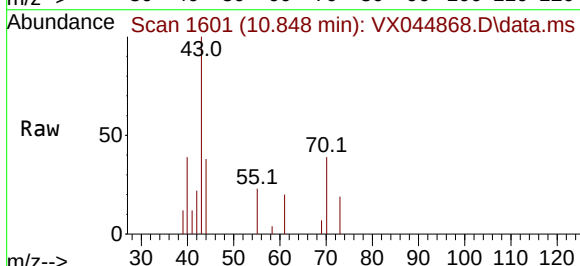
Ion Ratio Lower Upper

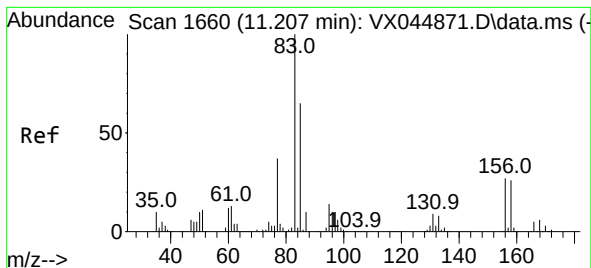
43 100

70 38.8 33.7 50.5

55 25.2 18.6 27.8

61 21.6 19.1 28.7

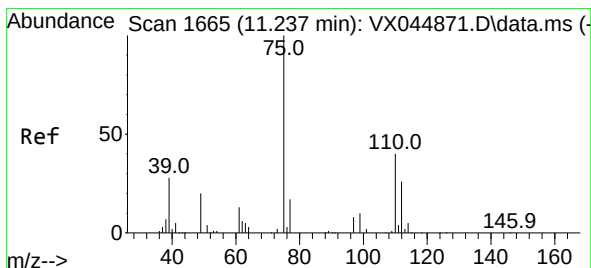
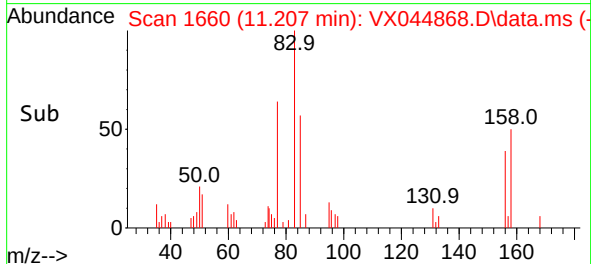
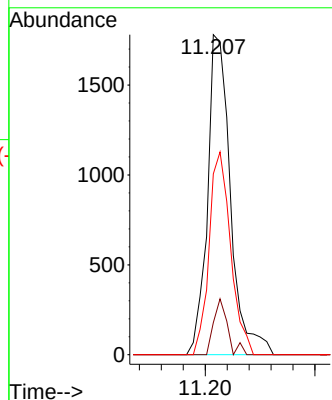
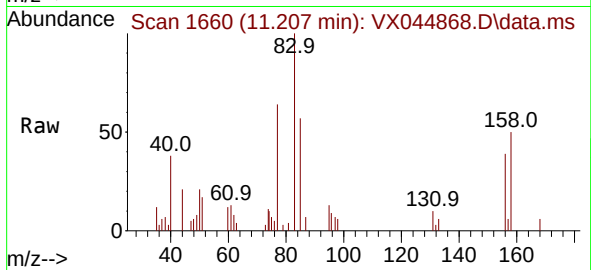




#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.033 ug/l
 RT: 11.207 min Scan# 1660
 Delta R.T. 0.000 min
 Lab File: VX044868.D
 Acq: 10 Feb 2025 10:25

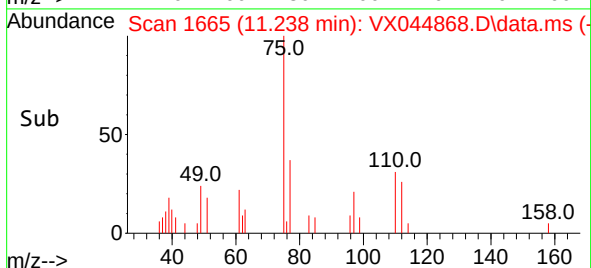
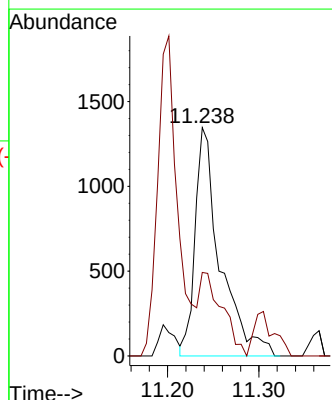
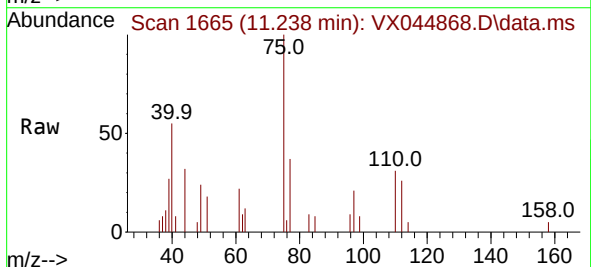
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

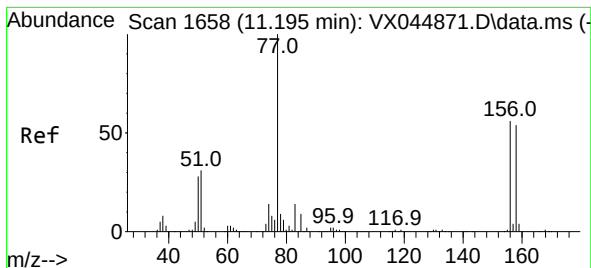
Tgt Ion: 83 Resp: 2594
 Ion Ratio Lower Upper
 83 100
 131 10.5 4.5 13.5
 85 59.2 32.3 96.8



#76
 1,2,3-Trichloropropane
 Concen: 1.276 ug/l
 RT: 11.238 min Scan# 1665
 Delta R.T. 0.000 min
 Lab File: VX044868.D
 Acq: 10 Feb 2025 10:25

Tgt Ion: 75 Resp: 2567
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.9 65.7





#77

Bromobenzene

Concen: 0.928 ug/l

RT: 11.201 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

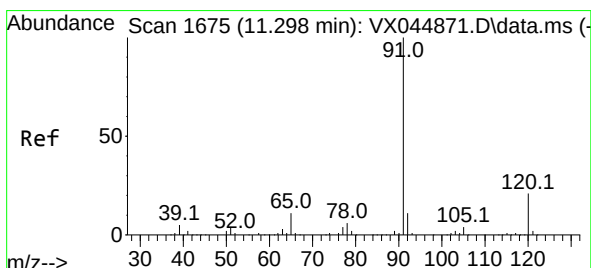
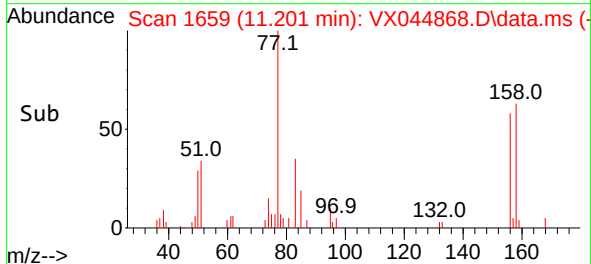
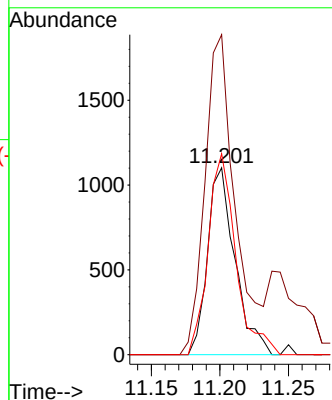
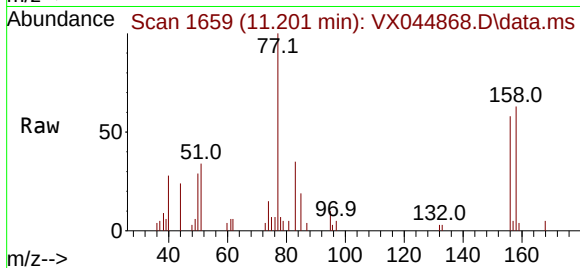
Tgt Ion:156 Resp: 1537

Ion Ratio Lower Upper

156 100

77 188.7 88.4 265.3

158 108.6 48.4 145.2



#78

n-propylbenzene

Concen: 0.871 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.007 min

Lab File: VX044868.D

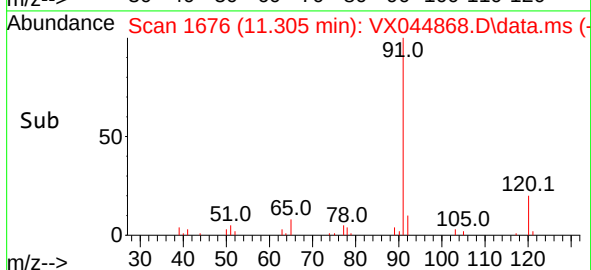
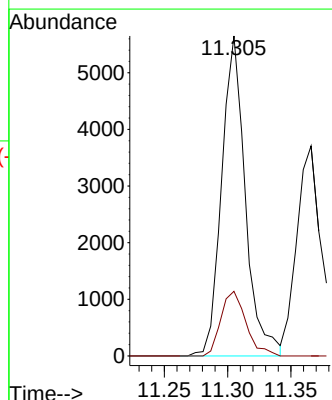
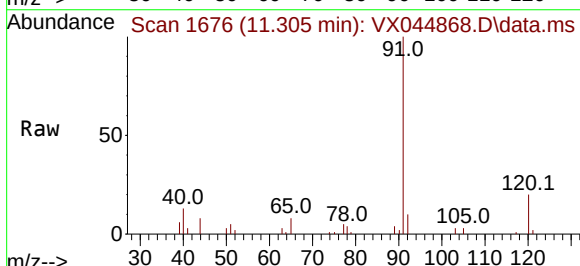
Acq: 10 Feb 2025 10:25

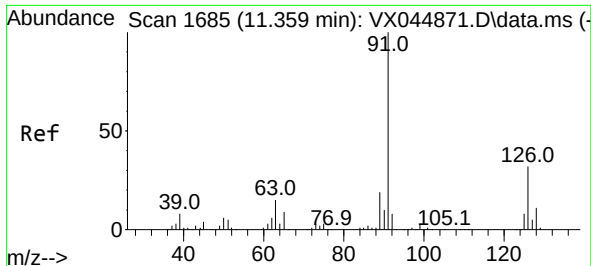
Tgt Ion: 91 Resp: 7347

Ion Ratio Lower Upper

91 100

120 21.4 11.1 33.3





#79

2-Chlorotoluene

Concen: 1.001 ug/l

RT: 11.366 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

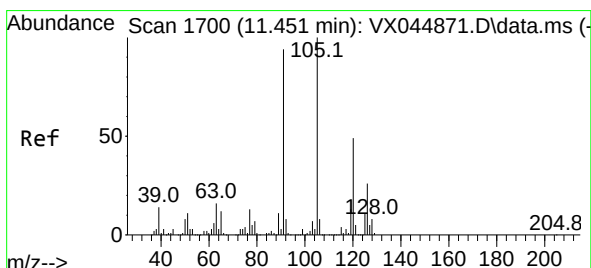
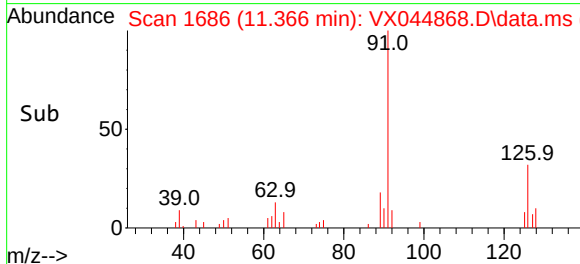
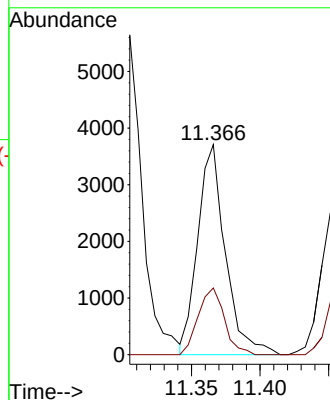
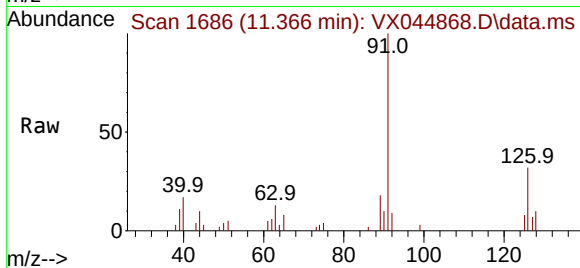
VSTDIC001

Tgt Ion: 91 Resp: 5188

Ion Ratio Lower Upper

91 100

126 30.1 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 0.913 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044868.D

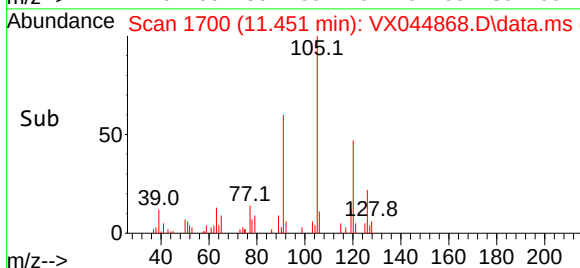
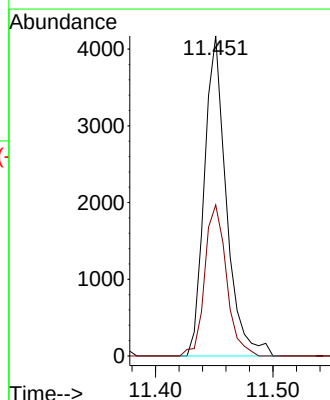
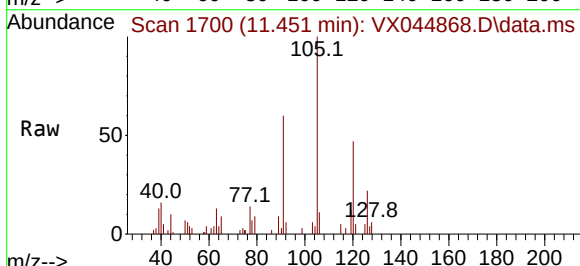
Acq: 10 Feb 2025 10:25

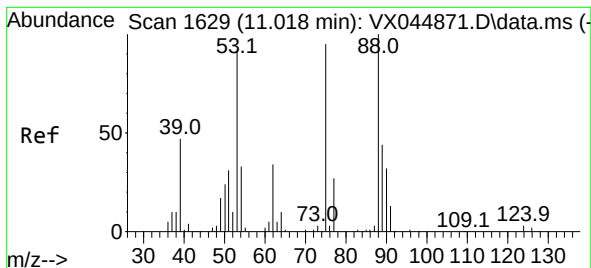
Tgt Ion: 105 Resp: 5410

Ion Ratio Lower Upper

105 100

120 46.7 24.0 72.0

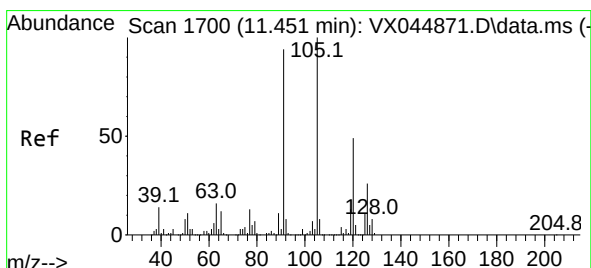
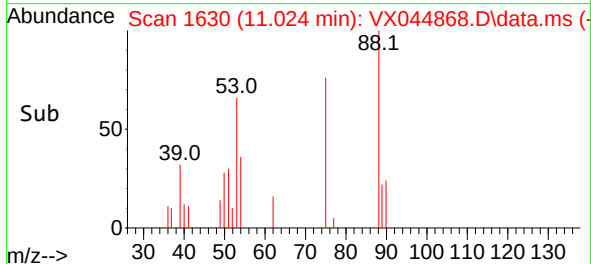
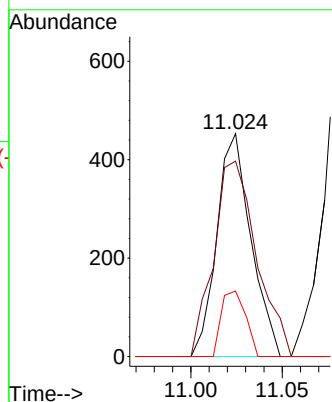
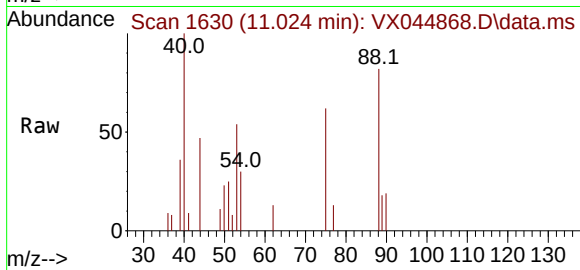




#81
trans-1,4-Dichloro-2-butene
Concen: 0.751 ug/l
RT: 11.024 min Scan# 1630
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

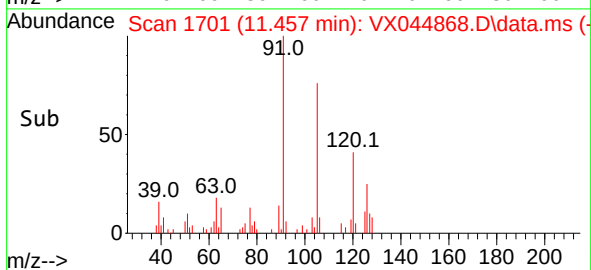
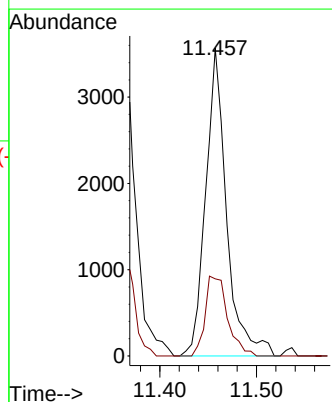
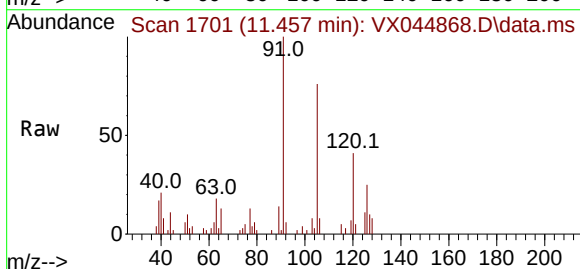
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

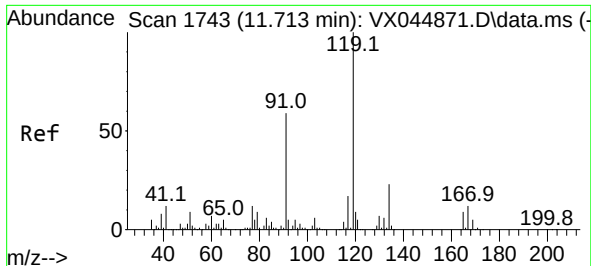
Tgt Ion: 75 Resp: 587
Ion Ratio Lower Upper
75 100
53 110.1 78.0 117.0
89 21.0 36.6 54.8#



#82
4-Chlorotoluene
Concen: 0.936 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX044868.D
Acq: 10 Feb 2025 10:25

Tgt Ion: 91 Resp: 5367
Ion Ratio Lower Upper
91 100
126 27.7 14.2 42.6

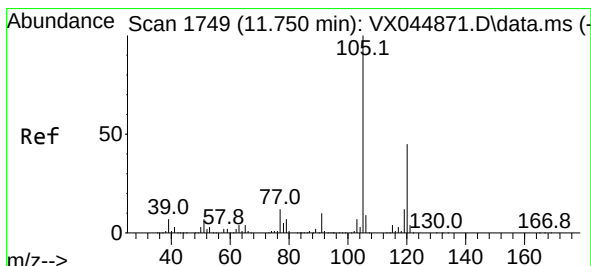
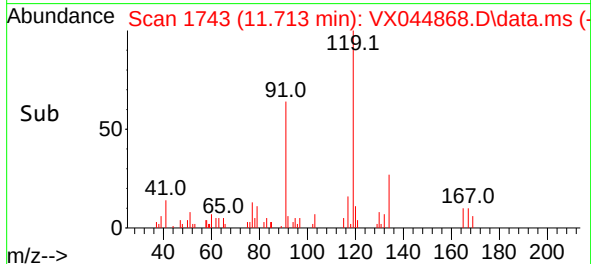
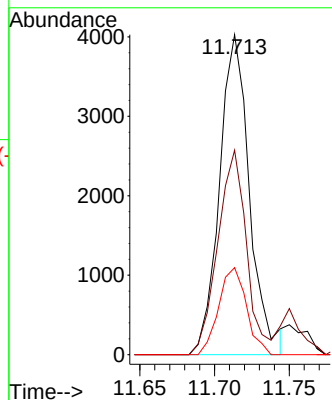
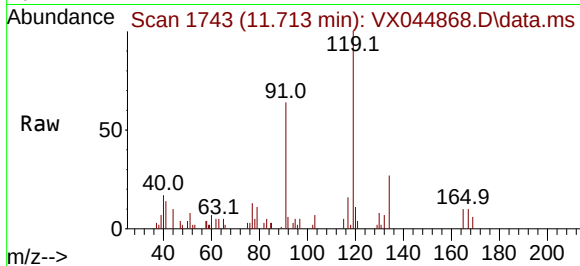




#83
 tert-Butylbenzene
 Concen: 0.937 ug/l
 RT: 11.713 min Scan# 1743
 Delta R.T. 0.000 min
 Lab File: VX044868.D
 Acq: 10 Feb 2025 10:25

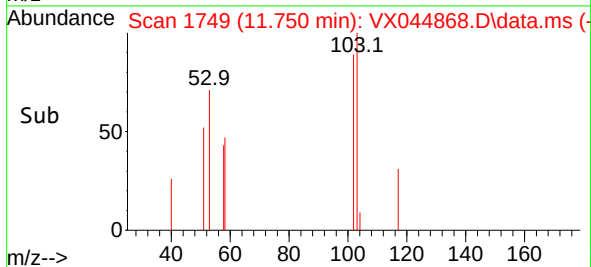
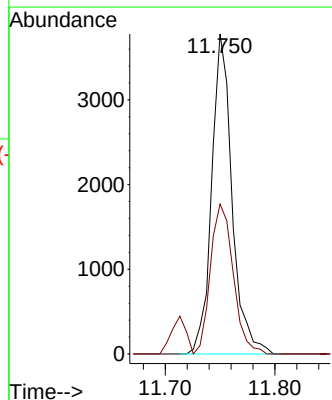
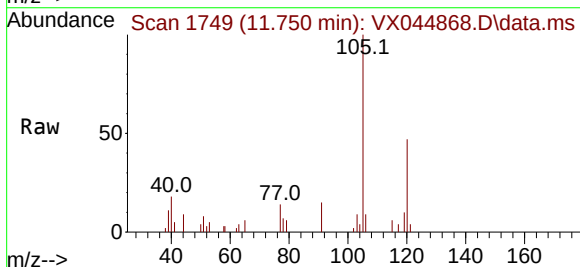
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

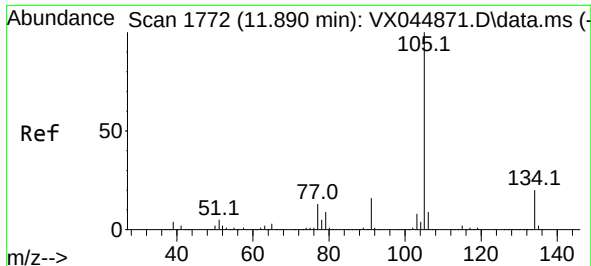
Tgt Ion:119	Resp:	5620
Ion	Ratio	Lower Upper
119	100	
91	61.3	29.1 87.4
134	25.2	11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 0.833 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX044868.D
 Acq: 10 Feb 2025 10:25

Tgt Ion:105	Resp:	4876
Ion	Ratio	Lower Upper
105	100	
120	52.4	22.4 67.0





#85

sec-Butylbenzene

Concen: 0.902 ug/l

RT: 11.890 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

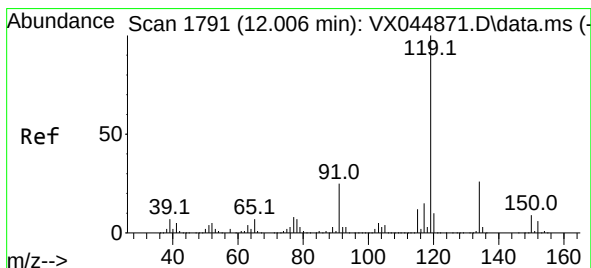
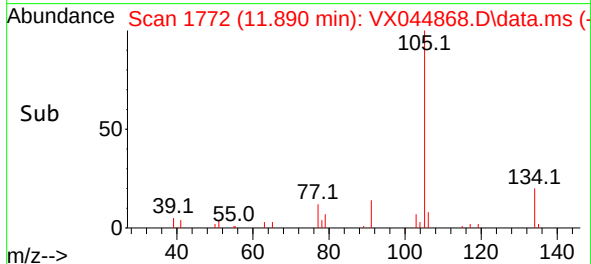
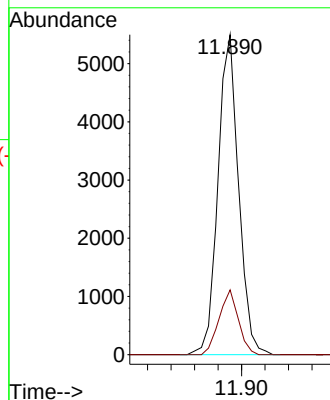
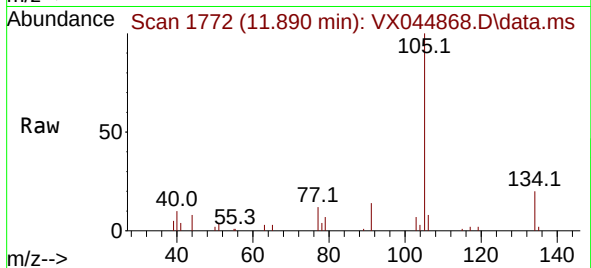
VSTDIC001

Tgt Ion:105 Resp: 6700

Ion Ratio Lower Upper

105 100

134 19.0 9.8 29.3



#86

p-Isopropyltoluene

Concen: 0.864 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

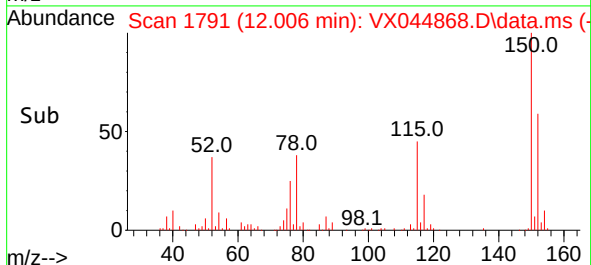
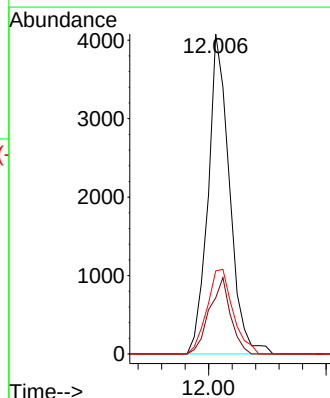
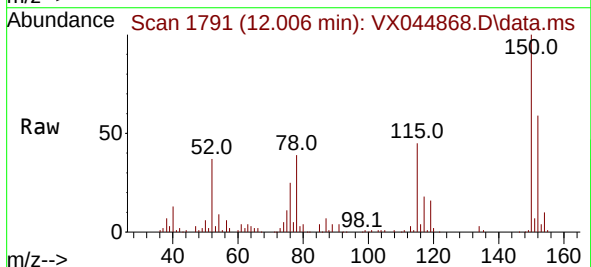
Tgt Ion:119 Resp: 5161

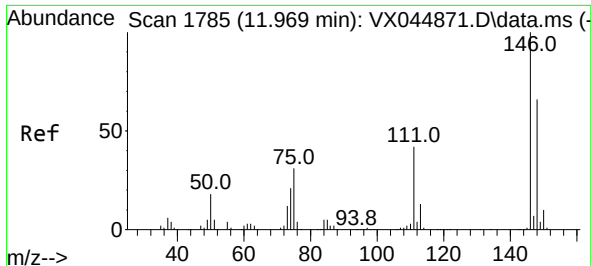
Ion Ratio Lower Upper

119 100

134 23.4 13.0 38.9

91 32.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 0.963 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

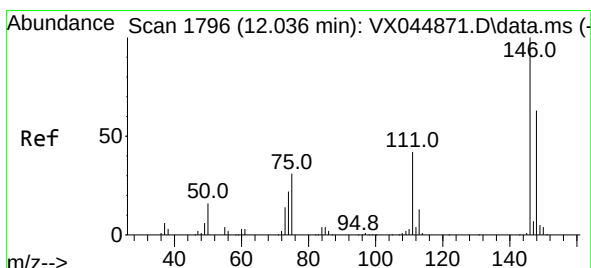
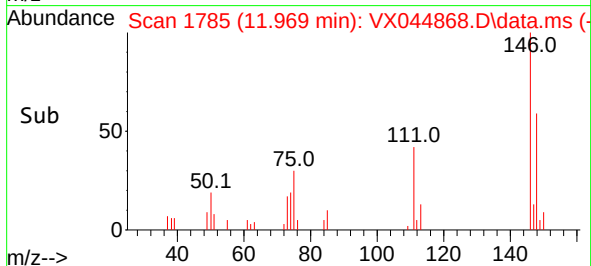
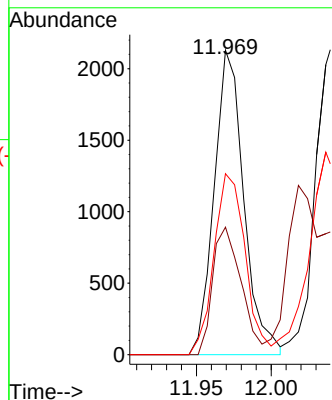
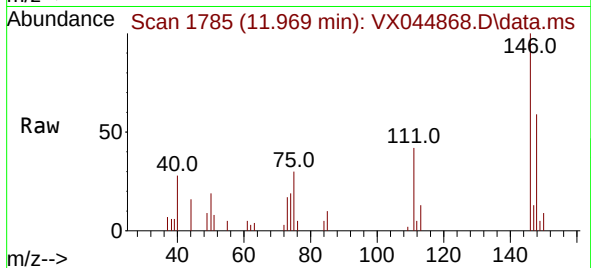
Tgt Ion:146 Resp: 2933

Ion Ratio Lower Upper

146 100

111 40.4 21.2 63.6

148 62.8 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 0.952 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.067 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

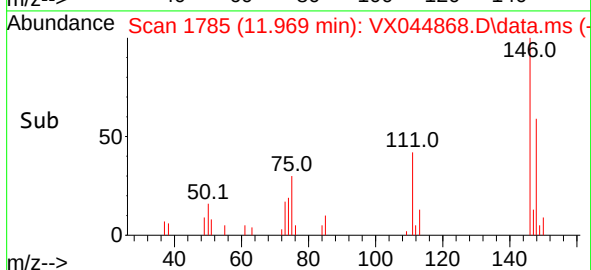
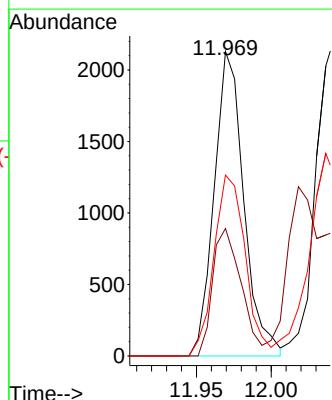
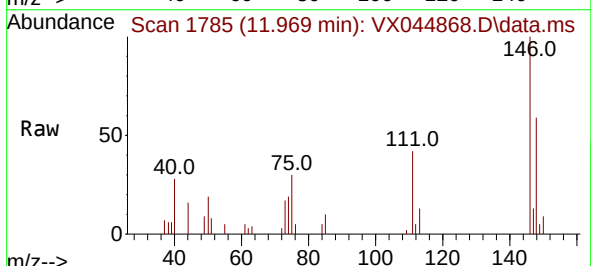
Tgt Ion:146 Resp: 2933

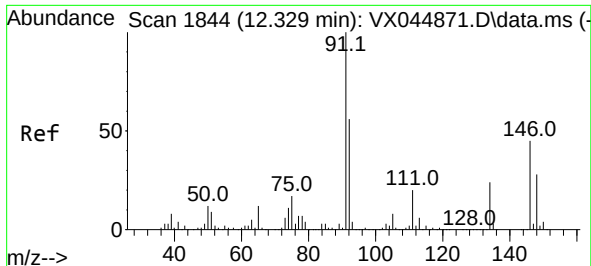
Ion Ratio Lower Upper

146 100

111 40.4 20.4 61.3

148 62.8 32.0 96.0





#89

n-Butylbenzene

Concen: 0.734 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

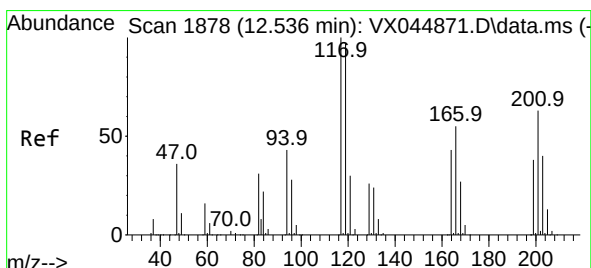
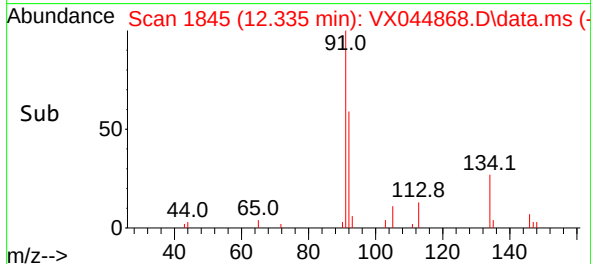
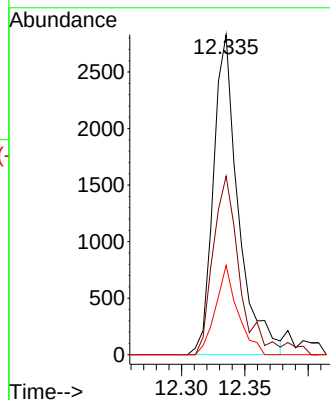
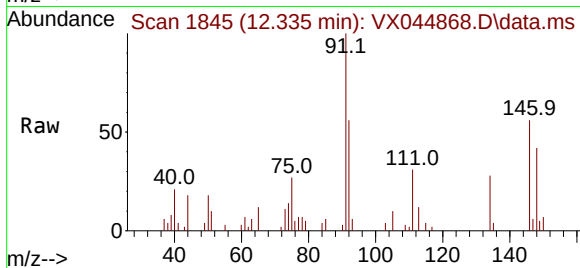
Tgt Ion: 91 Resp: 3880

Ion Ratio Lower Upper

91 100

92 60.9 27.2 81.6

134 24.8 12.1 36.3



#90

Hexachloroethane

Concen: 0.866 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044868.D

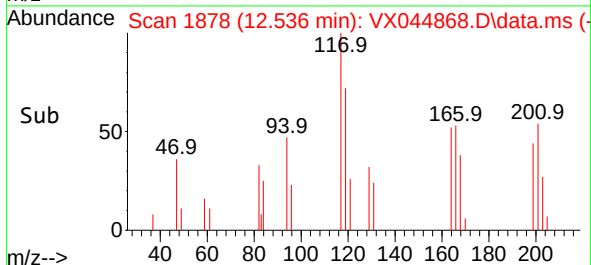
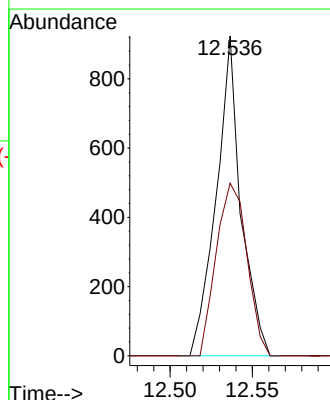
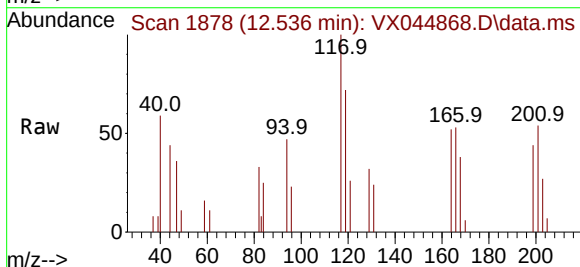
Acq: 10 Feb 2025 10:25

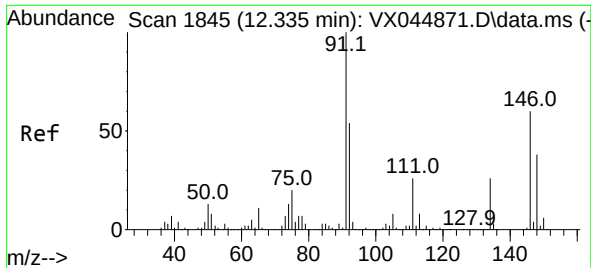
Tgt Ion: 117 Resp: 968

Ion Ratio Lower Upper

117 100

201 66.8 32.5 97.5





#91

1,2-Dichlorobenzene

Concen: 0.917 ug/l

RT: 12.341 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

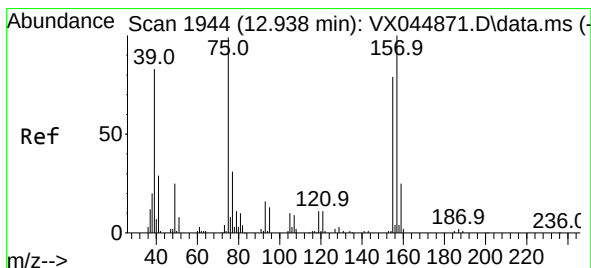
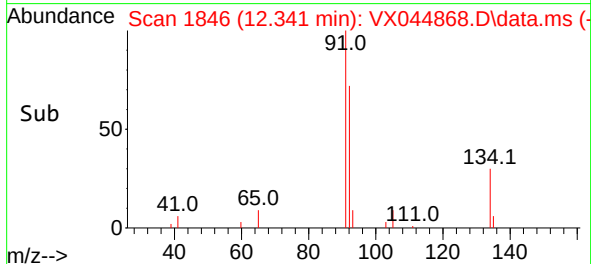
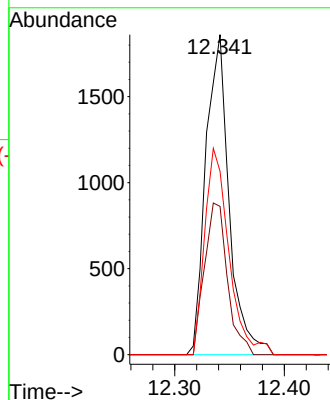
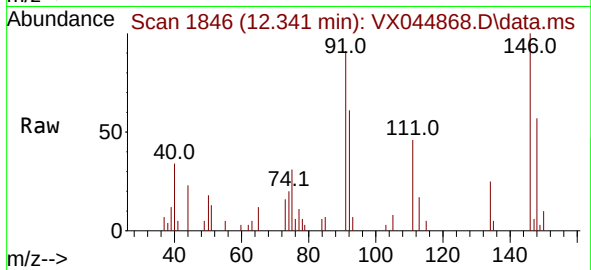
Tgt Ion:146 Resp: 2744

Ion Ratio Lower Upper

146 100

111 46.7 21.8 65.4

148 67.2 31.9 95.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.801 ug/l

RT: 12.945 min Scan# 1945

Delta R.T. 0.006 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

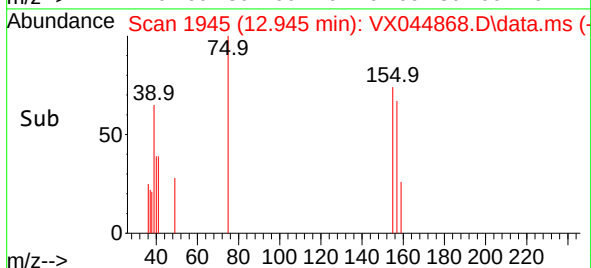
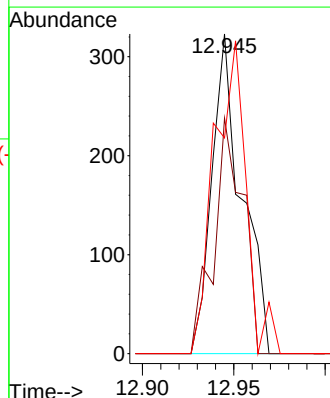
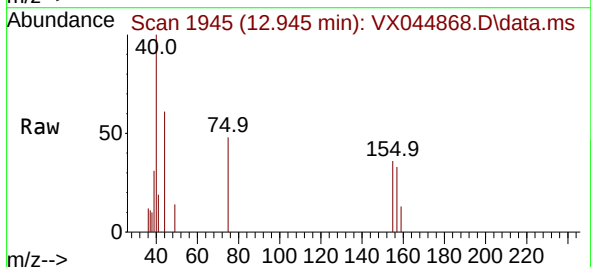
Tgt Ion: 75 Resp: 367

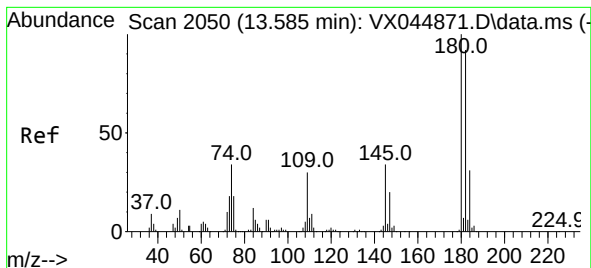
Ion Ratio Lower Upper

75 100

155 71.7 40.5 121.4

157 104.1 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 0.861 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.007 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

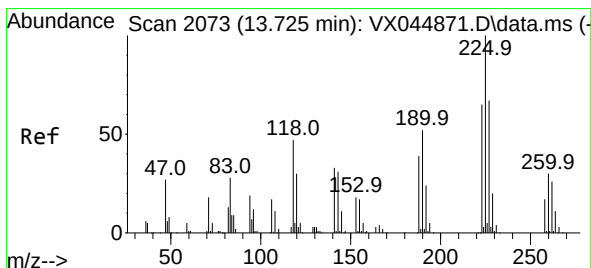
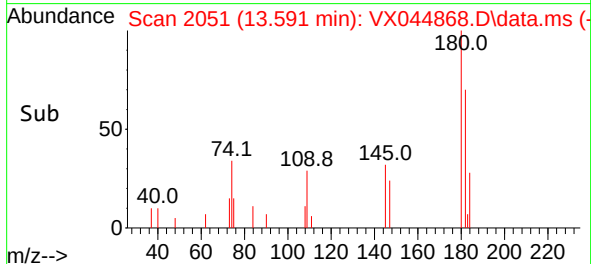
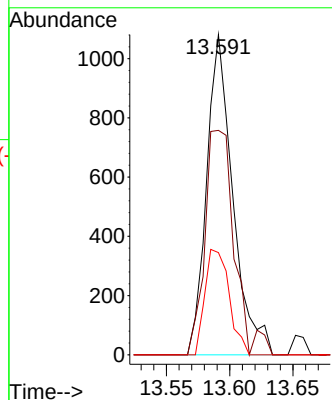
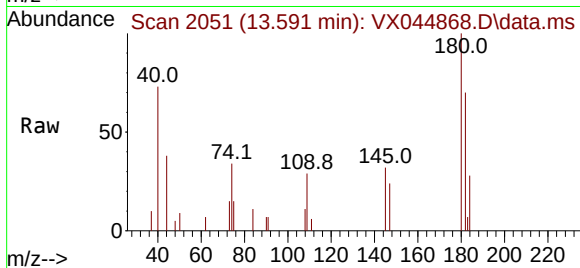
Tgt Ion:180 Resp: 1560

Ion Ratio Lower Upper

180 100

182 78.7 47.6 142.8

145 30.4 16.4 49.1



#94

Hexachlorobutadiene

Concen: 0.966 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

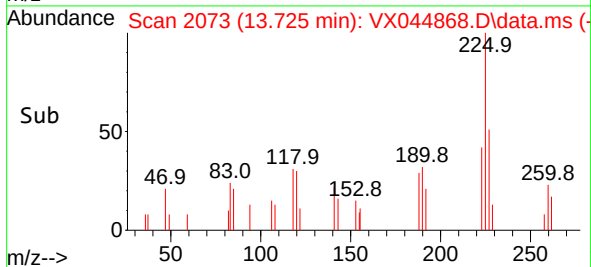
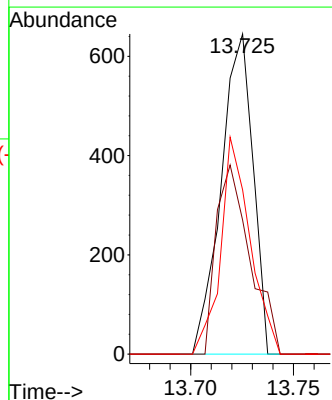
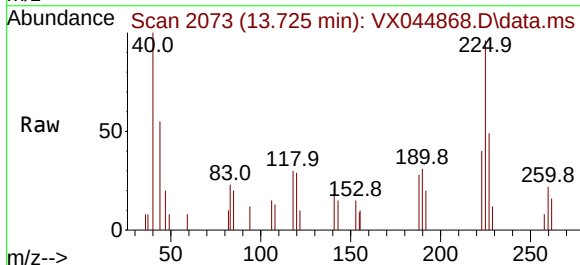
Tgt Ion:225 Resp: 695

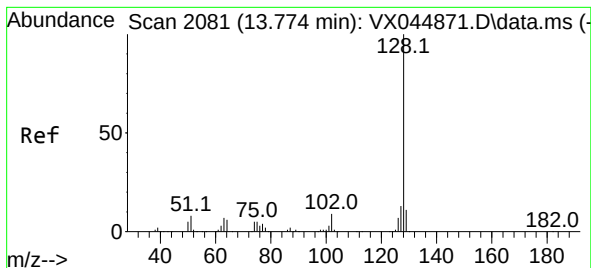
Ion Ratio Lower Upper

225 100

223 63.2 31.4 94.2

227 62.6 32.3 96.8





#95

Naphthalene

Concen: 0.783 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.007 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

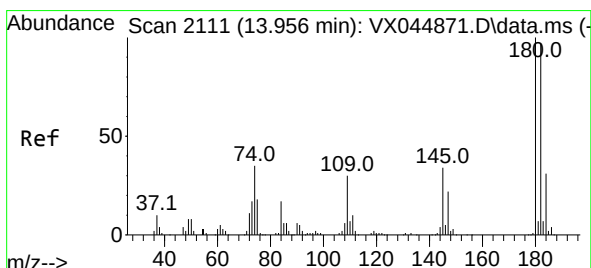
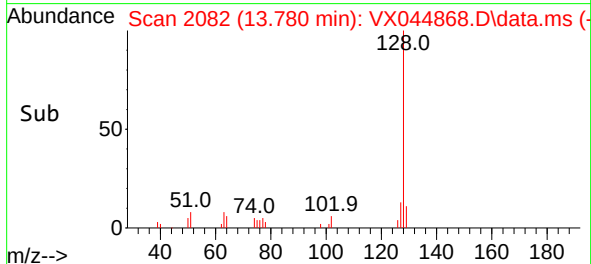
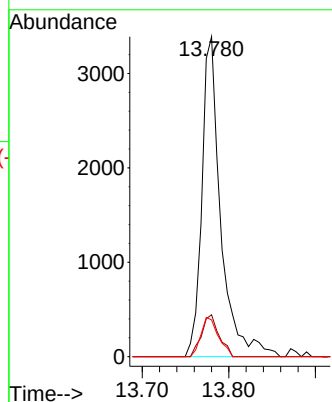
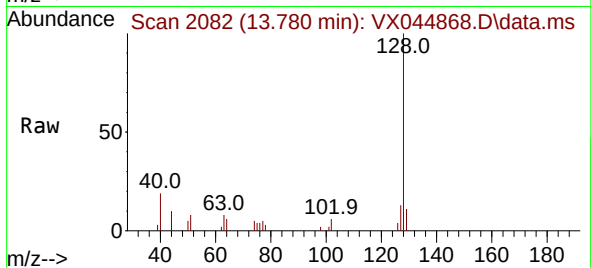
Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tgt Ion:128	Resp:	5125
Ion	Ratio	Lower Upper
128	100	
127	12.2	10.1 15.1
129	11.3	8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 0.853 ug/l

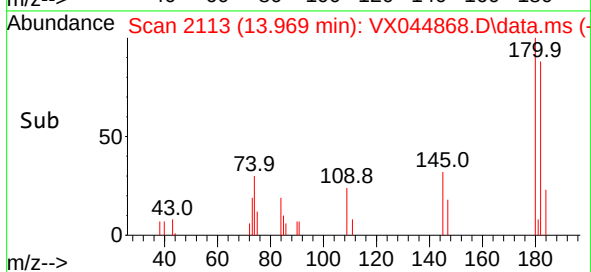
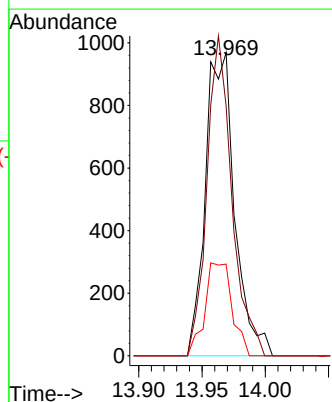
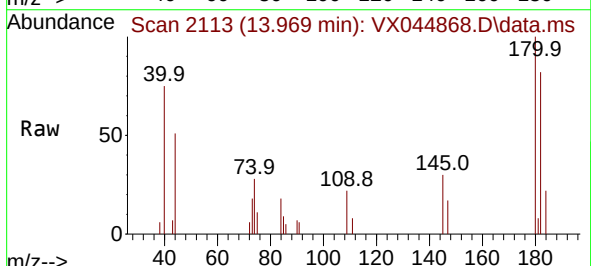
RT: 13.969 min Scan# 2113

Delta R.T. 0.013 min

Lab File: VX044868.D

Acq: 10 Feb 2025 10:25

Tgt Ion:180	Resp:	1557
Ion	Ratio	Lower Upper
180	100	
182	90.0	47.9 143.6
145	28.5	17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\X021025\
 Data File : VX044869.D
 Acq On : 10 Feb 2025 10:48
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Feb 11 01:59:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	136105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	253314	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	218625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	95494	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	10397	5.219	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	10.440%#
35) Dibromofluoromethane	5.385	113	8482	5.150	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	10.300%#
50) Toluene-d8	8.647	98	31381	5.039	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	10.080%#
62) 4-Bromofluorobenzene	11.079	95	10229	4.872	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	9.740%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	9109	4.772	ug/l	94
3) Chloromethane	1.301	50	11711	5.041	ug/l	97
4) Vinyl Chloride	1.374	62	11509	5.113	ug/l	94
5) Bromomethane	1.593	94	3371	5.005	ug/l	89
6) Chloroethane	1.660	64	4436	5.565	ug/l	99
7) Trichlorofluoromethane	1.868	101	14506	5.096	ug/l	100
8) Diethyl Ether	2.136	74	5062	4.904	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.319	101	8805	5.120	ug/l	98
10) Methyl Iodide	2.447	142	10233	4.591	ug/l	99
11) Tert butyl alcohol	2.983	59	10044	27.175	ug/l	100
12) 1,1-Dichloroethene	2.307	96	8692	4.955	ug/l	95
13) Acrolein	2.239	56	9750	25.567	ug/l	98
14) Allyl chloride	2.660	41	15649	4.936	ug/l	98
15) Acrylonitrile	3.062	53	24101	24.422	ug/l	98
16) Acetone	2.386	43	19877	24.817	ug/l	99
17) Carbon Disulfide	2.502	76	23568	4.899	ug/l	98
18) Methyl Acetate	2.703	43	12257	4.850	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	28100	5.034	ug/l	99
20) Methylene Chloride	2.782	84	9757	4.973	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	8470	4.906	ug/l	94
22) Diisopropyl ether	3.757	45	29768	4.963	ug/l #	80
23) Vinyl Acetate	3.721	43	119108	24.358	ug/l	98
24) 1,1-Dichloroethane	3.605	63	17113	5.099	ug/l	98
25) 2-Butanone	4.568	43	32121	24.698	ug/l	98
26) 2,2-Dichloropropane	4.459	77	13365	5.022	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	10662	5.141	ug/l	95
28) Bromochloromethane	4.898	49	7881	4.886	ug/l #	96
29) Tetrahydrofuran	5.013	42	21097	24.429	ug/l	98
30) Chloroform	5.087	83	16449	5.054	ug/l	98
31) Cyclohexane	5.464	56	15705	5.076	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	13658	4.947	ug/l	98
36) 1,1-Dichloropropene	5.684	75	11835	4.981	ug/l	98
37) Ethyl Acetate	4.721	43	13530	5.119	ug/l	99
38) Carbon Tetrachloride	5.672	117	11797	5.066	ug/l	97
39) Methylcyclohexane	7.373	83	14472	4.711	ug/l	96
40) Benzene	6.038	78	37687	5.079	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044869.D
 Acq On : 10 Feb 2025 10:48
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Quant Time: Feb 11 01:59:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	6648	4.699	ug/l	96
42) 1,2-Dichloroethane	6.086	62	11789	4.985	ug/l	100
43) Isopropyl Acetate	6.342	43	19803	4.640	ug/l	99
44) Trichloroethene	7.123	130	8614	5.079	ug/l	95
45) 1,2-Dichloropropane	7.428	63	8976	4.863	ug/l	98
46) Dibromomethane	7.586	93	6210	4.851	ug/l	95
47) Bromodichloromethane	7.818	83	12173	4.911	ug/l	94
48) Methyl methacrylate	7.702	41	9298	4.620	ug/l	98
49) 1,4-Dioxane	7.678	88	4365	101.099	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	65064	25.076	ug/l	100
52) Toluene	8.720	92	22090	4.999	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	11413	4.550	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	12943	4.628	ug/l #	88
55) 1,1,2-Trichloroethane	9.153	97	8662	5.099	ug/l	98
56) Ethyl methacrylate	9.116	69	12351	4.502	ug/l	96
57) 1,3-Dichloropropane	9.305	76	14839	4.993	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	31498	23.382	ug/l	99
59) 2-Hexanone	9.433	43	45538	24.359	ug/l	99
60) Dibromochloromethane	9.519	129	8668	4.771	ug/l	99
61) 1,2-Dibromoethane	9.610	107	8353	4.852	ug/l	96
64) Tetrachloroethene	9.269	164	6803	4.934	ug/l	95
65) Chlorobenzene	10.079	112	23903	5.090	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	7380	4.883	ug/l	97
67) Ethyl Benzene	10.189	91	40945	4.941	ug/l	97
68) m/p-Xylenes	10.299	106	30627	10.019	ug/l	100
69) o-Xylene	10.640	106	15761	5.139	ug/l	98
70) Styrene	10.653	104	24576	4.973	ug/l	99
71) Bromoform	10.799	173	5391	4.779	ug/l #	97
73) Isopropylbenzene	10.957	105	38315	4.983	ug/l	100
74) N-amyl acetate	10.842	43	16653	4.786	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	13394	5.069	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	13757	6.498	ug/l	87
77) Bromobenzene	11.195	156	8789	5.042	ug/l	97
78) n-propylbenzene	11.305	91	43923	4.949	ug/l	99
79) 2-Chlorotoluene	11.360	91	27311	5.007	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	31761	5.090	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	3303	4.013	ug/l	87
82) 4-Chlorotoluene	11.451	91	30138	4.994	ug/l	99
83) tert-Butylbenzene	11.713	119	31992	5.068	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	31053	5.042	ug/l	98
85) sec-Butylbenzene	11.890	105	38437	4.917	ug/l	98
86) p-Isopropyltoluene	12.006	119	30835	4.905	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	15935	4.971	ug/l	95
88) 1,4-Dichlorobenzene	12.036	146	16347	5.043	ug/l	95
89) n-Butylbenzene	12.329	91	25747	4.630	ug/l	97
90) Hexachloroethane	12.536	117	5620	4.775	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	16362	5.193	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2254	4.674	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	8923	4.680	ug/l	99
94) Hexachlorobutadiene	13.719	225	3595	4.750	ug/l	99
95) Naphthalene	13.774	128	32776	4.756	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	9093	4.733	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044869.D
Acq On : 10 Feb 2025 10:48
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 11 01:59:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

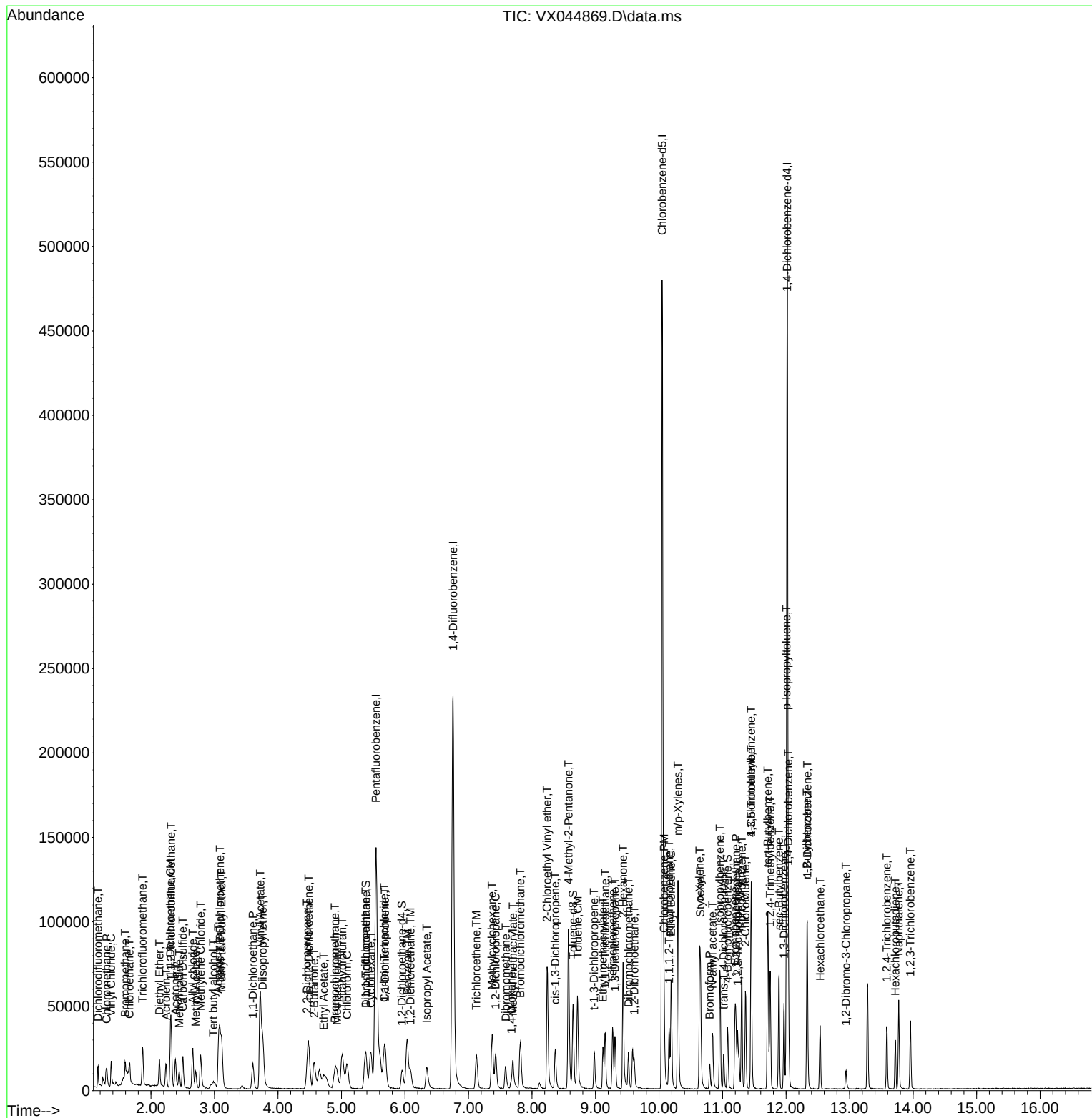
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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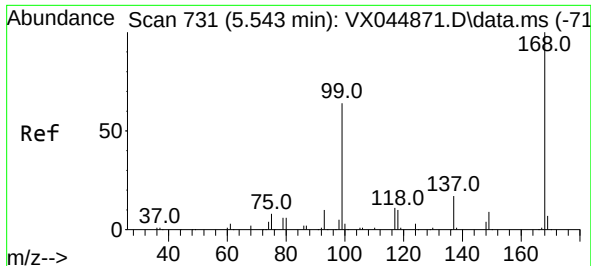
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\  
Data File : VX044869.D  
Acq On    : 10 Feb 2025  10:48  
Operator  : JC/MD  
Sample    : VSTDIC005  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 4      Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: Feb 11 01:59:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

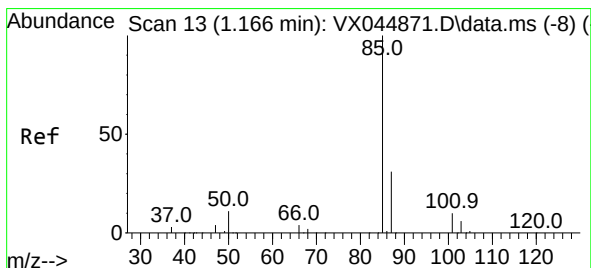
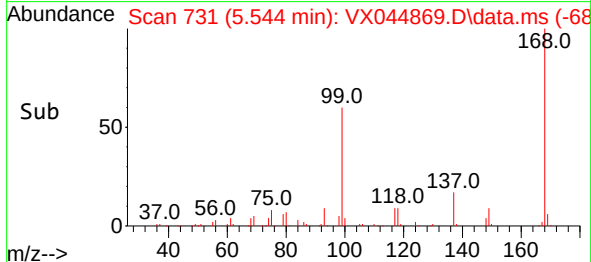
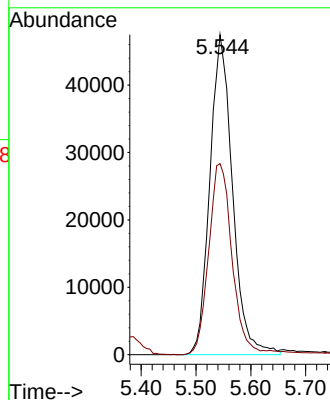
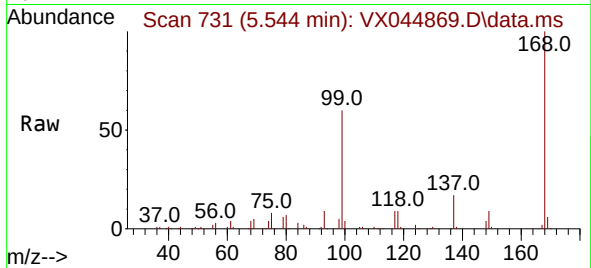




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

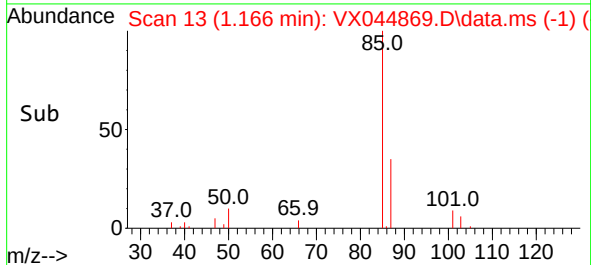
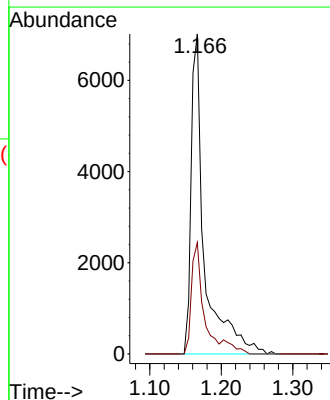
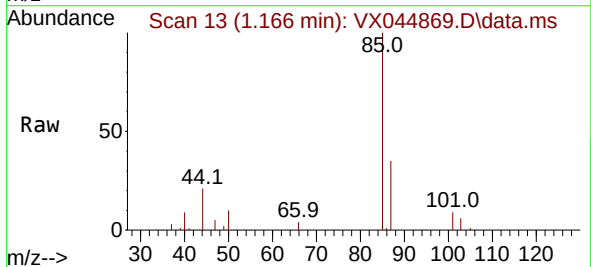
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

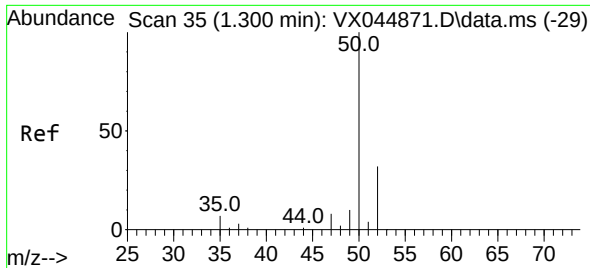
Tgt Ion:168 Resp: 136105
Ion Ratio Lower Upper
168 100
99 59.7 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 4.772 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 85 Resp: 9109
Ion Ratio Lower Upper
85 100
87 34.8 15.8 47.3

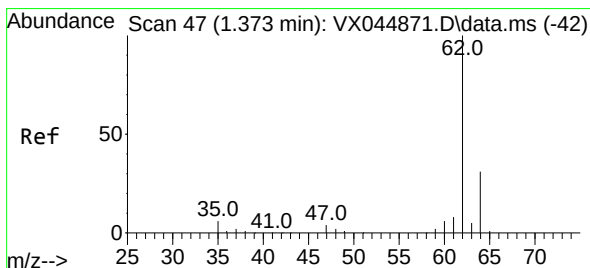
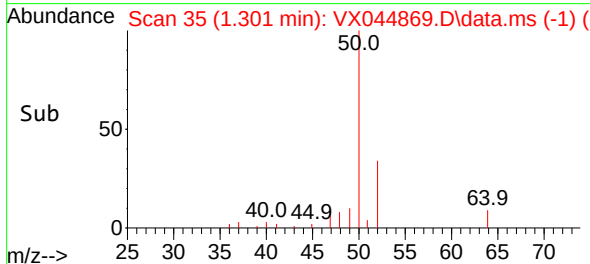
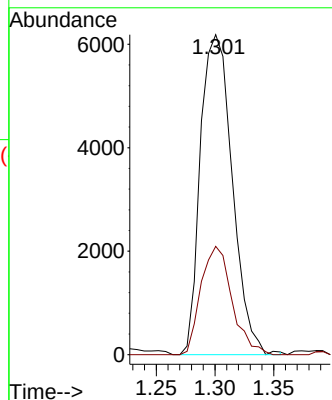
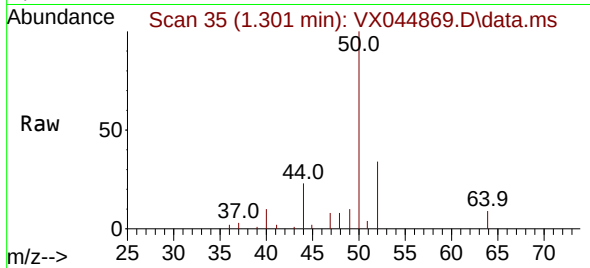




#3
Chloromethane
Concen: 5.041 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

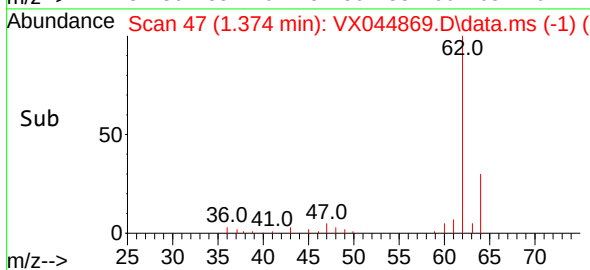
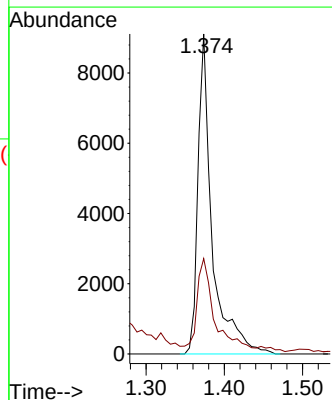
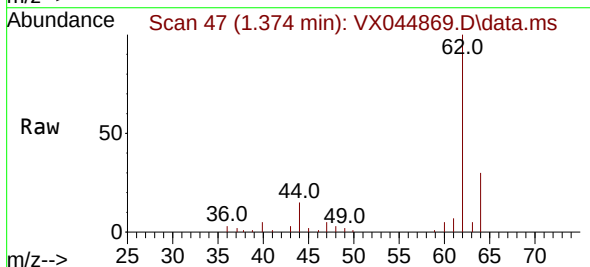
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

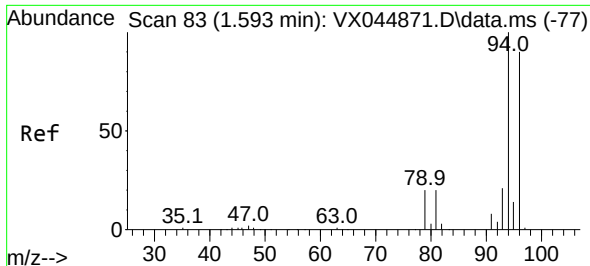
Tgt Ion: 50 Resp: 11711
Ion Ratio Lower Upper
50 100
52 33.8 25.9 38.9



#4
Vinyl Chloride
Concen: 5.113 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 62 Resp: 11509
Ion Ratio Lower Upper
62 100
64 28.4 25.4 38.0

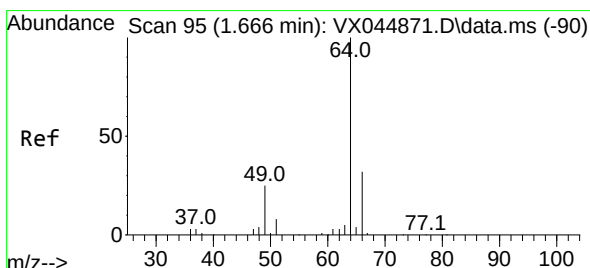
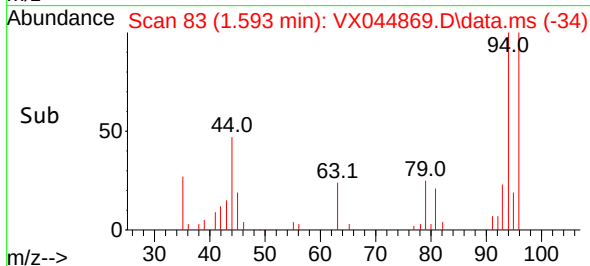
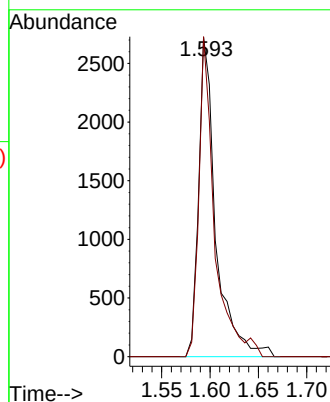
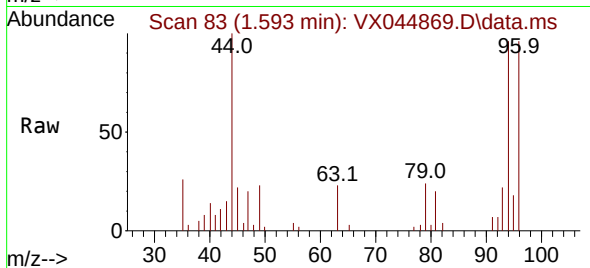




#5
Bromomethane
Concen: 5.005 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

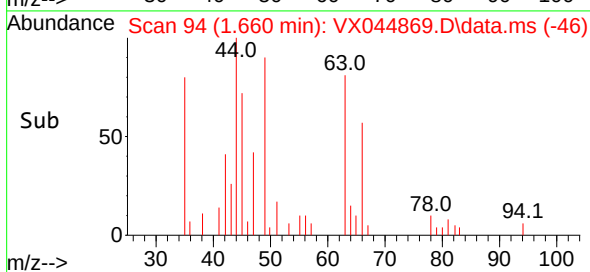
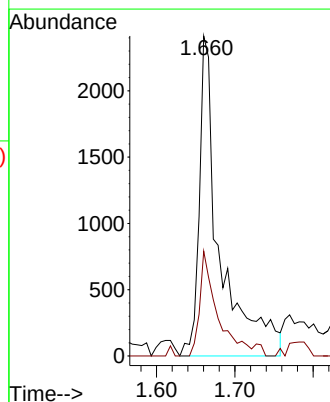
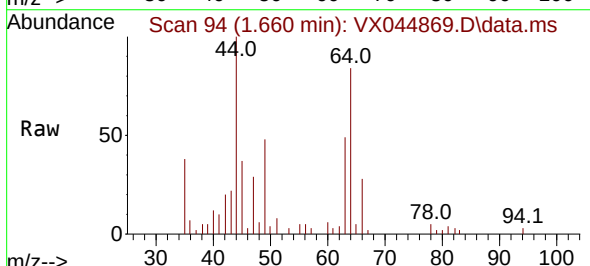
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

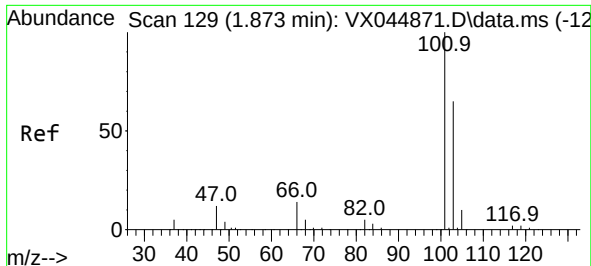
Tgt Ion: 94 Resp: 3371
Ion Ratio Lower Upper
94 100
96 100.2 71.6 107.4



#6
Chloroethane
Concen: 5.565 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 64 Resp: 4436
Ion Ratio Lower Upper
64 100
66 32.8 25.9 38.9

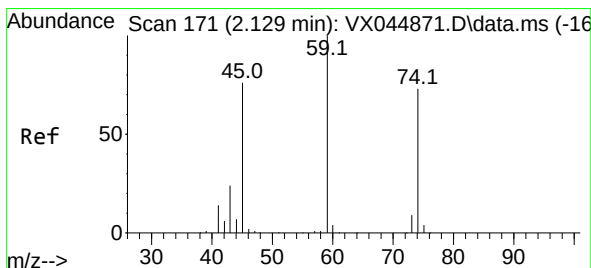
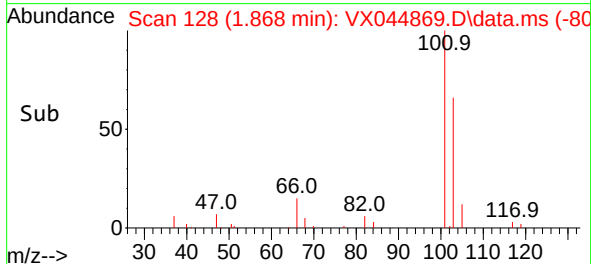
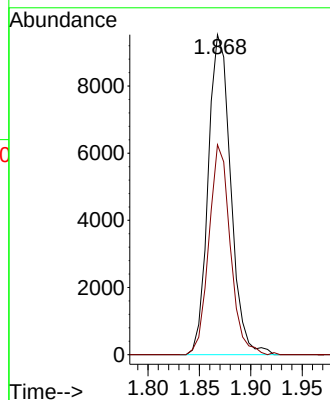
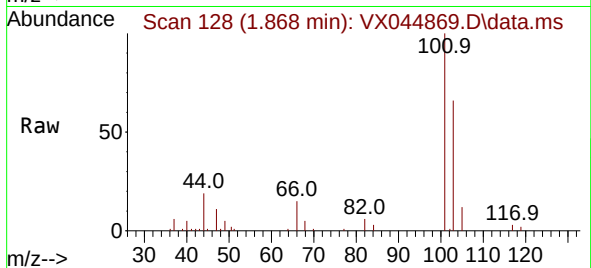




#7
Trichlorofluoromethane
Concen: 5.096 ug/l
RT: 1.868 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

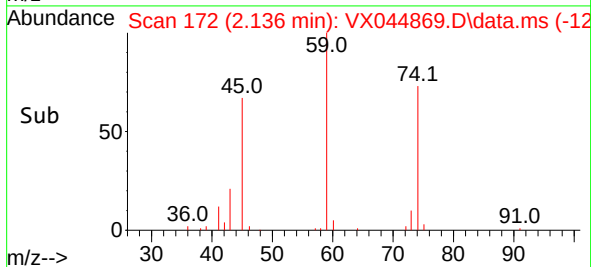
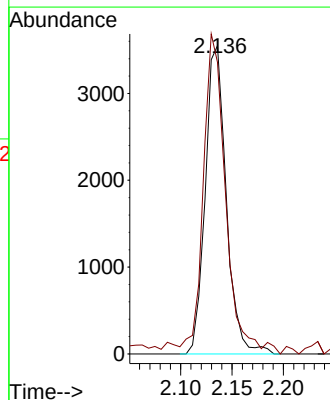
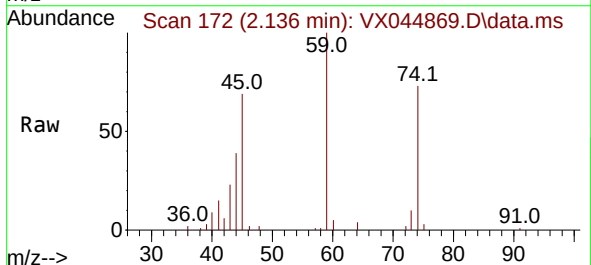
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

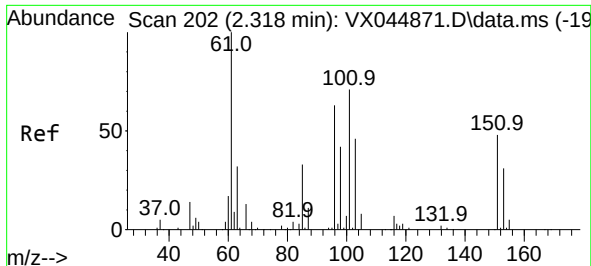
Tgt Ion:101 Resp: 14506
Ion Ratio Lower Upper
101 100
103 65.6 52.4 78.6



#8
Diethyl Ether
Concen: 4.904 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 74 Resp: 5062
Ion Ratio Lower Upper
74 100
45 112.2 51.1 153.4

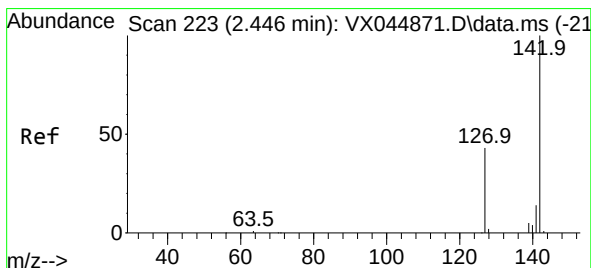
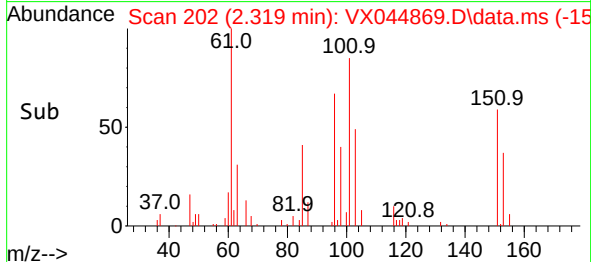
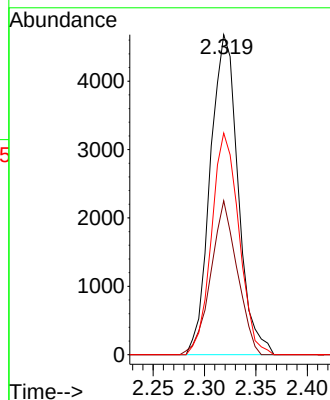
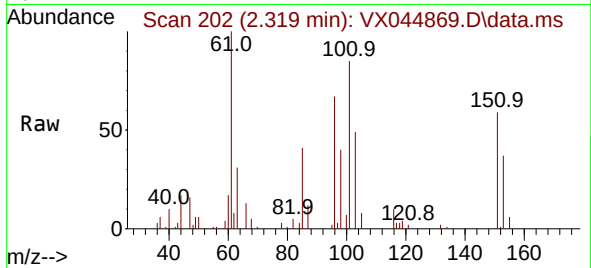




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.120 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

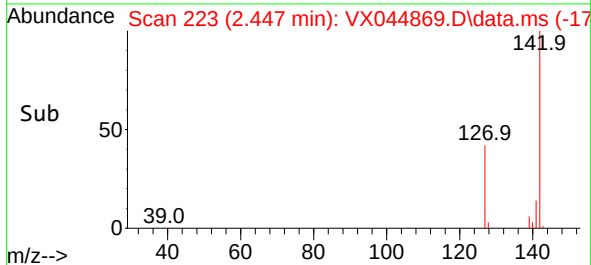
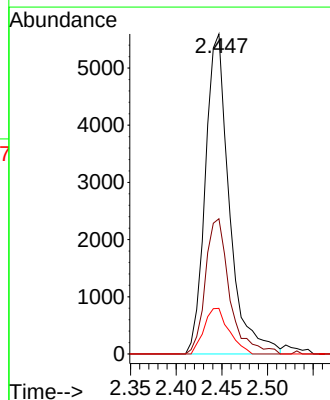
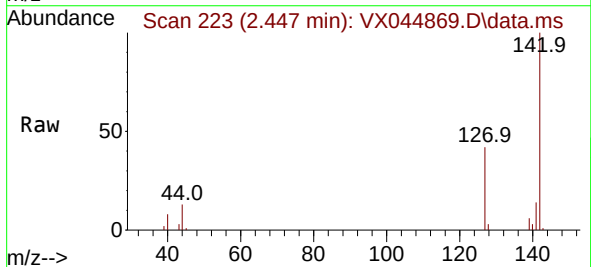
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

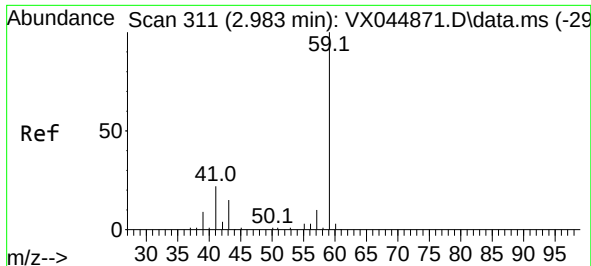
Tgt Ion:101	Resp:	8805
Ion	Ratio	Lower Upper
101	100	
85	45.5	35.7 53.5
151	68.3	56.0 84.0



#10
Methyl Iodide
Concen: 4.591 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:142	Resp:	10233
Ion	Ratio	Lower Upper
142	100	
127	42.7	34.3 51.5
141	14.8	11.4 17.2

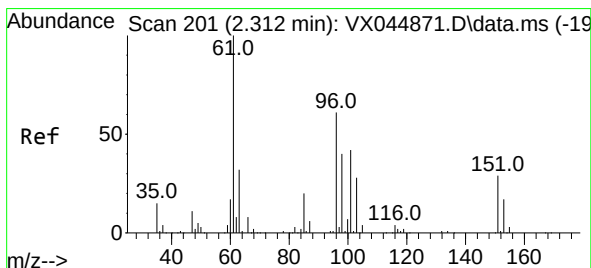
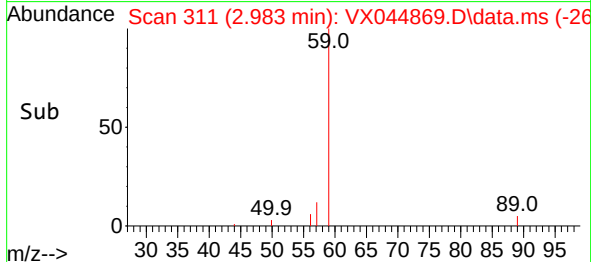
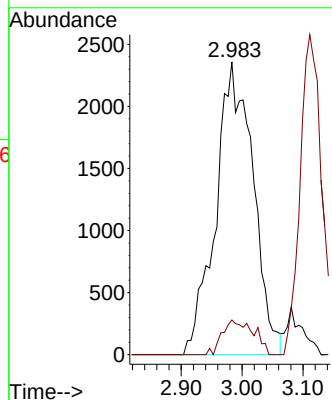
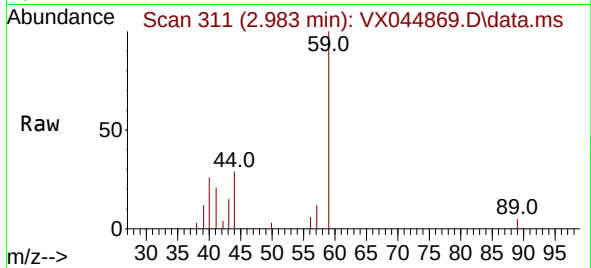




#11
Tert butyl alcohol
Concen: 27.175 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

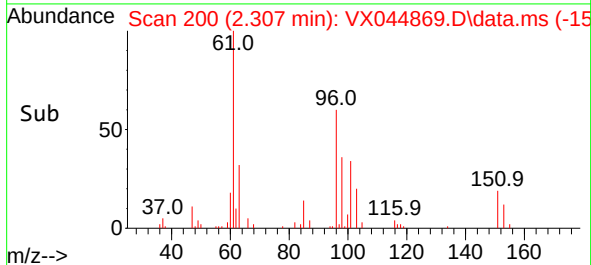
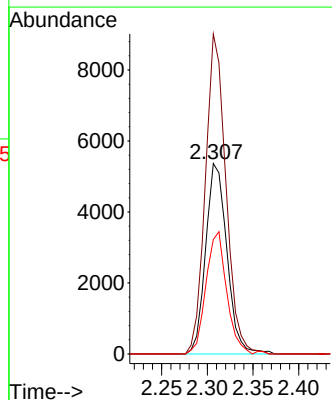
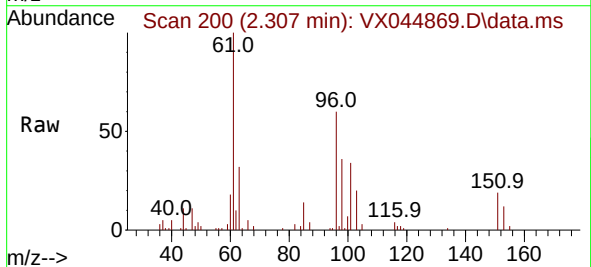
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

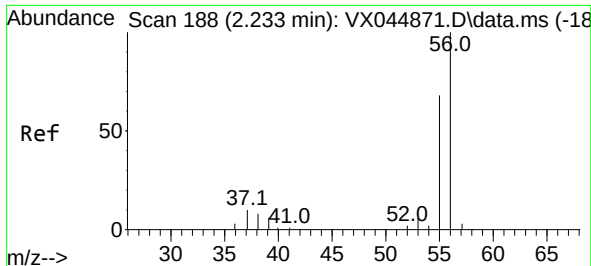
Tgt Ion: 59 Resp: 10044
Ion Ratio Lower Upper
59 100
57 9.9 8.1 12.1



#12
1,1-Dichloroethene
Concen: 4.955 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 96 Resp: 8692
Ion Ratio Lower Upper
96 100
61 168.0 130.2 195.4
98 60.1 52.2 78.4

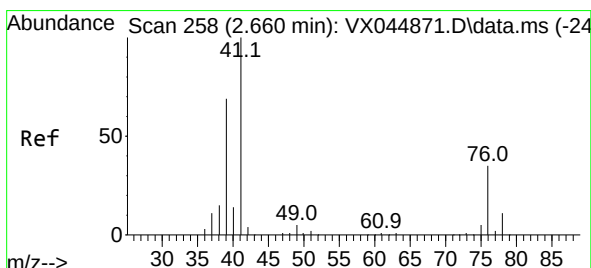
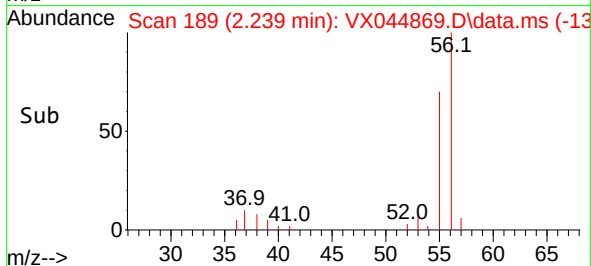
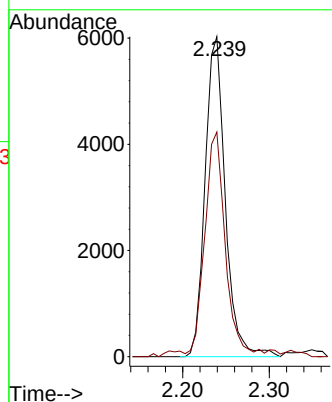
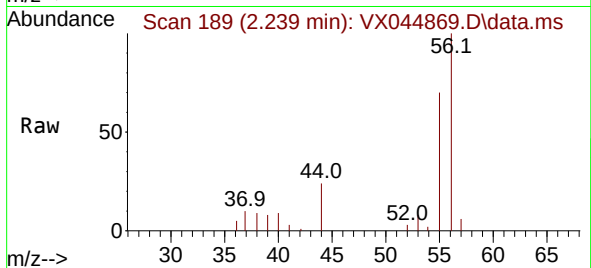




#13
Acrolein
Concen: 25.567 ug/l
RT: 2.239 min Scan# 188
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

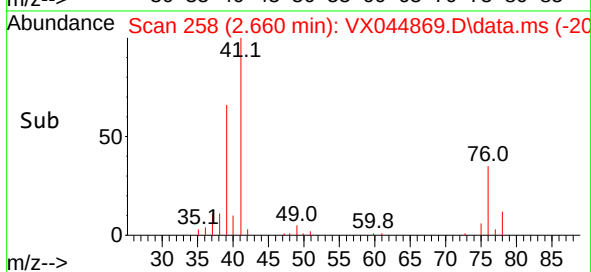
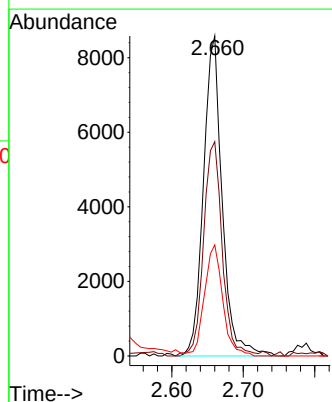
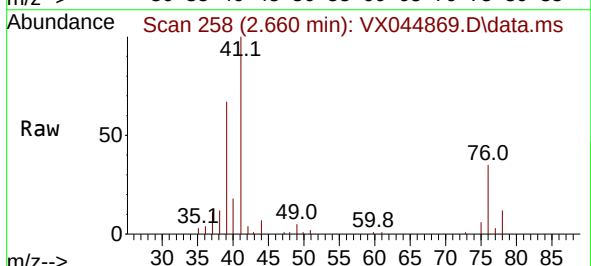
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

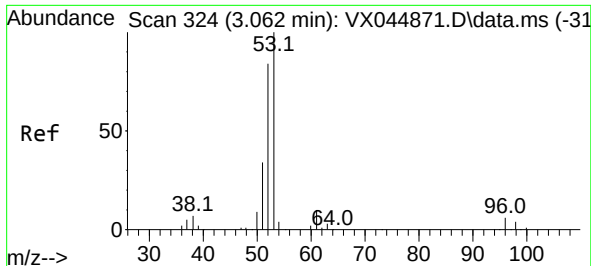
Tgt Ion: 56 Resp: 9750
Ion Ratio Lower Upper
56 100
55 71.6 55.7 83.5



#14
Allyl chloride
Concen: 4.936 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 41 Resp: 15649
Ion Ratio Lower Upper
41 100
39 66.7 51.4 77.2
76 33.9 27.0 40.4

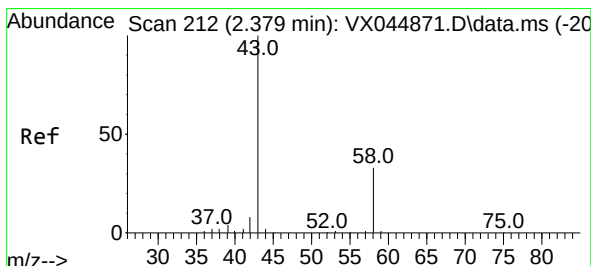
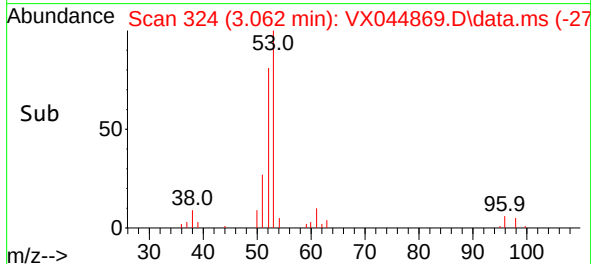
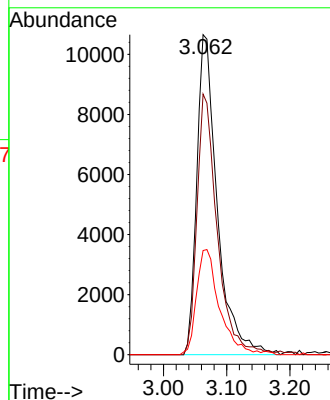
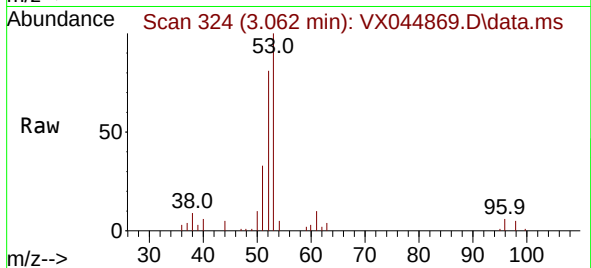




#15
Acrylonitrile
Concen: 24.422 ug/l
RT: 3.062 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

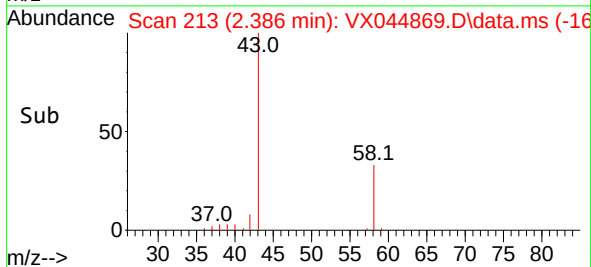
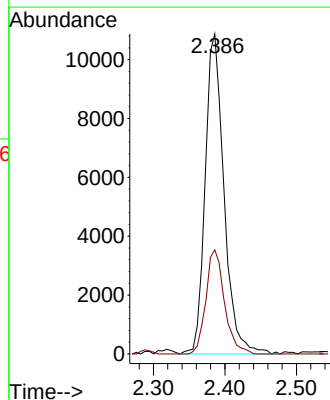
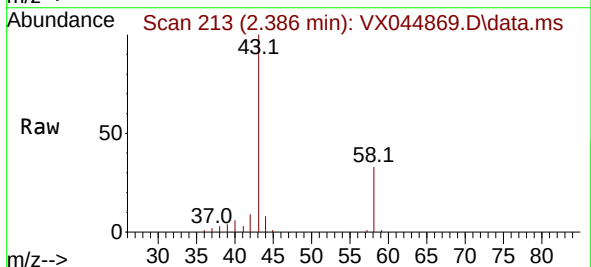
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

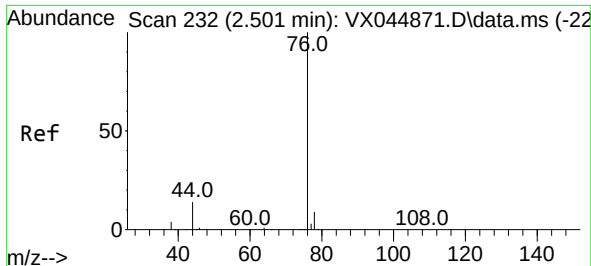
Tgt Ion: 53	Resp: 24101
Ion Ratio	Lower Upper
53 100	
52 80.3	65.0 97.6
51 36.6	28.0 42.0



#16
Acetone
Concen: 24.817 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

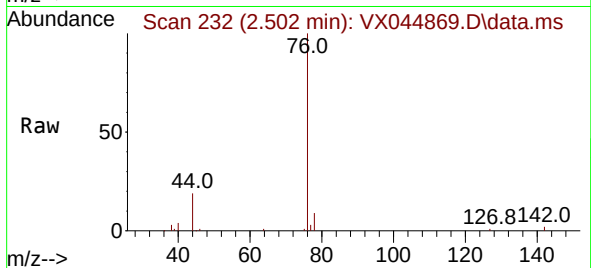
Tgt Ion: 43	Resp: 19877
Ion Ratio	Lower Upper
43 100	
58 32.6	26.5 39.7



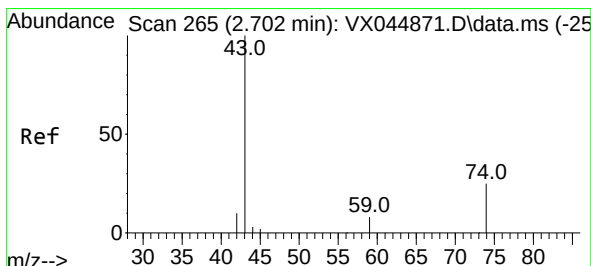
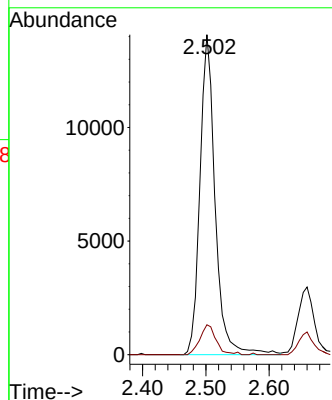
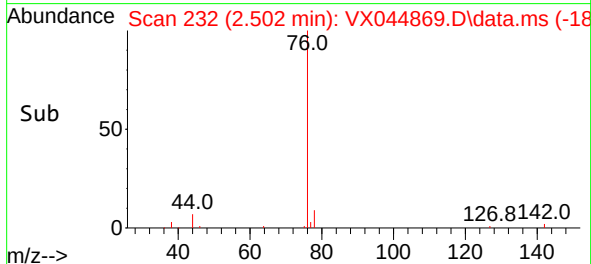


#17
Carbon Disulfide
Concen: 4.899 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

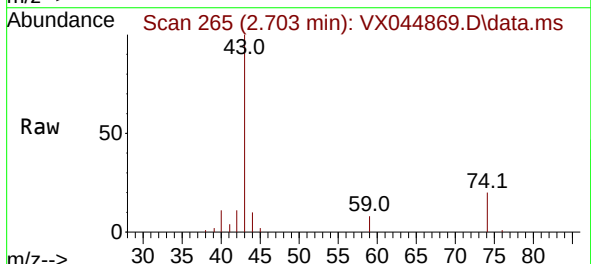
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



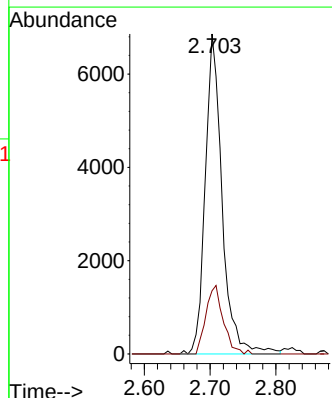
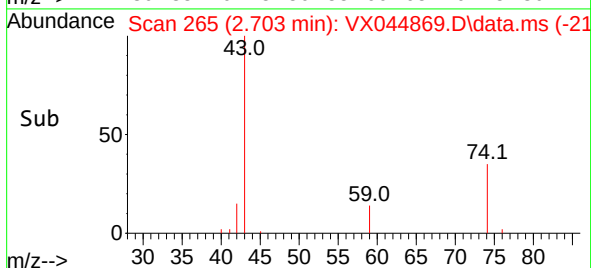
Tgt Ion: 76 Resp: 23568
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.4

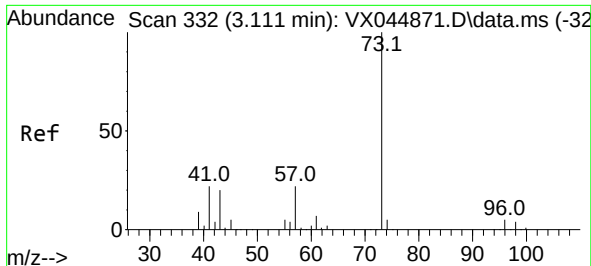


#18
Methyl Acetate
Concen: 4.850 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48



Tgt Ion: 43 Resp: 12257
Ion Ratio Lower Upper
43 100
74 22.0 18.9 28.3

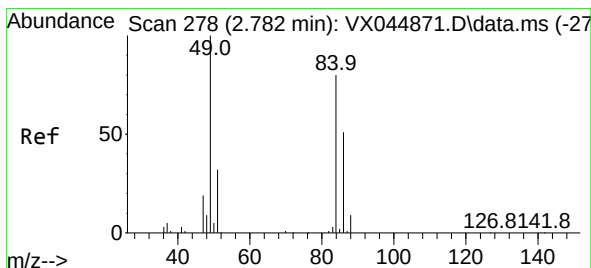
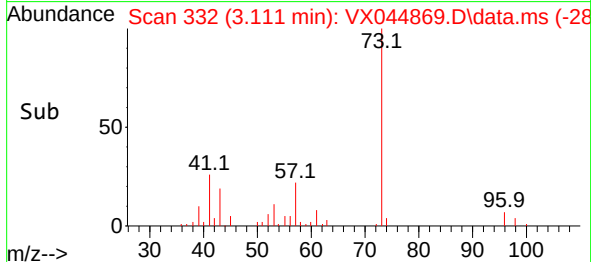
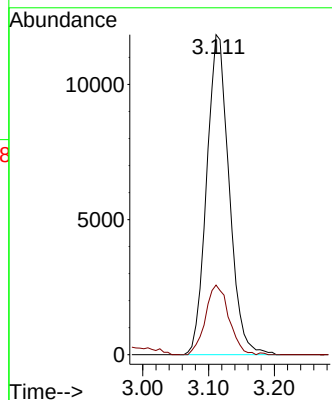
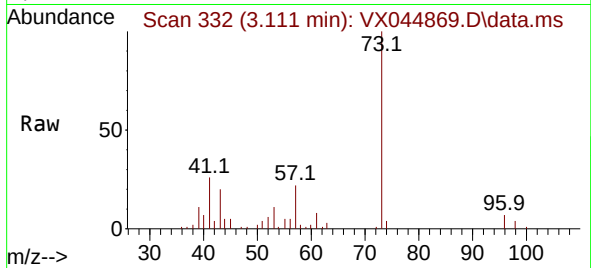




#19
Methyl tert-butyl Ether
Concen: 5.034 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

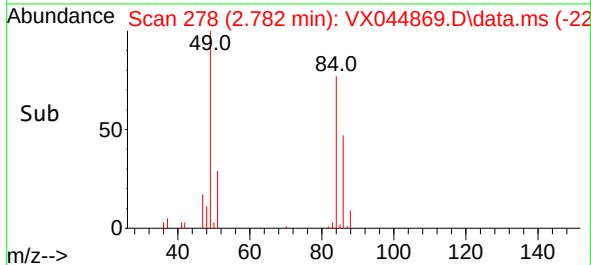
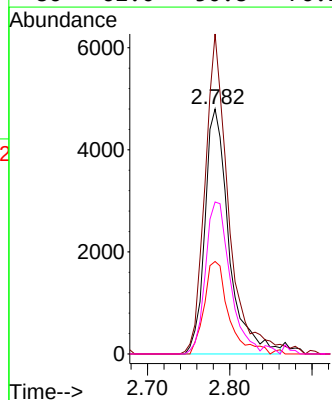
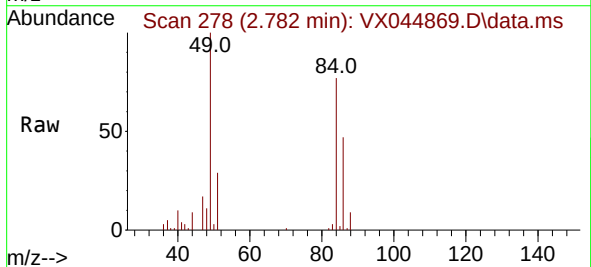
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

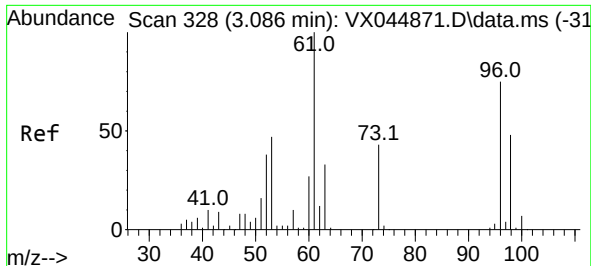
Tgt Ion: 73 Resp: 28100
Ion Ratio Lower Upper
73 100
57 21.8 17.9 26.9



#20
Methylene Chloride
Concen: 4.973 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 84 Resp: 9757
Ion Ratio Lower Upper
84 100
49 130.7 100.1 150.1
51 37.7 31.7 47.5
86 62.0 50.8 76.2

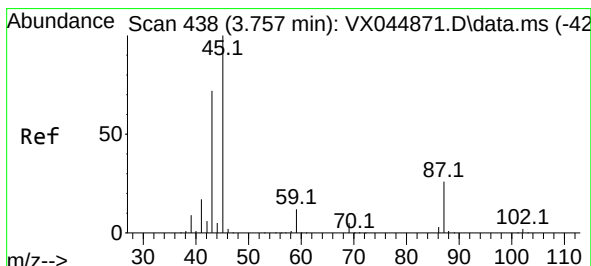
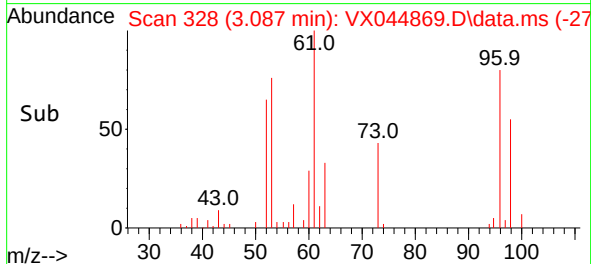
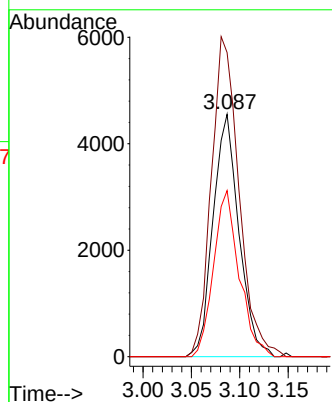
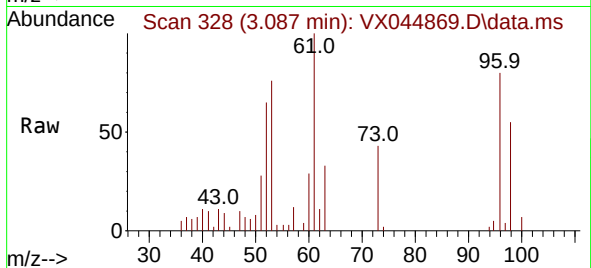




#21
trans-1,2-Dichloroethene
Concen: 4.906 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

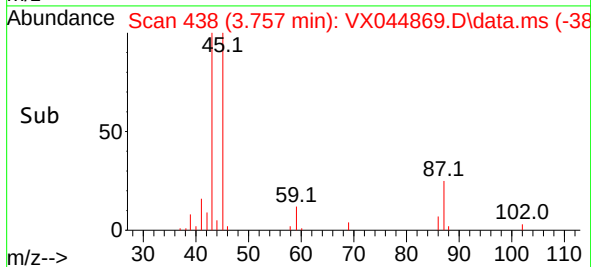
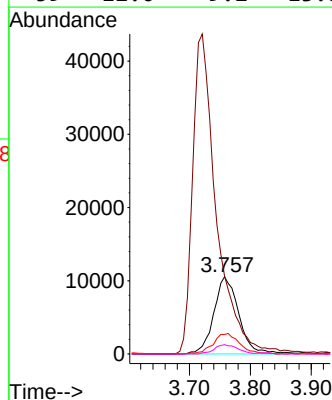
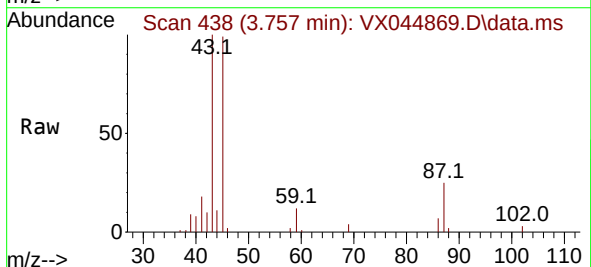
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

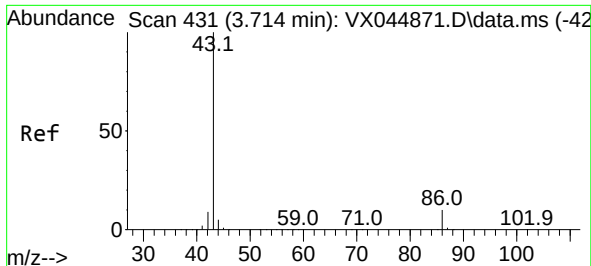
Tgt Ion: 96 Resp: 8470
Ion Ratio Lower Upper
96 100
61 125.5 106.0 159.0
98 68.5 50.6 76.0



#22
Diisopropyl ether
Concen: 4.963 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 45 Resp: 29768
Ion Ratio Lower Upper
45 100
43 97.8 58.0 87.0#
87 25.2 20.7 31.1
59 12.0 9.2 13.8

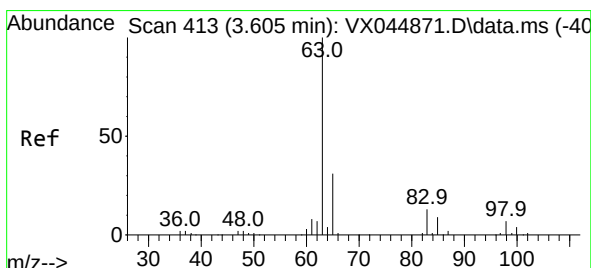
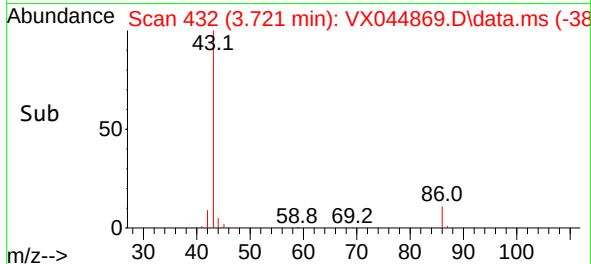
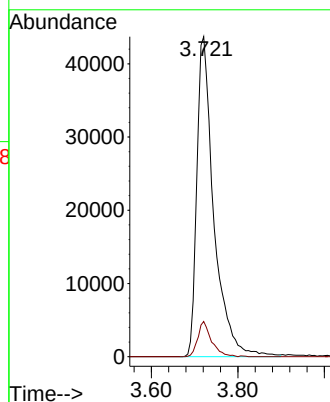
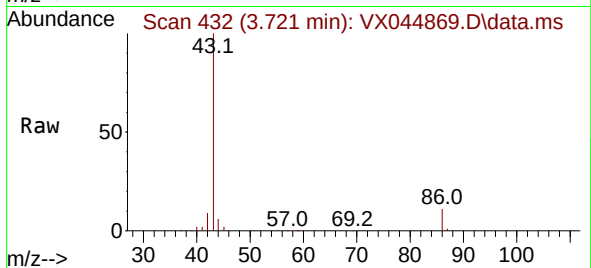




#23
 Vinyl Acetate
 Concen: 24.358 ug/l
 RT: 3.721 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VX044869.D
 Acq: 10 Feb 2025 10:48

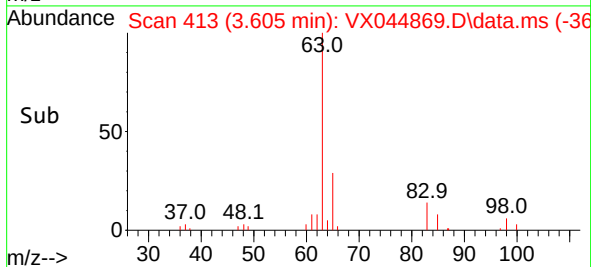
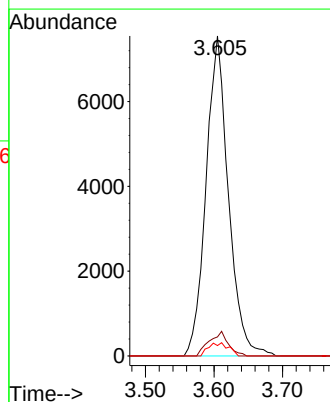
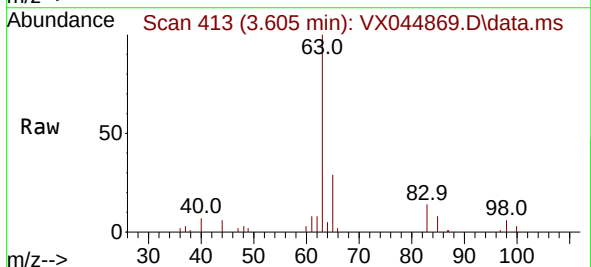
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

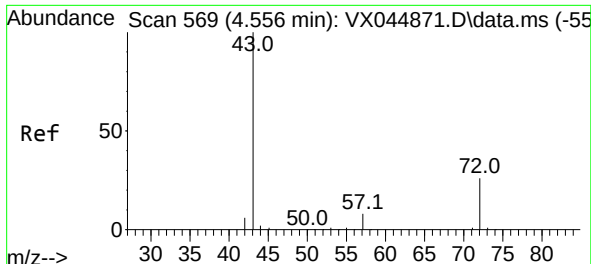
Tgt Ion: 43 Resp: 119108
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 5.099 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX044869.D
 Acq: 10 Feb 2025 10:48

Tgt Ion: 63 Resp: 17113
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.3 9.9
 100 3.2 2.1 6.5

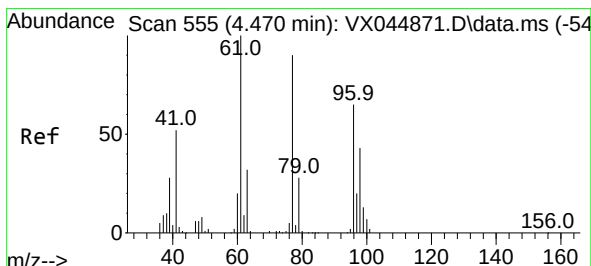
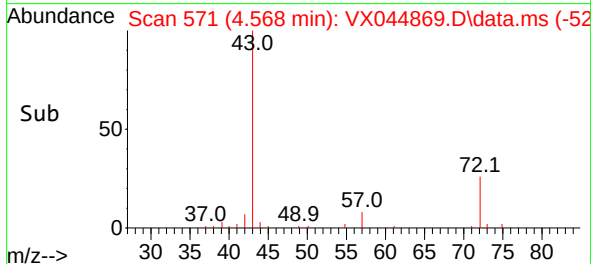
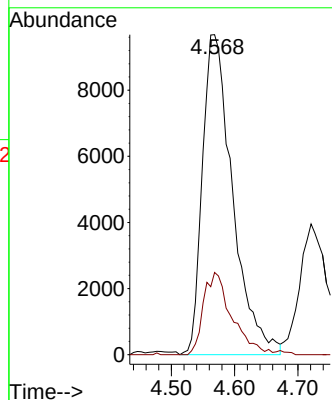
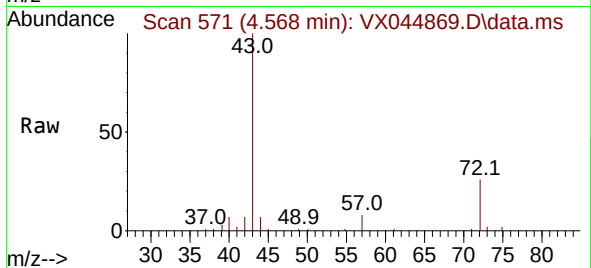




#25
2-Butanone
Concen: 24.698 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

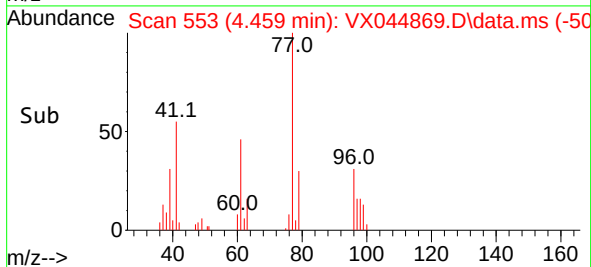
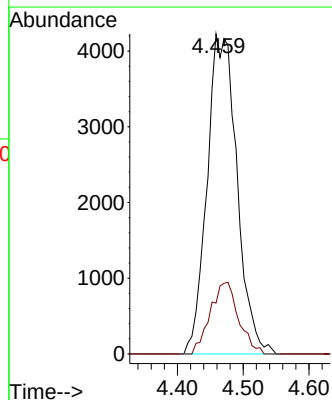
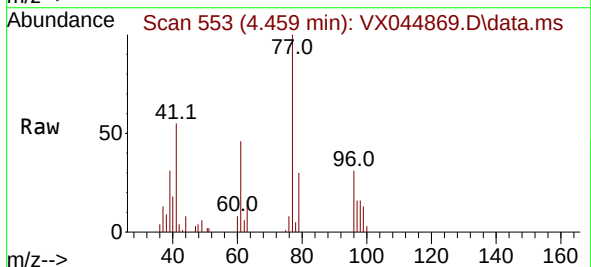
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

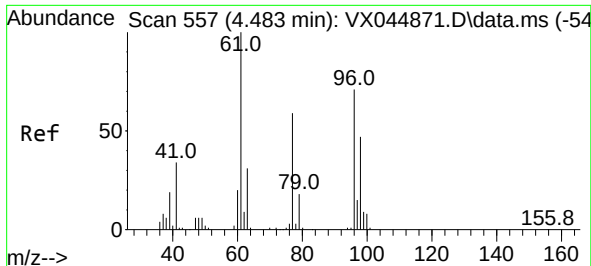
Tgt Ion: 43 Resp: 32121
Ion Ratio Lower Upper
43 100
72 25.7 21.2 31.8



#26
2,2-Dichloropropane
Concen: 5.022 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.012 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 77 Resp: 13365
Ion Ratio Lower Upper
77 100
97 21.2 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 5.141 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

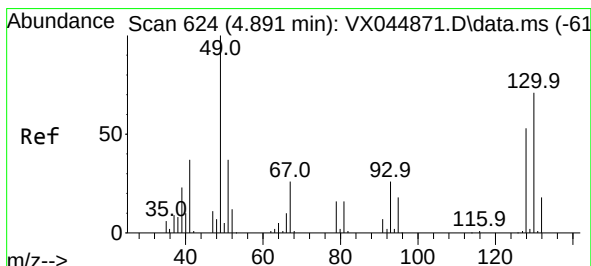
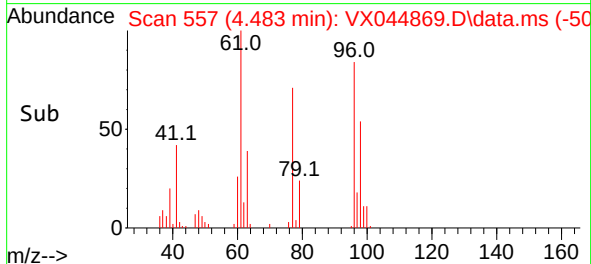
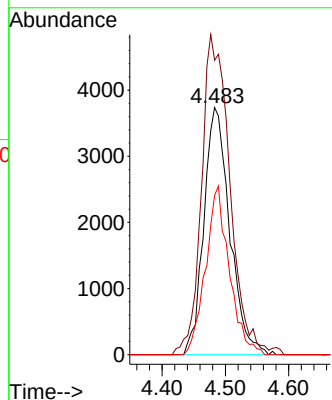
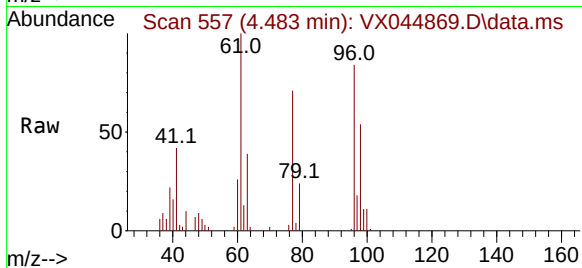
Tgt Ion: 96 Resp: 10662

Ion Ratio Lower Upper

96 100

61 140.8 0.0 294.0

98 62.4 0.0 131.2



#28

Bromochloromethane

Concen: 4.886 ug/l

RT: 4.898 min Scan# 625

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

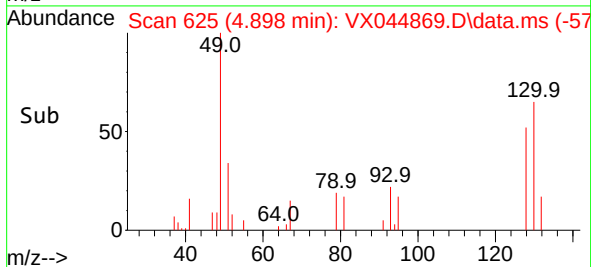
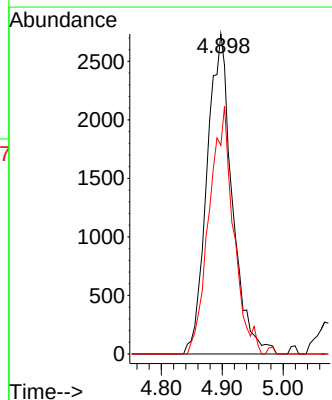
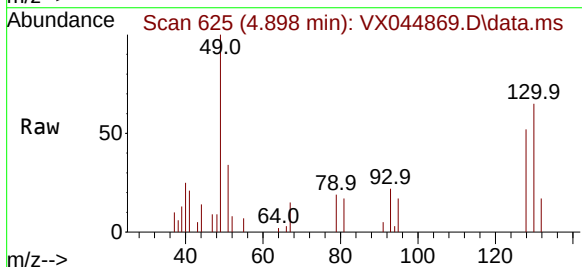
Tgt Ion: 49 Resp: 7881

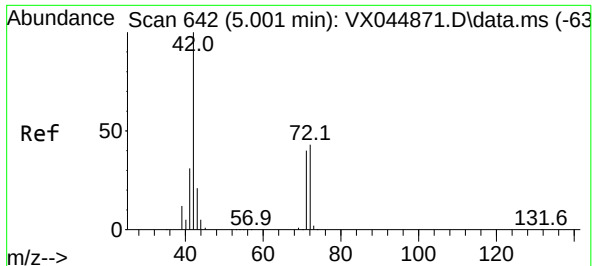
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 74.4 56.7 85.1





#29

Tetrahydrofuran

Concen: 24.429 ug/l

RT: 5.013 min Scan# 642

Delta R.T. 0.013 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

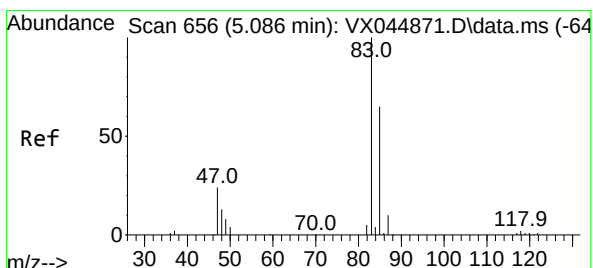
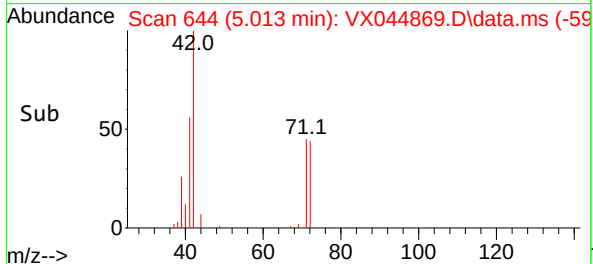
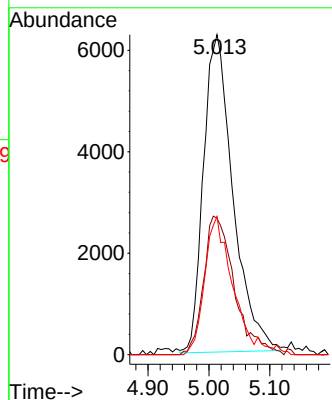
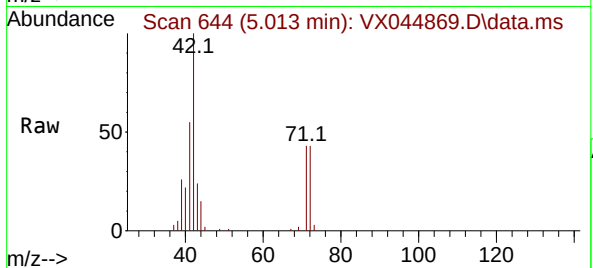
Tgt Ion: 42 Resp: 21097

Ion Ratio Lower Upper

42 100

72 45.3 35.0 52.4

71 41.6 32.6 48.8



#30

Chloroform

Concen: 5.054 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044869.D

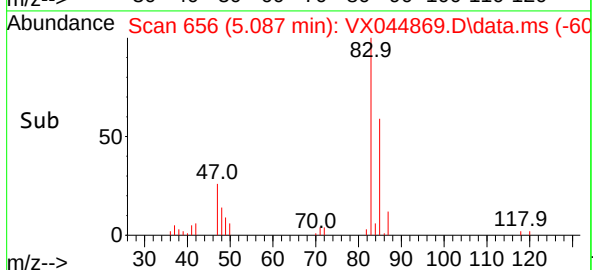
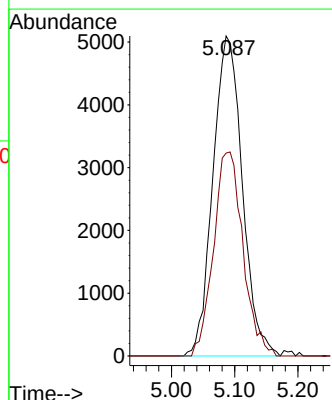
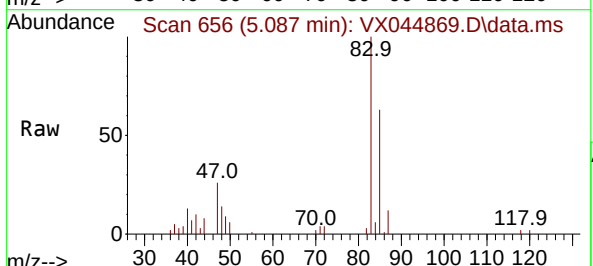
Acq: 10 Feb 2025 10:48

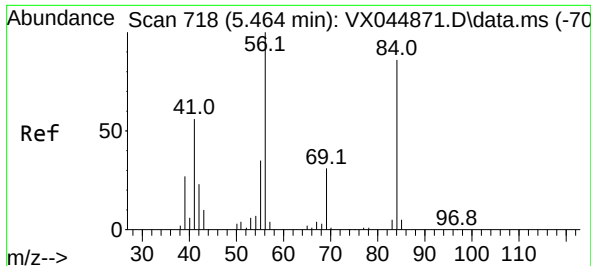
Tgt Ion: 83 Resp: 16449

Ion Ratio Lower Upper

83 100

85 63.4 52.1 78.1

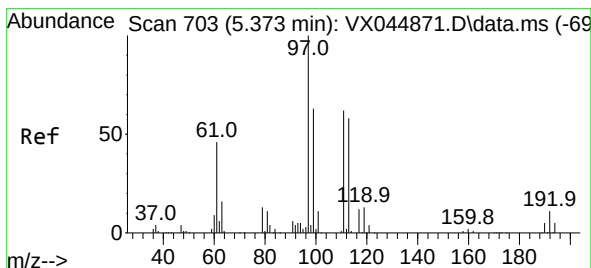
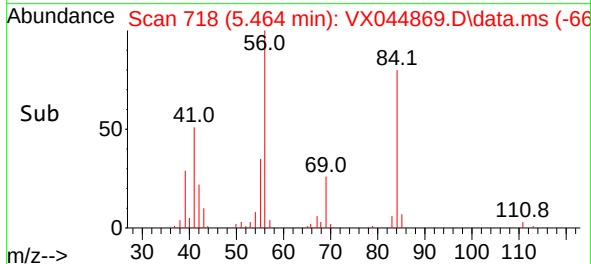
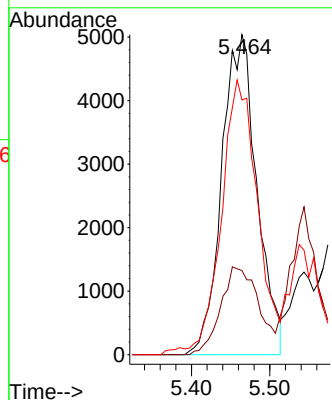
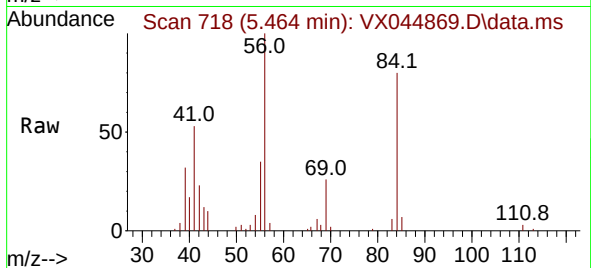




#31
Cyclohexane
Concen: 5.076 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

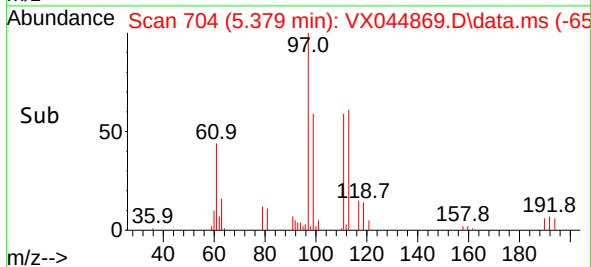
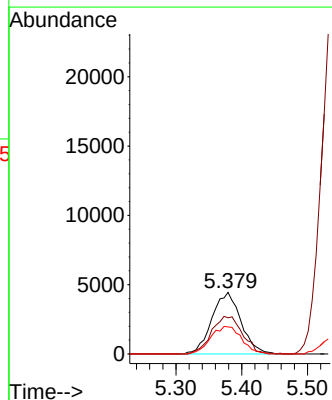
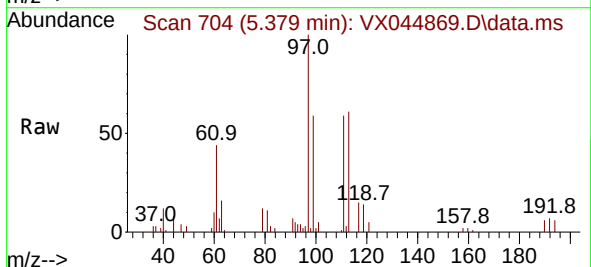
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

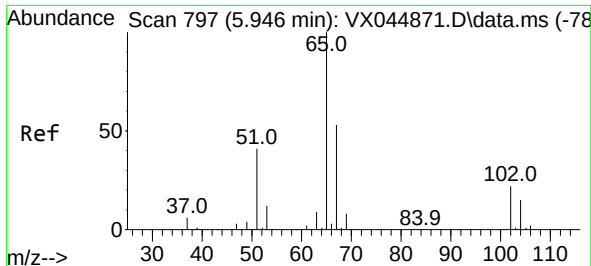
Tgt Ion:	56	Resp:	15705
Ion	Ratio	Lower	Upper
56	100		
69	26.3	24.4	36.6
84	77.4	69.0	103.6



#32
1,1,1-Trichloroethane
Concen: 4.947 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:	97	Resp:	13658
Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.0	76.6
61	47.3	36.6	55.0





#33

1,2-Dichloroethane-d4

Concen: 5.219 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

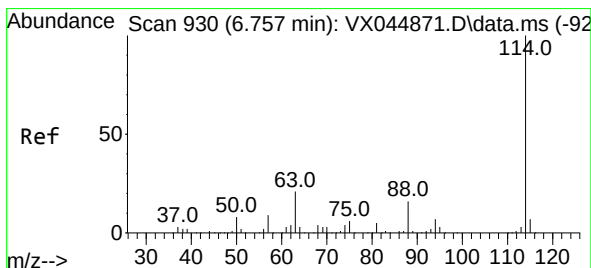
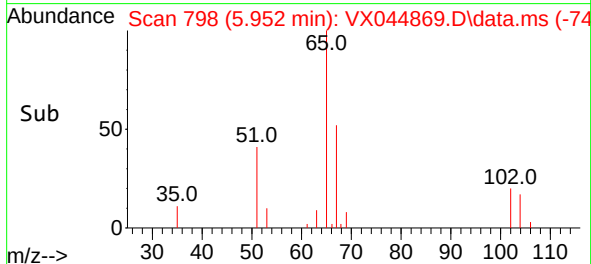
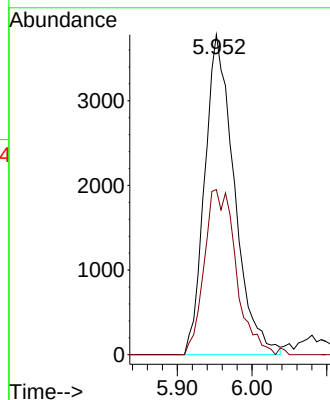
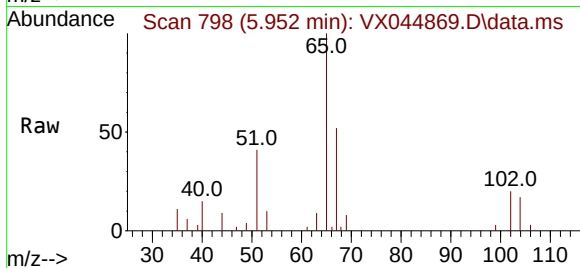
VSTDICC005

Tgt Ion: 65 Resp: 10397

Ion Ratio Lower Upper

65 100

67 55.6 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

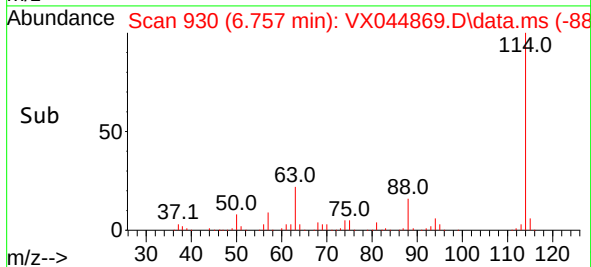
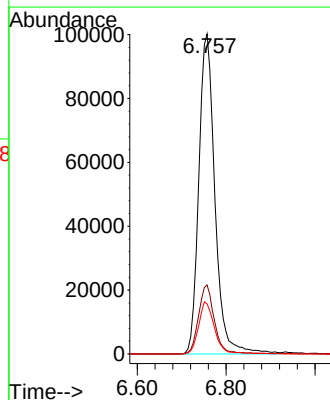
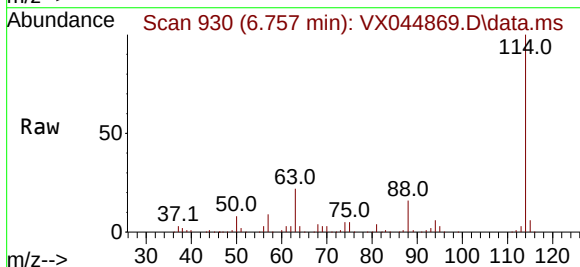
Tgt Ion: 114 Resp: 253314

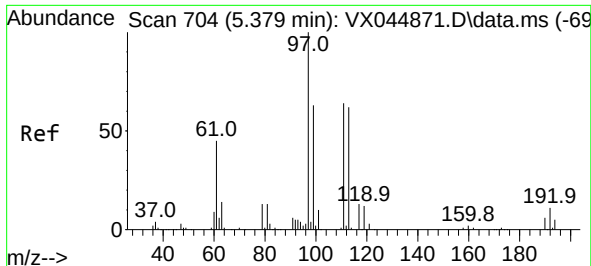
Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.4

88 15.6 0.0 31.4

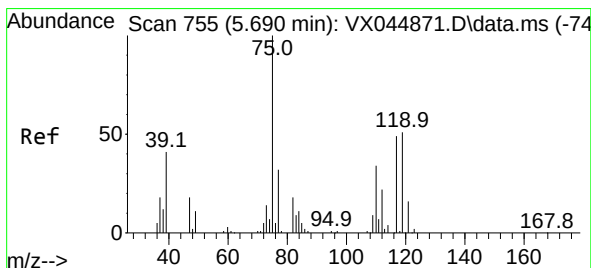
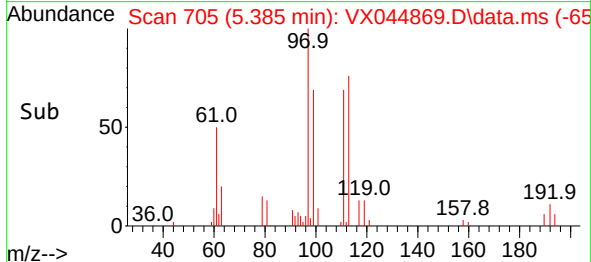
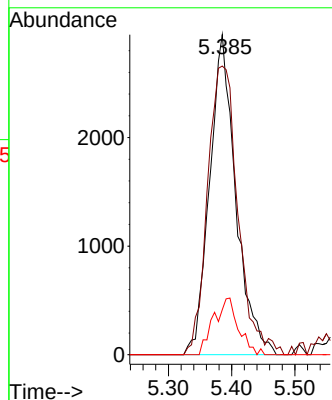
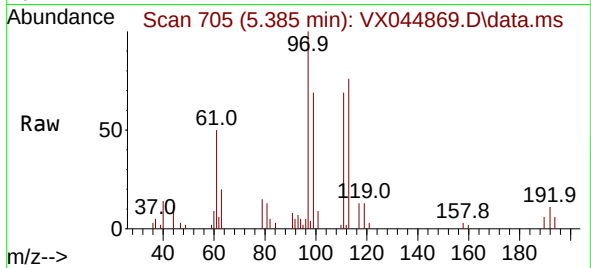




#35
 Dibromofluoromethane
 Concen: 5.150 ug/l
 RT: 5.385 min Scan# 704
 Delta R.T. 0.006 min
 Lab File: VX044869.D
 Acq: 10 Feb 2025 10:48

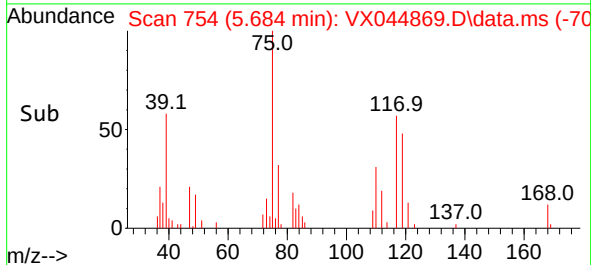
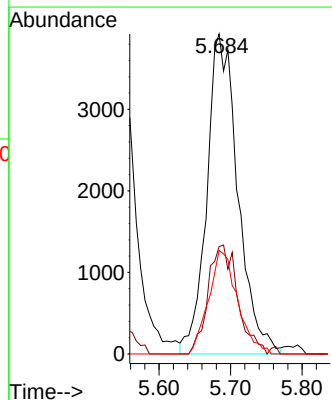
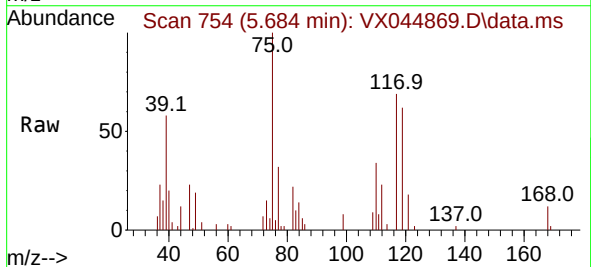
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

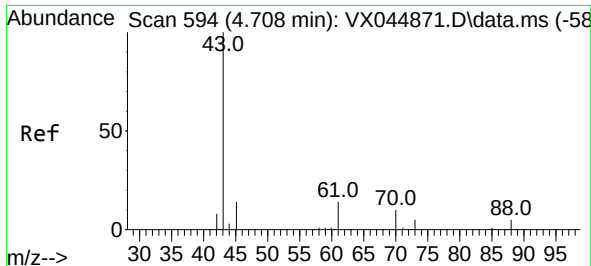
Tgt Ion:113 Resp: 8482
 Ion Ratio Lower Upper
 113 100
 111 104.6 83.5 125.3
 192 16.7 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 4.981 ug/l
 RT: 5.684 min Scan# 754
 Delta R.T. -0.006 min
 Lab File: VX044869.D
 Acq: 10 Feb 2025 10:48

Tgt Ion: 75 Resp: 11835
 Ion Ratio Lower Upper
 75 100
 110 32.4 17.2 51.6
 77 30.0 24.6 37.0





#37

Ethyl Acetate

Concen: 5.119 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.013 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

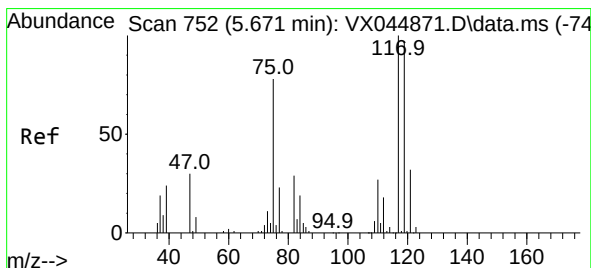
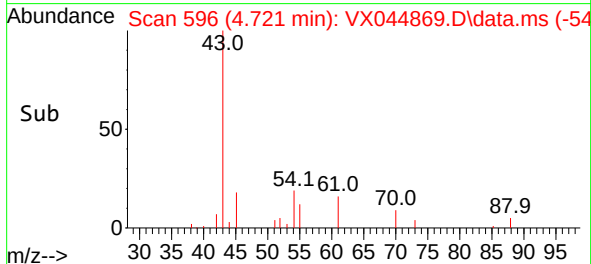
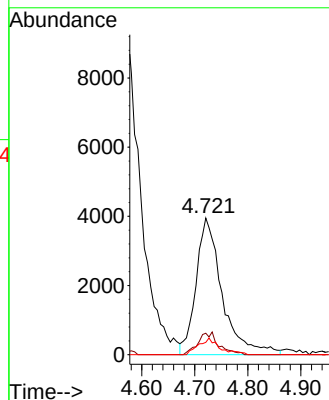
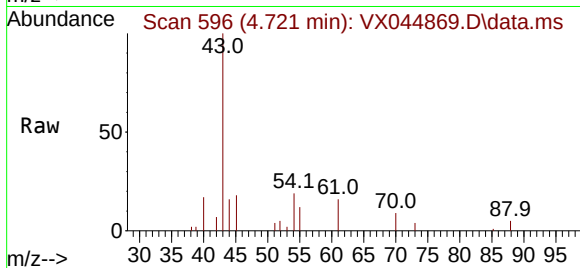
Tgt Ion: 43 Resp: 13530

Ion Ratio Lower Upper

43 100

61 13.0 11.0 16.4

70 9.8 8.2 12.2



#38

Carbon Tetrachloride

Concen: 5.066 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

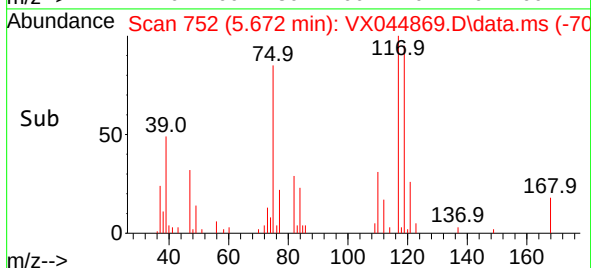
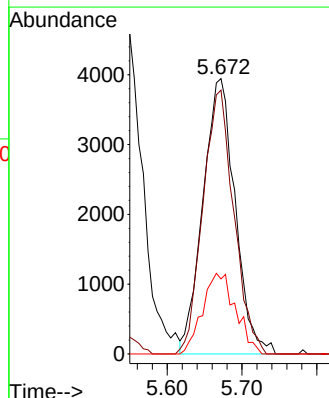
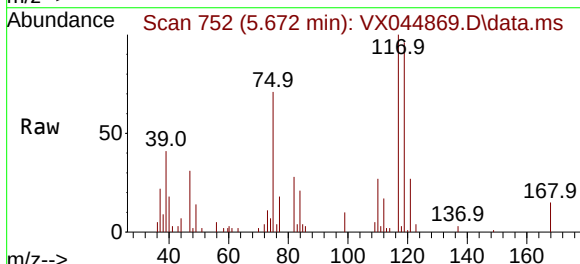
Tgt Ion: 117 Resp: 11797

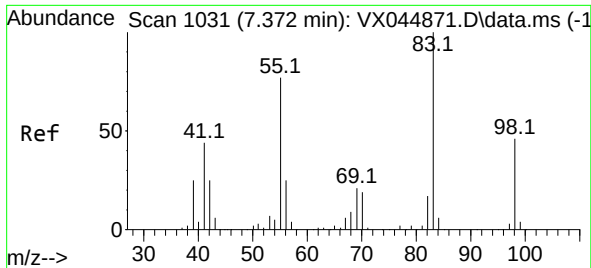
Ion Ratio Lower Upper

117 100

119 95.8 77.5 116.3

121 27.2 25.6 38.4

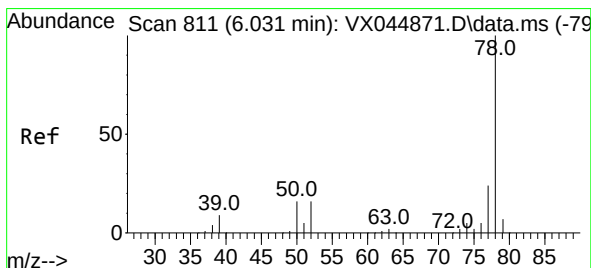
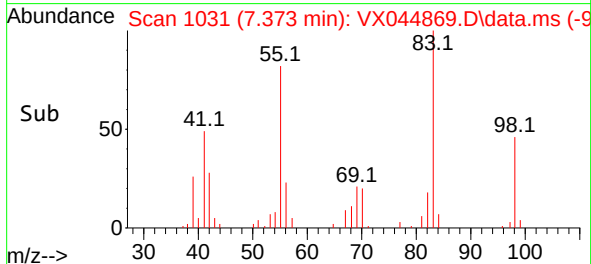
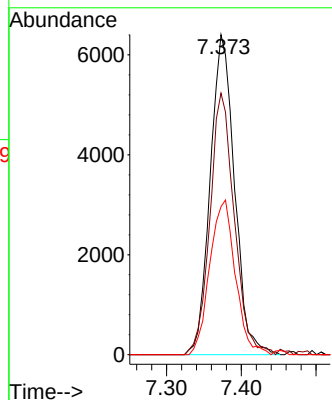
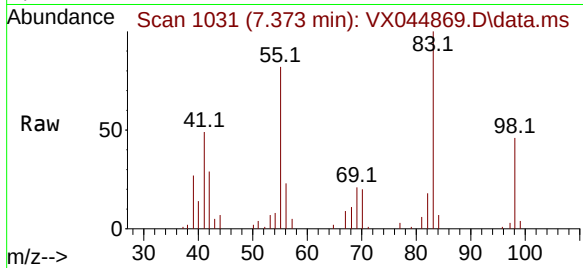




#39
Methylcyclohexane
Concen: 4.711 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

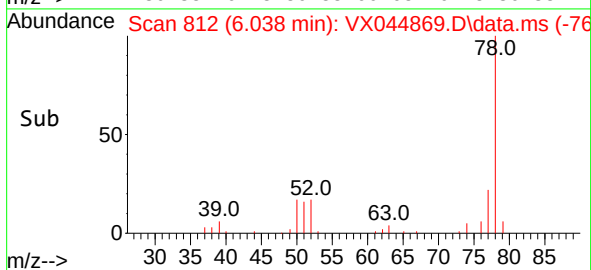
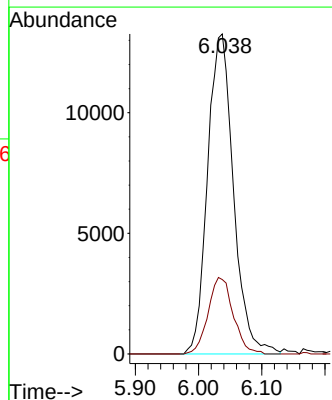
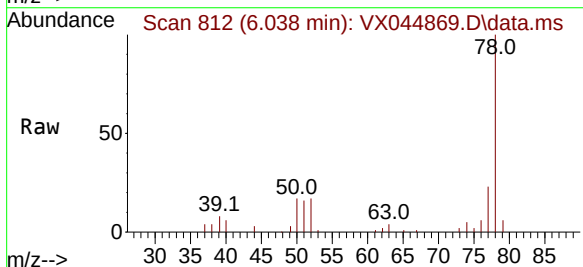
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

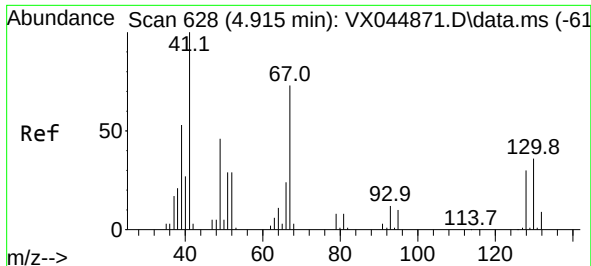
Tgt Ion: 83	Resp: 14472
Ion Ratio	Lower Upper
83 100	
55 81.7	61.3 91.9
98 46.3	37.0 55.6



#40
Benzene
Concen: 5.079 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 78	Resp: 37687		
Ion Ratio	Lower	Upper	
78 100			
77 23.3	19.0	28.6	

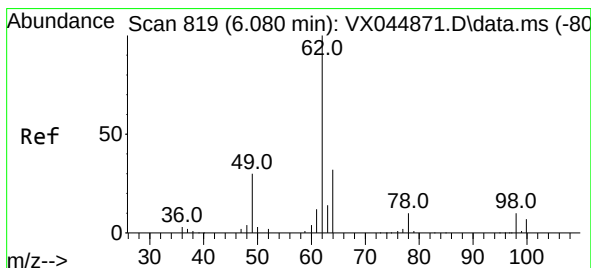
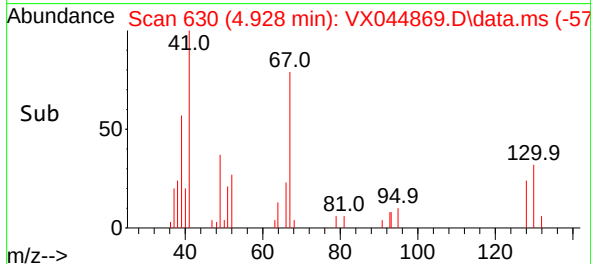
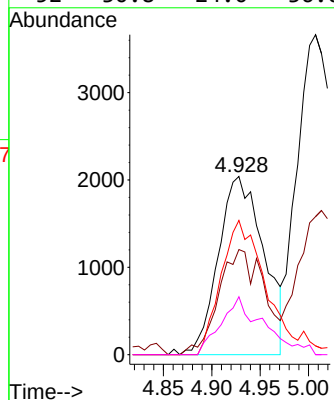
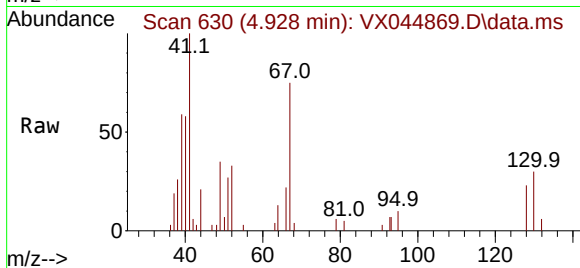




#41
Methacrylonitrile
Concen: 4.699 ug/l
RT: 4.928 min Scan# 61
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

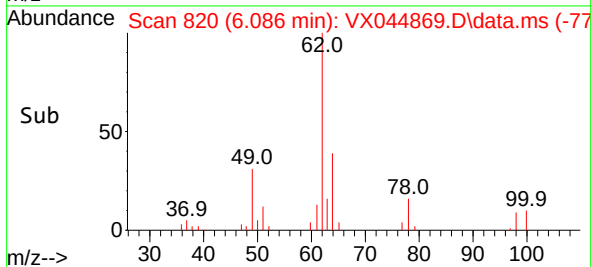
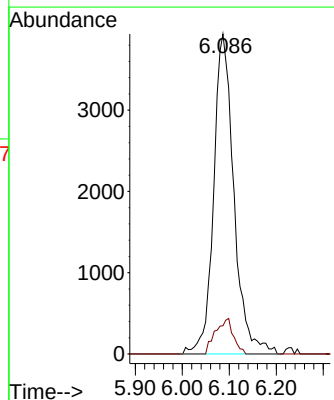
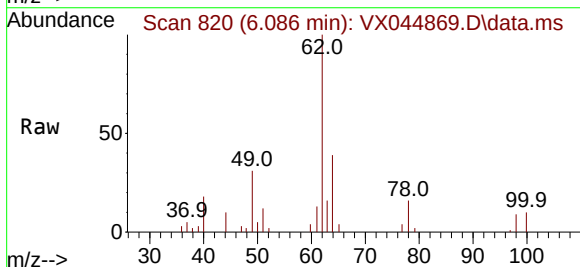
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

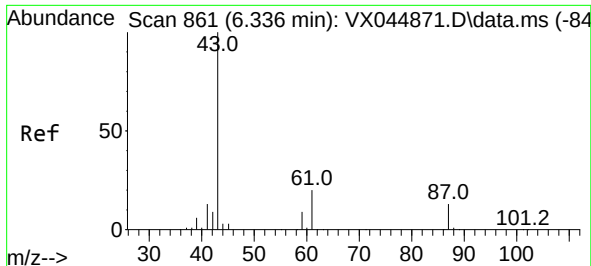
Tgt Ion:	41	Resp:	6648
Ion	Ratio	Lower	Upper
41	100		
39	59.4	43.1	64.7
67	72.7	57.0	85.6
52	30.8	24.0	36.0



#42
1,2-Dichloroethane
Concen: 4.985 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:	62	Resp:	11789
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4

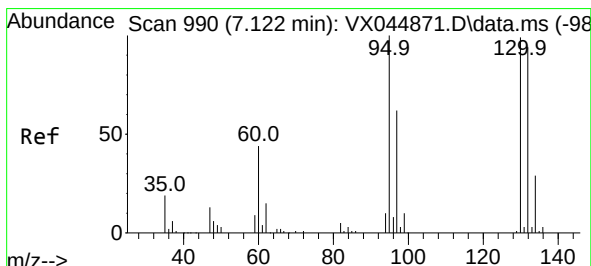
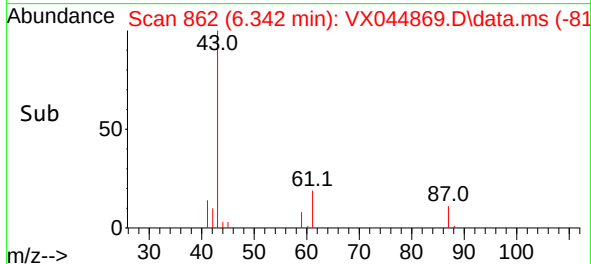
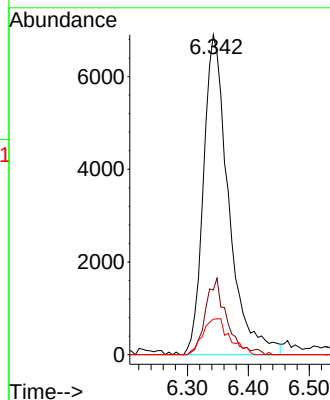
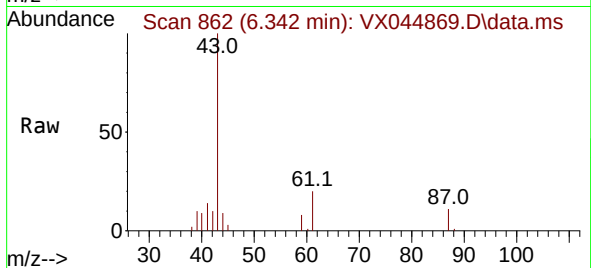




#43
Isopropyl Acetate
Concen: 4.640 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

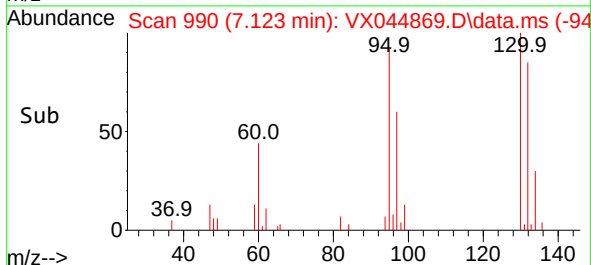
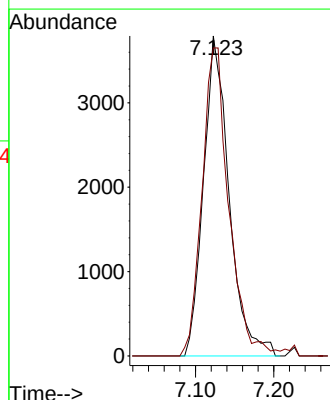
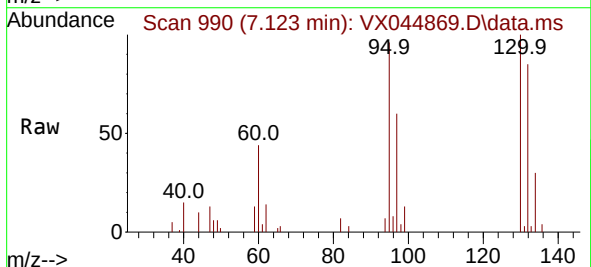
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

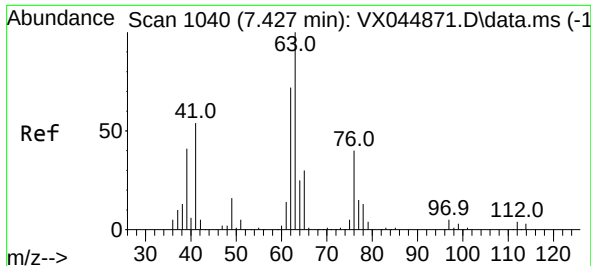
Tgt Ion:	43	Resp:	19803
Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.8	23.8
87	11.9	10.0	15.0



#44
Trichloroethene
Concen: 5.079 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:	130	Resp:	8614
Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	202.4





#45

1,2-Dichloropropane

Concen: 4.863 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

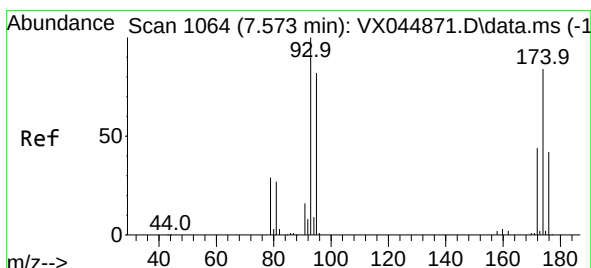
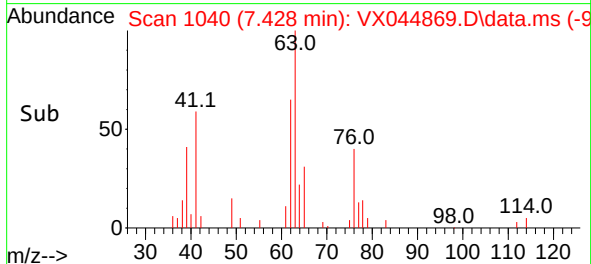
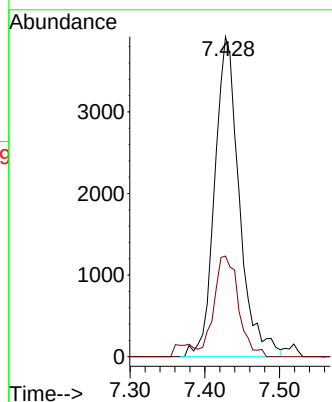
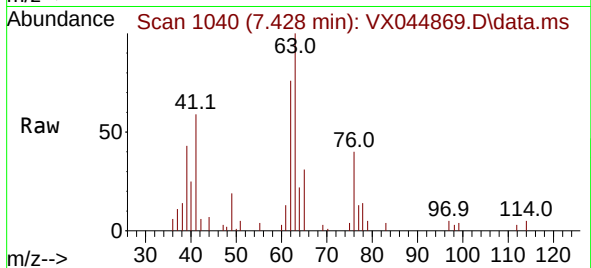
VSTDIC005

Tgt Ion: 63 Resp: 8976

Ion Ratio Lower Upper

63 100

65 31.4 24.2 36.4



#46

Dibromomethane

Concen: 4.851 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. 0.013 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

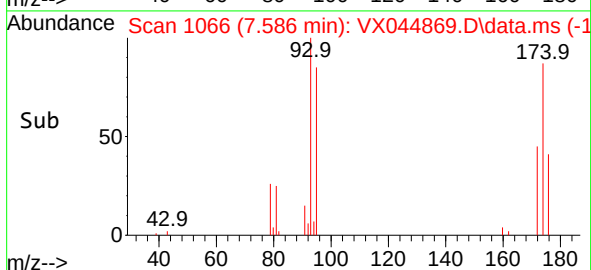
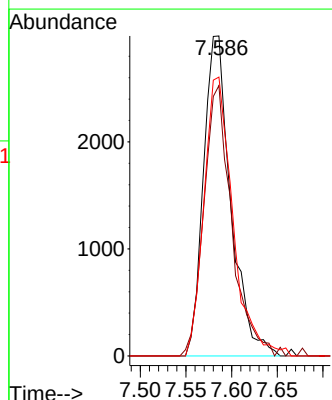
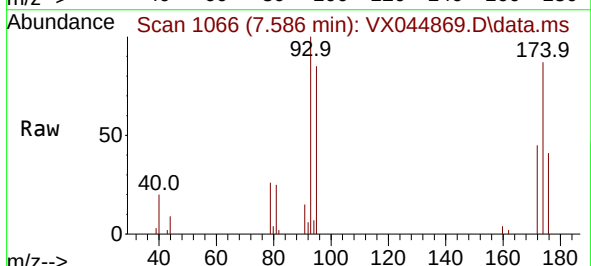
Tgt Ion: 93 Resp: 6210

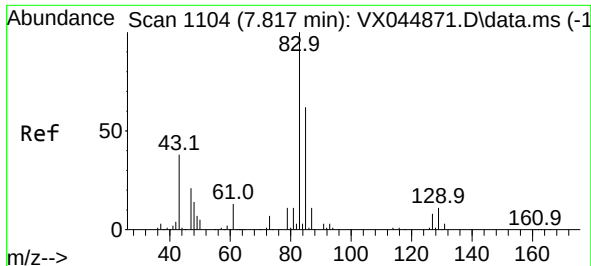
Ion Ratio Lower Upper

93 100

95 86.4 66.2 99.4

174 92.2 69.9 104.9

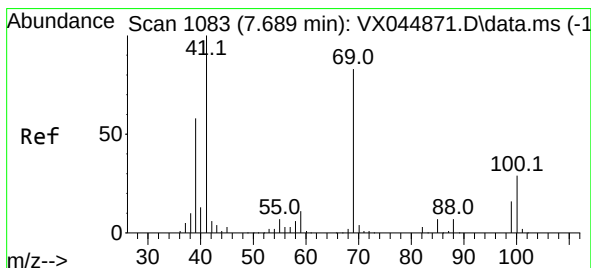
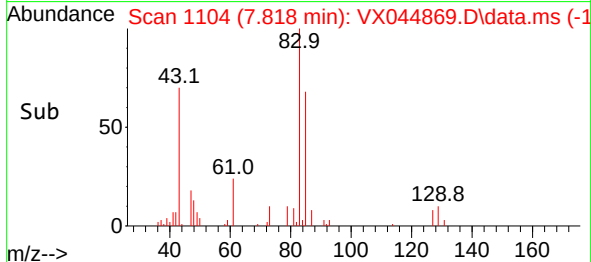
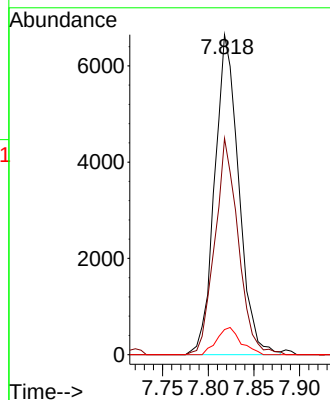
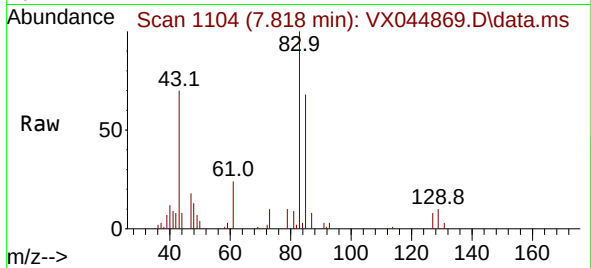




#47
Bromodichloromethane
Concen: 4.911 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

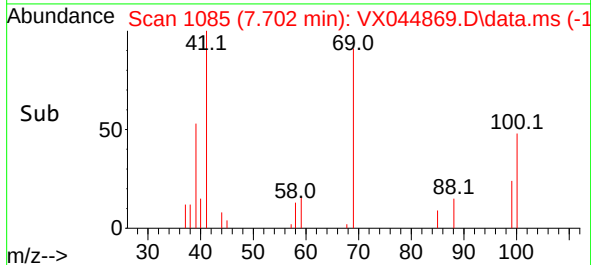
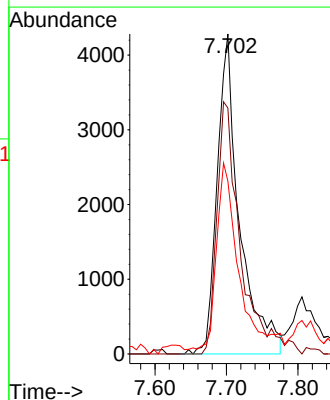
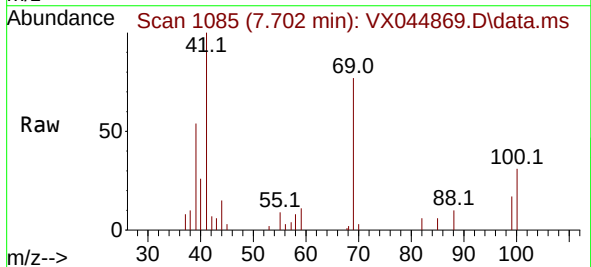
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

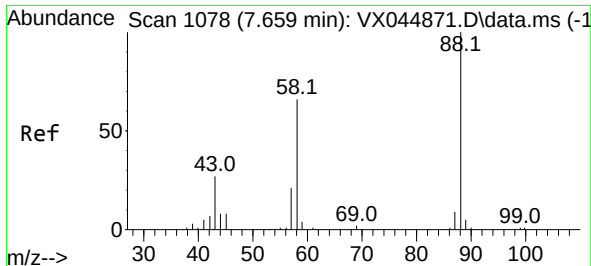
Tgt Ion: 83 Resp: 12173
Ion Ratio Lower Upper
83 100
85 67.6 50.0 75.0
127 7.8 6.4 9.6



#48
Methyl methacrylate
Concen: 4.620 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.013 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 41 Resp: 9298
Ion Ratio Lower Upper
41 100
69 83.0 65.8 98.8
39 54.6 46.4 69.6





#49

1,4-Dioxane

Concen: 101.099 ug/l

RT: 7.678 min Scan# 1081

Delta R.T. 0.019 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

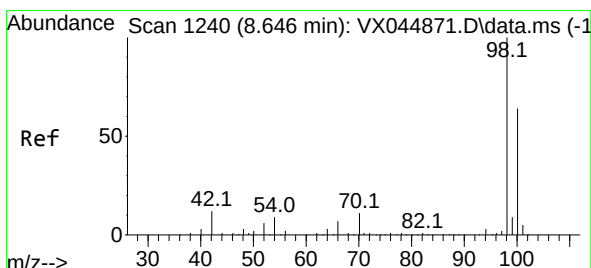
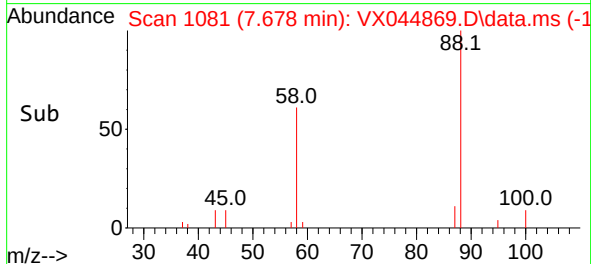
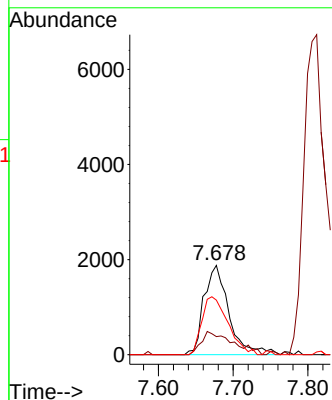
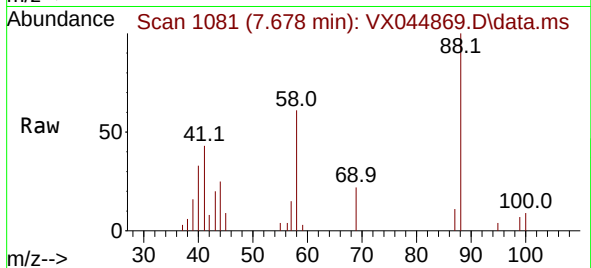
Tgt Ion: 88 Resp: 4365

Ion Ratio Lower Upper

88 100

43 32.3 26.6 39.8

58 67.9 55.9 83.9



#50

Toluene-d8

Concen: 5.039 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044869.D

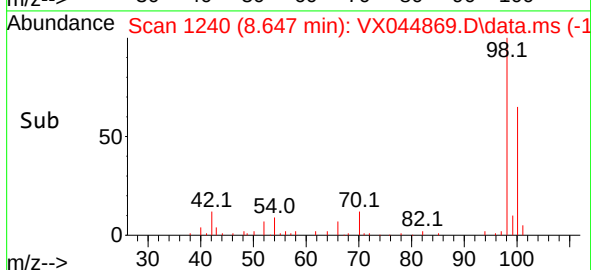
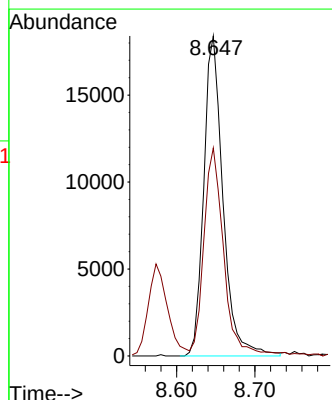
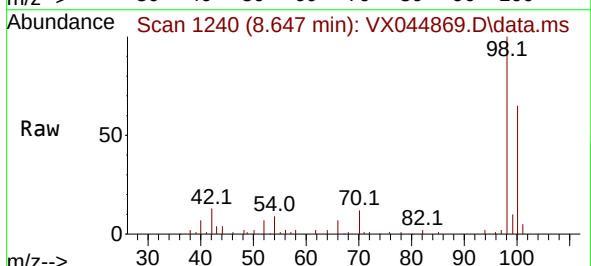
Acq: 10 Feb 2025 10:48

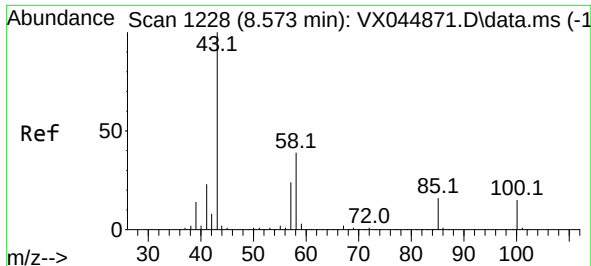
Tgt Ion: 98 Resp: 31381

Ion Ratio Lower Upper

98 100

100 67.8 52.7 79.1

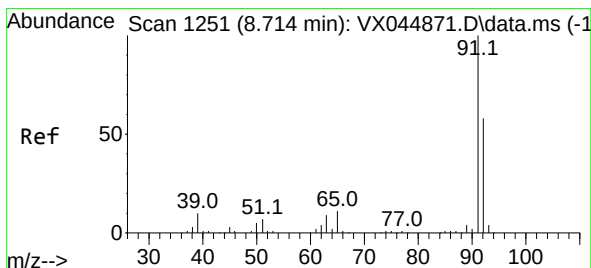
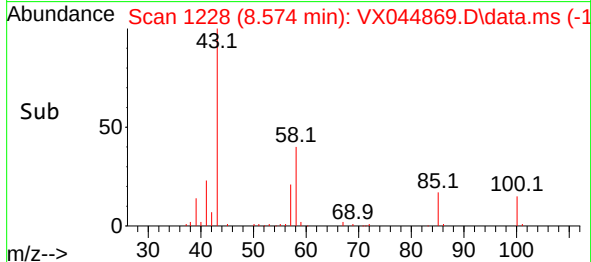
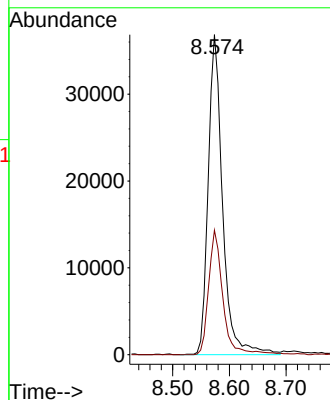
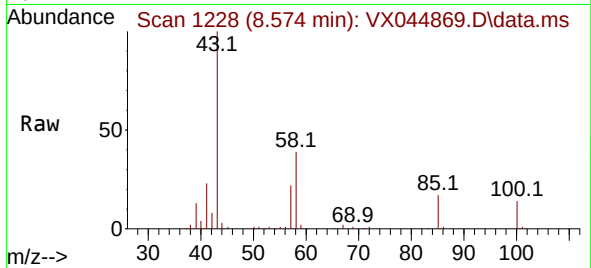




#51
4-Methyl-2-Pentanone
Concen: 25.076 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

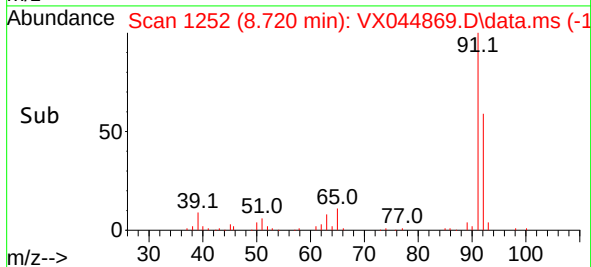
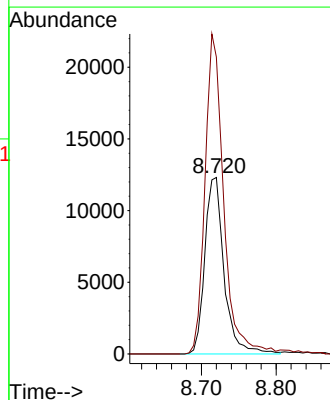
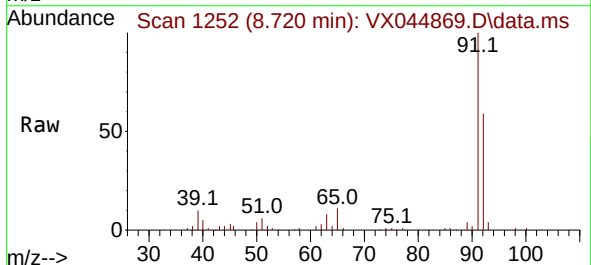
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

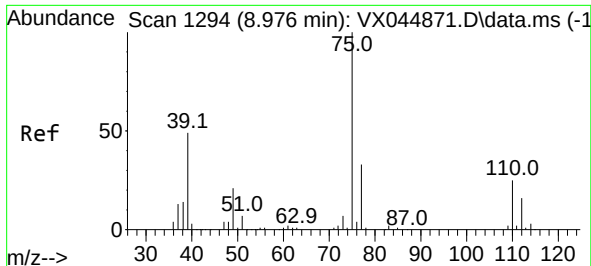
Tgt Ion: 43 Resp: 65064
Ion Ratio Lower Upper
43 100
58 38.7 30.8 46.2



#52
Toluene
Concen: 4.999 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 92 Resp: 22090
Ion Ratio Lower Upper
92 100
91 177.1 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 4.550 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

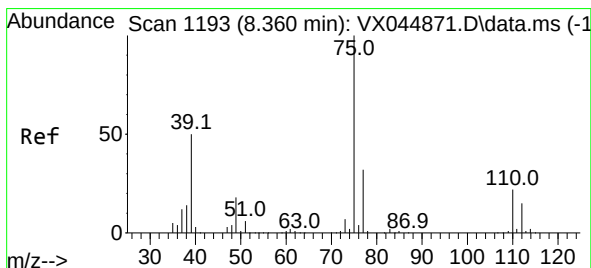
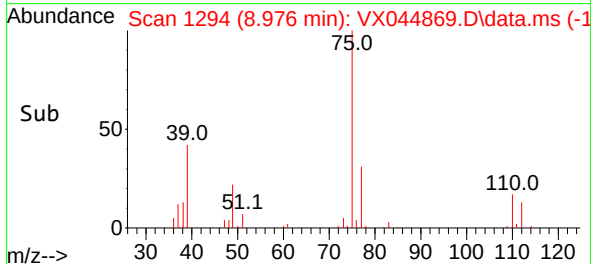
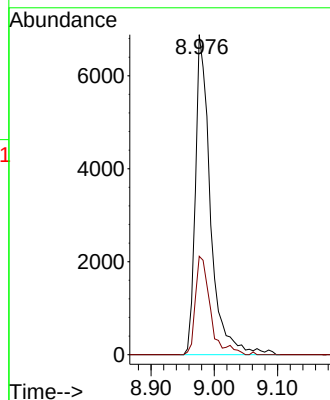
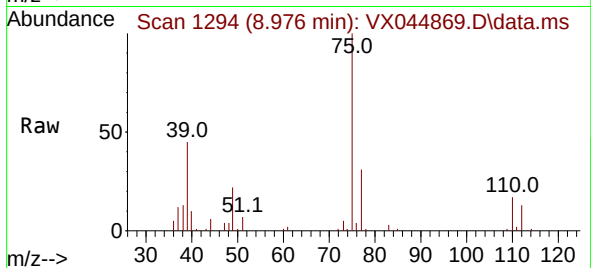
VSTDIC005

Tgt Ion: 75 Resp: 11413

Ion Ratio Lower Upper

75 100

77 30.7 26.0 39.0



#54

cis-1,3-Dichloropropene

Concen: 4.628 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

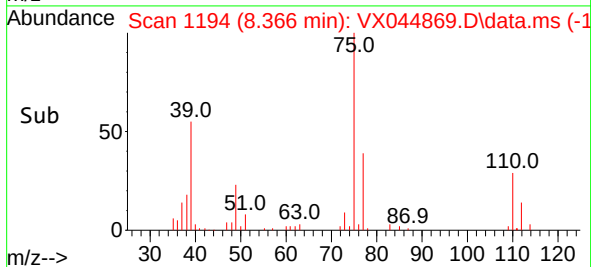
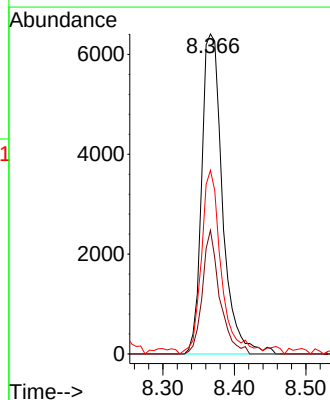
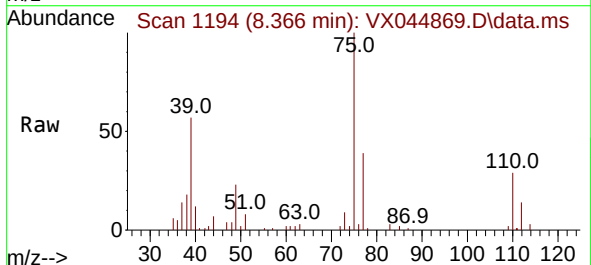
Tgt Ion: 75 Resp: 12943

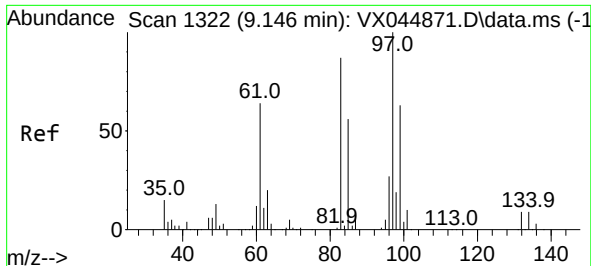
Ion Ratio Lower Upper

75 100

77 38.7 25.3 37.9#

39 57.4 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 5.099 ug/l

RT: 9.153 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 8662

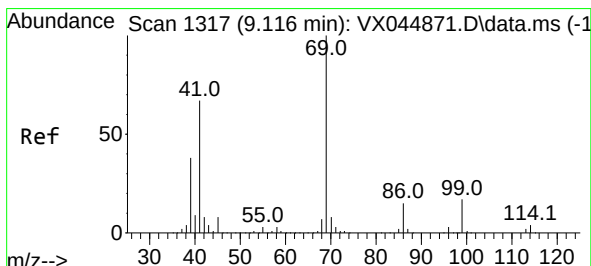
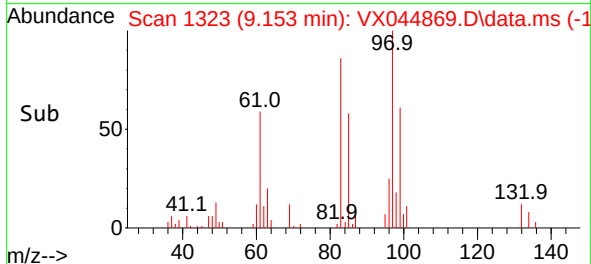
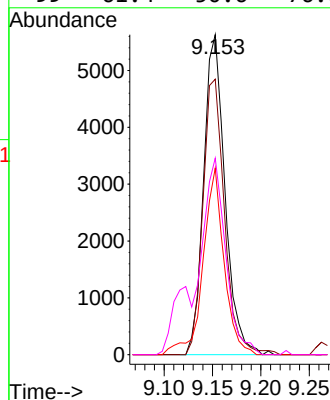
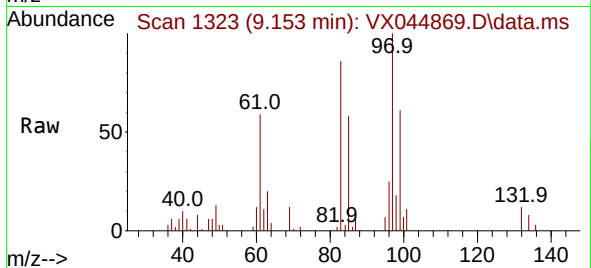
Ion Ratio Lower Upper

97 100

83 86.1 69.8 104.6

85 58.3 44.8 67.2

99 61.4 50.6 76.0



#56

Ethyl methacrylate

Concen: 4.502 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

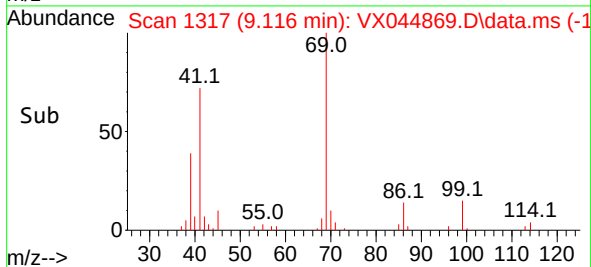
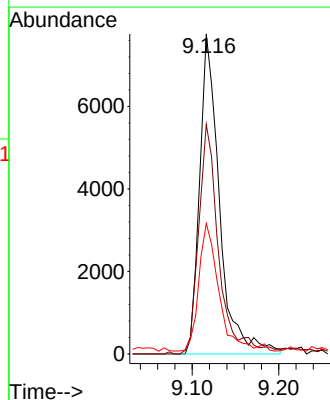
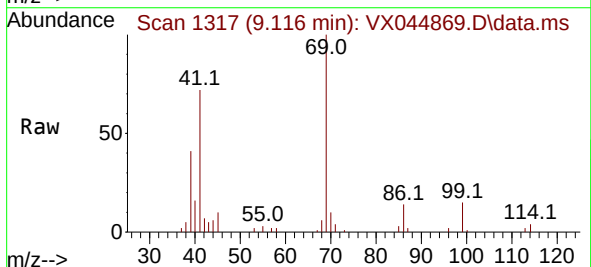
Tgt Ion: 69 Resp: 12351

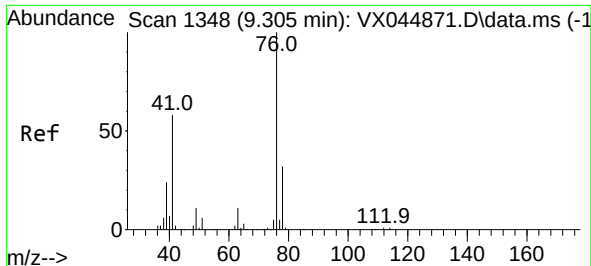
Ion Ratio Lower Upper

69 100

41 73.0 55.2 82.8

39 39.5 30.8 46.2

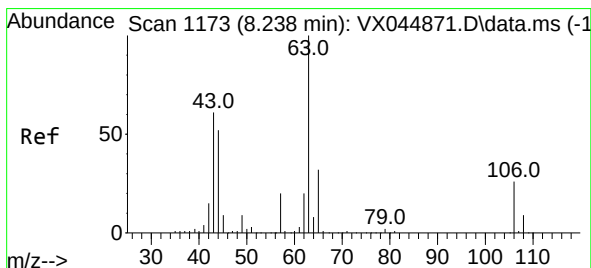
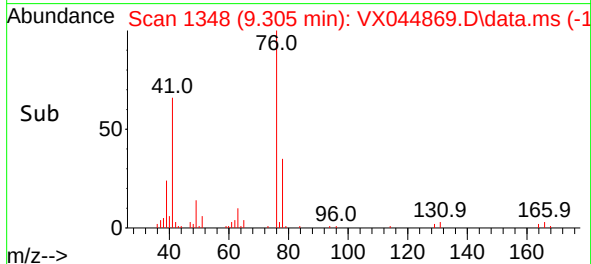
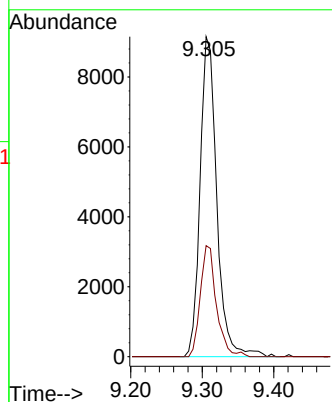
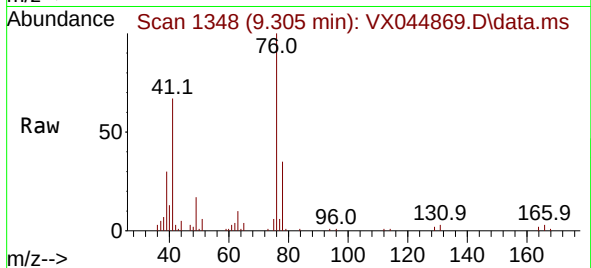




#57
1,3-Dichloropropane
Concen: 4.993 ug/l
RT: 9.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

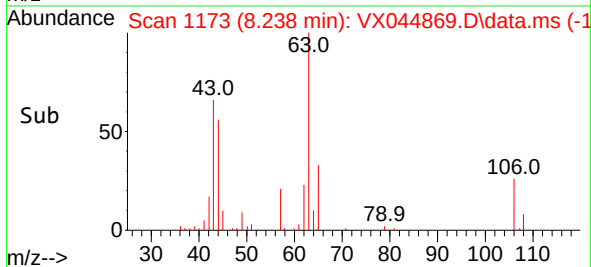
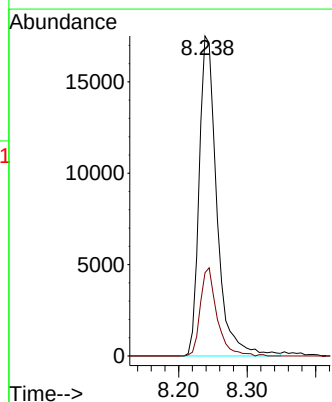
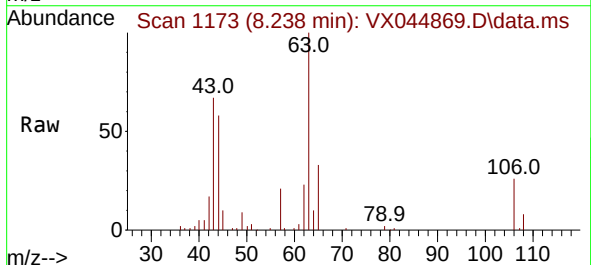
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

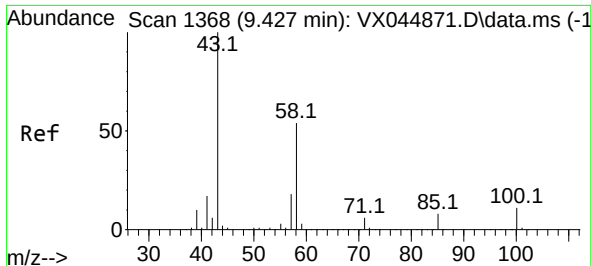
Tgt Ion: 76 Resp: 14839
Ion Ratio Lower Upper
76 100
78 33.4 25.8 38.8



#58
2-Chloroethyl Vinyl ether
Concen: 23.382 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 63 Resp: 31498
Ion Ratio Lower Upper
63 100
106 25.8 21.3 31.9





#59

2-Hexanone

Concen: 24.359 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

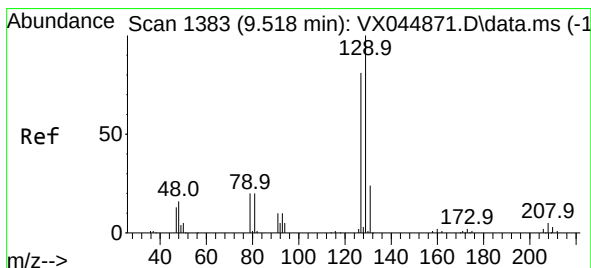
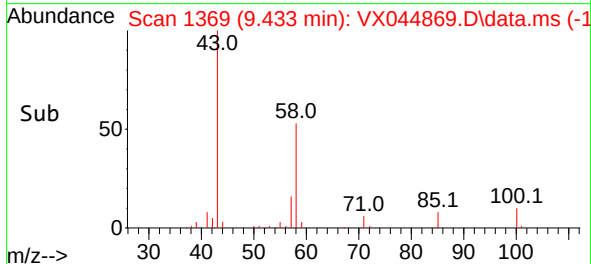
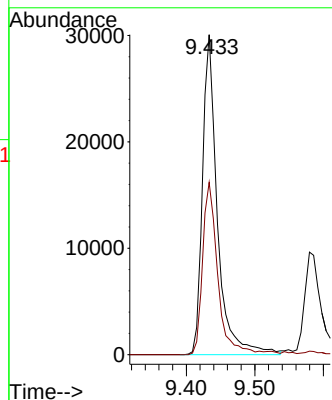
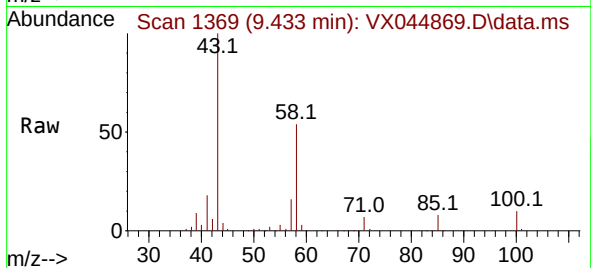
VSTDIC005

Tgt Ion: 43 Resp: 45538

Ion Ratio Lower Upper

43 100

58 55.5 27.5 82.4



#60

Dibromochloromethane

Concen: 4.771 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044869.D

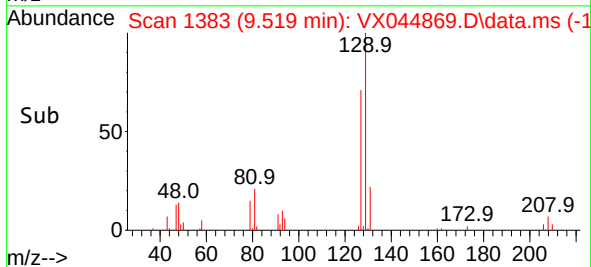
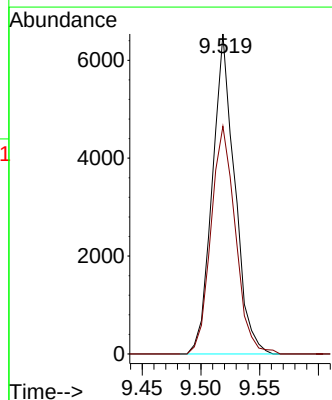
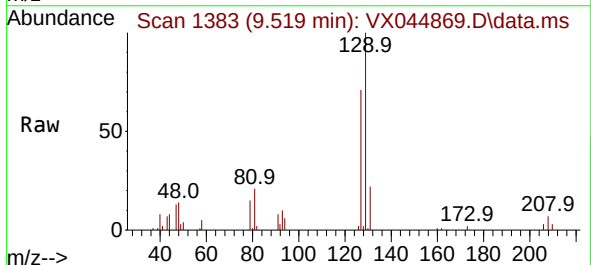
Acq: 10 Feb 2025 10:48

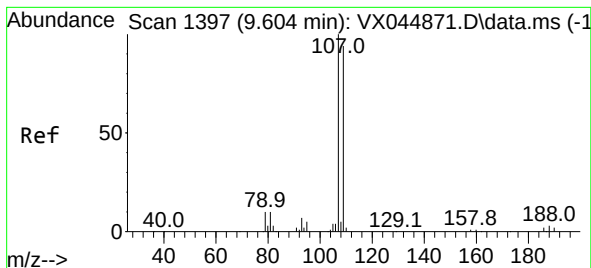
Tgt Ion: 129 Resp: 8668

Ion Ratio Lower Upper

129 100

127 77.5 39.1 117.3

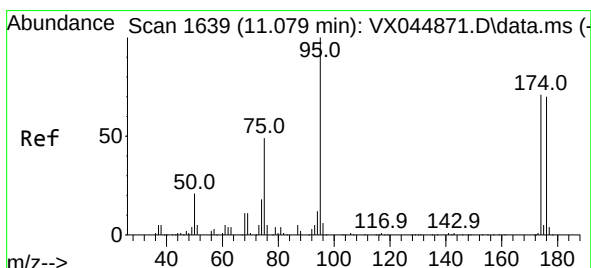
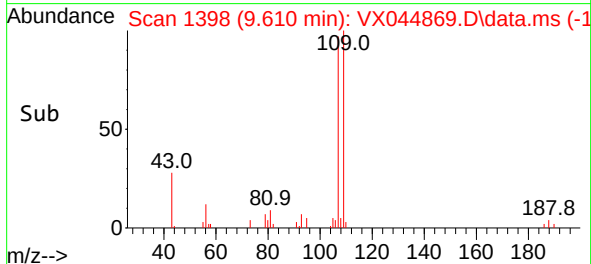
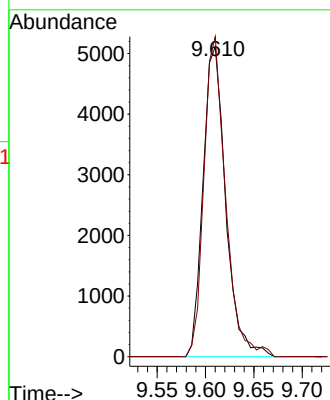
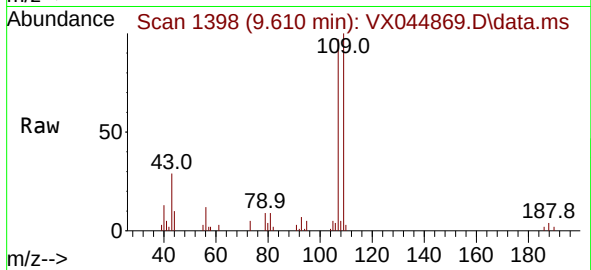




#61
1,2-Dibromoethane
Concen: 4.852 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

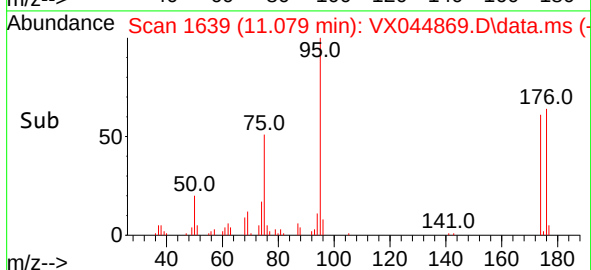
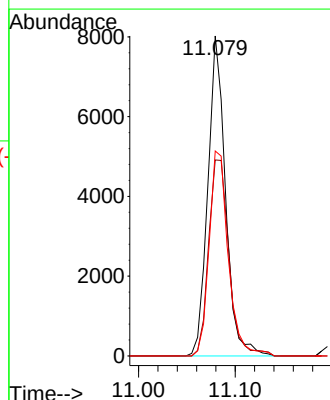
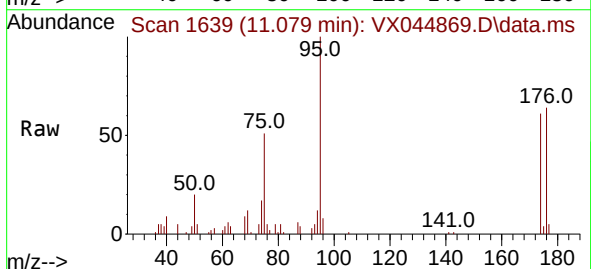
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

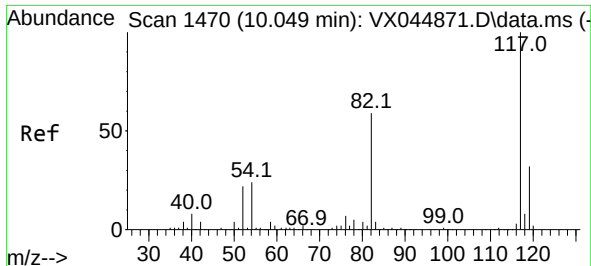
Tgt Ion:107 Resp: 8353
Ion Ratio Lower Upper
107 100
109 98.8 75.9 113.9



#62
4-Bromofluorobenzene
Concen: 4.872 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 95 Resp: 10229
Ion Ratio Lower Upper
95 100
174 70.3 0.0 142.6
176 69.3 0.0 141.6

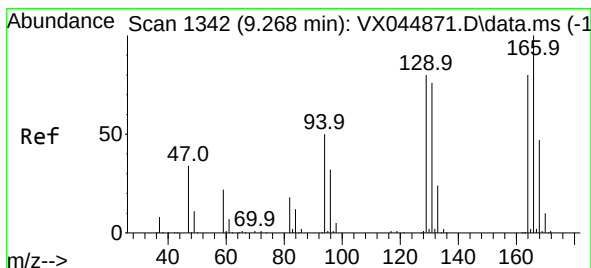
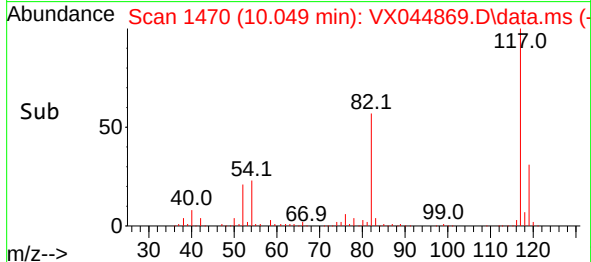
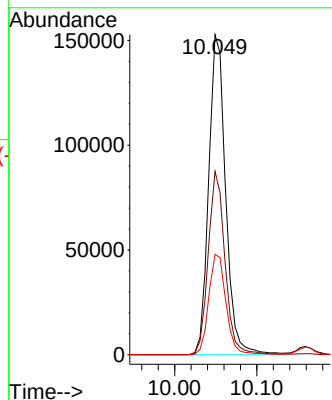
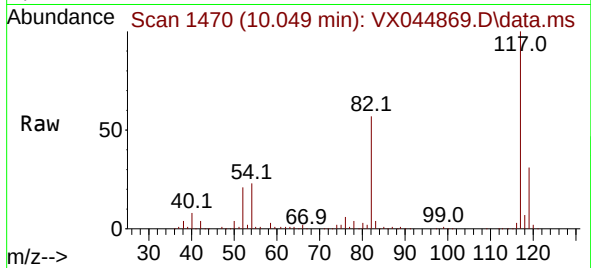




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

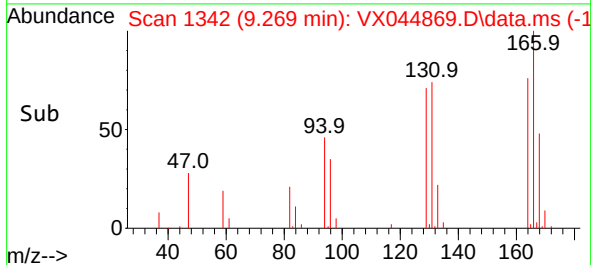
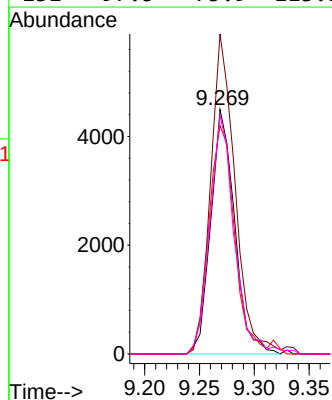
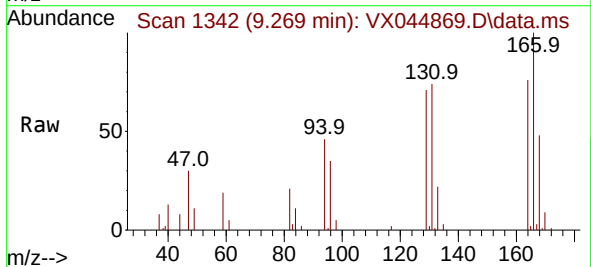
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

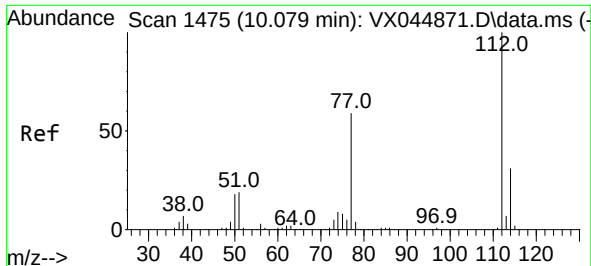
Tgt Ion:	117	Resp:	218625
Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.5	71.3
119	31.4	25.4	38.0



#64
Tetrachloroethene
Concen: 4.934 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:	164	Resp:	6803
Ion	Ratio	Lower	Upper
164	100		
166	130.9	100.4	150.6
129	93.4	79.9	119.9
131	97.5	75.9	113.9

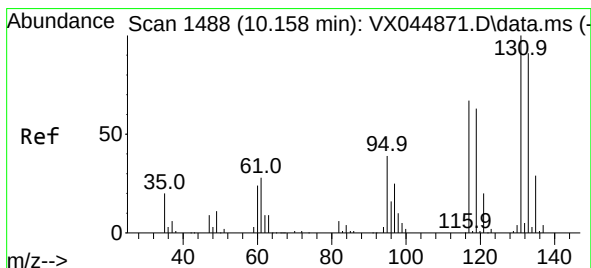
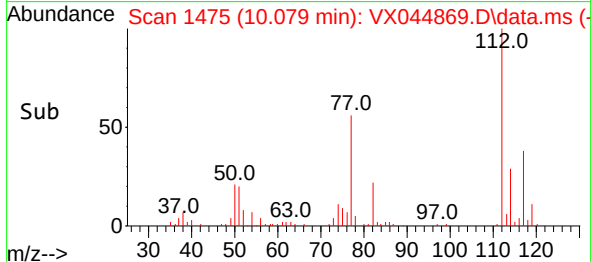
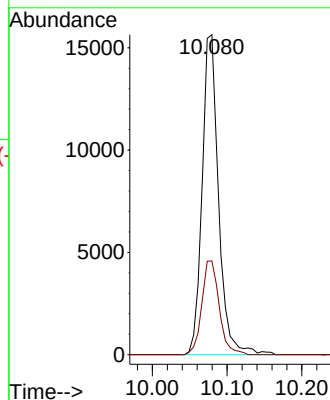
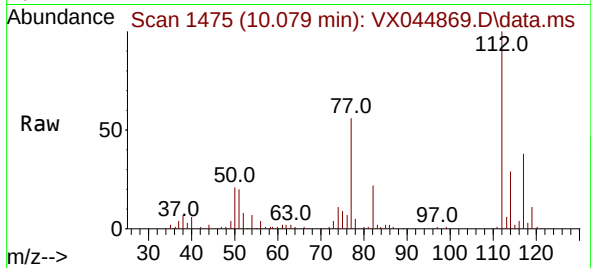




#65
Chlorobenzene
Concen: 5.090 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

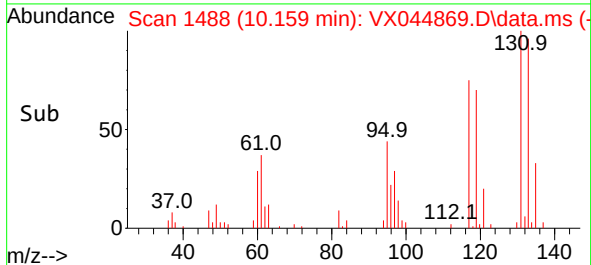
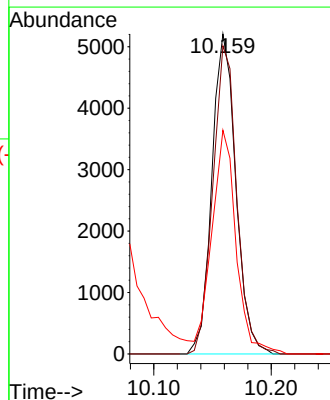
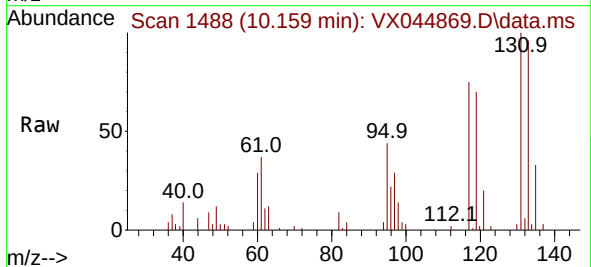
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

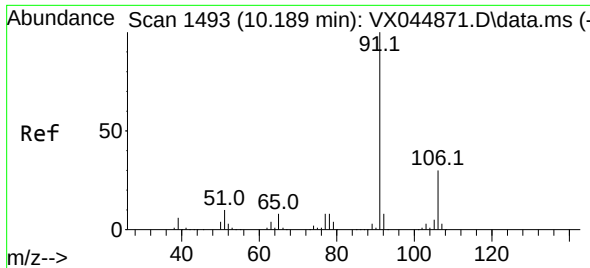
Tgt Ion:112 Resp: 23903
Ion Ratio Lower Upper
112 100
114 29.3 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 4.883 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:131 Resp: 7380
Ion Ratio Lower Upper
131 100
133 96.2 47.1 141.3
119 70.5 33.6 100.6

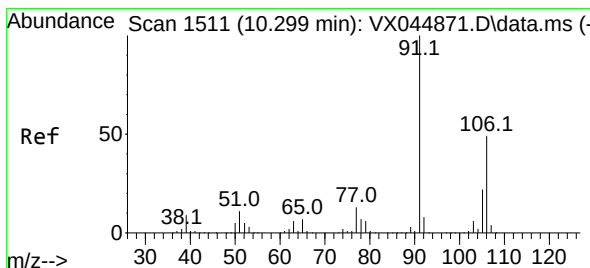
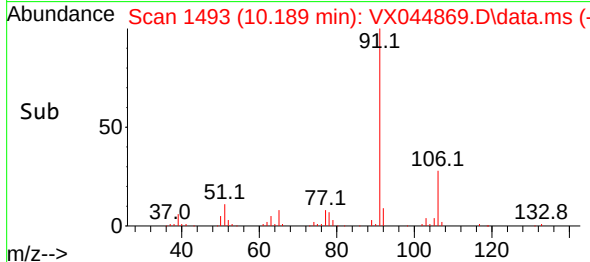
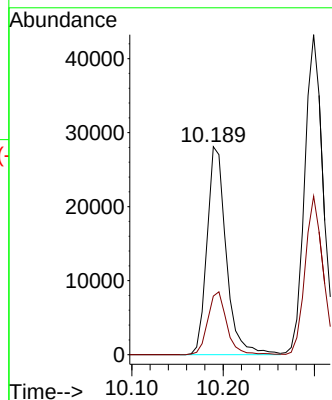
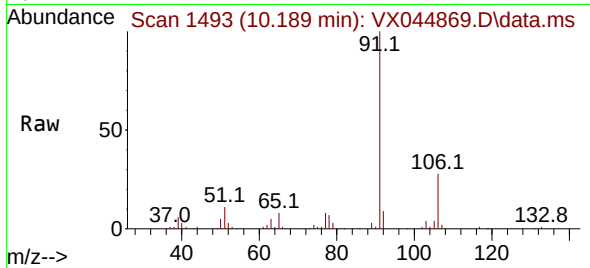




#67
Ethyl Benzene
Concen: 4.941 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

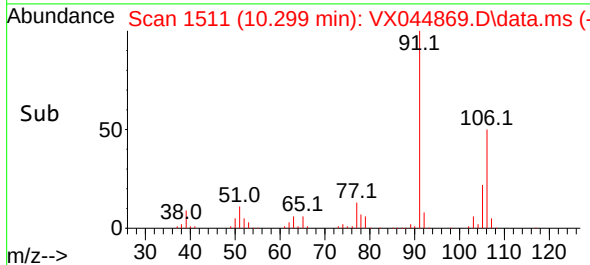
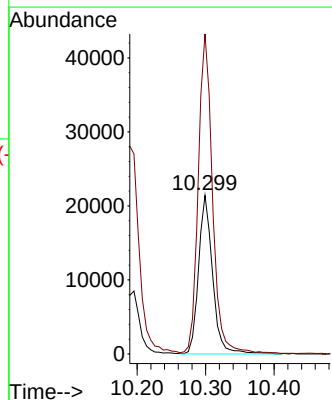
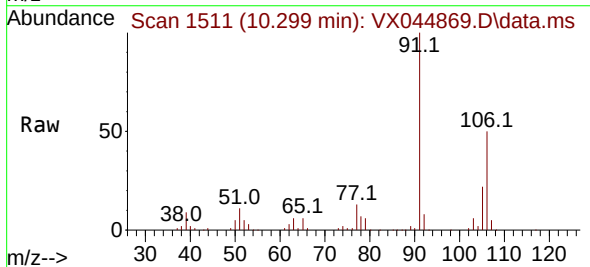
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

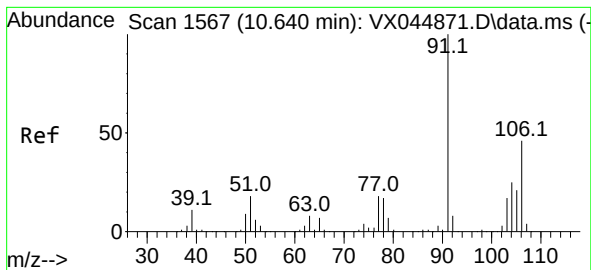
Tgt Ion: 91 Resp: 40945
Ion Ratio Lower Upper
91 100
106 28.1 23.9 35.9



#68
m/p-Xylenes
Concen: 10.019 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 106 Resp: 30627
Ion Ratio Lower Upper
106 100
91 204.6 164.3 246.5

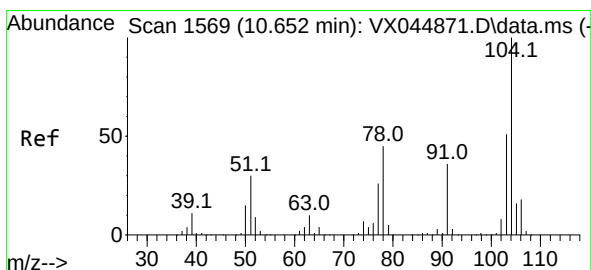
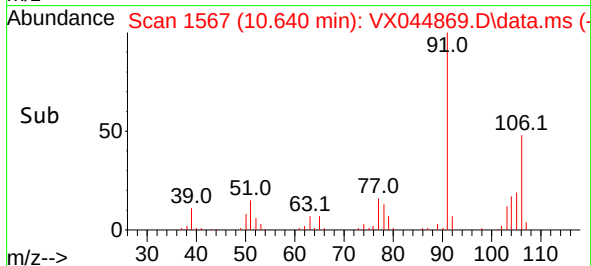
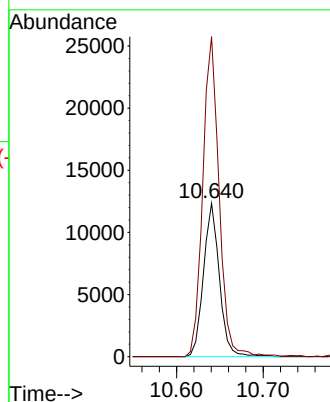
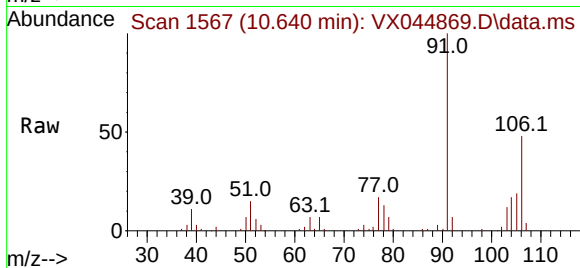




#69
o-Xylene
Concen: 5.139 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

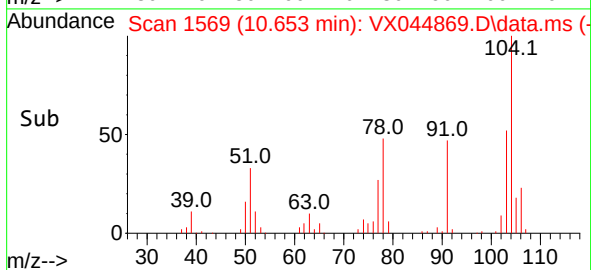
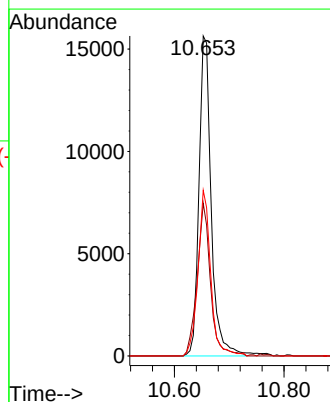
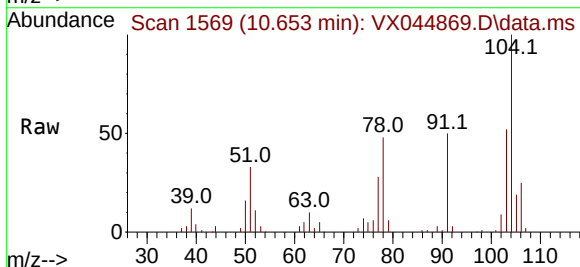
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

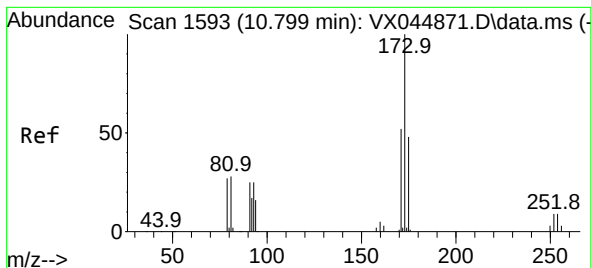
Tgt Ion:106 Resp: 15761
Ion Ratio Lower Upper
106 100
91 213.9 108.5 325.5



#70
Styrene
Concen: 4.973 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:104 Resp: 24576
Ion Ratio Lower Upper
104 100
78 51.3 40.5 60.7
103 53.4 43.6 65.4





#71

Bromoform

Concen: 4.779 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

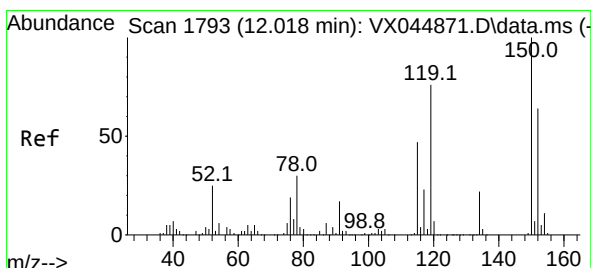
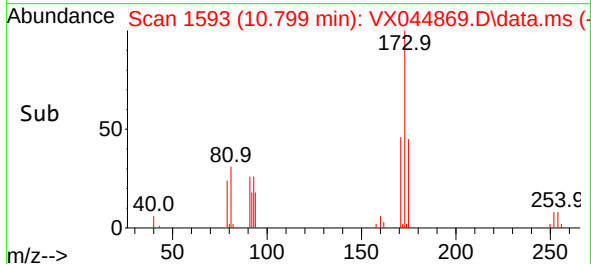
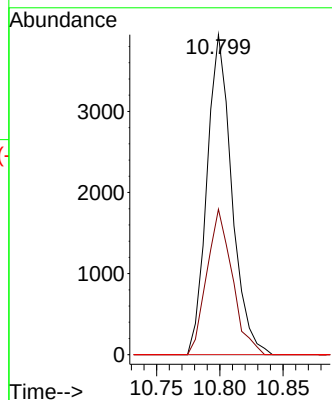
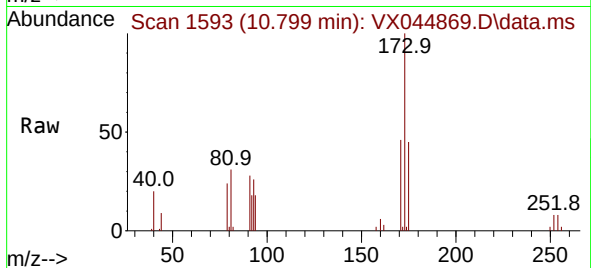
Tgt Ion:173 Resp: 5391

Ion Ratio Lower Upper

173 100

175 46.6 24.3 72.8

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: VX044869.D

Acq: 10 Feb 2025 10:48

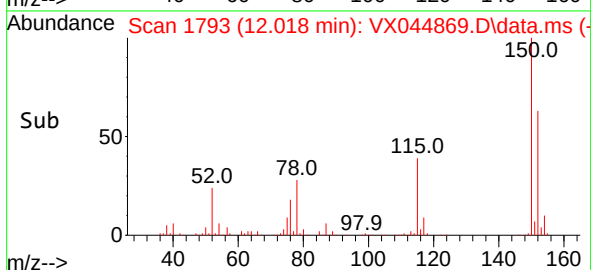
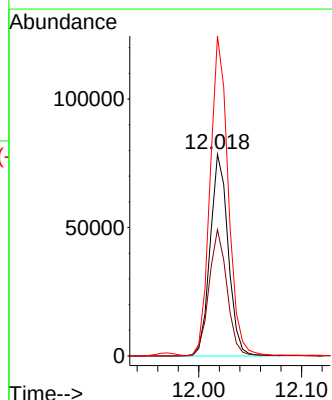
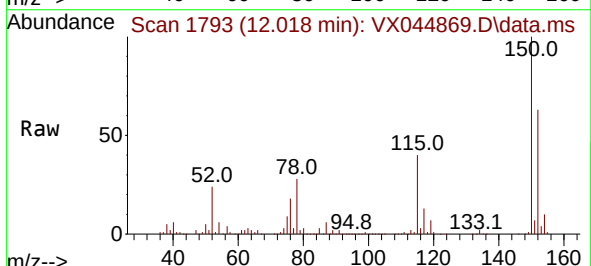
Tgt Ion:152 Resp: 95494

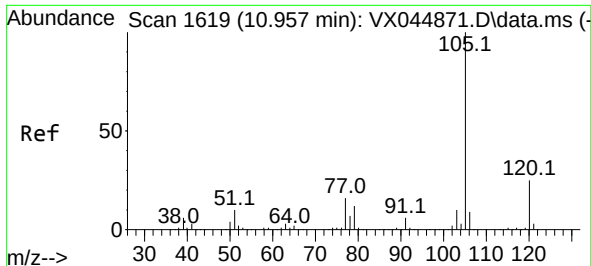
Ion Ratio Lower Upper

152 100

115 63.3 43.4 130.1

150 159.0 0.0 350.4

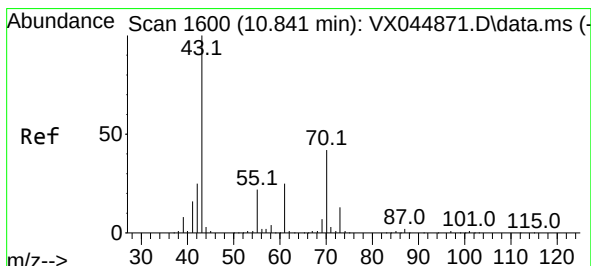
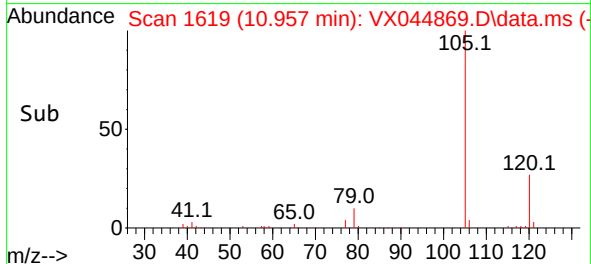
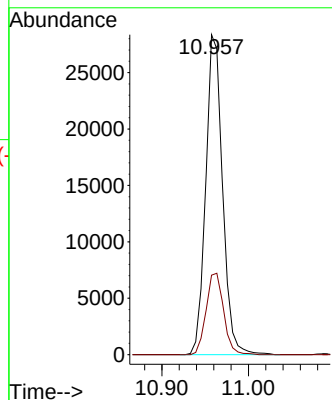
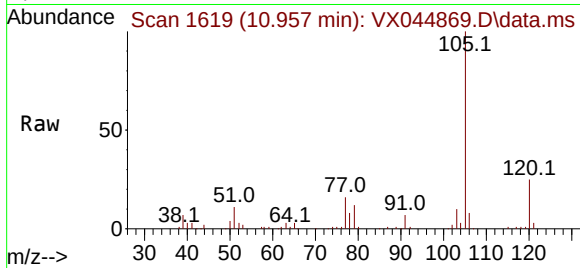




#73
Isopropylbenzene
Concen: 4.983 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

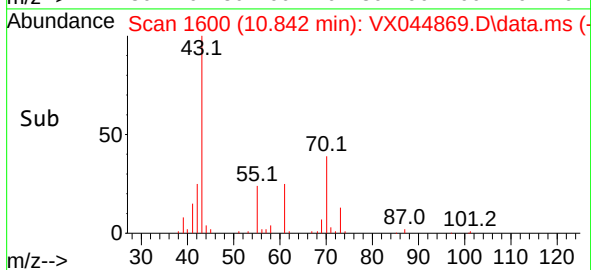
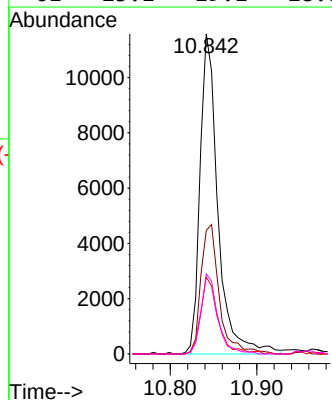
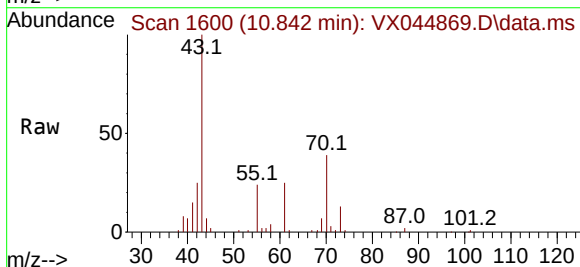
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

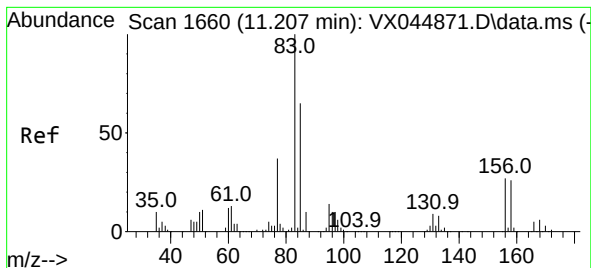
Tgt Ion:105 Resp: 38315
Ion Ratio Lower Upper
105 100
120 26.5 13.2 39.5



#74
N-ethyl acetate
Concen: 4.786 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 43 Resp: 16653
Ion Ratio Lower Upper
43 100
70 41.5 33.7 50.5
55 23.5 18.6 27.8
61 23.1 19.1 28.7

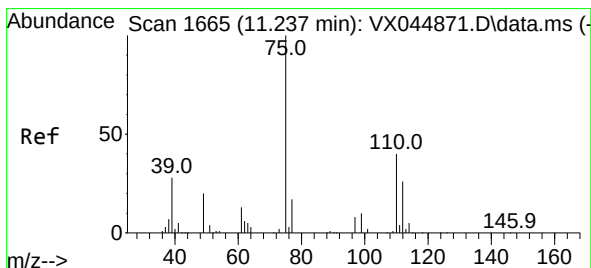
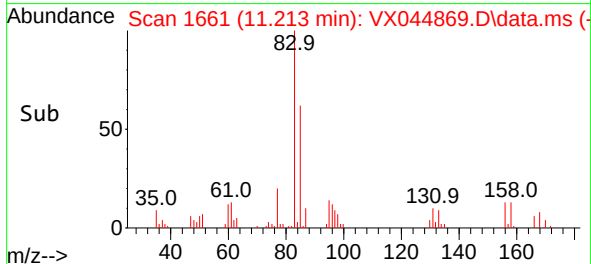
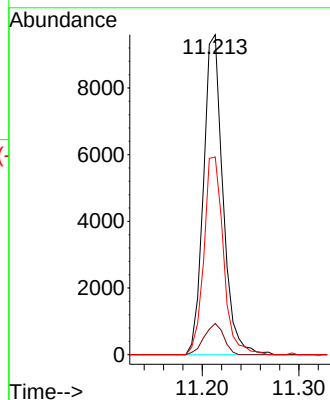
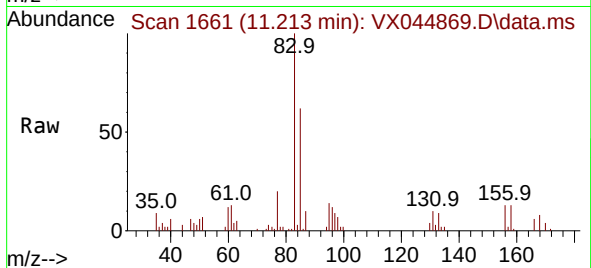




#75
1,1,2,2-Tetrachloroethane
Concen: 5.069 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

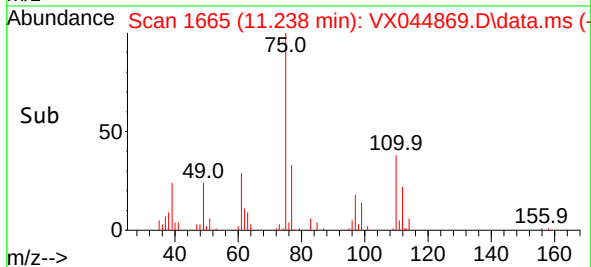
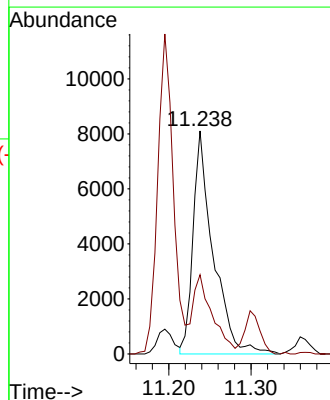
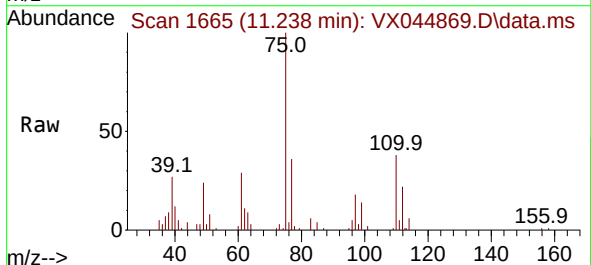
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

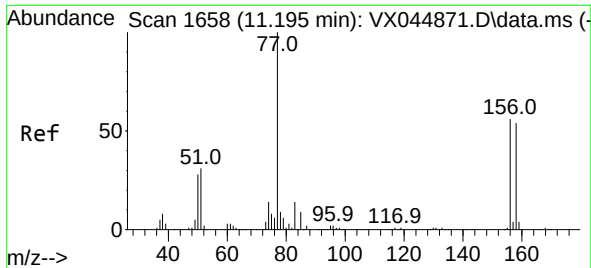
Tgt Ion: 83 Resp: 13394
Ion Ratio Lower Upper
83 100
131 9.8 4.5 13.5
85 62.1 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 6.498 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 75 Resp: 13757
Ion Ratio Lower Upper
75 100
77 35.3 21.9 65.7

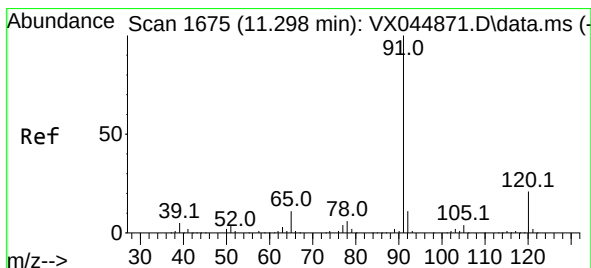
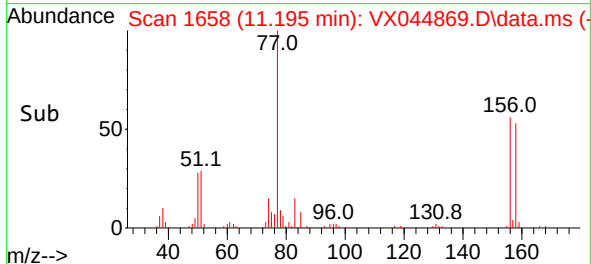
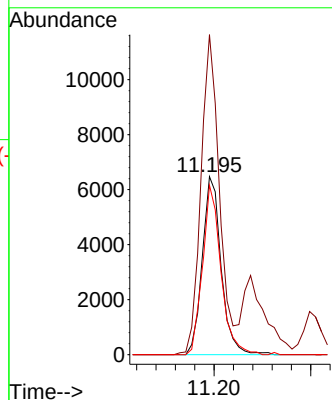
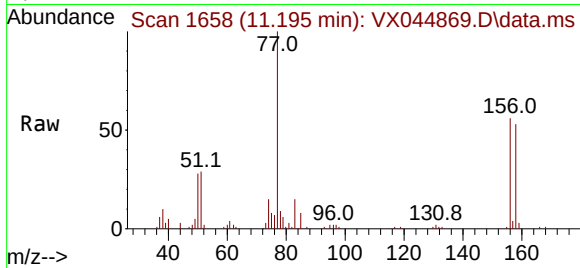




#77
Bromobenzene
Concen: 5.042 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

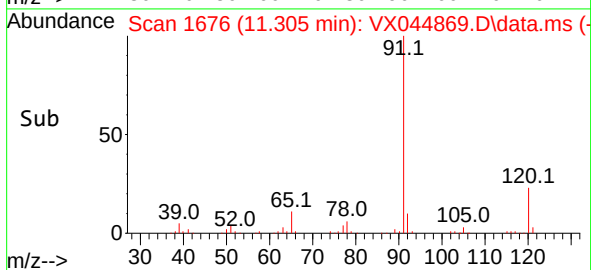
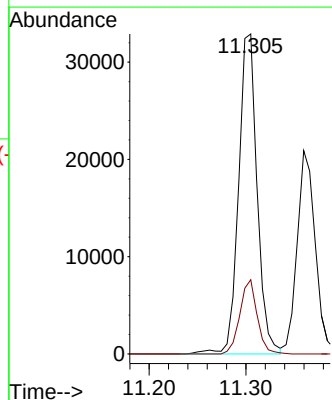
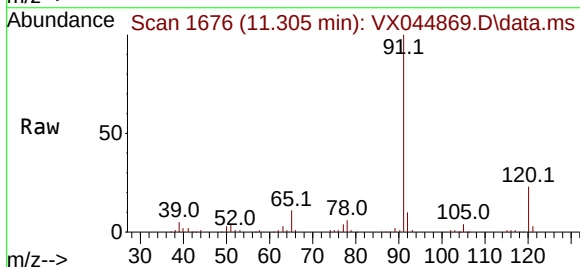
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

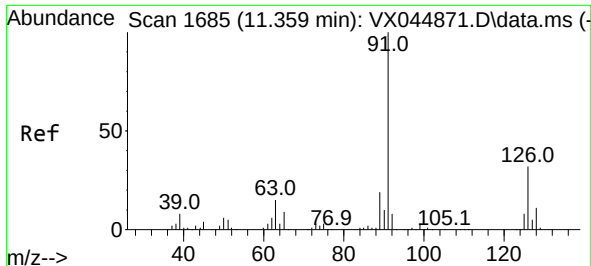
Tgt Ion:156 Resp: 8789
Ion Ratio Lower Upper
156 100
77 174.1 88.4 265.3
158 92.9 48.4 145.2



#78
n-propylbenzene
Concen: 4.949 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 91 Resp: 43923
Ion Ratio Lower Upper
91 100
120 21.6 11.1 33.3

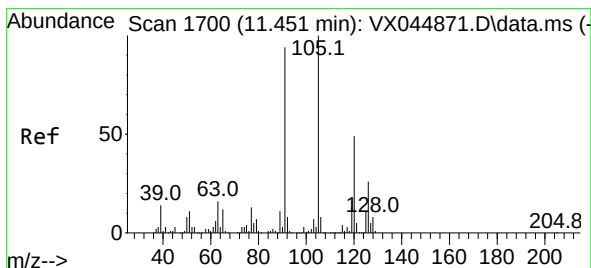
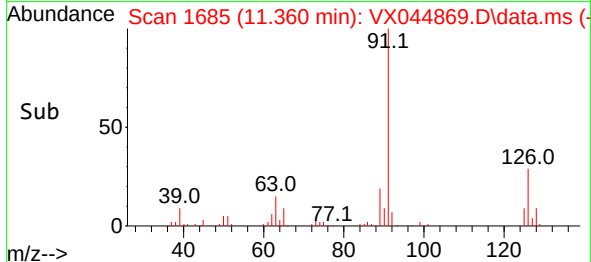
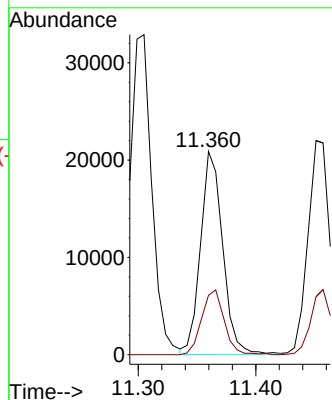
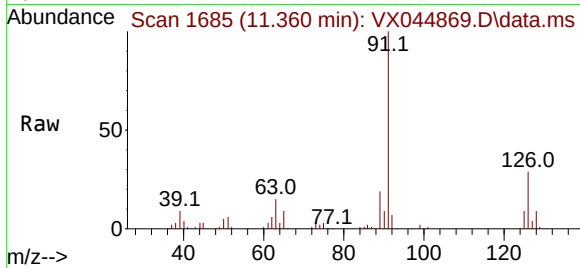




#79
2-Chlorotoluene
Concen: 5.007 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

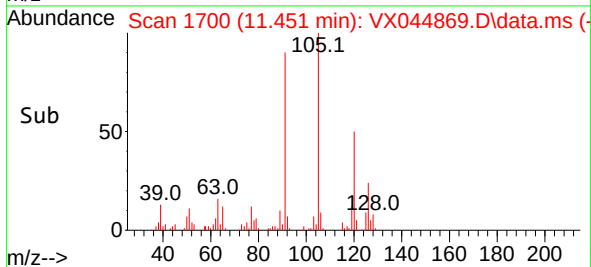
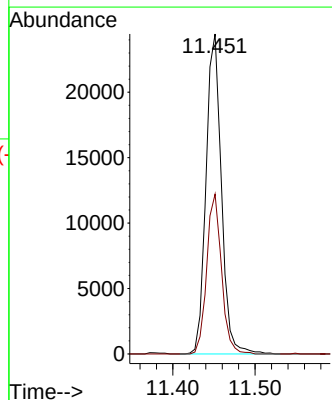
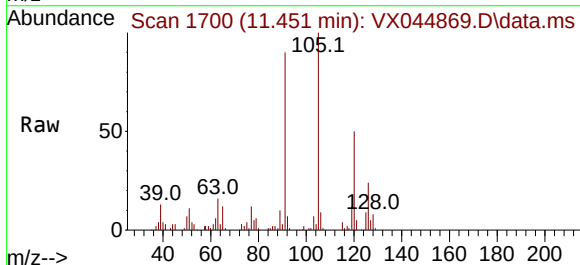
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

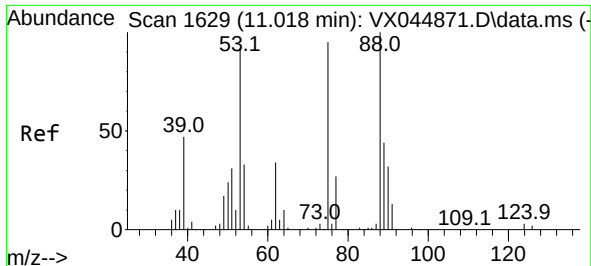
Tgt Ion: 91 Resp: 27311
Ion Ratio Lower Upper
91 100
126 32.4 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 5.090 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 105 Resp: 31761
Ion Ratio Lower Upper
105 100
120 48.1 24.0 72.0

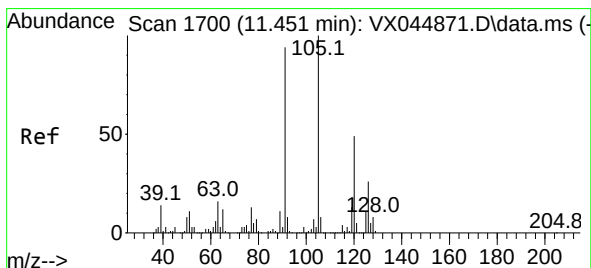
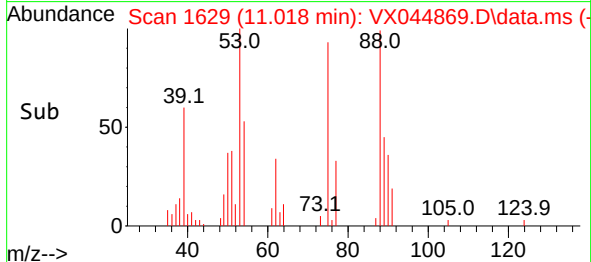
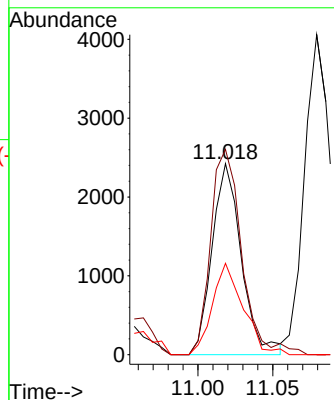
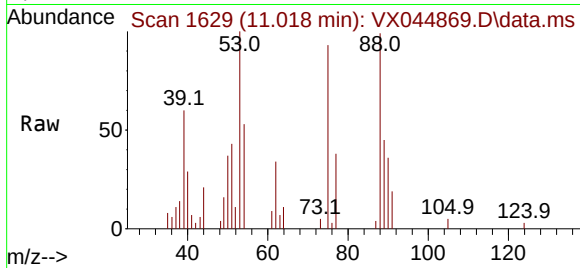




#81
trans-1,4-Dichloro-2-butene
Concen: 4.013 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

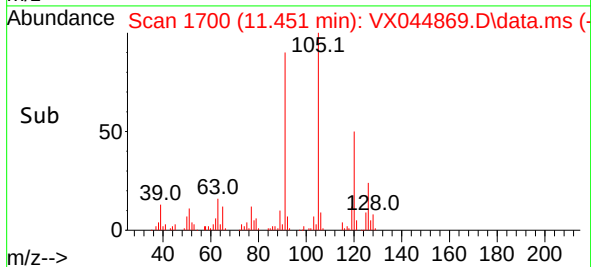
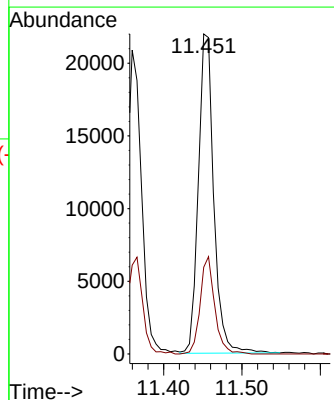
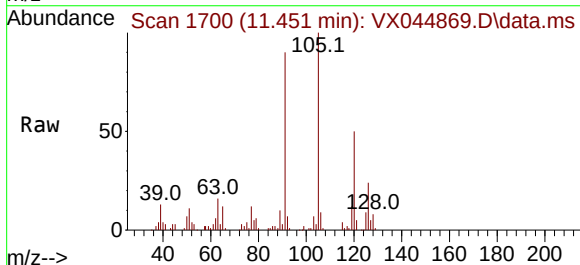
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

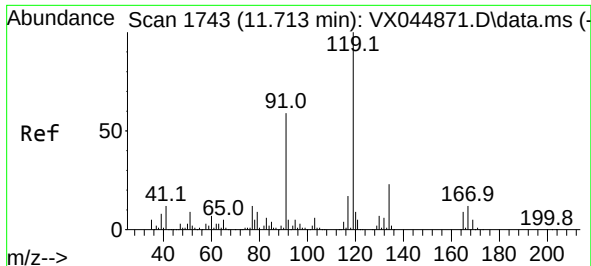
Tgt Ion: 75 Resp: 3303
Ion Ratio Lower Upper
75 100
53 113.7 78.0 117.0
89 50.2 36.6 54.8



#82
4-Chlorotoluene
Concen: 4.994 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 91 Resp: 30138
Ion Ratio Lower Upper
91 100
126 28.7 14.2 42.6

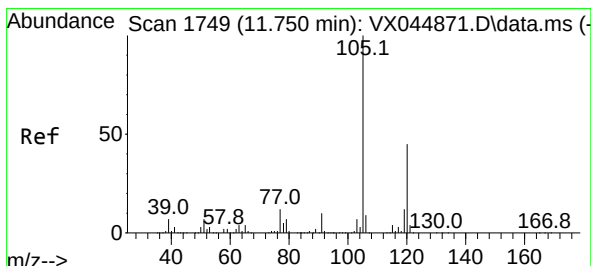
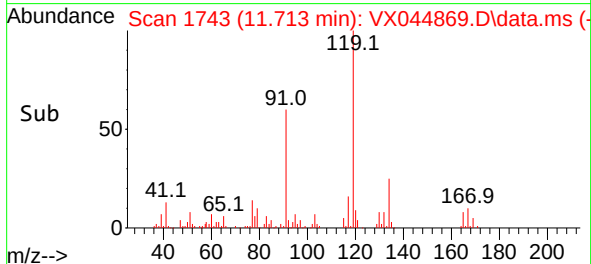
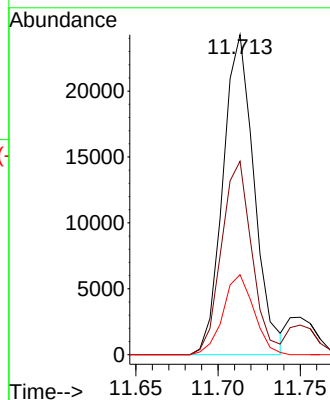
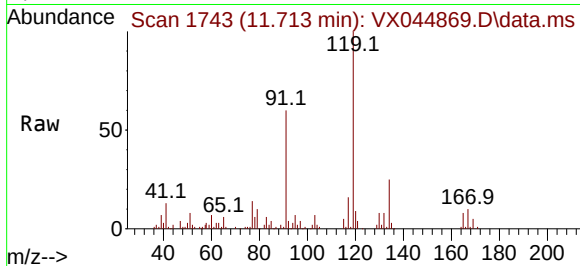




#83
 tert-Butylbenzene
 Concen: 5.068 ug/l
 RT: 11.713 min Scan# 1743
 Delta R.T. 0.000 min
 Lab File: VX044869.D
 Acq: 10 Feb 2025 10:48

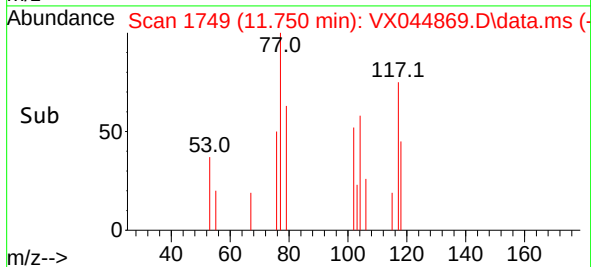
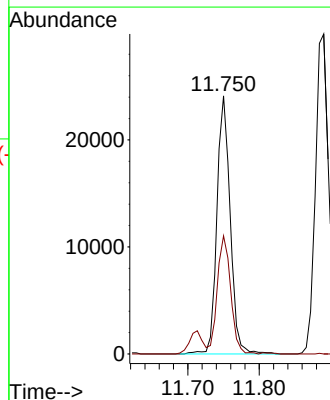
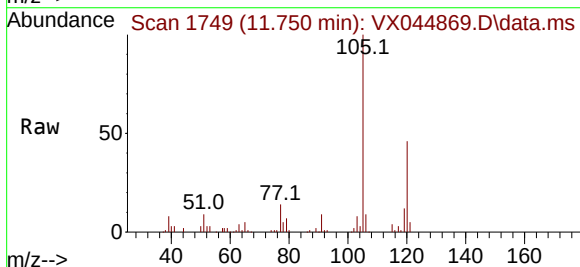
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

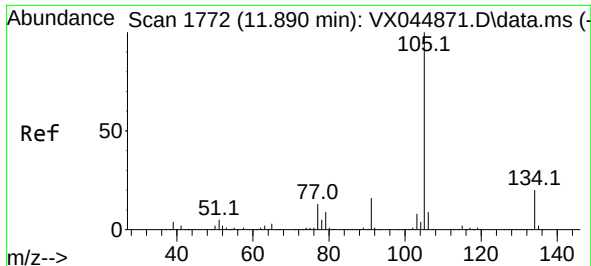
Tgt Ion:	119	Resp:	31992
Ion	Ratio	Lower	Upper
119	100		
91	59.3	29.1	87.4
134	24.7	11.5	34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 5.042 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX044869.D
 Acq: 10 Feb 2025 10:48

Tgt Ion:	105	Resp:	31053
Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.4	67.0

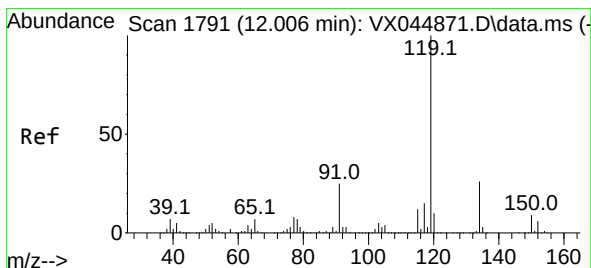
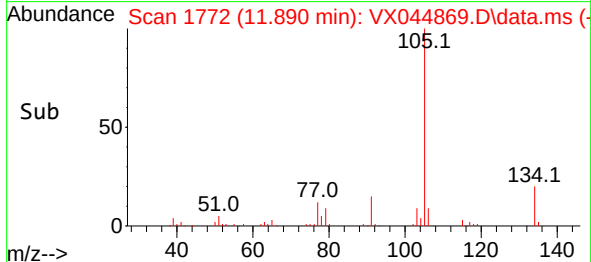
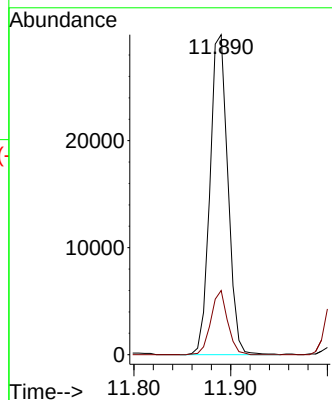
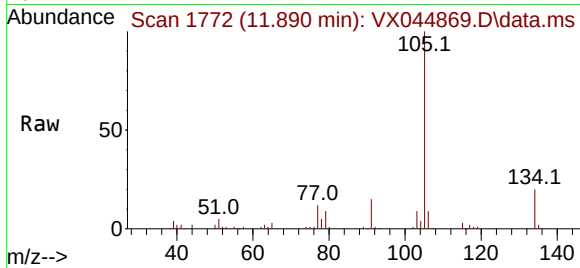




#85
 sec-Butylbenzene
 Concen: 4.917 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX044869.D
 Acq: 10 Feb 2025 10:48

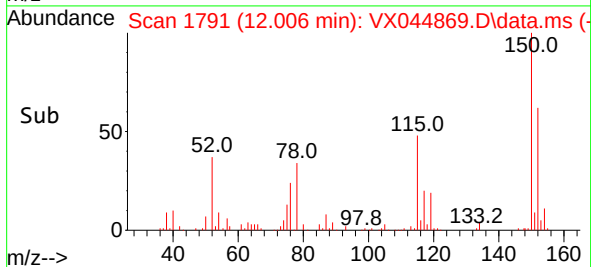
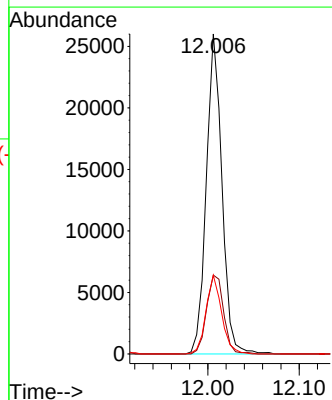
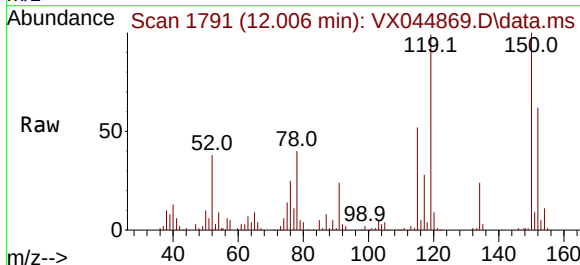
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

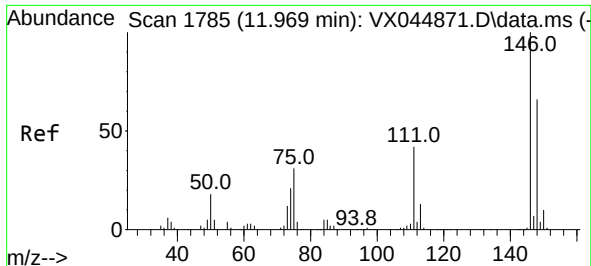
Tgt Ion:105 Resp: 38437
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 4.905 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX044869.D
 Acq: 10 Feb 2025 10:48

Tgt Ion:119 Resp: 30835
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.0 38.9
 91 24.6 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 4.971 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

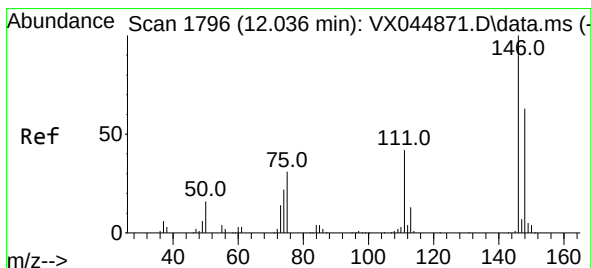
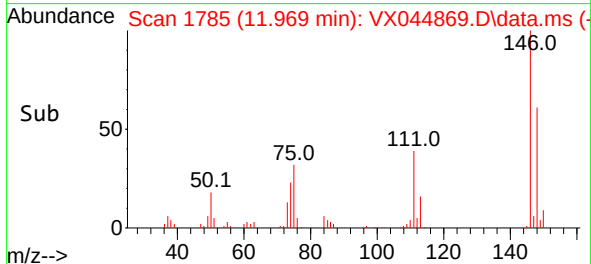
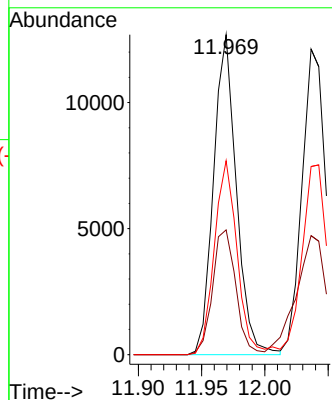
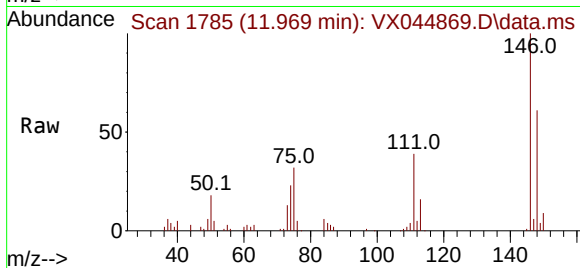
Tgt Ion:146 Resp: 15935

Ion Ratio Lower Upper

146 100

111 39.8 21.2 63.6

148 60.0 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 5.043 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

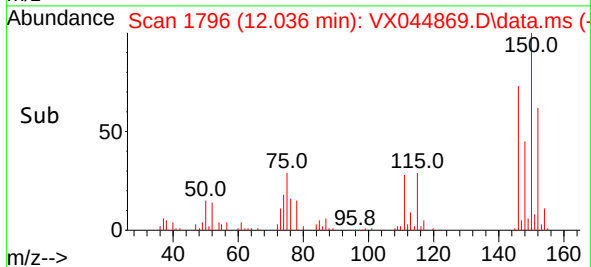
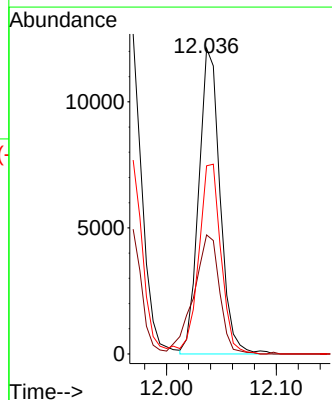
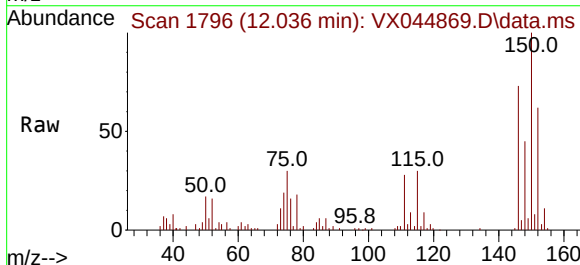
Tgt Ion:146 Resp: 16347

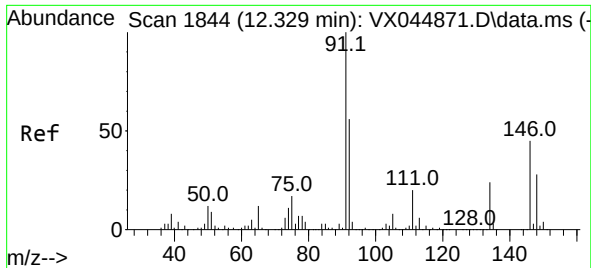
Ion Ratio Lower Upper

146 100

111 47.4 20.4 61.3

148 65.3 32.0 96.0





#89

n-Butylbenzene

Concen: 4.630 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

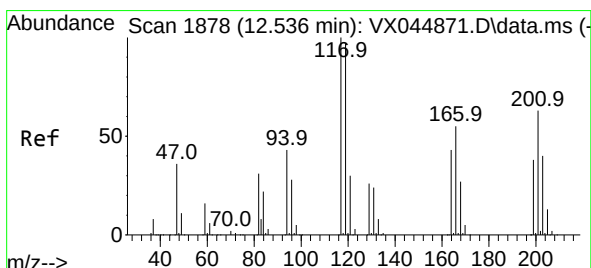
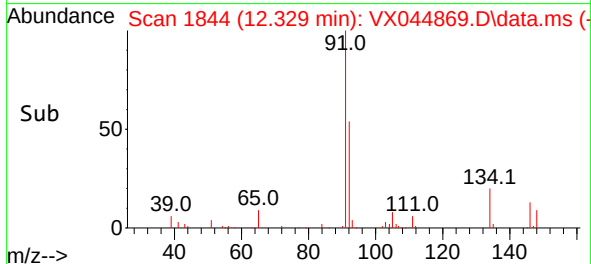
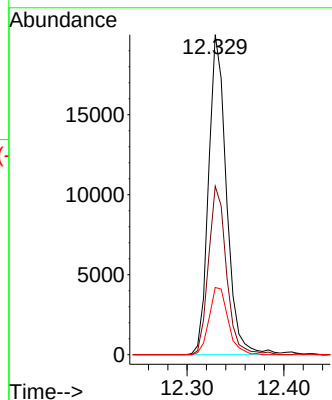
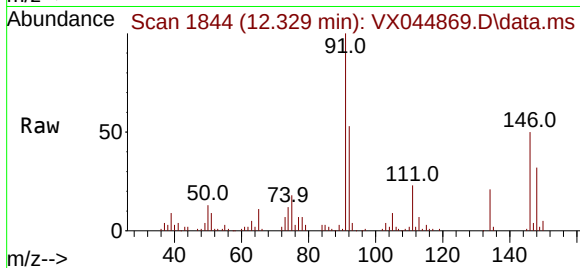
Tgt Ion: 91 Resp: 25747

Ion Ratio Lower Upper

91 100

92 52.8 27.2 81.6

134 22.3 12.1 36.3



#90

Hexachloroethane

Concen: 4.775 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044869.D

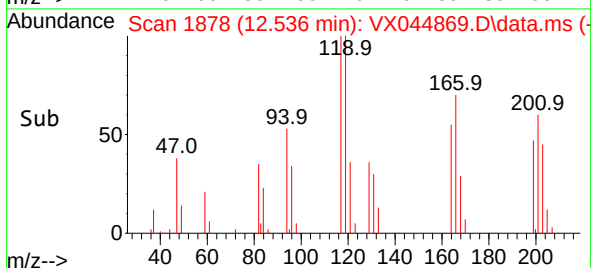
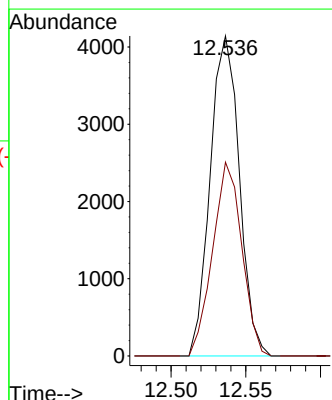
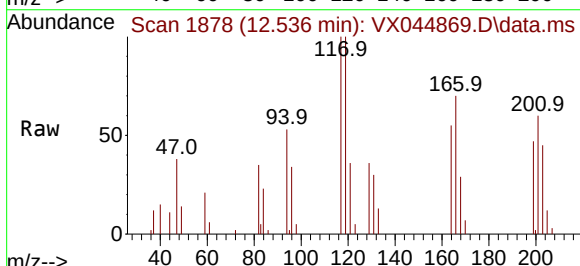
Acq: 10 Feb 2025 10:48

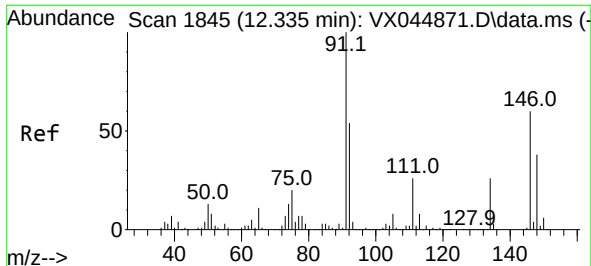
Tgt Ion: 117 Resp: 5620

Ion Ratio Lower Upper

117 100

201 60.6 32.5 97.5

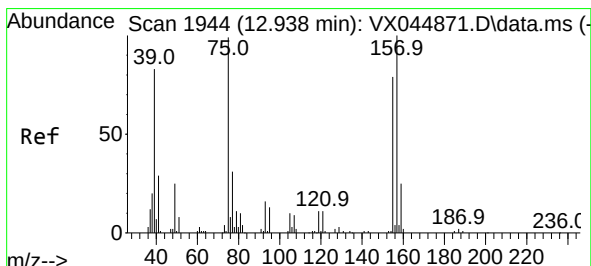
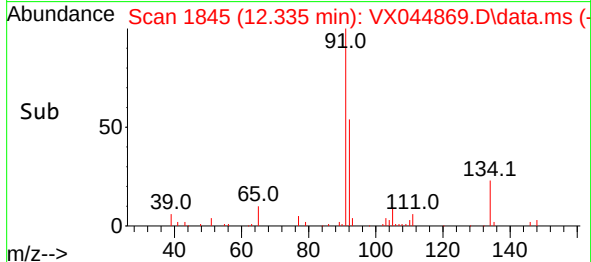
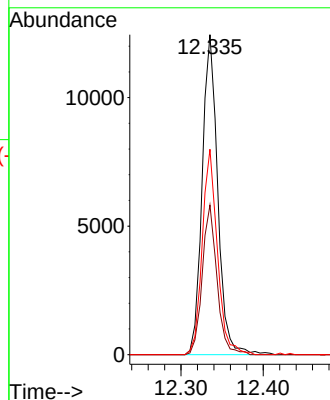
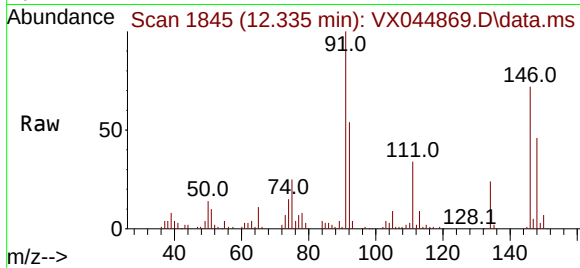




#91
1,2-Dichlorobenzene
Concen: 5.193 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

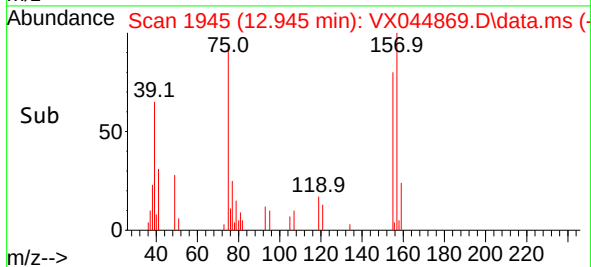
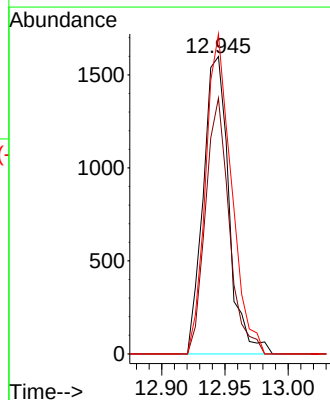
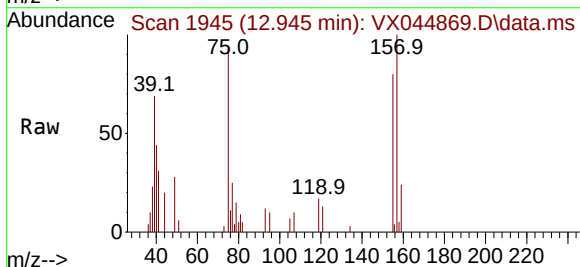
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

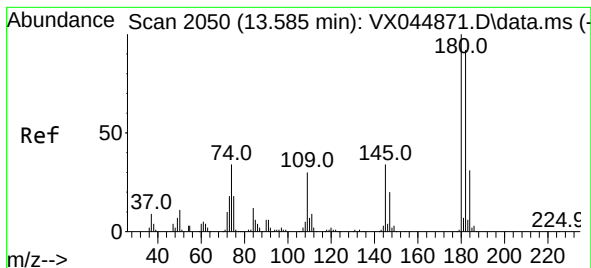
Tgt Ion:146 Resp: 16362
Ion Ratio Lower Upper
146 100
111 44.3 21.8 65.4
148 62.7 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.674 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion: 75 Resp: 2254
Ion Ratio Lower Upper
75 100
155 80.0 40.5 121.4
157 108.1 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 4.680 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

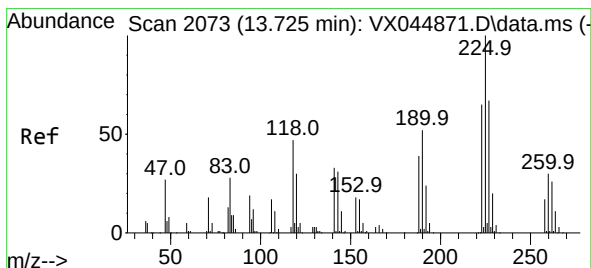
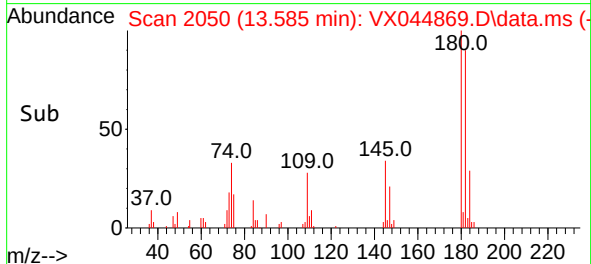
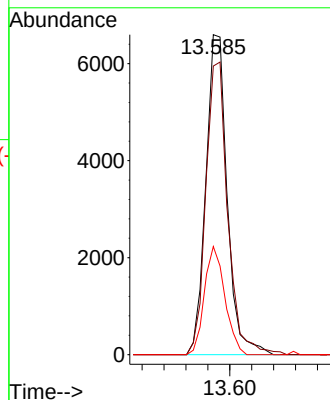
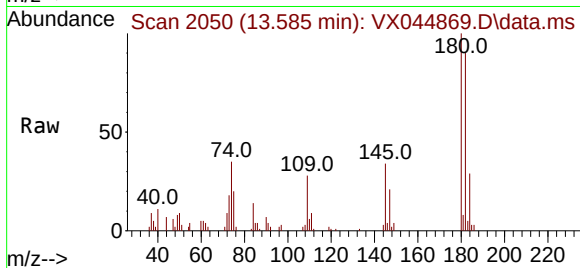
Tgt Ion:180 Resp: 8923

Ion Ratio Lower Upper

180 100

182 93.9 47.6 142.8

145 32.3 16.4 49.1



#94

Hexachlorobutadiene

Concen: 4.750 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX044869.D

Acq: 10 Feb 2025 10:48

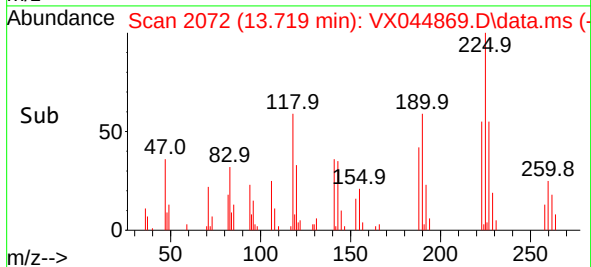
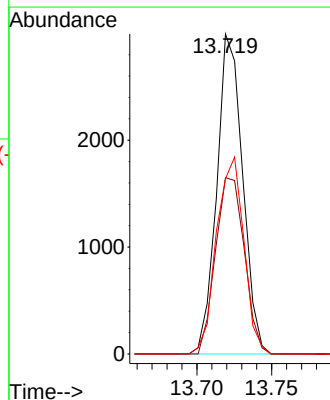
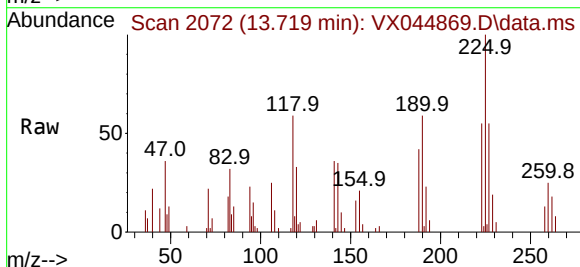
Tgt Ion:225 Resp: 3595

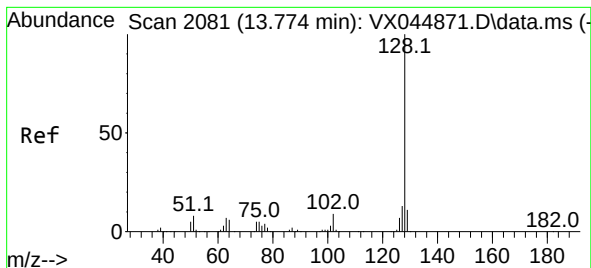
Ion Ratio Lower Upper

225 100

223 61.5 31.4 94.2

227 65.1 32.3 96.8

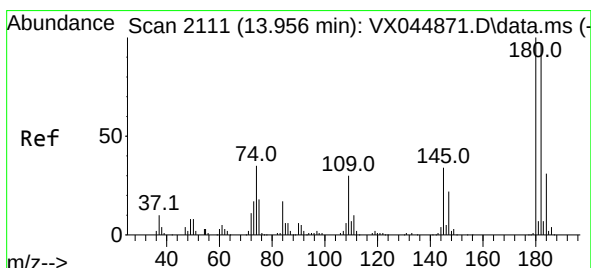
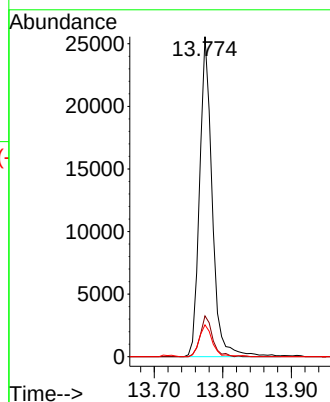
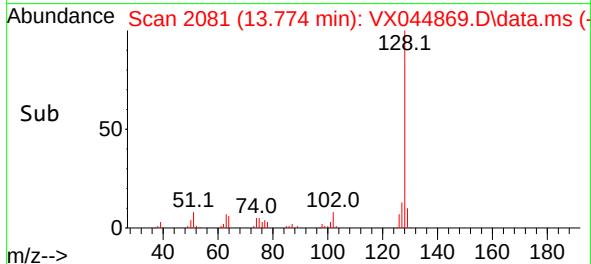
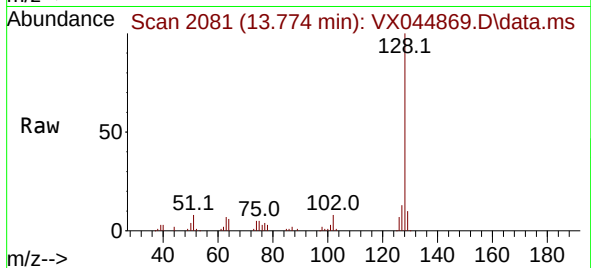




#95
Naphthalene
Concen: 4.756 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

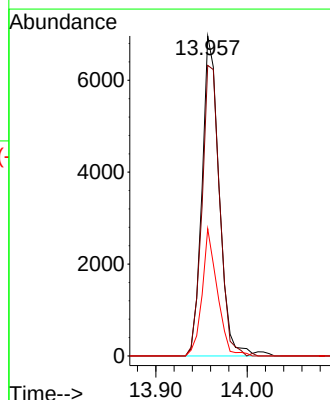
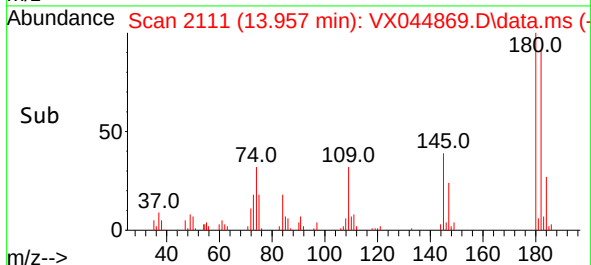
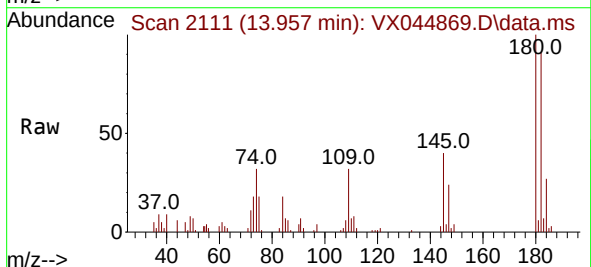
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:	128	Resp:	32776
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.1	15.1
129	10.3	8.9	13.3



#96
1,2,3-Trichlorobenzene
Concen: 4.733 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044869.D
Acq: 10 Feb 2025 10:48

Tgt Ion:	180	Resp:	9093
Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.9	143.6
145	35.0	17.1	51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044870.D
 Acq On : 10 Feb 2025 11:11
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Quant Time: Feb 11 02:00:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	129532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	234445	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	207667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92093	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	37195	19.616	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	39.240%#
35) Dibromofluoromethane	5.379	113	30170	19.793	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	39.580%#
50) Toluene-d8	8.647	98	117127	20.321	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	40.640%#
62) 4-Bromofluorobenzene	11.079	95	38475	19.800	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	39.600%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	37123	20.434	ug/l	98
3) Chloromethane	1.301	50	44666	20.200	ug/l	95
4) Vinyl Chloride	1.374	62	43901	20.494	ug/l	99
5) Bromomethane	1.593	94	13057	20.369	ug/l	99
6) Chloroethane	1.660	64	14523	16.522	ug/l	94
7) Trichlorofluoromethane	1.868	101	56805	20.969	ug/l	98
8) Diethyl Ether	2.130	74	20699	21.069	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	34593	21.135	ug/l	99
10) Methyl Iodide	2.441	142	44749	21.096	ug/l	99
11) Tert butyl alcohol	2.989	59	35834	101.870	ug/l	100
12) 1,1-Dichloroethene	2.307	96	34270	20.526	ug/l	99
13) Acrolein	2.233	56	33914	93.445	ug/l	99
14) Allyl chloride	2.654	41	61485	20.377	ug/l	98
15) Acrylonitrile	3.063	53	98518	104.896	ug/l	98
16) Acetone	2.380	43	77078	101.119	ug/l	98
17) Carbon Disulfide	2.502	76	92552	20.216	ug/l	99
18) Methyl Acetate	2.703	43	47970	19.943	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	110377	20.779	ug/l	98
20) Methylene Chloride	2.782	84	38390	20.562	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	34064	20.730	ug/l	92
22) Diisopropyl ether	3.757	45	120300	21.074	ug/l	93
23) Vinyl Acetate	3.715	43	490239	105.341	ug/l	99
24) 1,1-Dichloroethane	3.599	63	66942	20.958	ug/l	99
25) 2-Butanone	4.556	43	130481	105.417	ug/l	96
26) 2,2-Dichloropropane	4.471	77	51803	20.451	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	42096	21.328	ug/l	97
28) Bromochloromethane	4.885	49	31474	20.504	ug/l	99
29) Tetrahydrofuran	5.001	42	86875	105.700	ug/l	99
30) Chloroform	5.087	83	65721	21.217	ug/l	98
31) Cyclohexane	5.458	56	60814	20.653	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	54450	20.724	ug/l	100
36) 1,1-Dichloropropene	5.684	75	45991	20.913	ug/l	99
37) Ethyl Acetate	4.715	43	51242	20.949	ug/l	99
38) Carbon Tetrachloride	5.666	117	44802	20.790	ug/l	99
39) Methylcyclohexane	7.373	83	62505	21.985	ug/l	98
40) Benzene	6.031	78	147912	21.540	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044870.D
 Acq On : 10 Feb 2025 11:11
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: Feb 11 02:00:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	27347	20.887	ug/l	94
42) 1,2-Dichloroethane	6.086	62	47095	21.519	ug/l	100
43) Isopropyl Acetate	6.336	43	84306	21.343	ug/l	99
44) Trichloroethene	7.123	130	34390	21.910	ug/l	96
45) 1,2-Dichloropropane	7.428	63	36510	21.371	ug/l	99
46) Dibromomethane	7.574	93	25300	21.354	ug/l	99
47) Bromodichloromethane	7.818	83	48202	21.012	ug/l	97
48) Methyl methacrylate	7.690	41	39747	21.341	ug/l	100
49) 1,4-Dioxane	7.665	88	17153	429.262	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	263394	109.684	ug/l	99
52) Toluene	8.714	92	89726	21.940	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	48613	20.940	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	55026	21.259	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	33930	21.582	ug/l	98
56) Ethyl methacrylate	9.116	69	54674	21.533	ug/l	99
57) 1,3-Dichloropropane	9.305	76	60079	21.841	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	133072	106.736	ug/l	100
59) 2-Hexanone	9.427	43	190449	110.072	ug/l	98
60) Dibromochloromethane	9.519	129	35706	21.237	ug/l	99
61) 1,2-Dibromoethane	9.604	107	34463	21.628	ug/l	100
64) Tetrachloroethene	9.269	164	28519	21.776	ug/l	97
65) Chlorobenzene	10.073	112	94695	21.230	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	30344	21.136	ug/l	99
67) Ethyl Benzene	10.189	91	167865	21.327	ug/l	100
68) m/p-Xylenes	10.299	106	125271	43.144	ug/l	99
69) o-Xylene	10.640	106	62087	21.310	ug/l	97
70) Styrene	10.653	104	103740	22.101	ug/l	98
71) Bromoform	10.799	173	22592	21.086	ug/l #	99
73) Isopropylbenzene	10.957	105	160147	21.597	ug/l	99
74) N-amyl acetate	10.842	43	70542	21.023	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	52967	20.787	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	55632	27.246	ug/l	83
77) Bromobenzene	11.195	156	36021	21.426	ug/l	97
78) n-propylbenzene	11.299	91	183212	21.406	ug/l	99
79) 2-Chlorotoluene	11.360	91	111782	21.250	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	130526	21.691	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	15375	19.370	ug/l	96
82) 4-Chlorotoluene	11.451	91	122303	21.016	ug/l	100
83) tert-Butylbenzene	11.713	119	130358	21.414	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	130211	21.924	ug/l	100
85) sec-Butylbenzene	11.890	105	162875	21.607	ug/l	100
86) p-Isopropyltoluene	12.006	119	130643	21.551	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	64141	20.747	ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	64889	20.758	ug/l	98
89) n-Butylbenzene	12.329	91	113705	21.202	ug/l	100
90) Hexachloroethane	12.536	117	23153	20.398	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	64940	21.373	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9873	21.230	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	37308	20.292	ug/l	99
94) Hexachlorobutadiene	13.725	225	15312	20.979	ug/l	96
95) Naphthalene	13.774	128	142902	21.502	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	38389	20.722	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On : 10 Feb 2025 11:11
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

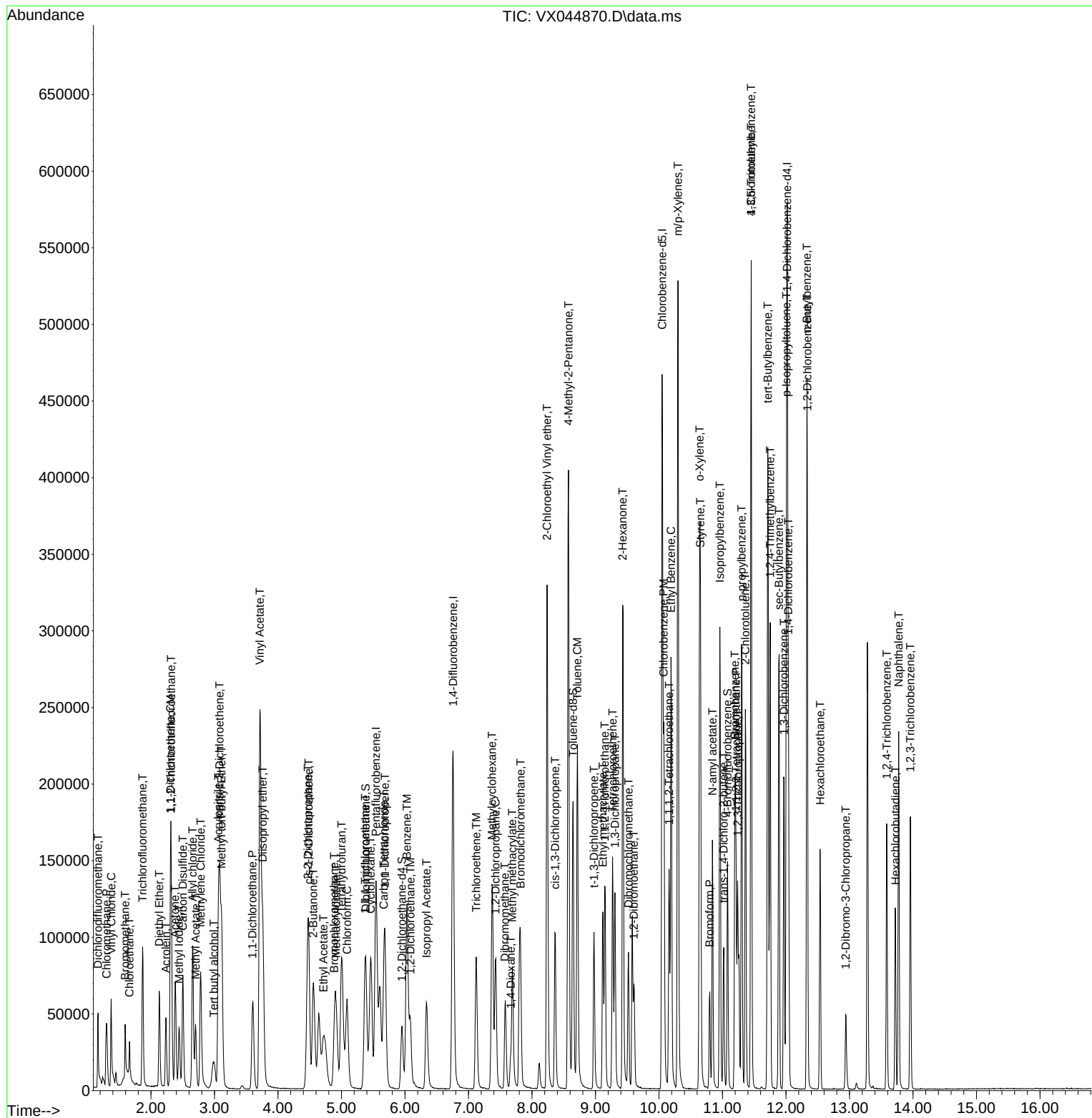
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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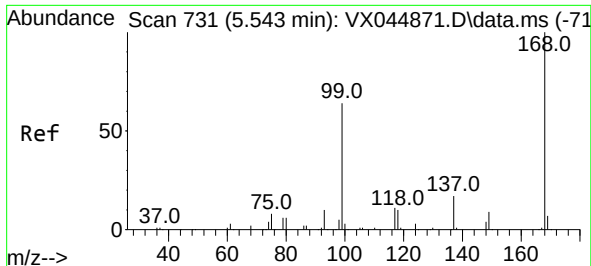
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044870.D
Acq On    : 10 Feb 2025  11:11
Operator  : JC/MD
Sample    : VSTDICC020
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 5      Sample Multiplier: 1
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Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: Feb 11 02:00:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

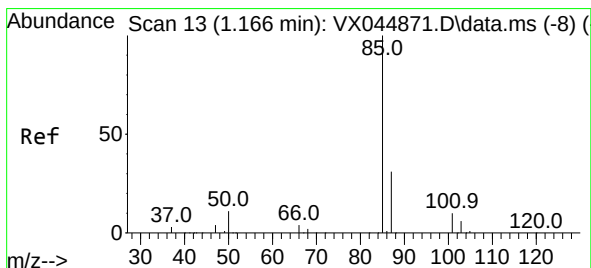
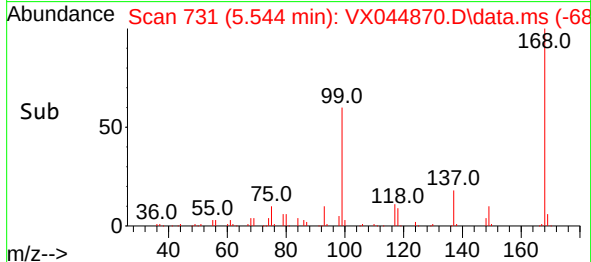
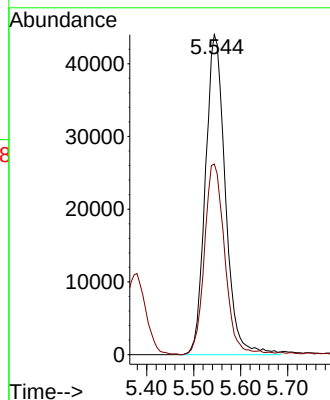
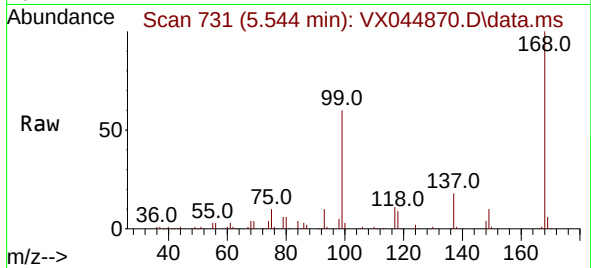




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

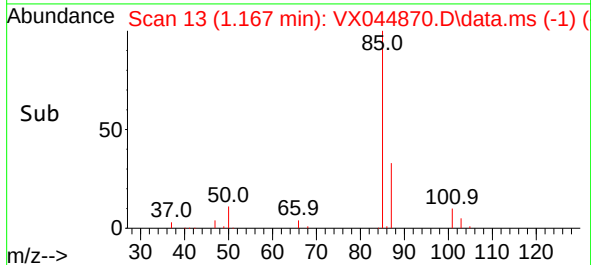
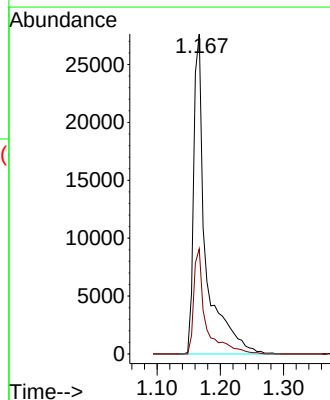
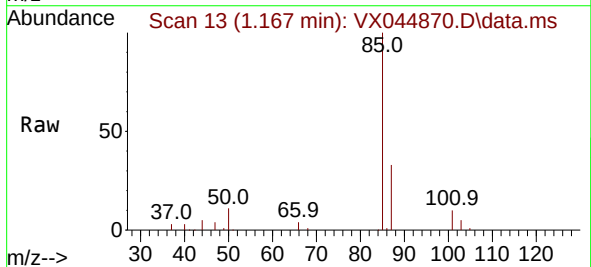
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

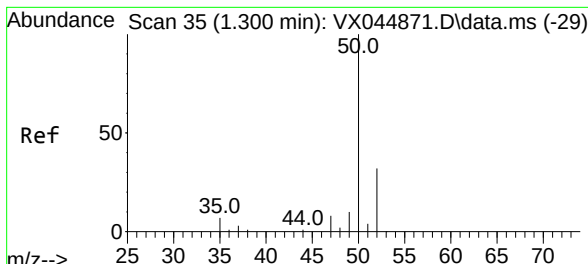
Tgt Ion:168 Resp: 129532
Ion Ratio Lower Upper
168 100
99 59.6 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 20.434 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 85 Resp: 37123
Ion Ratio Lower Upper
85 100
87 32.9 15.8 47.3

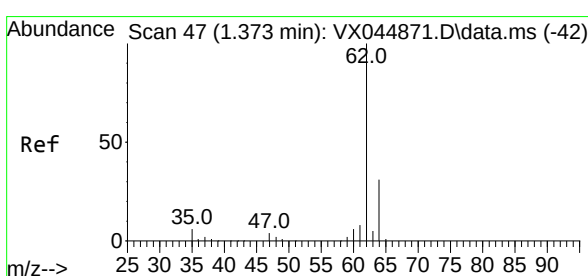
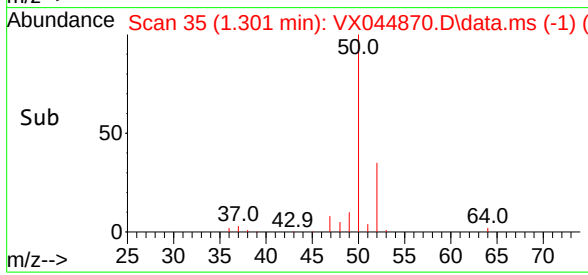
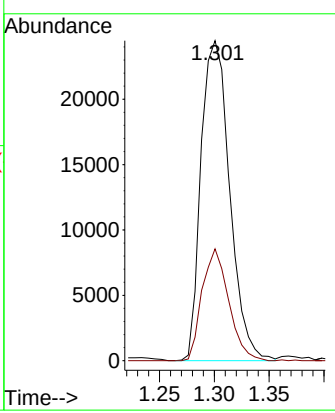
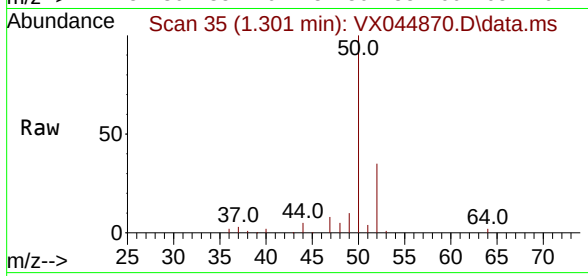




#3
 Chloromethane
 Concen: 20.200 ug/l
 RT: 1.301 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VX044870.D
 Acq: 10 Feb 2025 11:11

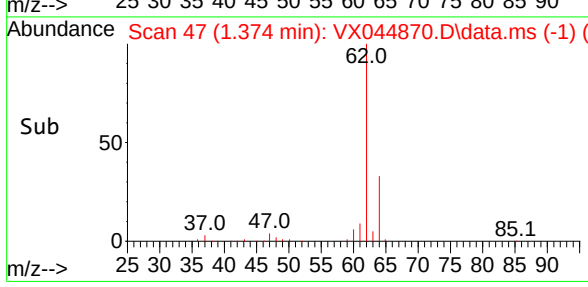
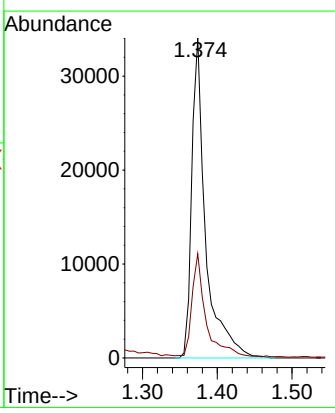
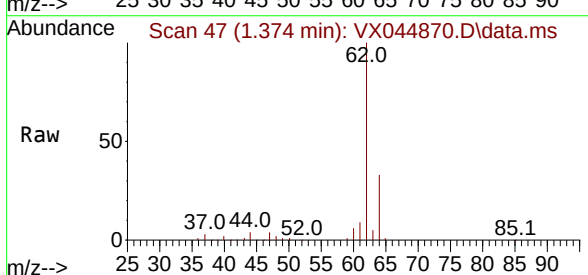
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

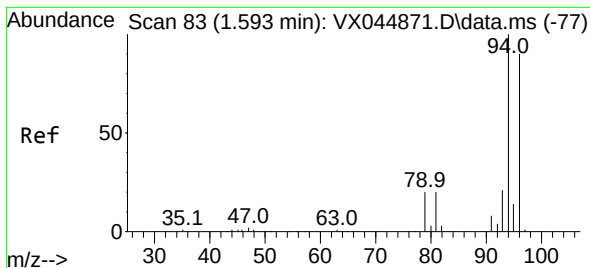
Tgt Ion:	50	Resp:	44666
Ion Ratio	Lower	Upper	
50	100		
52	35.0	25.9	38.9



#4
 Vinyl Chloride
 Concen: 20.494 ug/l
 RT: 1.374 min Scan# 47
 Delta R.T. 0.000 min
 Lab File: VX044870.D
 Acq: 10 Feb 2025 11:11

Tgt Ion:	62	Resp:	43901
Ion Ratio	Lower	Upper	
62	100		
64	32.2	25.4	38.0

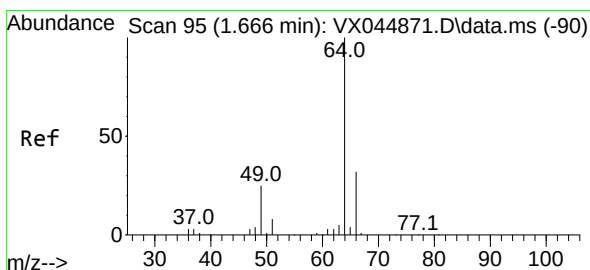
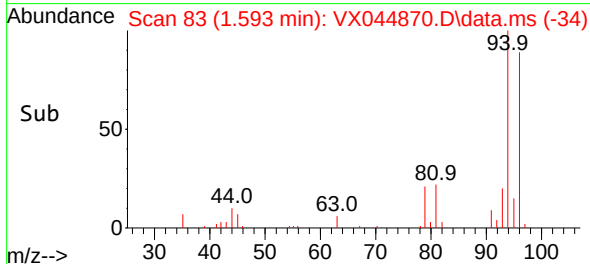
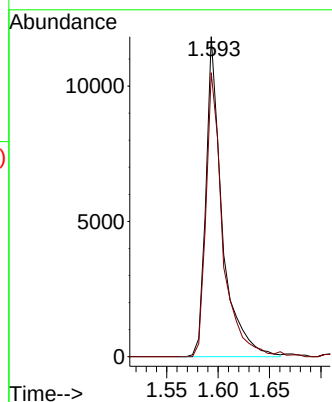
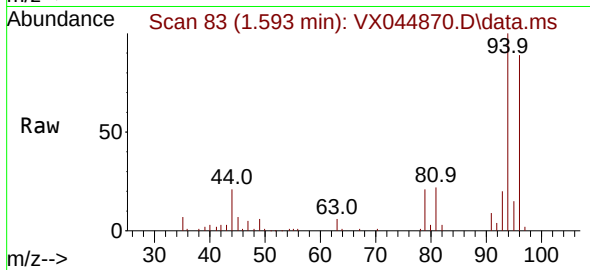




#5
Bromomethane
Concen: 20.369 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

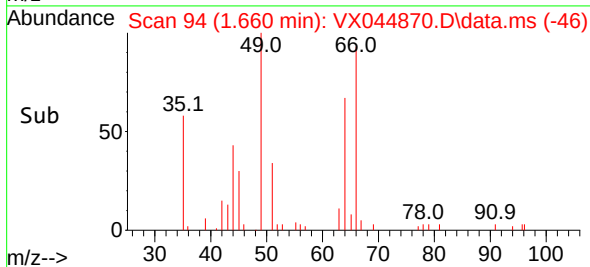
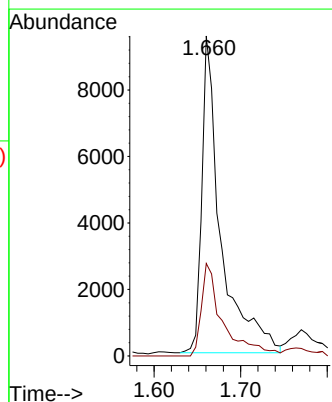
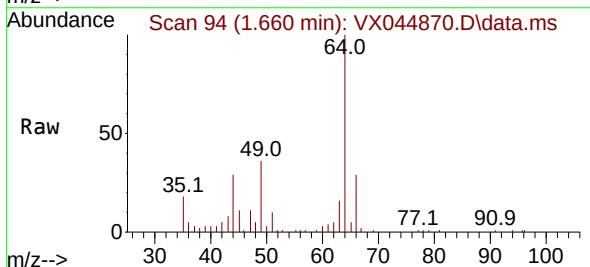
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

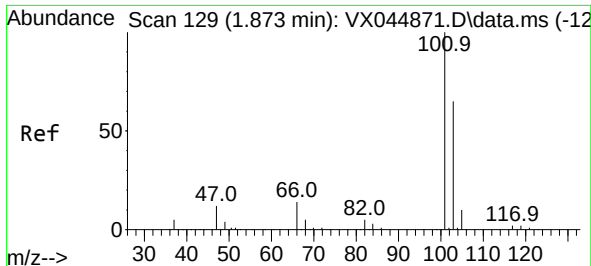
Tgt Ion: 94 Resp: 13057
Ion Ratio Lower Upper
94 100
96 88.8 71.6 107.4



#6
Chloroethane
Concen: 16.522 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 64 Resp: 14523
Ion Ratio Lower Upper
64 100
66 29.2 25.9 38.9

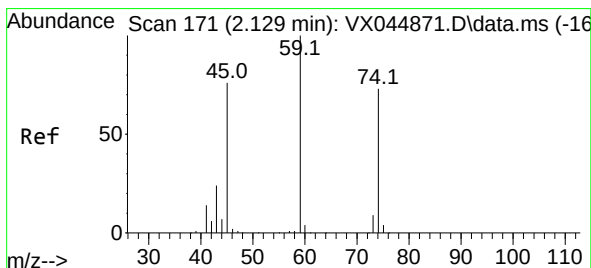
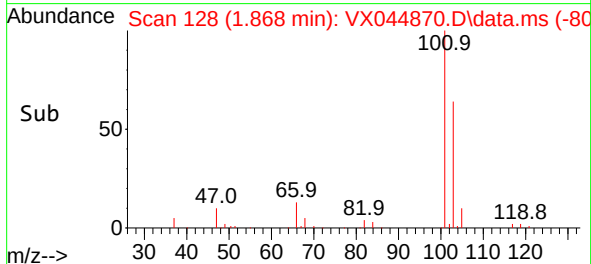
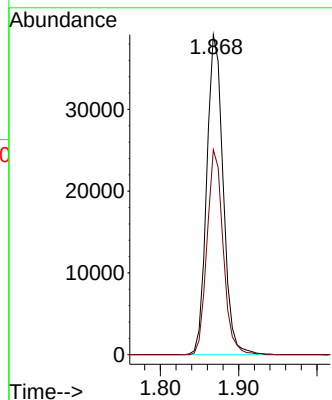
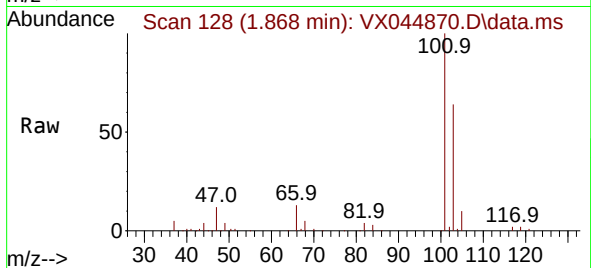




#7
Trichlorofluoromethane
Concen: 20.969 ug/l
RT: 1.868 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

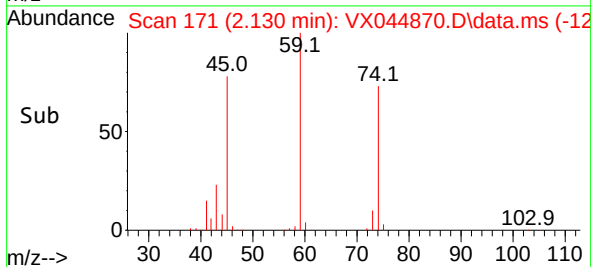
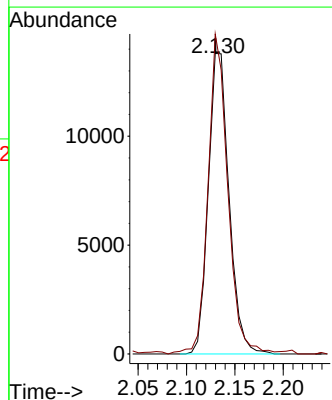
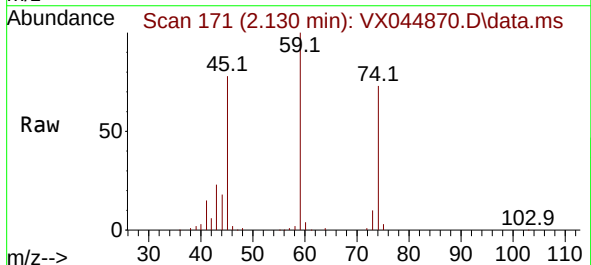
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

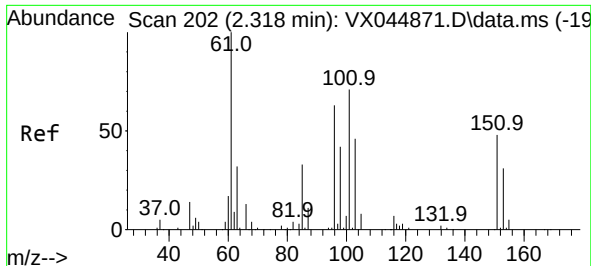
Tgt Ion:101 Resp: 56805
Ion Ratio Lower Upper
101 100
103 64.0 52.4 78.6



#8
Diethyl Ether
Concen: 21.069 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 74 Resp: 20699
Ion Ratio Lower Upper
74 100
45 101.2 51.1 153.4

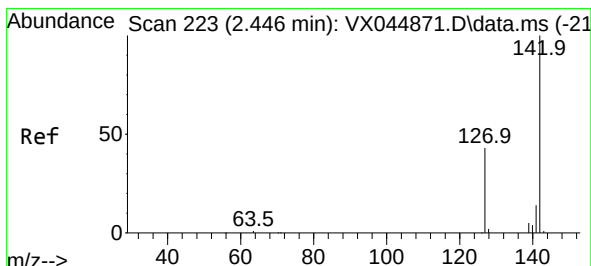
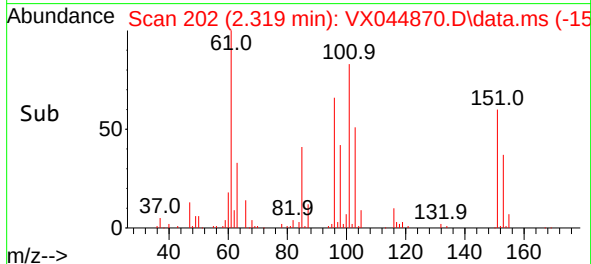
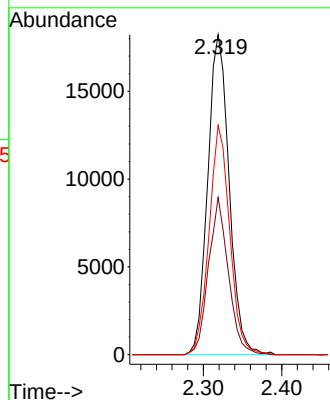
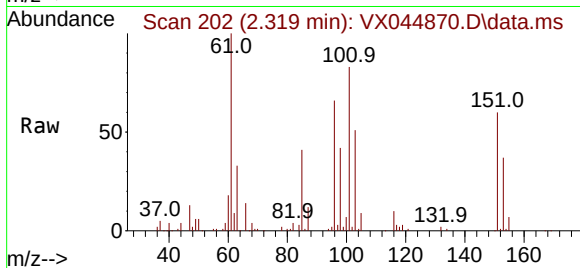




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.135 ug/l
 RT: 2.319 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VX044870.D
 Acq: 10 Feb 2025 11:11

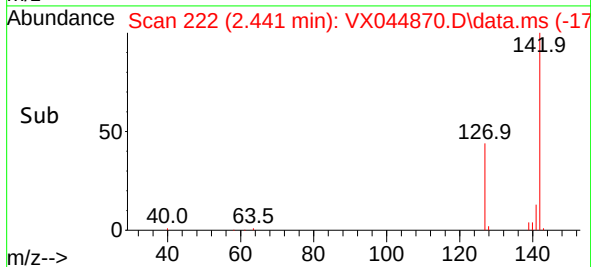
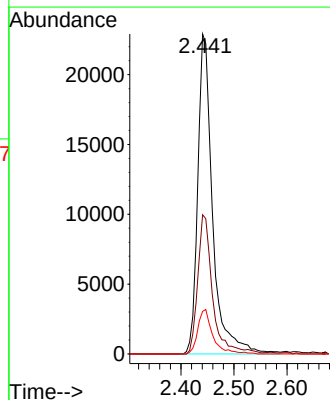
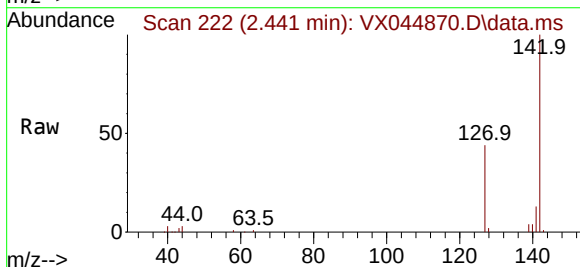
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

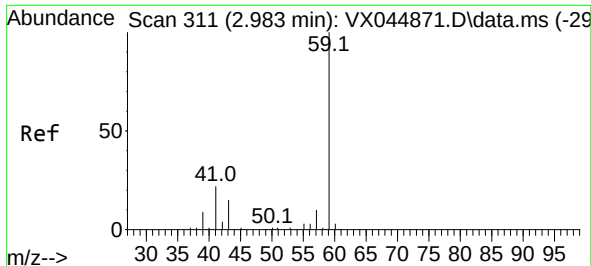
Tgt Ion:	101	Resp:	34593
Ion	Ratio	Lower	Upper
101	100		
85	45.7	35.7	53.5
151	69.4	56.0	84.0



#10
 Methyl Iodide
 Concen: 21.096 ug/l
 RT: 2.441 min Scan# 222
 Delta R.T. -0.006 min
 Lab File: VX044870.D
 Acq: 10 Feb 2025 11:11

Tgt Ion:	142	Resp:	44749
Ion	Ratio	Lower	Upper
142	100		
127	43.4	34.3	51.5
141	14.0	11.4	17.2





#11

Tert butyl alcohol

Concen: 101.870 ug/l

RT: 2.989 min Scan# 311

Delta R.T. 0.007 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

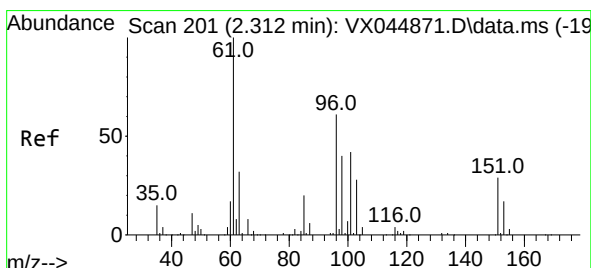
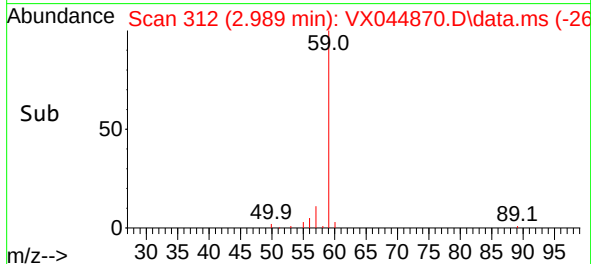
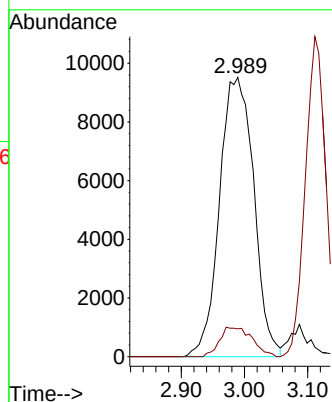
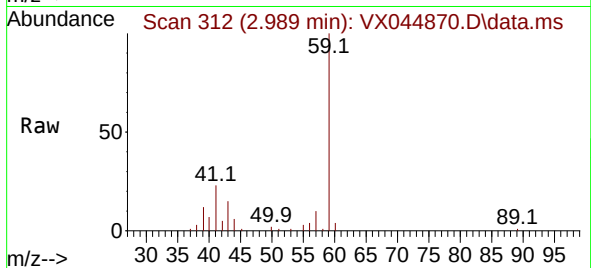
VSTDICC020

Tgt Ion: 59 Resp: 35834

Ion Ratio Lower Upper

59 100

57 10.0 8.1 12.1



#12

1,1-Dichloroethene

Concen: 20.526 ug/l

RT: 2.307 min Scan# 200

Delta R.T. -0.006 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

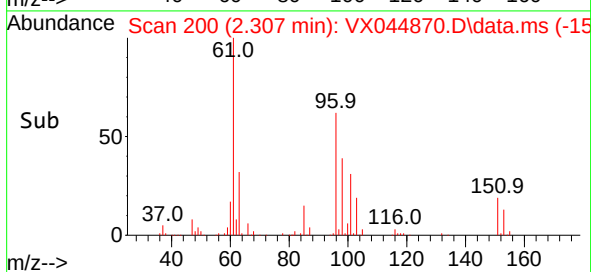
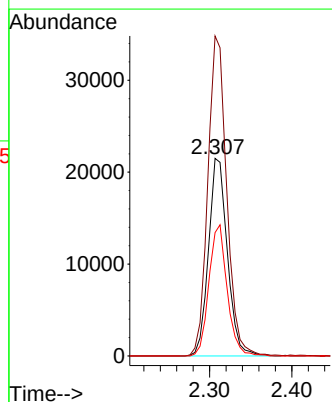
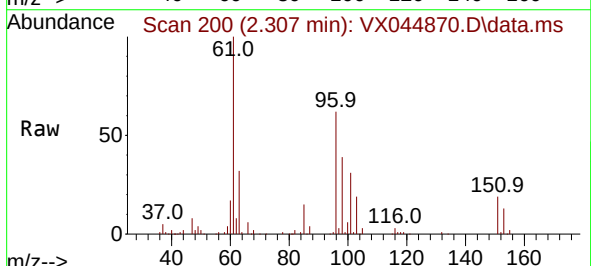
Tgt Ion: 96 Resp: 34270

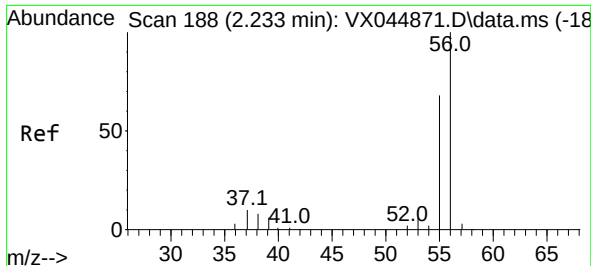
Ion Ratio Lower Upper

96 100

61 161.9 130.2 195.4

98 62.4 52.2 78.4

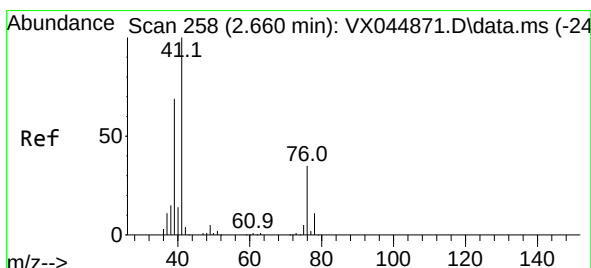
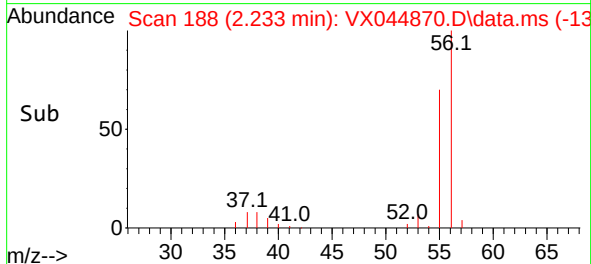
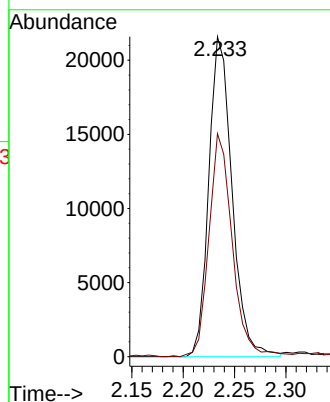
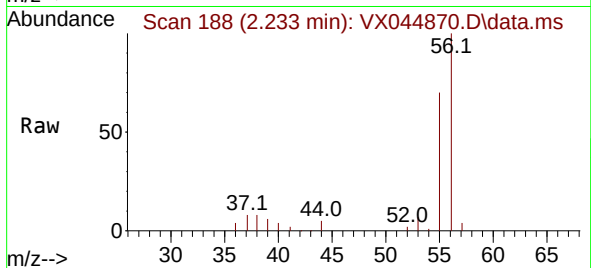




#13
Acrolein
Concen: 93.445 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

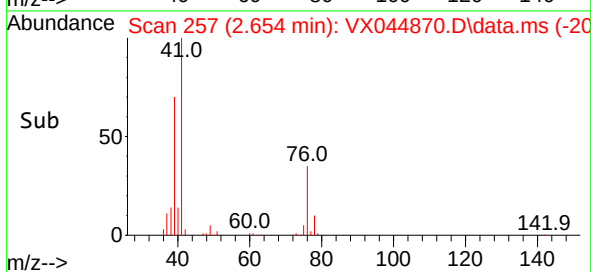
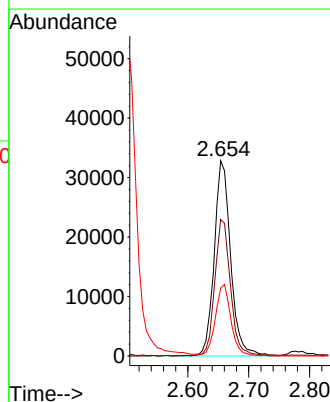
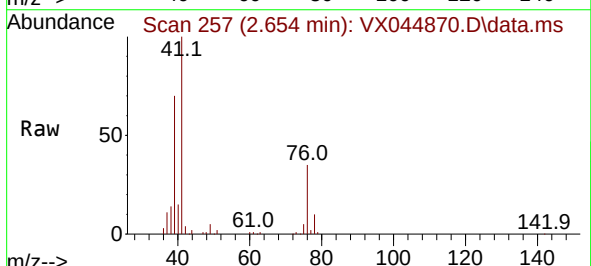
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

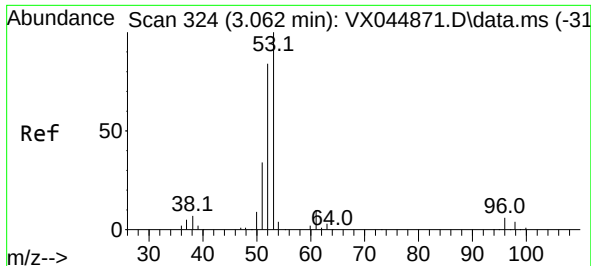
Tgt Ion: 56 Resp: 33914
Ion Ratio Lower Upper
56 100
55 70.1 55.7 83.5



#14
Allyl chloride
Concen: 20.377 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 41 Resp: 61485
Ion Ratio Lower Upper
41 100
39 65.8 51.4 77.2
76 34.9 27.0 40.4

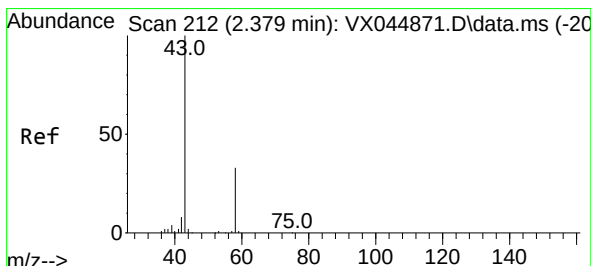
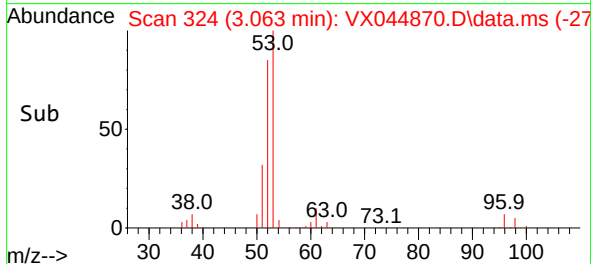
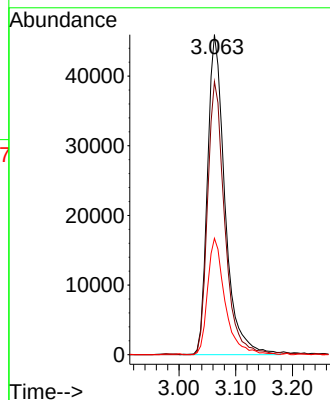
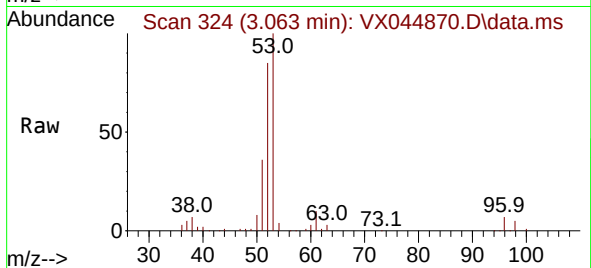




#15
Acrylonitrile
Concen: 104.896 ug/l
RT: 3.063 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

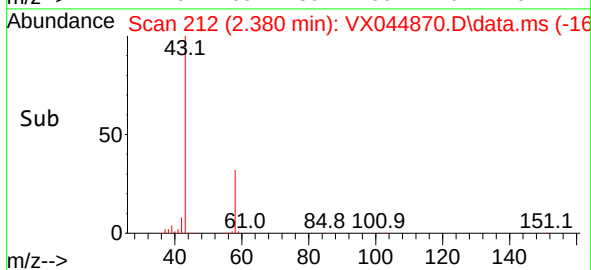
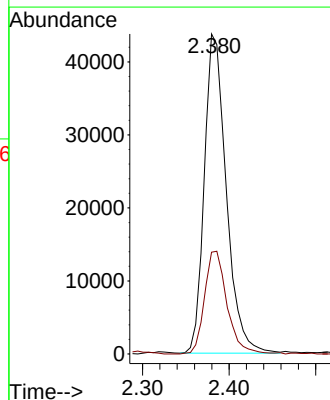
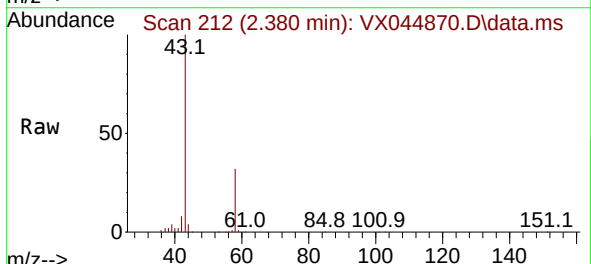
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

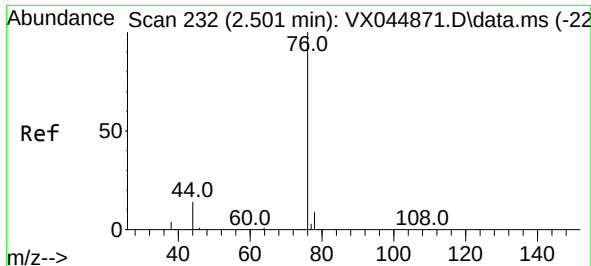
Tgt Ion:	53	Resp:	98518
Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.0	97.6
51	36.3	28.0	42.0



#16
Acetone
Concen: 101.119 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:	43	Resp:	77078
Ion	Ratio	Lower	Upper
43	100		
58	31.9	26.5	39.7

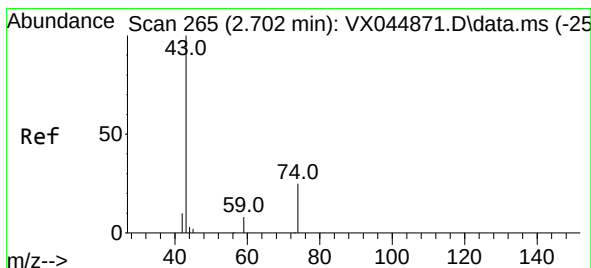
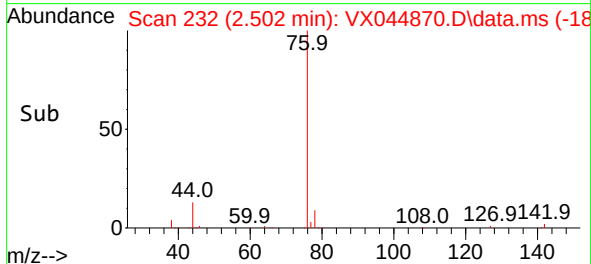
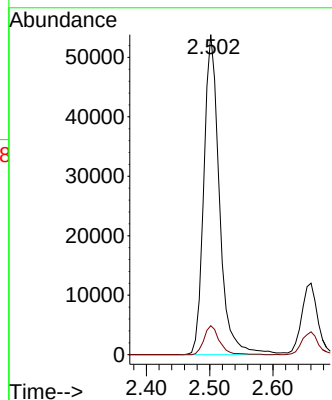
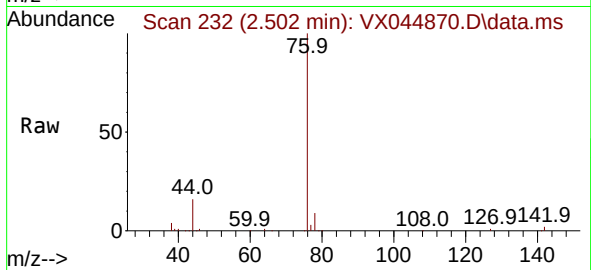




#17
Carbon Disulfide
Concen: 20.216 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

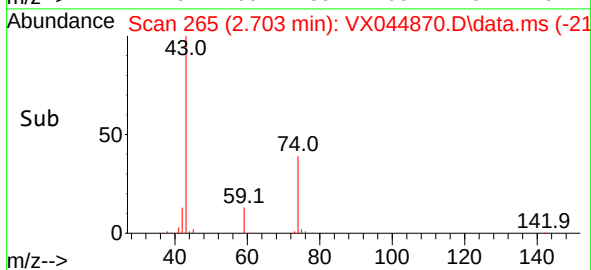
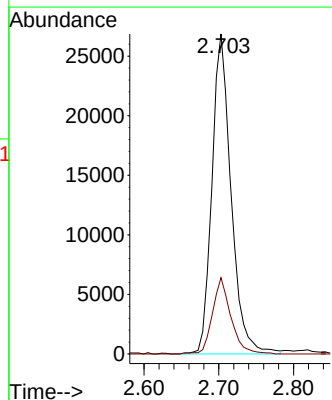
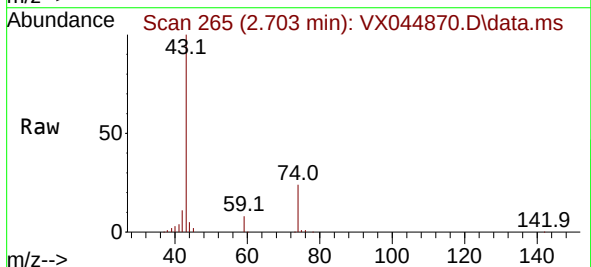
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

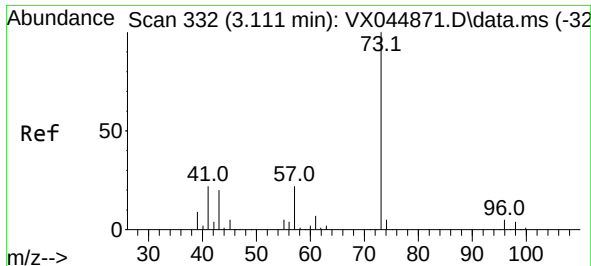
Tgt Ion: 76 Resp: 92552
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.4



#18
Methyl Acetate
Concen: 19.943 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 47970
Ion Ratio Lower Upper
43 100
74 22.9 18.9 28.3

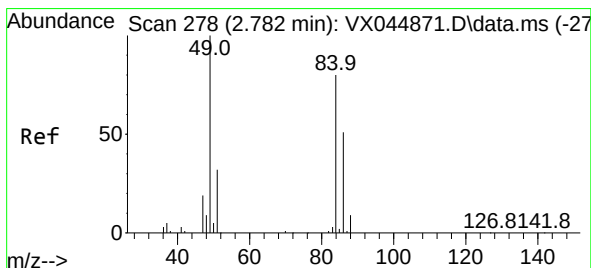
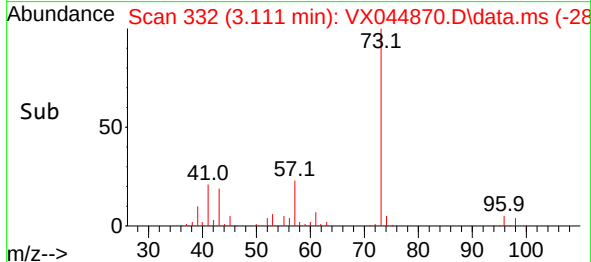
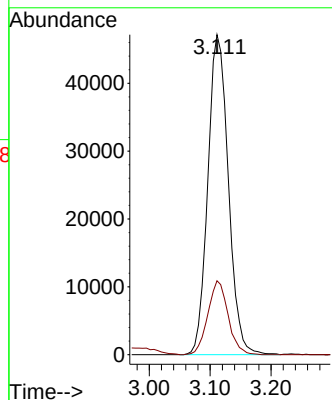
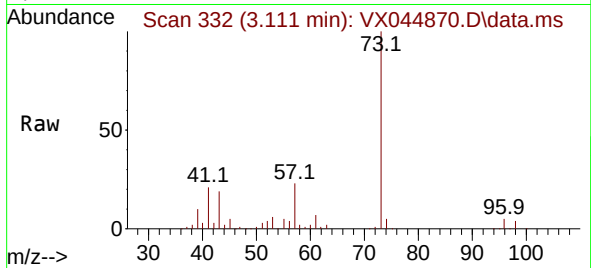




#19
Methyl tert-butyl Ether
Concen: 20.779 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

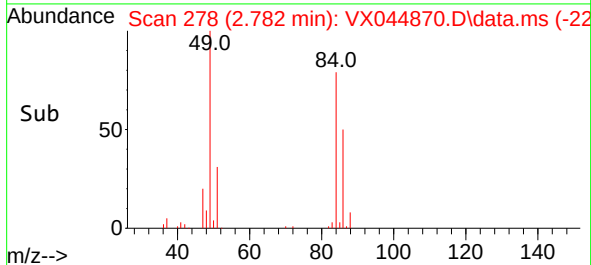
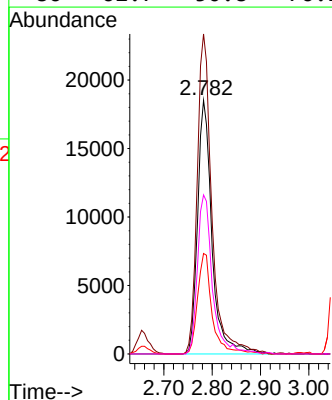
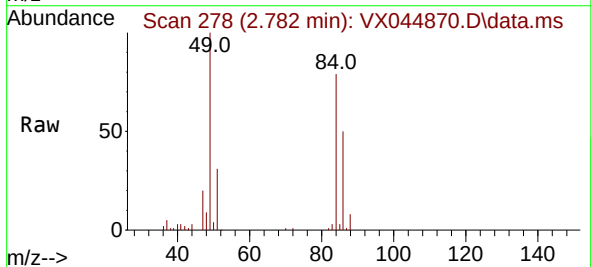
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

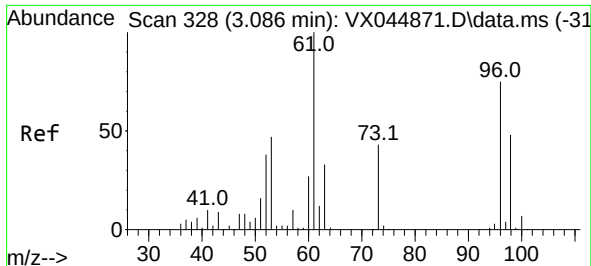
Tgt Ion: 73 Resp: 110377
Ion Ratio Lower Upper
73 100
57 23.1 17.9 26.9



#20
Methylene Chloride
Concen: 20.562 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 84 Resp: 38390
Ion Ratio Lower Upper
84 100
49 126.2 100.1 150.1
51 39.6 31.7 47.5
86 62.7 50.8 76.2

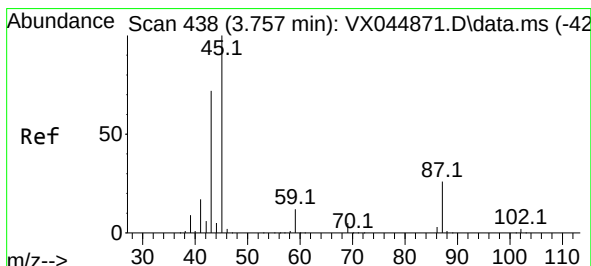
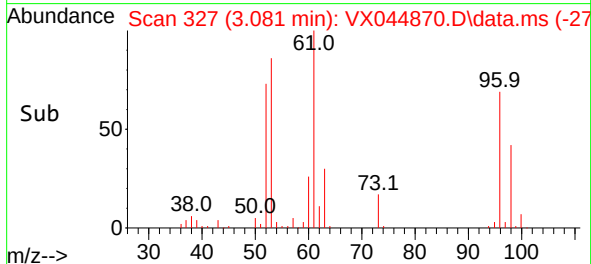
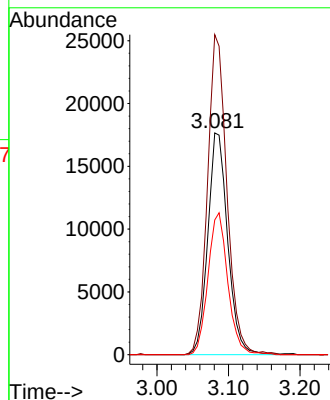
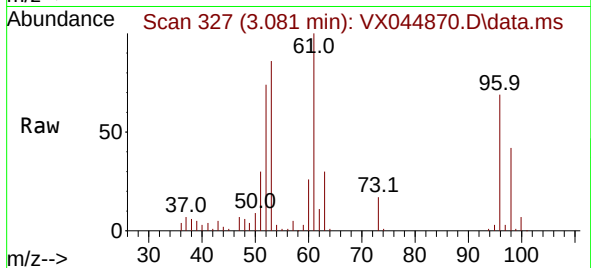




#21
trans-1,2-Dichloroethene
Concen: 20.730 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

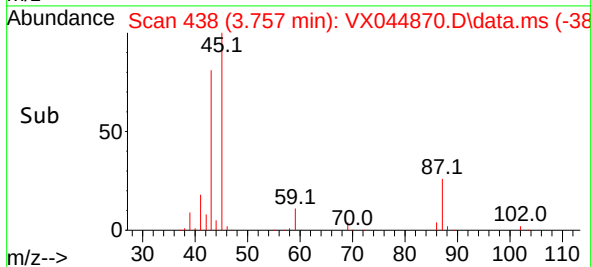
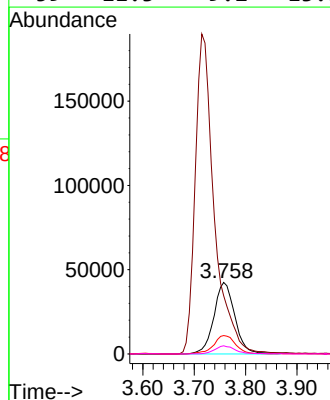
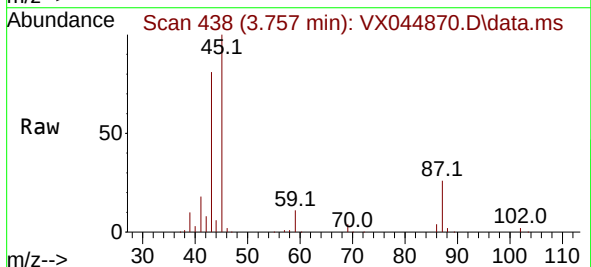
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

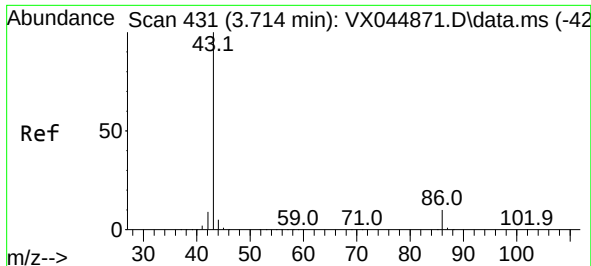
Tgt Ion: 96 Resp: 34064
Ion Ratio Lower Upper
96 100
61 144.3 106.0 159.0
98 60.8 50.6 76.0



#22
Diisopropyl ether
Concen: 21.074 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 45 Resp: 120300
Ion Ratio Lower Upper
45 100
43 80.8 58.0 87.0
87 25.8 20.7 31.1
59 11.3 9.2 13.8

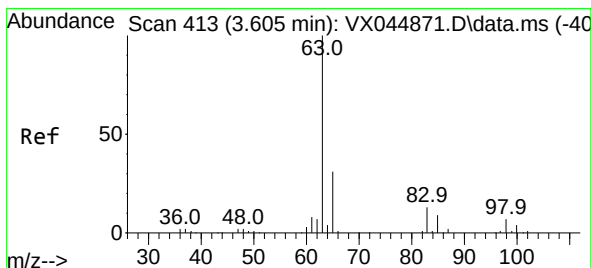
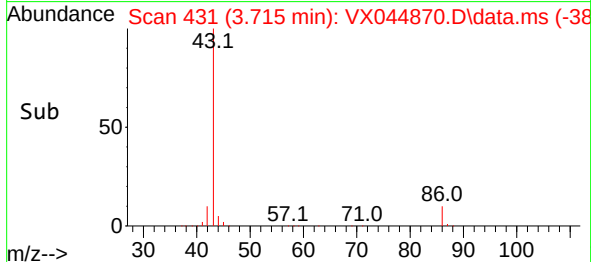
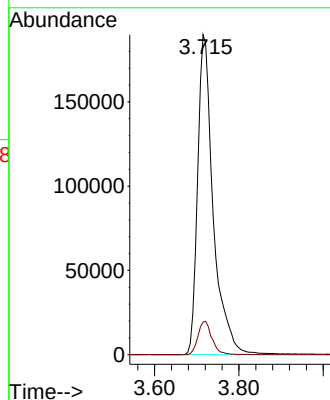
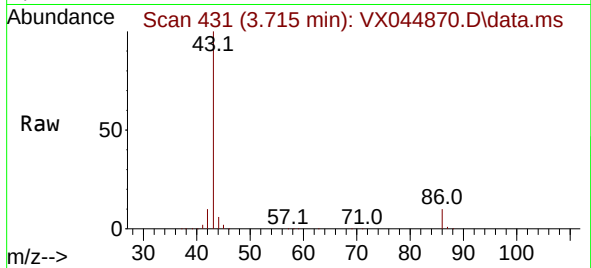




#23
 Vinyl Acetate
 Concen: 105.341 ug/l
 RT: 3.715 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX044870.D
 Acq: 10 Feb 2025 11:11

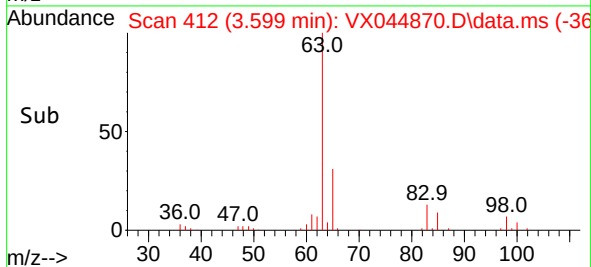
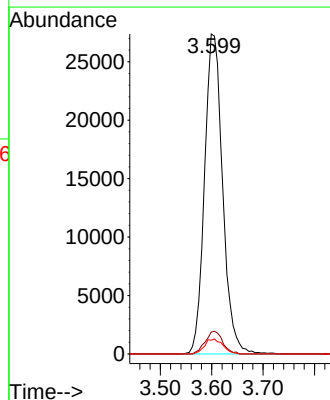
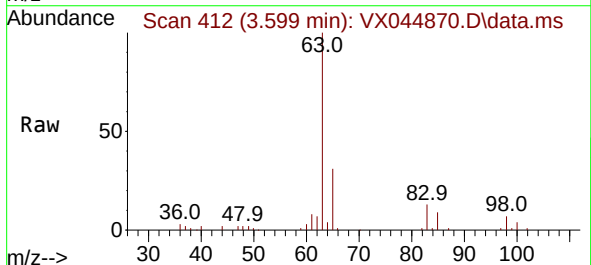
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

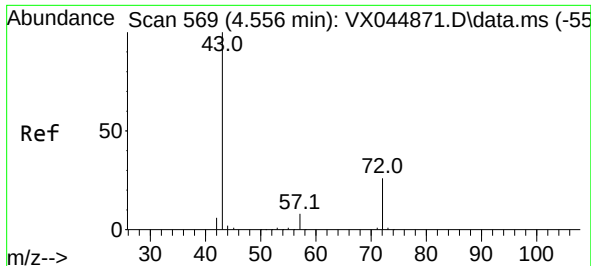
Tgt Ion: 43 Resp: 490239
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 20.958 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. -0.006 min
 Lab File: VX044870.D
 Acq: 10 Feb 2025 11:11

Tgt Ion: 63 Resp: 66942
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.9
 100 4.3 2.1 6.5

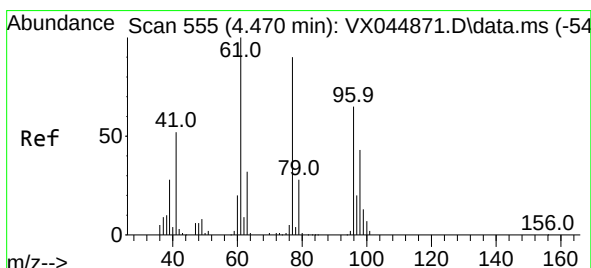
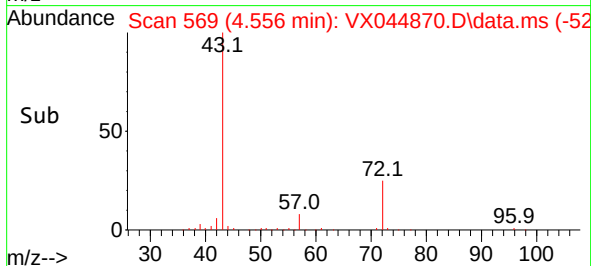
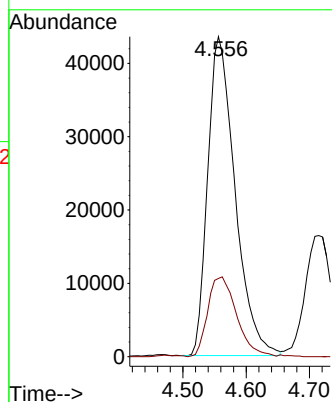
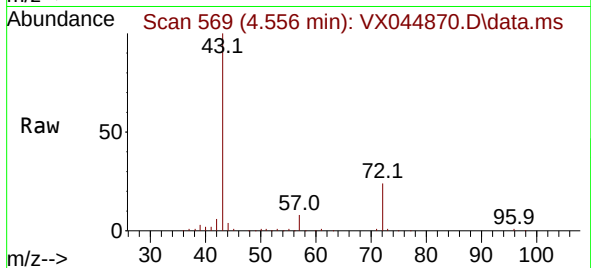




#25
2-Butanone
Concen: 105.417 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

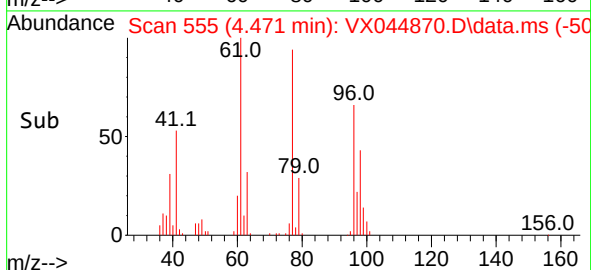
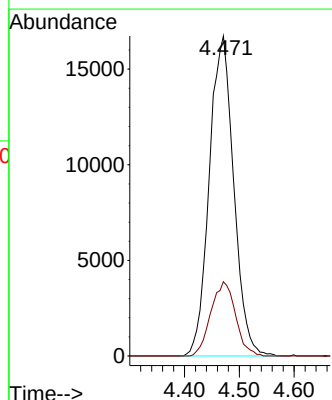
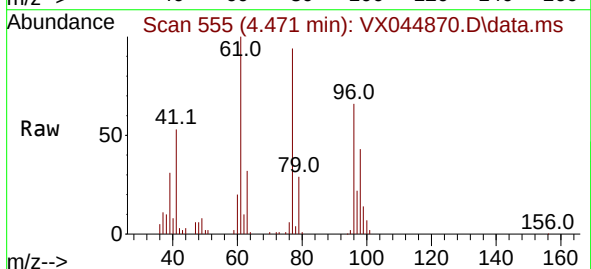
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

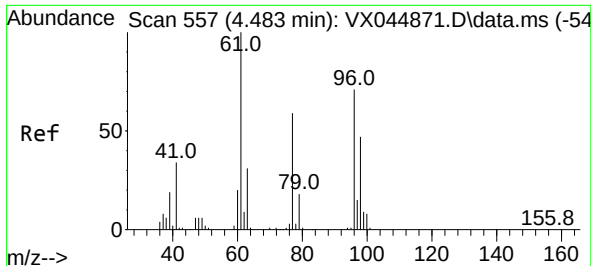
Tgt Ion: 43 Resp: 130481
Ion Ratio Lower Upper
43 100
72 24.2 21.2 31.8



#26
2,2-Dichloropropane
Concen: 20.451 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 77 Resp: 51803
Ion Ratio Lower Upper
77 100
97 23.4 11.8 35.3

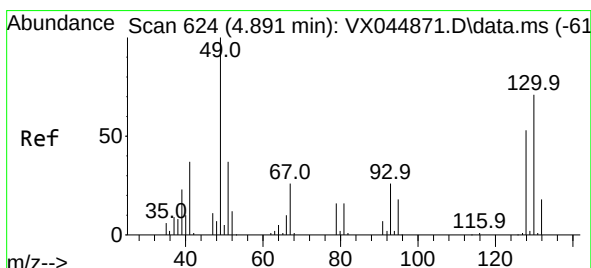
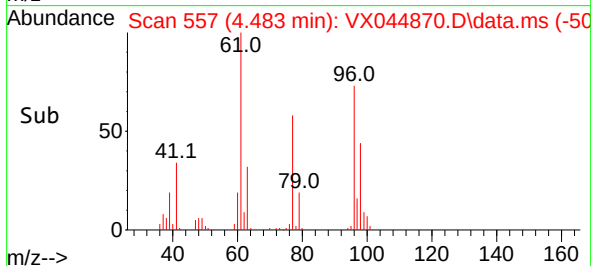
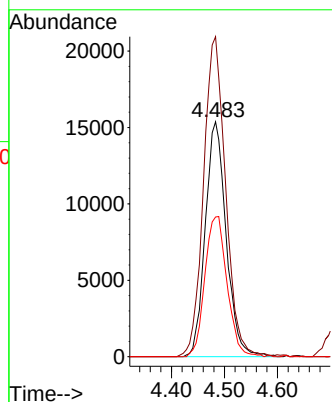
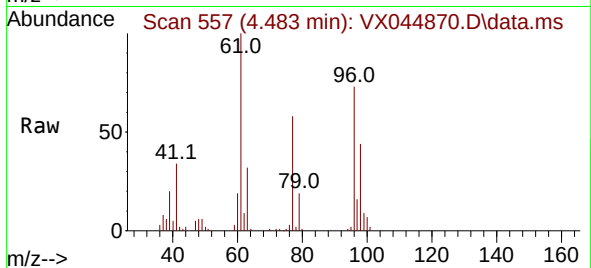




#27
 cis-1,2-Dichloroethene
 Concen: 21.328 ug/l
 RT: 4.483 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX044870.D
 Acq: 10 Feb 2025 11:11

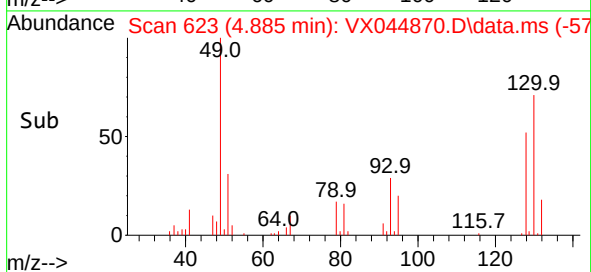
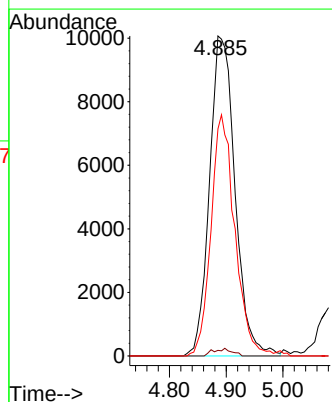
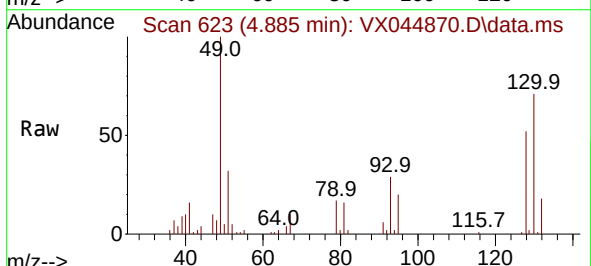
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

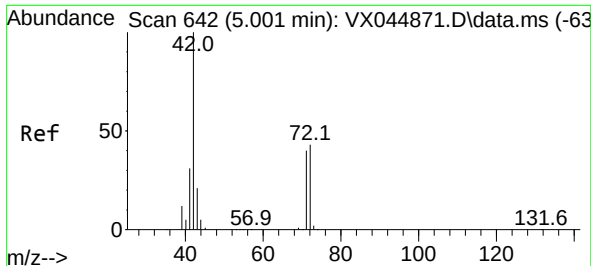
Tgt Ion: 96	Resp: 42096
Ion Ratio	Lower Upper
96 100	
61 143.8	0.0 294.0
98 63.4	0.0 131.2



#28
 Bromochloromethane
 Concen: 20.504 ug/l
 RT: 4.885 min Scan# 623
 Delta R.T. -0.006 min
 Lab File: VX044870.D
 Acq: 10 Feb 2025 11:11

Tgt Ion: 49	Resp: 31474
Ion Ratio	Lower Upper
49 100	
129 1.7	0.0 3.6
130 70.3	56.7 85.1





#29

Tetrahydrofuran

Concen: 105.700 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

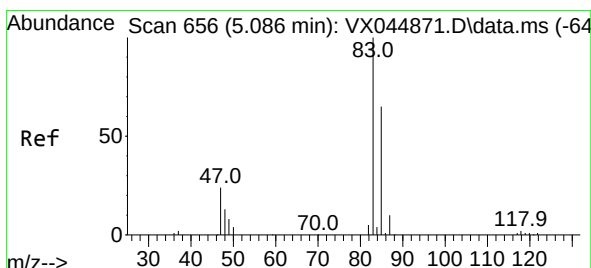
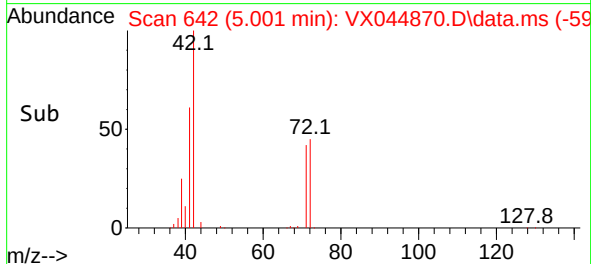
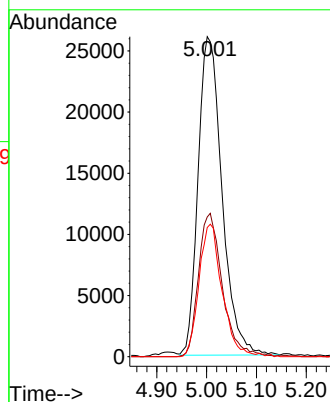
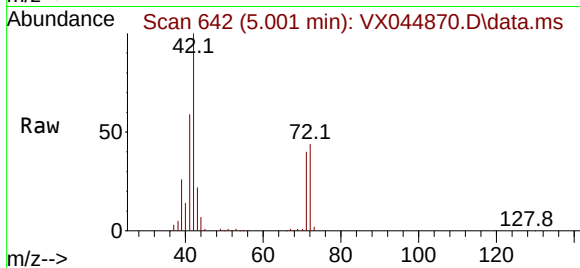
Tgt Ion: 42 Resp: 86875

Ion Ratio Lower Upper

42 100

72 44.9 35.0 52.4

71 40.4 32.6 48.8



#30

Chloroform

Concen: 21.217 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044870.D

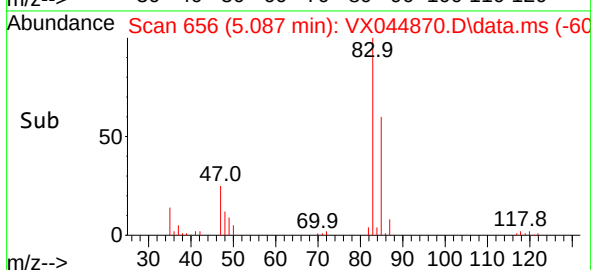
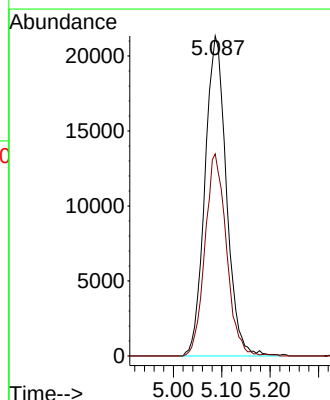
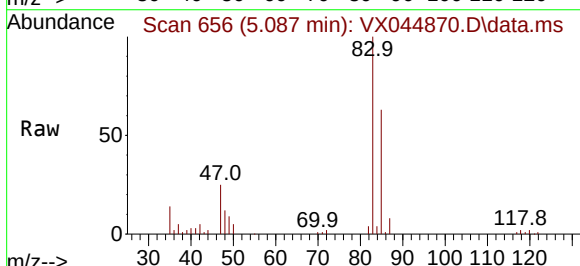
Acq: 10 Feb 2025 11:11

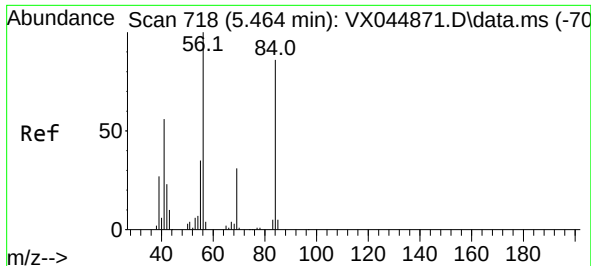
Tgt Ion: 83 Resp: 65721

Ion Ratio Lower Upper

83 100

85 63.2 52.1 78.1

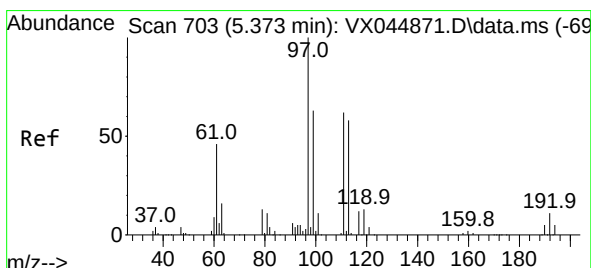
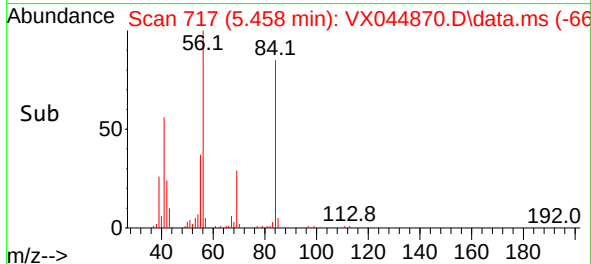
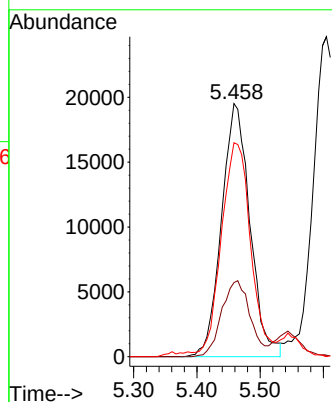
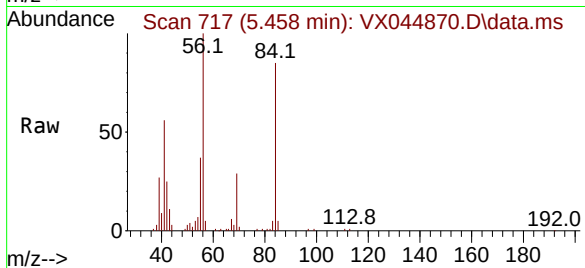




#31
Cyclohexane
Concen: 20.653 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

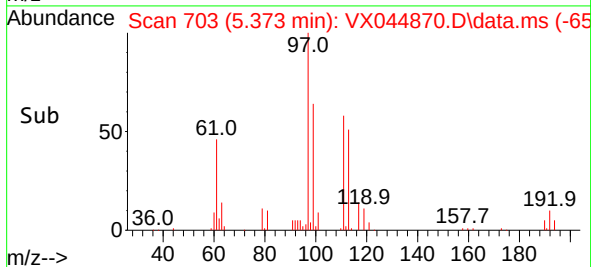
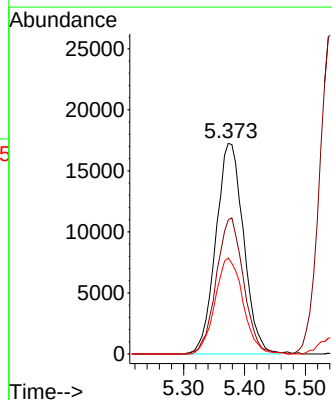
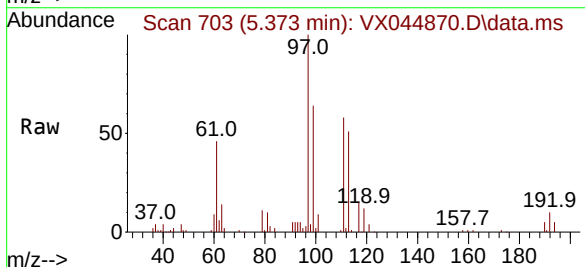
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

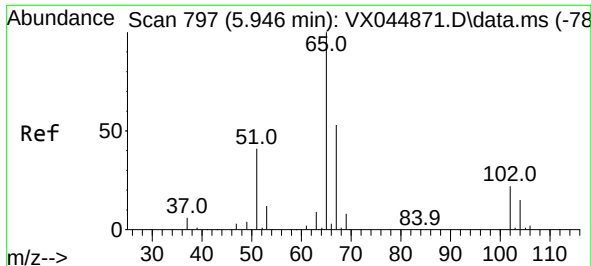
Tgt Ion: 56 Resp: 60814
Ion Ratio Lower Upper
56 100
69 29.2 24.4 36.6
84 83.1 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 20.724 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 97 Resp: 54450
Ion Ratio Lower Upper
97 100
99 63.4 51.0 76.6
61 45.9 36.6 55.0

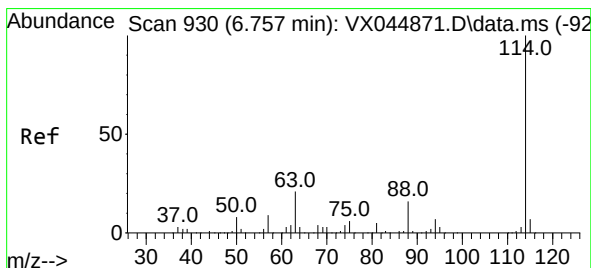
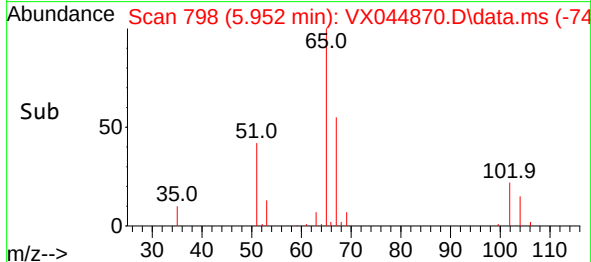
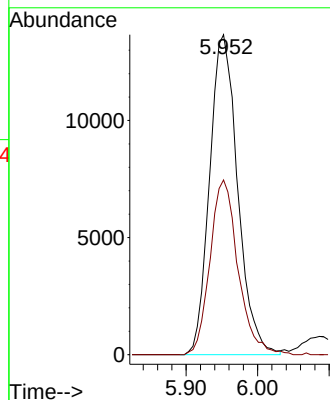
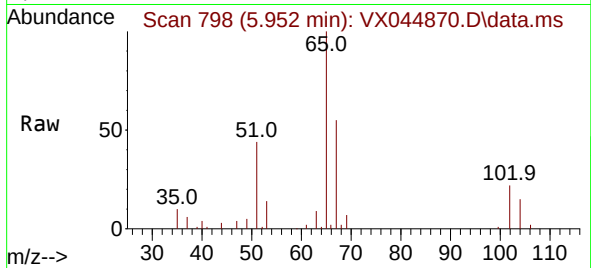




#33
1,2-Dichloroethane-d4
Concen: 19.616 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.007 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

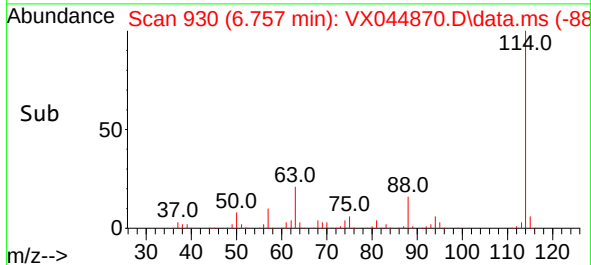
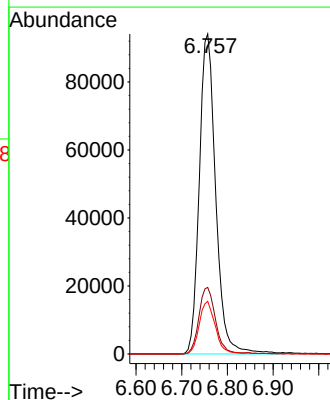
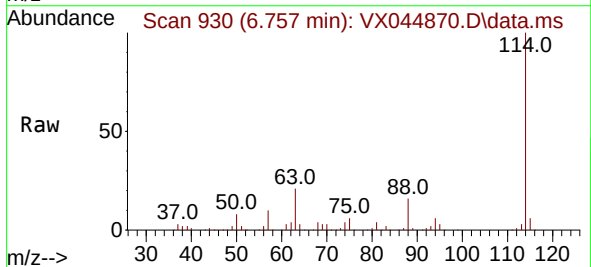
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

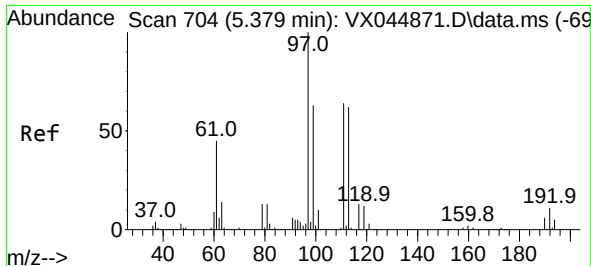
Tgt Ion: 65 Resp: 37195
Ion Ratio Lower Upper
65 100
67 54.6 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 114 Resp: 234445
Ion Ratio Lower Upper
114 100
63 20.8 0.0 42.4
88 16.4 0.0 31.4

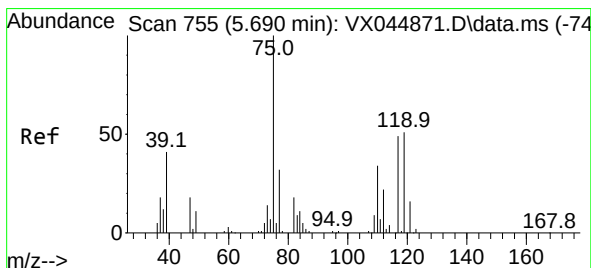
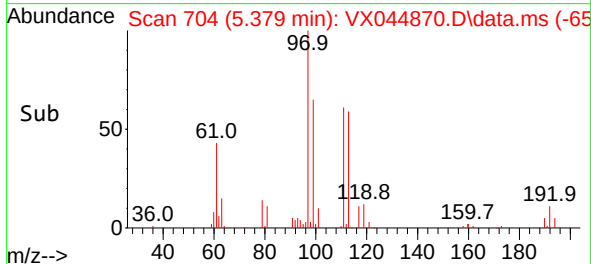
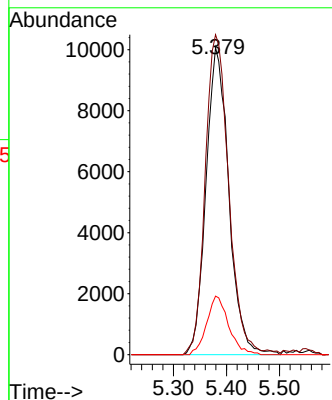
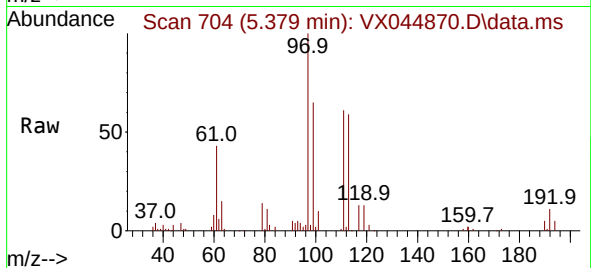




#35
Dibromofluoromethane
Concen: 19.793 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

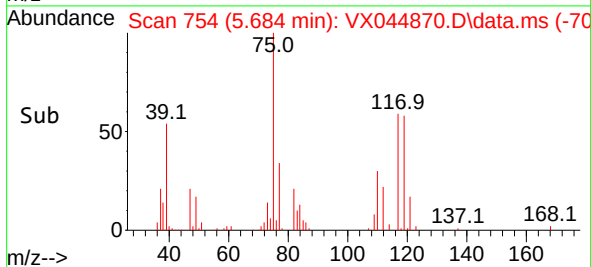
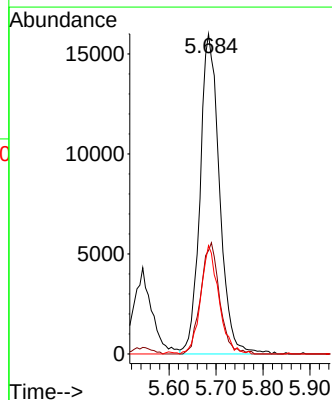
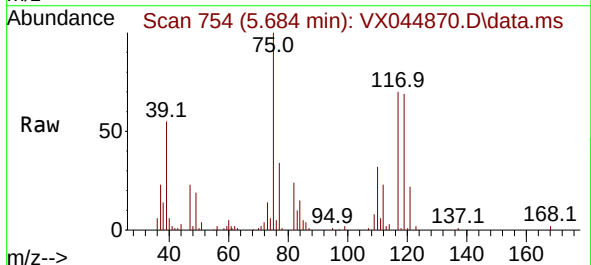
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

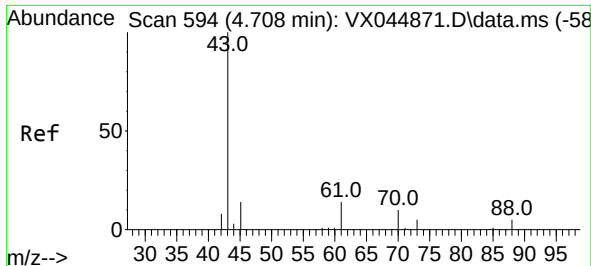
Tgt Ion:113 Resp: 30170
Ion Ratio Lower Upper
113 100
111 106.3 83.5 125.3
192 18.3 14.4 21.6



#36
1,1-Dichloropropene
Concen: 20.913 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 75 Resp: 45991
Ion Ratio Lower Upper
75 100
110 33.8 17.2 51.6
77 31.7 24.6 37.0





#37

Ethyl Acetate

Concen: 20.949 ug/l

RT: 4.715 min Scan# 51

Delta R.T. 0.007 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

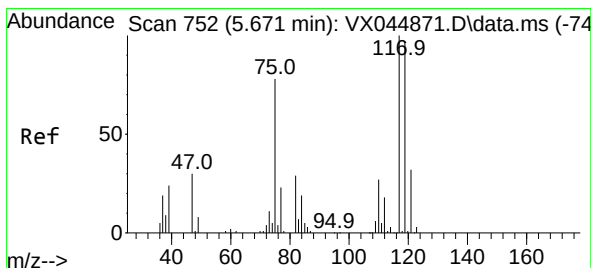
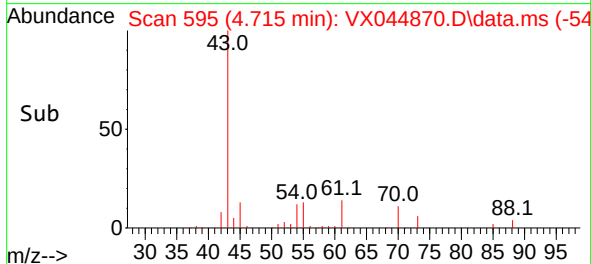
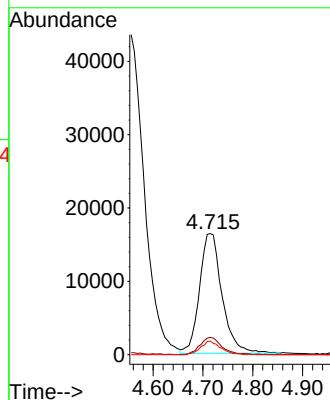
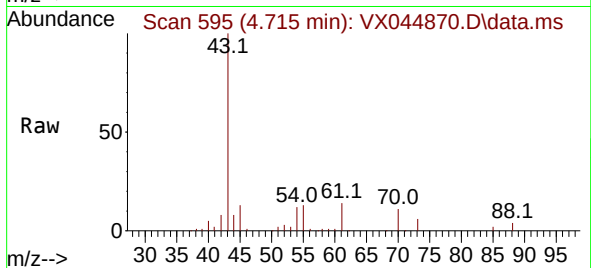
Tgt Ion: 43 Resp: 51242

Ion Ratio Lower Upper

43 100

61 13.9 11.0 16.4

70 9.9 8.2 12.2



#38

Carbon Tetrachloride

Concen: 20.790 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

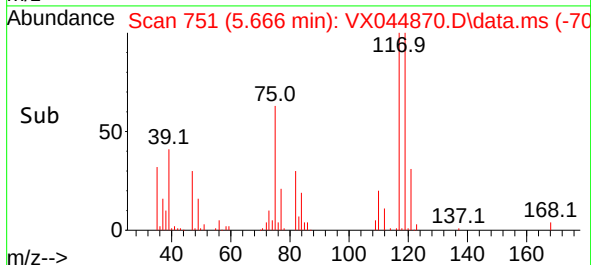
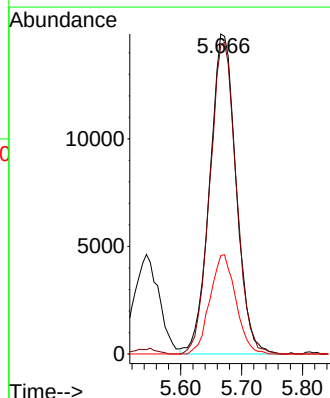
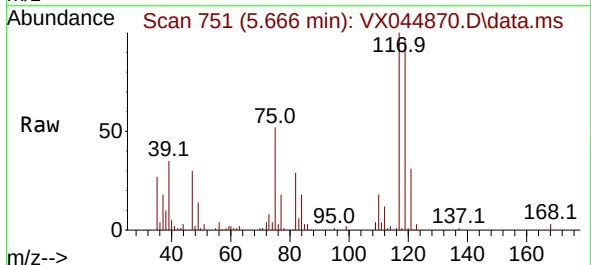
Tgt Ion: 117 Resp: 44802

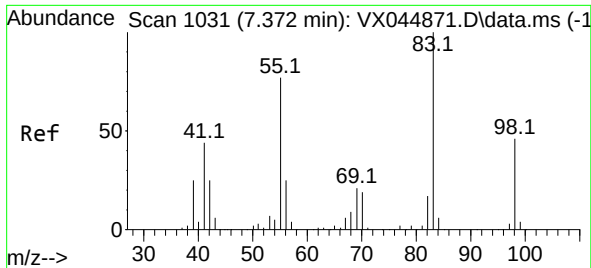
Ion Ratio Lower Upper

117 100

119 96.5 77.5 116.3

121 30.8 25.6 38.4

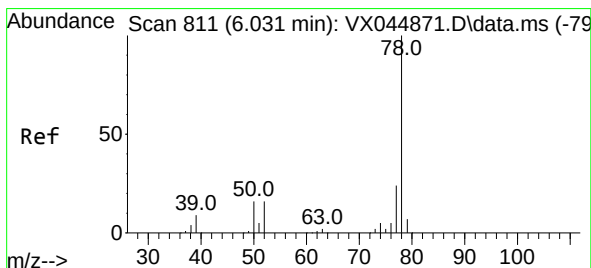
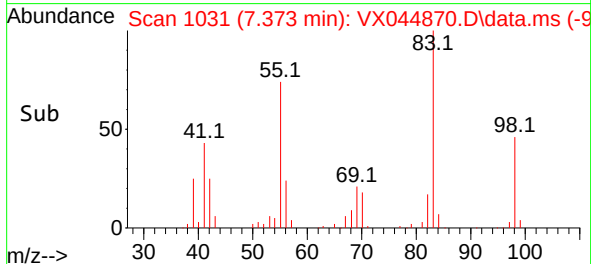
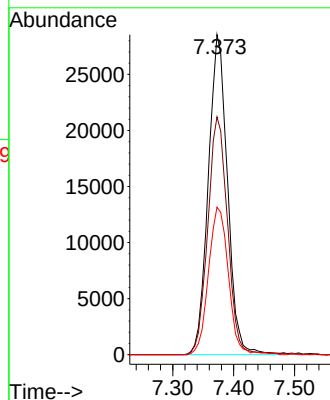
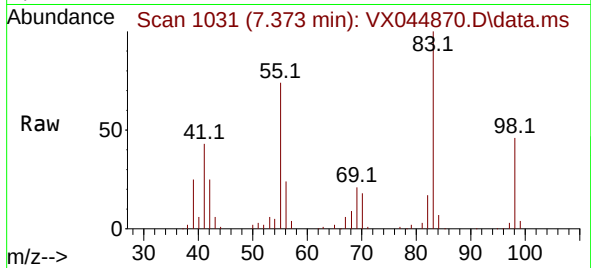




#39
Methylcyclohexane
Concen: 21.985 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

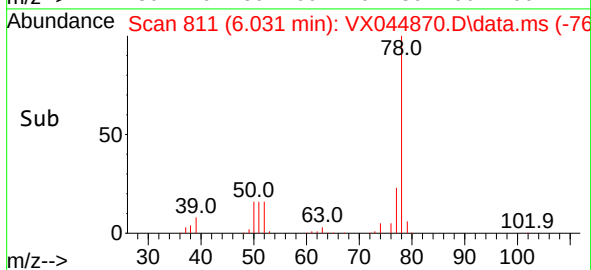
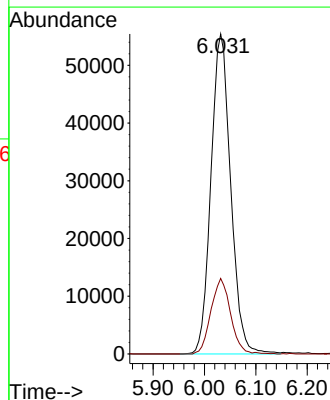
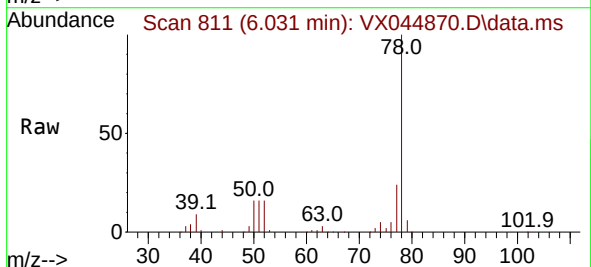
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

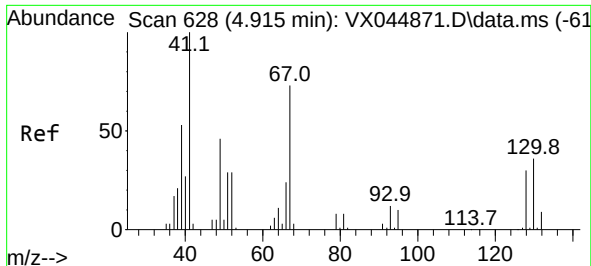
Tgt Ion: 83 Resp: 62505
Ion Ratio Lower Upper
83 100
55 74.3 61.3 91.9
98 46.1 37.0 55.6



#40
Benzene
Concen: 21.540 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 78 Resp: 147912
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6



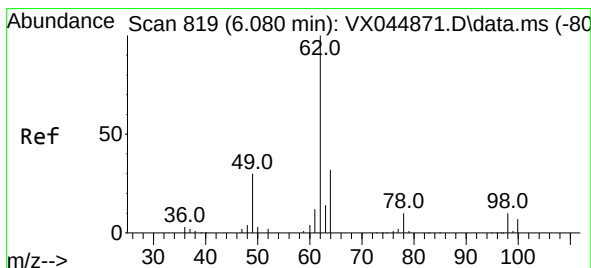
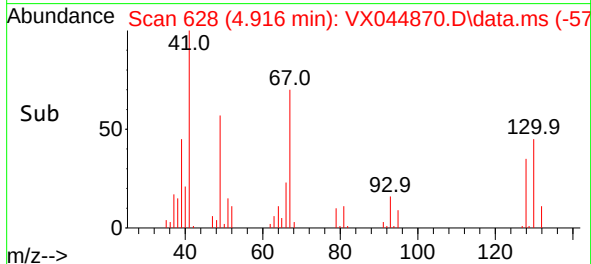
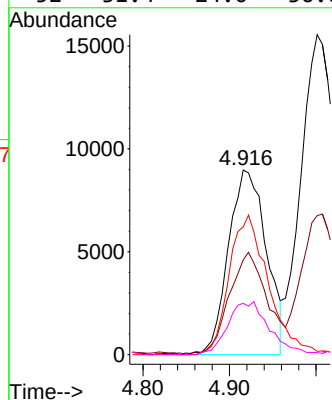
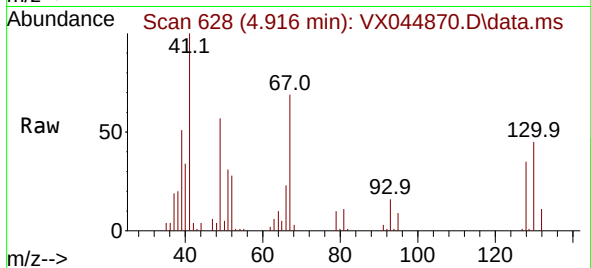


#41
Methacrylonitrile
Concen: 20.887 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 41 Resp: 27347

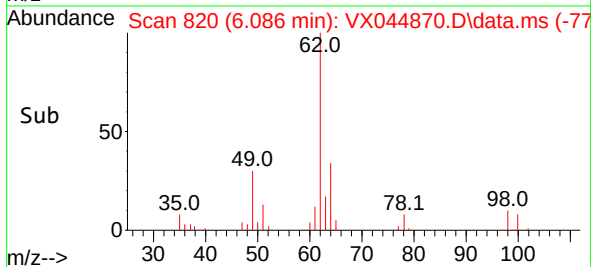
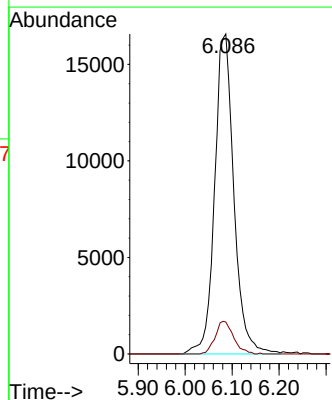
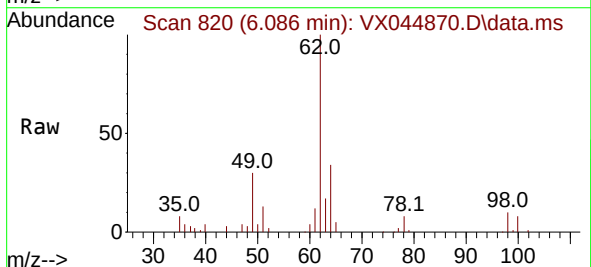
Ion	Ratio	Lower	Upper
41	100		
39	55.9	43.1	64.7
67	78.6	57.0	85.6
52	31.4	24.0	36.0

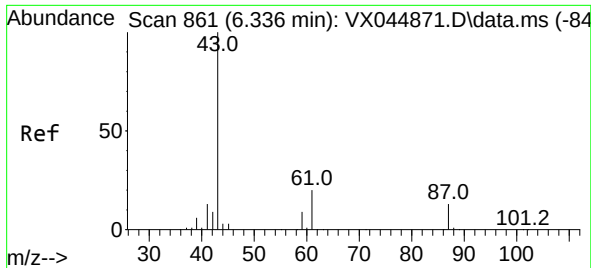


#42
1,2-Dichloroethane
Concen: 21.519 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 62 Resp: 47095

Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4

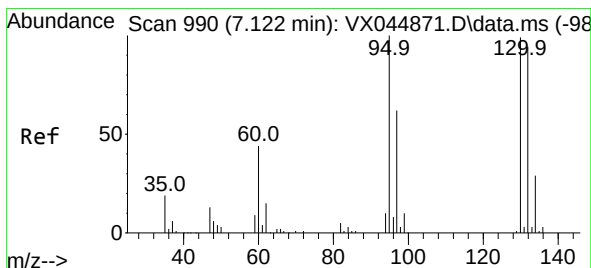
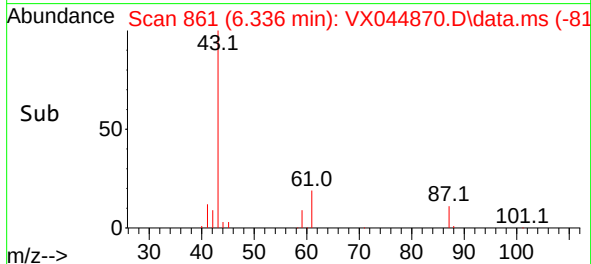
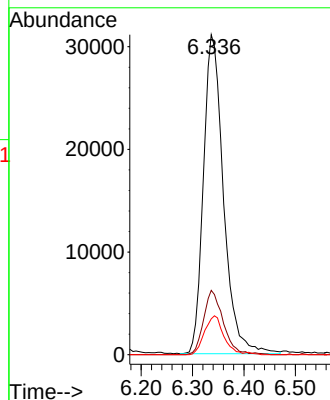
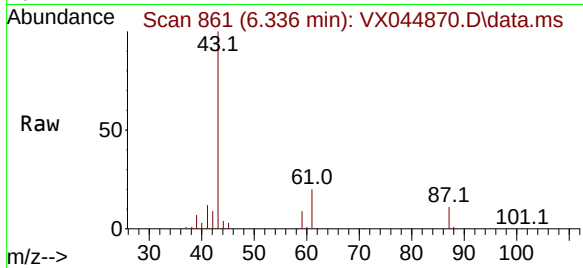




#43
Isopropyl Acetate
Concen: 21.343 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

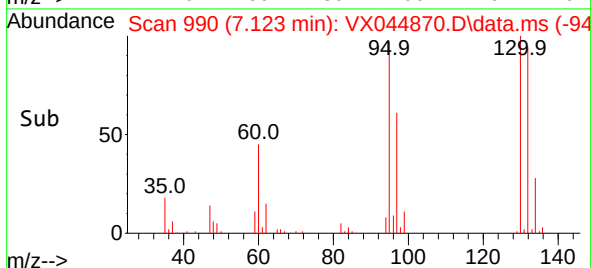
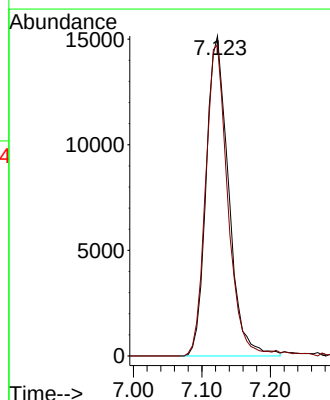
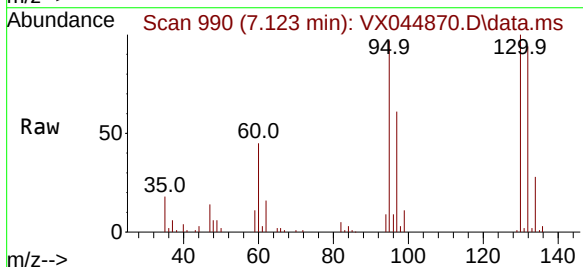
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

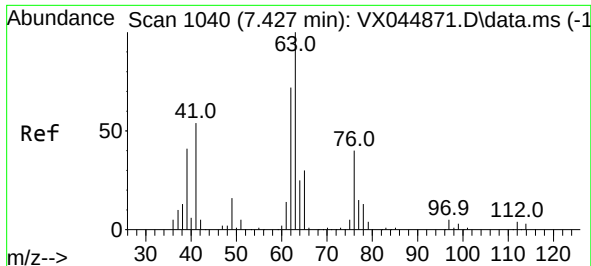
Tgt Ion: 43	Resp: 84306
Ion Ratio	Lower Upper
43	100
61	19.5 15.8 23.8
87	11.6 10.0 15.0



#44
Trichloroethene
Concen: 21.910 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 130	Resp: 34390
Ion Ratio	Lower Upper
130	100
95	97.2 0.0 202.4





#45

1,2-Dichloropropane

Concen: 21.371 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

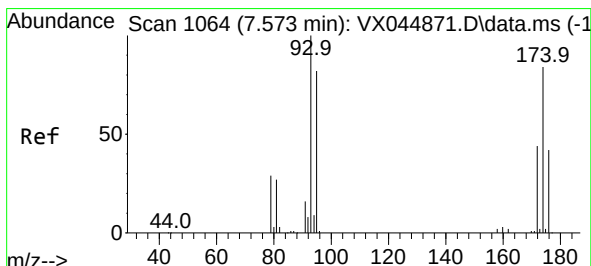
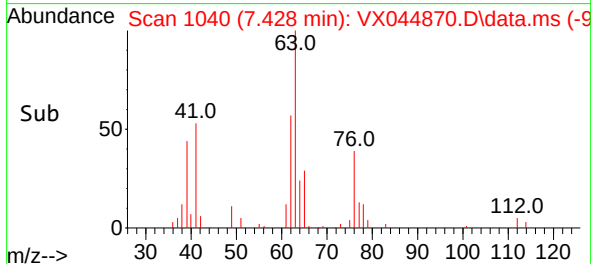
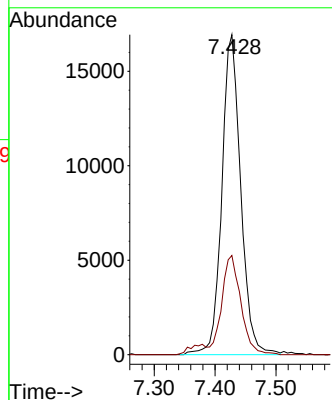
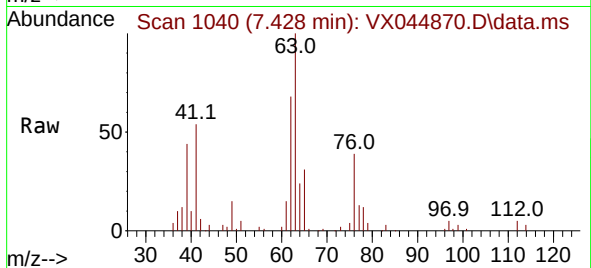
VSTDIC020

Tgt Ion: 63 Resp: 36510

Ion Ratio Lower Upper

63 100

65 31.0 24.2 36.4



#46

Dibromomethane

Concen: 21.354 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

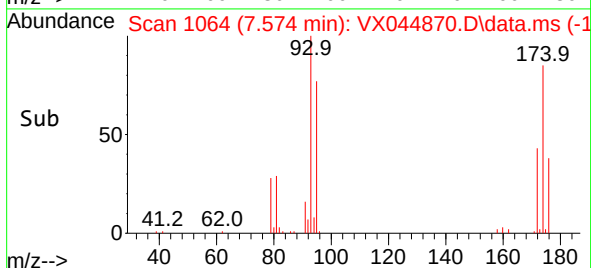
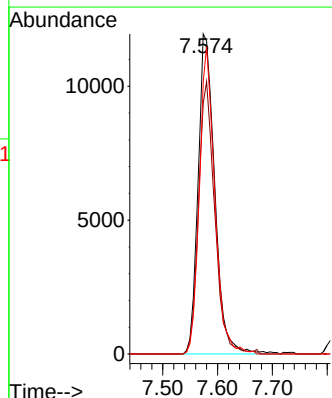
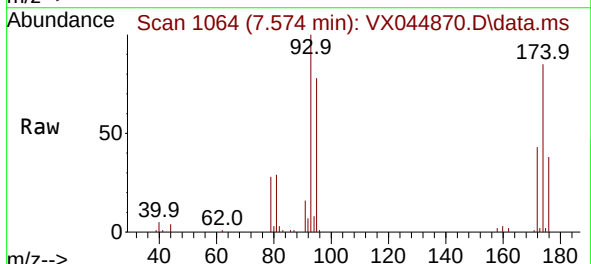
Tgt Ion: 93 Resp: 25300

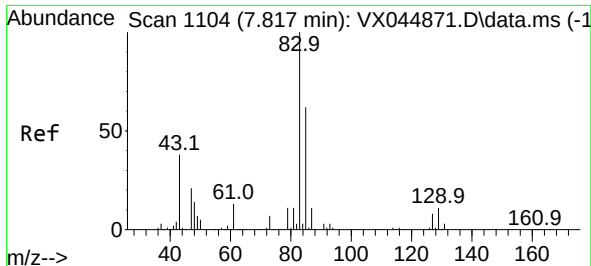
Ion Ratio Lower Upper

93 100

95 82.5 66.2 99.4

174 88.6 69.9 104.9

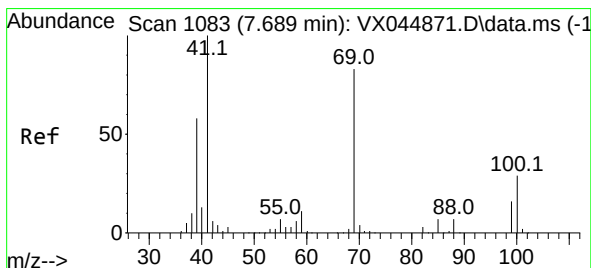
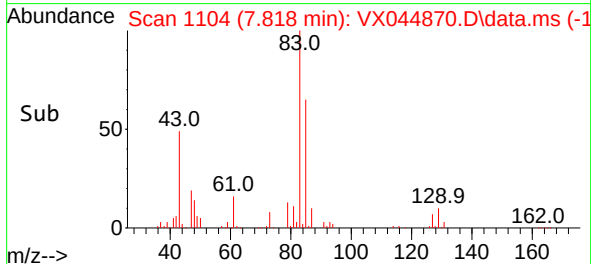
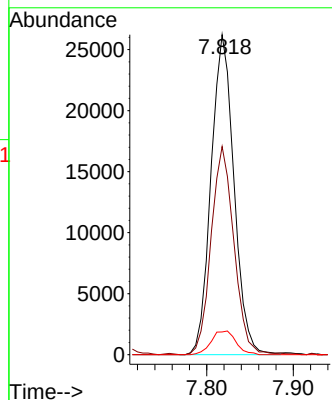
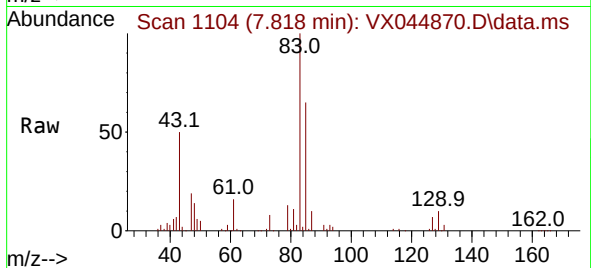




#47
Bromodichloromethane
Concen: 21.012 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

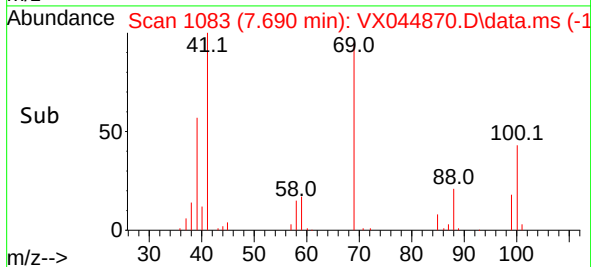
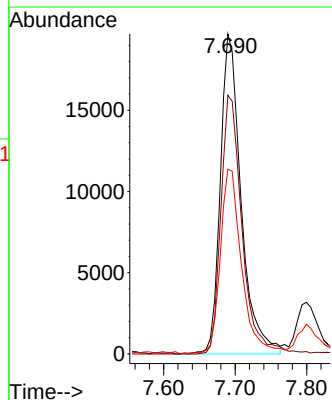
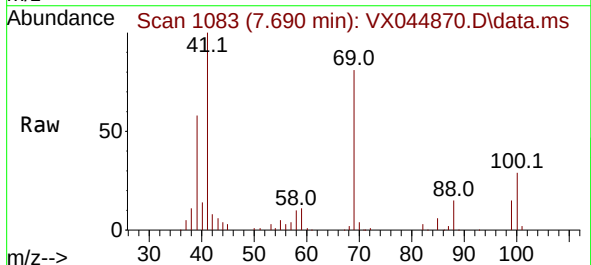
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

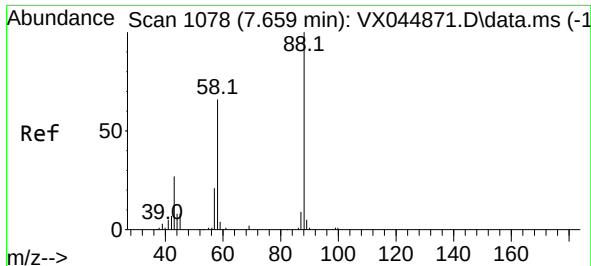
Tgt Ion: 83 Resp: 48202
Ion Ratio Lower Upper
83 100
85 65.1 50.0 75.0
127 7.1 6.4 9.6



#48
Methyl methacrylate
Concen: 21.341 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 41 Resp: 39747
Ion Ratio Lower Upper
41 100
69 82.5 65.8 98.8
39 58.2 46.4 69.6





#49

1,4-Dioxane

Concen: 429.262 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.007 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

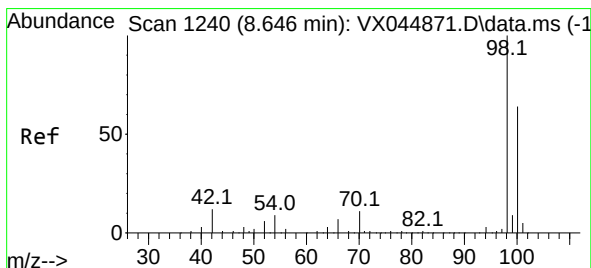
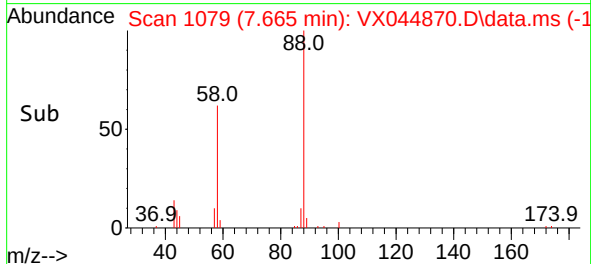
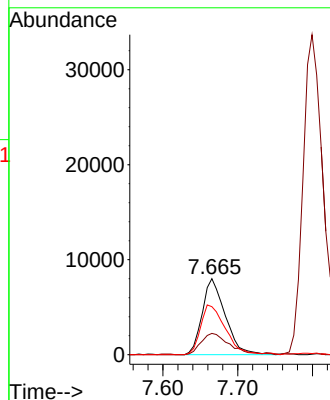
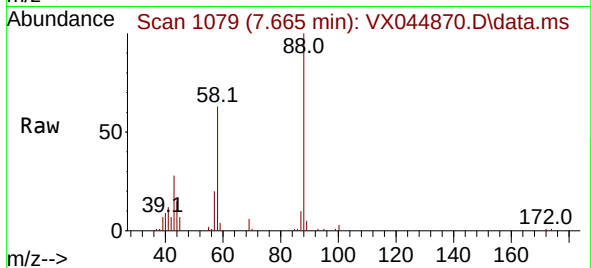
Tgt Ion: 88 Resp: 17153

Ion Ratio Lower Upper

88 100

43 34.3 26.6 39.8

58 69.3 55.9 83.9



#50

Toluene-d8

Concen: 20.321 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044870.D

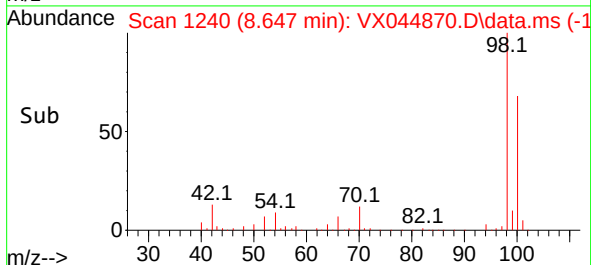
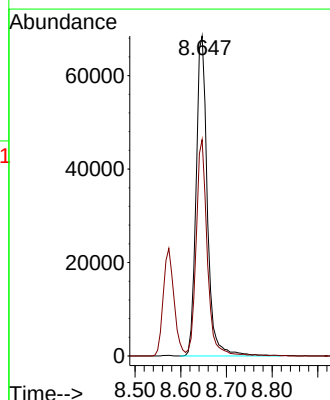
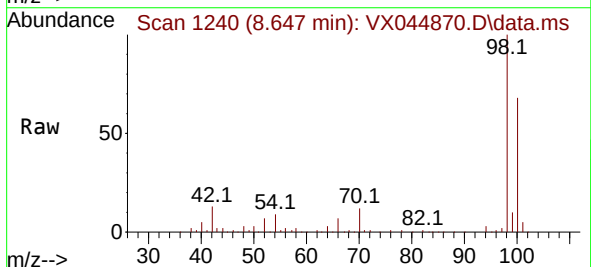
Acq: 10 Feb 2025 11:11

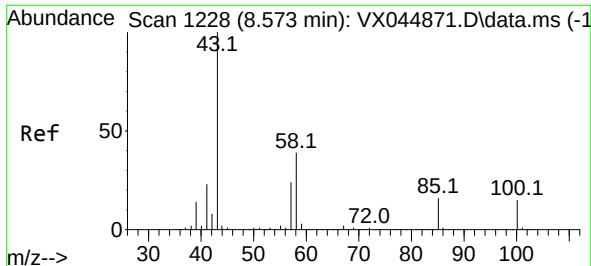
Tgt Ion: 98 Resp: 117127

Ion Ratio Lower Upper

98 100

100 66.4 52.7 79.1

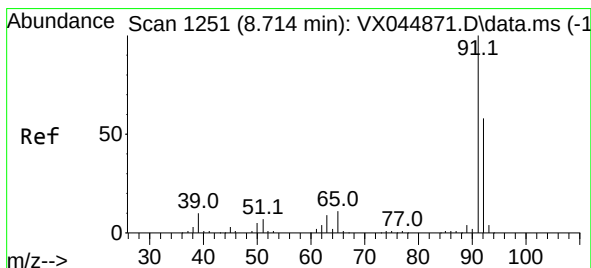
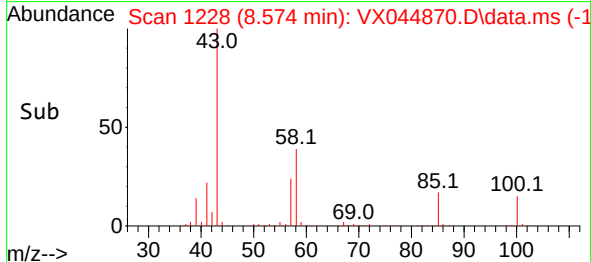
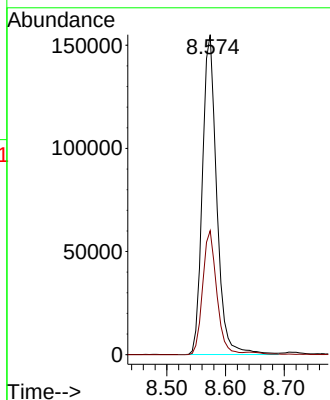
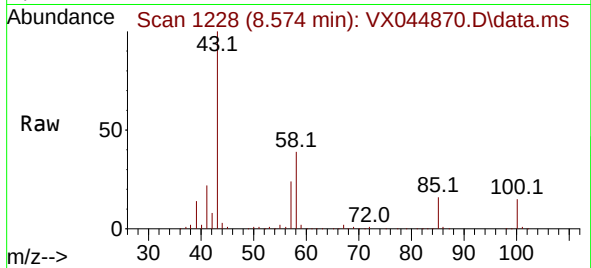




#51
4-Methyl-2-Pentanone
Concen: 109.684 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

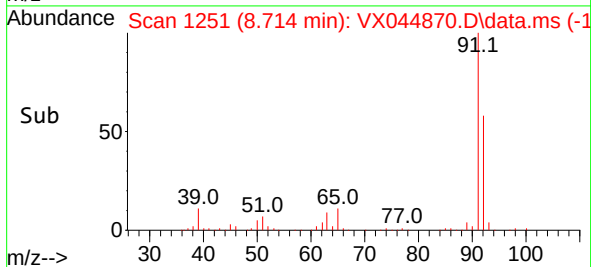
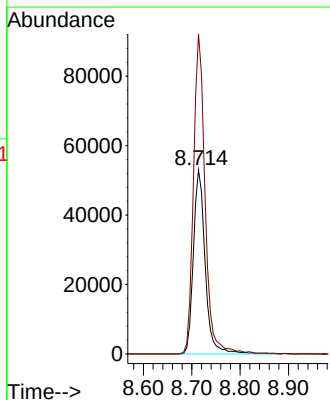
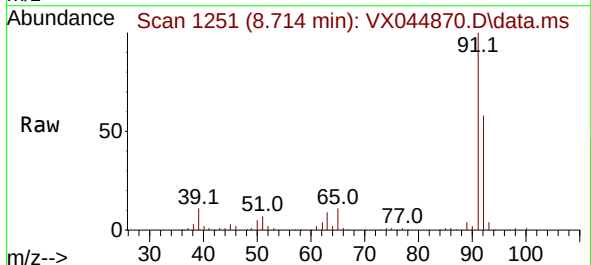
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

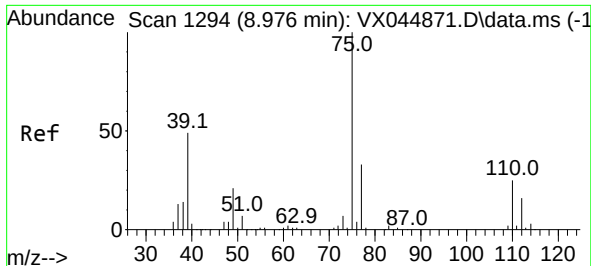
Tgt Ion: 43 Resp: 263394
Ion Ratio Lower Upper
43 100
58 38.1 30.8 46.2



#52
Toluene
Concen: 21.940 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 92 Resp: 89726
Ion Ratio Lower Upper
92 100
91 171.0 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 20.940 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

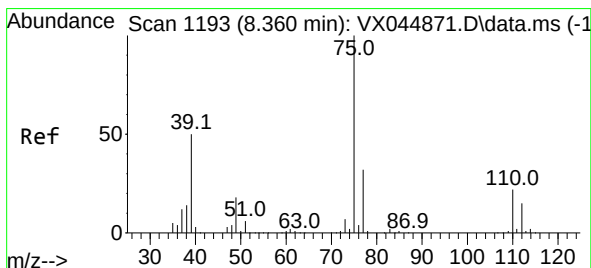
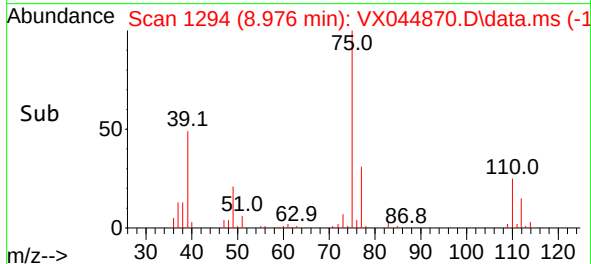
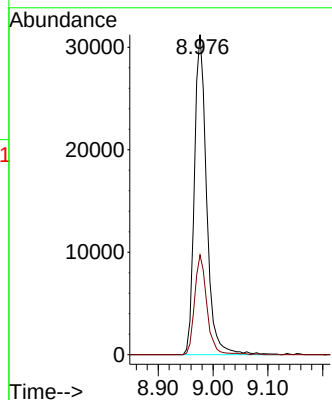
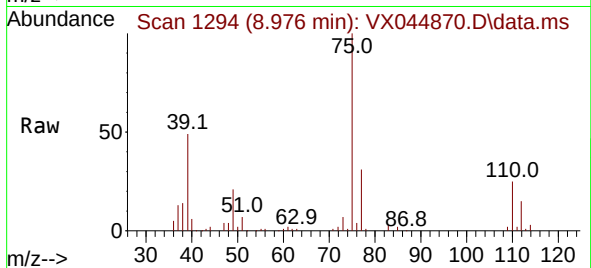
VSTDIC020

Tgt Ion: 75 Resp: 48613

Ion Ratio Lower Upper

75 100

77 31.2 26.0 39.0



#54

cis-1,3-Dichloropropene

Concen: 21.259 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.007 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

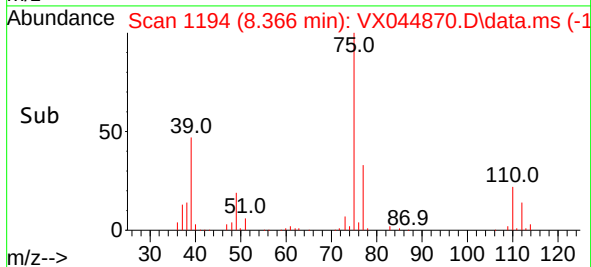
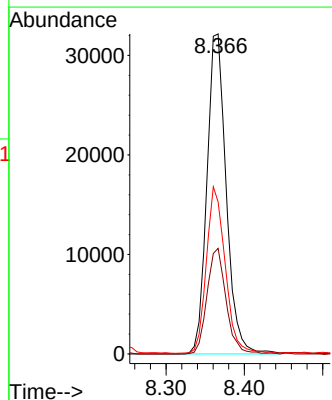
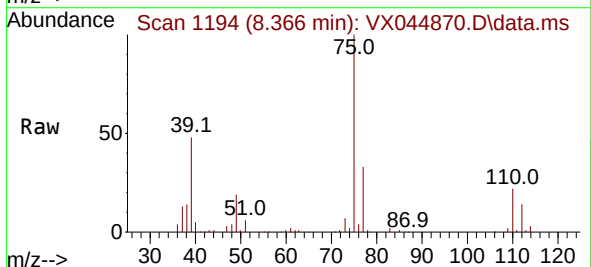
Tgt Ion: 75 Resp: 55026

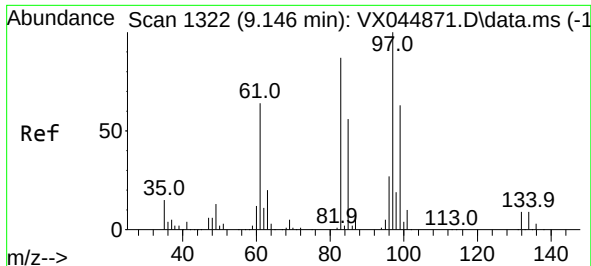
Ion Ratio Lower Upper

75 100

77 33.0 25.3 37.9

39 47.3 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 21.582 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 33930

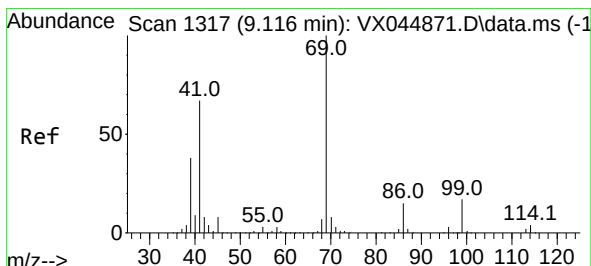
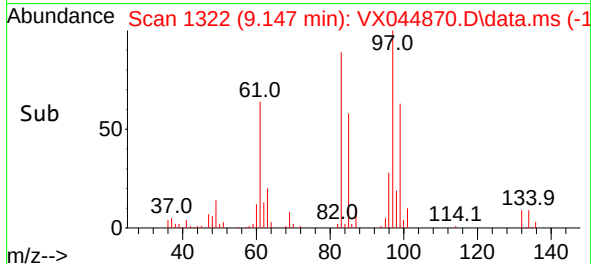
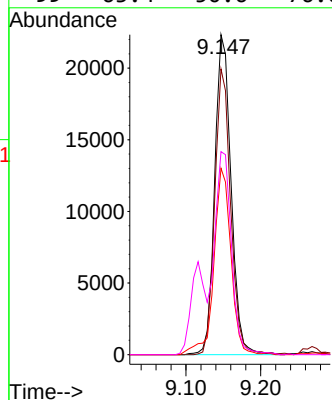
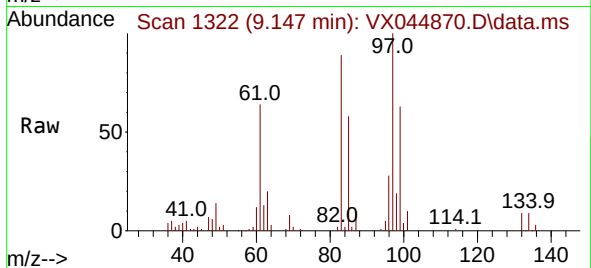
Ion Ratio Lower Upper

97 100

83 89.3 69.8 104.6

85 58.3 44.8 67.2

99 63.4 50.6 76.0



#56

Ethyl methacrylate

Concen: 21.533 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

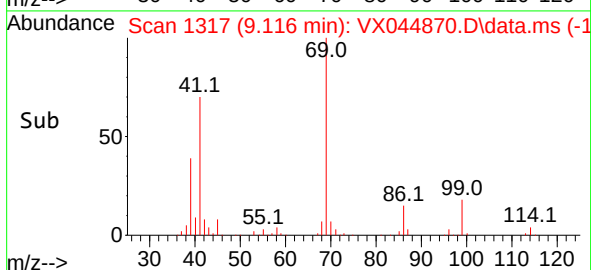
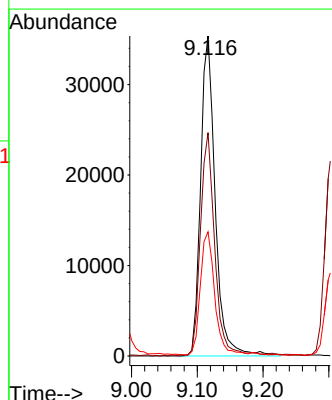
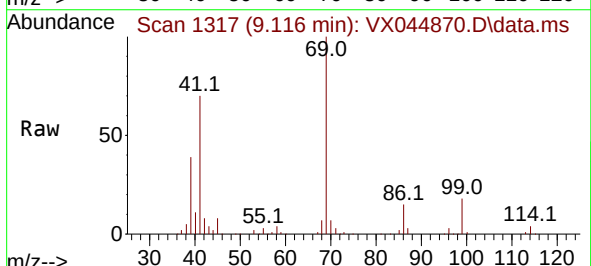
Tgt Ion: 69 Resp: 54674

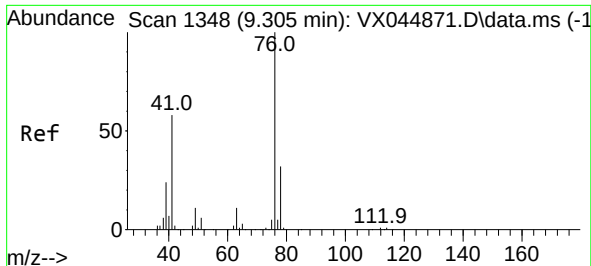
Ion Ratio Lower Upper

69 100

41 68.4 55.2 82.8

39 37.4 30.8 46.2





#57

1,3-Dichloropropane

Concen: 21.841 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

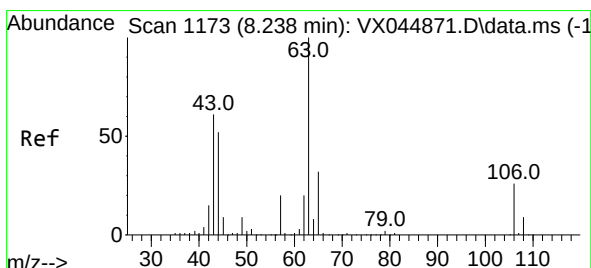
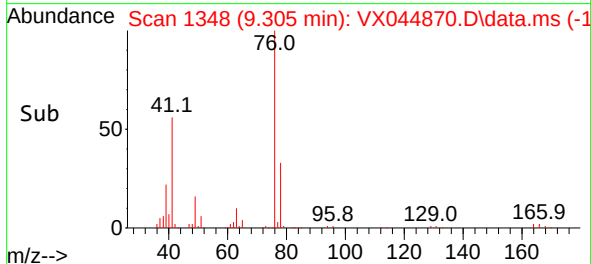
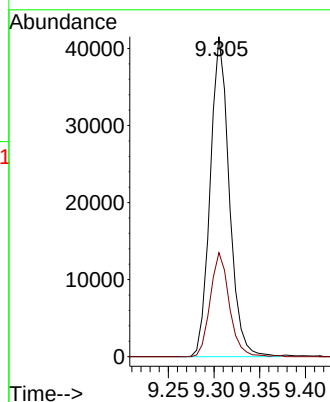
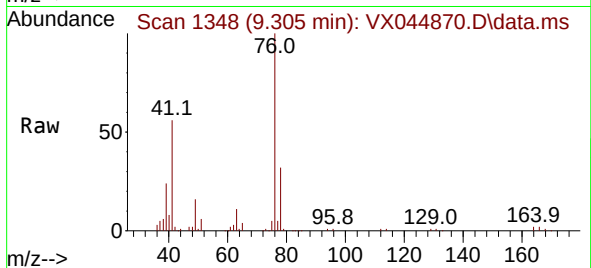
VSTDICC020

Tgt Ion: 76 Resp: 60079

Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 106.736 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044870.D

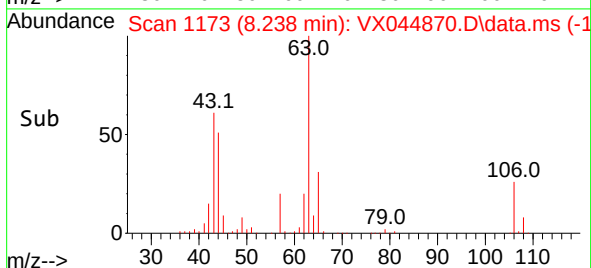
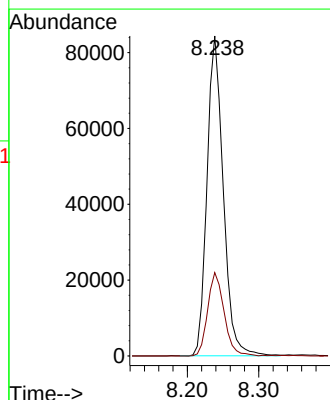
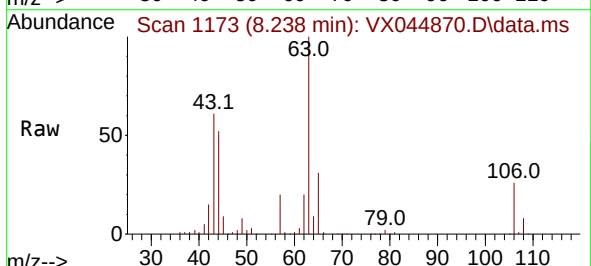
Acq: 10 Feb 2025 11:11

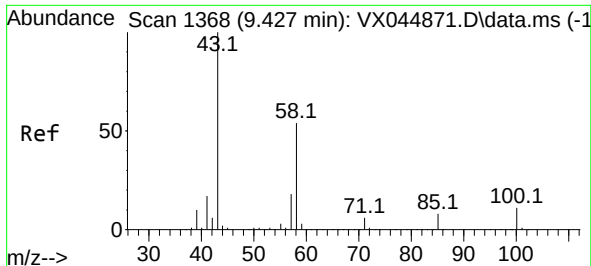
Tgt Ion: 63 Resp: 133072

Ion Ratio Lower Upper

63 100

106 26.6 21.3 31.9

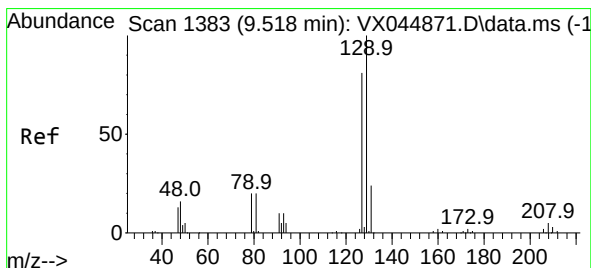
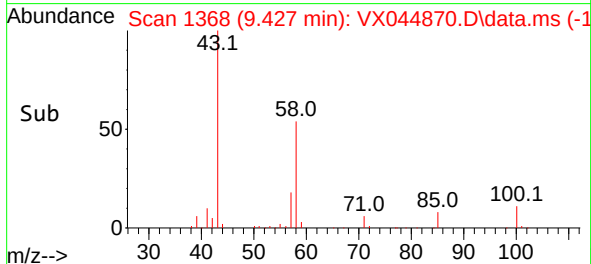
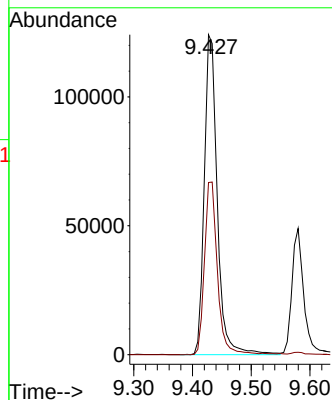
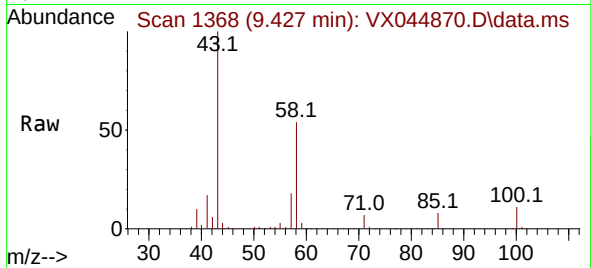




#59
2-Hexanone
Concen: 110.072 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

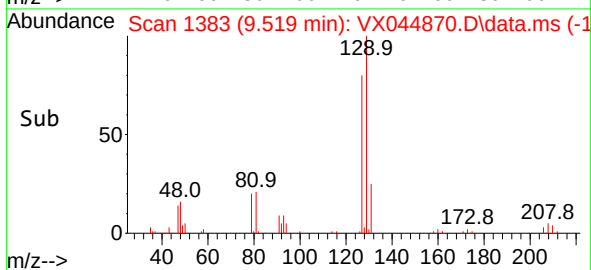
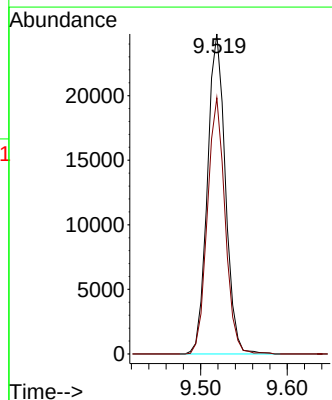
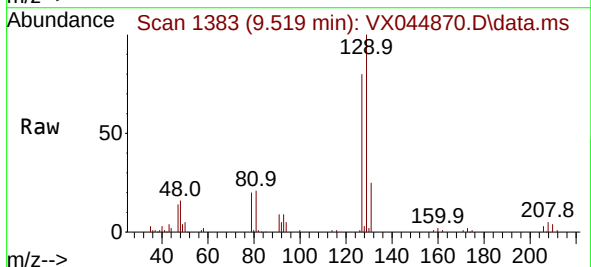
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

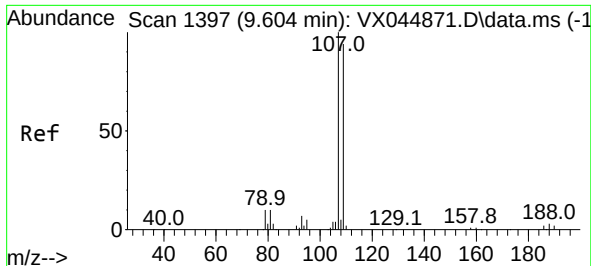
Tgt Ion: 43 Resp: 190449
Ion Ratio Lower Upper
43 100
58 53.5 27.5 82.4



#60
Dibromochloromethane
Concen: 21.237 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 129 Resp: 35706
Ion Ratio Lower Upper
129 100
127 79.0 39.1 117.3

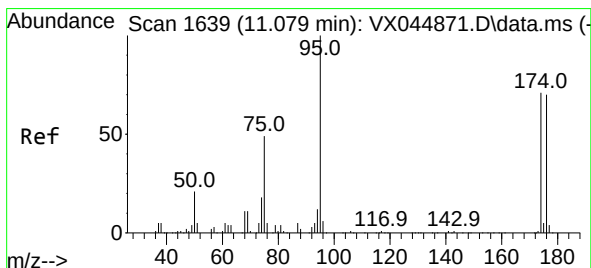
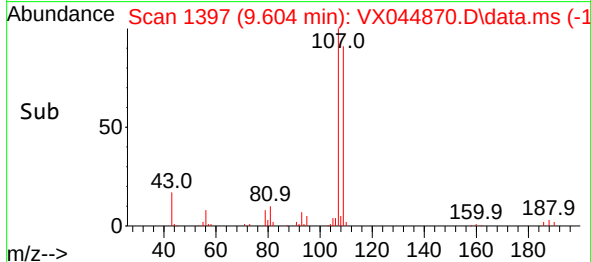
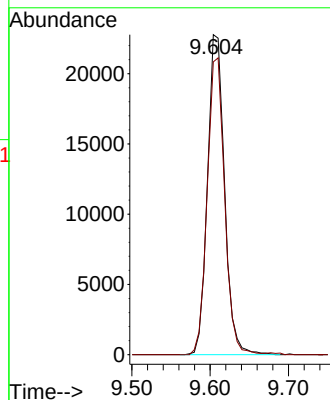
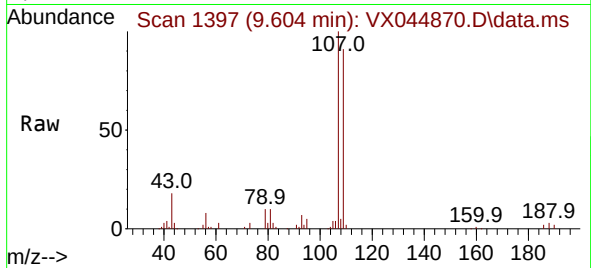




#61
1,2-Dibromoethane
Concen: 21.628 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

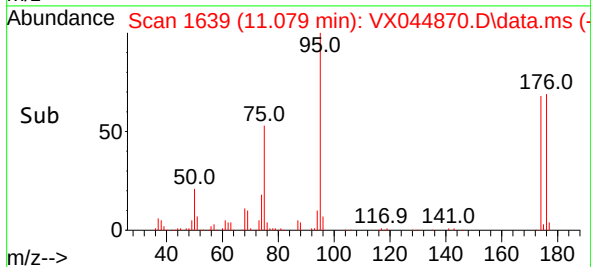
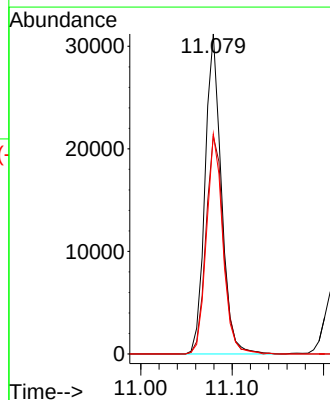
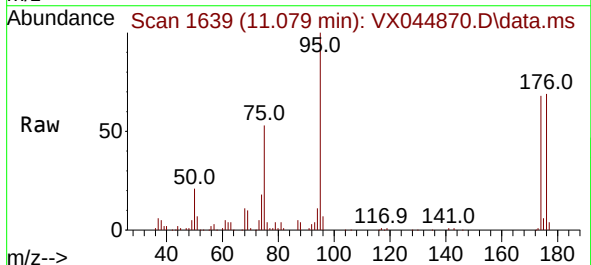
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

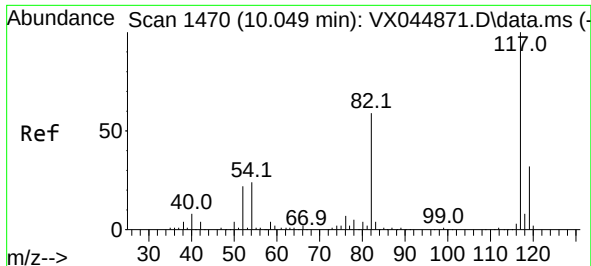
Tgt Ion:107 Resp: 34463
Ion Ratio Lower Upper
107 100
109 94.5 75.9 113.9



#62
4-Bromofluorobenzene
Concen: 19.800 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 95 Resp: 38475
Ion Ratio Lower Upper
95 100
174 73.5 0.0 142.6
176 69.0 0.0 141.6

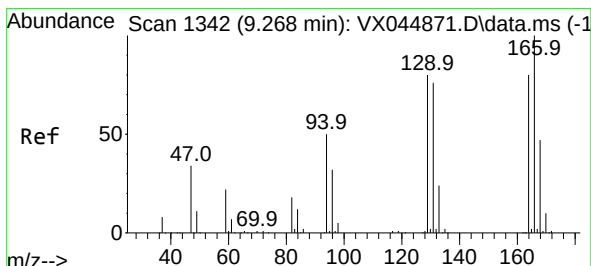
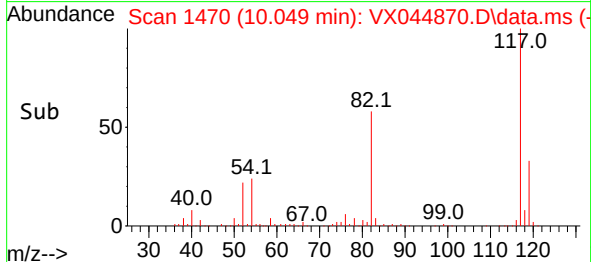
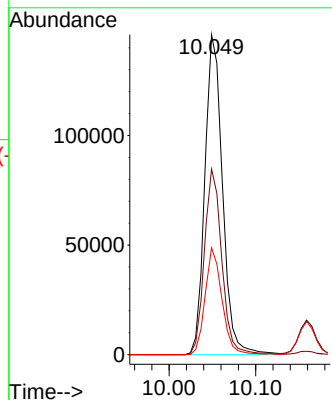
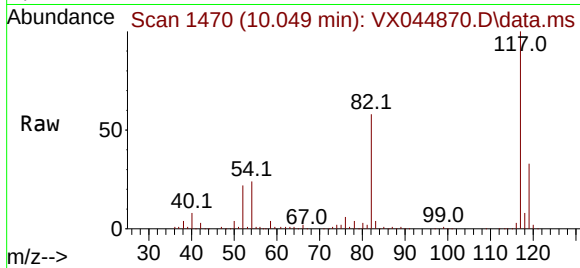




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

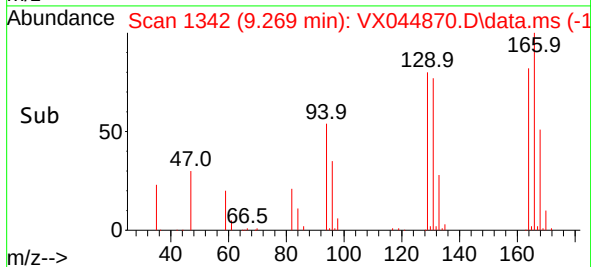
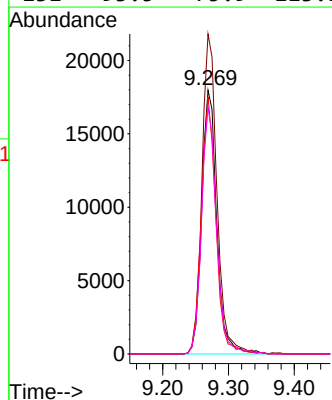
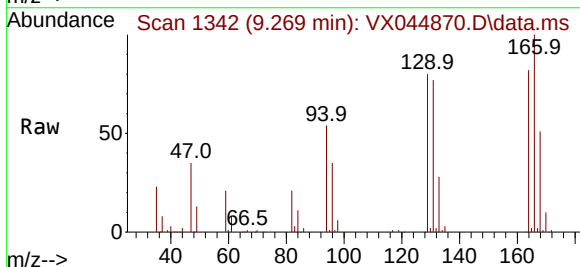
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

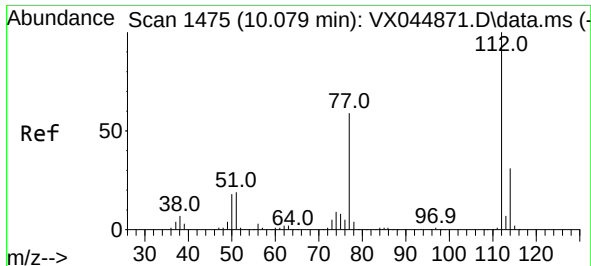
Tgt Ion:117 Resp: 207667
Ion Ratio Lower Upper
117 100
82 58.0 47.5 71.3
119 33.4 25.4 38.0



#64
Tetrachloroethene
Concen: 21.776 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:164 Resp: 28519
Ion Ratio Lower Upper
164 100
166 121.4 100.4 150.6
129 97.6 79.9 119.9
131 93.5 75.9 113.9

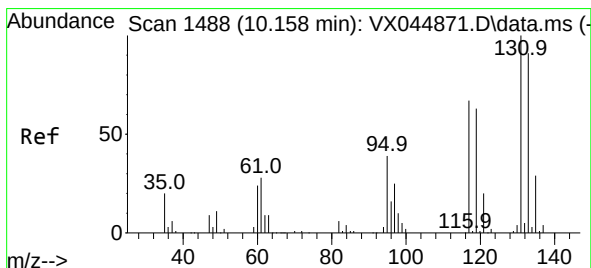
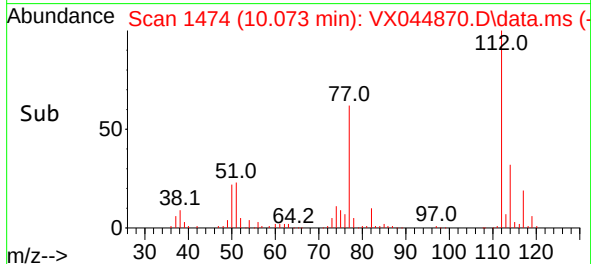
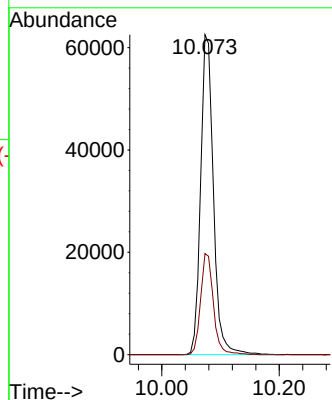
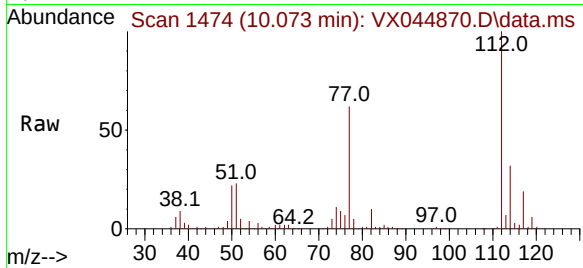




#65
Chlorobenzene
Concen: 21.230 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

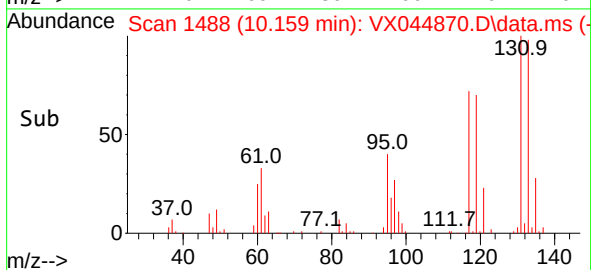
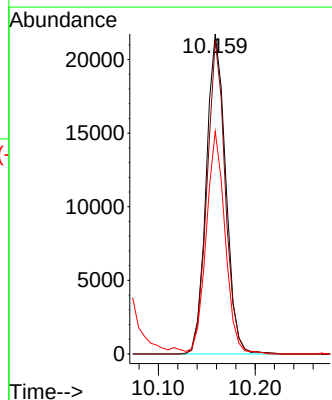
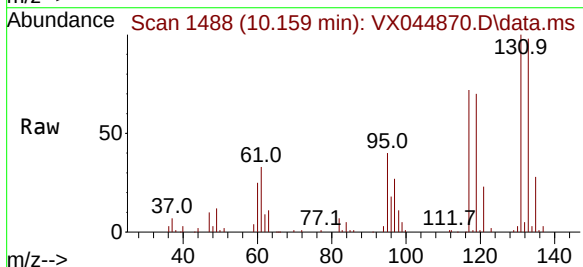
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

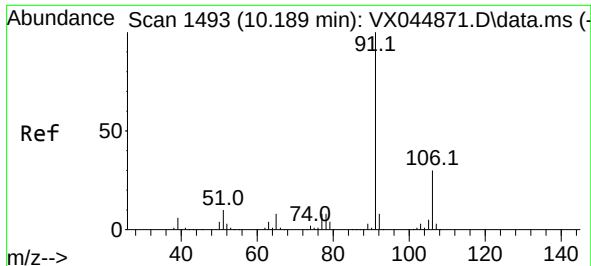
Tgt Ion:112 Resp: 94695
Ion Ratio Lower Upper
112 100
114 31.6 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.136 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:131 Resp: 30344
Ion Ratio Lower Upper
131 100
133 92.9 47.1 141.3
119 67.4 33.6 100.6





#67

Ethyl Benzene

Concen: 21.327 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

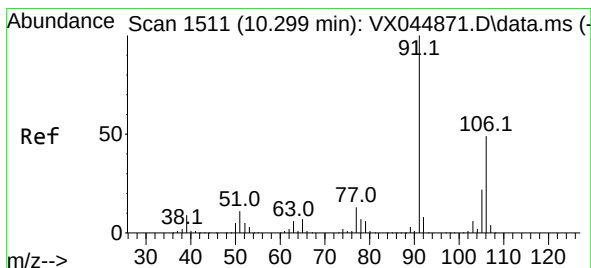
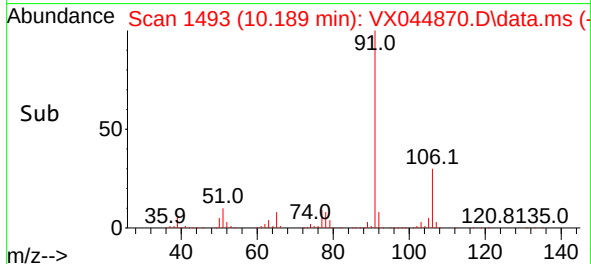
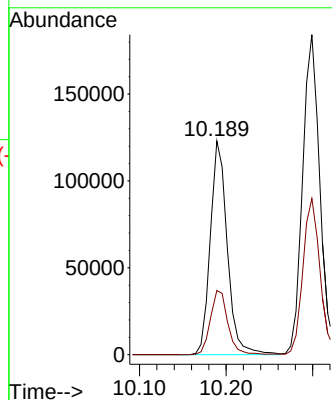
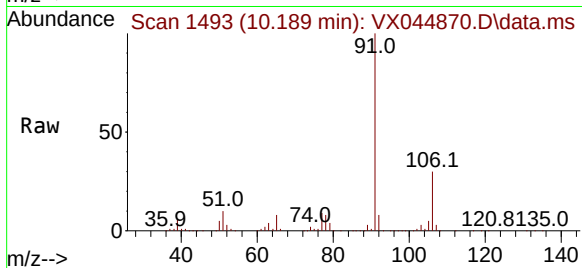
VSTDIC020

Tgt Ion: 91 Resp: 167865

Ion Ratio Lower Upper

91 100

106 30.0 23.9 35.9



#68

m/p-Xylenes

Concen: 43.144 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044870.D

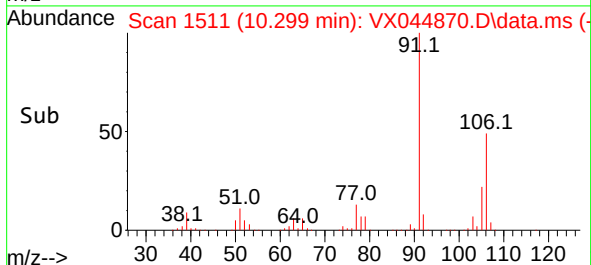
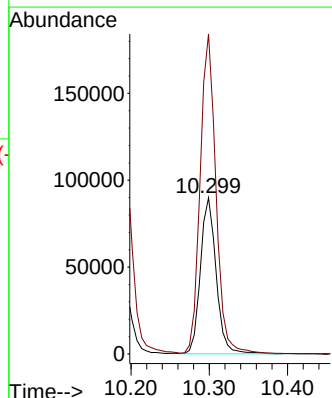
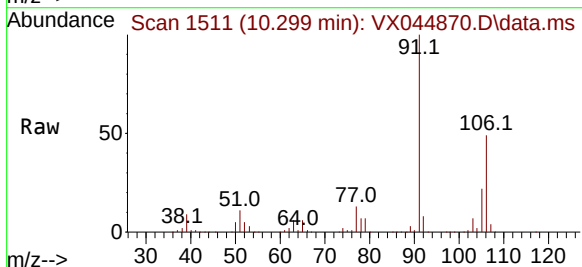
Acq: 10 Feb 2025 11:11

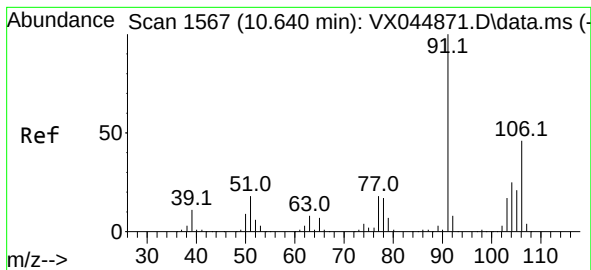
Tgt Ion: 106 Resp: 125271

Ion Ratio Lower Upper

106 100

91 206.3 164.3 246.5

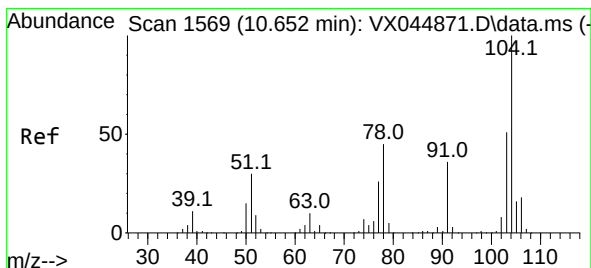
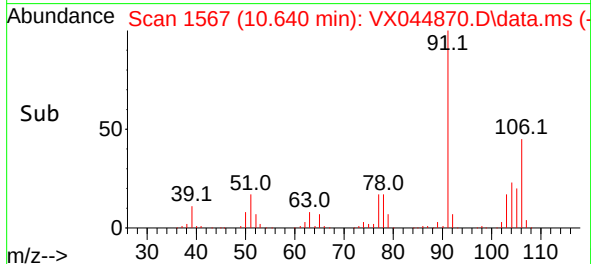
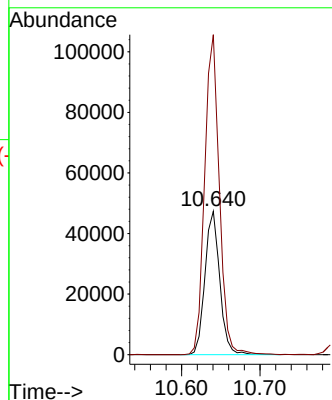
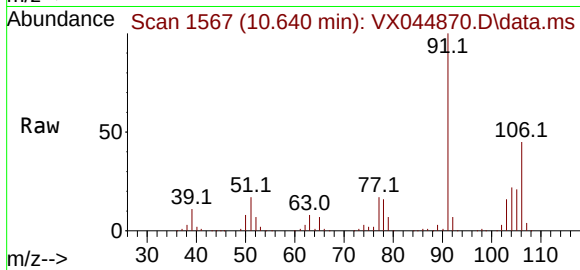




#69
o-Xylene
Concen: 21.310 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

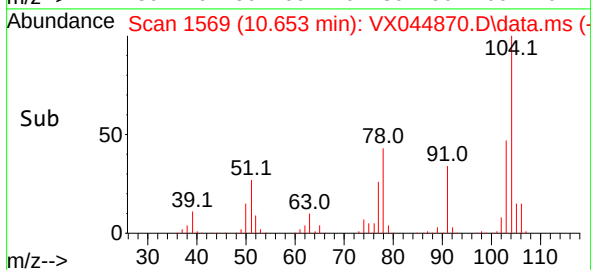
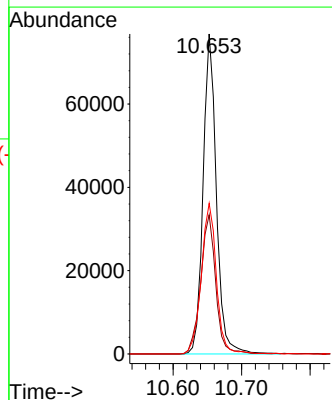
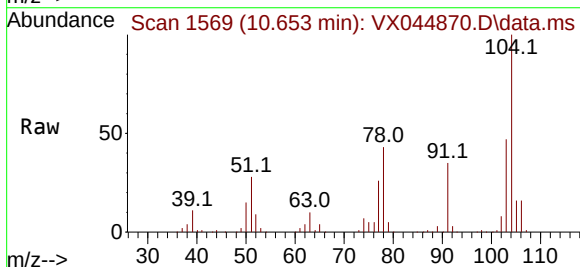
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

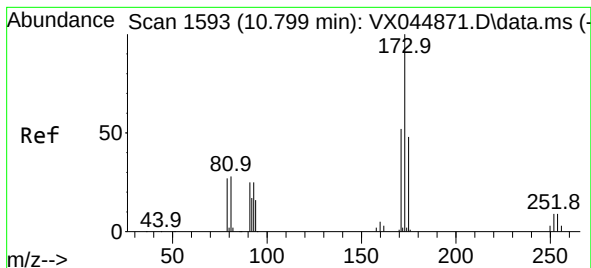
Tgt Ion:106 Resp: 62087
Ion Ratio Lower Upper
106 100
91 221.5 108.5 325.5



#70
Styrene
Concen: 22.101 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:104 Resp: 103740
Ion Ratio Lower Upper
104 100
78 49.2 40.5 60.7
103 53.5 43.6 65.4

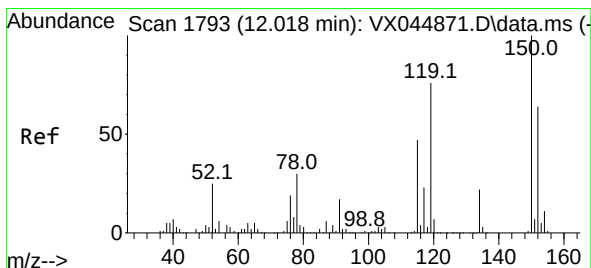
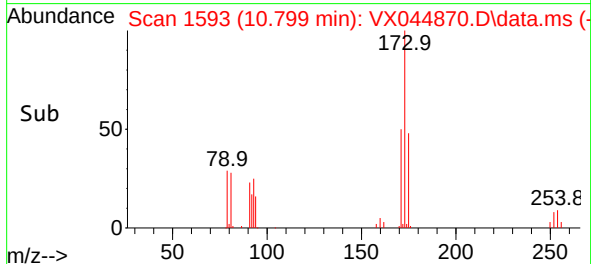
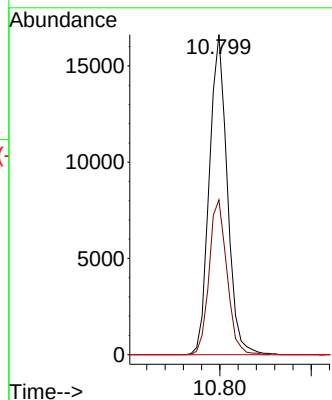
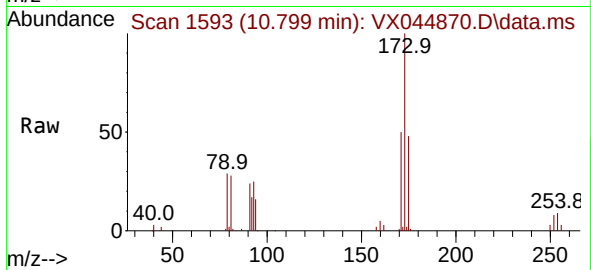




#71
Bromoform
Concen: 21.086 ug/l
RT: 10.799 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

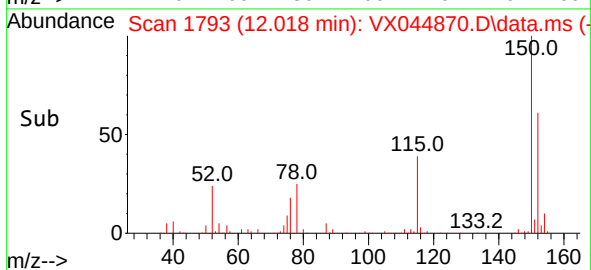
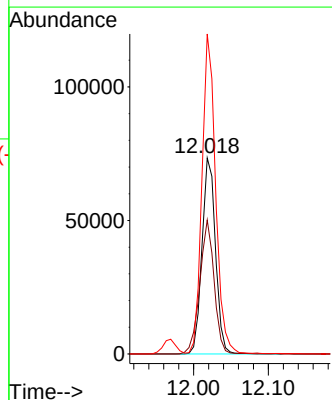
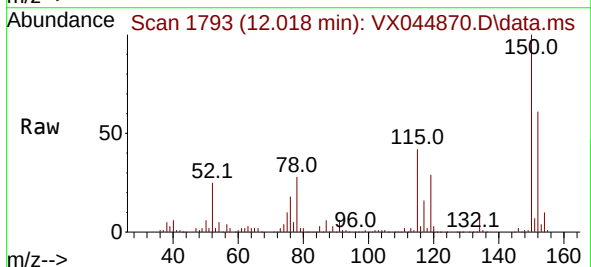
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

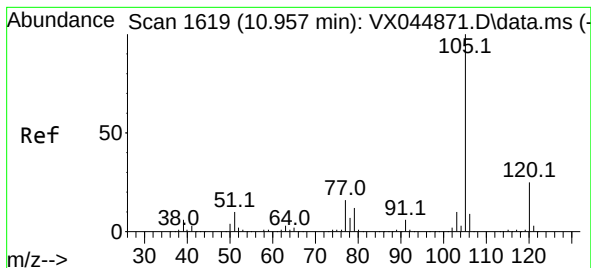
Tgt Ion:173 Resp: 22592
Ion Ratio Lower Upper
173 100
175 48.0 24.3 72.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:152 Resp: 92093
Ion Ratio Lower Upper
152 100
115 72.4 43.4 130.1
150 164.8 0.0 350.4

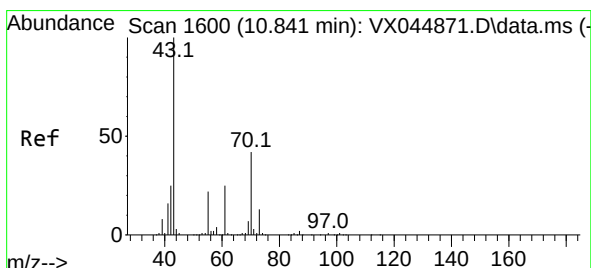
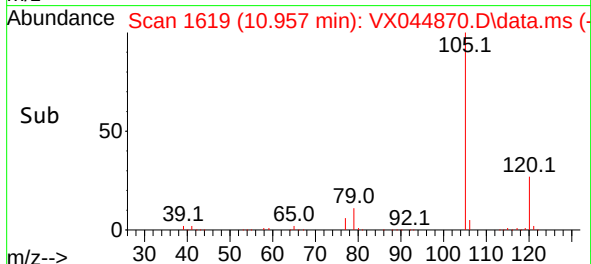
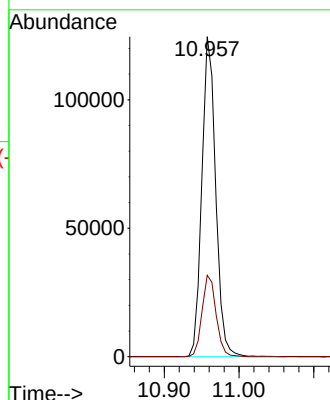
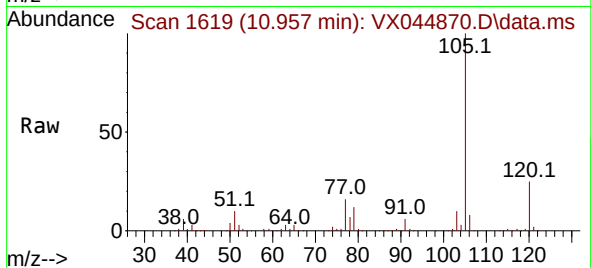




#73
Isopropylbenzene
Concen: 21.597 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

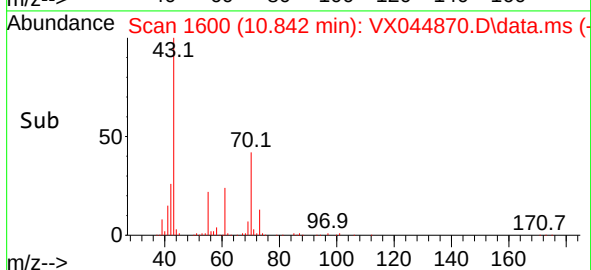
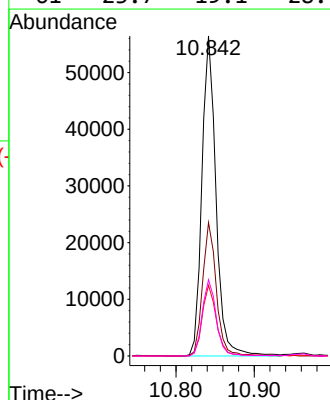
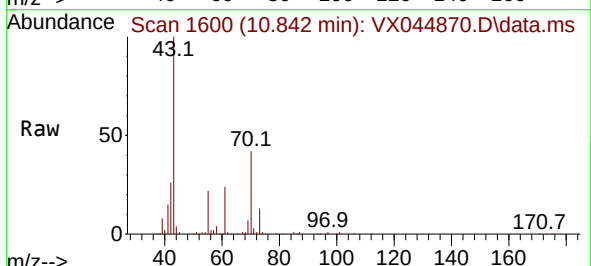
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

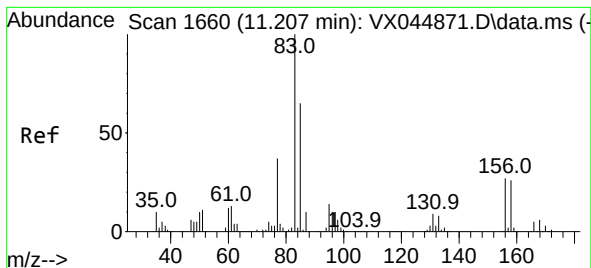
Tgt Ion:105 Resp: 160147
Ion Ratio Lower Upper
105 100
120 25.7 13.2 39.5



#74
N-ethyl acetate
Concen: 21.023 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 43 Resp: 70542
Ion Ratio Lower Upper
43 100
70 40.7 33.7 50.5
55 22.4 18.6 27.8
61 23.7 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.787 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.007 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

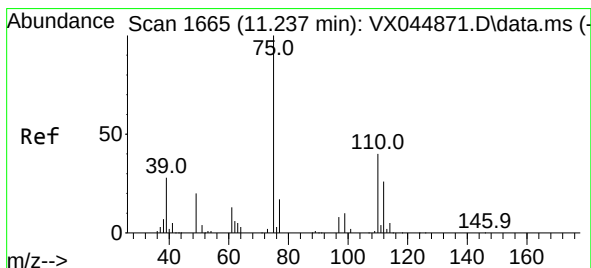
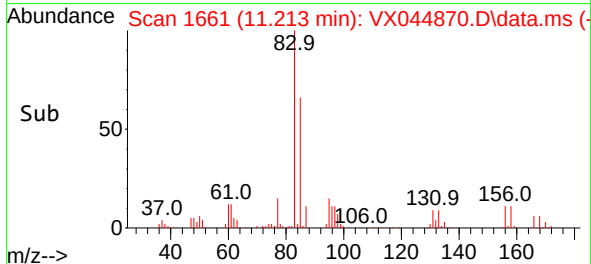
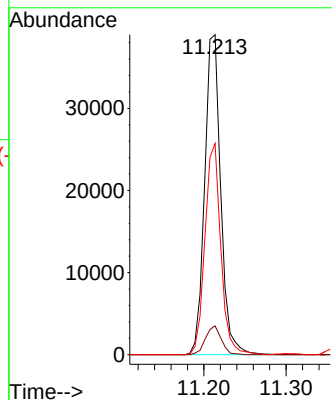
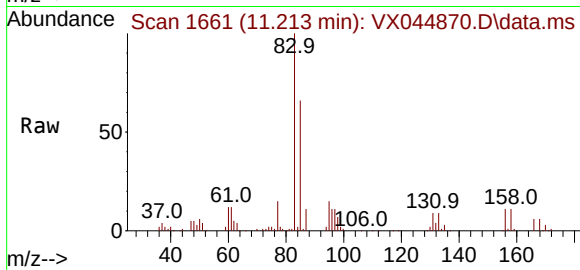
Tgt Ion: 83 Resp: 52967

Ion Ratio Lower Upper

83 100

131 8.8 4.5 13.5

85 65.1 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 27.246 ug/l

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX044870.D

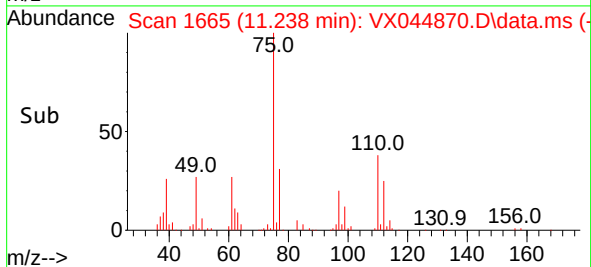
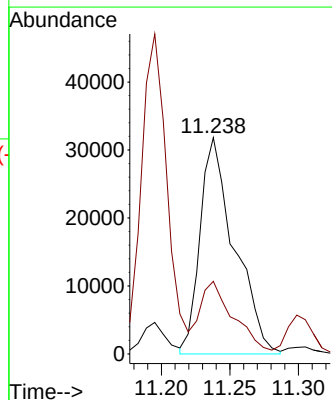
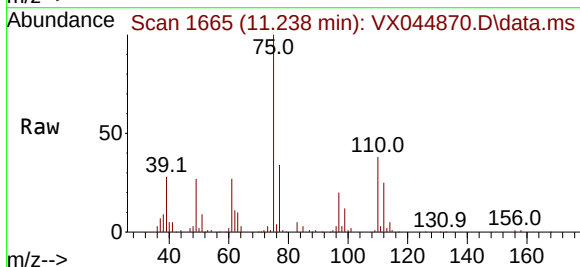
Acq: 10 Feb 2025 11:11

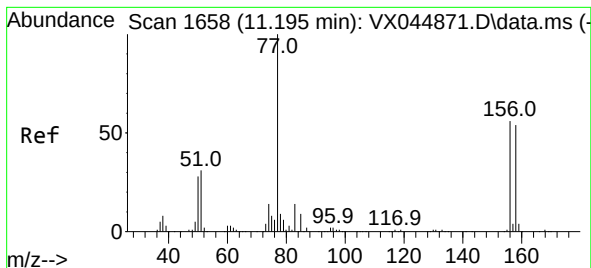
Tgt Ion: 75 Resp: 55632

Ion Ratio Lower Upper

75 100

77 33.0 21.9 65.7





#77

Bromobenzene

Concen: 21.426 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

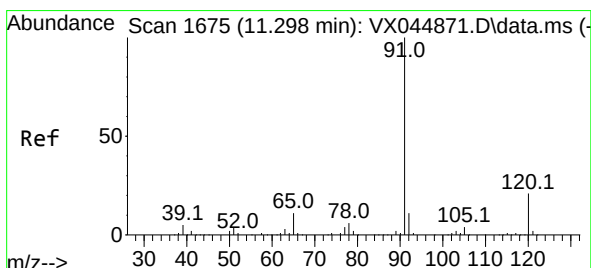
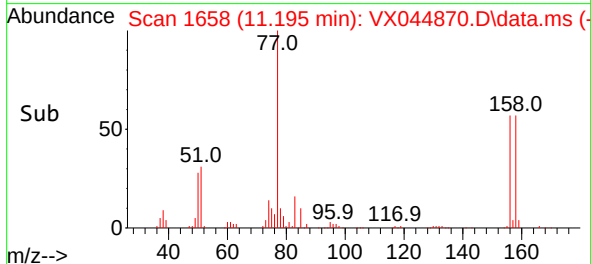
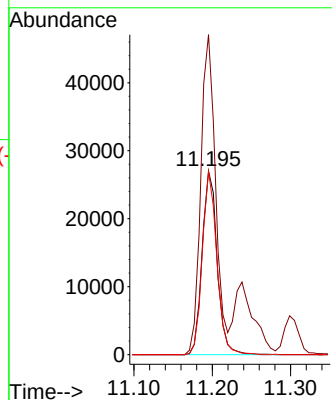
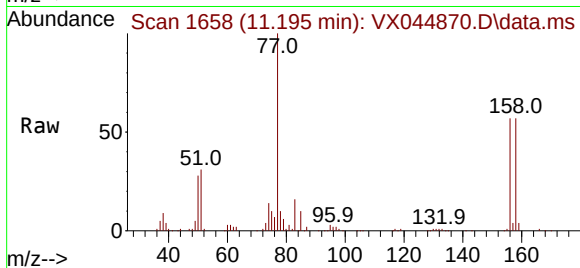
Tgt Ion:156 Resp: 36021

Ion Ratio Lower Upper

156 100

77 171.1 88.4 265.3

158 96.8 48.4 145.2



#78

n-propylbenzene

Concen: 21.406 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VX044870.D

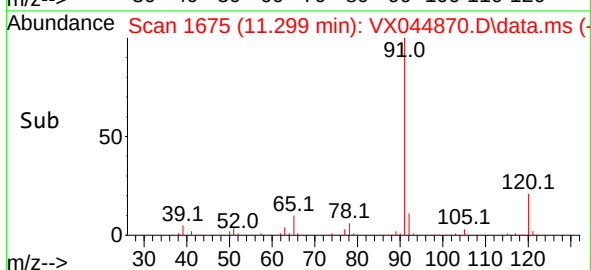
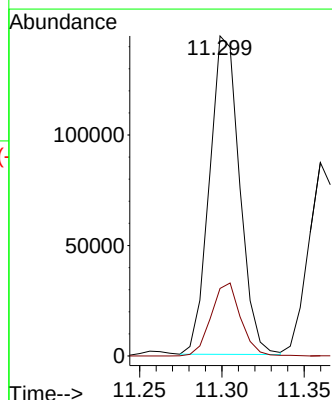
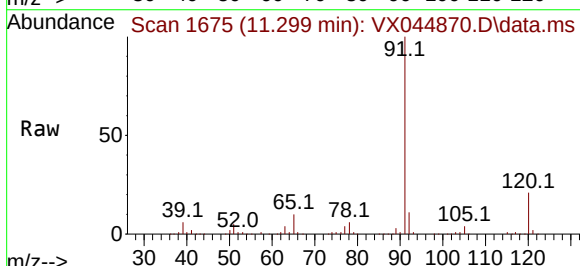
Acq: 10 Feb 2025 11:11

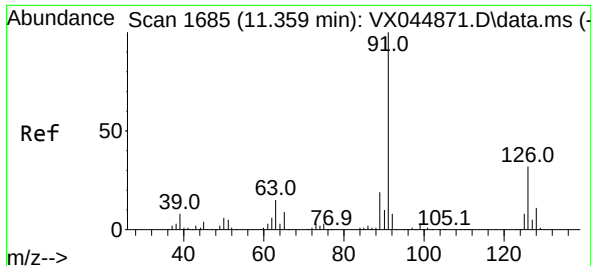
Tgt Ion: 91 Resp: 183212

Ion Ratio Lower Upper

91 100

120 22.6 11.1 33.3

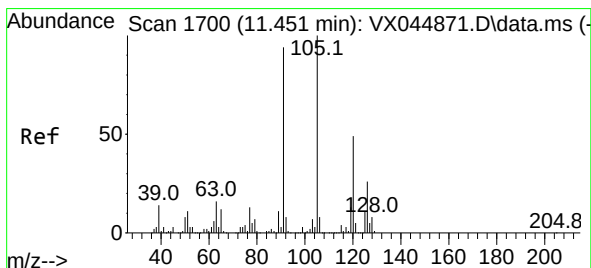
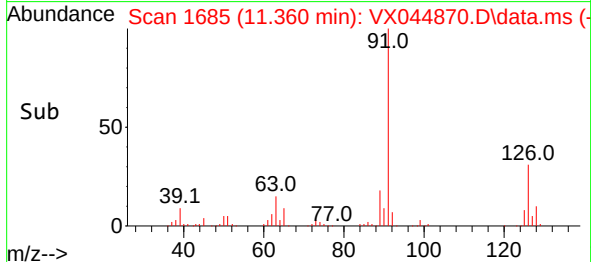
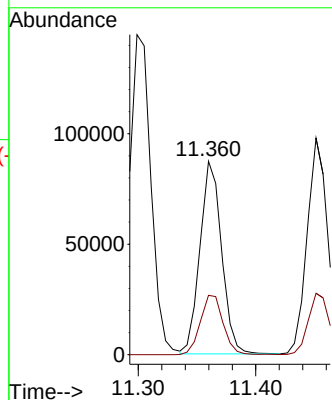
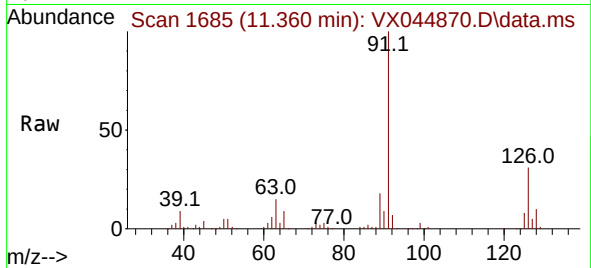




#79
2-Chlorotoluene
Concen: 21.250 ug/l
RT: 11.360 min Scan# 111782
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

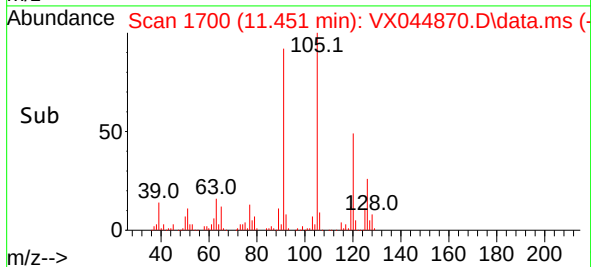
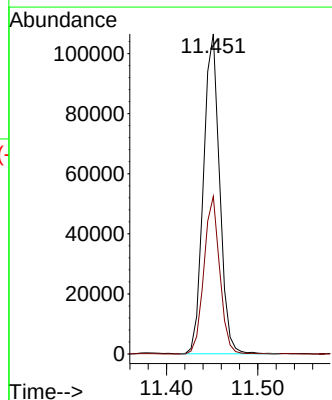
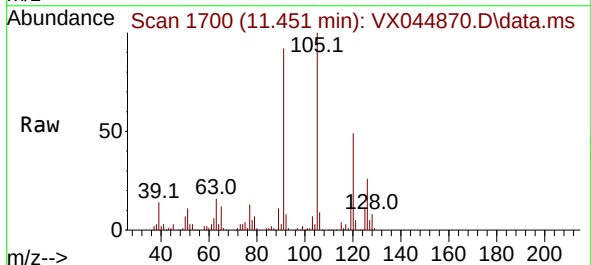
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

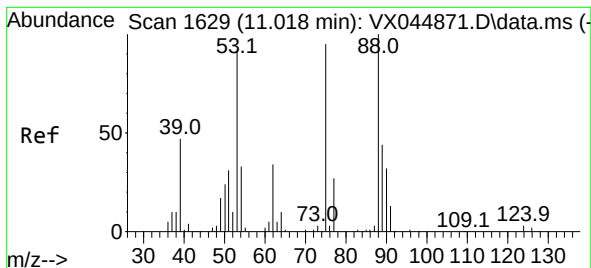
Tgt Ion: 91 Resp: 111782
Ion Ratio Lower Upper
91 100
126 32.6 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 21.691 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 105 Resp: 130526
Ion Ratio Lower Upper
105 100
120 48.1 24.0 72.0

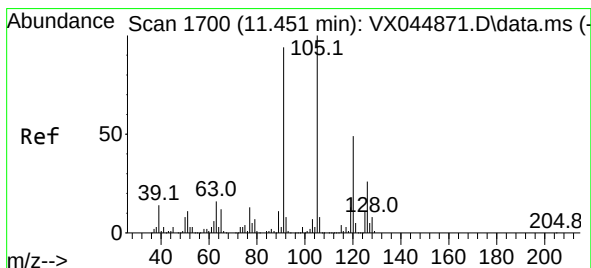
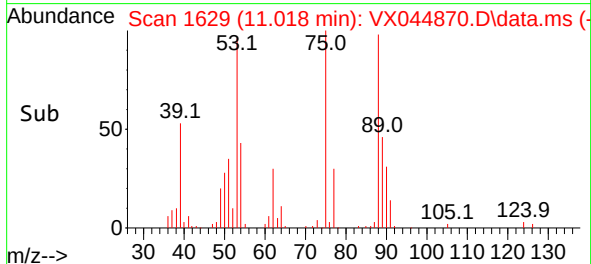
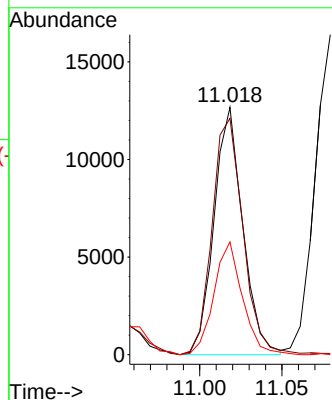
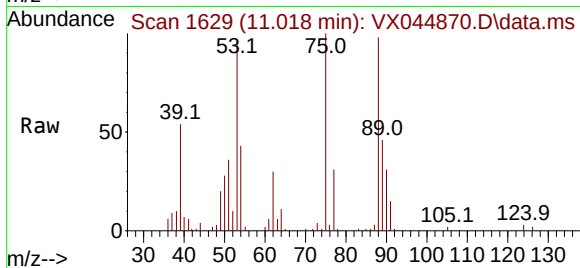




#81
trans-1,4-Dichloro-2-butene
Concen: 19.370 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

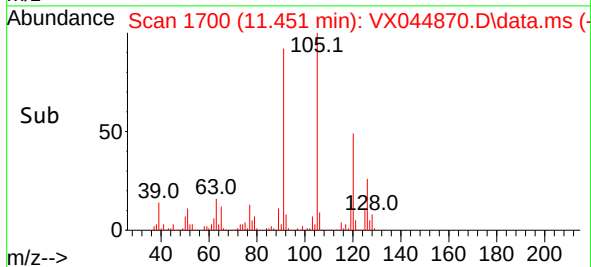
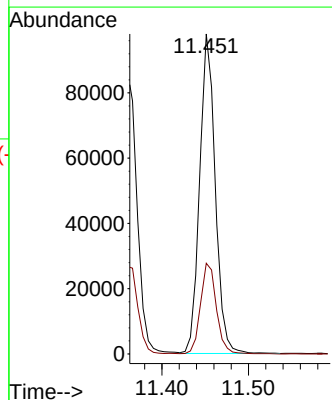
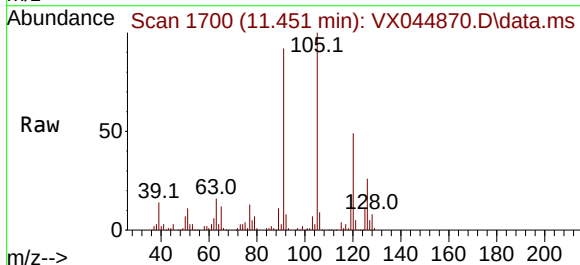
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

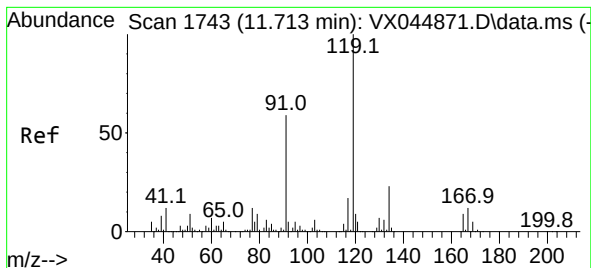
Tgt Ion: 75 Resp: 15375
Ion Ratio Lower Upper
75 100
53 103.3 78.0 117.0
89 45.3 36.6 54.8



#82
4-Chlorotoluene
Concen: 21.016 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 91 Resp: 122303
Ion Ratio Lower Upper
91 100
126 28.6 14.2 42.6





#83

tert-Butylbenzene

Concen: 21.414 ug/l

RT: 11.713 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC020

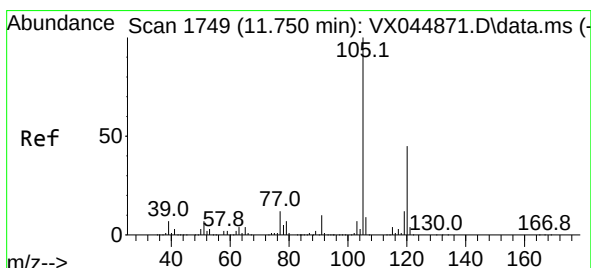
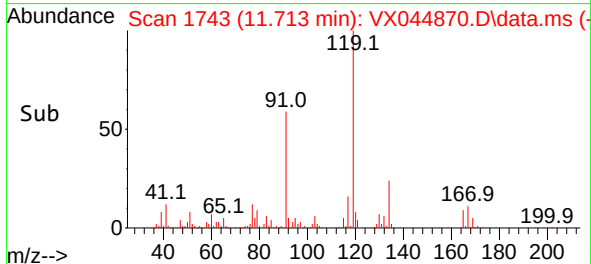
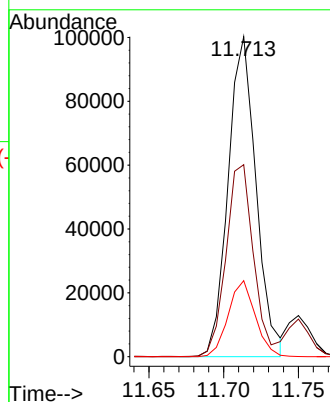
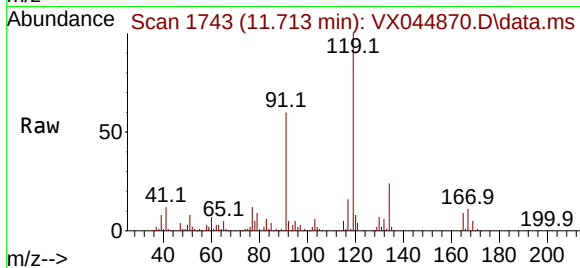
Tgt Ion:119 Resp: 130358

Ion Ratio Lower Upper

119 100

91 58.6 29.1 87.4

134 23.1 11.5 34.5



#84

1,2,4-Trimethylbenzene

Concen: 21.924 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044870.D

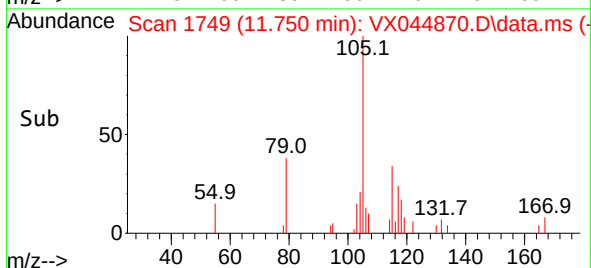
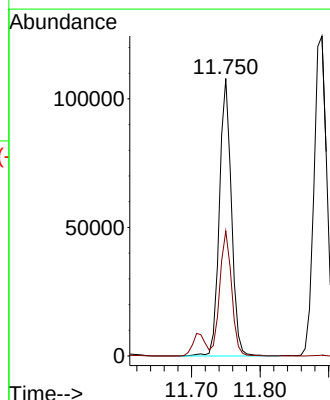
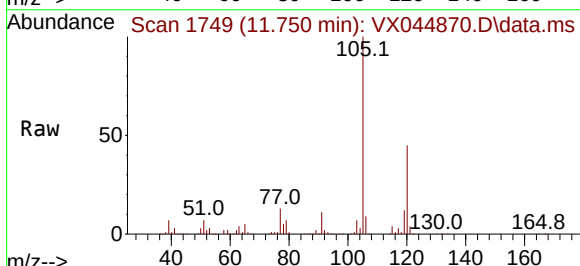
Acq: 10 Feb 2025 11:11

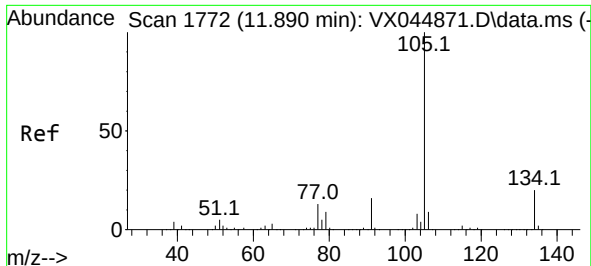
Tgt Ion:105 Resp: 130211

Ion Ratio Lower Upper

105 100

120 44.7 22.4 67.0

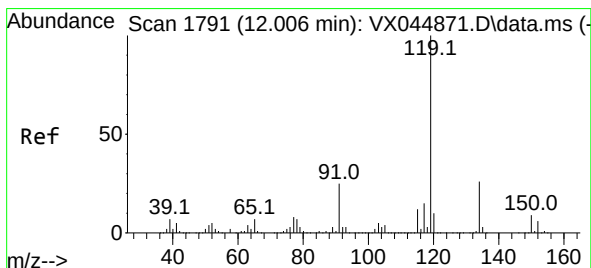
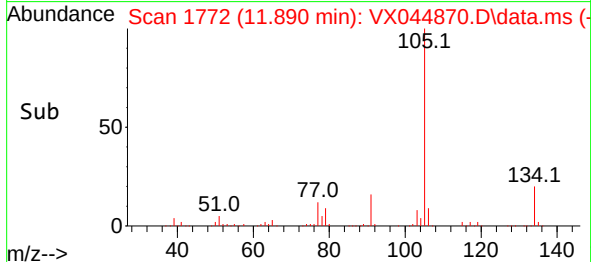
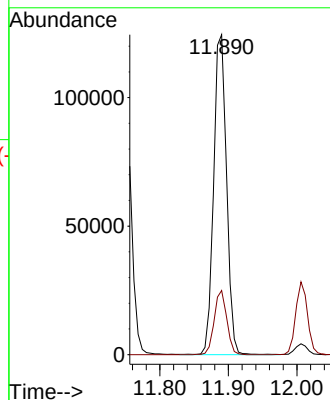
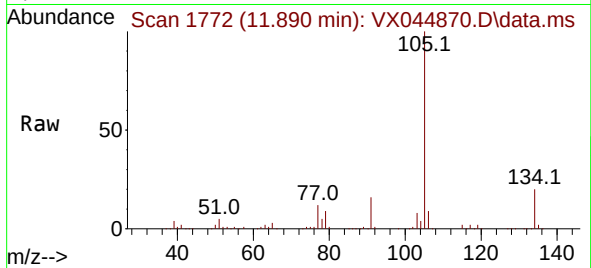




#85
 sec-Butylbenzene
 Concen: 21.607 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX044870.D
 Acq: 10 Feb 2025 11:11

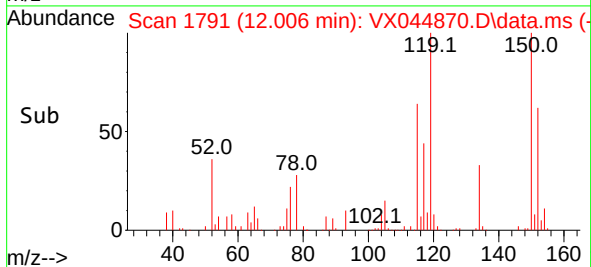
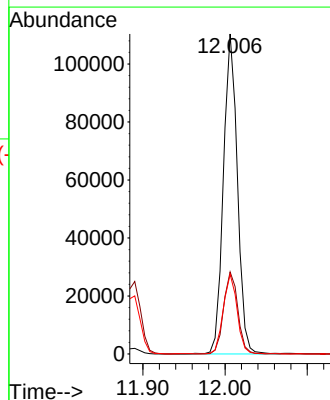
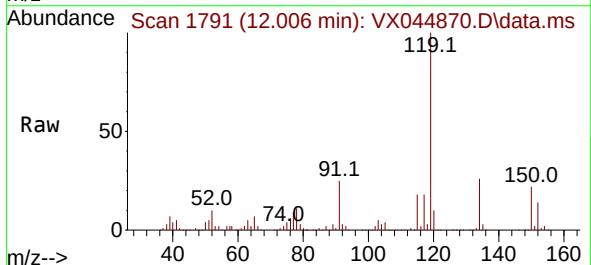
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

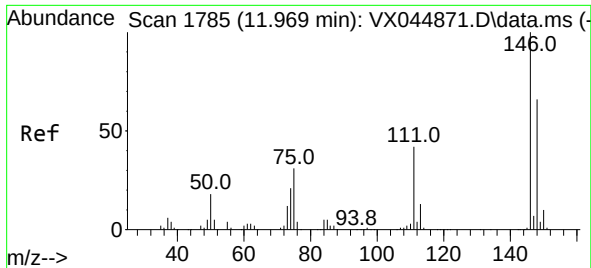
Tgt Ion:105 Resp: 162875
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 21.551 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX044870.D
 Acq: 10 Feb 2025 11:11

Tgt Ion:119 Resp: 130643
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 38.9
 91 24.7 12.1 36.3

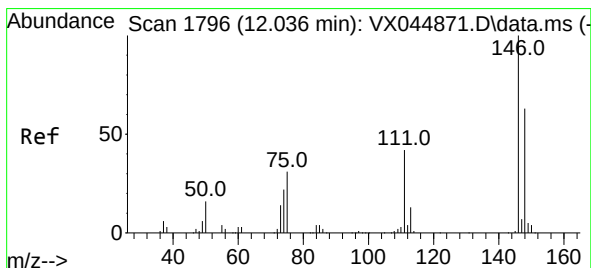
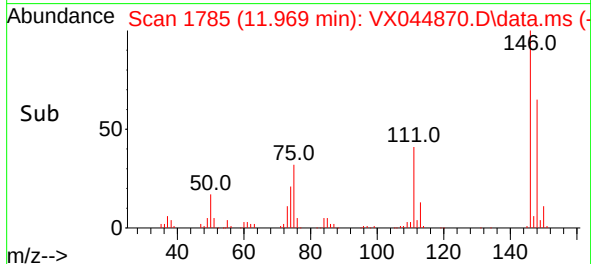
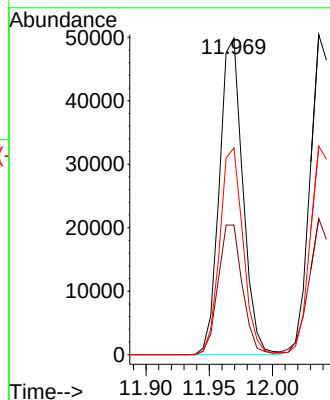
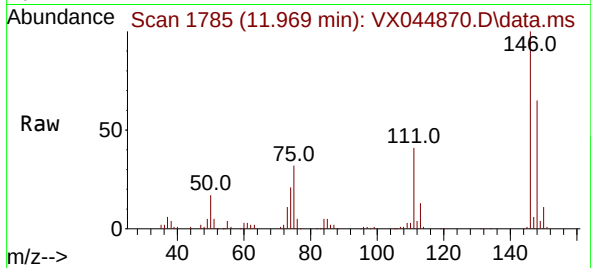




#87
 1,3-Dichlorobenzene
 Concen: 20.747 ug/l
 RT: 11.969 min Scan# 1785
 Delta R.T. 0.000 min
 Lab File: VX044870.D
 Acq: 10 Feb 2025 11:11

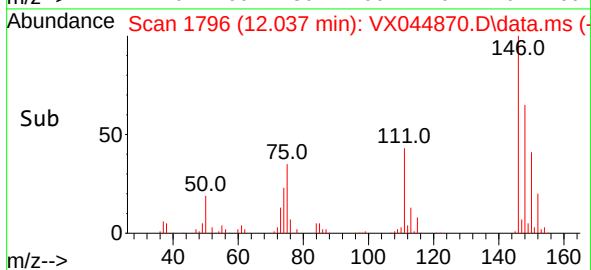
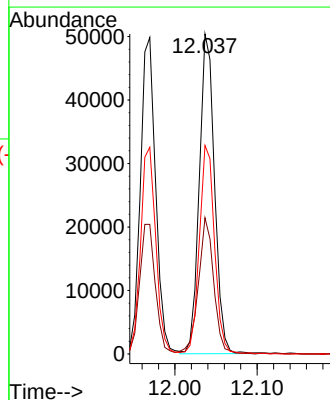
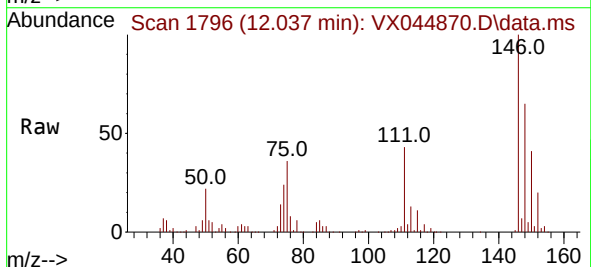
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

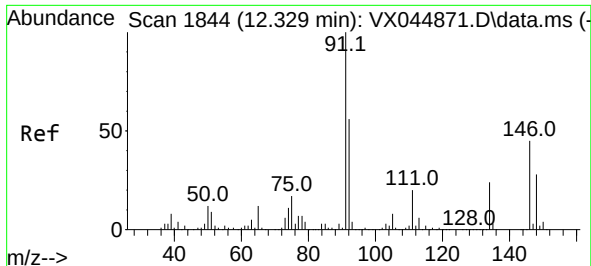
Tgt Ion:146 Resp: 64141
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.2 63.6
 148 65.2 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 20.758 ug/l
 RT: 12.037 min Scan# 1796
 Delta R.T. 0.000 min
 Lab File: VX044870.D
 Acq: 10 Feb 2025 11:11

Tgt Ion:146 Resp: 64889
 Ion Ratio Lower Upper
 146 100
 111 42.9 20.4 61.3
 148 65.3 32.0 96.0

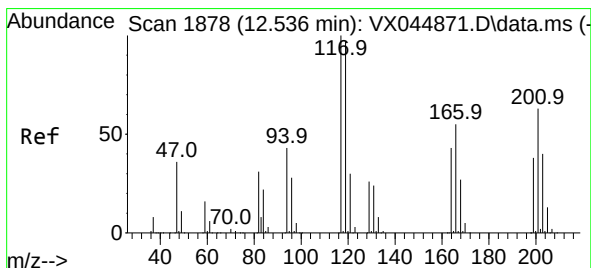
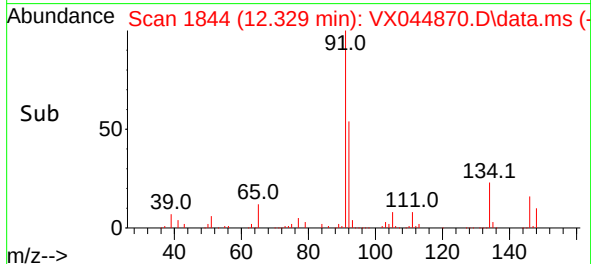
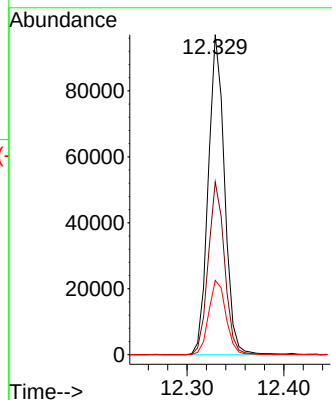
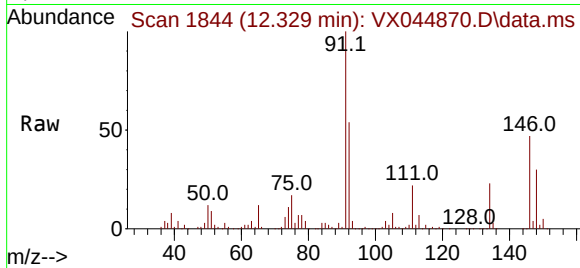




#89
n-Butylbenzene
Concen: 21.202 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

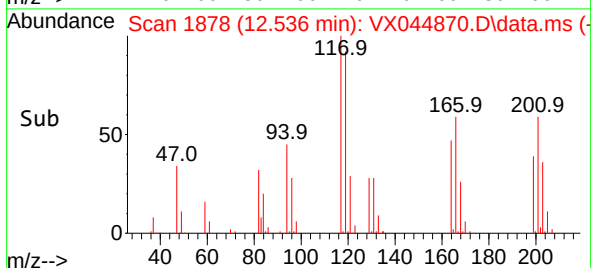
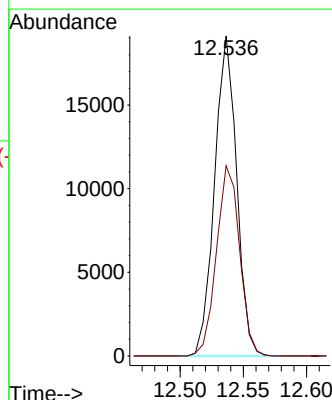
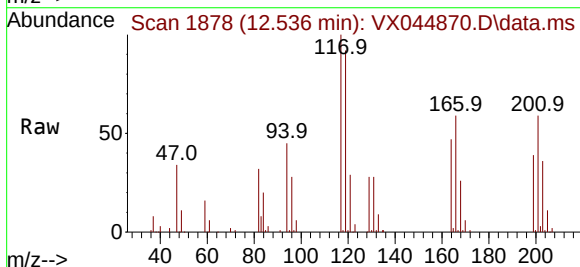
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

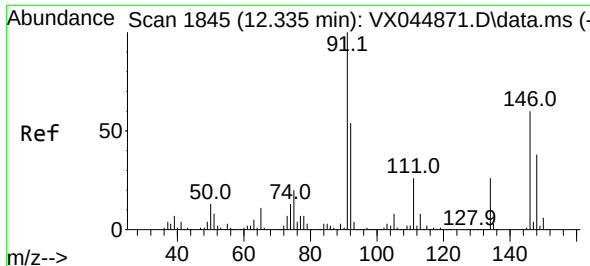
Tgt Ion: 91 Resp: 113705
Ion Ratio Lower Upper
91 100
92 54.3 27.2 81.6
134 24.7 12.1 36.3



#90
Hexachloroethane
Concen: 20.398 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 117 Resp: 23153
Ion Ratio Lower Upper
117 100
201 62.4 32.5 97.5

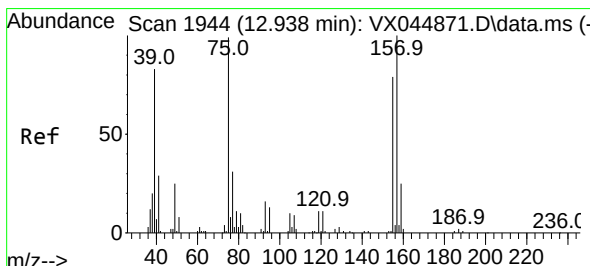
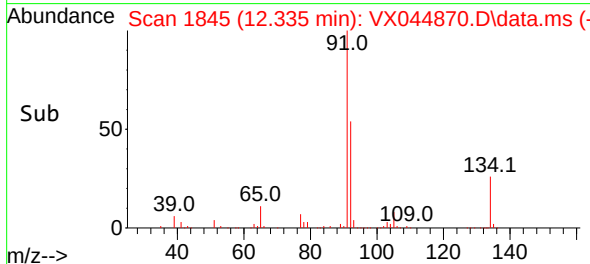
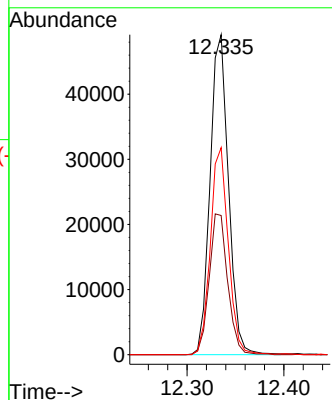
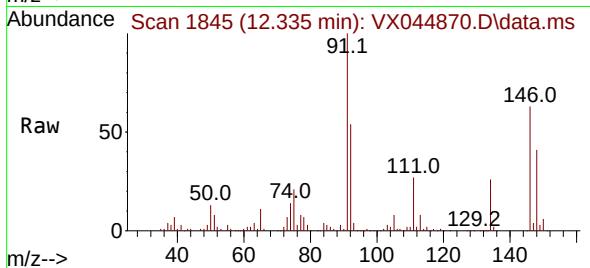




#91
1,2-Dichlorobenzene
Concen: 21.373 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

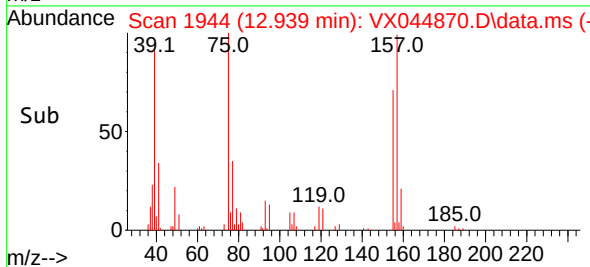
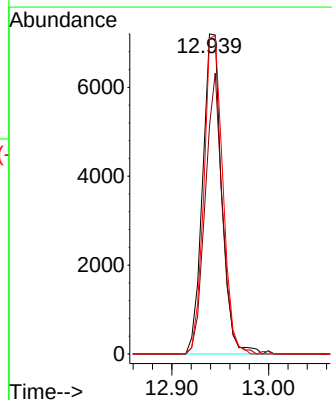
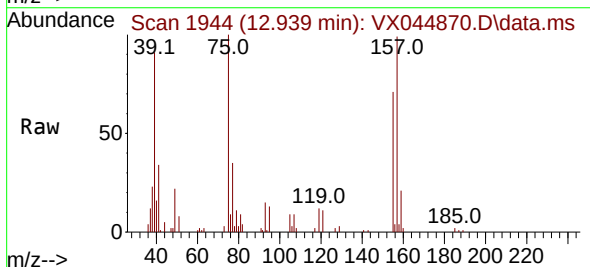
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

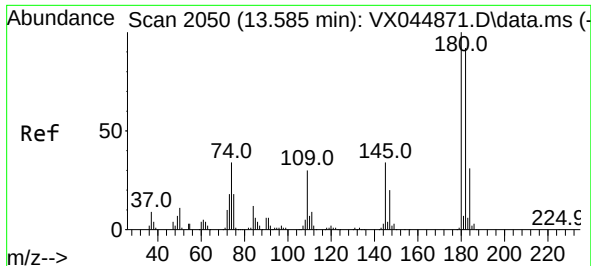
Tgt Ion:146 Resp: 64940
Ion Ratio Lower Upper
146 100
111 44.4 21.8 65.4
148 63.3 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 21.230 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion: 75 Resp: 9873
Ion Ratio Lower Upper
75 100
155 79.8 40.5 121.4
157 98.3 51.4 154.3

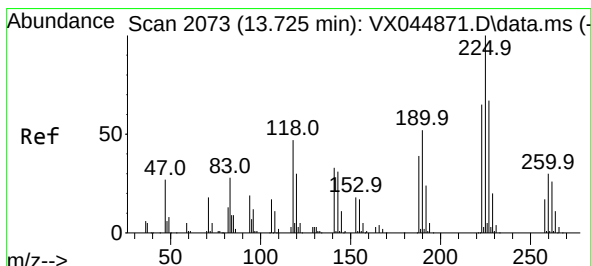
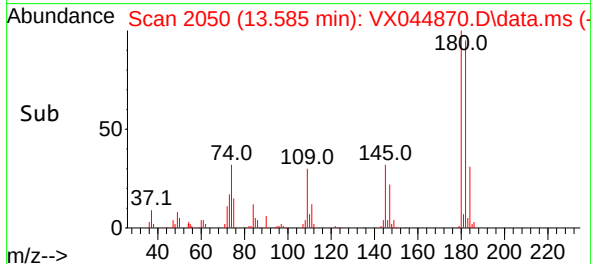
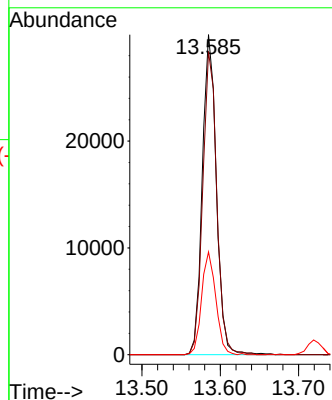
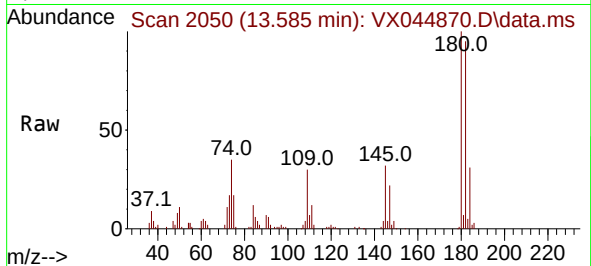




#93
1,2,4-Trichlorobenzene
Concen: 20.292 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

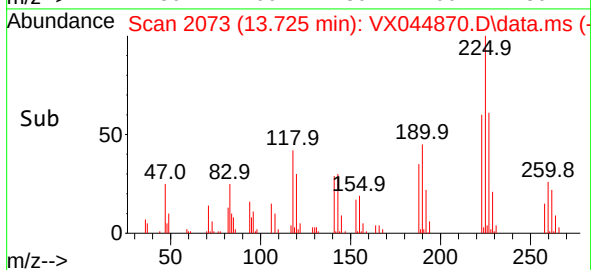
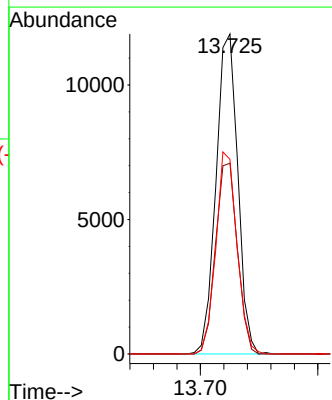
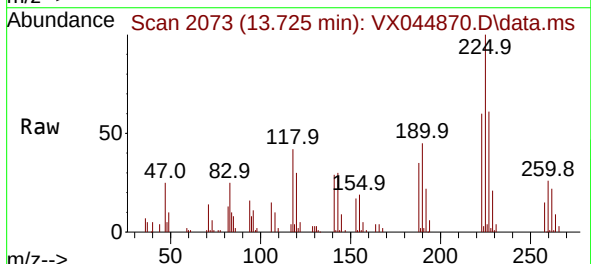
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

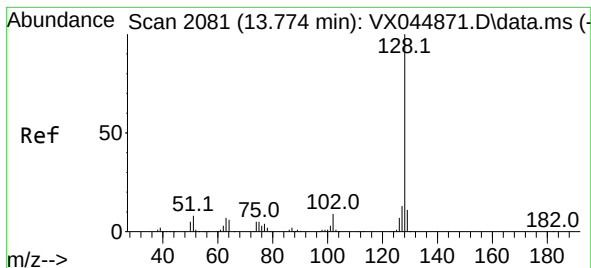
Tgt Ion:180 Resp: 37308
Ion Ratio Lower Upper
180 100
182 94.4 47.6 142.8
145 32.4 16.4 49.1



#94
Hexachlorobutadiene
Concen: 20.979 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044870.D
Acq: 10 Feb 2025 11:11

Tgt Ion:225 Resp: 15312
Ion Ratio Lower Upper
225 100
223 59.9 31.4 94.2
227 61.4 32.3 96.8





#95

Naphthalene

Concen: 21.502 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

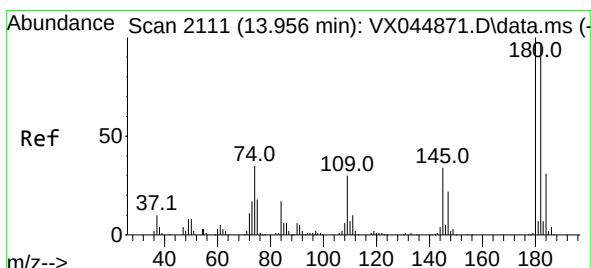
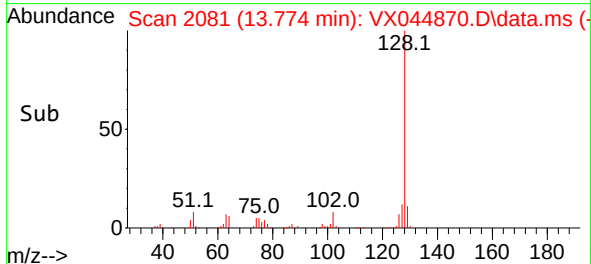
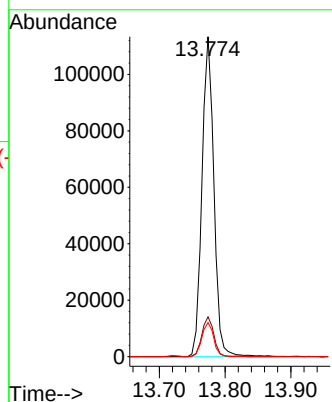
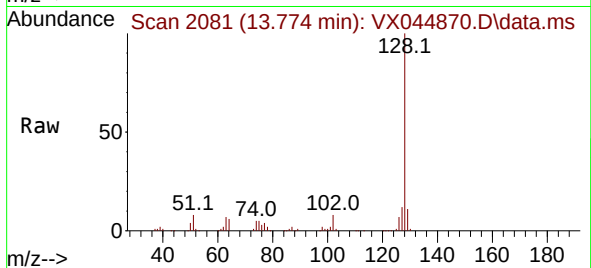
Tgt Ion:128 Resp: 142902

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

129 10.6 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 20.722 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX044870.D

Acq: 10 Feb 2025 11:11

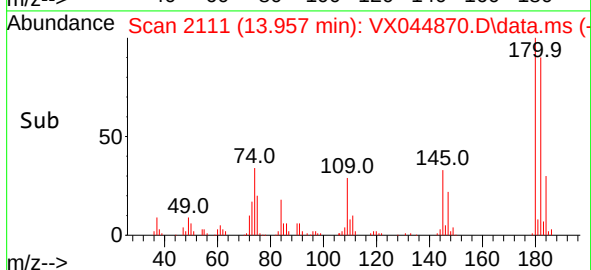
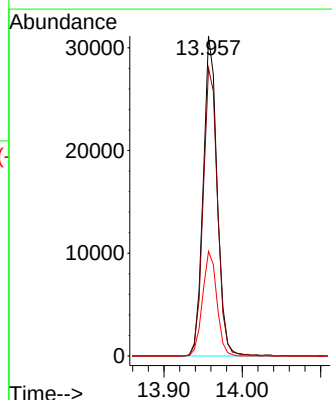
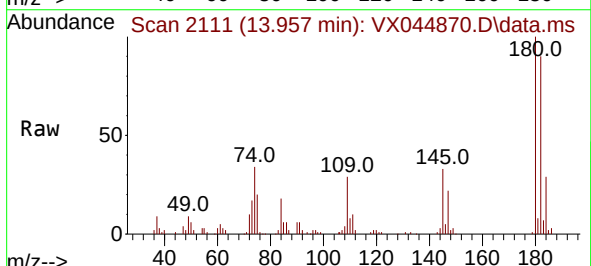
Tgt Ion:180 Resp: 38389

Ion Ratio Lower Upper

180 100

182 93.2 47.9 143.6

145 33.5 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX021025\
 Data File : VX044871.D
 Acq On : 10 Feb 2025 11:34
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Feb 11 02:01:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	127984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	233736	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	204751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	92648	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	92593	49.424	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.840%
35) Dibromofluoromethane	5.379	113	74906	49.291	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.580%
50) Toluene-d8	8.646	98	289575	50.392	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.780%
62) 4-Bromofluorobenzene	11.079	95	100798	52.031	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.060%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	89581	49.905	ug/l	100
3) Chloromethane	1.300	50	107836	49.359	ug/l	100
4) Vinyl Chloride	1.373	62	103354	48.832	ug/l	100
5) Bromomethane	1.593	94	31886	50.345	ug/l	100
6) Chloroethane	1.666	64	43657	55.583	ug/l	100
7) Trichlorofluoromethane	1.873	101	131729	49.215	ug/l	100
8) Diethyl Ether	2.129	74	48023	49.473	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.318	101	80068	49.511	ug/l	100
10) Methyl Iodide	2.446	142	108383	51.712	ug/l	100
11) Tert butyl alcohol	2.983	59	87254	251.049	ug/l	100
12) 1,1-Dichloroethene	2.312	96	80672	48.904	ug/l	100
13) Acrolein	2.233	56	90518	252.426	ug/l	100
14) Allyl chloride	2.660	41	148044	49.658	ug/l	100
15) Acrylonitrile	3.062	53	242268	261.074	ug/l	100
16) Acetone	2.379	43	187739	249.274	ug/l	100
17) Carbon Disulfide	2.501	76	225511	49.853	ug/l	100
18) Methyl Acetate	2.702	43	121039	50.928	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	261852	49.890	ug/l	100
20) Methylene Chloride	2.782	84	90038	48.808	ug/l	100
21) trans-1,2-Dichloroethene	3.086	96	81950	50.475	ug/l	100
22) Diisopropyl ether	3.757	45	287347	50.946	ug/l	100
23) Vinyl Acetate	3.714	43	1190152	258.830	ug/l	100
24) 1,1-Dichloroethane	3.605	63	157003	49.749	ug/l	100
25) 2-Butanone	4.556	43	323510	264.528	ug/l	100
26) 2,2-Dichloropropane	4.470	77	121901	48.707	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	96965	49.721	ug/l	100
28) Bromochloromethane	4.891	49	74707	49.258	ug/l	100
29) Tetrahydrofuran	5.001	42	210414	259.105	ug/l	100
30) Chloroform	5.086	83	149581	48.874	ug/l	100
31) Cyclohexane	5.464	56	143500	49.322	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	128561	49.523	ug/l	100
36) 1,1-Dichloropropene	5.690	75	108206	49.353	ug/l	100
37) Ethyl Acetate	4.708	43	123238	50.535	ug/l	100
38) Carbon Tetrachloride	5.671	117	105873	49.277	ug/l	100
39) Methylcyclohexane	7.372	83	145338	51.274	ug/l	100
40) Benzene	6.031	78	343557	50.182	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044871.D
 Acq On : 10 Feb 2025 11:34
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Feb 11 02:01:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	70572	54.065	ug/l	100
42) 1,2-Dichloroethane	6.080	62	110347	50.573	ug/l	100
43) Isopropyl Acetate	6.336	43	204703	51.981	ug/l	100
44) Trichloroethene	7.122	130	78274	50.020	ug/l	100
45) 1,2-Dichloropropane	7.427	63	85733	50.335	ug/l	100
46) Dibromomethane	7.573	93	59625	50.479	ug/l	100
47) Bromodichloromethane	7.817	83	116892	51.108	ug/l	100
48) Methyl methacrylate	7.689	41	98519	53.057	ug/l	100
49) 1,4-Dioxane	7.659	88	42094	1056.618	ug/l	100
51) 4-Methyl-2-Pentanone	8.573	43	647283	270.364	ug/l	100
52) Toluene	8.714	92	210007	51.507	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	120125	51.902	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	134763	52.223	ug/l	100
55) 1,1,2-Trichloroethane	9.146	97	79741	50.876	ug/l	100
56) Ethyl methacrylate	9.116	69	134975	53.319	ug/l	100
57) 1,3-Dichloropropane	9.305	76	141335	51.537	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	336412	270.652	ug/l	100
59) 2-Hexanone	9.427	43	472301	273.800	ug/l	100
60) Dibromochloromethane	9.518	129	87240	52.045	ug/l	100
61) 1,2-Dibromoethane	9.604	107	81915	51.564	ug/l	100
64) Tetrachloroethene	9.268	164	63537	49.206	ug/l	100
65) Chlorobenzene	10.079	112	224306	51.005	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	72478	51.203	ug/l	100
67) Ethyl Benzene	10.189	91	396269	51.061	ug/l	100
68) m/p-Xylenes	10.299	106	296507	103.573	ug/l	100
69) o-Xylene	10.640	106	144802	50.409	ug/l	100
70) Styrene	10.652	104	245518	53.051	ug/l	100
71) Bromoform	10.799	173	57417	54.352	ug/l #	100
73) Isopropylbenzene	10.957	105	374776	50.239	ug/l	100
74) N-amyl acetate	10.841	43	176174	52.189	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	126542	49.364	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	136881	66.637	ug/l	83
77) Bromobenzene	11.195	156	84448	49.931	ug/l	100
78) n-propylbenzene	11.298	91	437572	50.818	ug/l	100
79) 2-Chlorotoluene	11.359	91	263269	49.749	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	307465	50.789	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	40487	50.701	ug/l	100
82) 4-Chlorotoluene	11.451	91	295844	50.531	ug/l	100
83) tert-Butylbenzene	11.713	119	306830	50.102	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	311205	52.085	ug/l	100
85) sec-Butylbenzene	11.890	105	384155	50.657	ug/l	100
86) p-Isopropyltoluene	12.006	119	315226	51.689	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	155575	50.021	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	156162	49.657	ug/l	100
89) n-Butylbenzene	12.329	91	287649	53.315	ug/l	100
90) Hexachloroethane	12.536	117	56951	49.874	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	154364	50.500	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	23924	51.135	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	93863	50.747	ug/l	100
94) Hexachlorobutadiene	13.725	225	35481	48.321	ug/l	100
95) Naphthalene	13.774	128	347645	51.995	ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	95510	51.245	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044871.D
Acq On : 10 Feb 2025 11:34
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: Feb 11 02:01:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

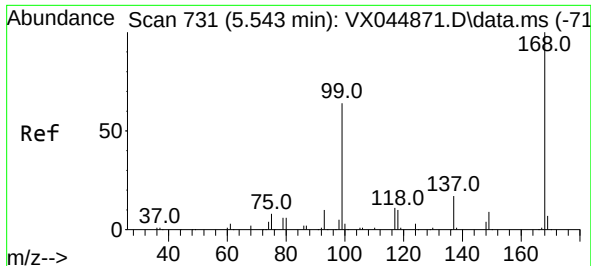
TIC: VX044871.D\data.ms

Abundance

Time-->

Labeled compounds (from left to right):

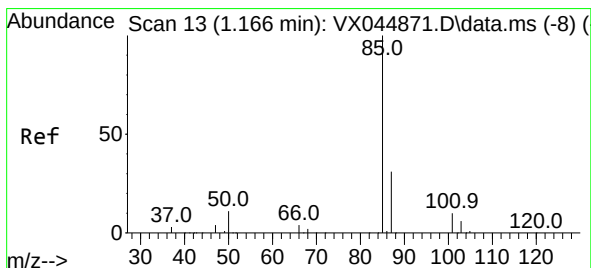
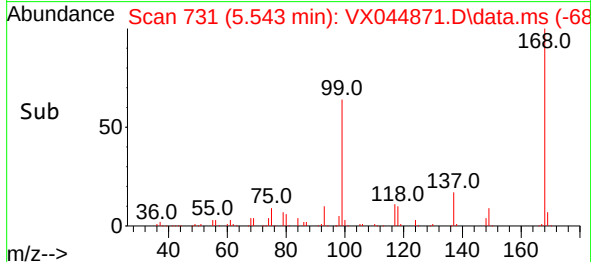
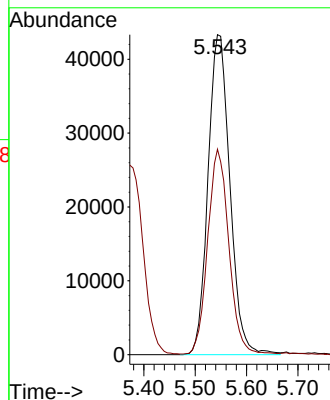
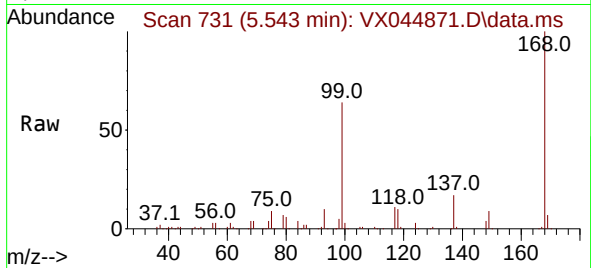
- Dichlorodifluoromethane, T
- Chloroethylchloride, C
- Chloroethane, T
- Trichlorofluoromethane, T
- Diethyl Ether, T
- Acrolein, T
- 1,1,2-Trichloroethane, T
- Methyl iodide, T
- Methyl disulfide, T
- Methyl acetate, T
- Methylene chloride, T
- Tert-butyl alcohol, T
- Methyl propyl ether, T
- Vinyl Acetate, T
- 1,1-Dichloroethane, P
- Disopropyl ether, T
- Ethyl Acetate, T
- 2-Butanone, T
- 2,2-Dichloropropane, T
- Bromochloromethane, T
- Chloroform, T
- Pentfluoroethane, T
- 1,1-Dibromoethane, T
- 1,2-Dichloroethane-d4, S
- 1,2-Dichloroethane-TM
- Isopropyl Acetate, T
- 1,4-Difluorobenzene, I
- Trichloroethene, TM
- 1,2-Dichloropropane, T
- 1,4-Dioxane, T
- Bromocyclohexane, T
- Methylcyclopentadiene, T
- Bromodichloromethane, T
- cis-1,3-Dichloropropene, T
- 2-Chloroethyl Vinyl ether, T
- 4-Methyl-2-Pentanone, T
- Ioluene-d8, CM
- t-1,3-Dichloropropene, T
- 1,3-Dichlorobenzene, T
- 1,3-Dichloropropane, T
- 1,2-Dichloroethane, T
- 1,2-Dichloroethane, T
- 1,2-Dichloroethane, T
- 1,1,1,2-Tetrachloroethane, T
- 1,1,2-Trichloroethane, T
- Ethyl Benzene, C
- m,p-Xylenes, T
- N-amyl acetate, T
- Bromofum, P
- trans-1,4-Dichlorocyclohexane, S
- Isopropylbenzene, T
- 1,2,3-Trichlorobenzene, P
- 2-Chlorotoluene, T
- propylbenzene, T
- tert-Butylbenzene, T
- sec-Butylbenzene, T
- 1,3-Dichlorobenzene, T
- 1,4-Dichlorobenzene, T
- Hexachloroethane, T
- 1,2-Dibromo-3-Chloropropane, T
- Hexachlorobutadiene, T
- 1,2,4-Trichlorobenzene, T
- Naphthalene, T
- 1,2,3-Trichlorobenzene, T



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

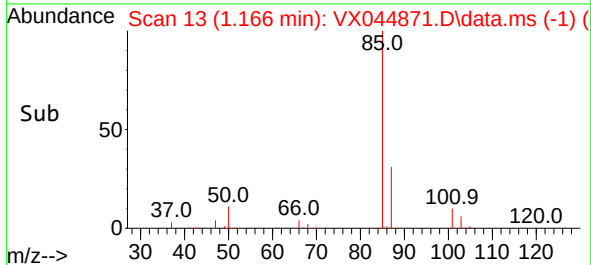
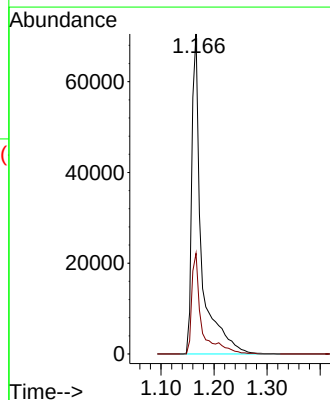
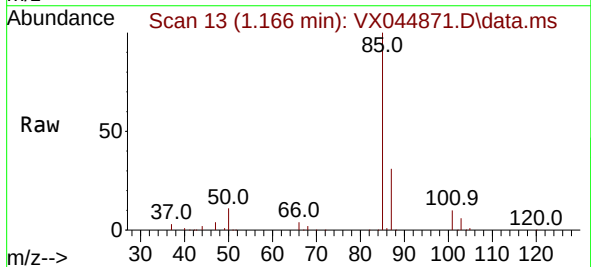
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

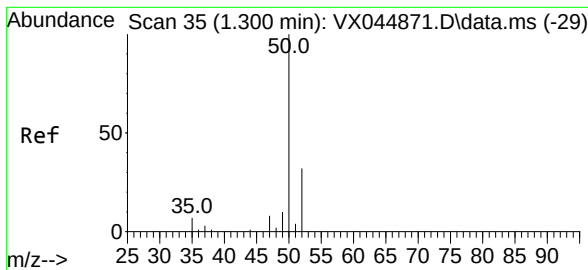
Tgt Ion:168 Resp: 127984
Ion Ratio Lower Upper
168 100
99 64.0 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 49.905 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 85 Resp: 89581
Ion Ratio Lower Upper
85 100
87 31.5 15.8 47.3

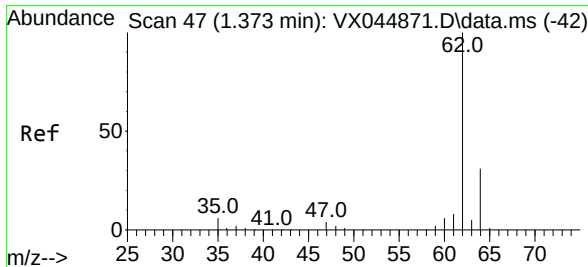
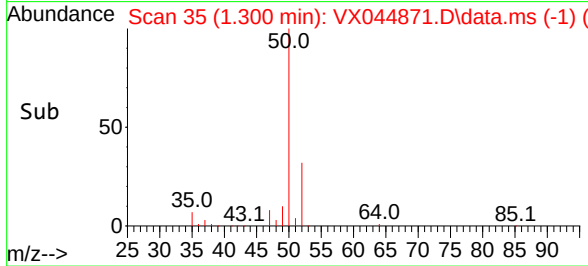
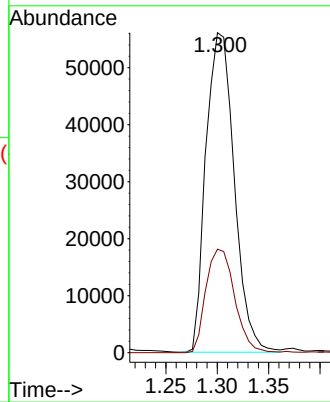
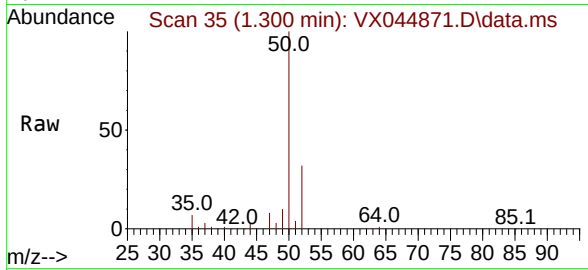




#3
Chloromethane
Concen: 49.359 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

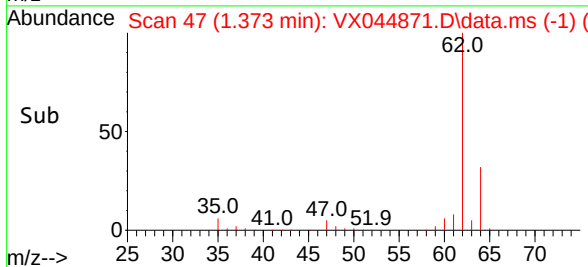
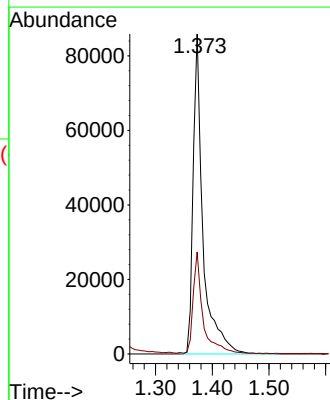
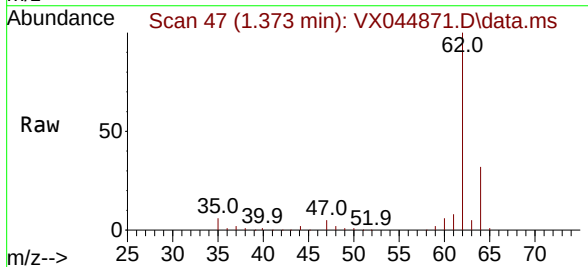
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

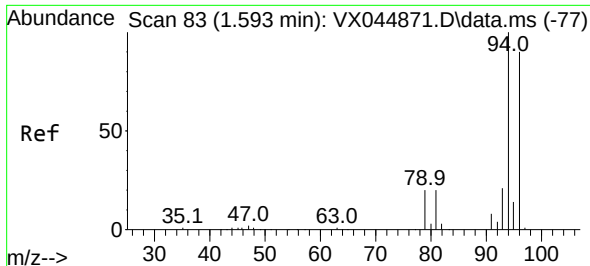
Tgt Ion: 50 Resp: 107836
Ion Ratio Lower Upper
50 100
52 32.4 25.9 38.9



#4
Vinyl Chloride
Concen: 48.832 ug/l
RT: 1.373 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 62 Resp: 103354
Ion Ratio Lower Upper
62 100
64 31.7 25.4 38.0

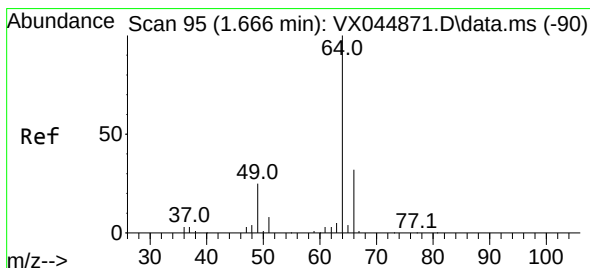
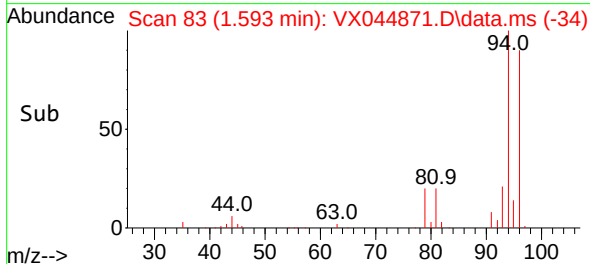
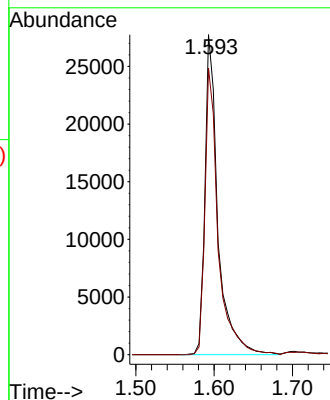
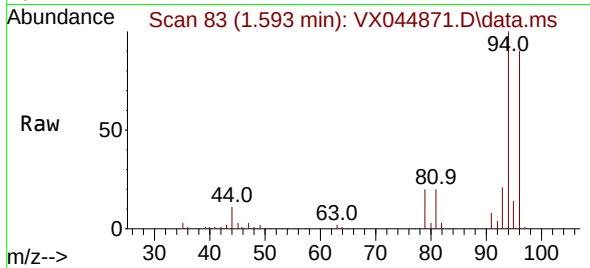




#5
Bromomethane
Concen: 50.345 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

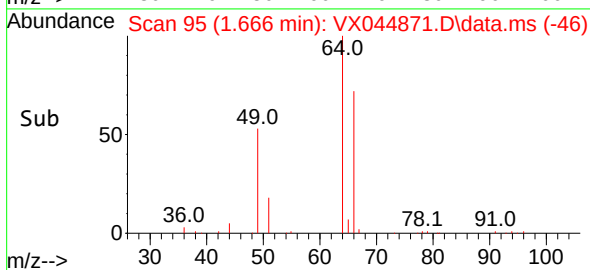
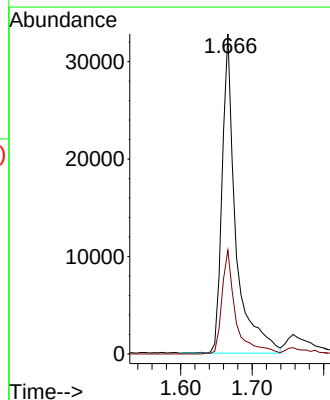
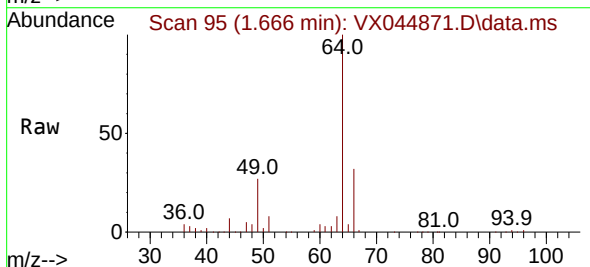
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

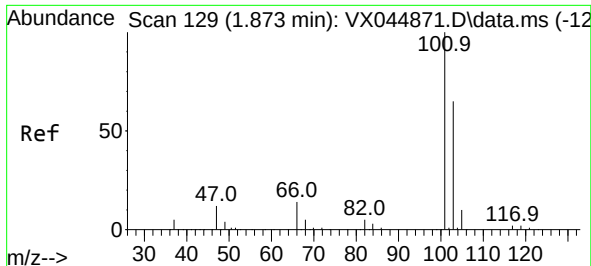
Tgt Ion: 94 Resp: 31886
Ion Ratio Lower Upper
94 100
96 89.5 71.6 107.4



#6
Chloroethane
Concen: 55.583 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 64 Resp: 43657
Ion Ratio Lower Upper
64 100
66 32.5 25.9 38.9

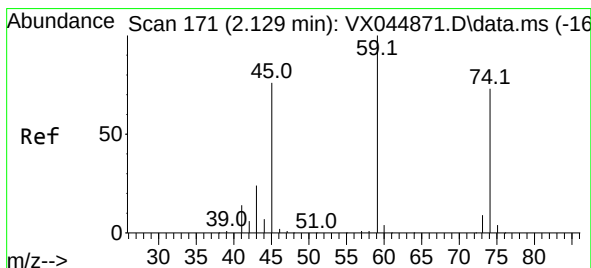
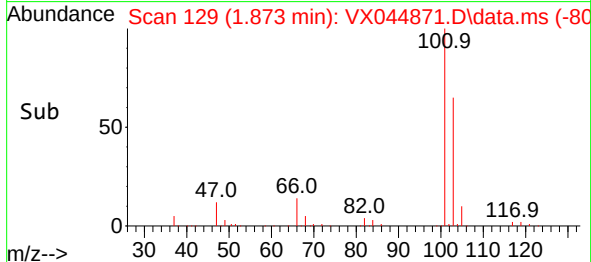
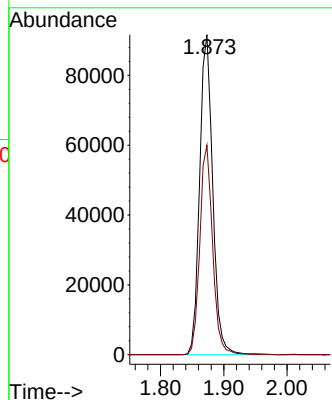
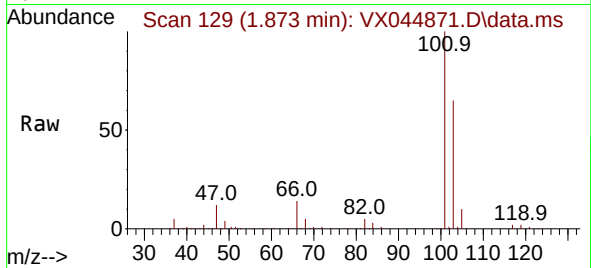




#7
Trichlorofluoromethane
Concen: 49.215 ug/l
RT: 1.873 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

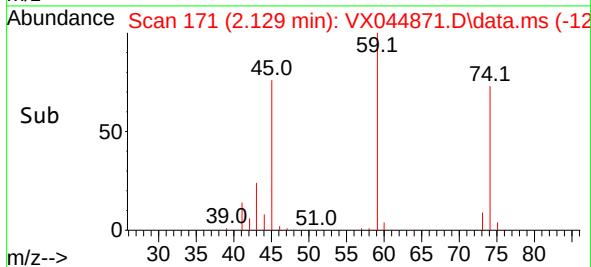
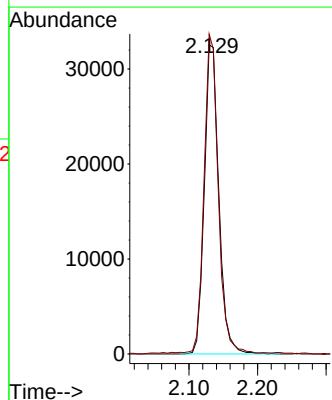
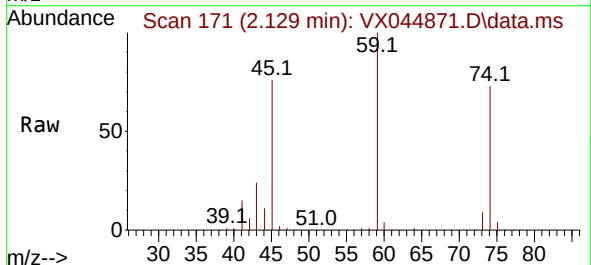
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

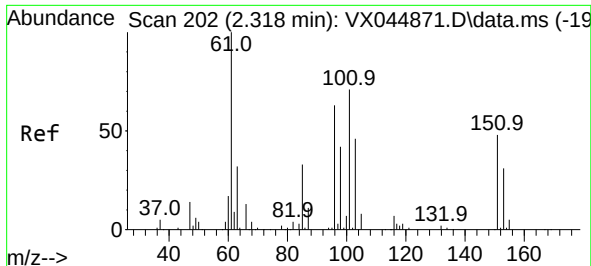
Tgt Ion:101 Resp: 131729
Ion Ratio Lower Upper
101 100
103 65.5 52.4 78.6



#8
Diethyl Ether
Concen: 49.473 ug/l
RT: 2.129 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 74 Resp: 48023
Ion Ratio Lower Upper
74 100
45 102.3 51.1 153.4

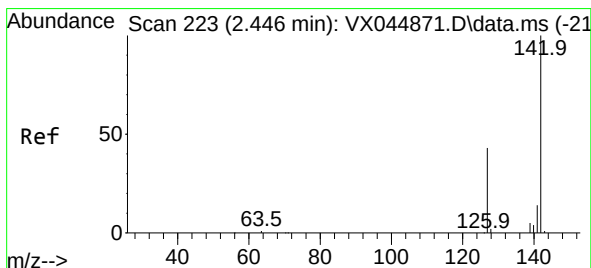
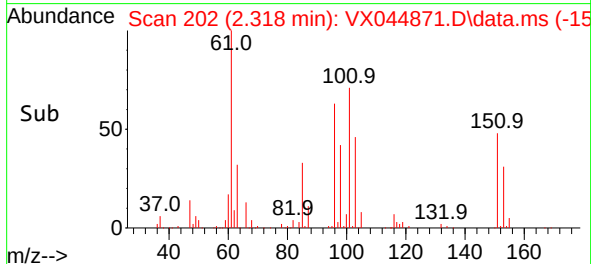
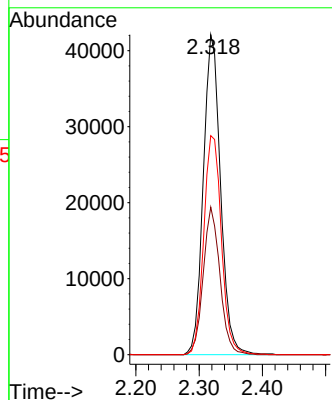
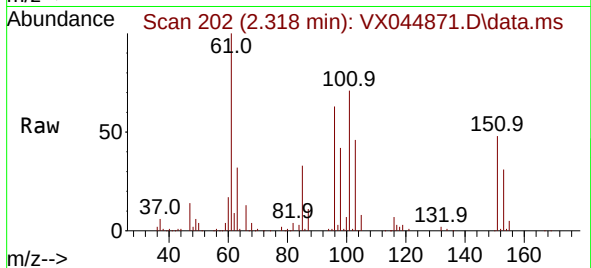




#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.511 ug/l
RT: 2.318 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

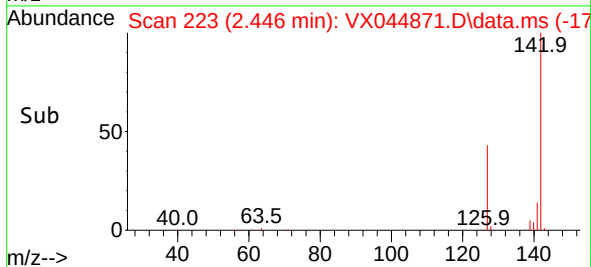
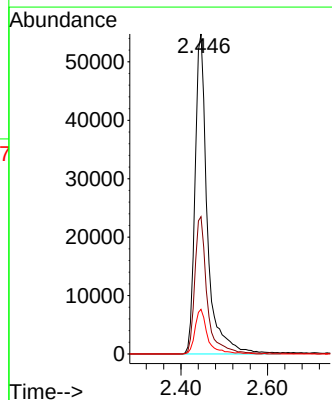
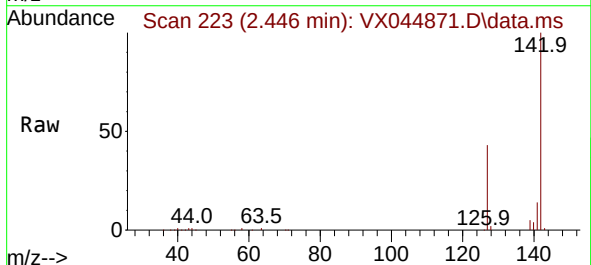
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

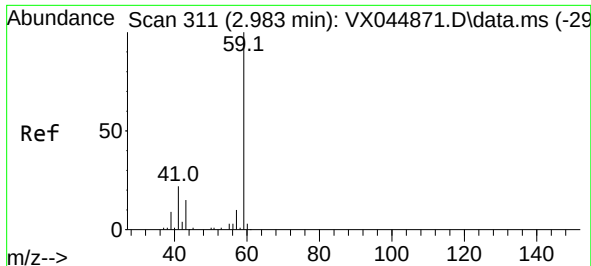
Tgt Ion:101 Resp: 80068
Ion Ratio Lower Upper
101 100
85 44.6 35.7 53.5
151 70.0 56.0 84.0



#10
Methyl Iodide
Concen: 51.712 ug/l
RT: 2.446 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:142 Resp: 108383
Ion Ratio Lower Upper
142 100
127 42.9 34.3 51.5
141 14.3 11.4 17.2

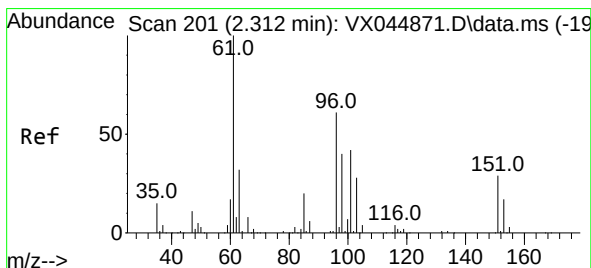
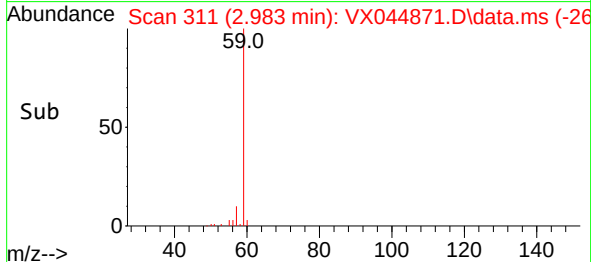
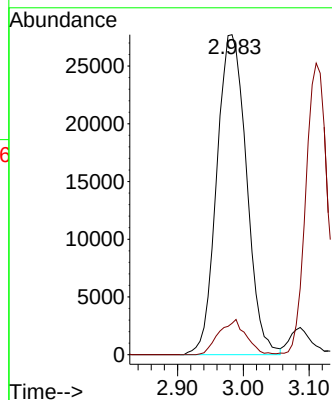
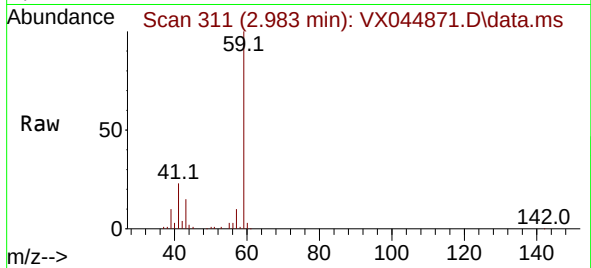




#11
Tert butyl alcohol
Concen: 251.049 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

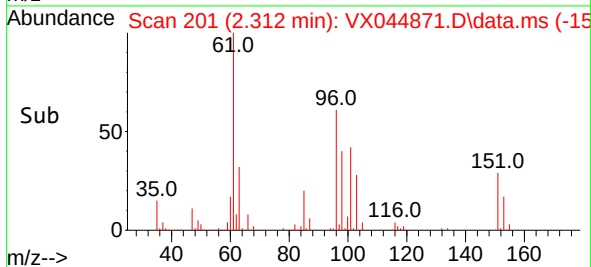
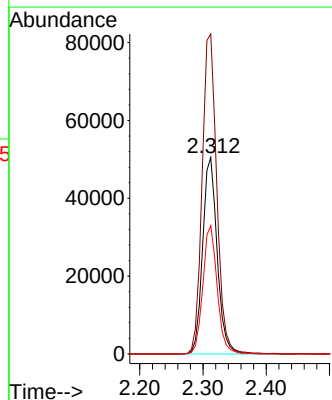
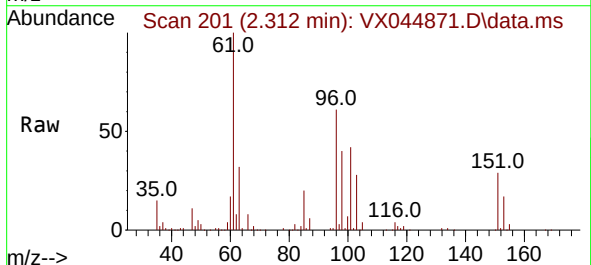
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

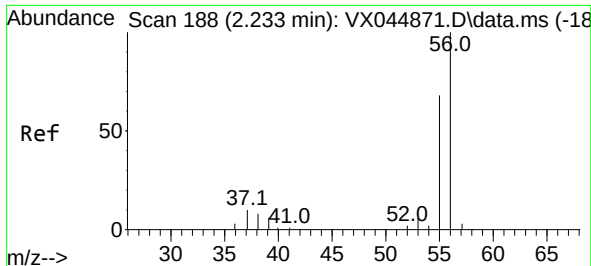
Tgt Ion: 59 Resp: 87254
Ion Ratio Lower Upper
59 100
57 10.1 8.1 12.1



#12
1,1-Dichloroethene
Concen: 48.904 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 96 Resp: 80672
Ion Ratio Lower Upper
96 100
61 162.8 130.2 195.4
98 65.3 52.2 78.4

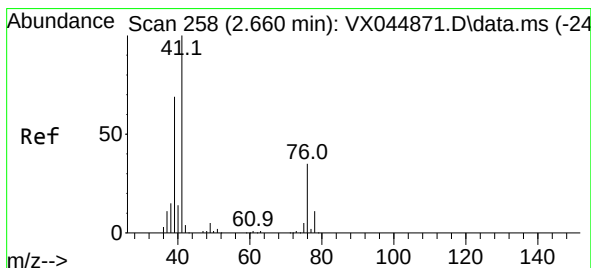
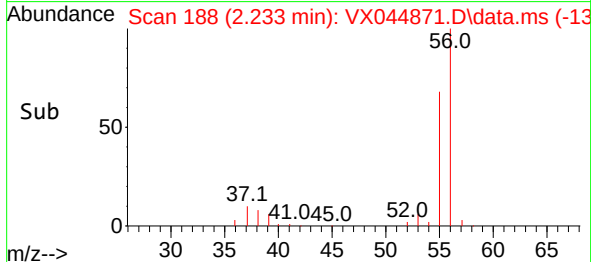
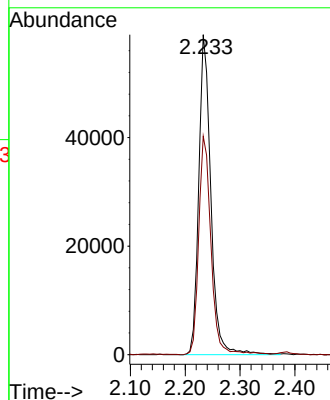
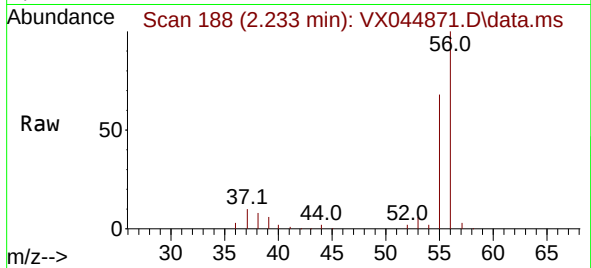




#13
Acrolein
Concen: 252.426 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

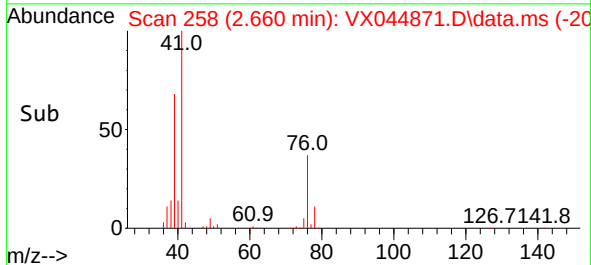
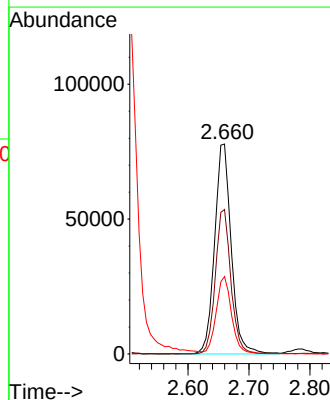
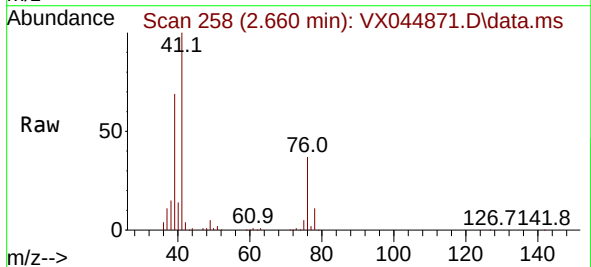
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

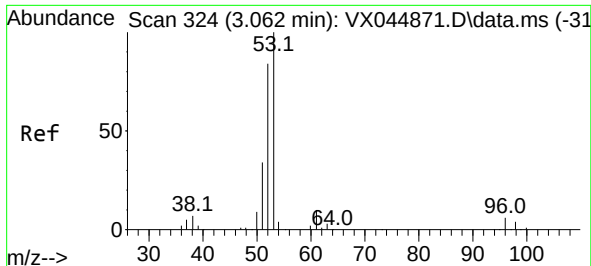
Tgt Ion: 56 Resp: 90518
Ion Ratio Lower Upper
56 100
55 69.6 55.7 83.5



#14
Allyl chloride
Concen: 49.658 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 41 Resp: 148044
Ion Ratio Lower Upper
41 100
39 64.3 51.4 77.2
76 33.7 27.0 40.4

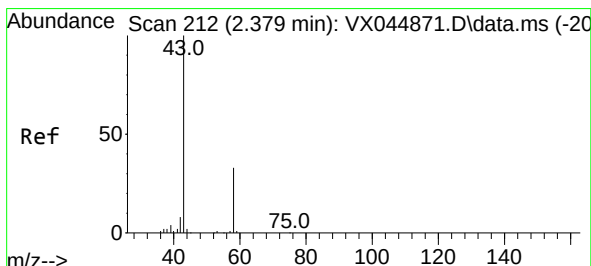
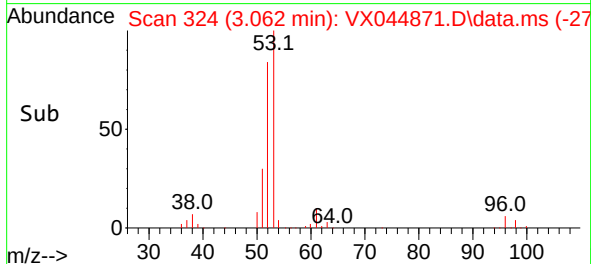
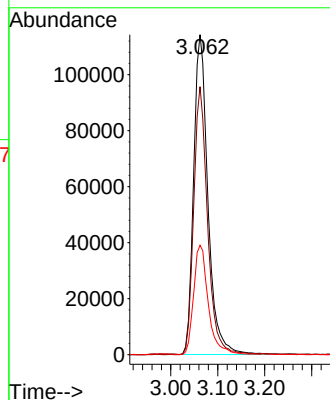
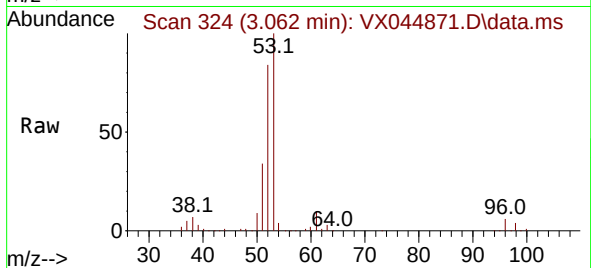




#15
Acrylonitrile
Concen: 261.074 ug/l
RT: 3.062 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

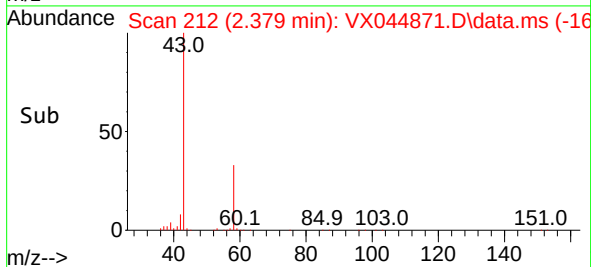
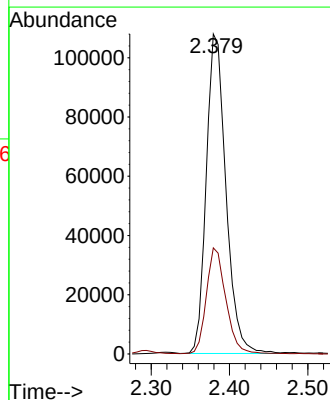
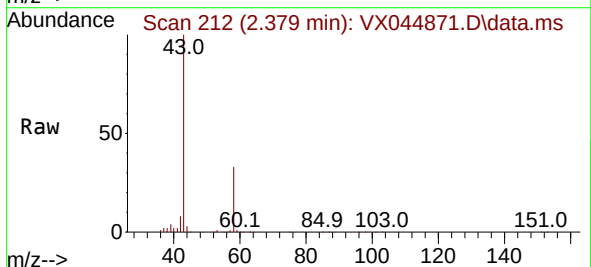
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

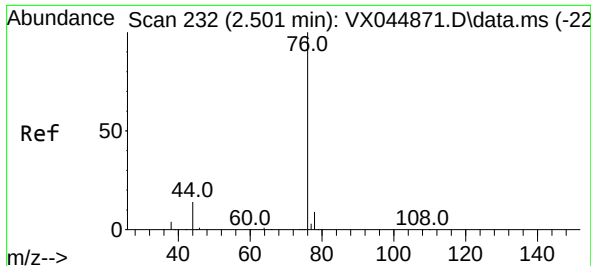
Tgt Ion: 53 Resp: 242268
Ion Ratio Lower Upper
53 100
52 81.3 65.0 97.6
51 35.0 28.0 42.0



#16
Acetone
Concen: 249.274 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 187739
Ion Ratio Lower Upper
43 100
58 33.1 26.5 39.7

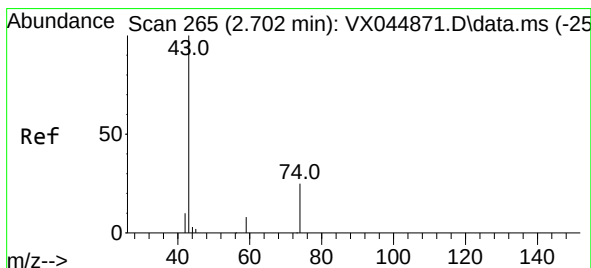
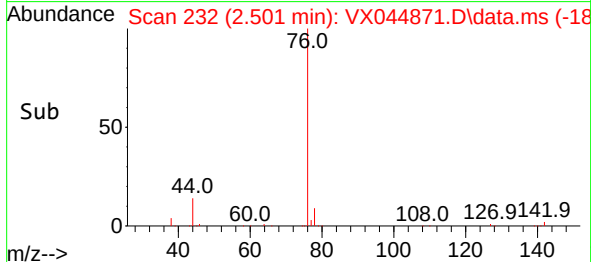
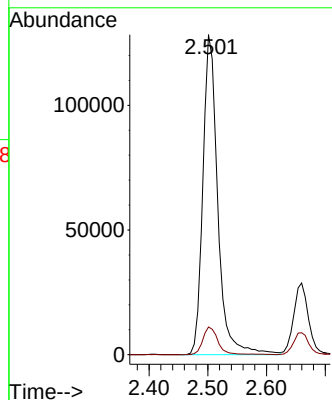
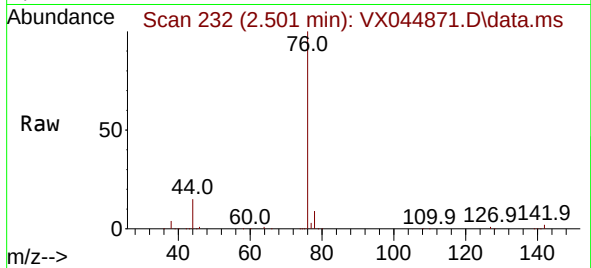




#17
Carbon Disulfide
Concen: 49.853 ug/l
RT: 2.501 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

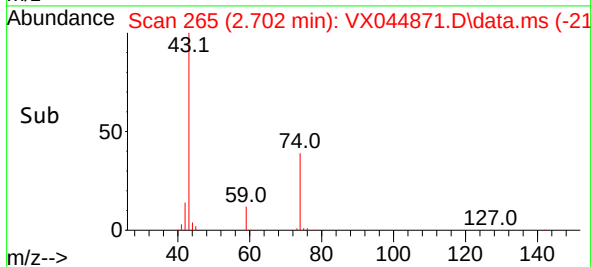
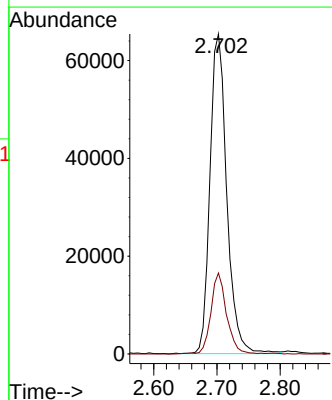
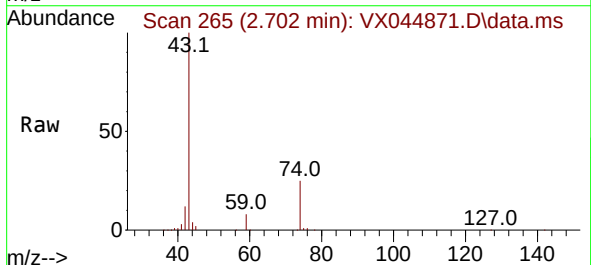
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

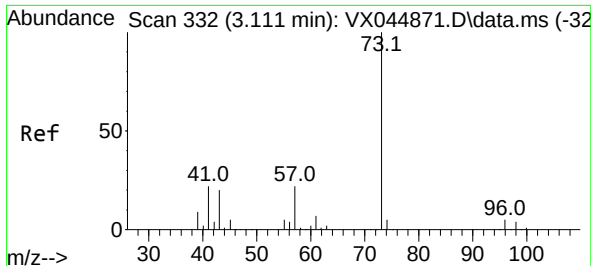
Tgt Ion: 76 Resp: 225511
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4



#18
Methyl Acetate
Concen: 50.928 ug/l
RT: 2.702 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 121039
Ion Ratio Lower Upper
43 100
74 23.6 18.9 28.3

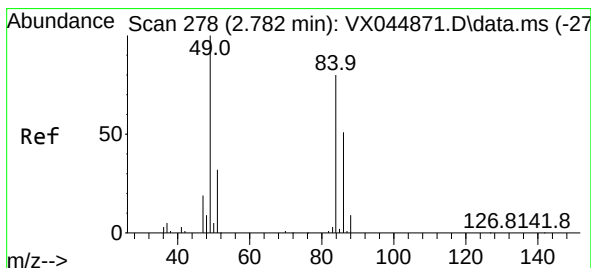
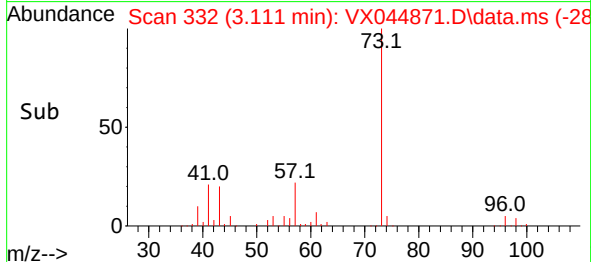
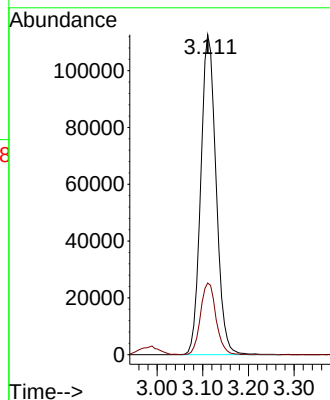
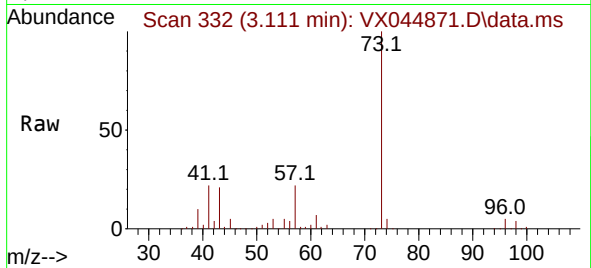




#19
Methyl tert-butyl Ether
Concen: 49.890 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

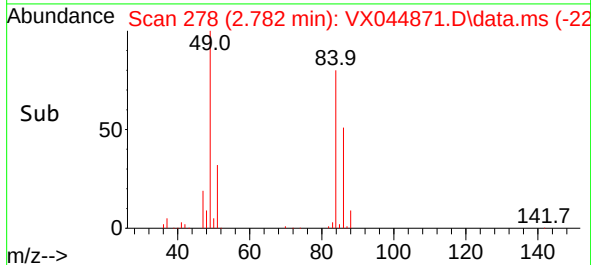
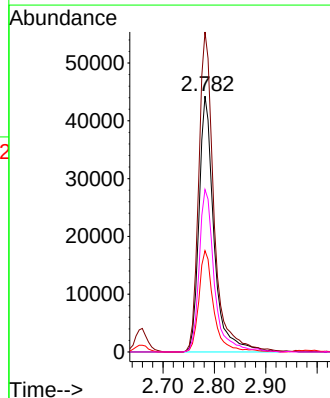
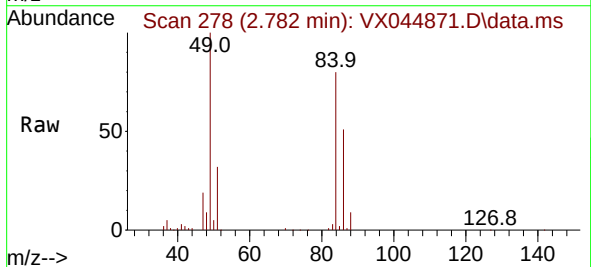
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

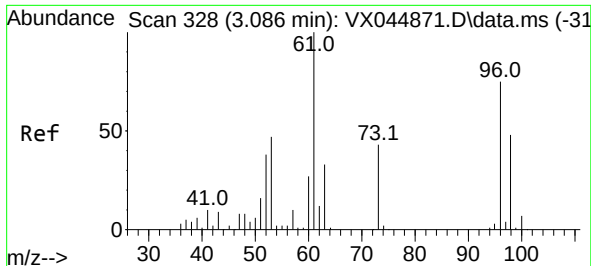
Tgt Ion: 73 Resp: 261852
Ion Ratio Lower Upper
73 100
57 22.4 17.9 26.9



#20
Methylene Chloride
Concen: 48.808 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 84 Resp: 90038
Ion Ratio Lower Upper
84 100
49 125.1 100.1 150.1
51 39.6 31.7 47.5
86 63.5 50.8 76.2

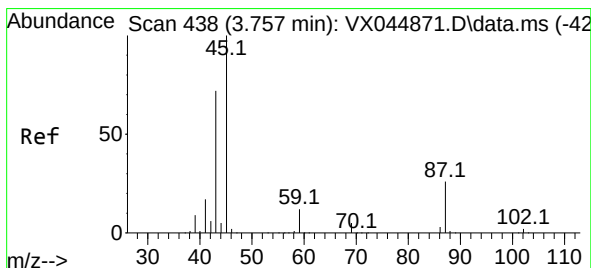
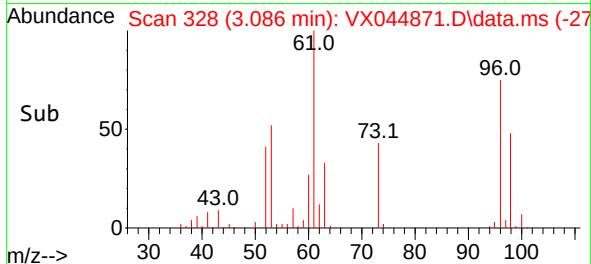
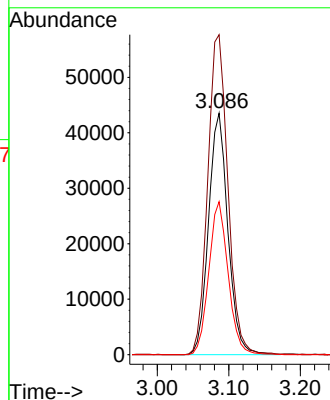
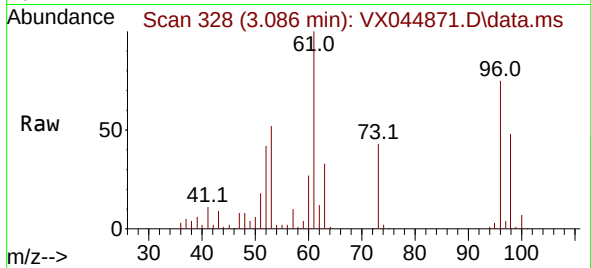




#21
trans-1,2-Dichloroethene
Concen: 50.475 ug/l
RT: 3.086 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

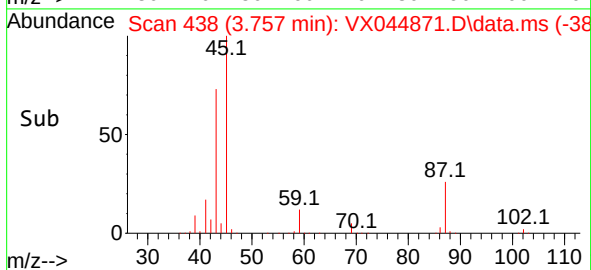
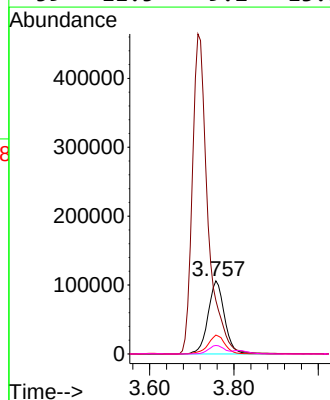
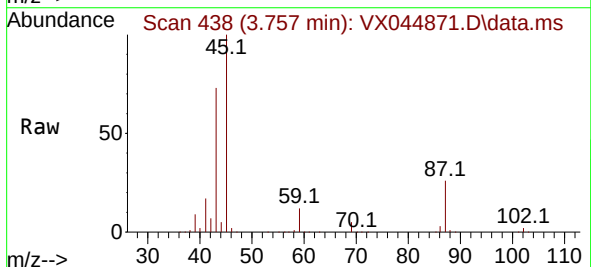
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

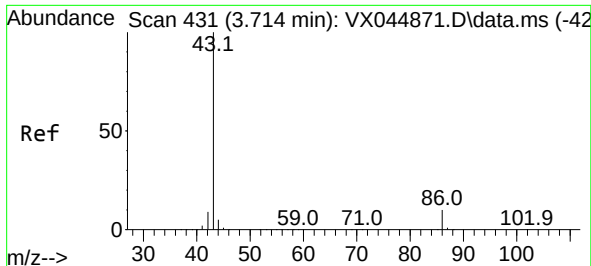
Tgt Ion: 96 Resp: 81950
Ion Ratio Lower Upper
96 100
61 132.5 106.0 159.0
98 63.3 50.6 76.0



#22
Diisopropyl ether
Concen: 50.946 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 45 Resp: 287347
Ion Ratio Lower Upper
45 100
43 72.5 58.0 87.0
87 25.9 20.7 31.1
59 11.5 9.2 13.8

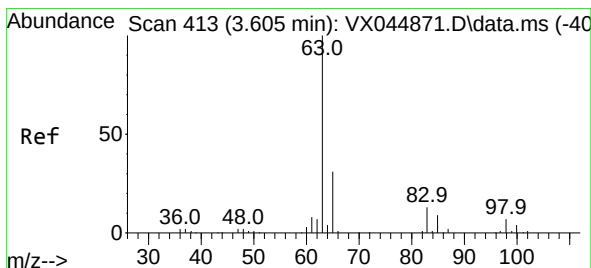
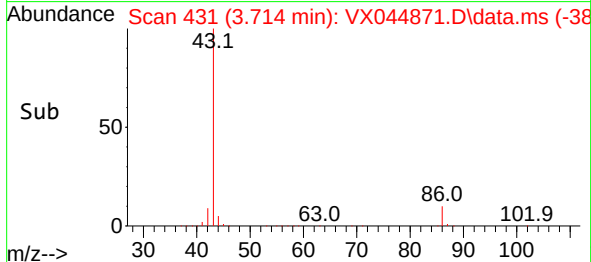
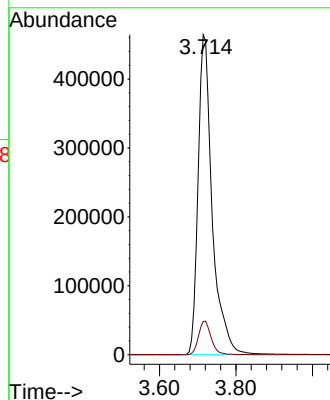
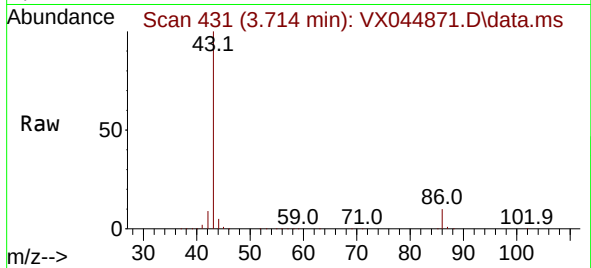




#23
 Vinyl Acetate
 Concen: 258.830 ug/l
 RT: 3.714 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX044871.D
 Acq: 10 Feb 2025 11:34

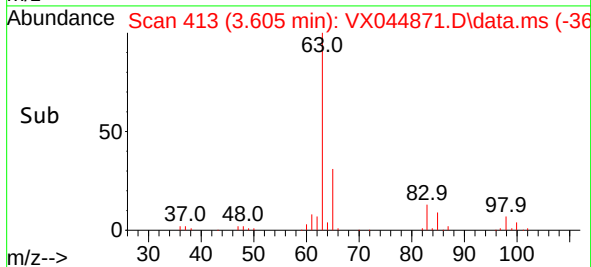
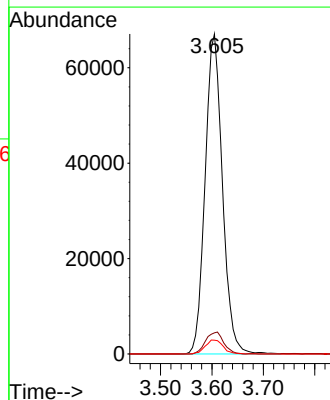
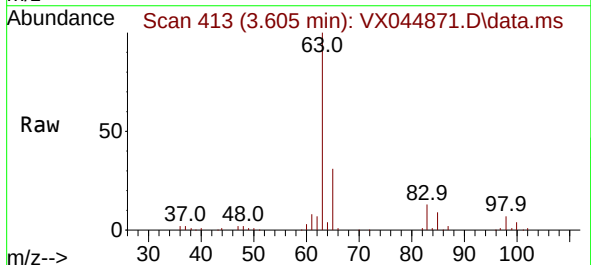
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

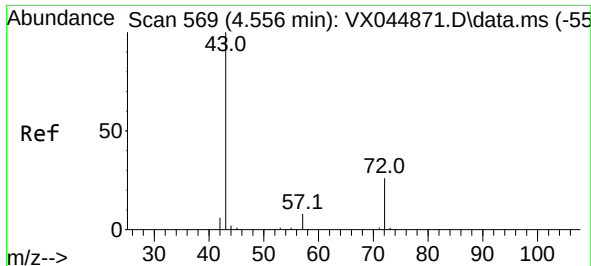
Tgt Ion: 43 Resp: 1190152
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 49.749 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX044871.D
 Acq: 10 Feb 2025 11:34

Tgt Ion: 63 Resp: 157003
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.9
 100 4.3 2.1 6.5

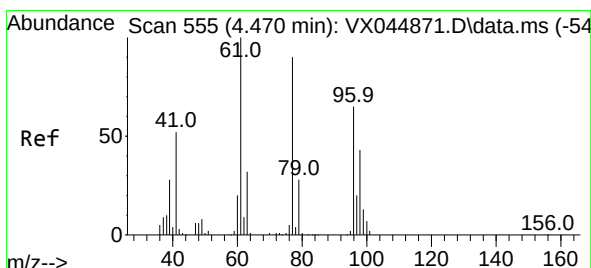
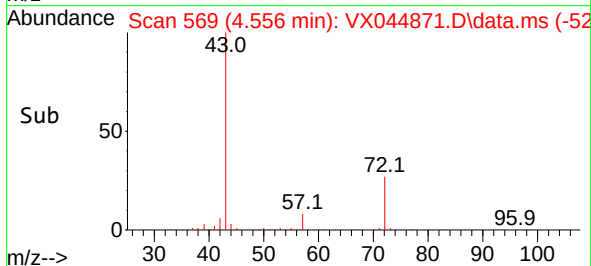
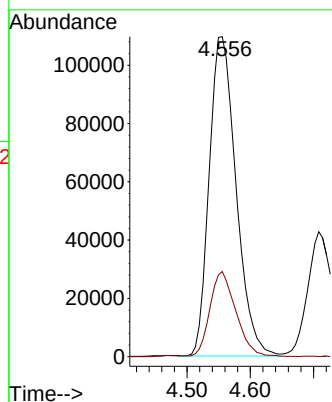
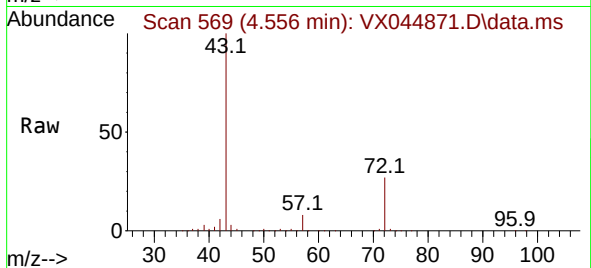




#25
2-Butanone
Concen: 264.528 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

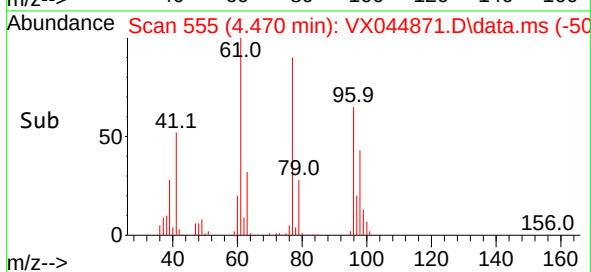
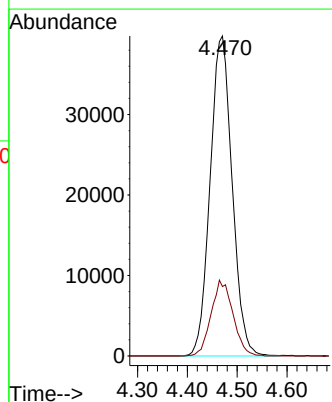
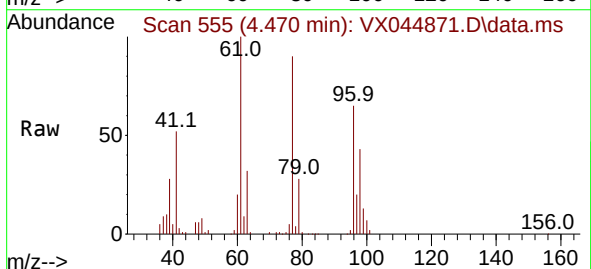
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

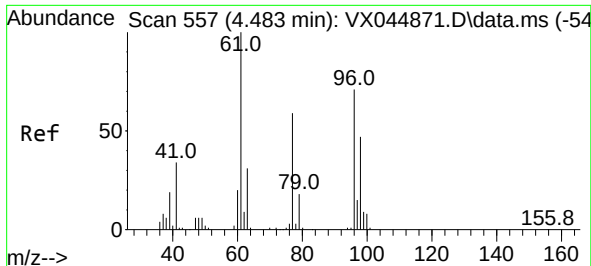
Tgt Ion: 43 Resp: 323510
Ion Ratio Lower Upper
43 100
72 26.5 21.2 31.8



#26
2,2-Dichloropropane
Concen: 48.707 ug/l
RT: 4.470 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 77 Resp: 121901
Ion Ratio Lower Upper
77 100
97 23.5 11.8 35.3

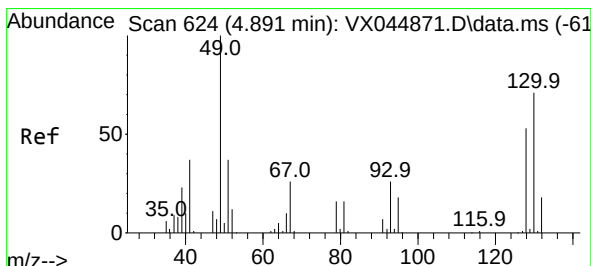
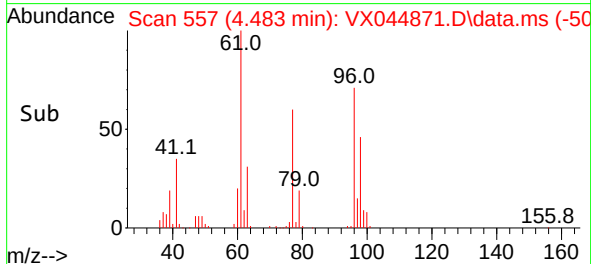
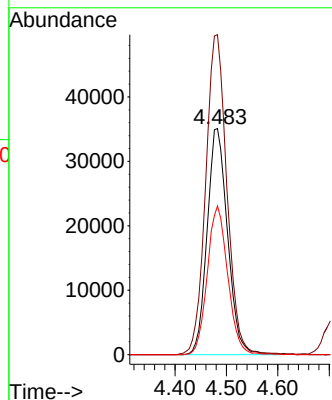
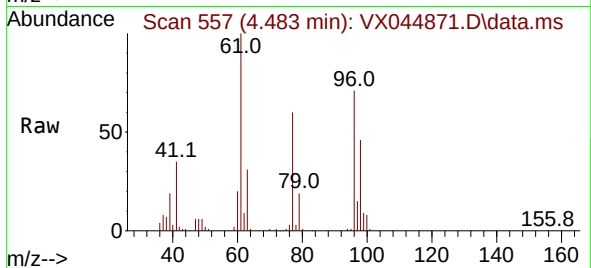




#27
 cis-1,2-Dichloroethene
 Concen: 49.721 ug/l
 RT: 4.483 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VX044871.D
 Acq: 10 Feb 2025 11:34

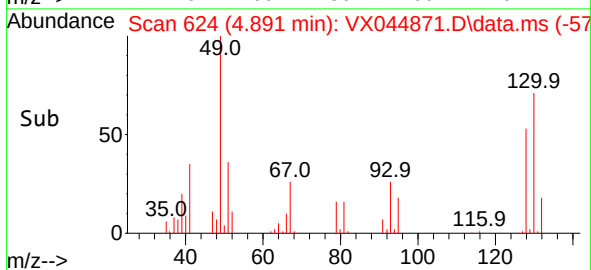
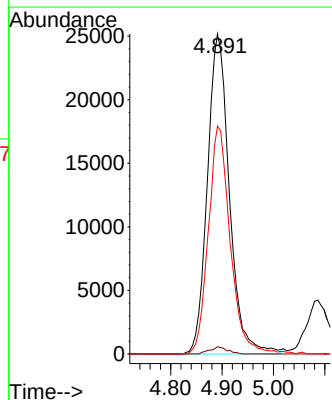
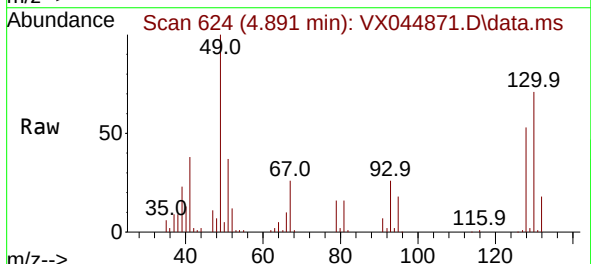
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

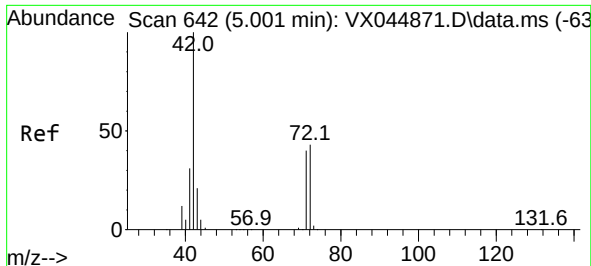
Tgt Ion: 96	Resp: 96965
Ion Ratio	Lower Upper
96 100	
61 147.0	0.0 294.0
98 65.6	0.0 131.2



#28
 Bromochloromethane
 Concen: 49.258 ug/l
 RT: 4.891 min Scan# 624
 Delta R.T. 0.000 min
 Lab File: VX044871.D
 Acq: 10 Feb 2025 11:34

Tgt Ion: 49	Resp: 74707
Ion Ratio	Lower Upper
49 100	
129 1.8	0.0 3.6
130 70.9	56.7 85.1





#29

Tetrahydrofuran

Concen: 259.105 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

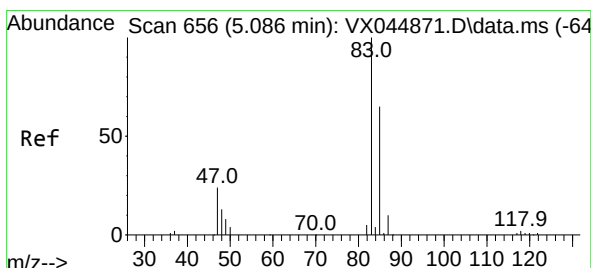
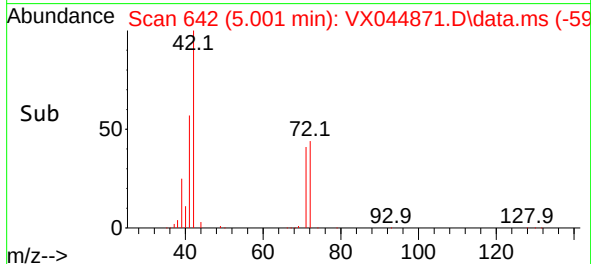
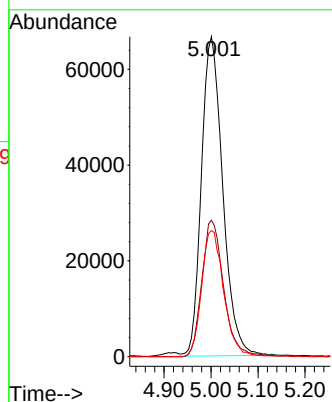
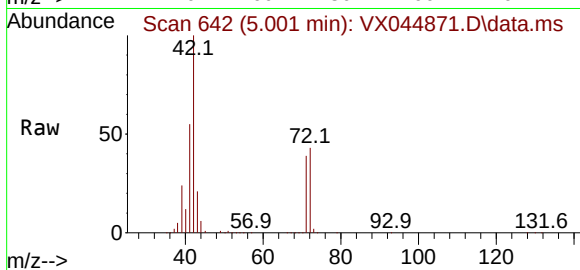
Tgt Ion: 42 Resp: 210414

Ion Ratio Lower Upper

42 100

72 43.7 35.0 52.4

71 40.7 32.6 48.8



#30

Chloroform

Concen: 48.874 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044871.D

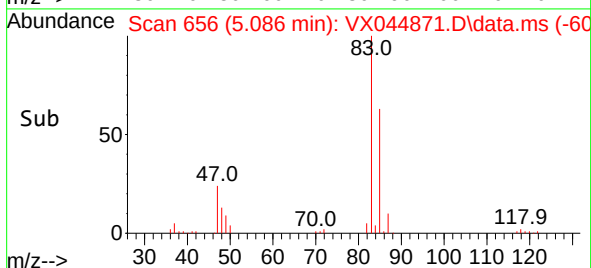
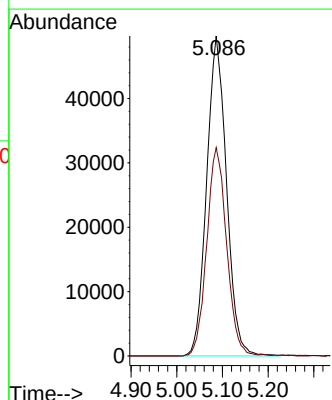
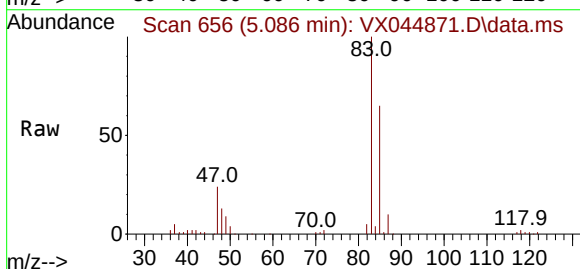
Acq: 10 Feb 2025 11:34

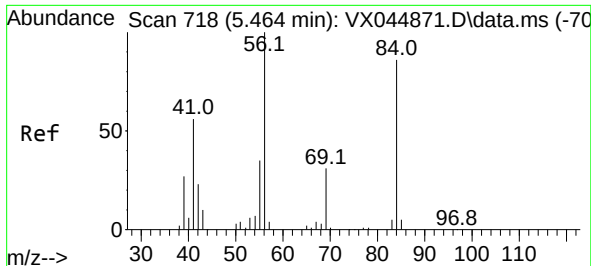
Tgt Ion: 83 Resp: 149581

Ion Ratio Lower Upper

83 100

85 65.1 52.1 78.1

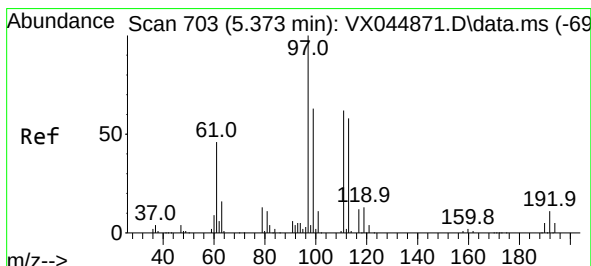
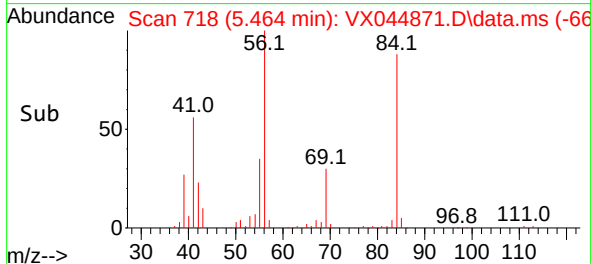
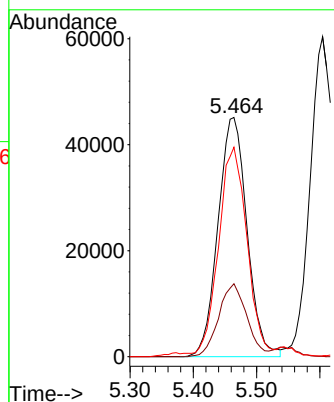
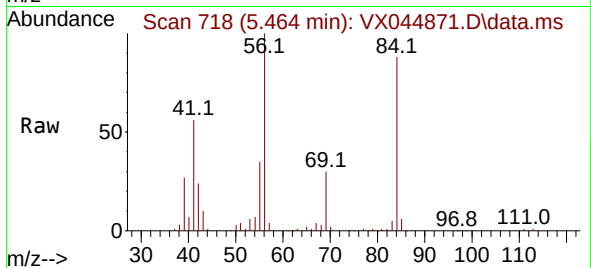




#31
Cyclohexane
Concen: 49.322 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

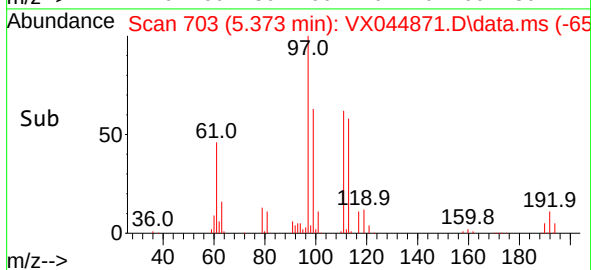
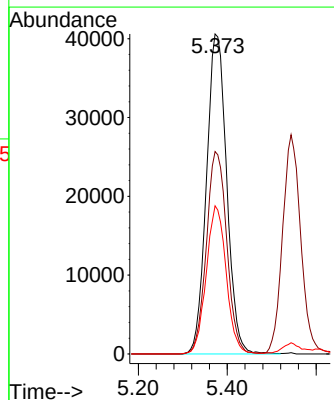
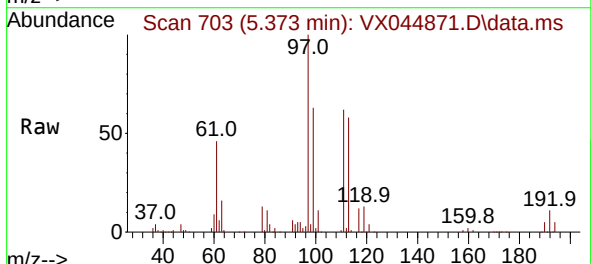
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

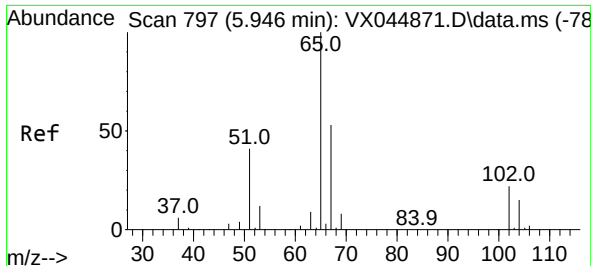
Tgt Ion: 56 Resp: 143500
Ion Ratio Lower Upper
56 100
69 30.5 24.4 36.6
84 86.3 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 49.523 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 97 Resp: 128561
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.6
61 45.8 36.6 55.0

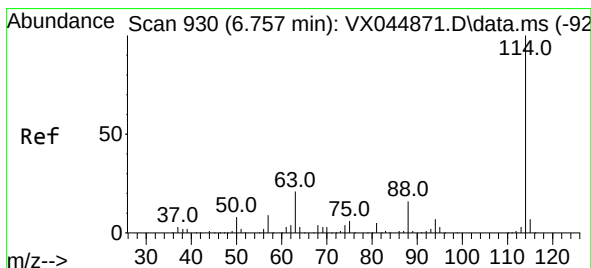
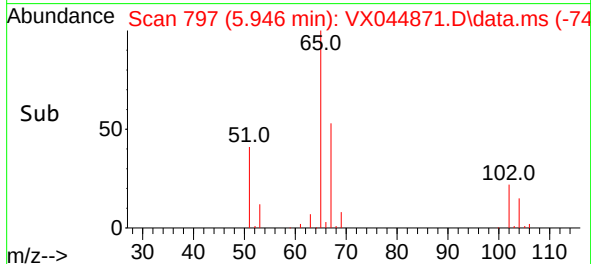
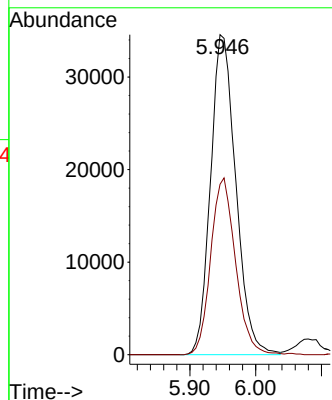
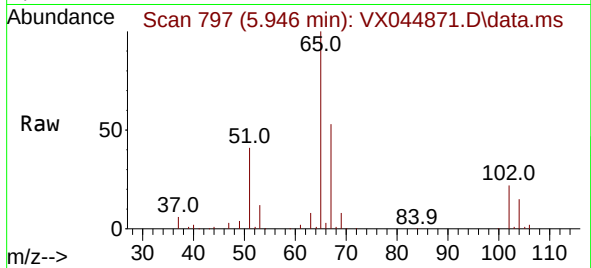




#33
 1,2-Dichloroethane-d4
 Concen: 49.424 ug/l
 RT: 5.946 min Scan# 797
 Delta R.T. 0.000 min
 Lab File: VX044871.D
 Acq: 10 Feb 2025 11:34

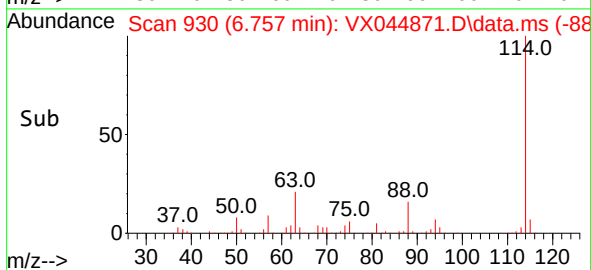
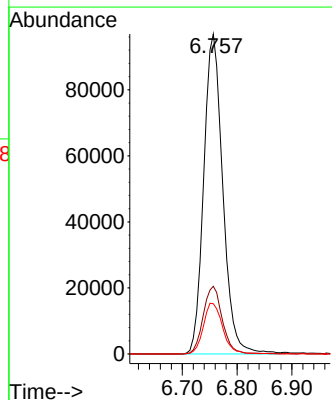
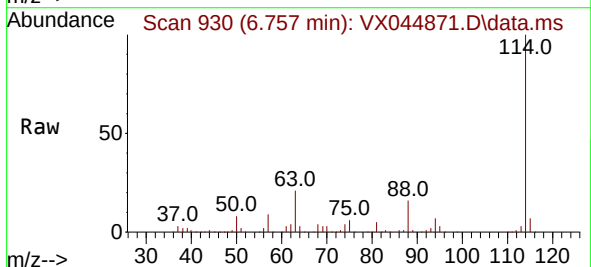
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

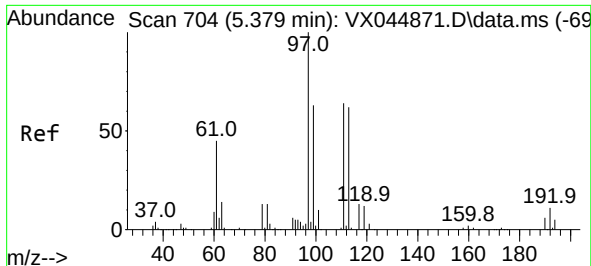
Tgt Ion: 65 Resp: 92593
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX044871.D
 Acq: 10 Feb 2025 11:34

Tgt Ion: 114 Resp: 233736
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.4
 88 15.7 0.0 31.4

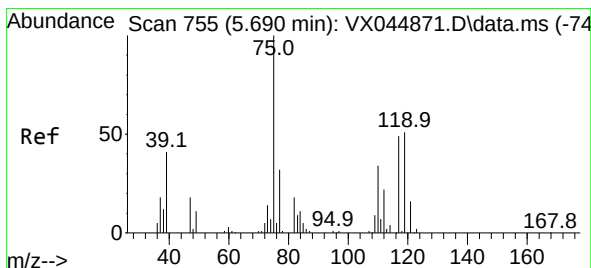
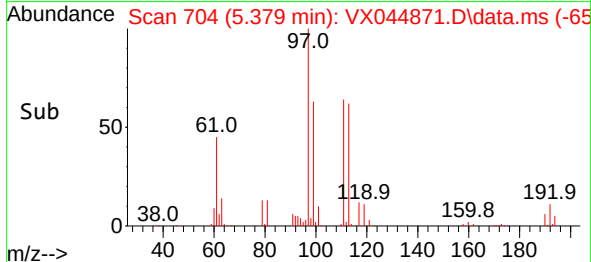
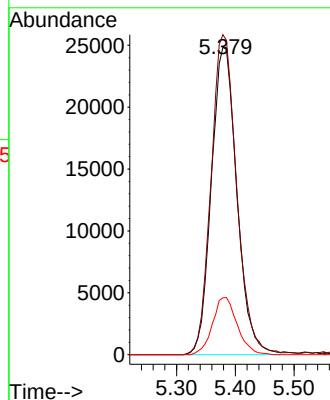
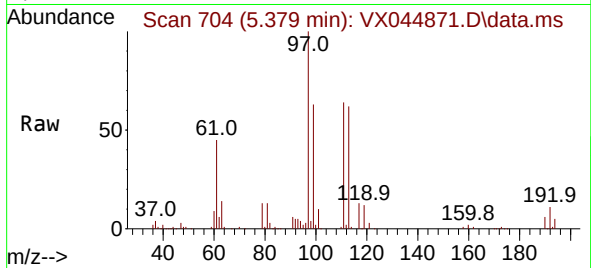




#35
 Dibromofluoromethane
 Concen: 49.291 ug/l
 RT: 5.379 min Scan# 704
 Delta R.T. 0.000 min
 Lab File: VX044871.D
 Acq: 10 Feb 2025 11:34

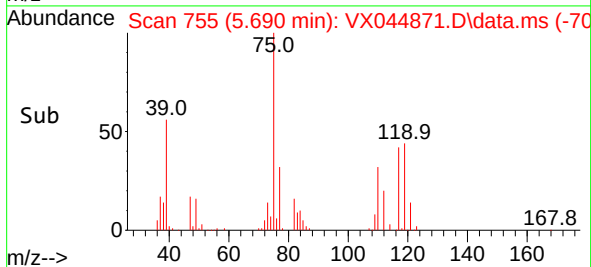
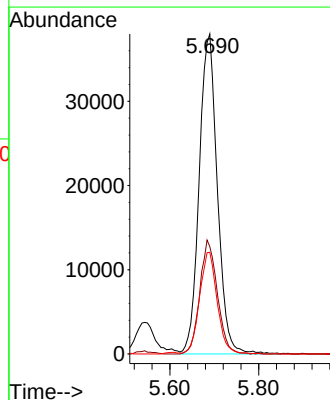
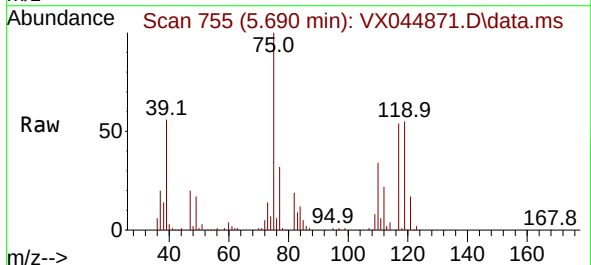
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

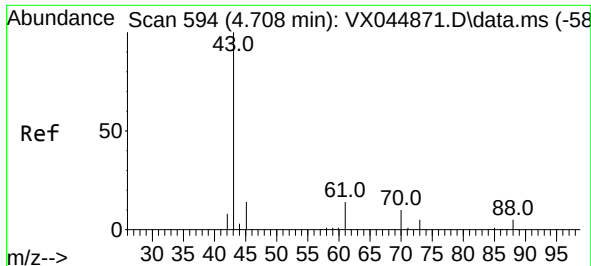
Tgt Ion:113 Resp: 74906
 Ion Ratio Lower Upper
 113 100
 111 104.4 83.5 125.3
 192 18.0 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 49.353 ug/l
 RT: 5.690 min Scan# 755
 Delta R.T. 0.000 min
 Lab File: VX044871.D
 Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 108206
 Ion Ratio Lower Upper
 75 100
 110 34.4 17.2 51.6
 77 30.8 24.6 37.0





#37

Ethyl Acetate

Concen: 50.535 ug/l

RT: 4.708 min Scan# 594

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

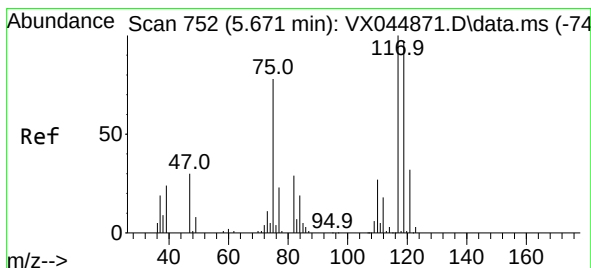
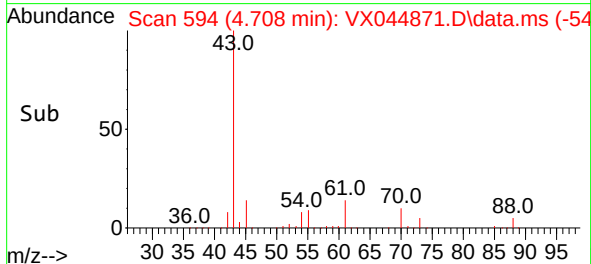
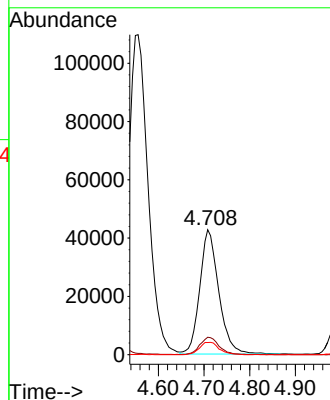
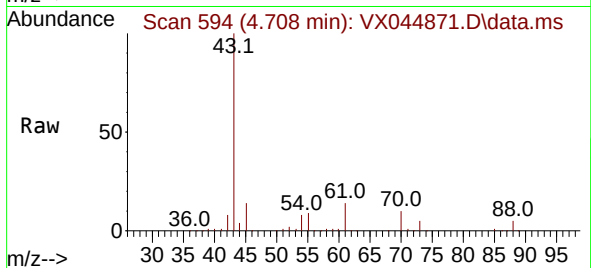
Tgt Ion: 43 Resp: 123238

Ion Ratio Lower Upper

43 100

61 13.7 11.0 16.4

70 10.2 8.2 12.2



#38

Carbon Tetrachloride

Concen: 49.277 ug/l

RT: 5.671 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

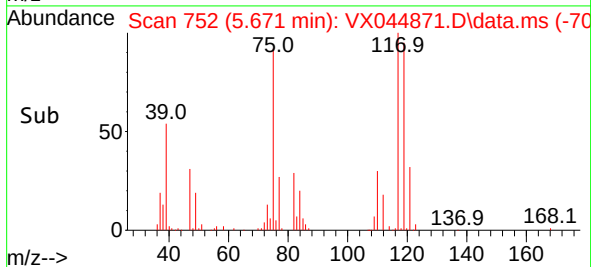
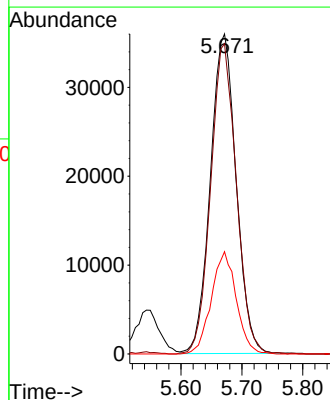
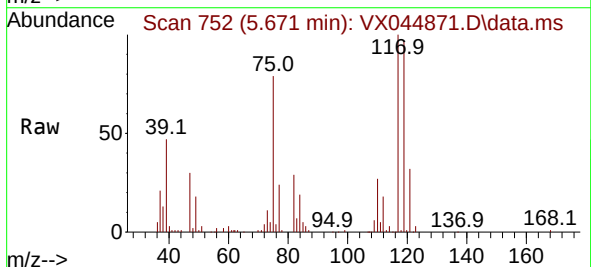
Tgt Ion: 117 Resp: 105873

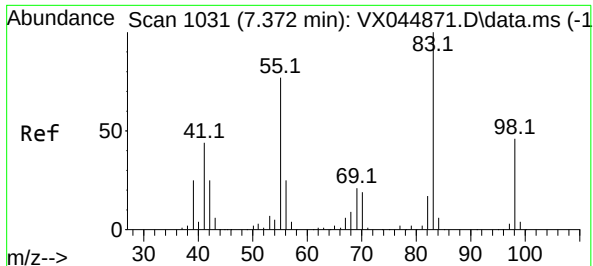
Ion Ratio Lower Upper

117 100

119 96.9 77.5 116.3

121 32.0 25.6 38.4





#39

Methylcyclohexane

Concen: 51.274 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

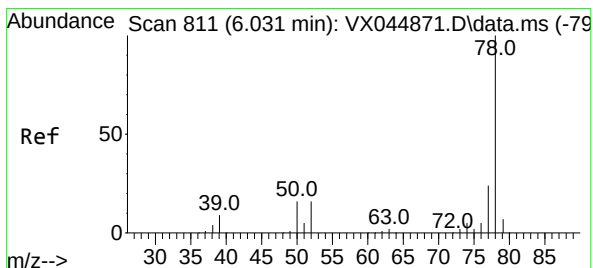
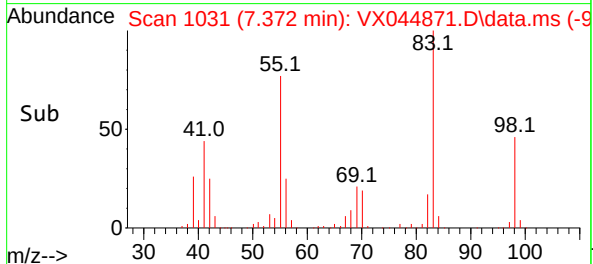
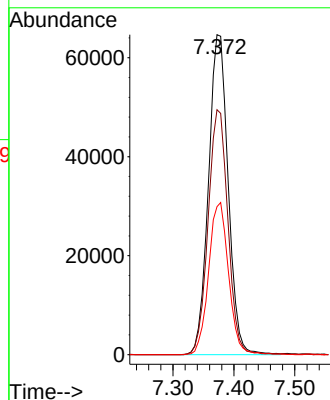
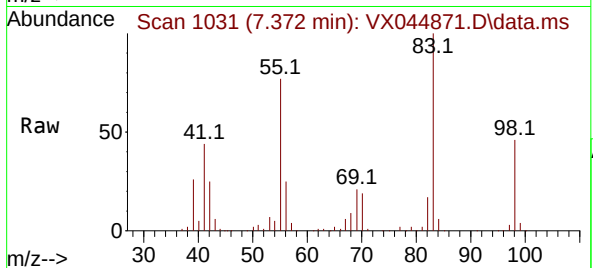
Tgt Ion: 83 Resp: 145338

Ion Ratio Lower Upper

83 100

55 76.6 61.3 91.9

98 46.3 37.0 55.6



#40

Benzene

Concen: 50.182 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044871.D

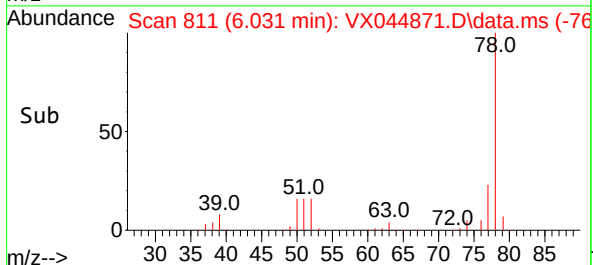
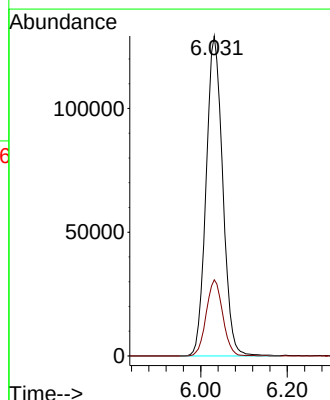
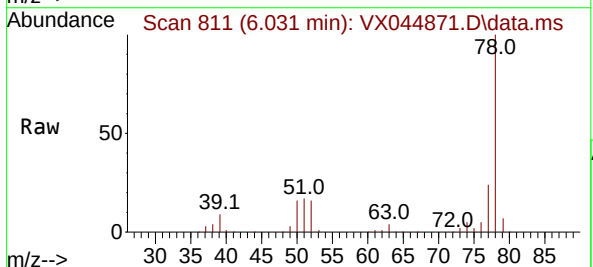
Acq: 10 Feb 2025 11:34

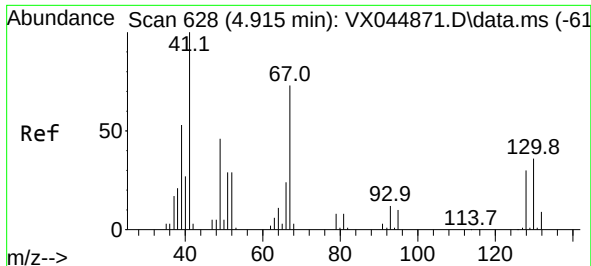
Tgt Ion: 78 Resp: 343557

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6

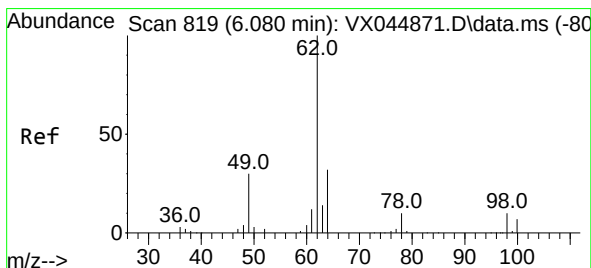
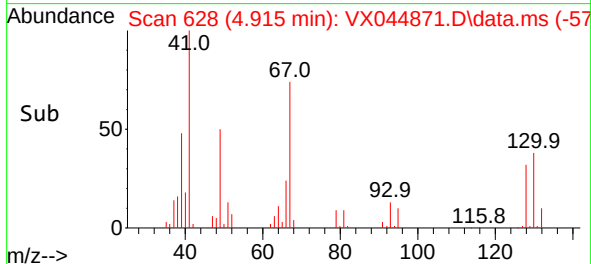
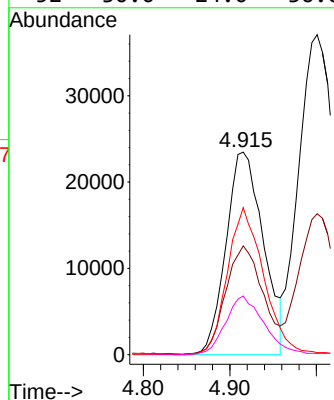
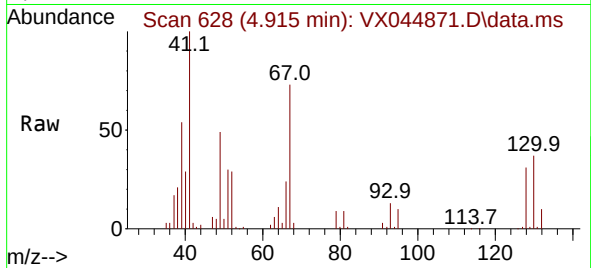




#41
Methacrylonitrile
Concen: 54.065 ug/l
RT: 4.915 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

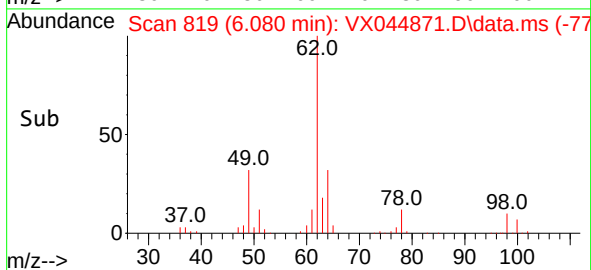
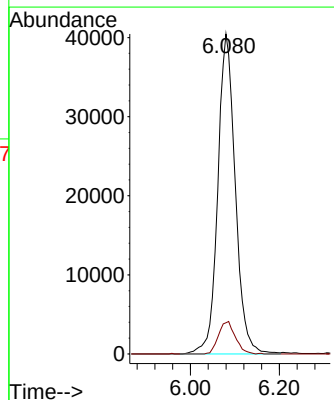
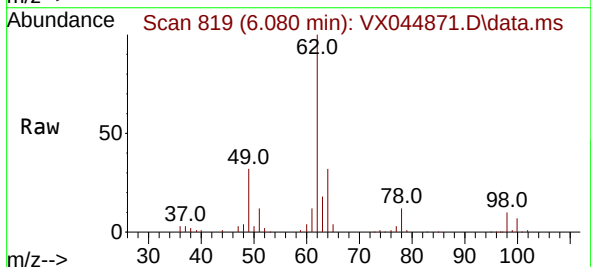
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

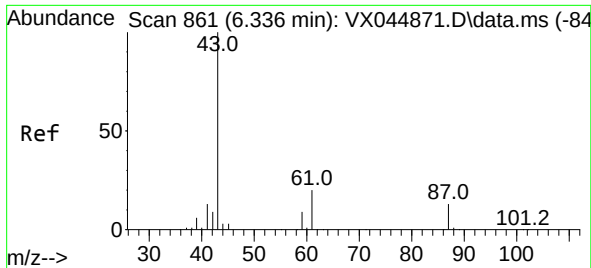
Tgt Ion:	41	Resp:	70572
Ion	Ratio	Lower	Upper
41	100		
39	53.9	43.1	64.7
67	71.3	57.0	85.6
52	30.0	24.0	36.0



#42
1,2-Dichloroethane
Concen: 50.573 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:	62	Resp:	110347
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4

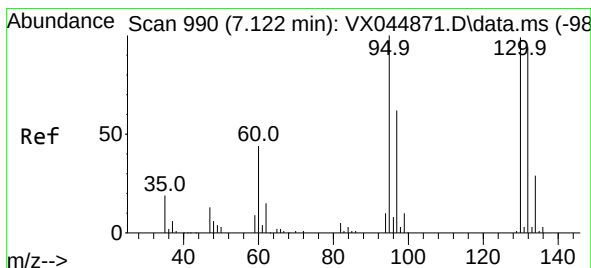
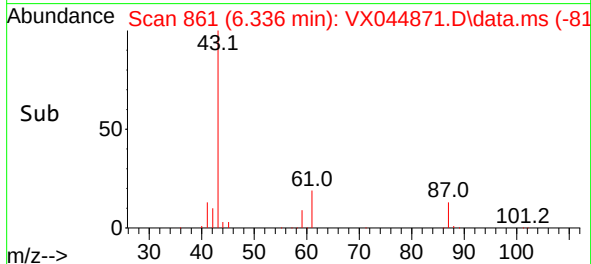
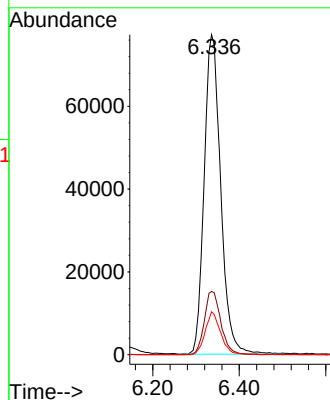
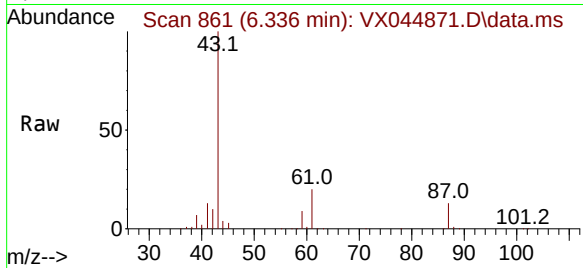




#43
Isopropyl Acetate
Concen: 51.981 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

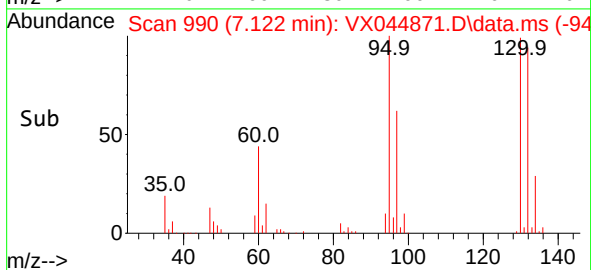
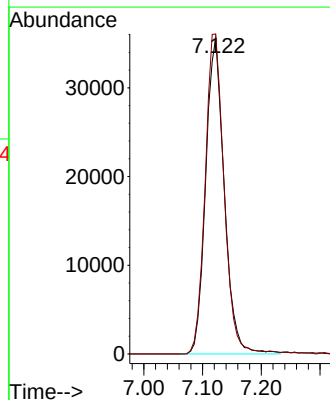
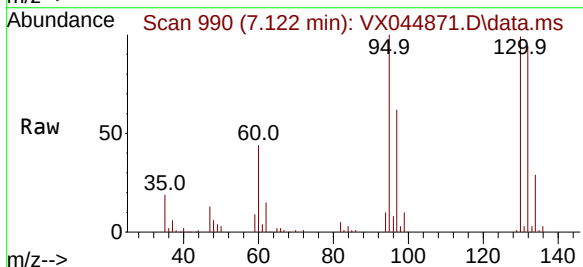
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

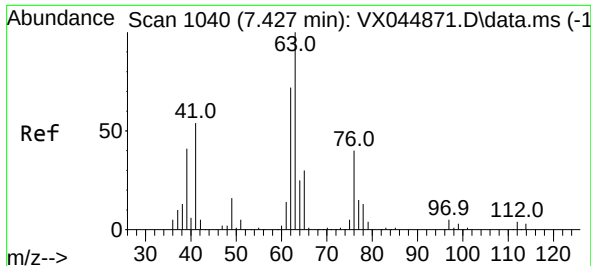
Tgt Ion: 43 Resp: 204703
Ion Ratio Lower Upper
43 100
61 19.8 15.8 23.8
87 12.5 10.0 15.0



#44
Trichloroethene
Concen: 50.020 ug/l
RT: 7.122 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:130 Resp: 78274
Ion Ratio Lower Upper
130 100
95 101.2 0.0 202.4





#45

1,2-Dichloropropane

Concen: 50.335 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

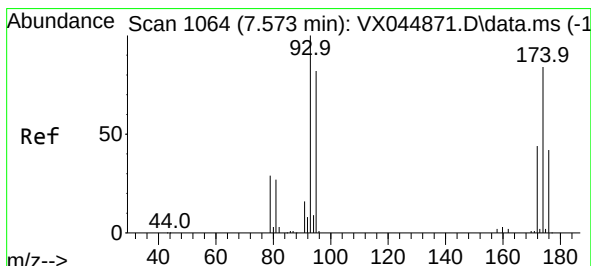
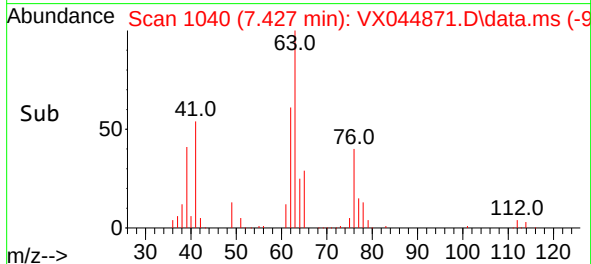
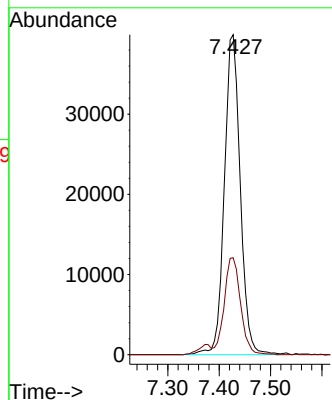
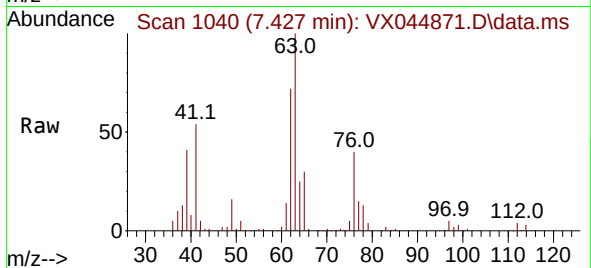
VSTDICCC050

Tgt Ion: 63 Resp: 85733

Ion Ratio Lower Upper

63 100

65 30.3 24.2 36.4



#46

Dibromomethane

Concen: 50.479 ug/l

RT: 7.573 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

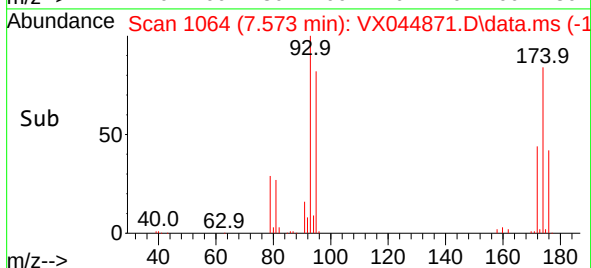
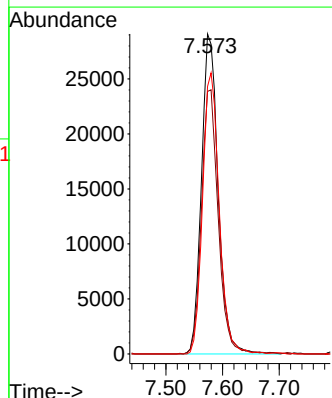
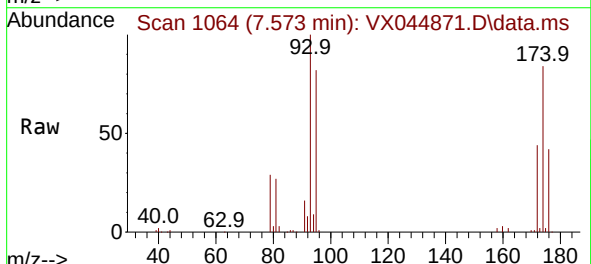
Tgt Ion: 93 Resp: 59625

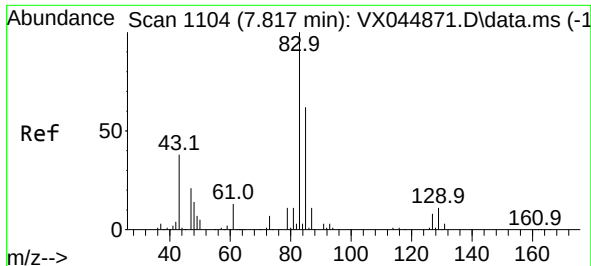
Ion Ratio Lower Upper

93 100

95 82.8 66.2 99.4

174 87.4 69.9 104.9

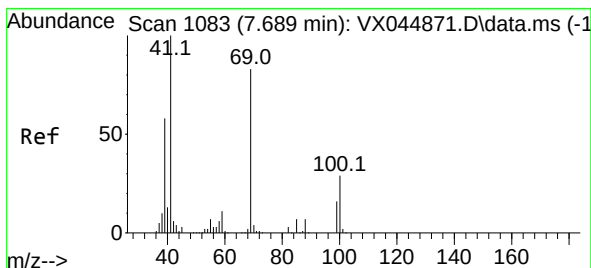
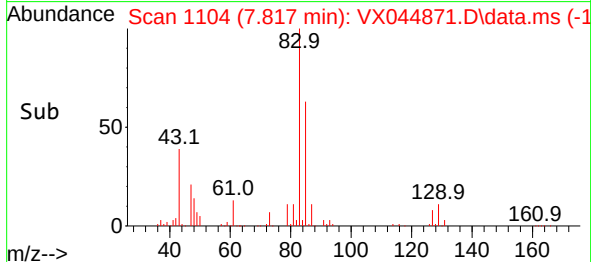
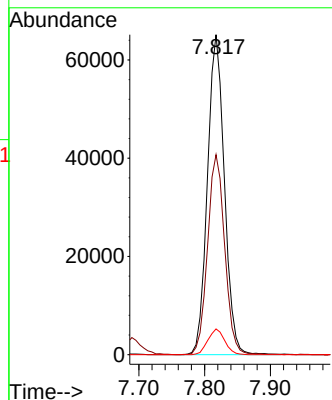
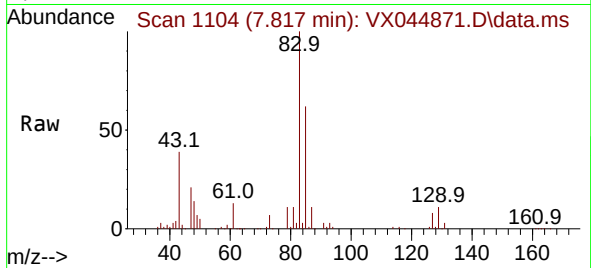




#47
Bromodichloromethane
Concen: 51.108 ug/l
RT: 7.817 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

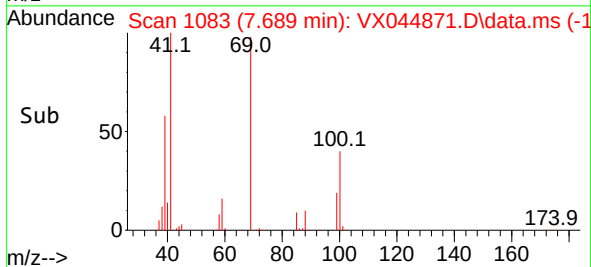
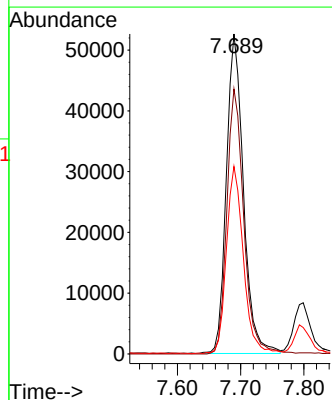
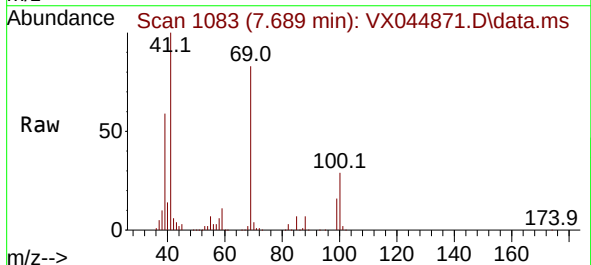
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

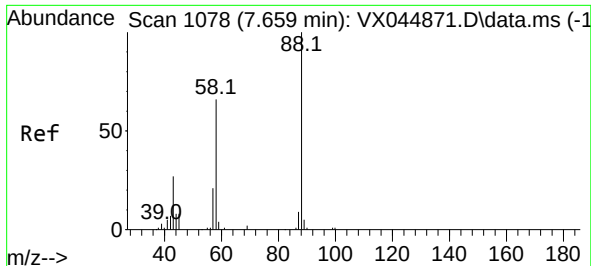
Tgt Ion: 83 Resp: 116892
Ion Ratio Lower Upper
83 100
85 62.5 50.0 75.0
127 8.0 6.4 9.6



#48
Methyl methacrylate
Concen: 53.057 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 41 Resp: 98519
Ion Ratio Lower Upper
41 100
69 82.3 65.8 98.8
39 58.0 46.4 69.6

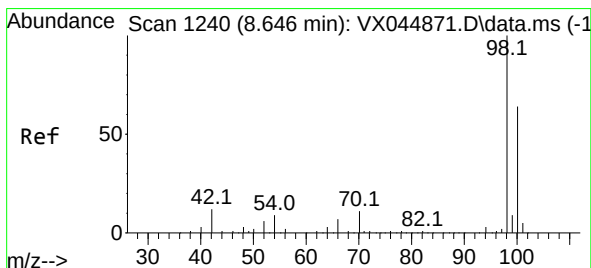
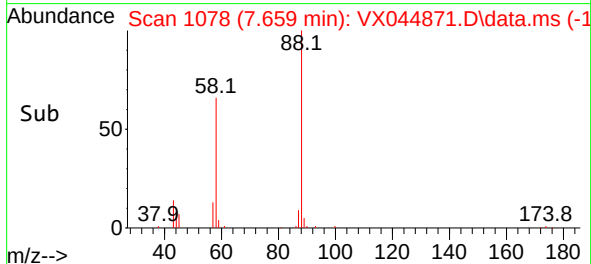
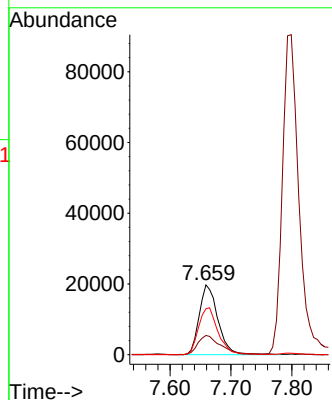
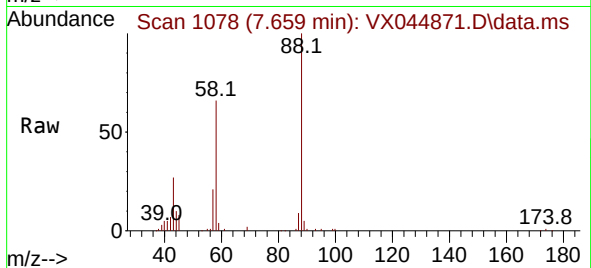




#49
1,4-Dioxane
Concen: 1056.618 ug/l
RT: 7.659 min Scan# 1078
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

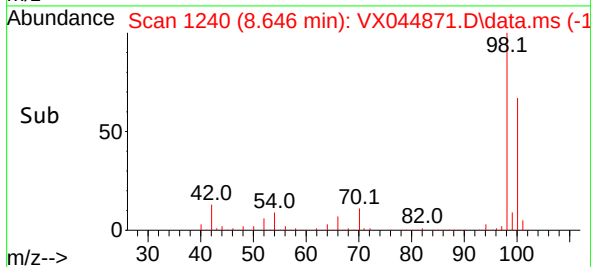
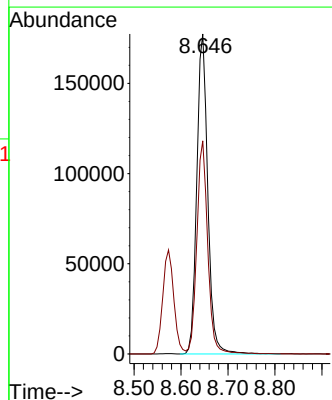
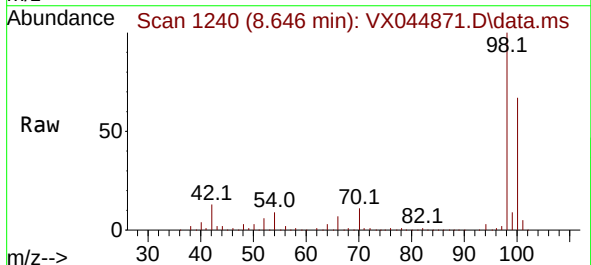
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

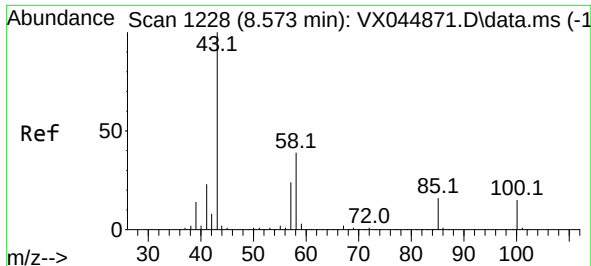
Tgt Ion: 88 Resp: 42094
Ion Ratio Lower Upper
88 100
43 33.2 26.6 39.8
58 69.9 55.9 83.9



#50
Toluene-d8
Concen: 50.392 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 98 Resp: 289575
Ion Ratio Lower Upper
98 100
100 65.9 52.7 79.1

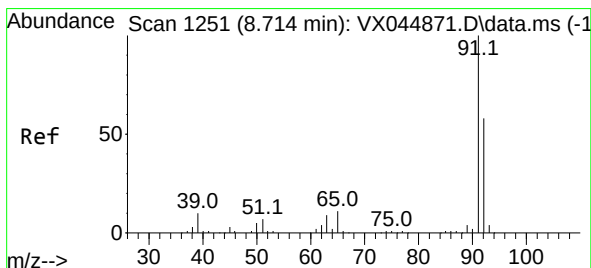
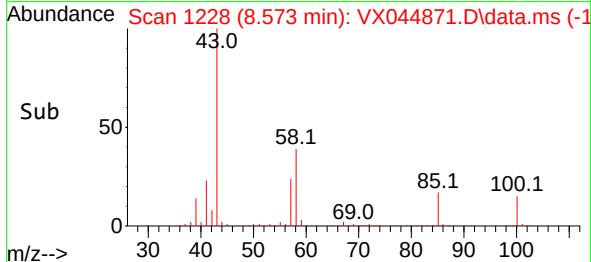
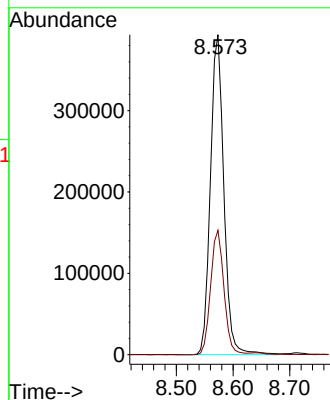
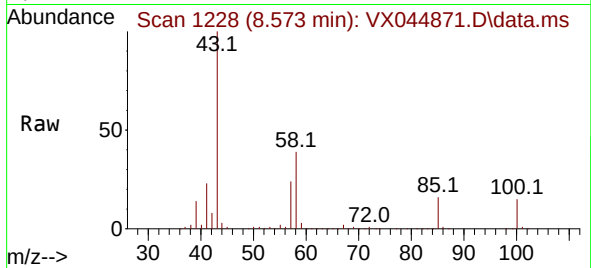




#51
4-Methyl-2-Pentanone
Concen: 270.364 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

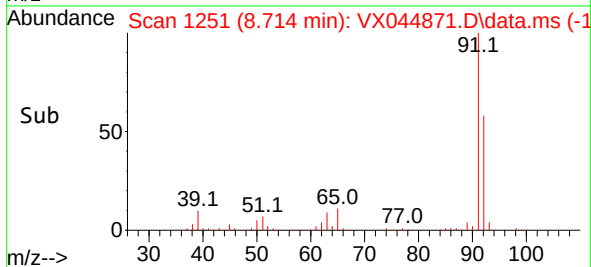
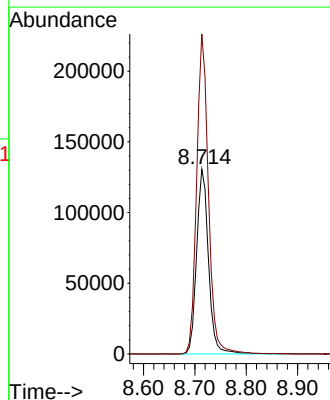
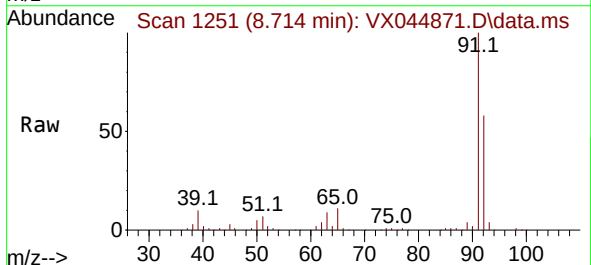
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

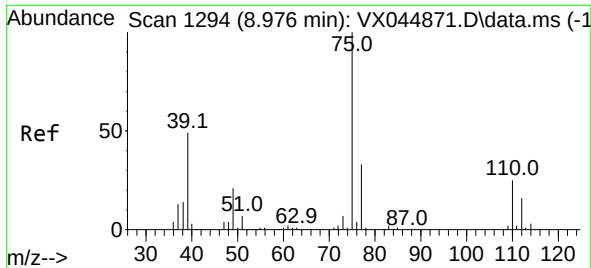
Tgt Ion: 43 Resp: 647283
Ion Ratio Lower Upper
43 100
58 38.5 30.8 46.2



#52
Toluene
Concen: 51.507 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 92 Resp: 210007
Ion Ratio Lower Upper
92 100
91 171.8 137.4 206.2

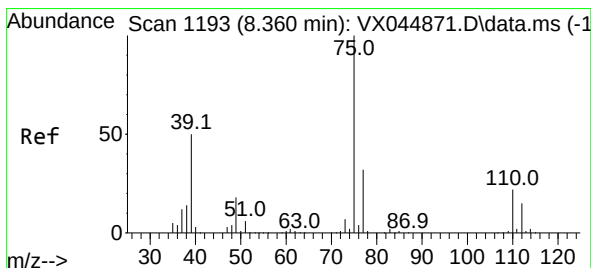
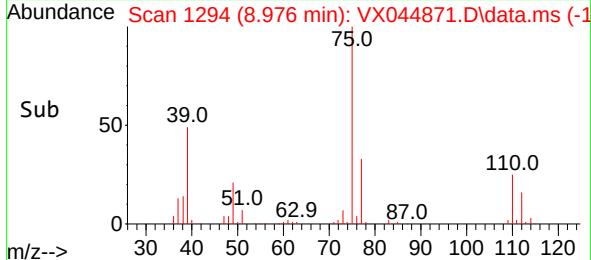
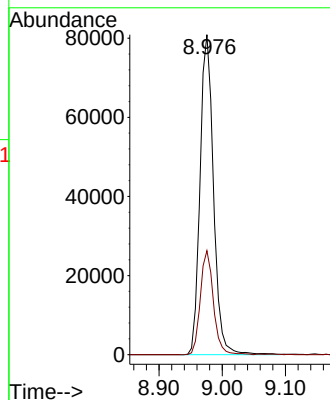
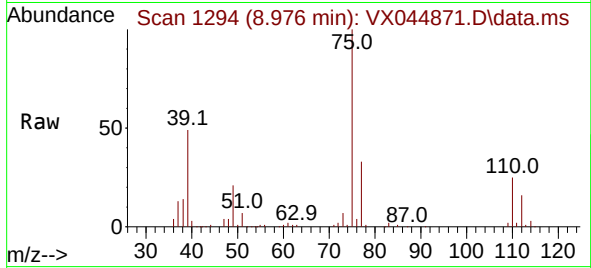




#53
t-1,3-Dichloropropene
Concen: 51.902 ug/l
RT: 8.976 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

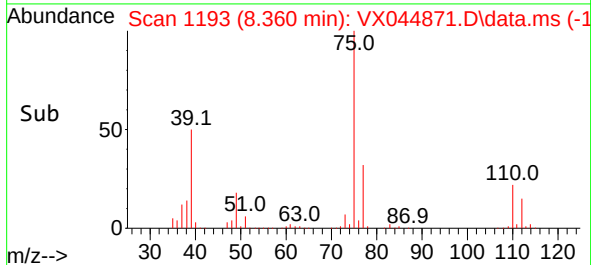
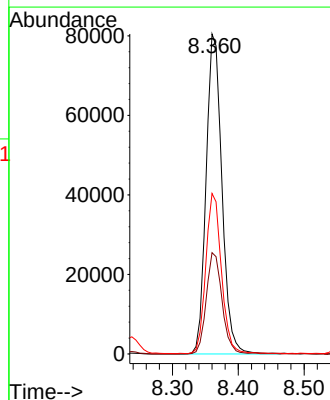
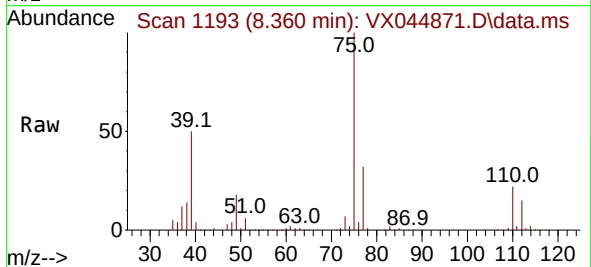
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

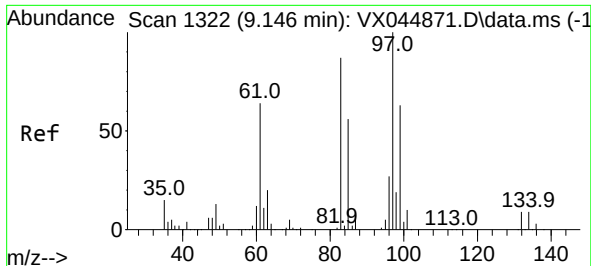
Tgt Ion: 75 Resp: 120125
Ion Ratio Lower Upper
75 100
77 32.5 26.0 39.0



#54
cis-1,3-Dichloropropene
Concen: 52.223 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 134763
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9
39 50.0 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 50.876 ug/l

RT: 9.146 min Scan# 1322

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 79741

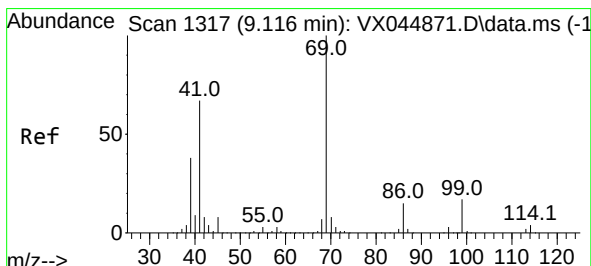
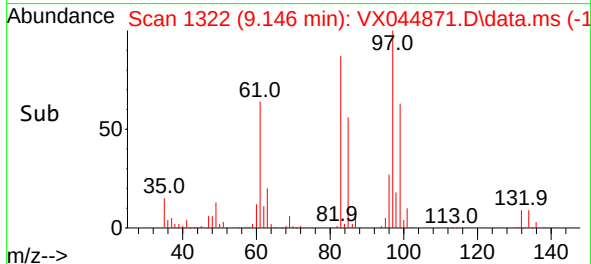
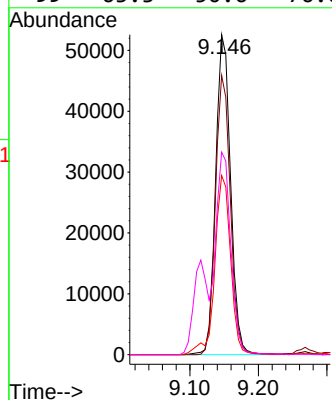
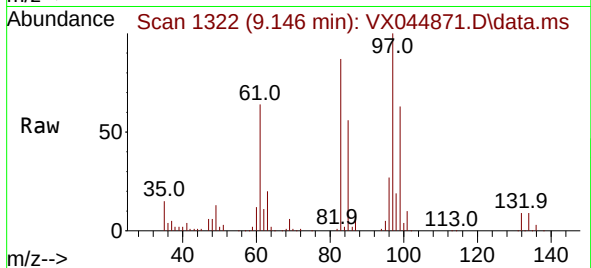
Ion Ratio Lower Upper

97 100

83 87.2 69.8 104.6

85 56.0 44.8 67.2

99 63.3 50.6 76.0



#56

Ethyl methacrylate

Concen: 53.319 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

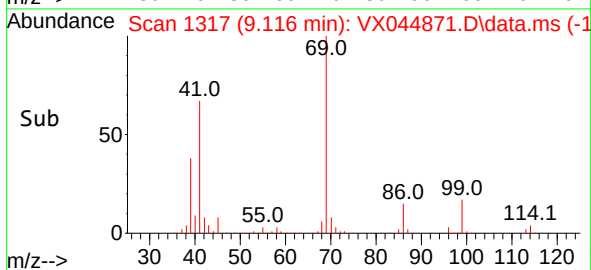
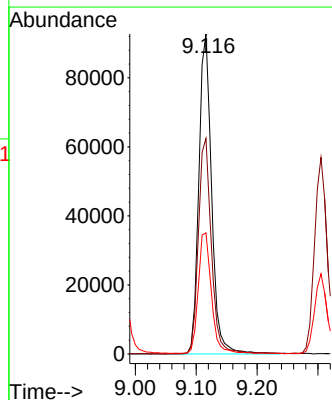
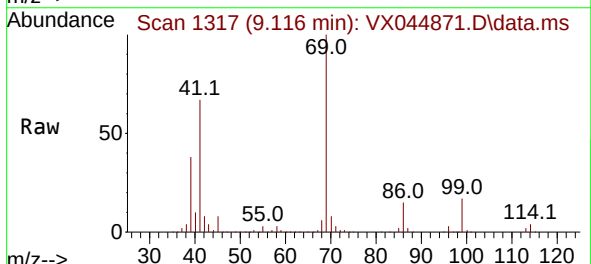
Tgt Ion: 69 Resp: 134975

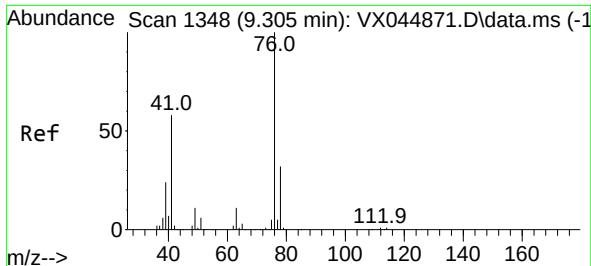
Ion Ratio Lower Upper

69 100

41 69.0 55.2 82.8

39 38.5 30.8 46.2





#57

1,3-Dichloropropane

Concen: 51.537 ug/l

RT: 9.305 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

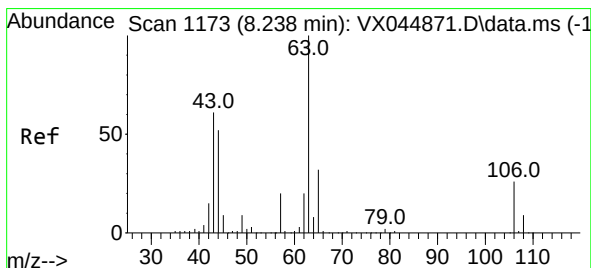
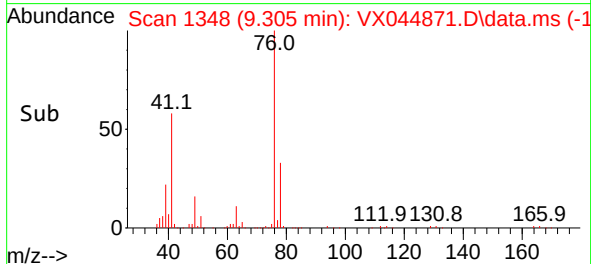
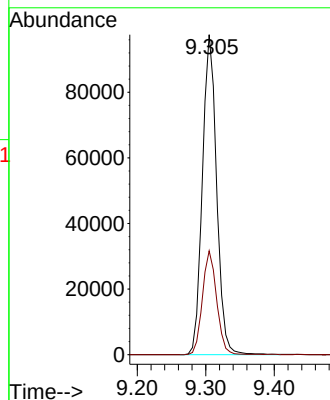
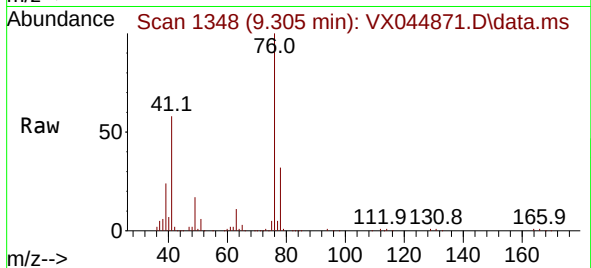
VSTDICCC050

Tgt Ion: 76 Resp: 141335

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 270.652 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044871.D

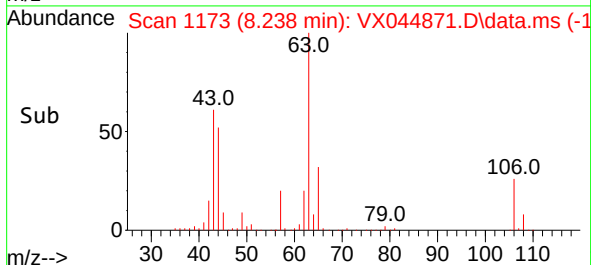
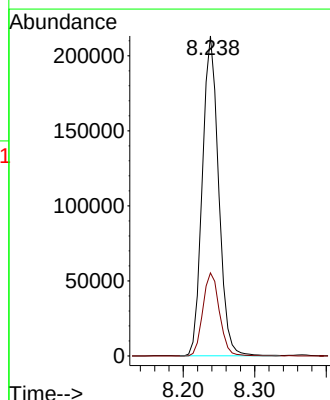
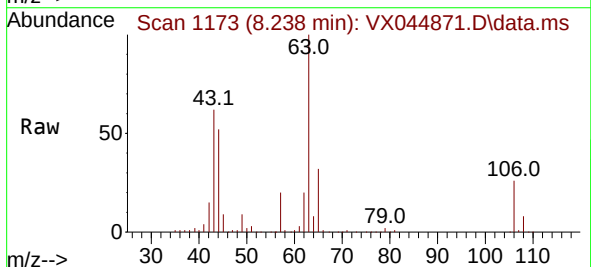
Acq: 10 Feb 2025 11:34

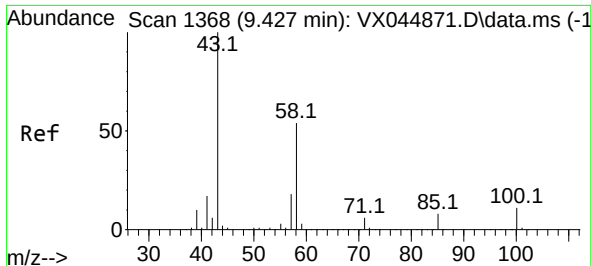
Tgt Ion: 63 Resp: 336412

Ion Ratio Lower Upper

63 100

106 26.6 21.3 31.9

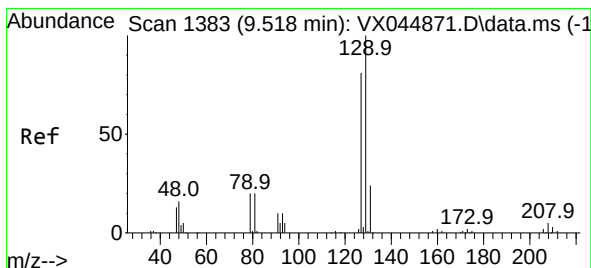
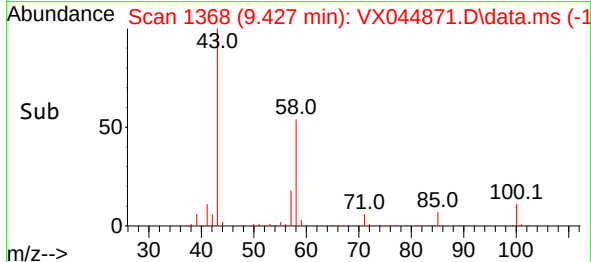
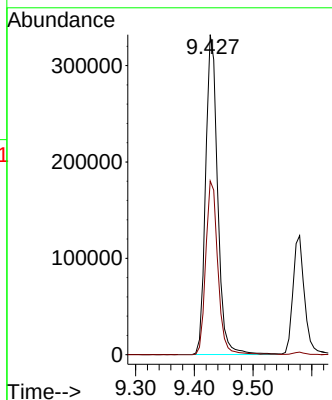
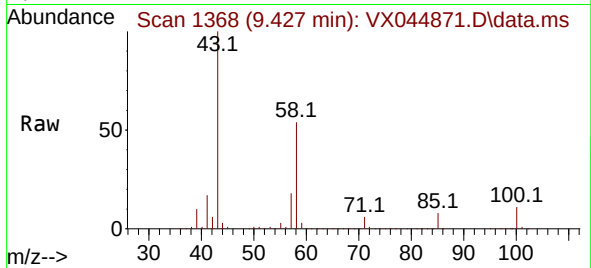




#59
2-Hexanone
Concen: 273.800 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

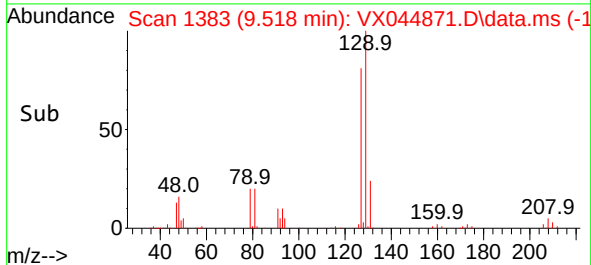
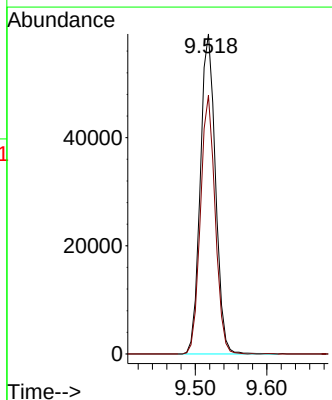
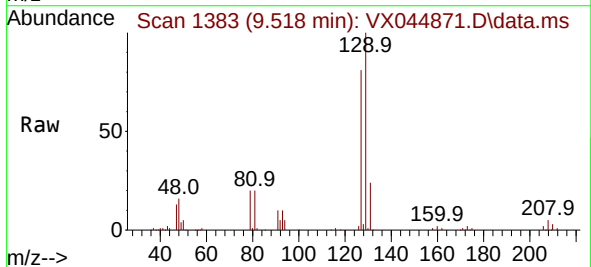
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

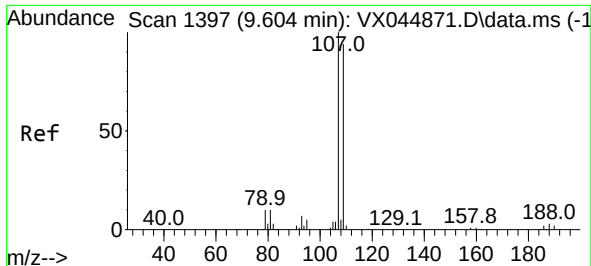
Tgt Ion: 43 Resp: 472301
Ion Ratio Lower Upper
43 100
58 54.9 27.5 82.4



#60
Dibromochloromethane
Concen: 52.045 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 129 Resp: 87240
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.3

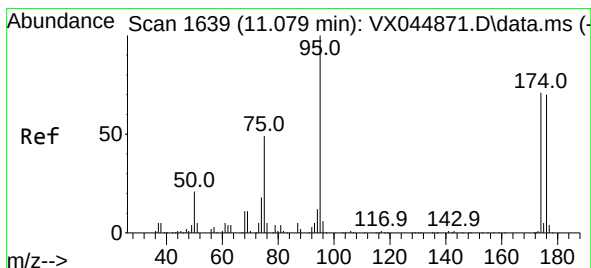
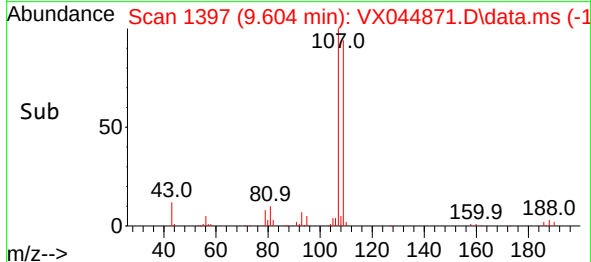
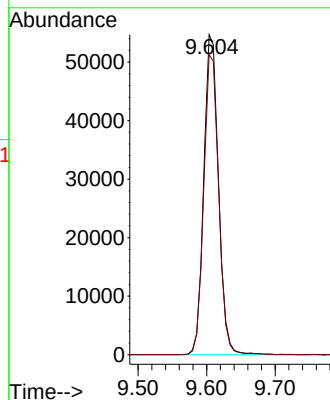
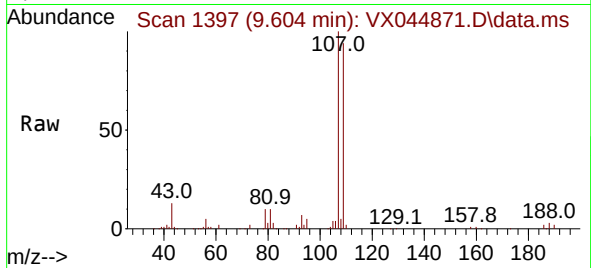




#61
1,2-Dibromoethane
Concen: 51.564 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

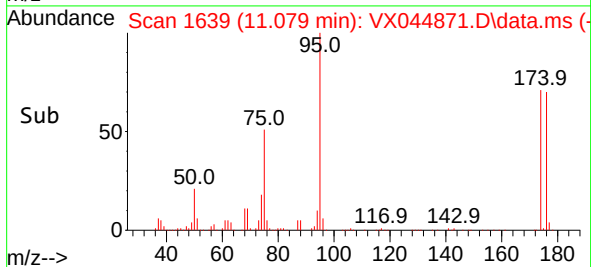
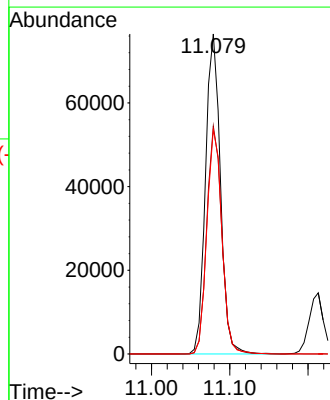
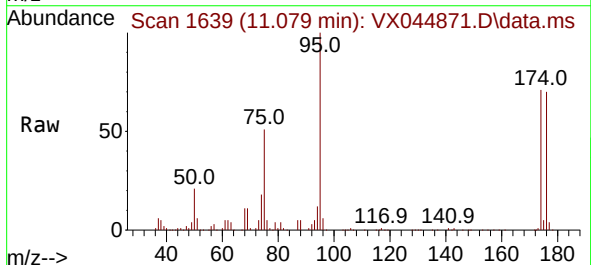
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

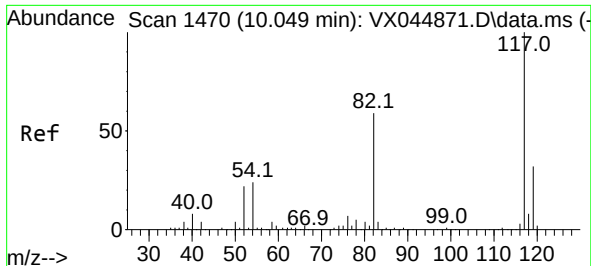
Tgt Ion:107 Resp: 81915
Ion Ratio Lower Upper
107 100
109 94.9 75.9 113.9



#62
4-Bromofluorobenzene
Concen: 52.031 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 95 Resp: 100798
Ion Ratio Lower Upper
95 100
174 71.3 0.0 142.6
176 70.8 0.0 141.6

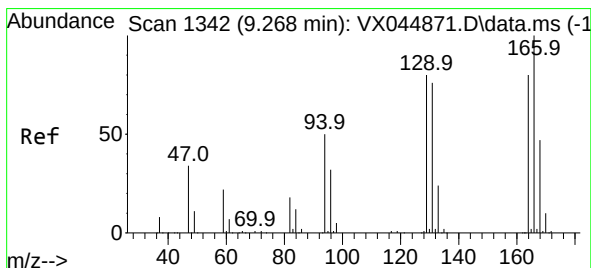
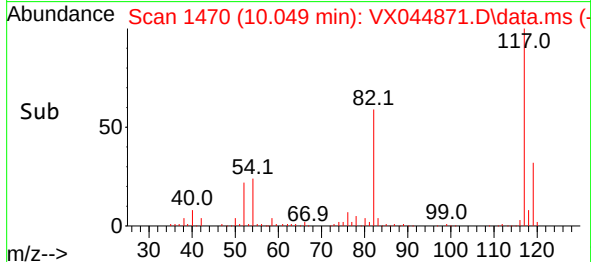
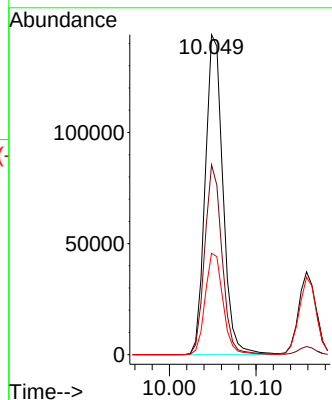
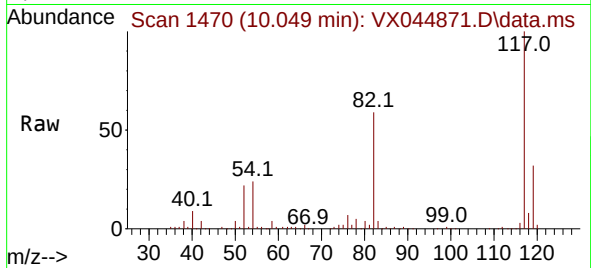




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

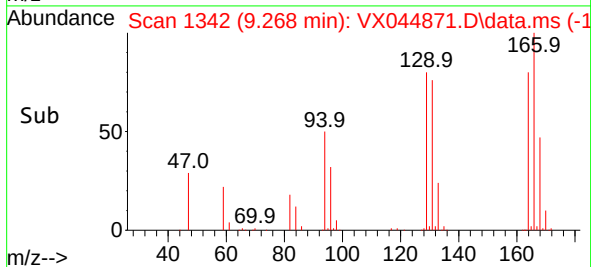
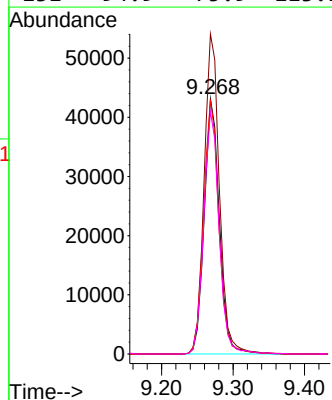
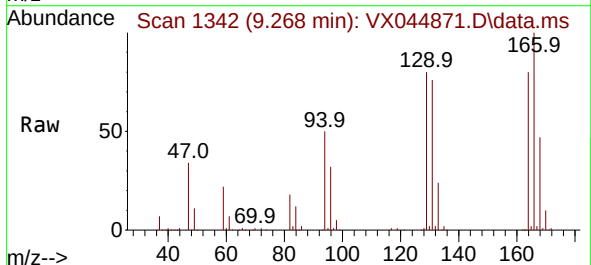
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

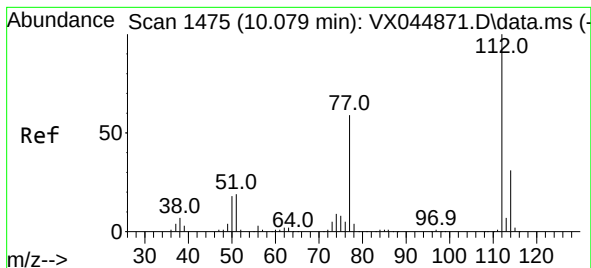
Tgt Ion:117 Resp: 204751
Ion Ratio Lower Upper
117 100
82 59.4 47.5 71.3
119 31.7 25.4 38.0



#64
Tetrachloroethene
Concen: 49.206 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:164 Resp: 63537
Ion Ratio Lower Upper
164 100
166 125.5 100.4 150.6
129 99.9 79.9 119.9
131 94.9 75.9 113.9

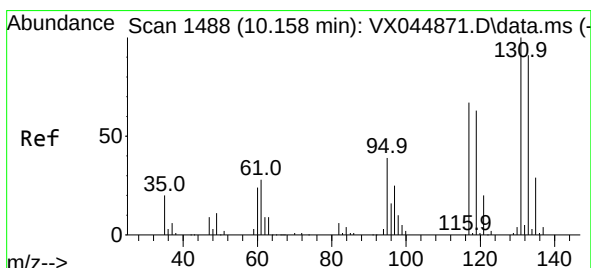
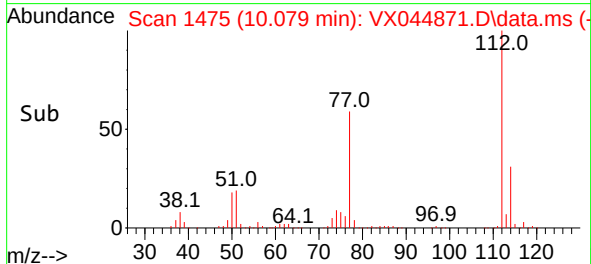
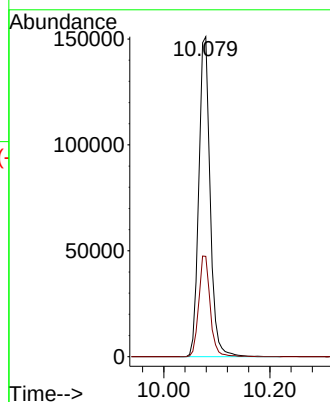
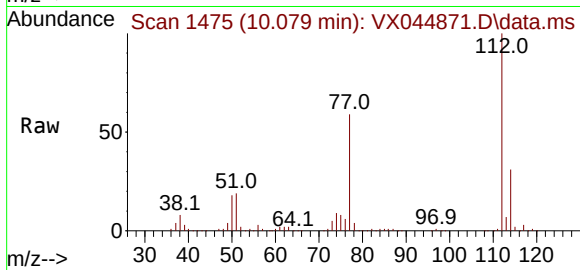




#65
Chlorobenzene
Concen: 51.005 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

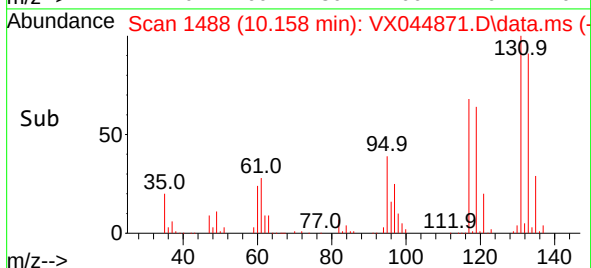
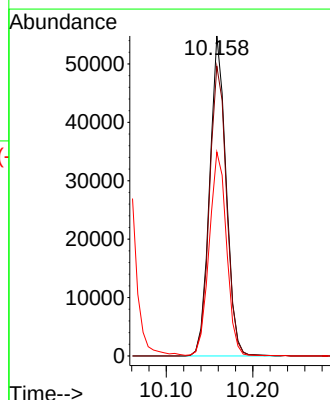
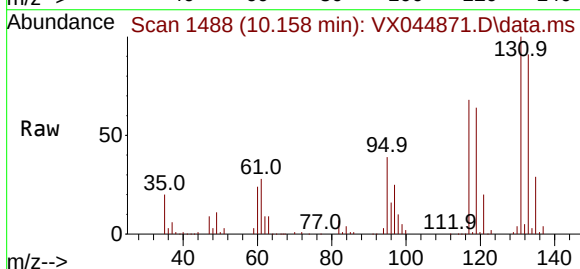
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

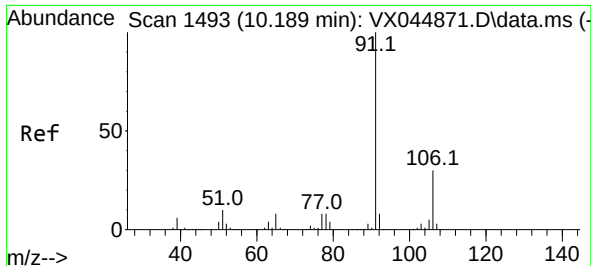
Tgt Ion:112 Resp: 224306
Ion Ratio Lower Upper
112 100
114 31.3 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.203 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:131 Resp: 72478
Ion Ratio Lower Upper
131 100
133 94.2 47.1 141.3
119 67.1 33.6 100.6





#67

Ethyl Benzene

Concen: 51.061 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

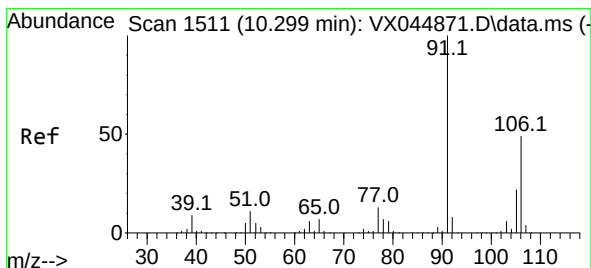
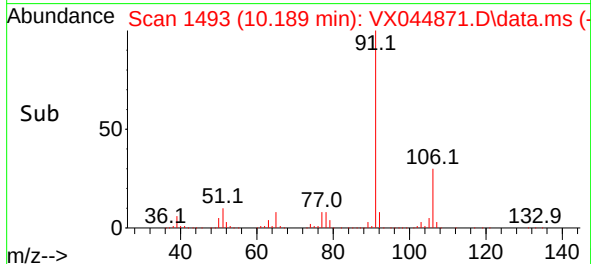
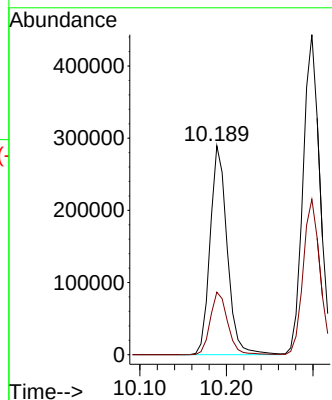
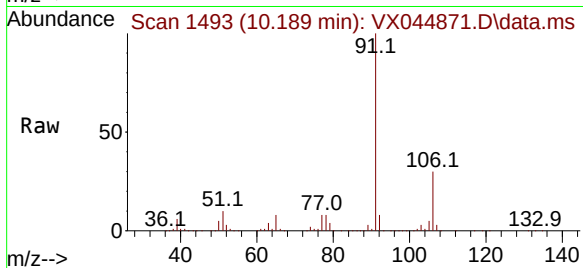
VSTDICCC050

Tgt Ion: 91 Resp: 396269

Ion Ratio Lower Upper

91 100

106 29.9 23.9 35.9



#68

m/p-Xylenes

Concen: 103.573 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044871.D

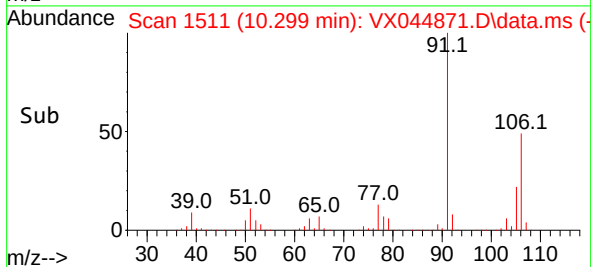
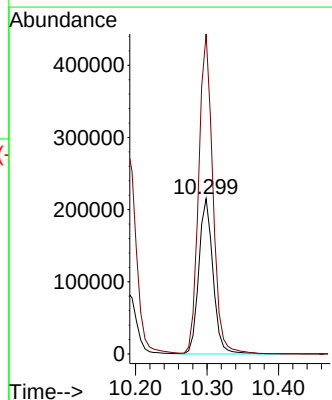
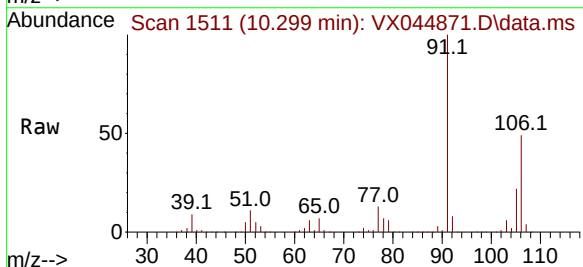
Acq: 10 Feb 2025 11:34

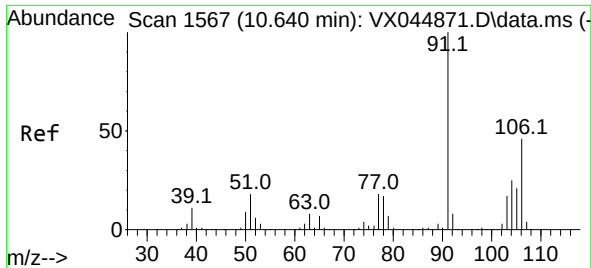
Tgt Ion: 106 Resp: 296507

Ion Ratio Lower Upper

106 100

91 205.4 164.3 246.5

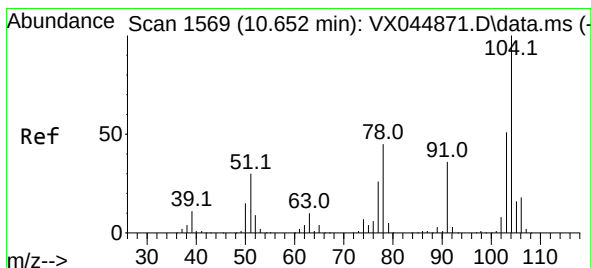
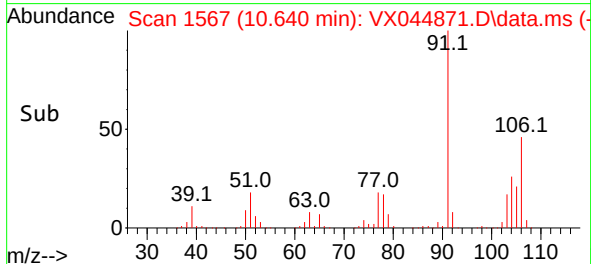
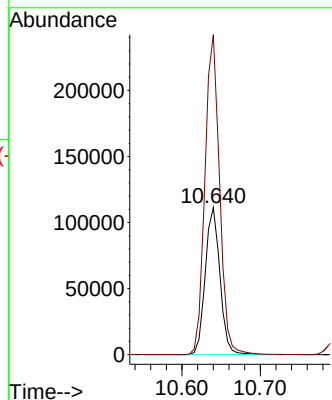
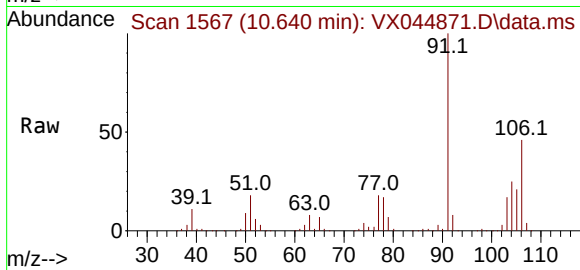




#69
o-Xylene
Concen: 50.409 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

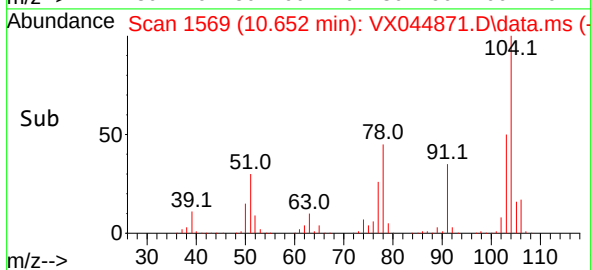
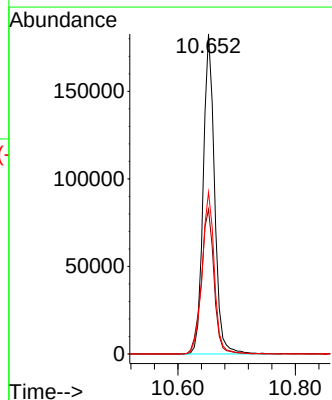
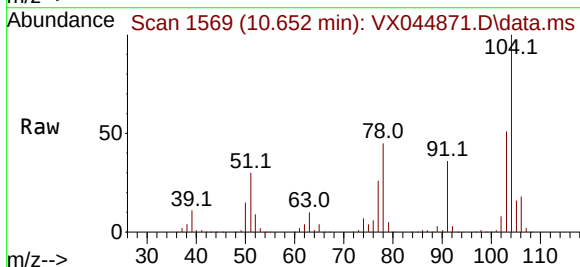
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

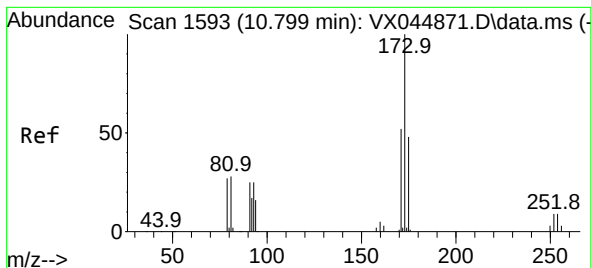
Tgt Ion:106 Resp: 144802
Ion Ratio Lower Upper
106 100
91 217.0 108.5 325.5



#70
Styrene
Concen: 53.051 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:104 Resp: 245518
Ion Ratio Lower Upper
104 100
78 50.6 40.5 60.7
103 54.5 43.6 65.4





#71

Bromoform

Concen: 54.352 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

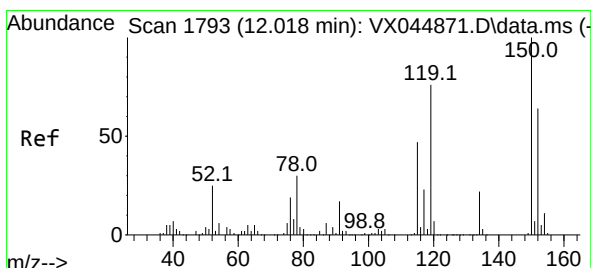
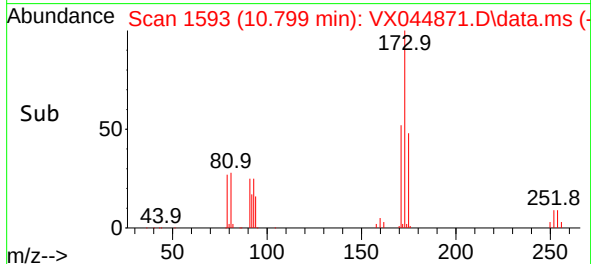
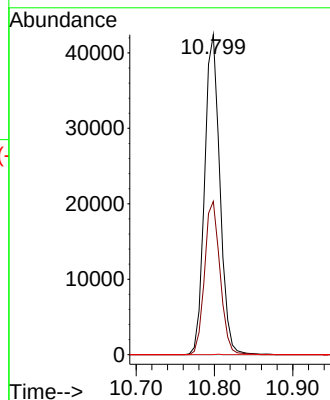
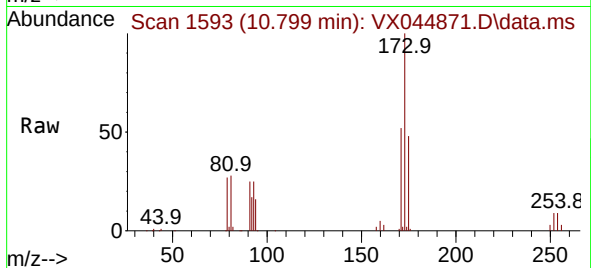
Tgt Ion:173 Resp: 57417

Ion Ratio Lower Upper

173 100

175 48.5 24.3 72.8

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: VX044871.D

Acq: 10 Feb 2025 11:34

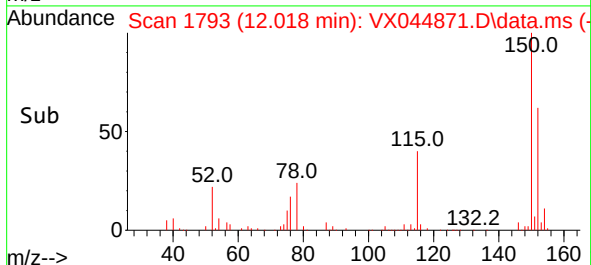
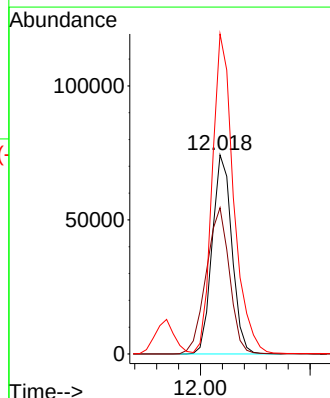
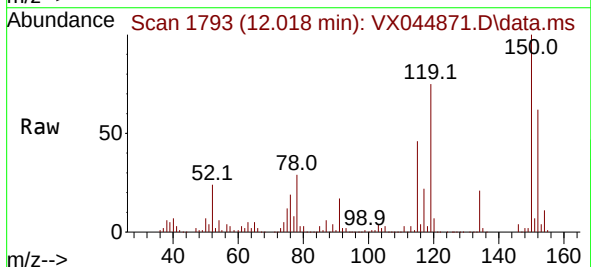
Tgt Ion:152 Resp: 92648

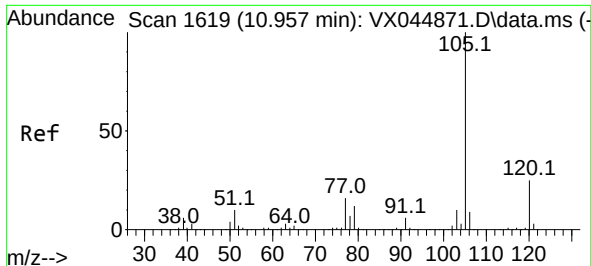
Ion Ratio Lower Upper

152 100

115 86.7 43.4 130.1

150 175.2 0.0 350.4

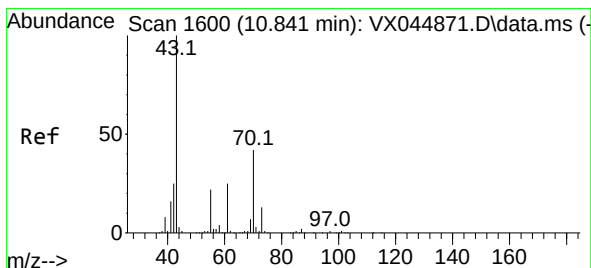
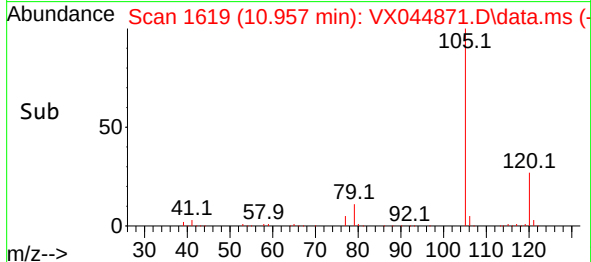
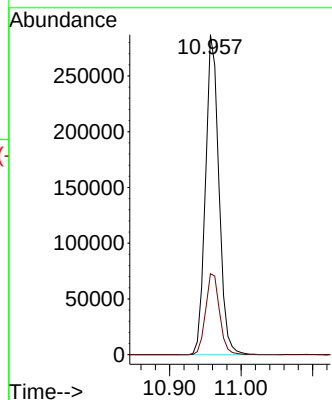
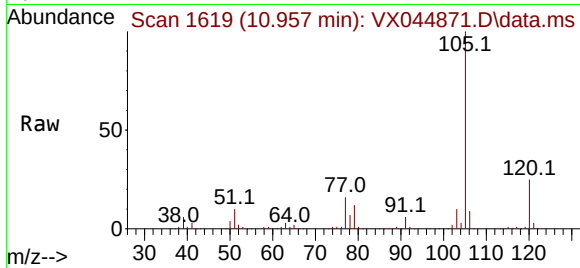




#73
Isopropylbenzene
Concen: 50.239 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

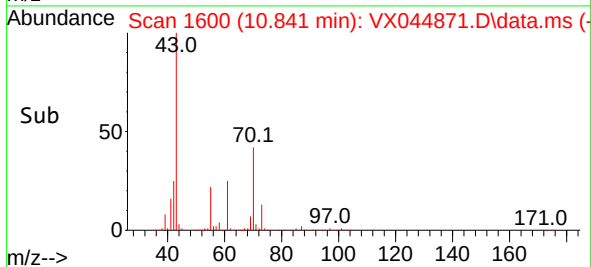
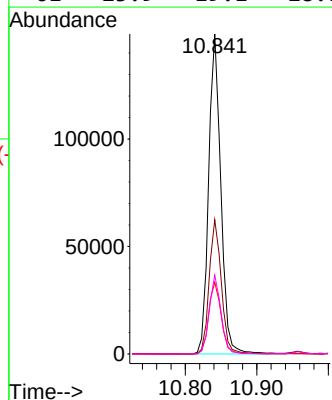
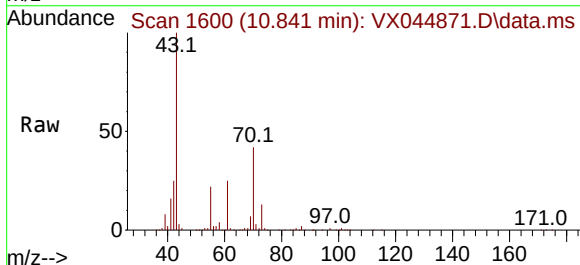
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

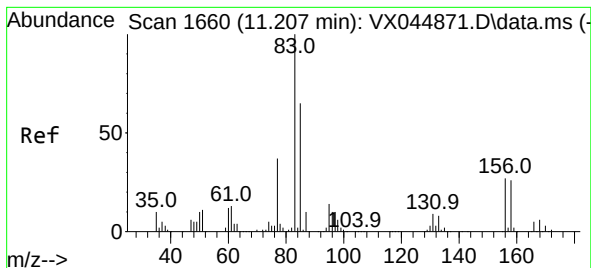
Tgt Ion:105 Resp: 374776
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5



#74
N-ethyl acetate
Concen: 52.189 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 43 Resp: 176174
Ion Ratio Lower Upper
43 100
70 42.1 33.7 50.5
55 23.2 18.6 27.8
61 23.9 19.1 28.7

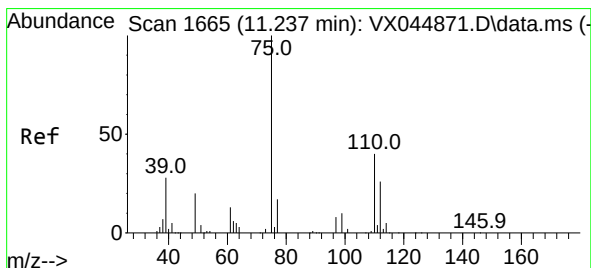
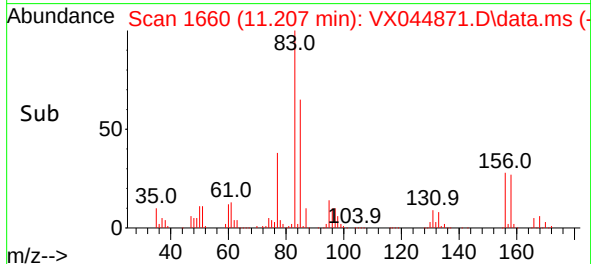
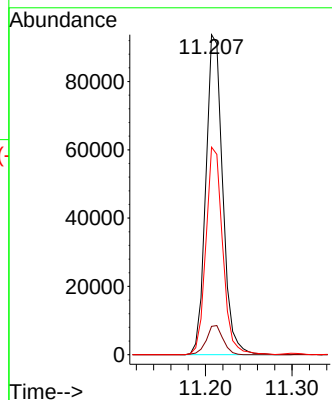
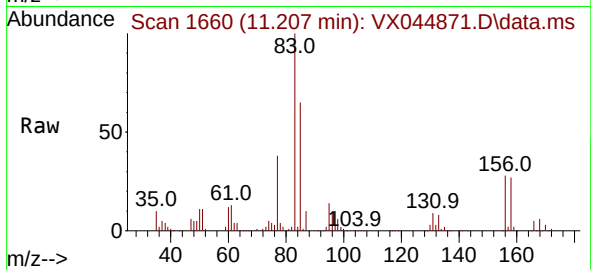




#75
 1,1,2,2-Tetrachloroethane
 Concen: 49.364 ug/l
 RT: 11.207 min Scan# 1660
 Delta R.T. 0.000 min
 Lab File: VX044871.D
 Acq: 10 Feb 2025 11:34

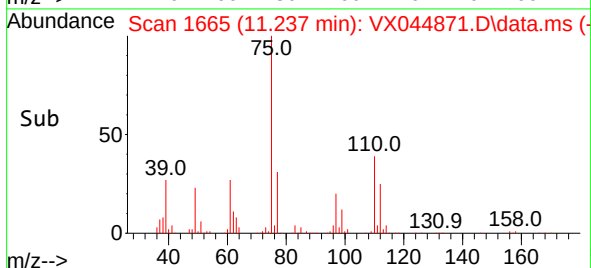
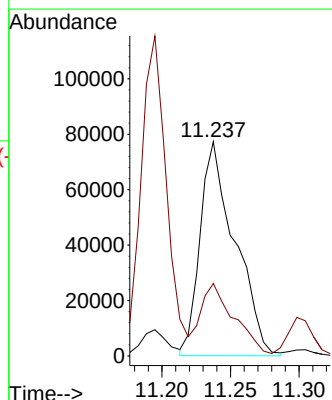
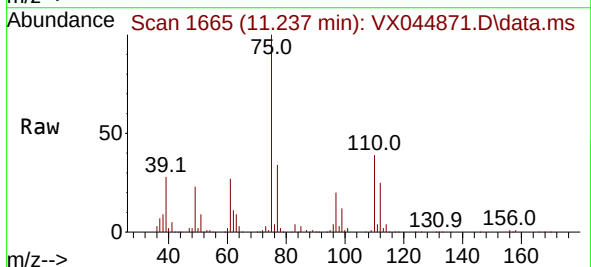
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

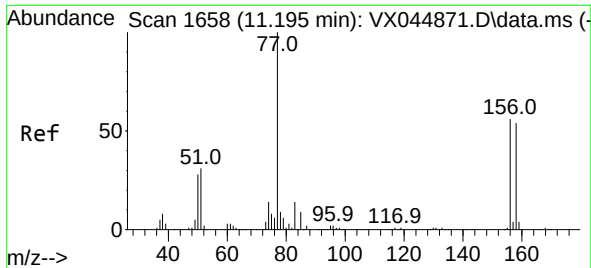
Tgt Ion: 83 Resp: 126542
 Ion Ratio Lower Upper
 83 100
 131 9.0 4.5 13.5
 85 64.5 32.3 96.8



#76
 1,2,3-Trichloropropane
 Concen: 66.637 ug/l
 RT: 11.237 min Scan# 1665
 Delta R.T. 0.000 min
 Lab File: VX044871.D
 Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 136881
 Ion Ratio Lower Upper
 75 100
 77 32.8 21.9 65.7

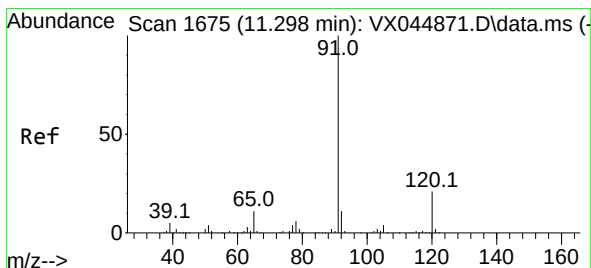
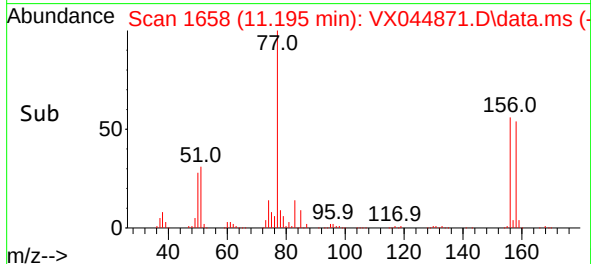
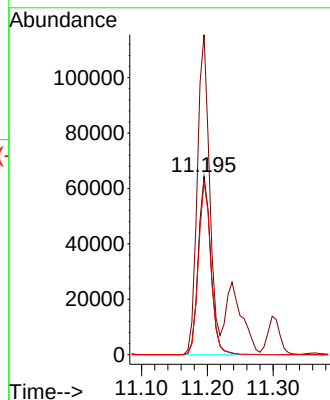
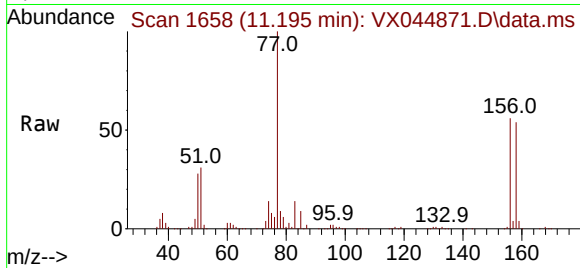




#77
Bromobenzene
Concen: 49.931 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

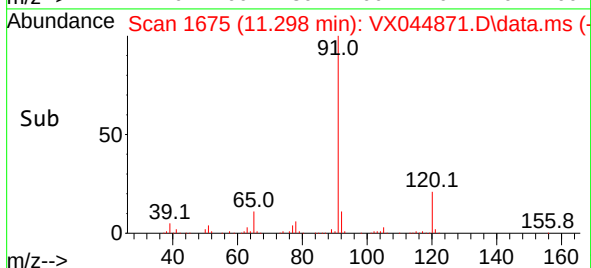
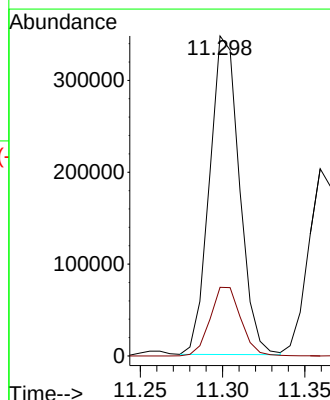
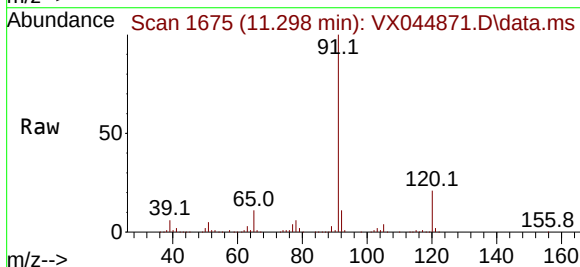
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

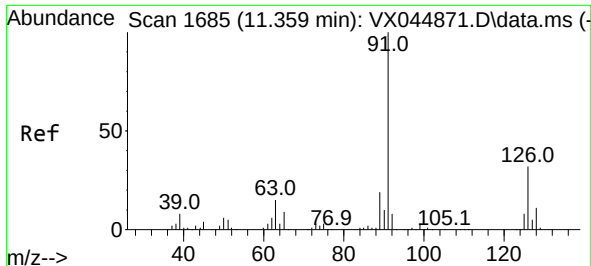
Tgt Ion:	156	Resp:	84448
Ion Ratio	Lower	Upper	
156	100		
77	176.9	88.4	265.3
158	96.8	48.4	145.2



#78
n-propylbenzene
Concen: 50.818 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:	91	Resp:	437572
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.1	33.3

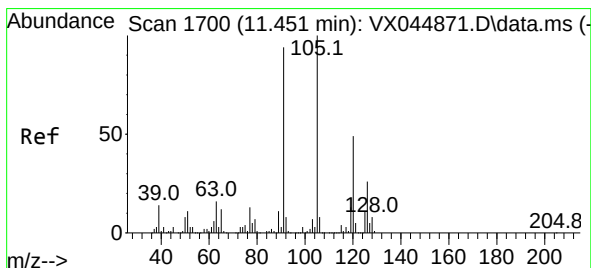
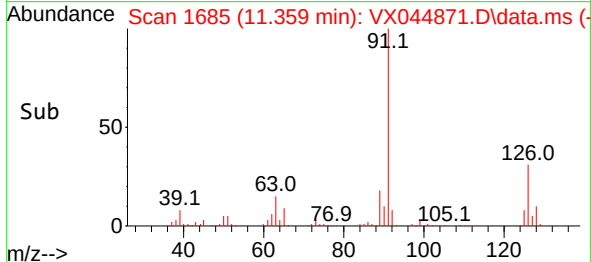
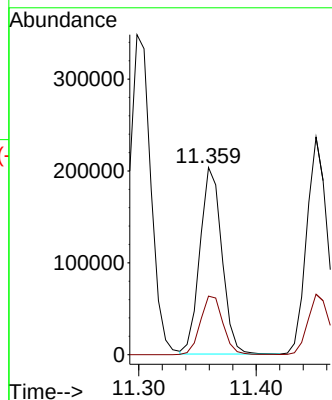
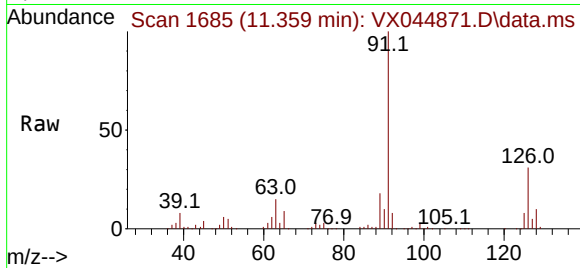




#79
2-Chlorotoluene
Concen: 49.749 ug/l
RT: 11.359 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

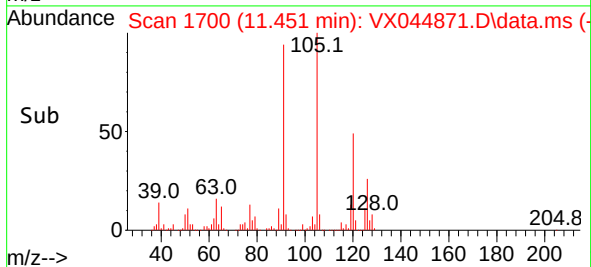
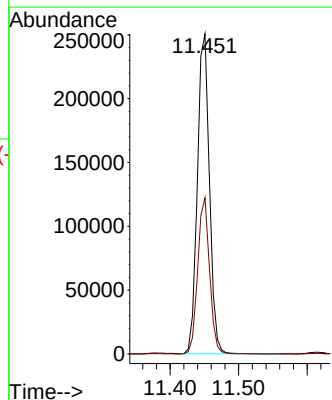
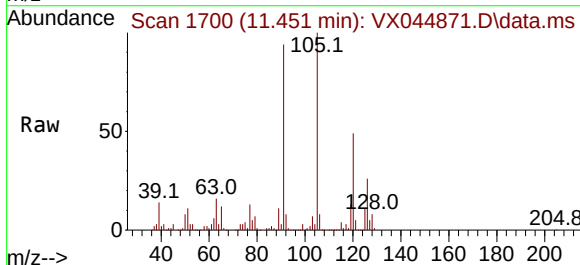
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

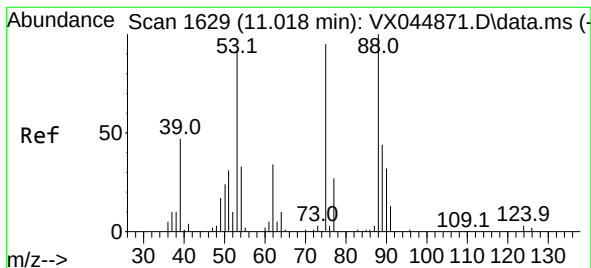
Tgt Ion: 91 Resp: 263269
Ion Ratio Lower Upper
91 100
126 32.4 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 50.789 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 105 Resp: 307465
Ion Ratio Lower Upper
105 100
120 48.0 24.0 72.0

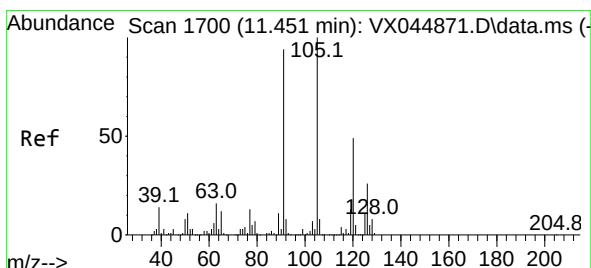
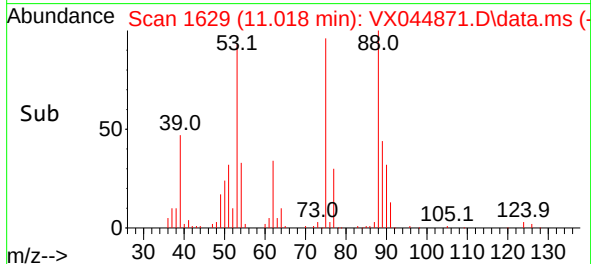
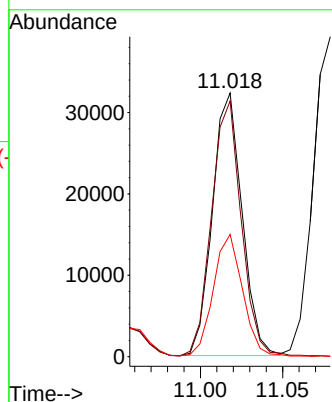
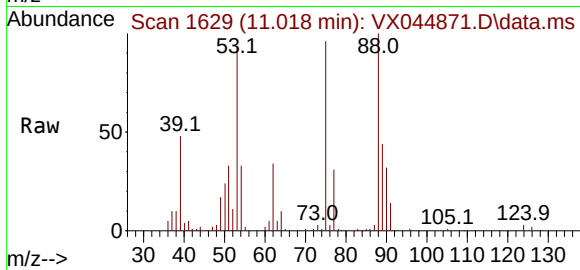




#81
trans-1,4-Dichloro-2-butene
Concen: 50.701 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

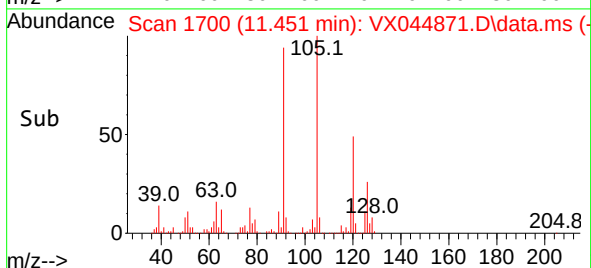
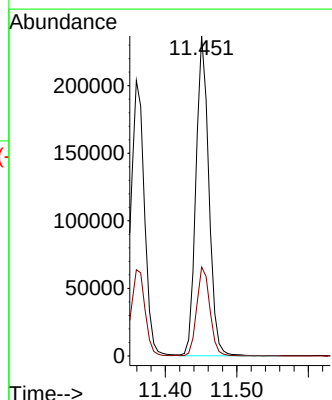
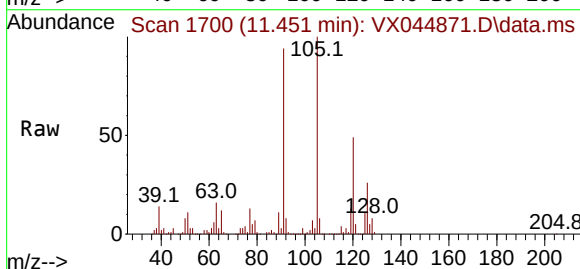
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

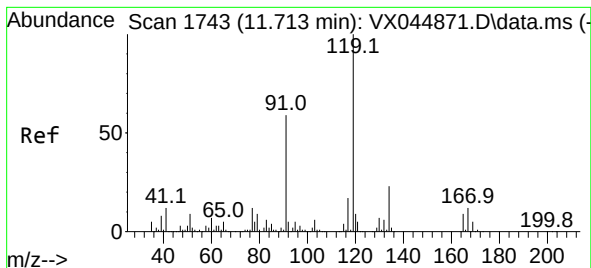
Tgt Ion: 75 Resp: 40487
Ion Ratio Lower Upper
75 100
53 97.5 78.0 117.0
89 45.7 36.6 54.8



#82
4-Chlorotoluene
Concen: 50.531 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 91 Resp: 295844
Ion Ratio Lower Upper
91 100
126 28.4 14.2 42.6

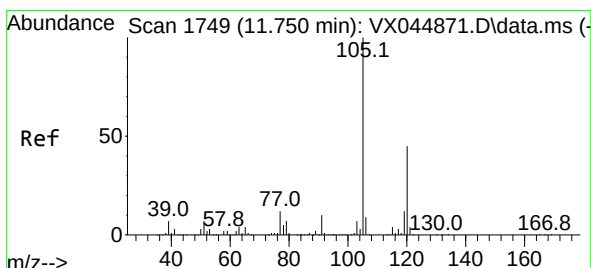
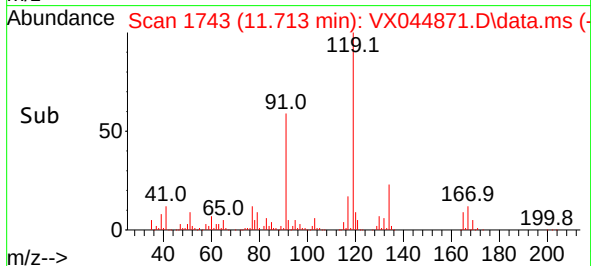
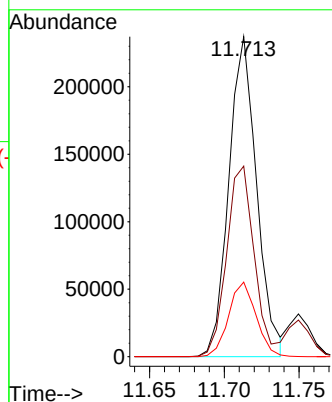
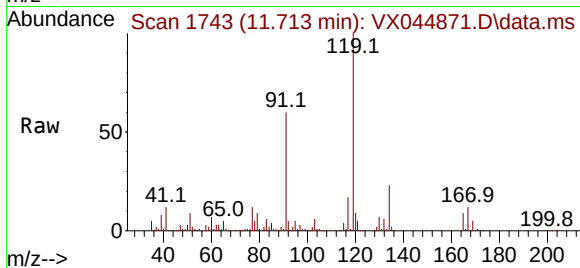




#83
 tert-Butylbenzene
 Concen: 50.102 ug/l
 RT: 11.713 min Scan# 1743
 Delta R.T. 0.000 min
 Lab File: VX044871.D
 Acq: 10 Feb 2025 11:34

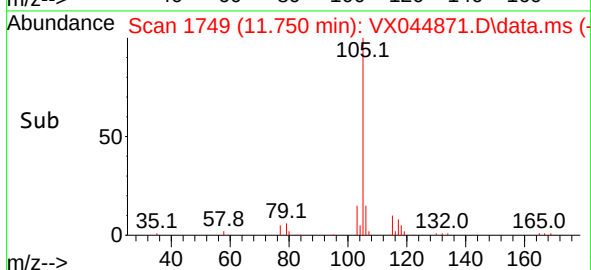
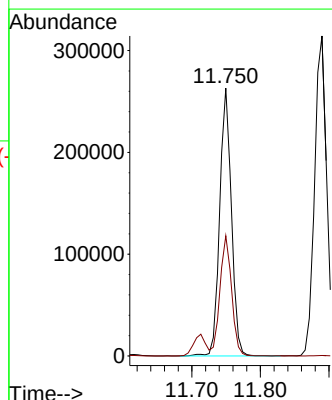
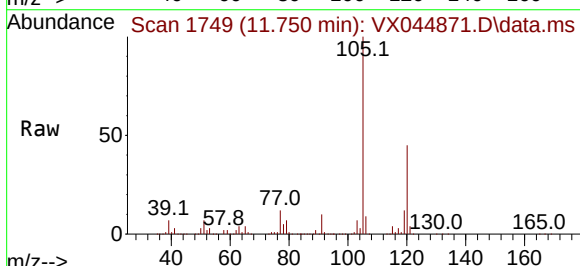
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

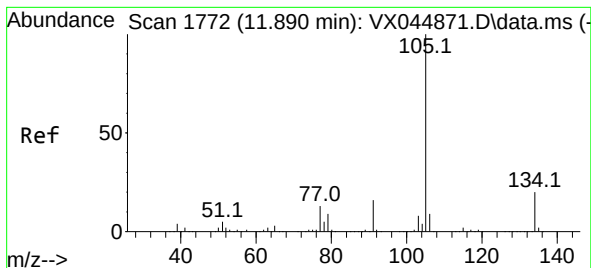
Tgt Ion:119 Resp: 306830
 Ion Ratio Lower Upper
 119 100
 91 58.3 29.1 87.4
 134 23.0 11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 52.085 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX044871.D
 Acq: 10 Feb 2025 11:34

Tgt Ion:105 Resp: 311205
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.4 67.0





#85

sec-Butylbenzene

Concen: 50.657 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

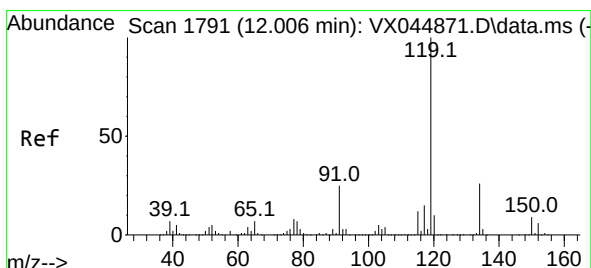
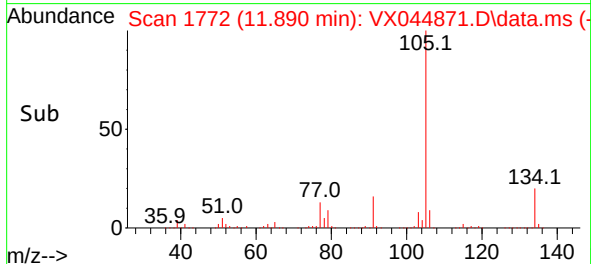
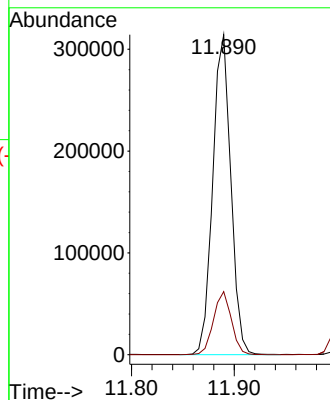
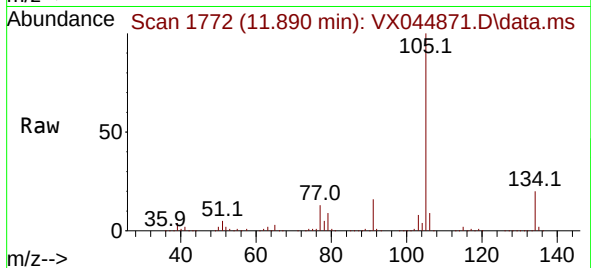
VSTDICCC050

Tgt Ion:105 Resp: 384155

Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.3



#86

p-Isopropyltoluene

Concen: 51.689 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

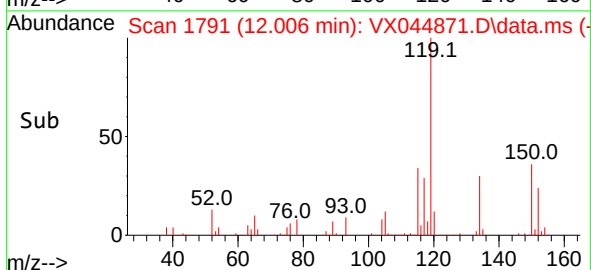
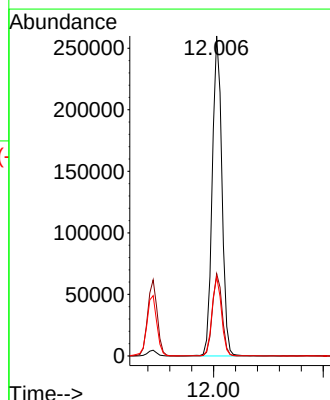
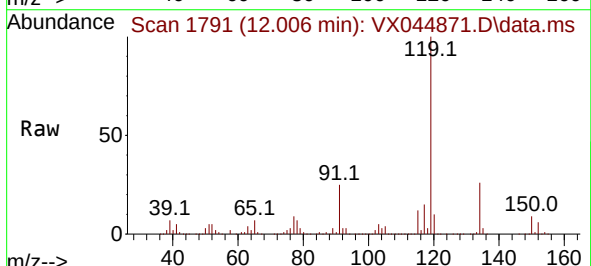
Tgt Ion:119 Resp: 315226

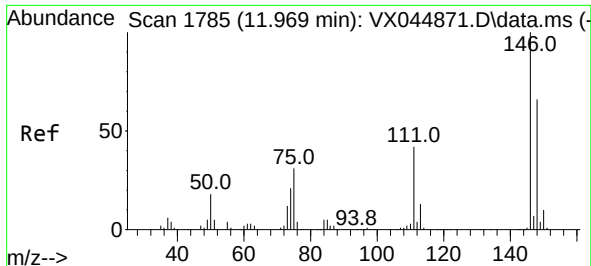
Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 24.2 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 50.021 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

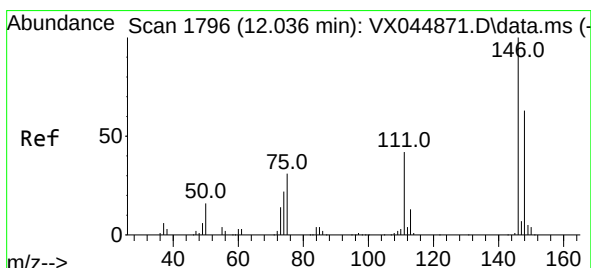
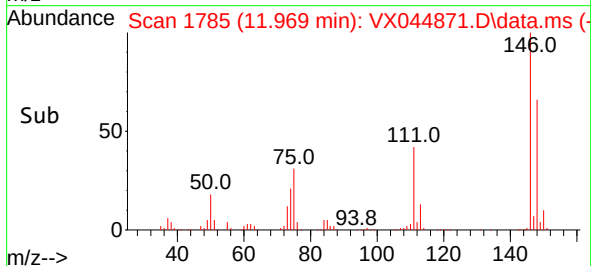
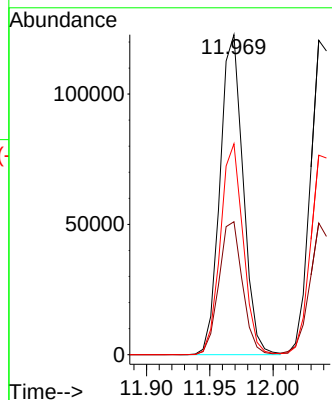
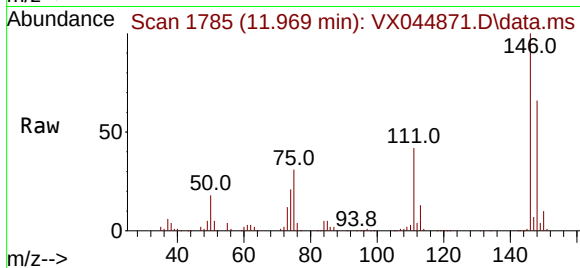
Tgt Ion:146 Resp: 155575

Ion Ratio Lower Upper

146 100

111 42.4 21.2 63.6

148 65.0 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 49.657 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

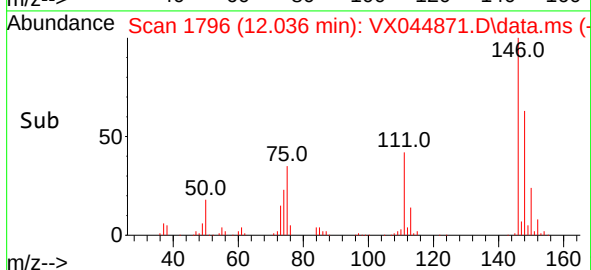
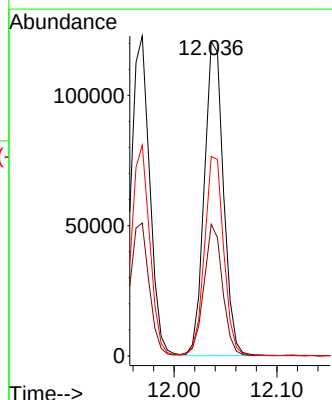
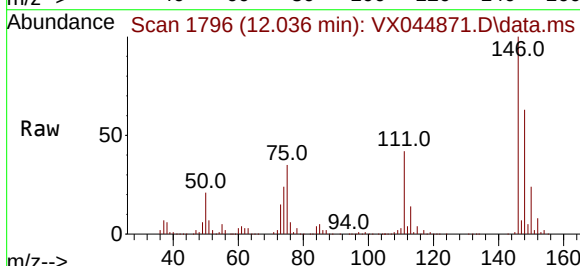
Tgt Ion:146 Resp: 156162

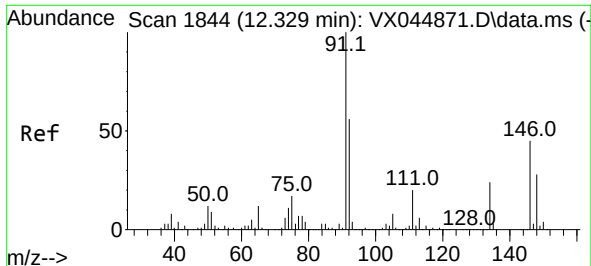
Ion Ratio Lower Upper

146 100

111 40.9 20.4 61.3

148 64.0 32.0 96.0





#89

n-Butylbenzene

Concen: 53.315 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044871.D

Acq: 10 Feb 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

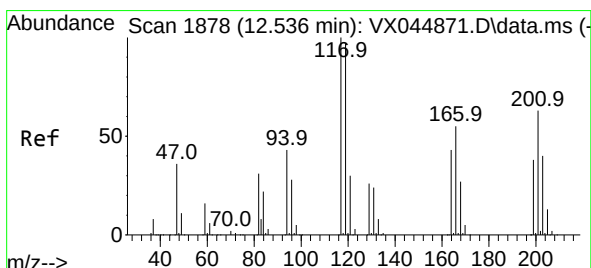
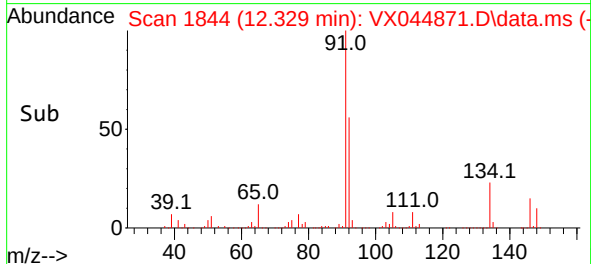
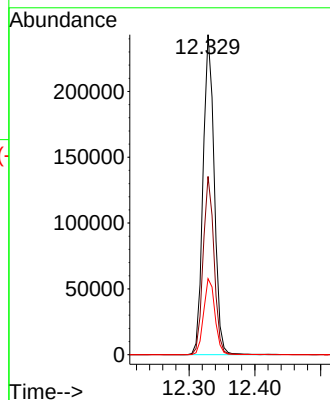
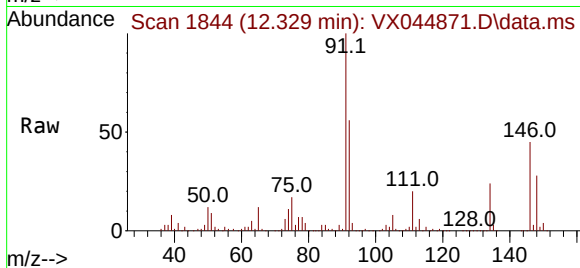
Tgt Ion: 91 Resp: 287649

Ion Ratio Lower Upper

91 100

92 54.4 27.2 81.6

134 24.2 12.1 36.3



#90

Hexachloroethane

Concen: 49.874 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044871.D

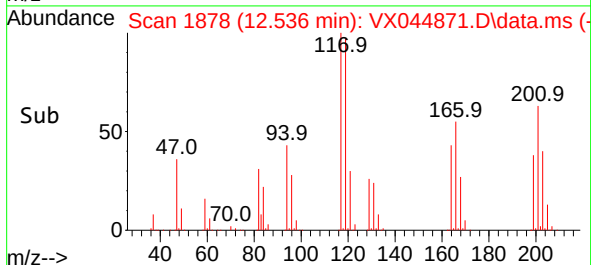
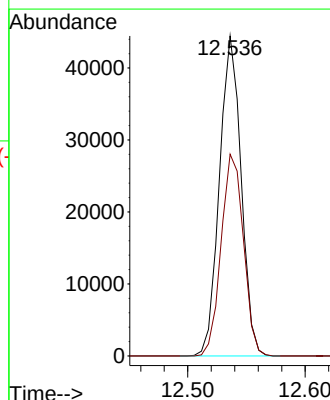
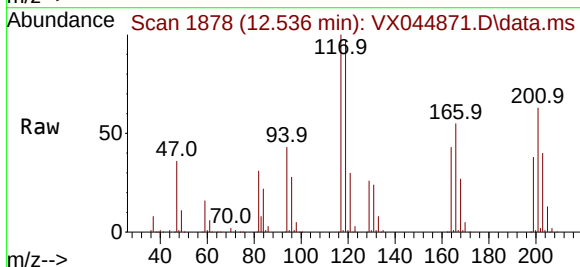
Acq: 10 Feb 2025 11:34

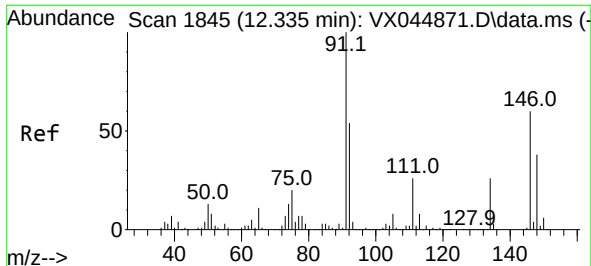
Tgt Ion: 117 Resp: 56951

Ion Ratio Lower Upper

117 100

201 65.0 32.5 97.5

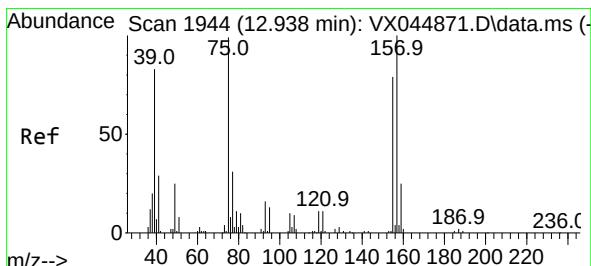
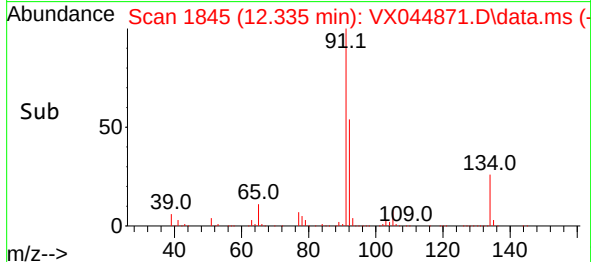
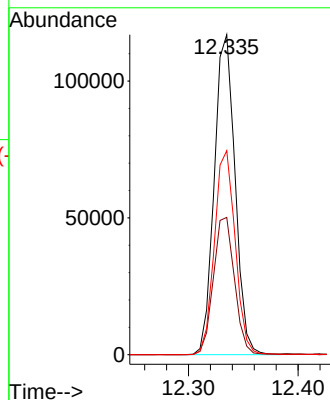
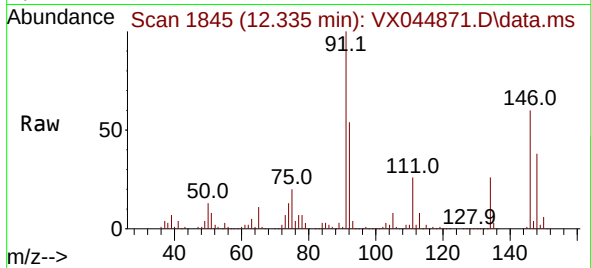




#91
1,2-Dichlorobenzene
Concen: 50.500 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

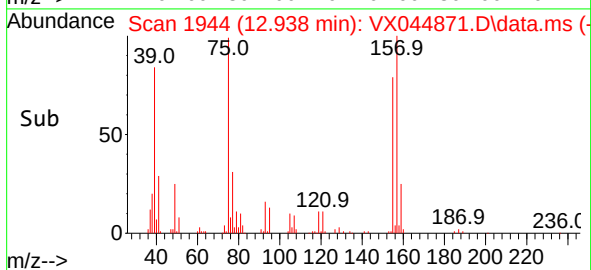
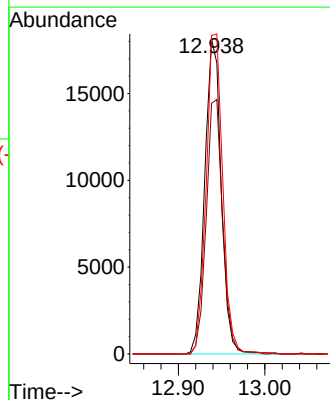
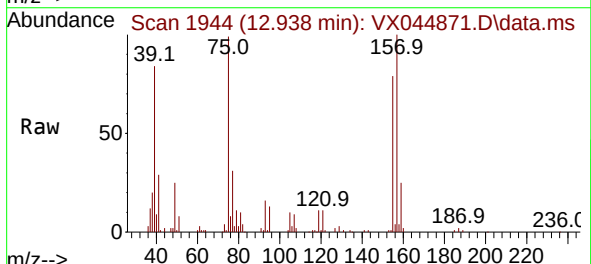
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

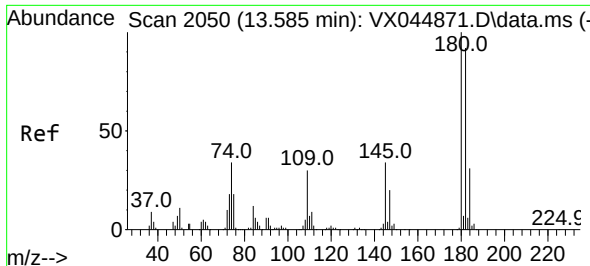
Tgt Ion:146 Resp: 154364
Ion Ratio Lower Upper
146 100
111 43.6 21.8 65.4
148 63.9 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 51.135 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion: 75 Resp: 23924
Ion Ratio Lower Upper
75 100
155 80.9 40.5 121.4
157 102.9 51.4 154.3

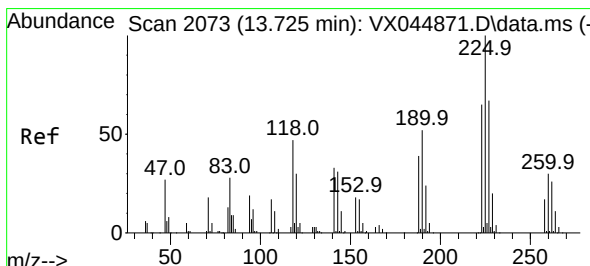
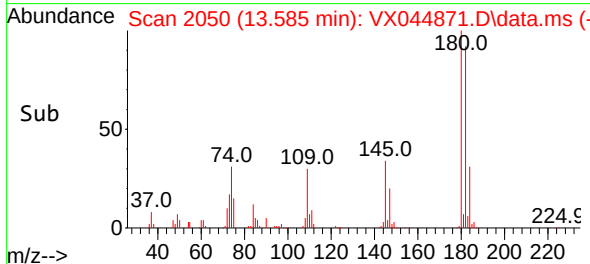
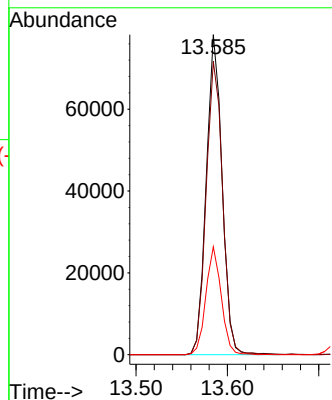
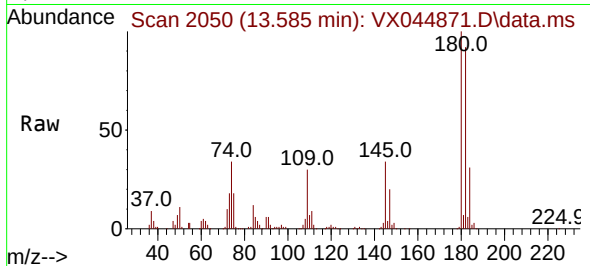




#93
1,2,4-Trichlorobenzene
Concen: 50.747 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

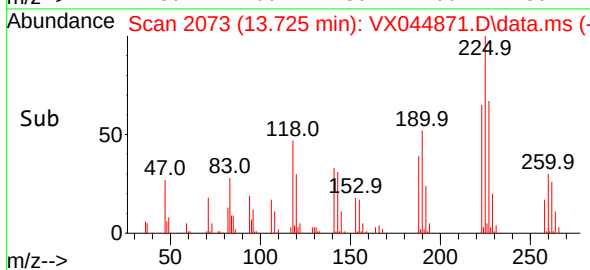
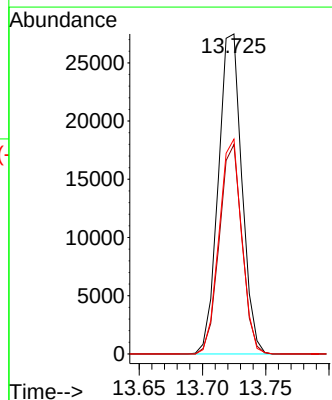
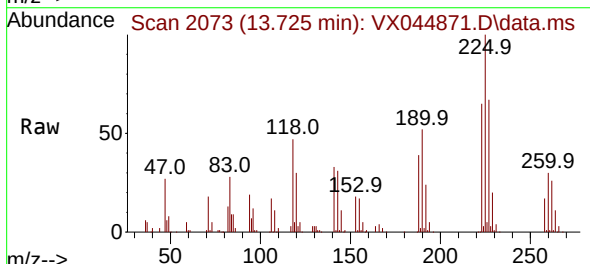
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

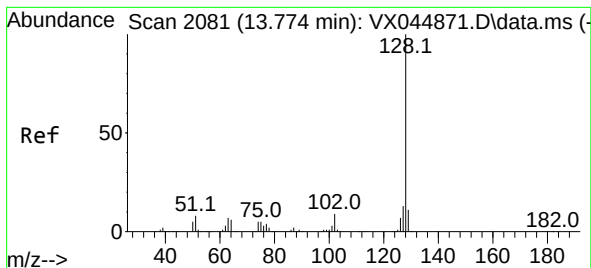
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.8
145	32.7	16.4	49.1



#94
Hexachlorobutadiene
Concen: 48.321 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.2
227	64.5	32.3	96.8

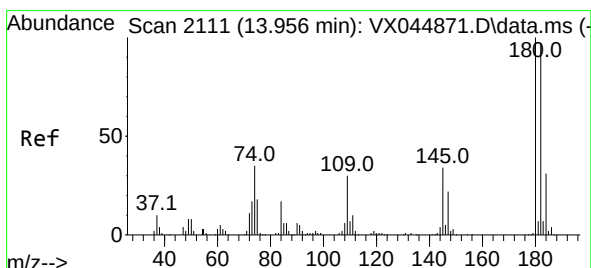
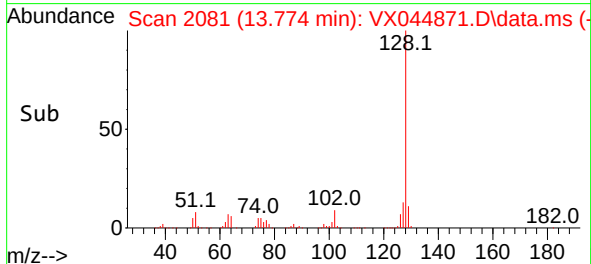
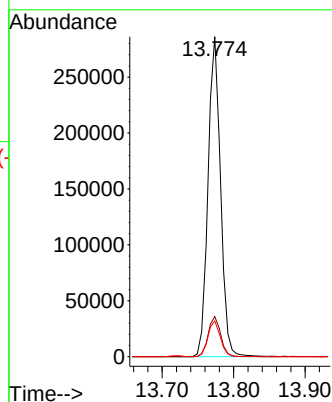
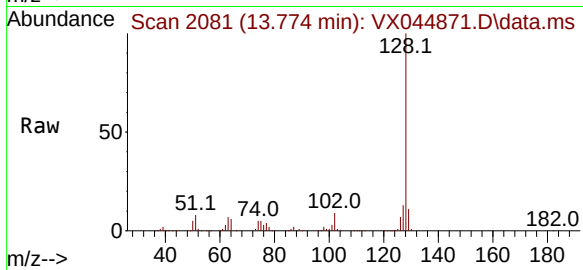




#95
Naphthalene
Concen: 51.995 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

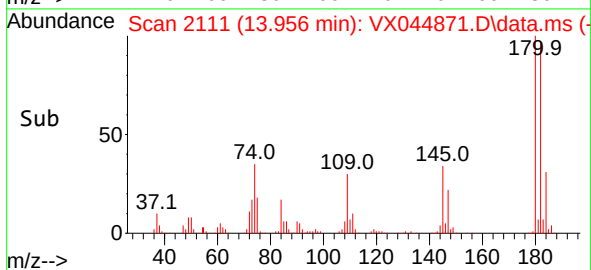
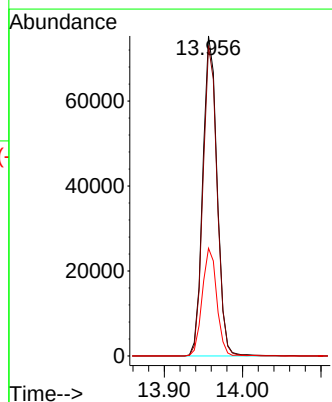
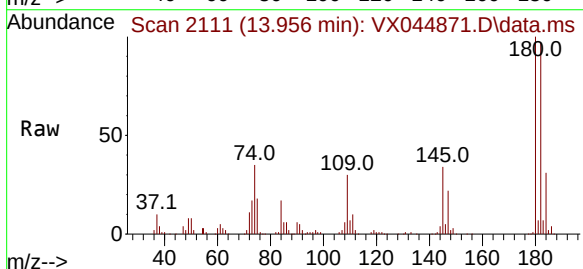
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 347645
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 11.1 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 51.245 ug/l
RT: 13.956 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044871.D
Acq: 10 Feb 2025 11:34

Tgt Ion:180 Resp: 95510
Ion Ratio Lower Upper
180 100
182 95.7 47.9 143.6
145 34.2 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\X021025\
 Data File : VX044872.D
 Acq On : 10 Feb 2025 12:05
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Feb 11 02:01:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	129508	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	236372	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	203881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	91371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	183093	96.580	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 193.160%#	
35) Dibromofluoromethane	5.373	113	151228	98.404	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 196.800%#	
50) Toluene-d8	8.647	98	570976	98.253	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 196.500%#	
62) 4-Bromofluorobenzene	11.079	95	196066	100.079	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 200.160%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	182788	100.632	ug/l	99
3) Chloromethane	1.301	50	208416	94.275	ug/l	99
4) Vinyl Chloride	1.374	62	209017	97.593	ug/l	100
5) Bromomethane	1.593	94	62797	97.984	ug/l	97
6) Chloroethane	1.660	64	64581	100.253	ug/l	98
7) Trichlorofluoromethane	1.868	101	262354	96.865	ug/l	99
8) Diethyl Ether	2.130	74	95914	97.647	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	163414	99.860	ug/l	100
10) Methyl Iodide	2.441	142	212118	100.016	ug/l	99
11) Tert butyl alcohol	3.002	59	165263	469.903	ug/l #	73
12) 1,1-Dichloroethene	2.307	96	163593	98.004	ug/l	98
13) Acrolein	2.233	56	180570	497.628	ug/l	99
14) Allyl chloride	2.654	41	297526	98.624	ug/l	98
15) Acrylonitrile	3.063	53	466855	497.173	ug/l	99
16) Acetone	2.386	43	369720	485.125	ug/l	99
17) Carbon Disulfide	2.502	76	463308	101.216	ug/l	99
18) Methyl Acetate	2.703	43	238689	99.249	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	521003	98.098	ug/l	100
20) Methylene Chloride	2.782	84	180120	96.490	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	164067	99.864	ug/l	95
22) Diisopropyl ether	3.758	45	565927	99.157	ug/l	95
23) Vinyl Acetate	3.715	43	2387200	513.051	ug/l	100
24) 1,1-Dichloroethane	3.599	63	313164	98.064	ug/l	99
25) 2-Butanone	4.550	43	617283	498.801	ug/l	98
26) 2,2-Dichloropropane	4.465	77	248324	98.053	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	196381	99.513	ug/l	99
28) Bromochloromethane	4.885	49	148137	96.524	ug/l	100
29) Tetrahydrofuran	4.995	42	405208	493.104	ug/l	100
30) Chloroform	5.087	83	298690	96.445	ug/l	99
31) Cyclohexane	5.458	56	286830	97.426	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	254941	97.050	ug/l	100
36) 1,1-Dichloropropene	5.684	75	216005	97.422	ug/l	100
37) Ethyl Acetate	4.709	43	244164	99.005	ug/l	99
38) Carbon Tetrachloride	5.666	117	210381	96.828	ug/l	97
39) Methylcyclohexane	7.373	83	299703	104.554	ug/l	98
40) Benzene	6.025	78	675556	97.576	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044872.D
 Acq On : 10 Feb 2025 12:05
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Feb 11 02:01:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	135629	102.745	ug/l	99
42) 1,2-Dichloroethane	6.080	62	218174	98.875	ug/l	100
43) Isopropyl Acetate	6.336	43	405489	101.818	ug/l	100
44) Trichloroethene	7.117	130	156832	99.103	ug/l	96
45) 1,2-Dichloropropane	7.422	63	170337	98.893	ug/l	97
46) Dibromomethane	7.574	93	119149	99.747	ug/l	100
47) Bromodichloromethane	7.818	83	236506	102.254	ug/l	97
48) Methyl methacrylate	7.690	41	195892	104.321	ug/l	100
49) 1,4-Dioxane	7.659	88	77816	1931.508	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	1196887	494.353	ug/l	100
52) Toluene	8.714	92	409318	99.270	ug/l	99
53) t-1,3-Dichloropropene	8.970	75	249725	106.694	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	277371	106.287	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	156629	98.817	ug/l	100
56) Ethyl methacrylate	9.116	69	268693	104.958	ug/l	99
57) 1,3-Dichloropropane	9.305	76	273845	98.742	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	664198	528.405	ug/l	100
59) 2-Hexanone	9.427	43	871904	499.819	ug/l	99
60) Dibromochloromethane	9.519	129	173848	102.557	ug/l	100
61) 1,2-Dibromoethane	9.604	107	162982	101.451	ug/l	98
64) Tetrachloroethene	9.269	164	125294	97.447	ug/l	100
65) Chlorobenzene	10.073	112	436565	99.694	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	144793	102.728	ug/l	100
67) Ethyl Benzene	10.189	91	784184	101.477	ug/l	100
68) m/p-Xylenes	10.299	106	575559	201.907	ug/l	99
69) o-Xylene	10.640	106	281830	98.530	ug/l	100
70) Styrene	10.653	104	473403	102.728	ug/l	99
71) Bromoform	10.799	173	112371	106.827	ug/l #	99
73) Isopropylbenzene	10.957	105	719923	97.854	ug/l	99
74) N-amyl acetate	10.842	43	345193	103.687	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	238529	94.351	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	265118	130.869	ug/l	82
77) Bromobenzene	11.195	156	163845	98.230	ug/l	100
78) n-propylbenzene	11.299	91	858793	101.132	ug/l	100
79) 2-Chlorotoluene	11.360	91	497149	95.257	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	584885	97.966	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	83483	106.006	ug/l	98
82) 4-Chlorotoluene	11.451	91	569510	98.634	ug/l	100
83) tert-Butylbenzene	11.713	119	591396	97.917	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	588385	99.851	ug/l	99
85) sec-Butylbenzene	11.890	105	749534	100.219	ug/l	99
86) p-Isopropyltoluene	12.006	119	607577	101.019	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	303851	99.061	ug/l	98
88) 1,4-Dichlorobenzene	12.037	146	303417	97.830	ug/l	99
89) n-Butylbenzene	12.329	91	583634	109.686	ug/l	100
90) Hexachloroethane	12.536	117	117533	104.365	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	293151	97.244	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	47745	103.477	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	193214	105.921	ug/l	99
94) Hexachlorobutadiene	13.725	225	74605	103.024	ug/l	99
95) Naphthalene	13.774	128	689104	104.505	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	190534	103.659	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044872.D
Acq On : 10 Feb 2025 12:05
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

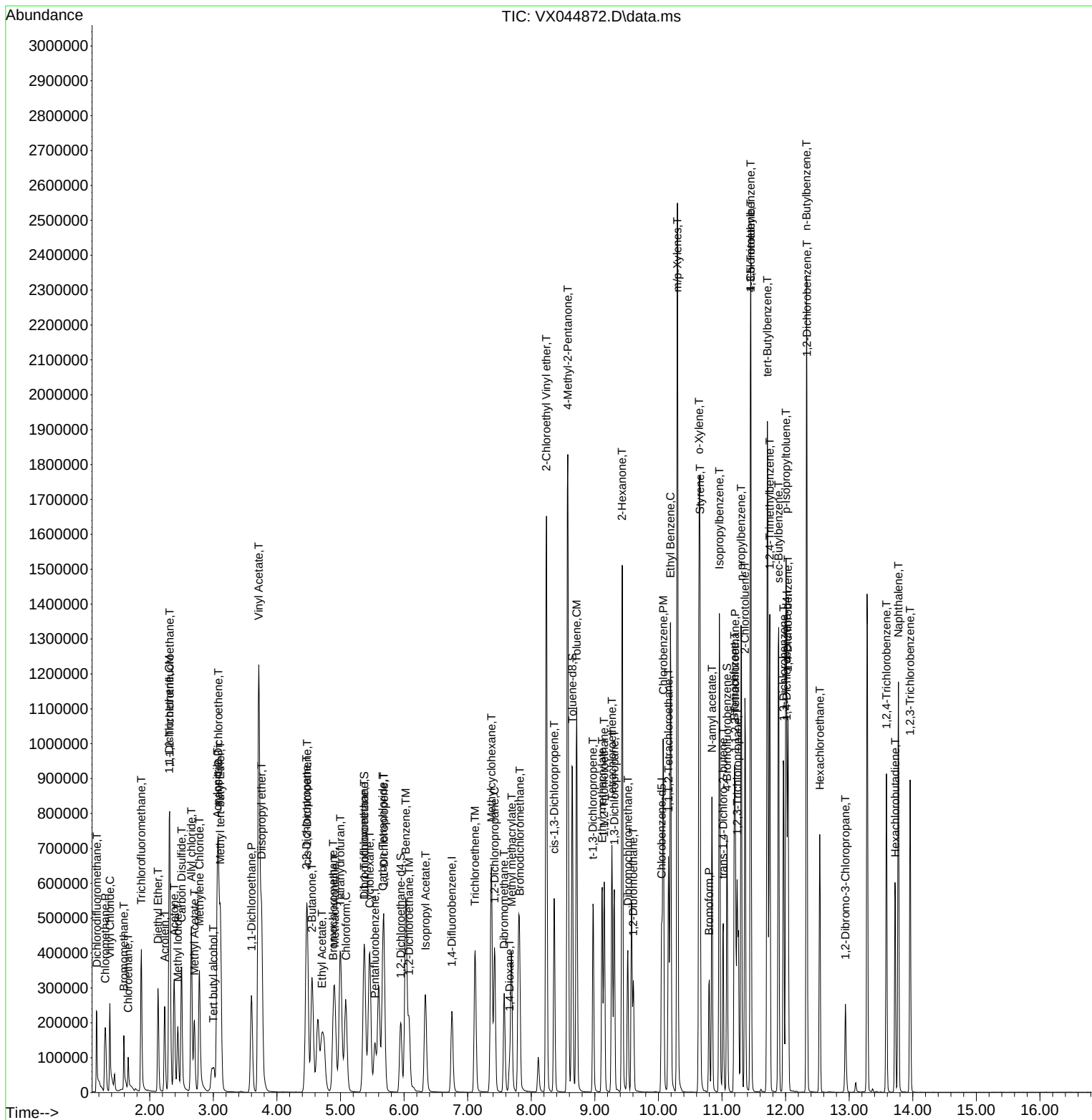
Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

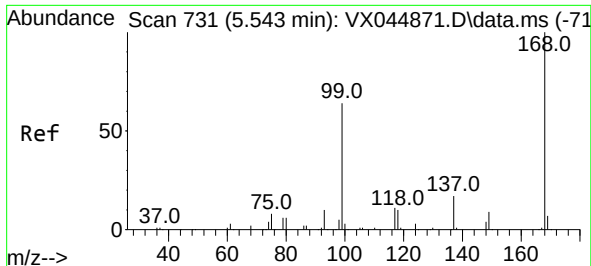
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: Feb 11 02:01:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

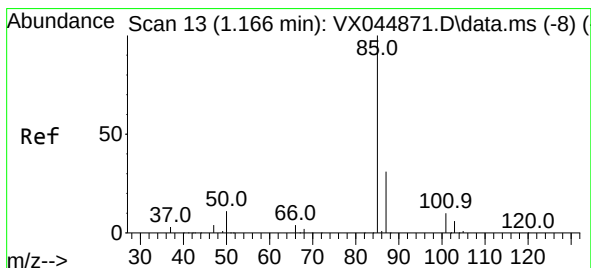
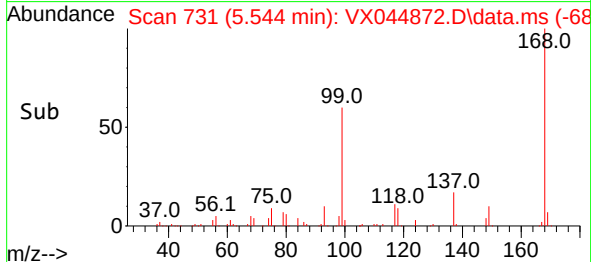
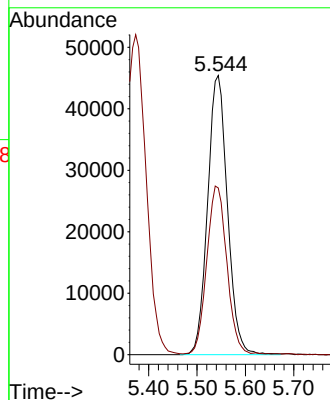
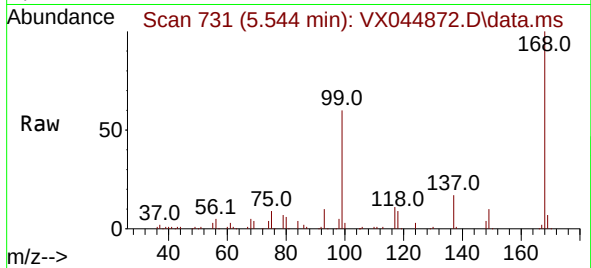




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

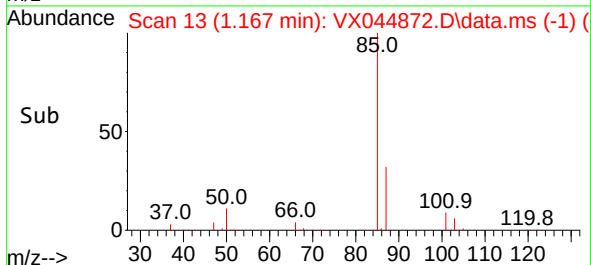
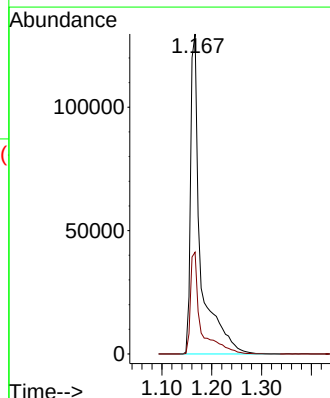
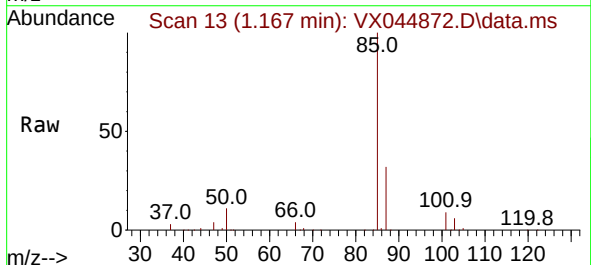
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

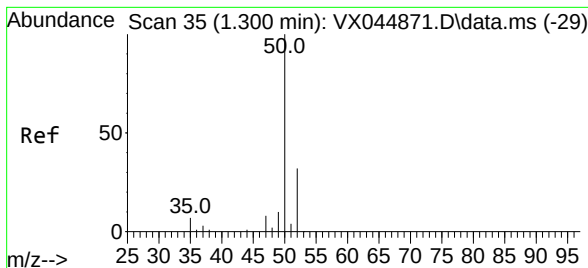
Tgt Ion:168 Resp: 129508
Ion Ratio Lower Upper
168 100
99 59.4 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 100.632 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 85 Resp: 182788
Ion Ratio Lower Upper
85 100
87 31.8 15.8 47.3

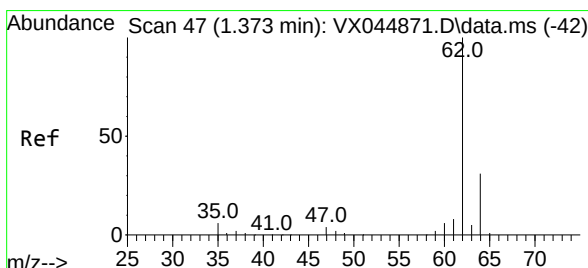
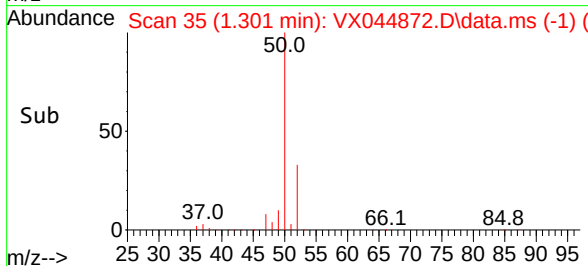
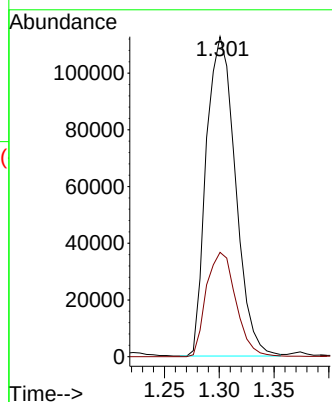
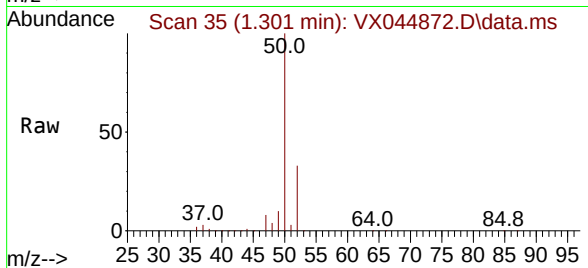




#3
Chloromethane
Concen: 94.275 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

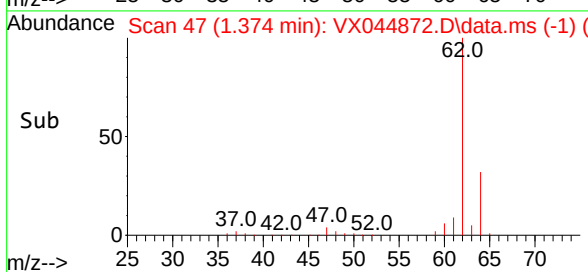
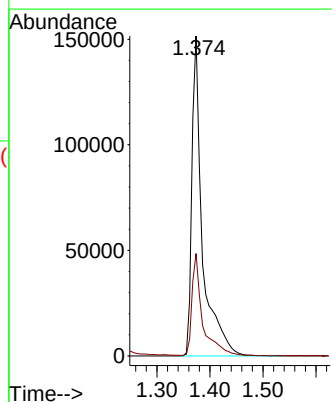
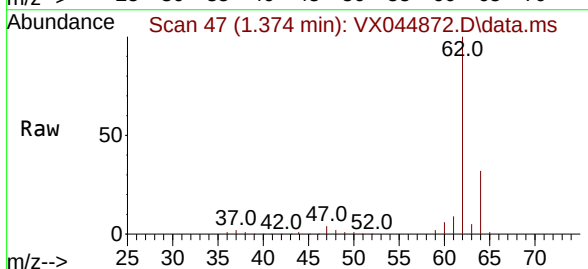
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

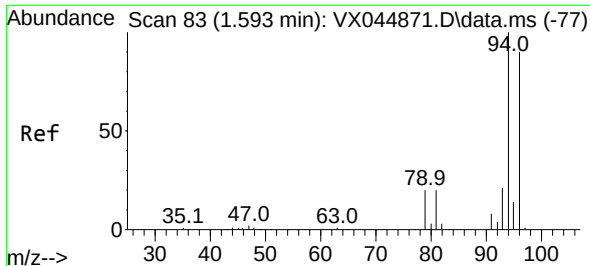
Tgt Ion: 50 Resp: 208416
Ion Ratio Lower Upper
50 100
52 32.7 25.9 38.9



#4
Vinyl Chloride
Concen: 97.593 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 62 Resp: 209017
Ion Ratio Lower Upper
62 100
64 31.9 25.4 38.0

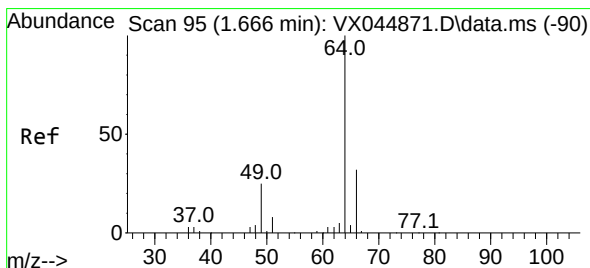
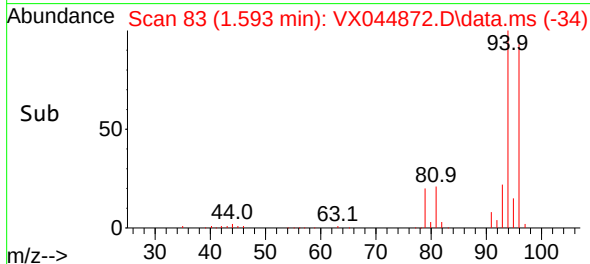
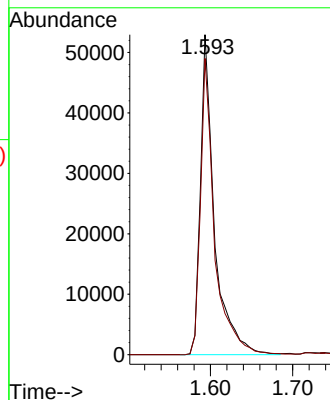
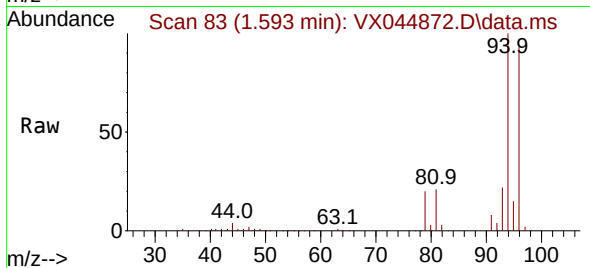




#5
Bromomethane
Concen: 97.984 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

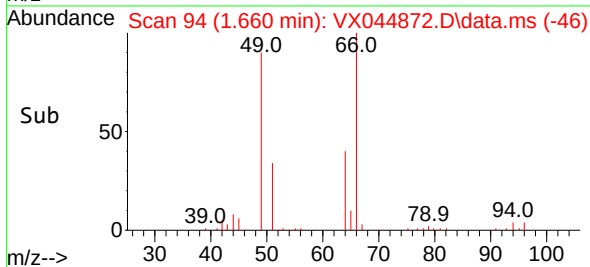
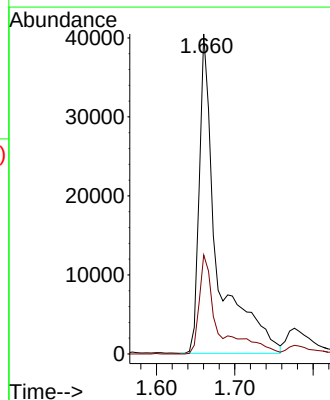
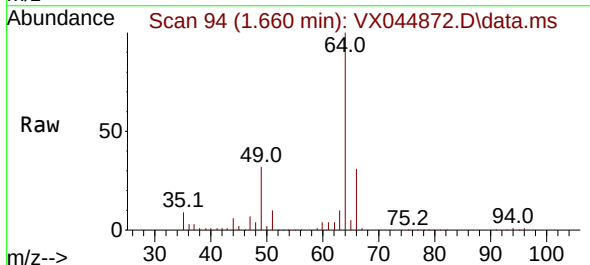
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

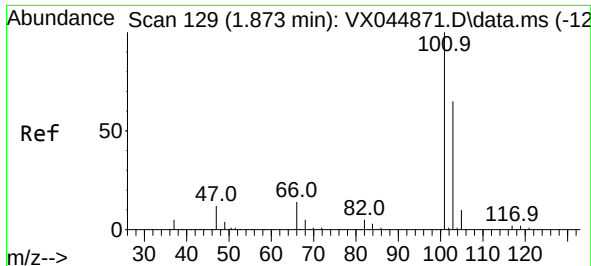
Tgt Ion: 94 Resp: 62797
Ion Ratio Lower Upper
94 100
96 92.6 71.6 107.4



#6
Chloroethane
Concen: 100.253 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 64 Resp: 64581
Ion Ratio Lower Upper
64 100
66 31.0 25.9 38.9

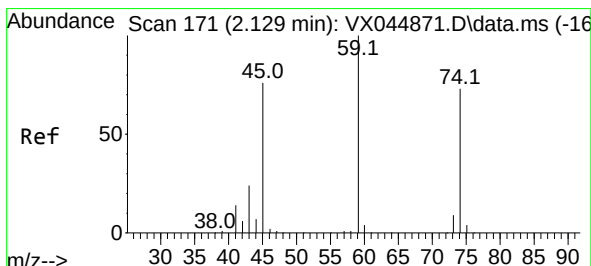
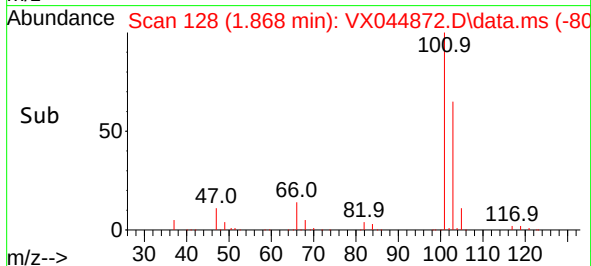
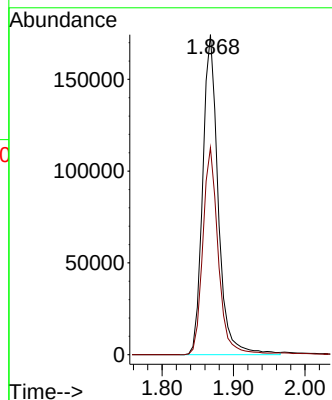
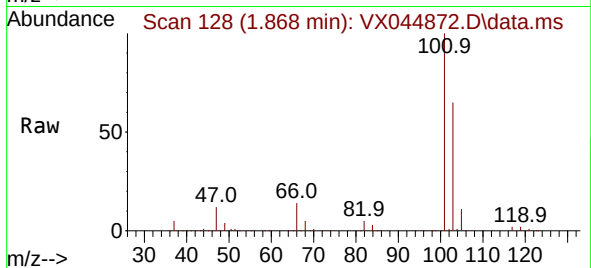




#7
Trichlorofluoromethane
Concen: 96.865 ug/l
RT: 1.868 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

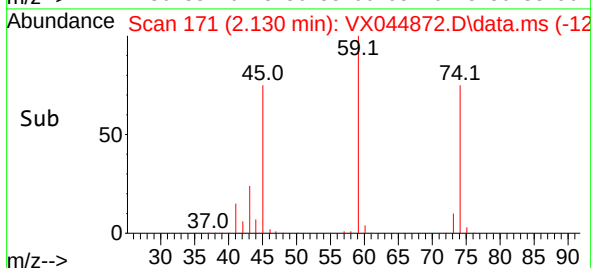
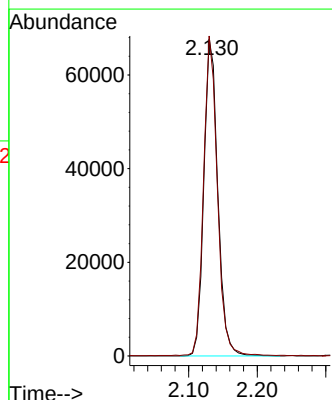
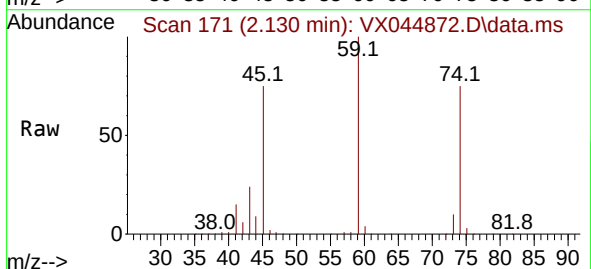
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

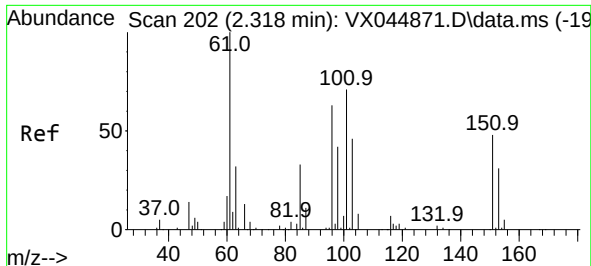
Tgt Ion:101 Resp: 262354
Ion Ratio Lower Upper
101 100
103 64.7 52.4 78.6



#8
Diethyl Ether
Concen: 97.647 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 74 Resp: 95914
Ion Ratio Lower Upper
74 100
45 99.5 51.1 153.4

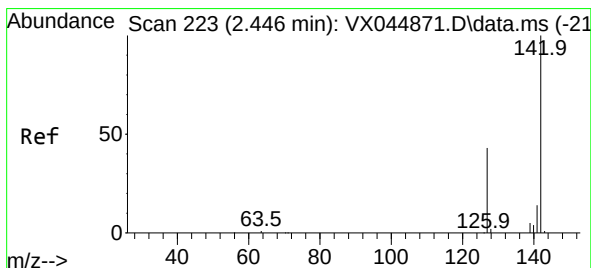
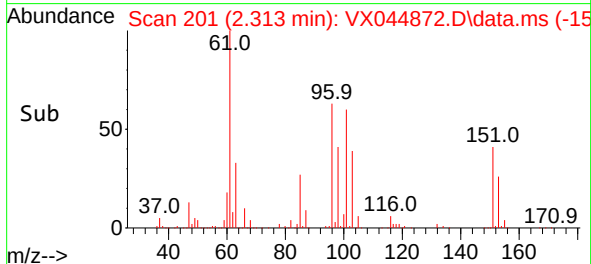
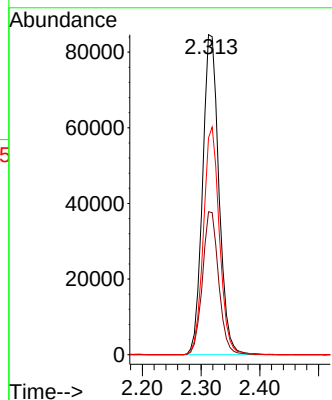
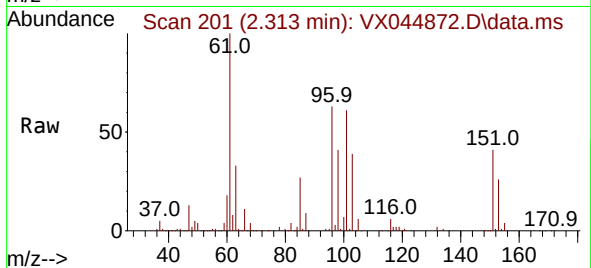




#9
1,1,2-Trichlorotrifluoroethane
Concen: 99.860 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

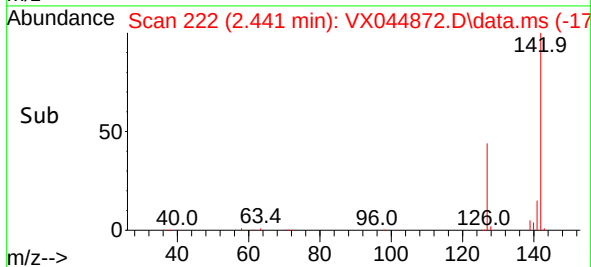
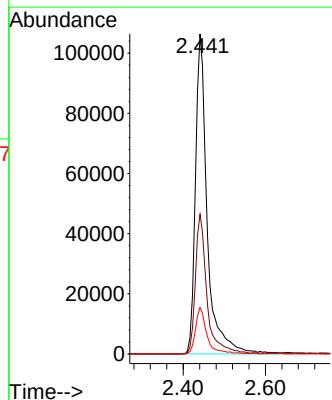
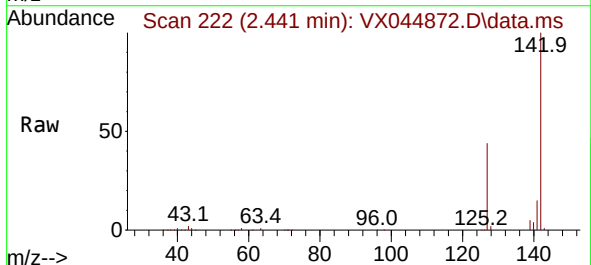
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

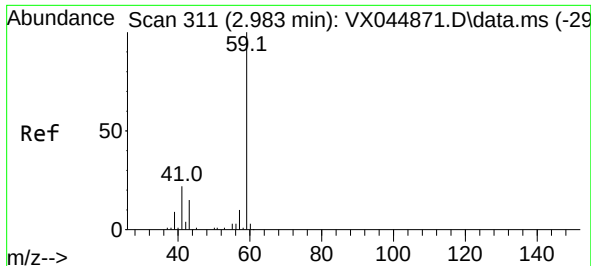
Tgt Ion:101 Resp: 163414
Ion Ratio Lower Upper
101 100
85 44.3 35.7 53.5
151 69.8 56.0 84.0



#10
Methyl Iodide
Concen: 100.016 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:142 Resp: 212118
Ion Ratio Lower Upper
142 100
127 42.5 34.3 51.5
141 14.1 11.4 17.2

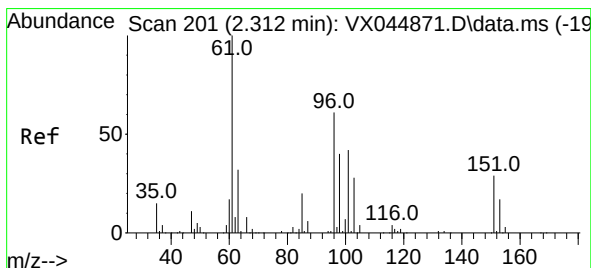
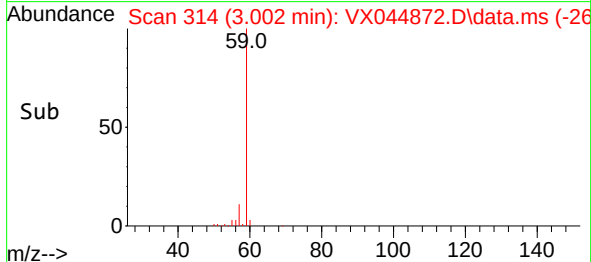
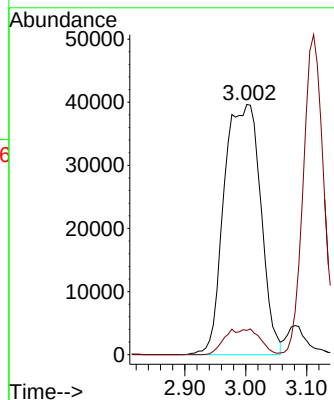
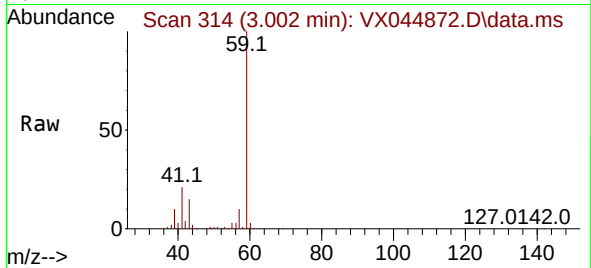




#11
Tert butyl alcohol
Concen: 469.903 ug/l
RT: 3.002 min Scan# 311
Delta R.T. 0.019 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

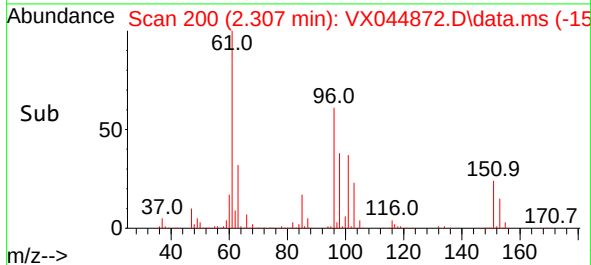
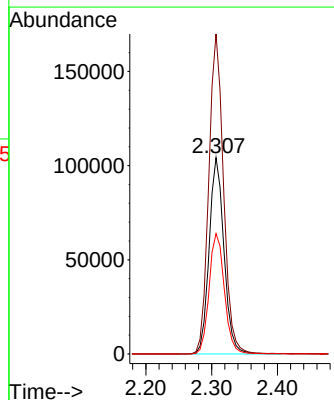
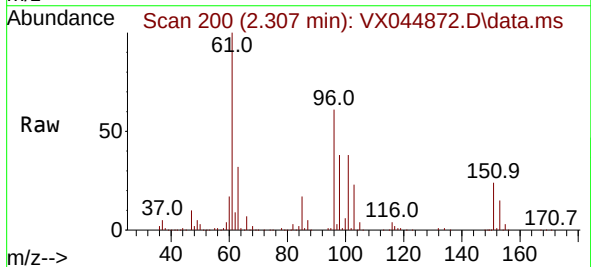
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

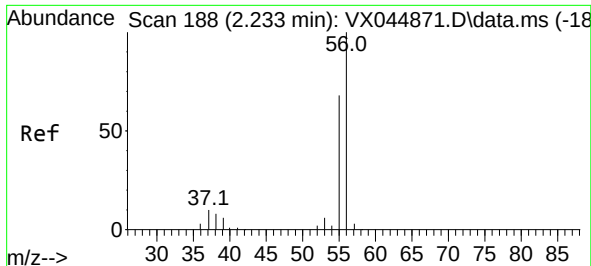
Tgt Ion: 59 Resp: 165263
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#12
1,1-Dichloroethene
Concen: 98.004 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 96 Resp: 163593
Ion Ratio Lower Upper
96 100
61 162.9 130.2 195.4
98 61.3 52.2 78.4

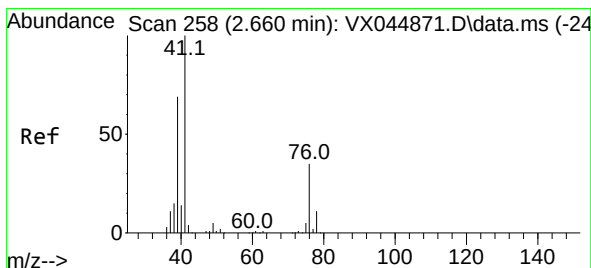
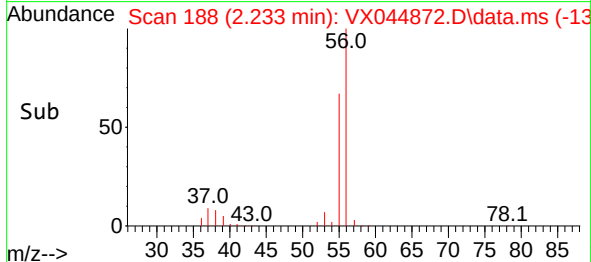
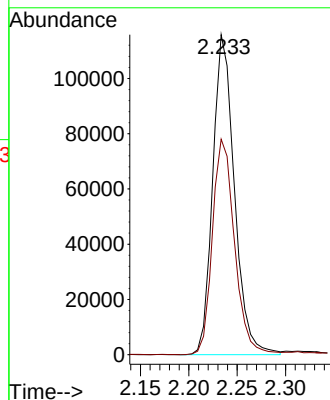
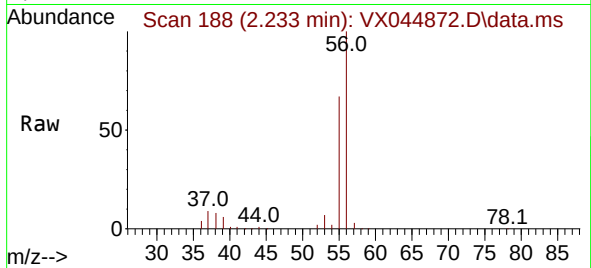




#13
Acrolein
Concen: 497.628 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

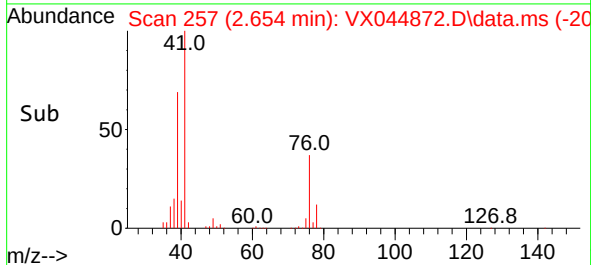
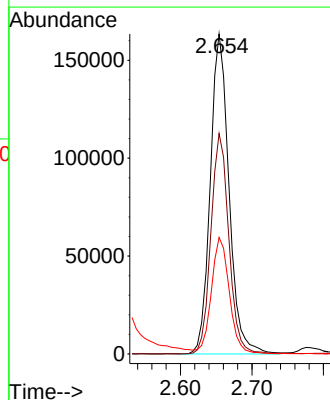
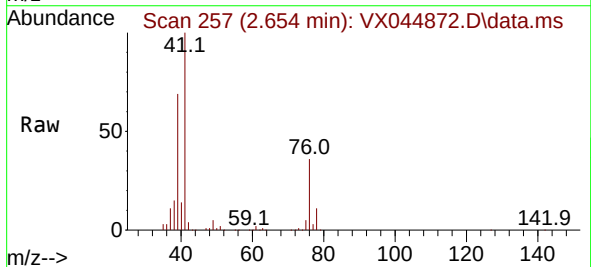
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

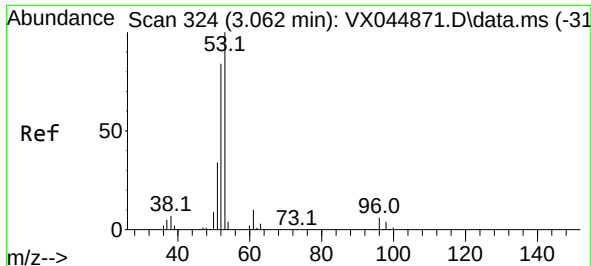
Tgt Ion: 56 Resp: 180570
Ion Ratio Lower Upper
56 100
55 68.9 55.7 83.5



#14
Allyl chloride
Concen: 98.624 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 41 Resp: 297526
Ion Ratio Lower Upper
41 100
39 65.6 51.4 77.2
76 34.9 27.0 40.4

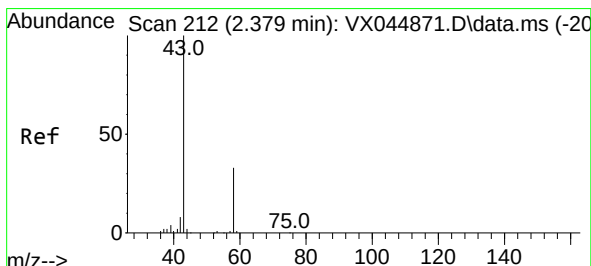
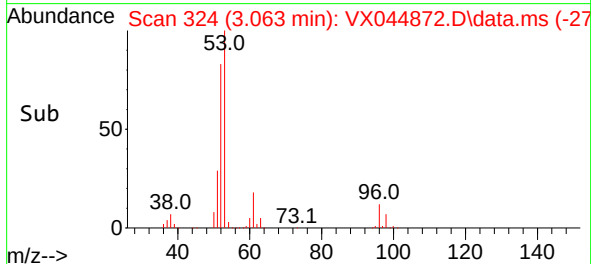
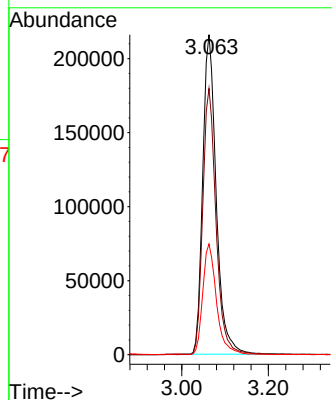
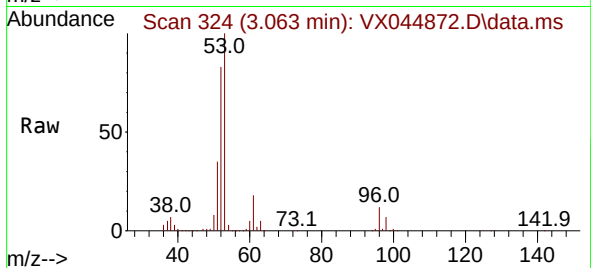




#15
Acrylonitrile
Concen: 497.173 ug/l
RT: 3.063 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

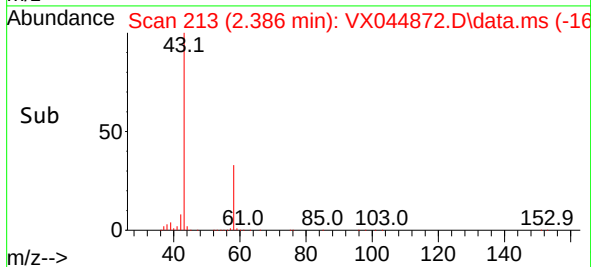
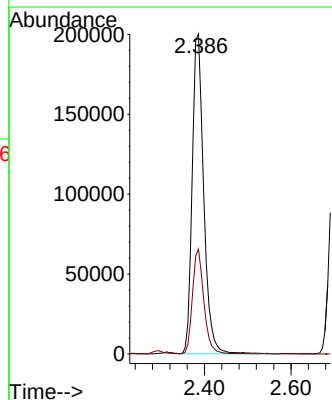
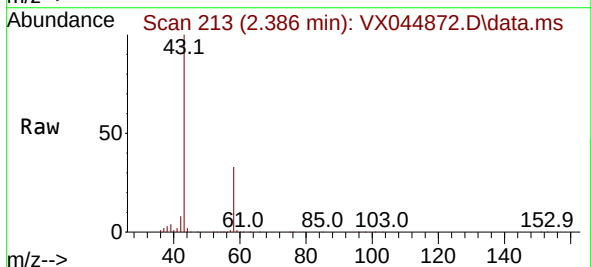
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

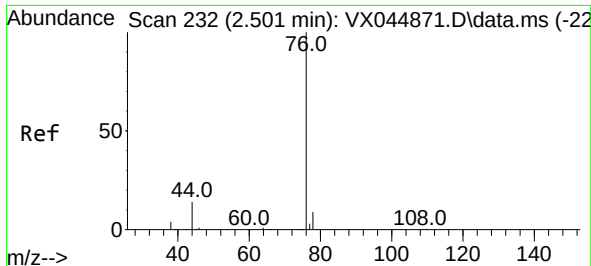
Tgt Ion: 53 Resp: 466855
Ion Ratio Lower Upper
53 100
52 82.4 65.0 97.6
51 34.9 28.0 42.0



#16
Acetone
Concen: 485.125 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.007 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 369720
Ion Ratio Lower Upper
43 100
58 32.8 26.5 39.7

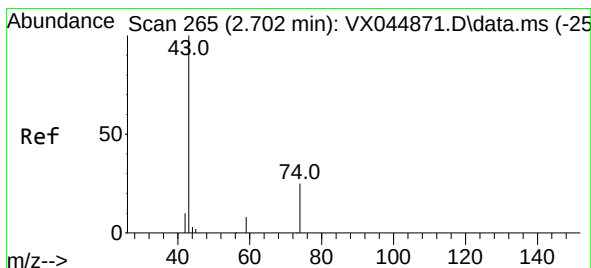
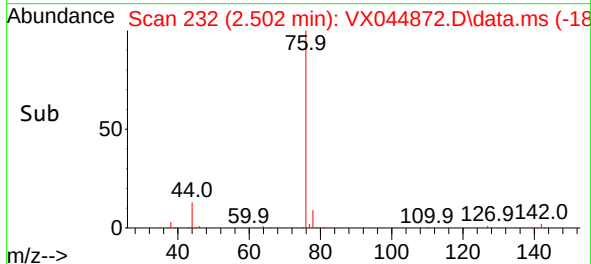
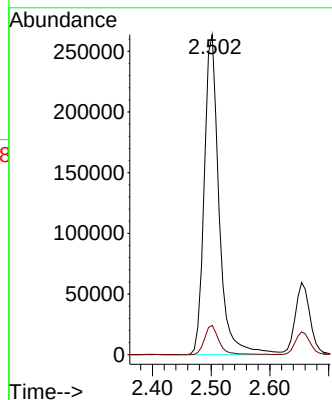
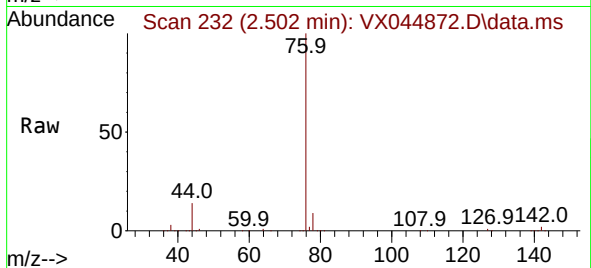




#17
Carbon Disulfide
Concen: 101.216 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

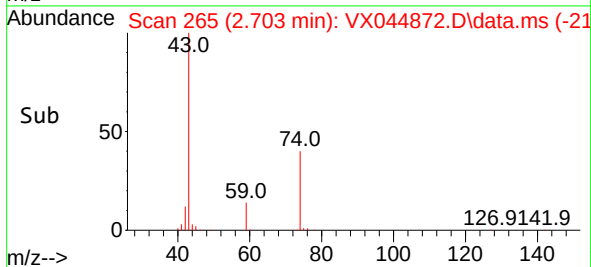
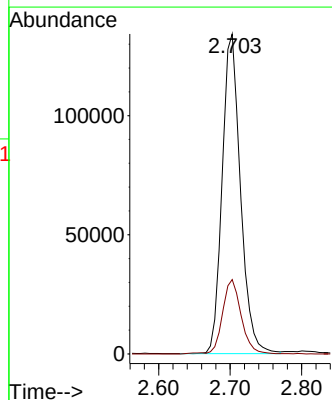
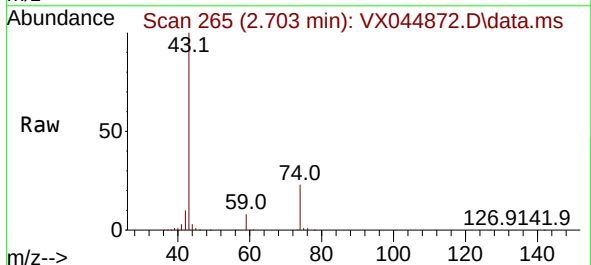
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

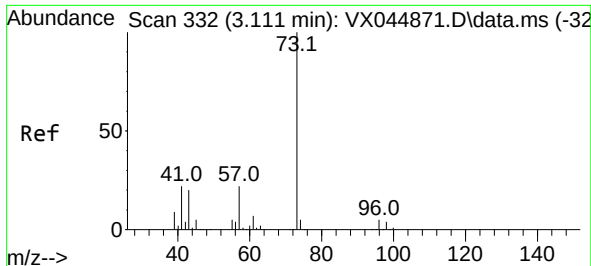
Tgt Ion: 76 Resp: 463308
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.4



#18
Methyl Acetate
Concen: 99.249 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 238689
Ion Ratio Lower Upper
43 100
74 23.8 18.9 28.3

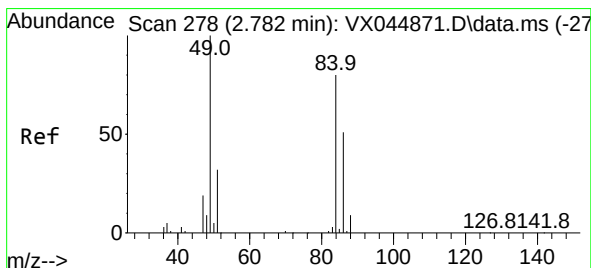
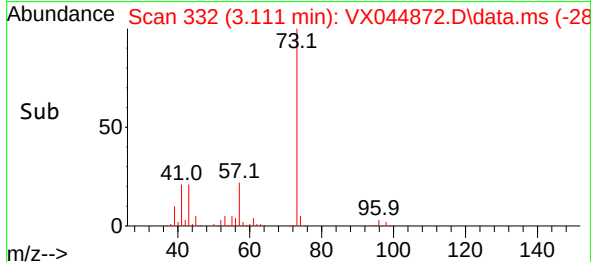
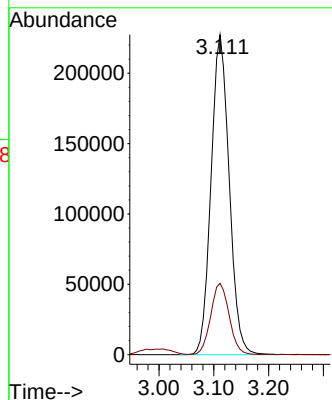
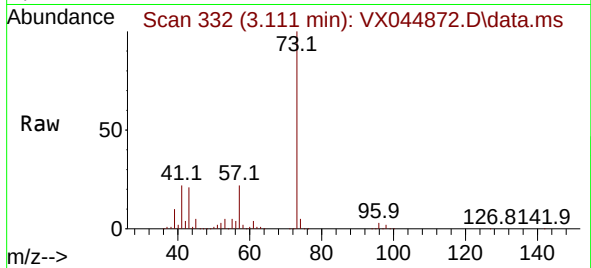




#19
Methyl tert-butyl Ether
Concen: 98.098 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

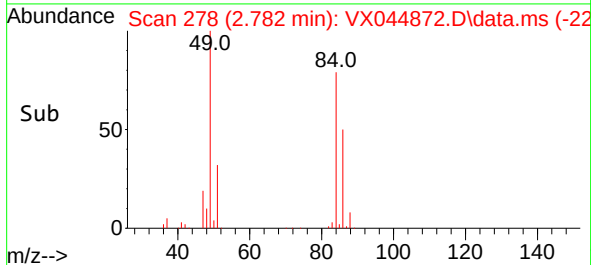
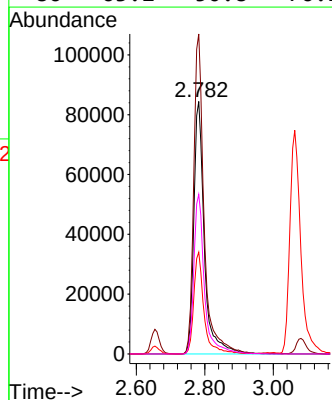
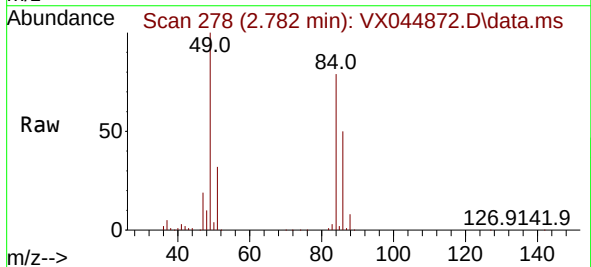
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

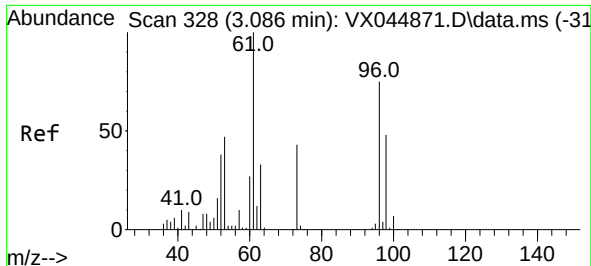
Tgt Ion: 73 Resp: 521003
Ion Ratio Lower Upper
73 100
57 22.3 17.9 26.9



#20
Methylene Chloride
Concen: 96.490 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 84 Resp: 180120
Ion Ratio Lower Upper
84 100
49 126.7 100.1 150.1
51 40.3 31.7 47.5
86 63.2 50.8 76.2

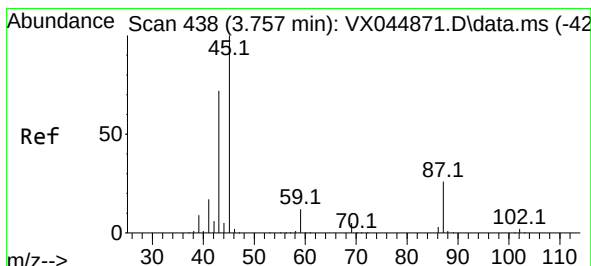
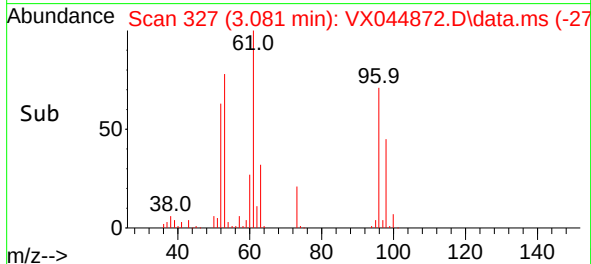
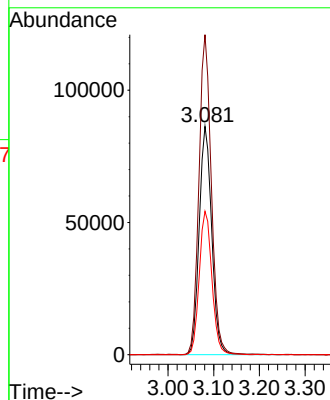
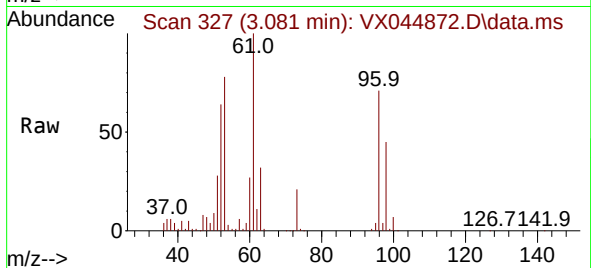




#21
trans-1,2-Dichloroethene
Concen: 99.864 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

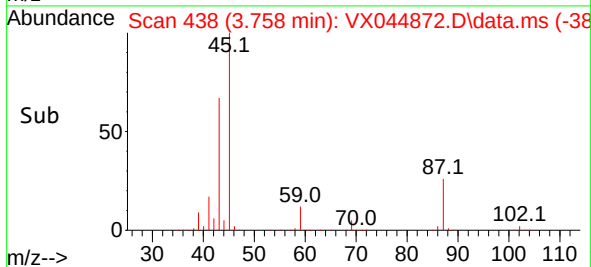
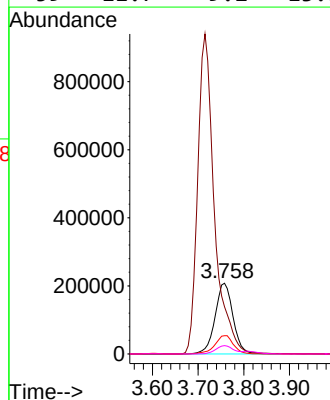
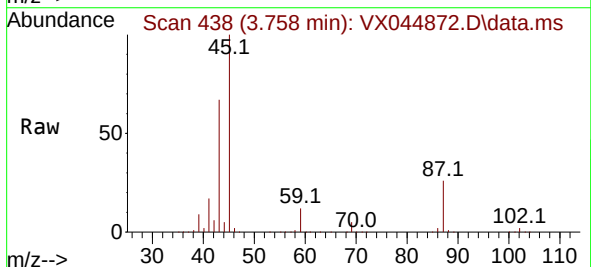
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

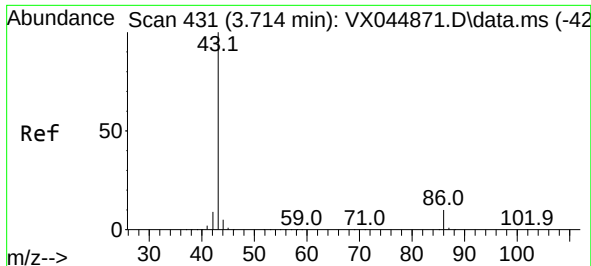
Tgt Ion: 96 Resp: 164067
Ion Ratio Lower Upper
96 100
61 140.2 106.0 159.0
98 62.8 50.6 76.0



#22
Diisopropyl ether
Concen: 99.157 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 45 Resp: 565927
Ion Ratio Lower Upper
45 100
43 66.7 58.0 87.0
87 25.7 20.7 31.1
59 11.7 9.2 13.8

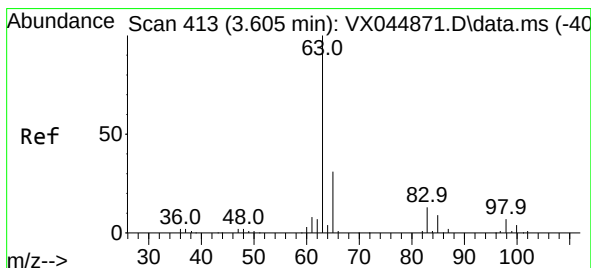
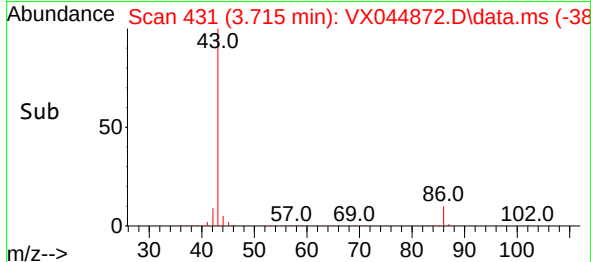
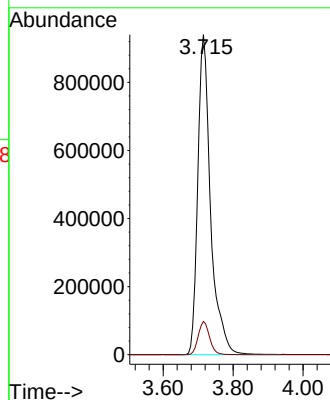
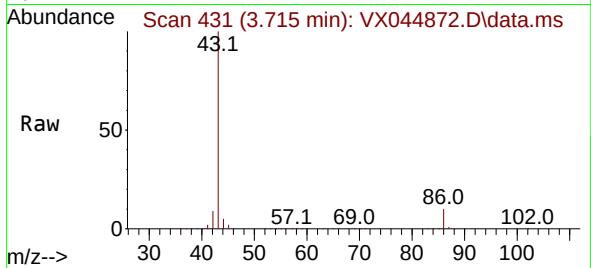




#23
 Vinyl Acetate
 Concen: 513.051 ug/l
 RT: 3.715 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX044872.D
 Acq: 10 Feb 2025 12:05

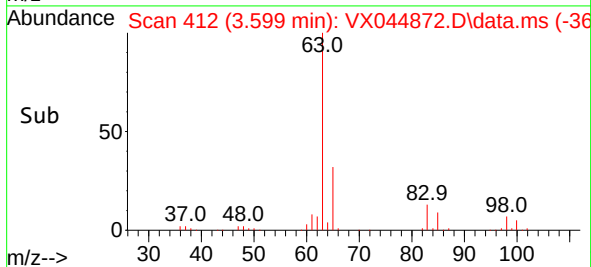
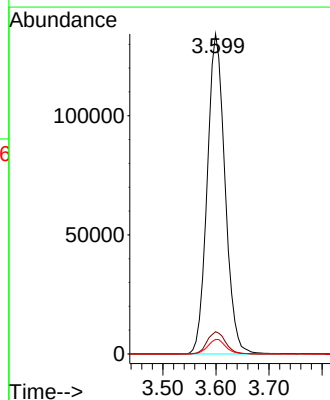
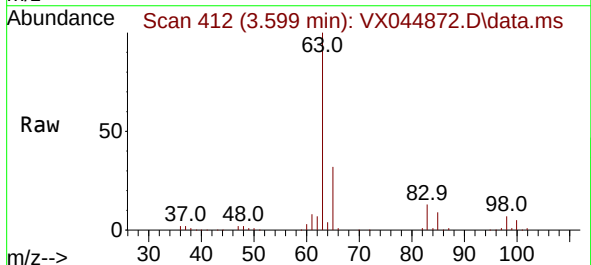
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

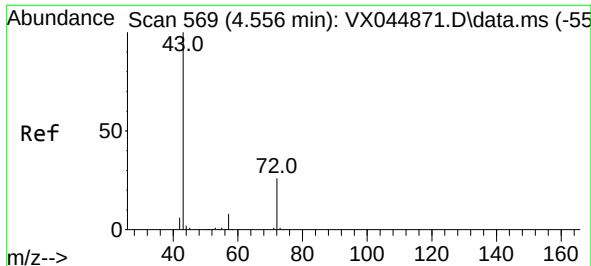
Tgt Ion: 43 Resp: 2387200
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 98.064 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. -0.006 min
 Lab File: VX044872.D
 Acq: 10 Feb 2025 12:05

Tgt Ion: 63 Resp: 313164
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.3 9.9
 100 4.5 2.1 6.5

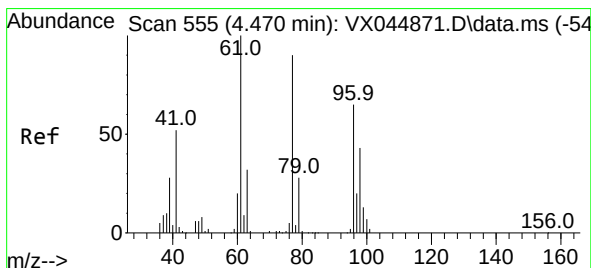
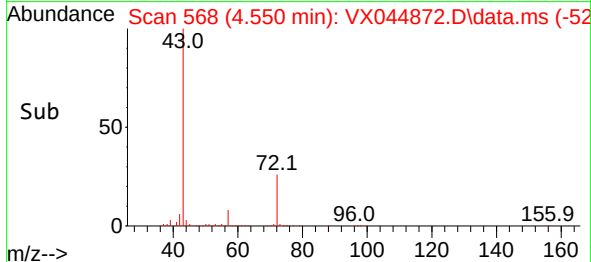
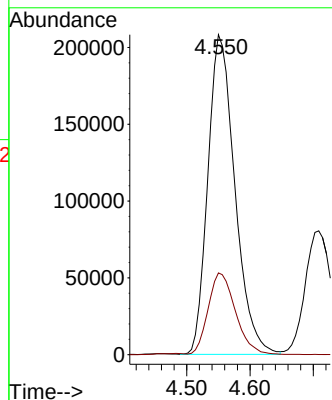
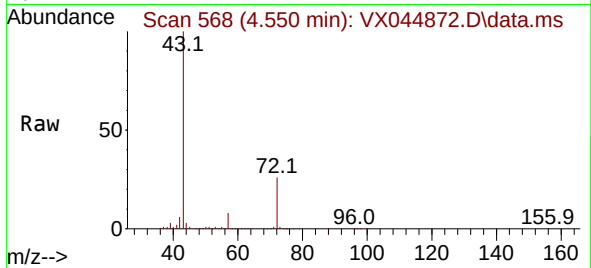




#25
2-Butanone
Concen: 498.801 ug/l
RT: 4.550 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

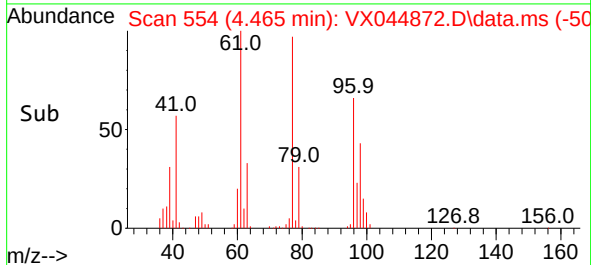
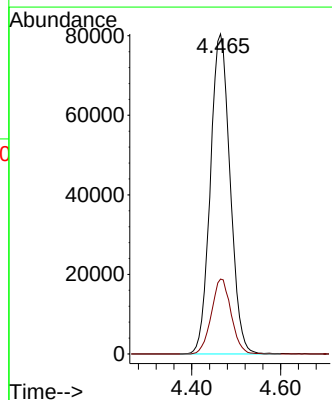
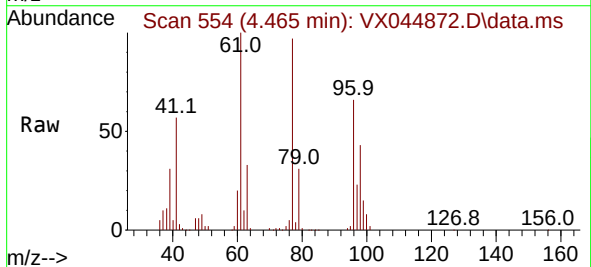
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

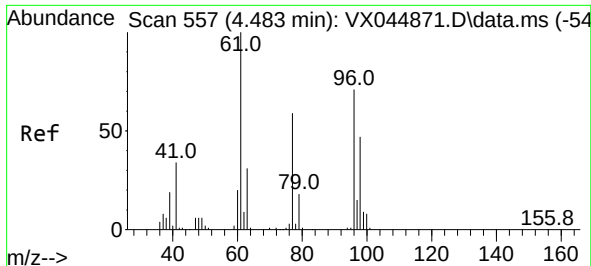
Tgt Ion: 43 Resp: 617283
Ion Ratio Lower Upper
43 100
72 25.4 21.2 31.8



#26
2,2-Dichloropropane
Concen: 98.053 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 77 Resp: 248324
Ion Ratio Lower Upper
77 100
97 23.3 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 99.513 ug/l

RT: 4.477 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

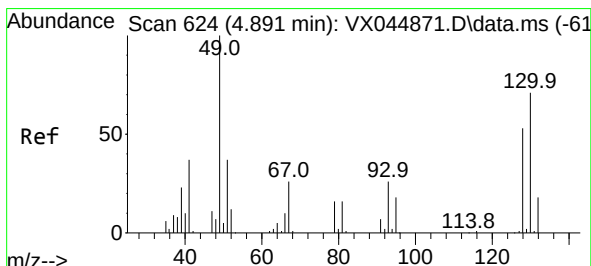
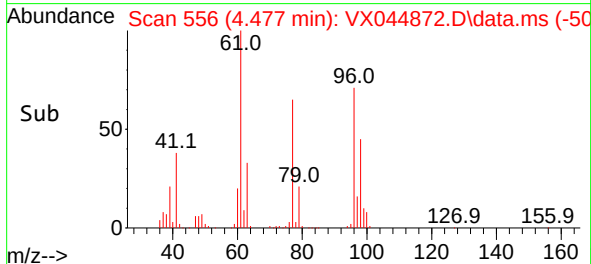
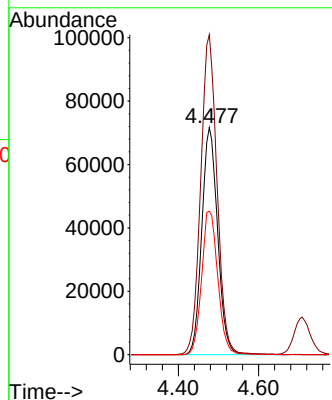
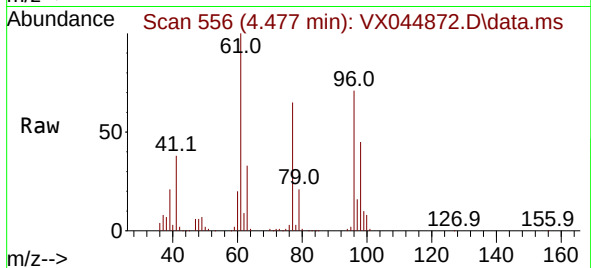
Tgt Ion: 96 Resp: 196381

Ion Ratio Lower Upper

96 100

61 145.1 0.0 294.0

98 64.6 0.0 131.2



#28

Bromochloromethane

Concen: 96.524 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

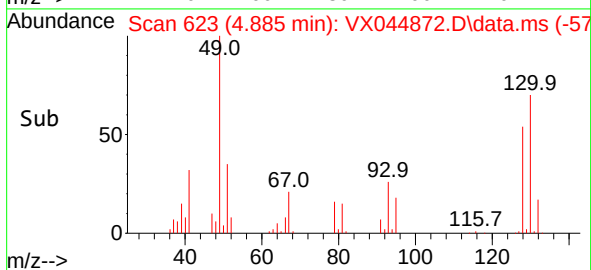
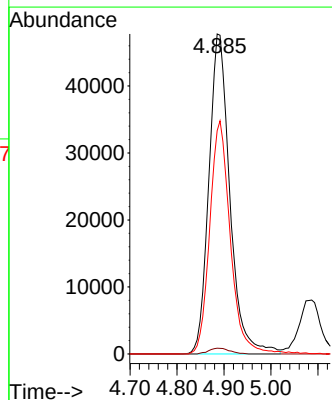
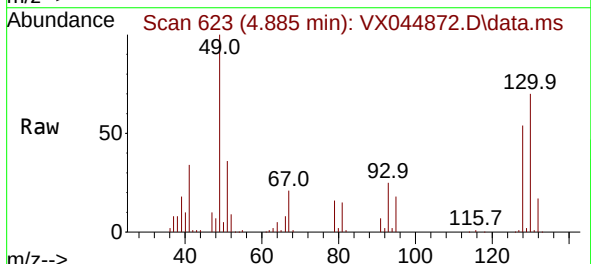
Tgt Ion: 49 Resp: 148137

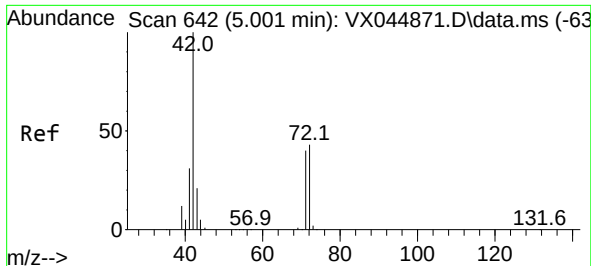
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 71.1 56.7 85.1





#29

Tetrahydrofuran

Concen: 493.104 ug/l

RT: 4.995 min Scan# 64

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

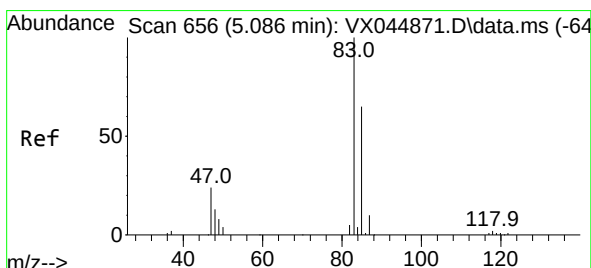
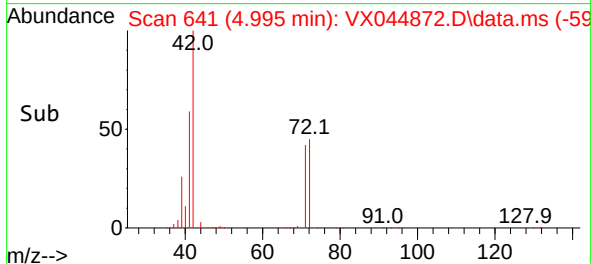
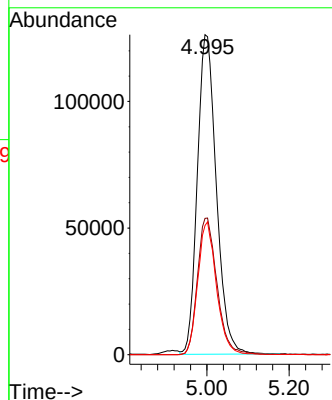
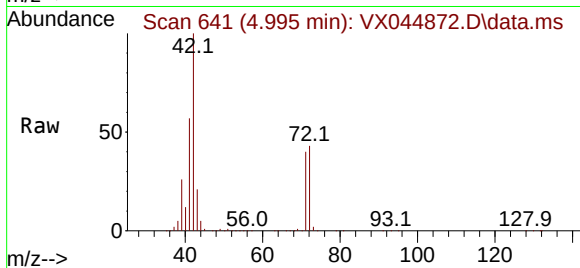
Tgt Ion: 42 Resp: 405208

Ion Ratio Lower Upper

42 100

72 43.9 35.0 52.4

71 40.8 32.6 48.8



#30

Chloroform

Concen: 96.445 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044872.D

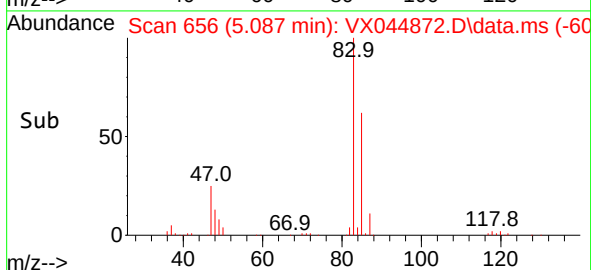
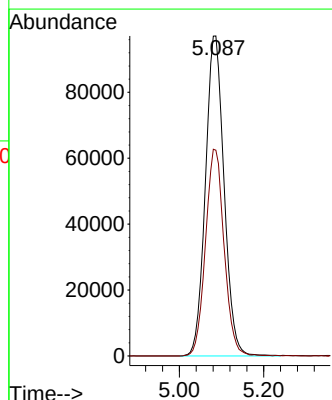
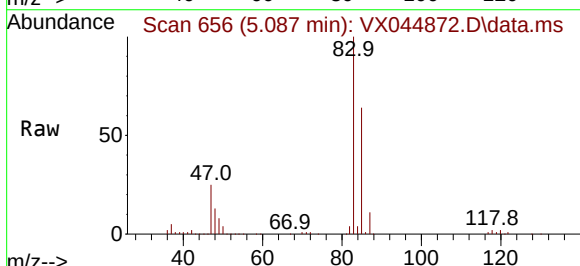
Acq: 10 Feb 2025 12:05

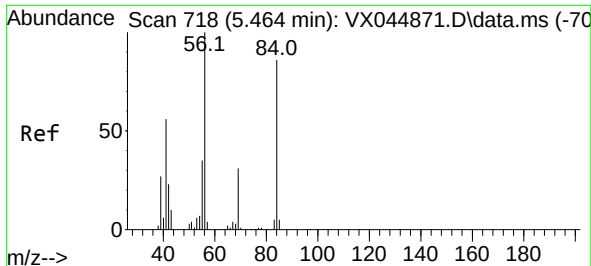
Tgt Ion: 83 Resp: 298690

Ion Ratio Lower Upper

83 100

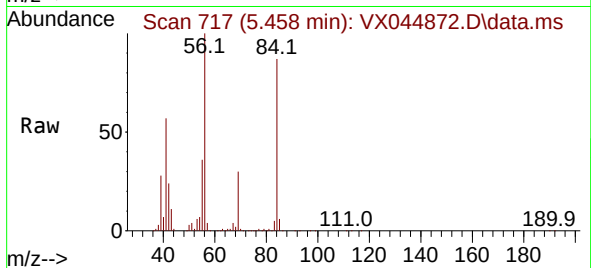
85 64.3 52.1 78.1



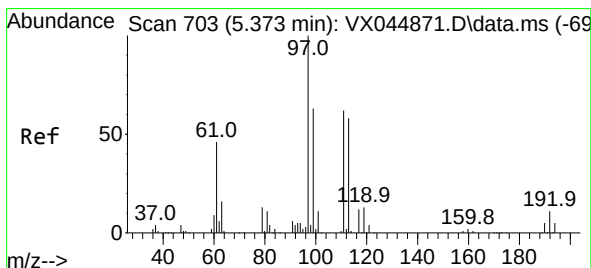
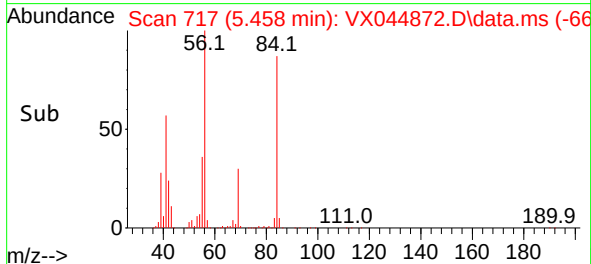
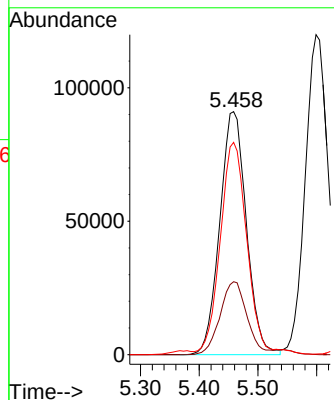


#31
Cyclohexane
Concen: 97.426 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

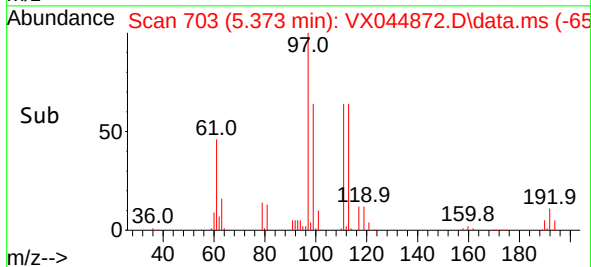
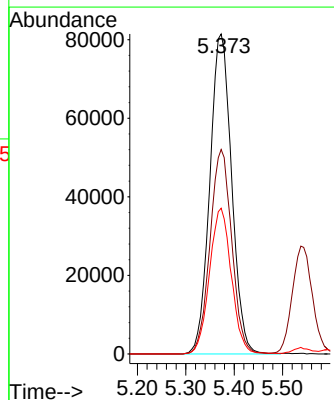
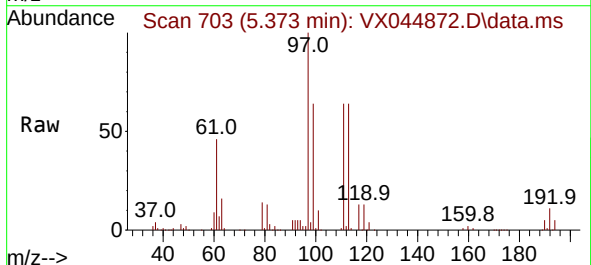


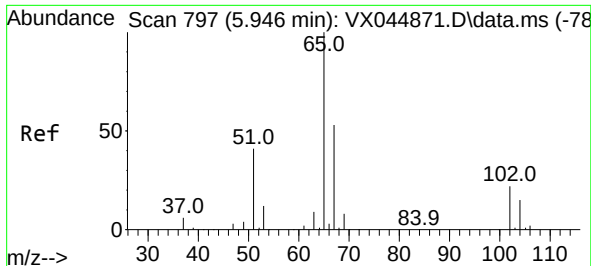
Tgt Ion: 56 Resp: 286830
Ion Ratio Lower Upper
56 100
69 30.0 24.4 36.6
84 85.7 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 97.050 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 97 Resp: 254941
Ion Ratio Lower Upper
97 100
99 63.8 51.0 76.6
61 45.8 36.6 55.0

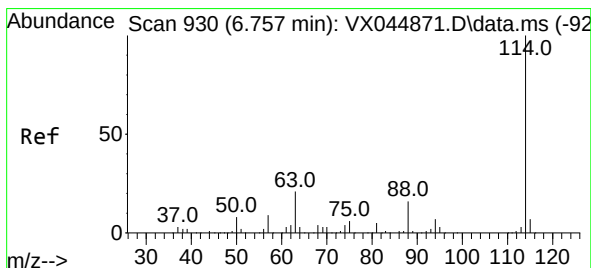
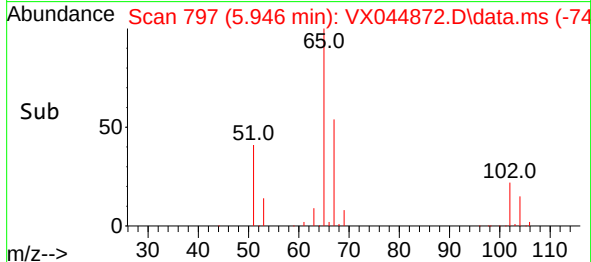
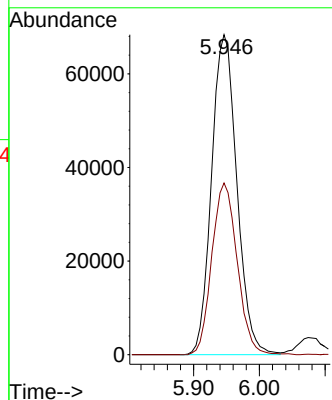
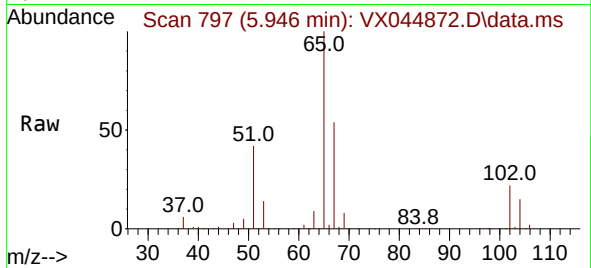




#33
1,2-Dichloroethane-d4
Concen: 96.580 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

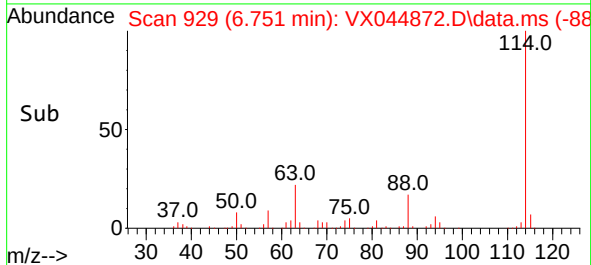
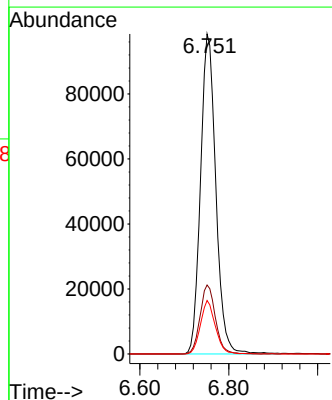
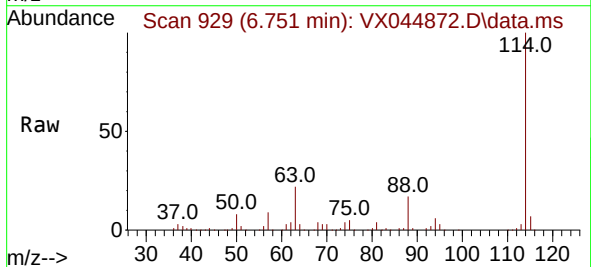
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

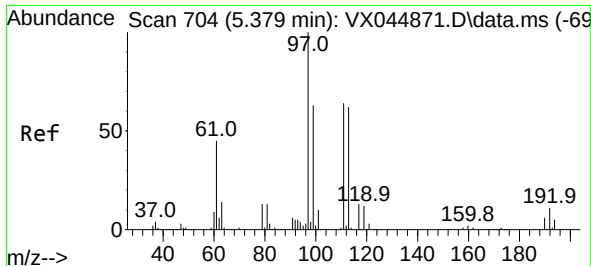
Tgt Ion: 65 Resp: 183093
Ion Ratio Lower Upper
65 100
67 53.8 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 114 Resp: 236372
Ion Ratio Lower Upper
114 100
63 21.6 0.0 42.4
88 16.7 0.0 31.4

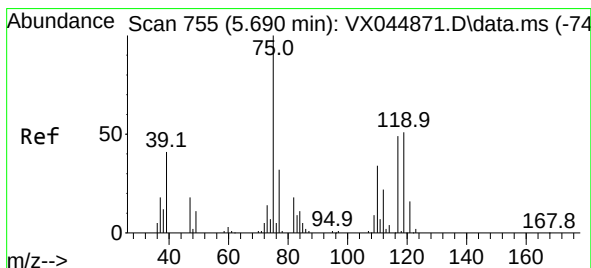
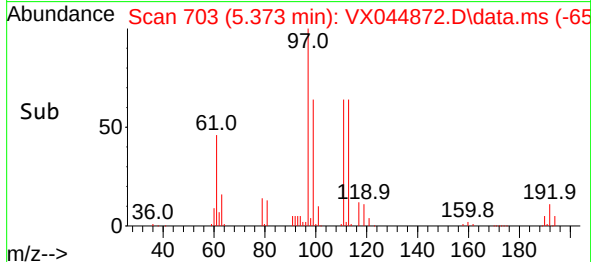
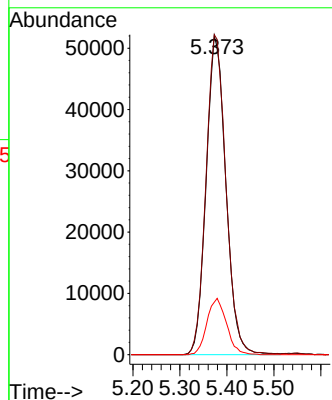
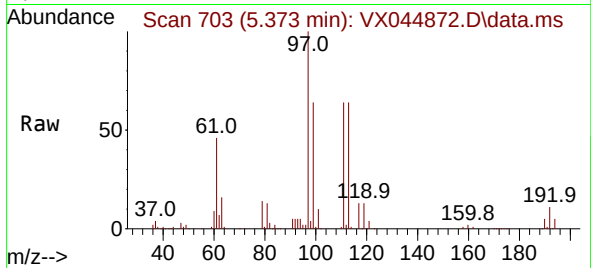




#35
Dibromofluoromethane
Concen: 98.404 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

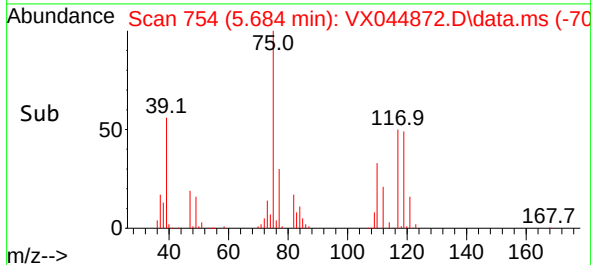
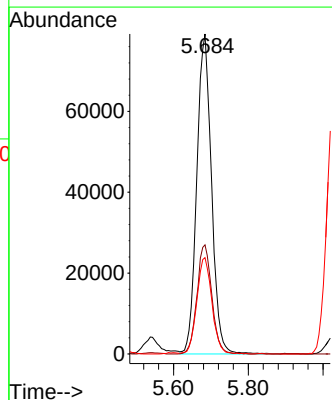
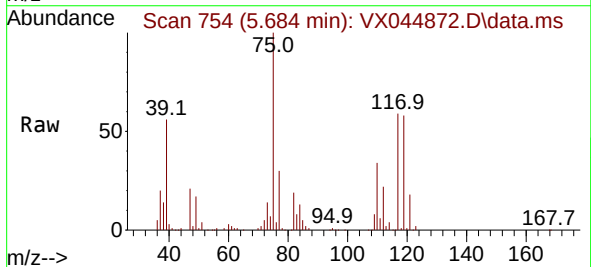
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

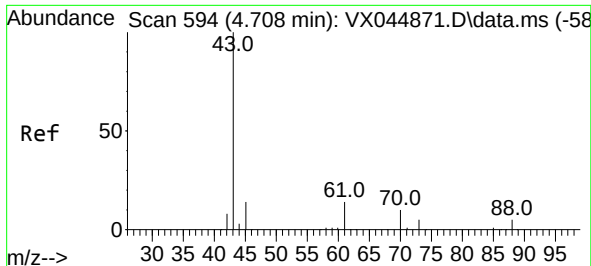
Tgt Ion:113 Resp: 151228
Ion Ratio Lower Upper
113 100
111 101.6 83.5 125.3
192 17.6 14.4 21.6



#36
1,1-Dichloropropene
Concen: 97.422 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 216005
Ion Ratio Lower Upper
75 100
110 34.4 17.2 51.6
77 30.9 24.6 37.0





#37

Ethyl Acetate

Concen: 99.005 ug/l

RT: 4.709 min Scan# 594

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

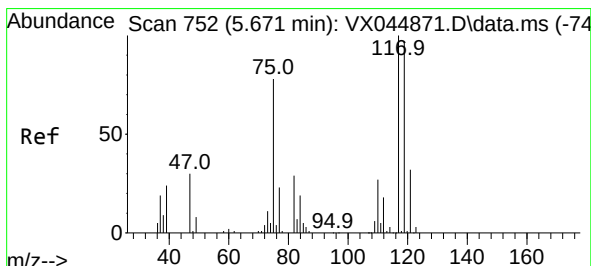
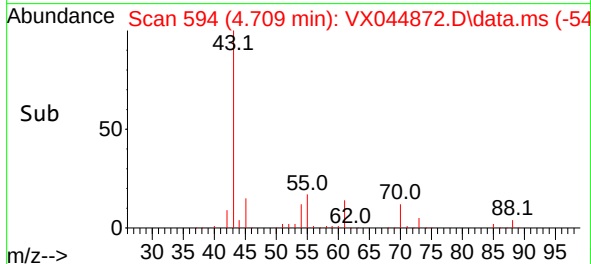
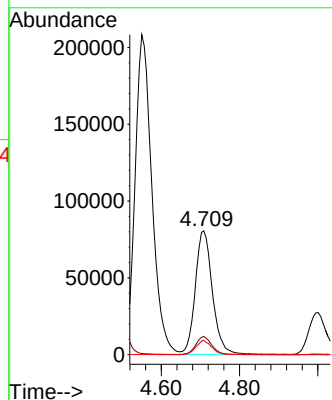
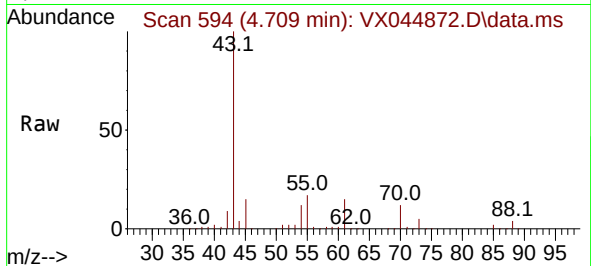
Tgt Ion: 43 Resp: 244164

Ion Ratio Lower Upper

43 100

61 14.0 11.0 16.4

70 10.6 8.2 12.2



#38

Carbon Tetrachloride

Concen: 96.828 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

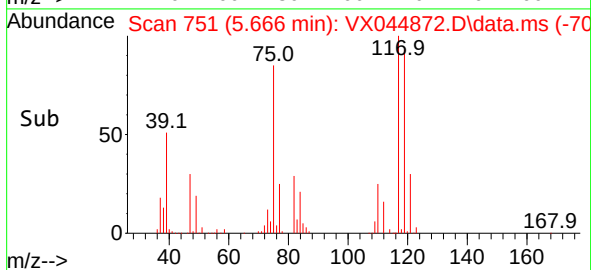
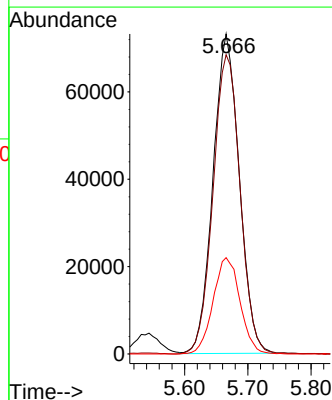
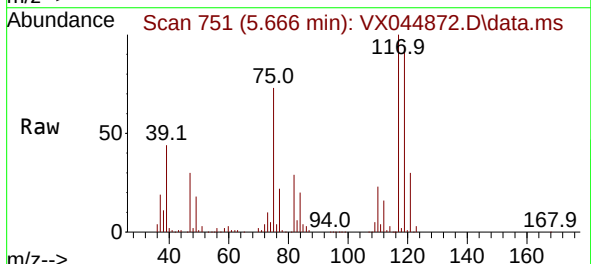
Tgt Ion: 117 Resp: 210381

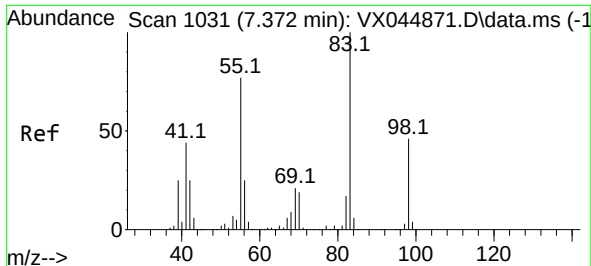
Ion Ratio Lower Upper

117 100

119 93.6 77.5 116.3

121 30.2 25.6 38.4





#39

Methylcyclohexane

Concen: 104.554 ug/l

RT: 7.373 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

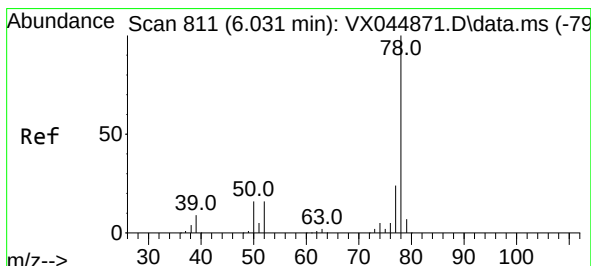
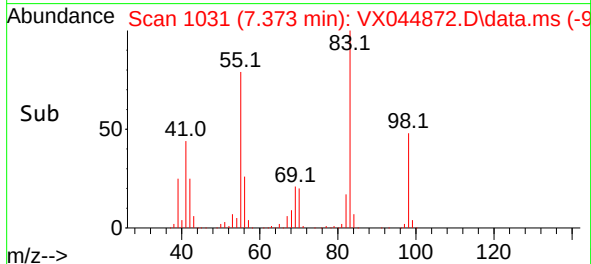
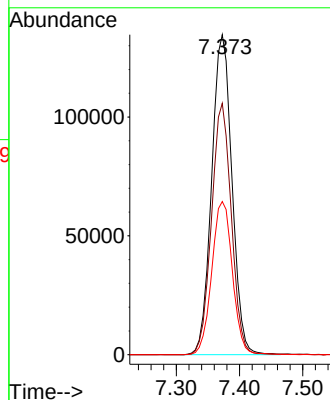
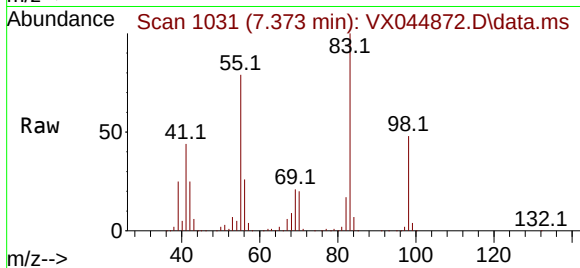
Tgt Ion: 83 Resp: 299703

Ion Ratio Lower Upper

83 100

55 78.5 61.3 91.9

98 47.8 37.0 55.6



#40

Benzene

Concen: 97.576 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX044872.D

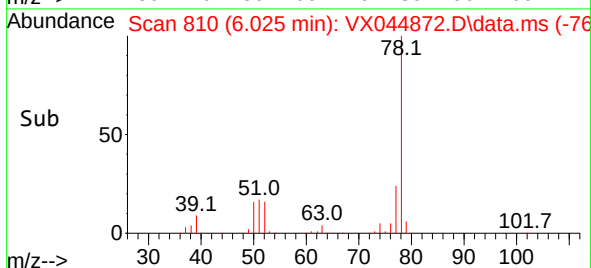
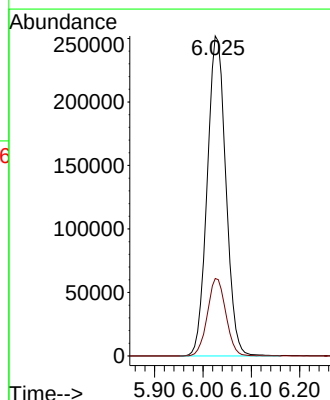
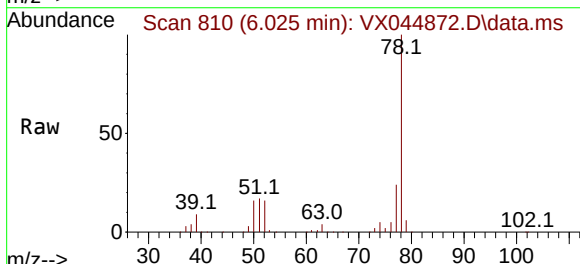
Acq: 10 Feb 2025 12:05

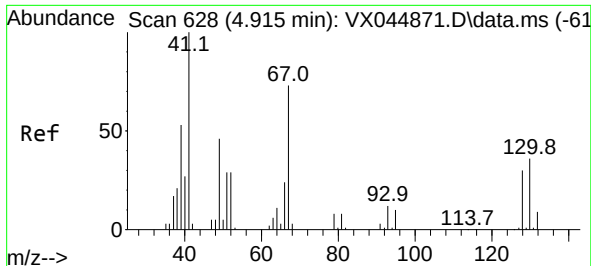
Tgt Ion: 78 Resp: 675556

Ion Ratio Lower Upper

78 100

77 24.2 19.0 28.6



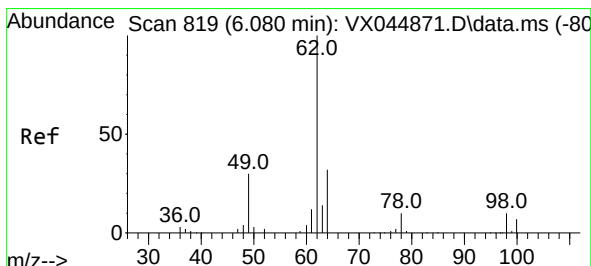
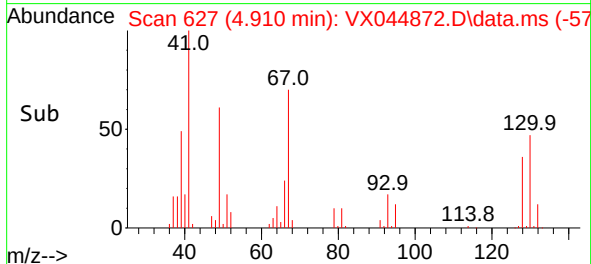
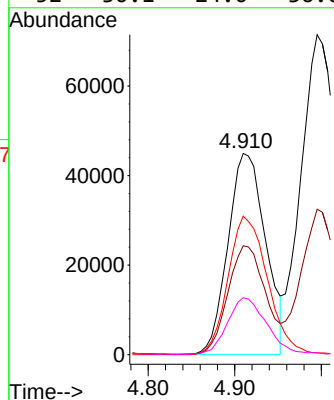
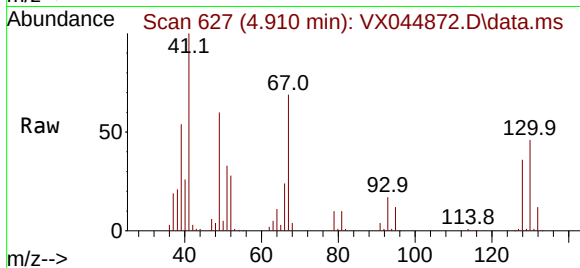


#41
Methacrylonitrile
Concen: 102.745 ug/l
RT: 4.910 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tgt Ion: 41 Resp: 135629

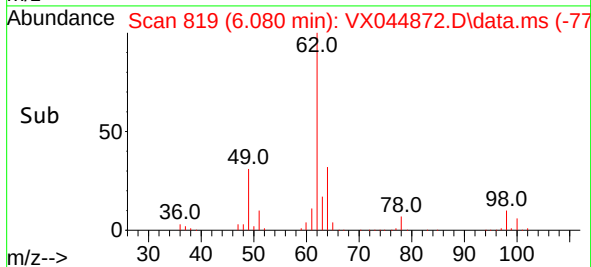
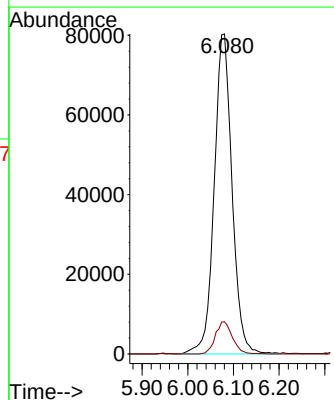
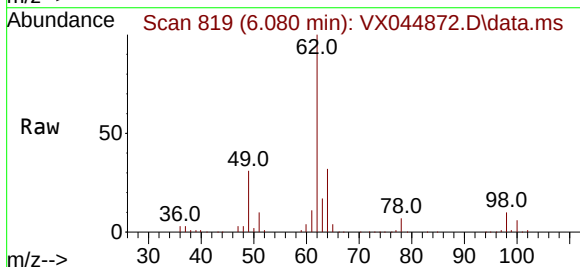
Ion	Ratio	Lower	Upper
41	100		
39	53.9	43.1	64.7
67	72.4	57.0	85.6
52	30.1	24.0	36.0

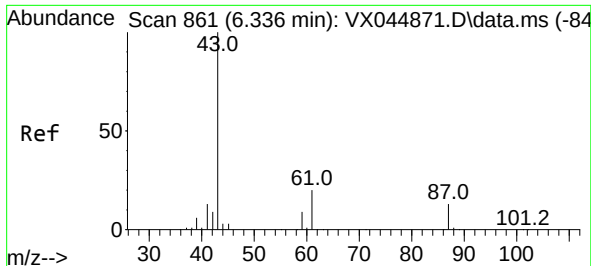


#42
1,2-Dichloroethane
Concen: 98.875 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 62 Resp: 218174

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4

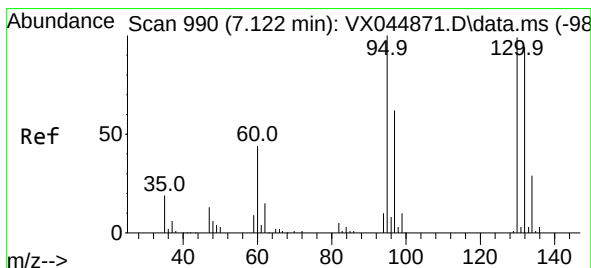
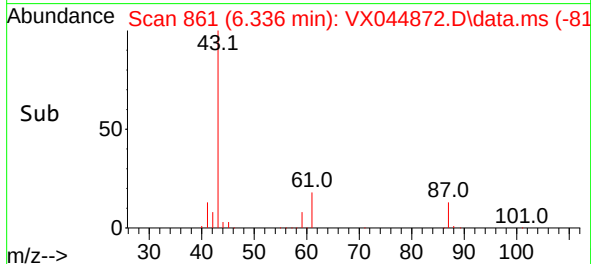
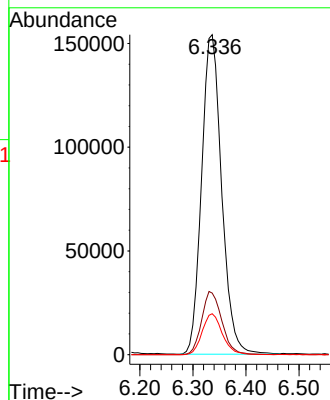
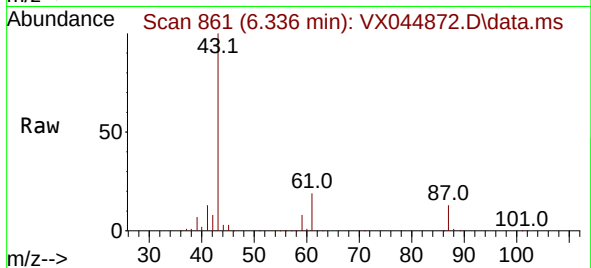




#43
Isopropyl Acetate
Concen: 101.818 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

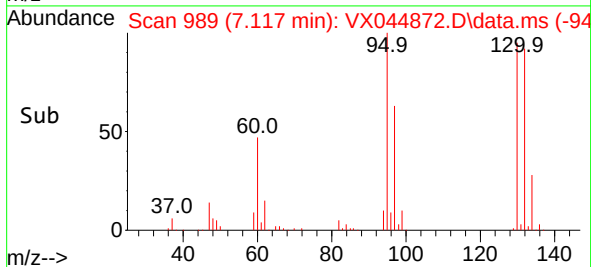
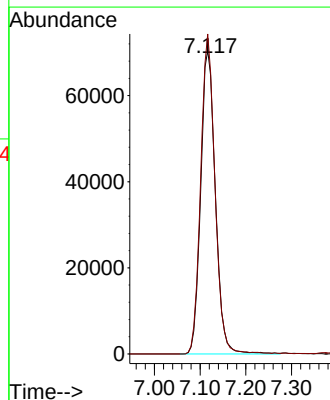
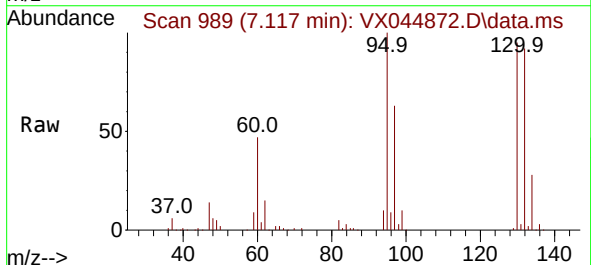
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

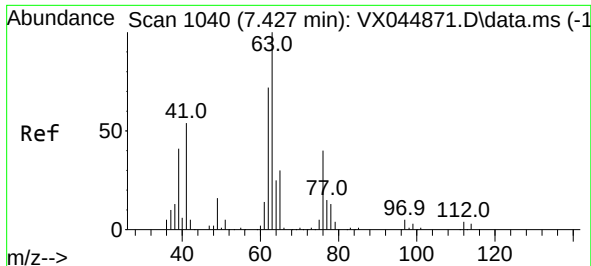
Tgt Ion: 43 Resp: 405489
Ion Ratio Lower Upper
43 100
61 19.9 15.8 23.8
87 12.8 10.0 15.0



#44
Trichloroethene
Concen: 99.103 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:130 Resp: 156832
Ion Ratio Lower Upper
130 100
95 105.4 0.0 202.4





#45

1,2-Dichloropropane

Concen: 98.893 ug/l

RT: 7.422 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

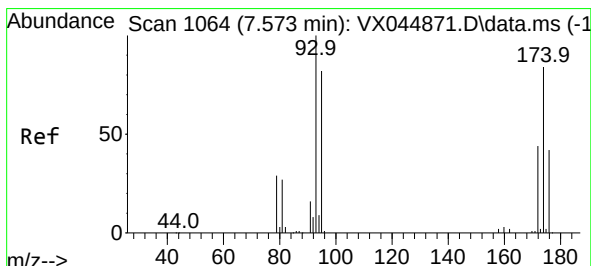
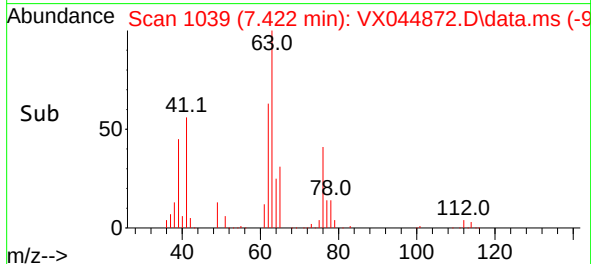
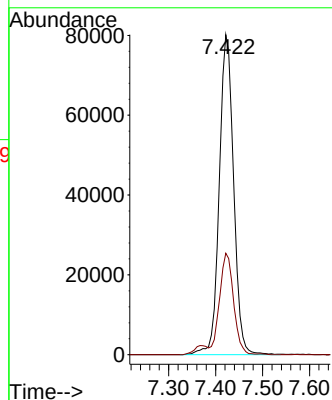
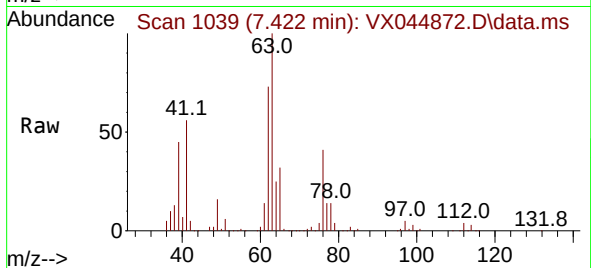
VSTDIC100

Tgt Ion: 63 Resp: 170337

Ion Ratio Lower Upper

63 100

65 31.7 24.2 36.4



#46

Dibromomethane

Concen: 99.747 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

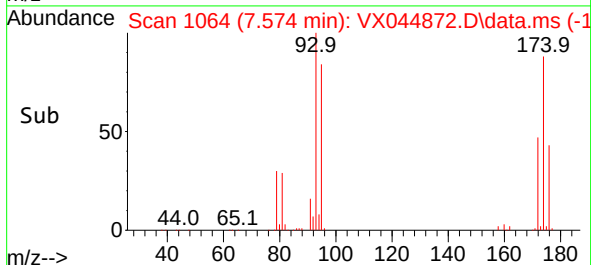
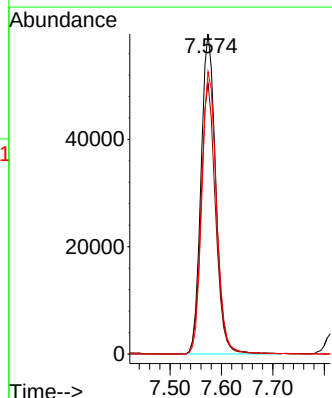
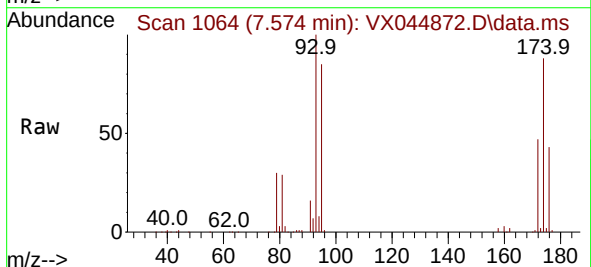
Tgt Ion: 93 Resp: 119149

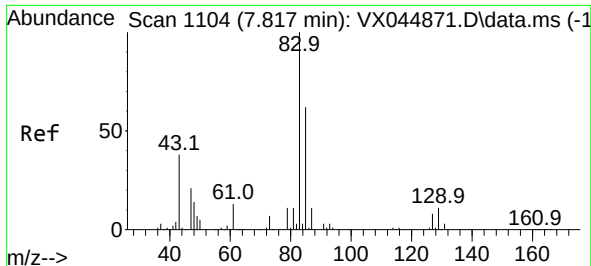
Ion Ratio Lower Upper

93 100

95 82.7 66.2 99.4

174 88.1 69.9 104.9

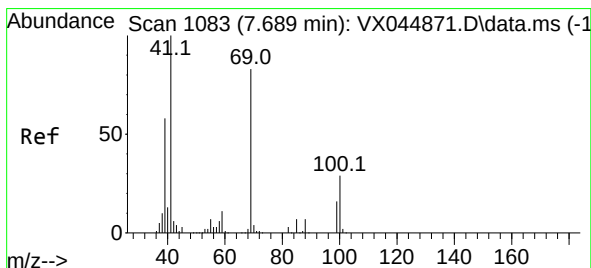
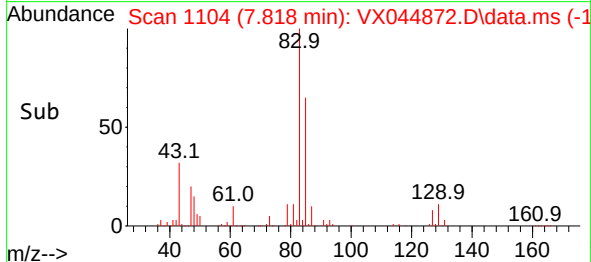
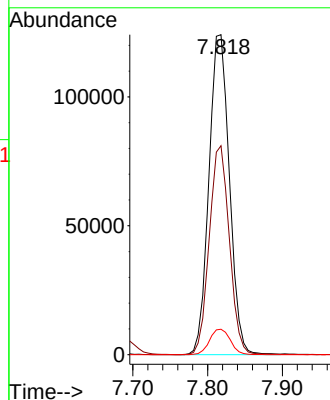
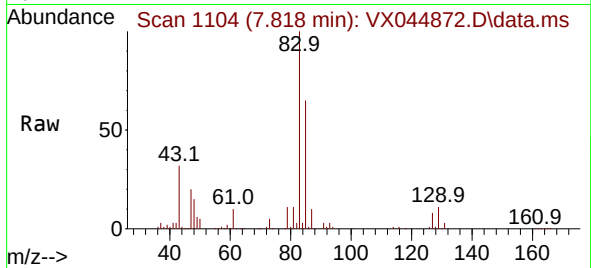




#47
Bromodichloromethane
Concen: 102.254 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

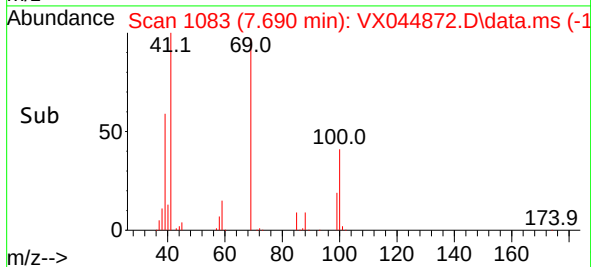
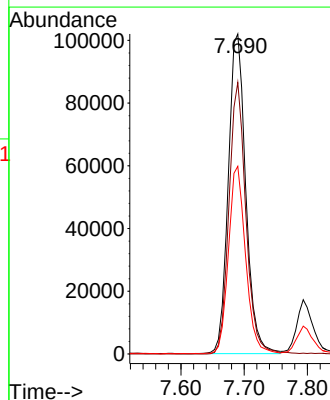
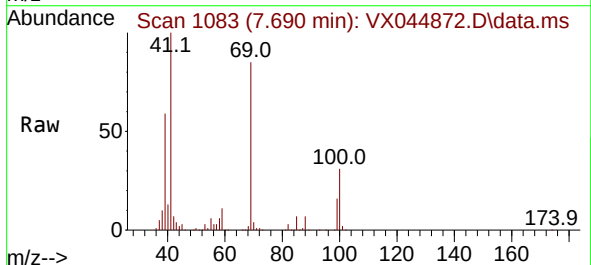
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

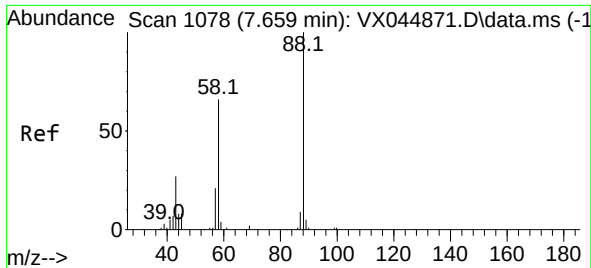
Tgt Ion: 83 Resp: 236506
Ion Ratio Lower Upper
83 100
85 65.3 50.0 75.0
127 8.0 6.4 9.6



#48
Methyl methacrylate
Concen: 104.321 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 41 Resp: 195892
Ion Ratio Lower Upper
41 100
69 82.1 65.8 98.8
39 57.3 46.4 69.6





#49

1,4-Dioxane

Concen: 1931.508 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

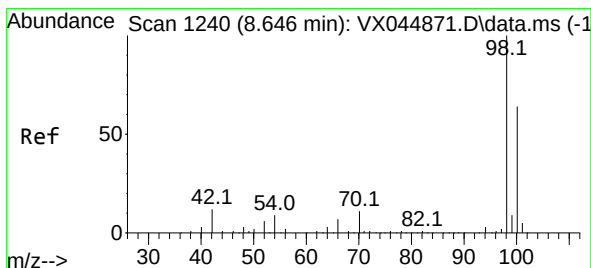
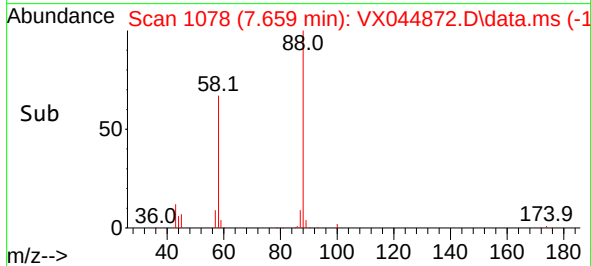
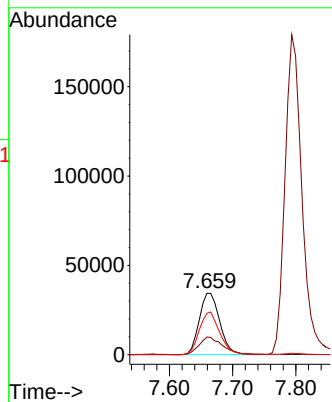
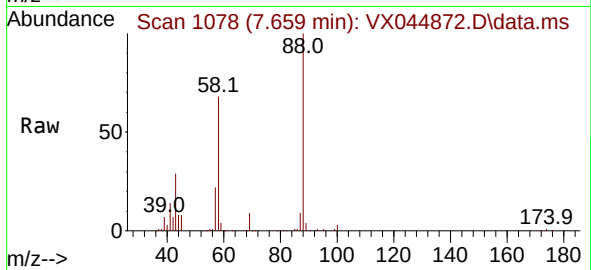
Tgt Ion: 88 Resp: 77816

Ion Ratio Lower Upper

88 100

43 31.8 26.6 39.8

58 68.9 55.9 83.9



#50

Toluene-d8

Concen: 98.253 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044872.D

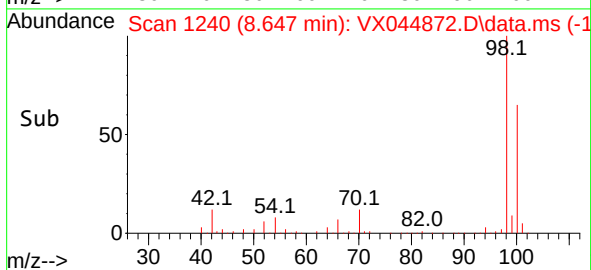
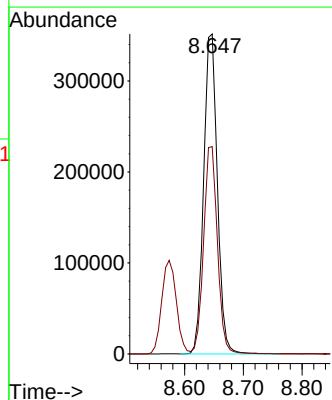
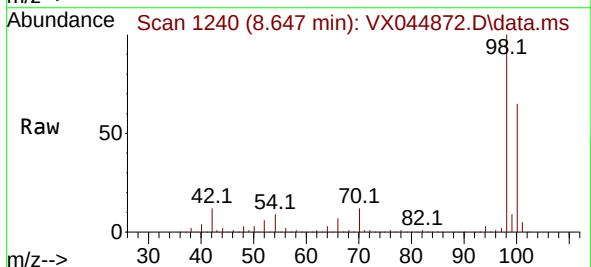
Acq: 10 Feb 2025 12:05

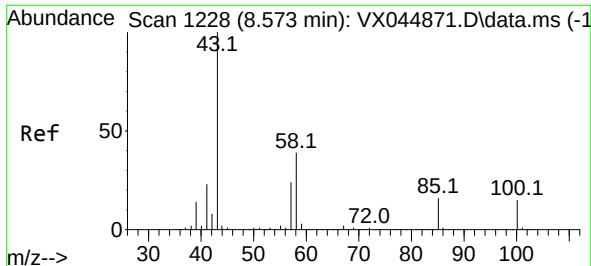
Tgt Ion: 98 Resp: 570976

Ion Ratio Lower Upper

98 100

100 65.2 52.7 79.1

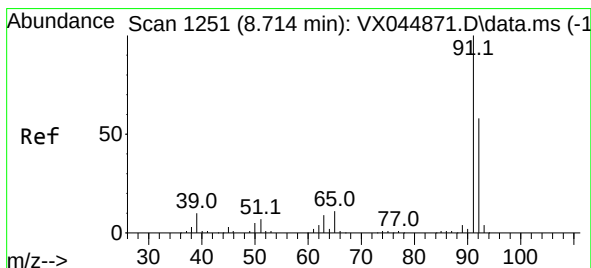
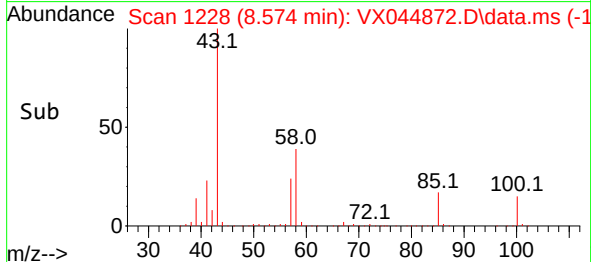
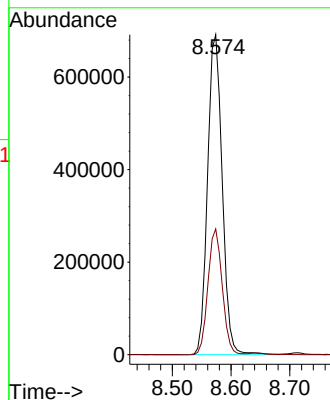
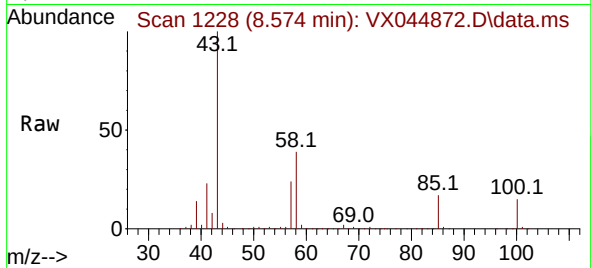




#51
4-Methyl-2-Pentanone
Concen: 494.353 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

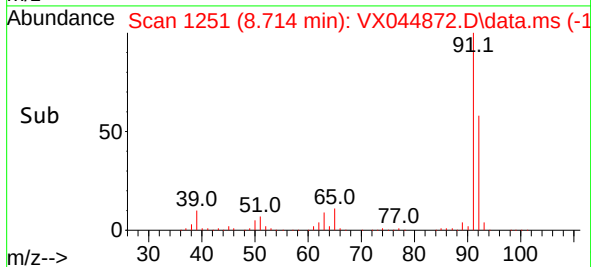
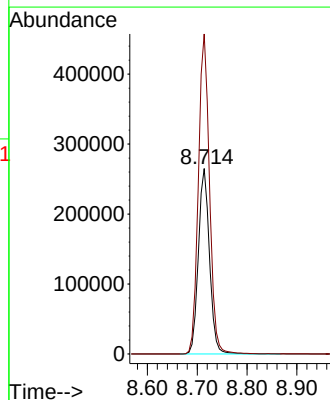
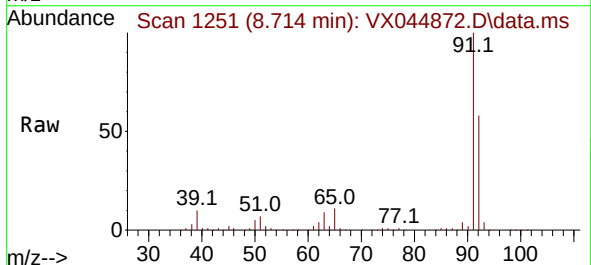
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

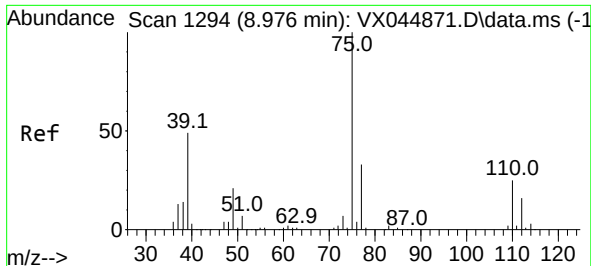
Tgt Ion: 43 Resp: 1196887
Ion Ratio Lower Upper
43 100
58 38.4 30.8 46.2



#52
Toluene
Concen: 99.270 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 92 Resp: 409318
Ion Ratio Lower Upper
92 100
91 173.0 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 106.694 ug/l

RT: 8.970 min Scan# 1193

Delta R.T. -0.006 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

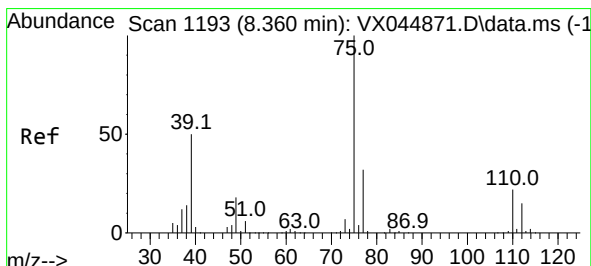
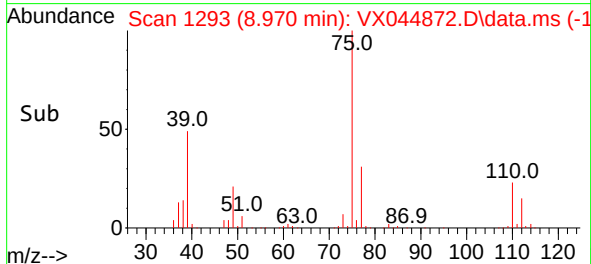
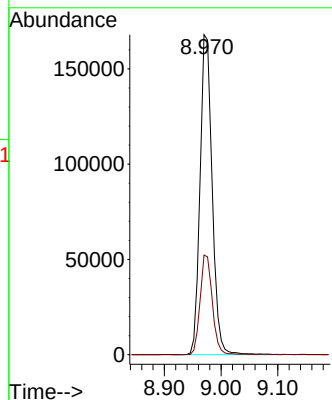
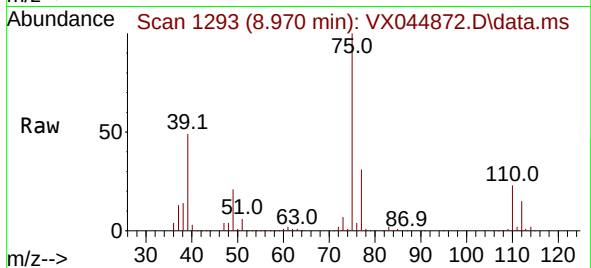
VSTDICC100

Tgt Ion: 75 Resp: 249725

Ion Ratio Lower Upper

75 100

77 31.2 26.0 39.0



#54

cis-1,3-Dichloropropene

Concen: 106.287 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

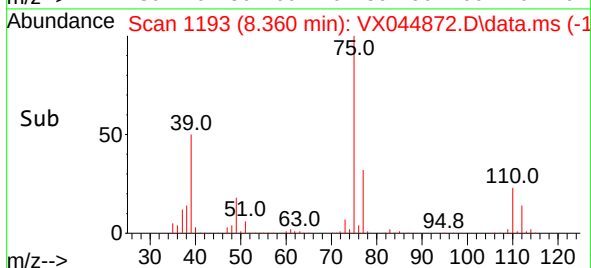
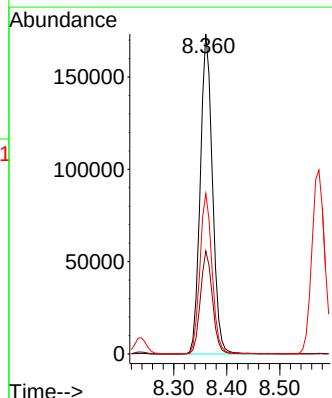
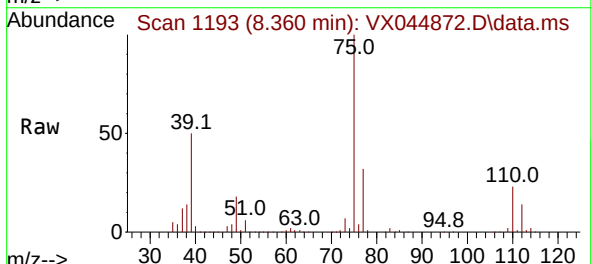
Tgt Ion: 75 Resp: 277371

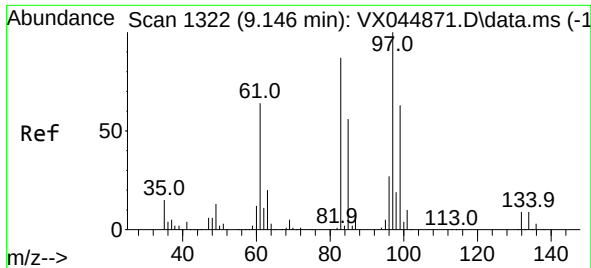
Ion Ratio Lower Upper

75 100

77 32.2 25.3 37.9

39 50.1 40.0 60.0

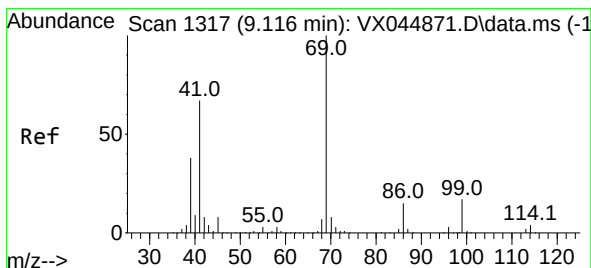
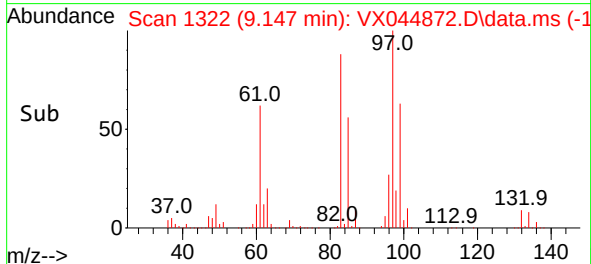
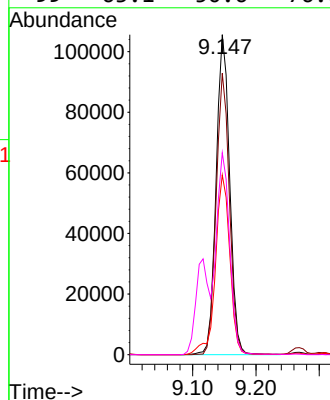
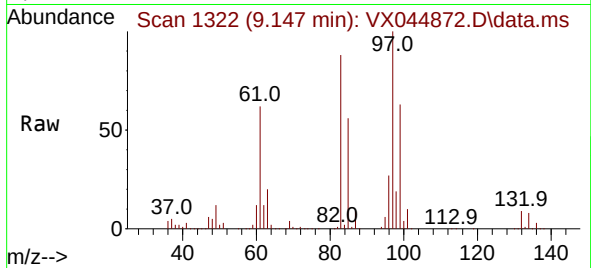




#55
1,1,2-Trichloroethane
Concen: 98.817 ug/l
RT: 9.147 min Scan# 1322
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

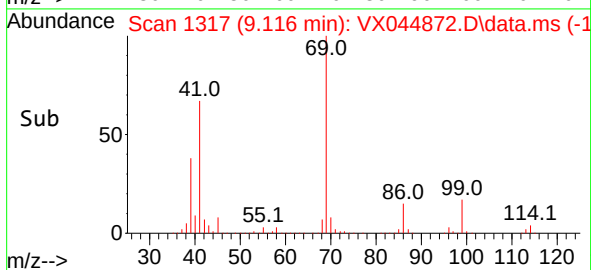
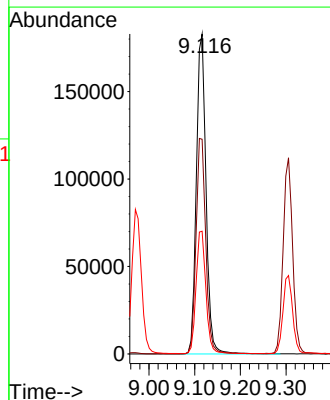
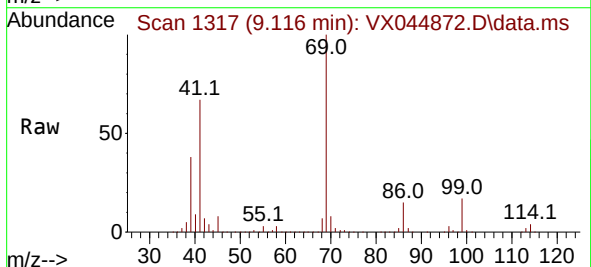
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

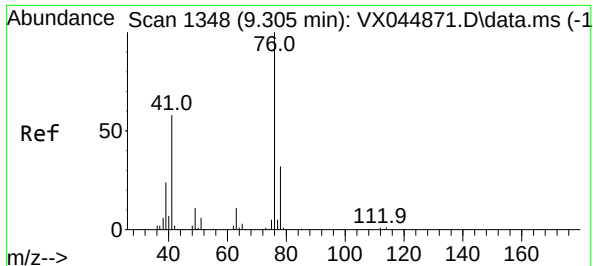
Tgt Ion:	97	Resp:	156629
Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.8	104.6
85	56.2	44.8	67.2
99	63.1	50.6	76.0



#56
Ethyl methacrylate
Concen: 104.958 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:	69	Resp:	268693
Ion	Ratio	Lower	Upper
69	100		
41	68.0	55.2	82.8
39	39.2	30.8	46.2





#57

1,3-Dichloropropane

Concen: 98.742 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

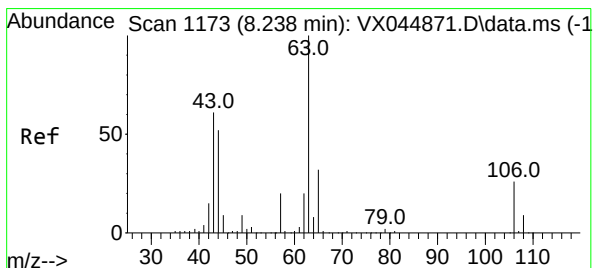
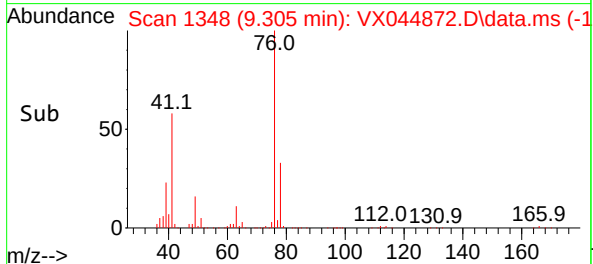
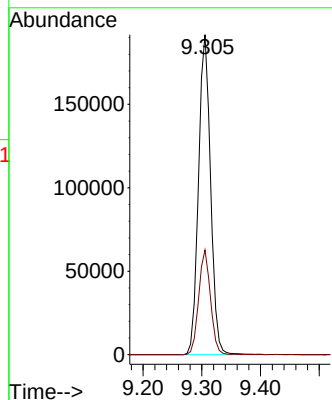
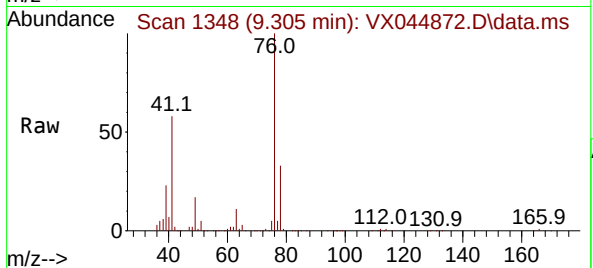
VSTDICC100

Tgt Ion: 76 Resp: 273845

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 528.405 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044872.D

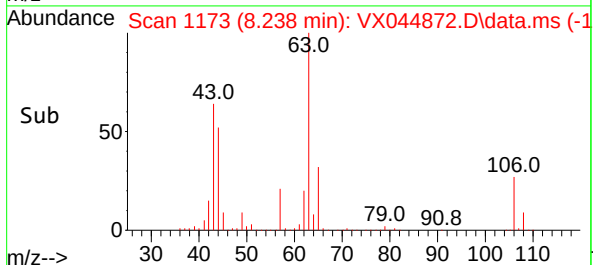
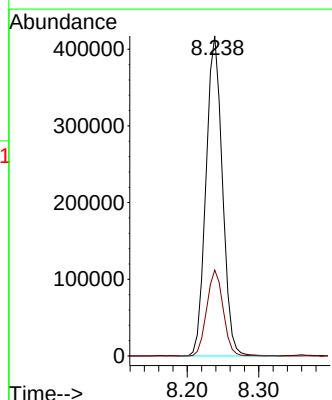
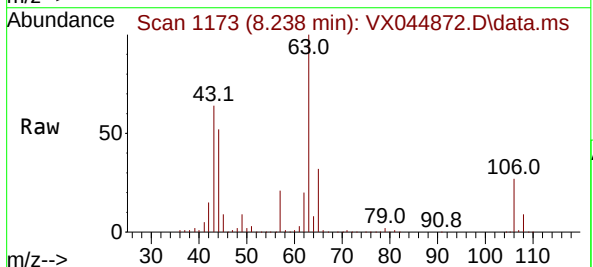
Acq: 10 Feb 2025 12:05

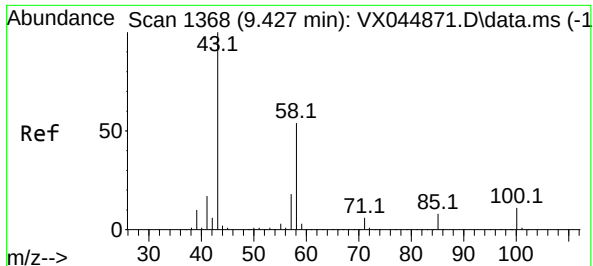
Tgt Ion: 63 Resp: 664198

Ion Ratio Lower Upper

63 100

106 26.8 21.3 31.9





#59

2-Hexanone

Concen: 499.819 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

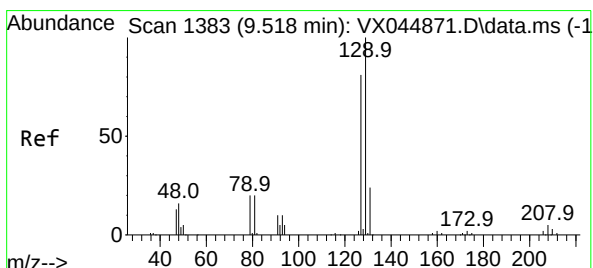
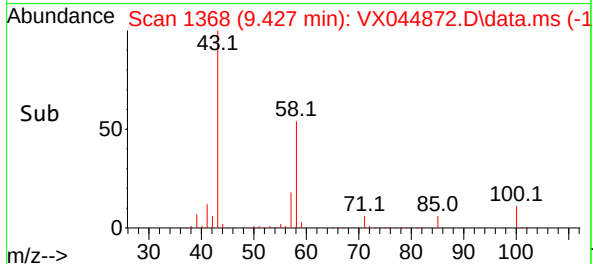
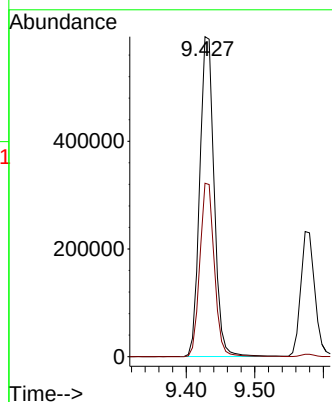
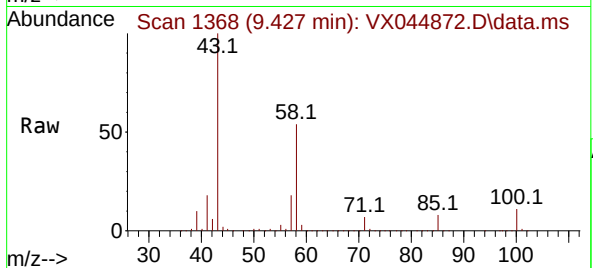
VSTDIC100

Tgt Ion: 43 Resp: 871904

Ion Ratio Lower Upper

43 100

58 54.4 27.5 82.4



#60

Dibromochloromethane

Concen: 102.557 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044872.D

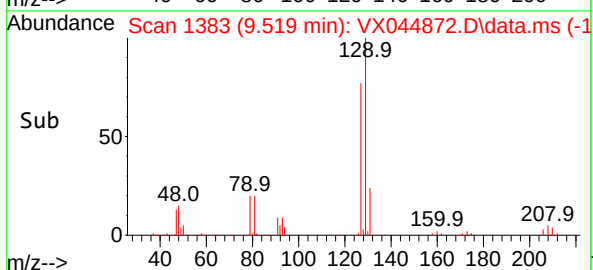
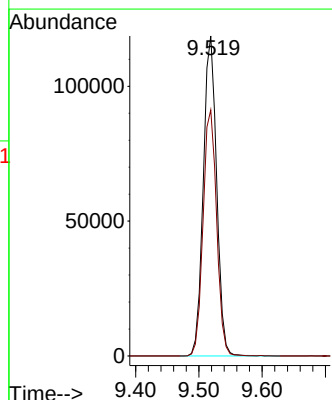
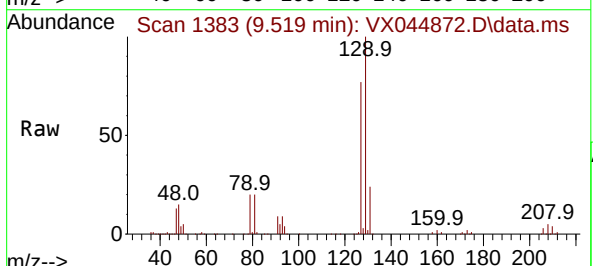
Acq: 10 Feb 2025 12:05

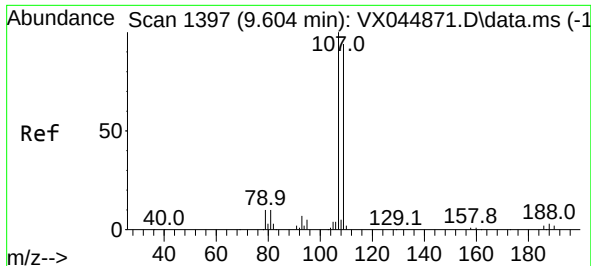
Tgt Ion: 129 Resp: 173848

Ion Ratio Lower Upper

129 100

127 78.3 39.1 117.3

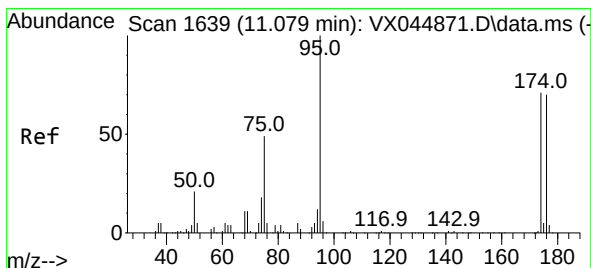
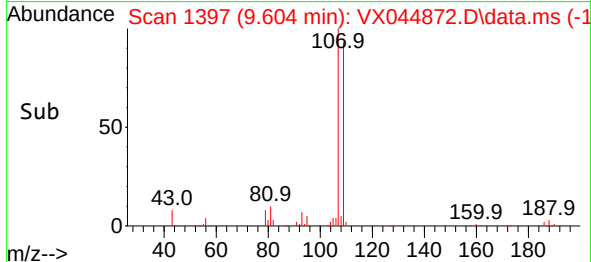
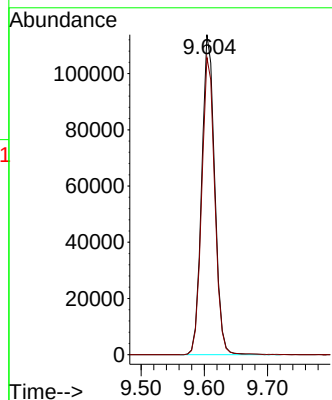
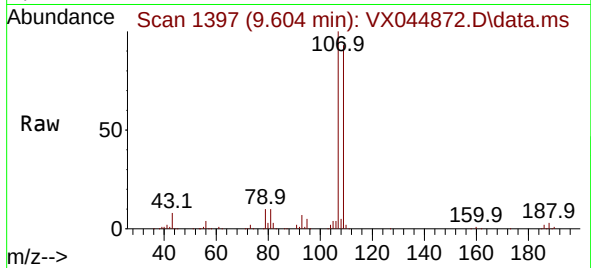




#61
 1,2-Dibromoethane
 Concen: 101.451 ug/l
 RT: 9.604 min Scan# 1397
 Delta R.T. 0.000 min
 Lab File: VX044872.D
 Acq: 10 Feb 2025 12:05

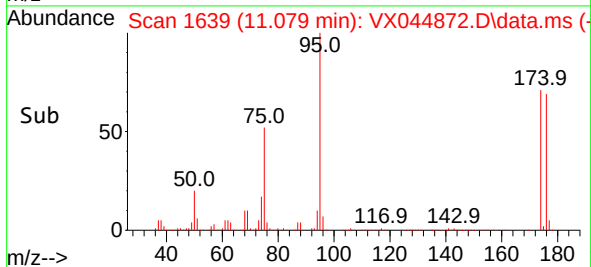
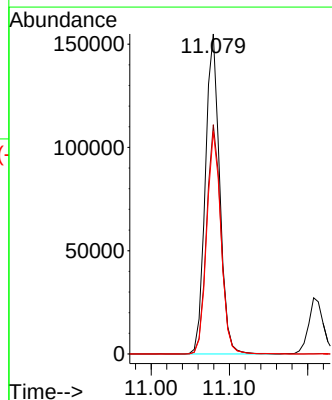
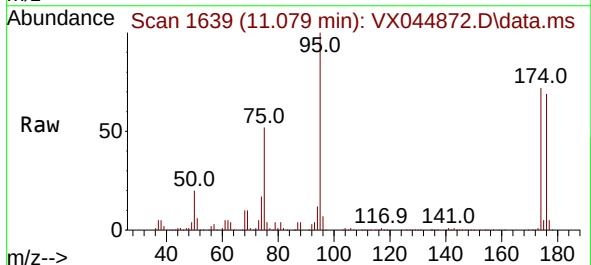
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

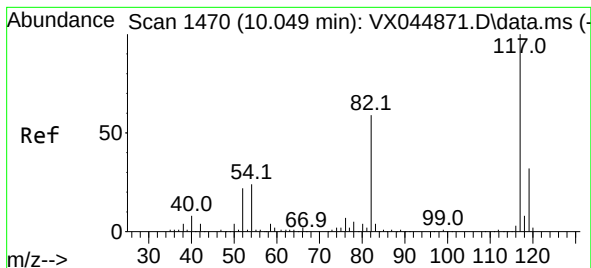
Tgt Ion:107 Resp: 162982
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 100.079 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.000 min
 Lab File: VX044872.D
 Acq: 10 Feb 2025 12:05

Tgt Ion: 95 Resp: 196066
 Ion Ratio Lower Upper
 95 100
 174 71.6 0.0 142.6
 176 68.8 0.0 141.6

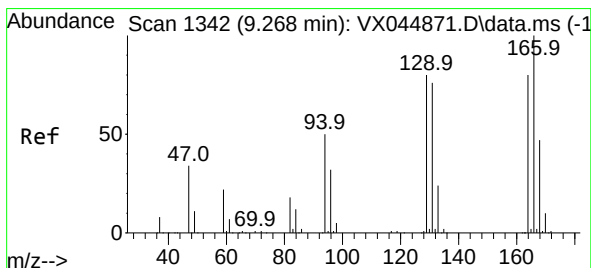
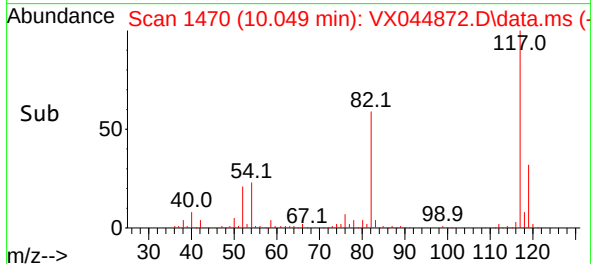
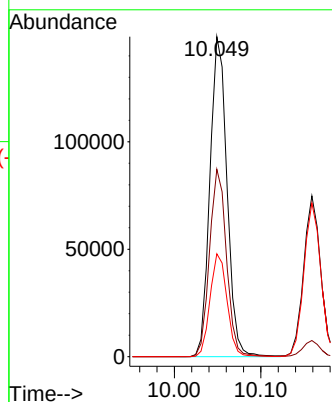
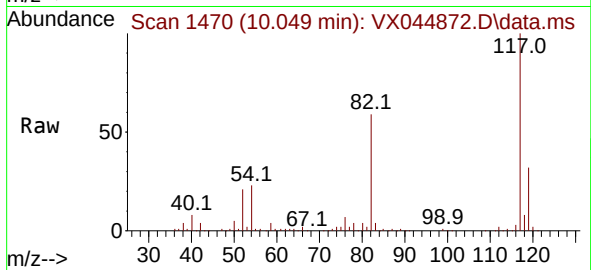




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

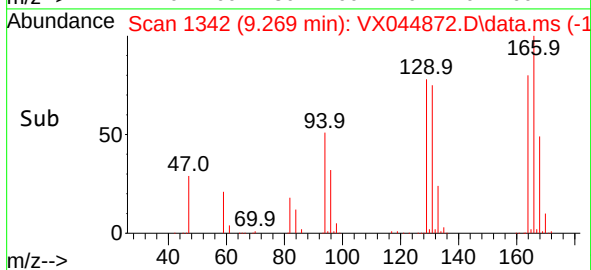
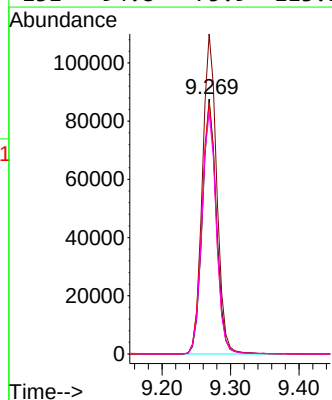
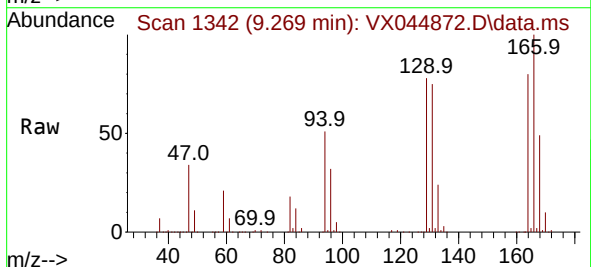
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

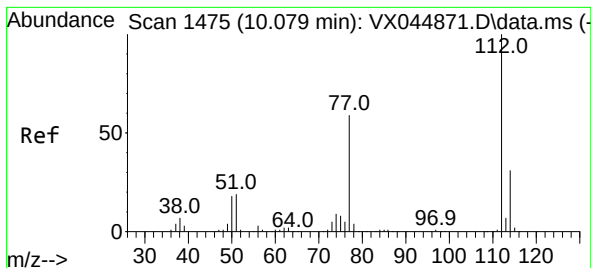
Tgt Ion:117 Resp: 203881
Ion Ratio Lower Upper
117 100
82 58.5 47.5 71.3
119 32.2 25.4 38.0



#64
Tetrachloroethene
Concen: 97.447 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:164 Resp: 125294
Ion Ratio Lower Upper
164 100
166 125.6 100.4 150.6
129 98.6 79.9 119.9
131 94.8 75.9 113.9

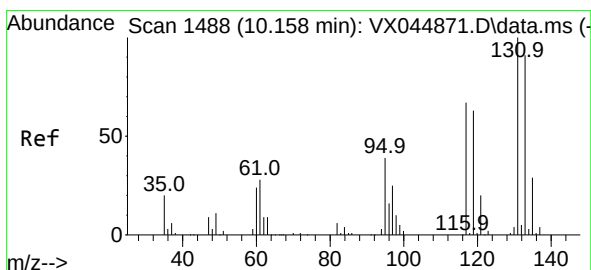
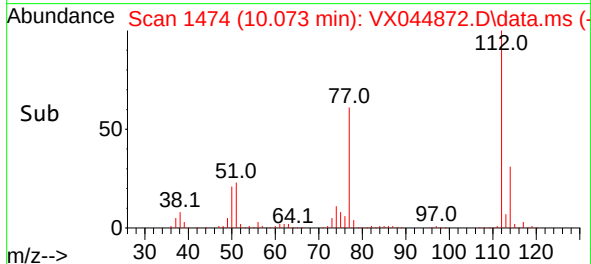
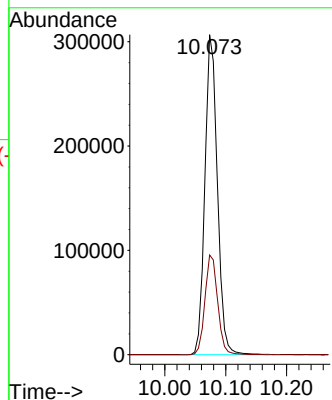
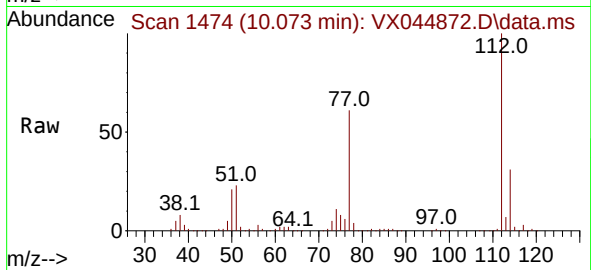




#65
Chlorobenzene
Concen: 99.694 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

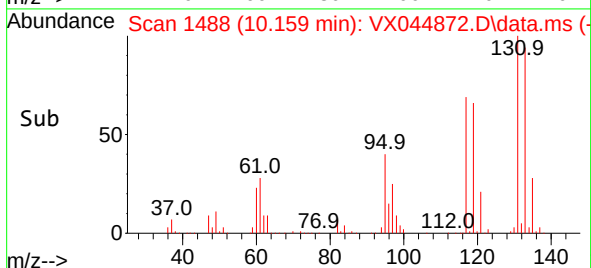
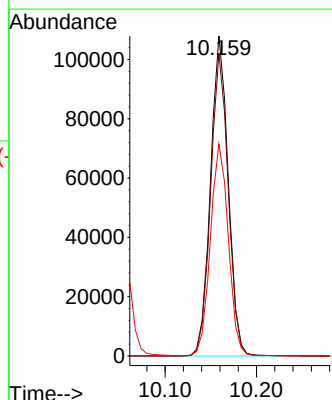
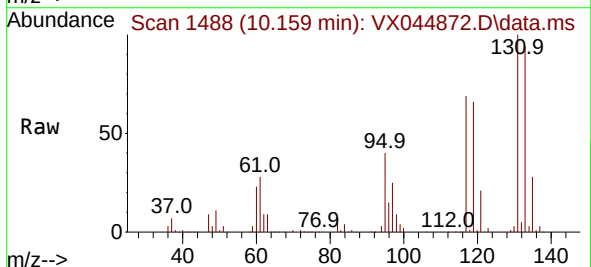
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

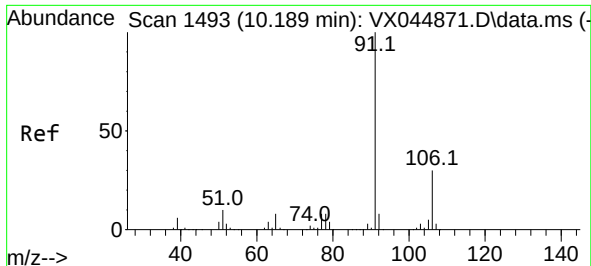
Tgt Ion:112 Resp: 436565
Ion Ratio Lower Upper
112 100
114 31.2 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 102.728 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:131 Resp: 144793
Ion Ratio Lower Upper
131 100
133 94.1 47.1 141.3
119 67.2 33.6 100.6





#67

Ethyl Benzene

Concen: 101.477 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

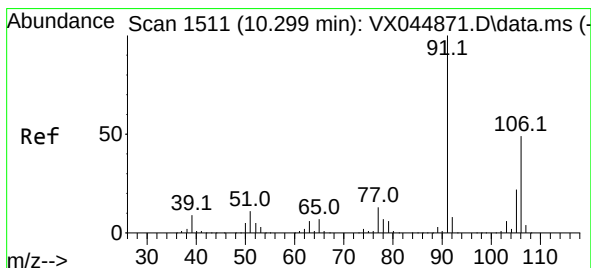
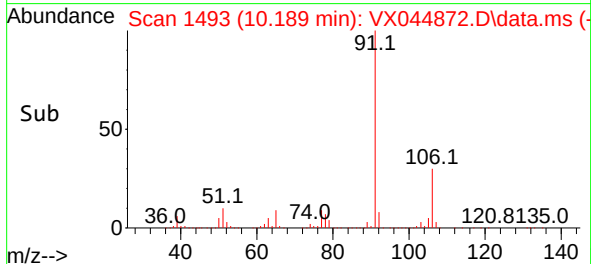
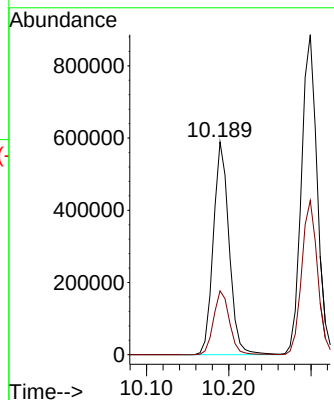
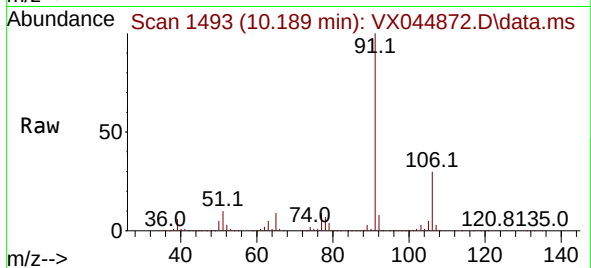
VSTDICC100

Tgt Ion: 91 Resp: 784184

Ion Ratio Lower Upper

91 100

106 30.0 23.9 35.9



#68

m/p-Xylenes

Concen: 201.907 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044872.D

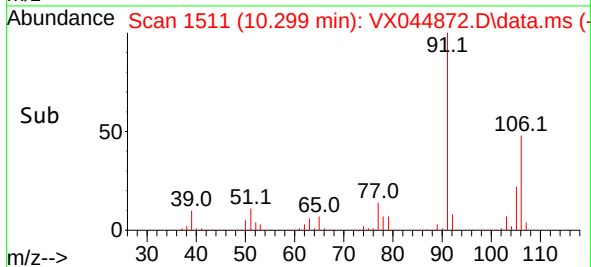
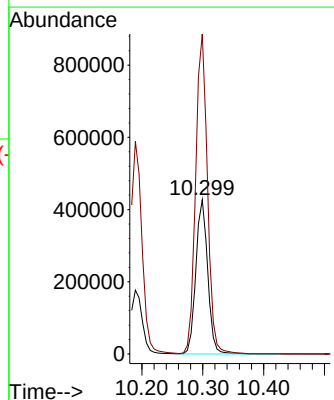
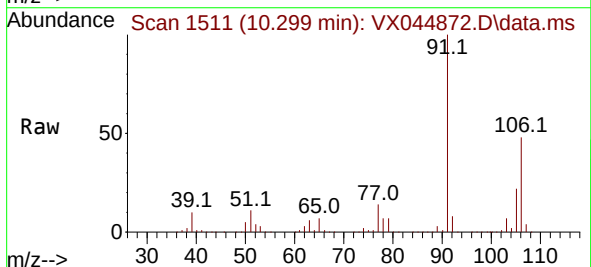
Acq: 10 Feb 2025 12:05

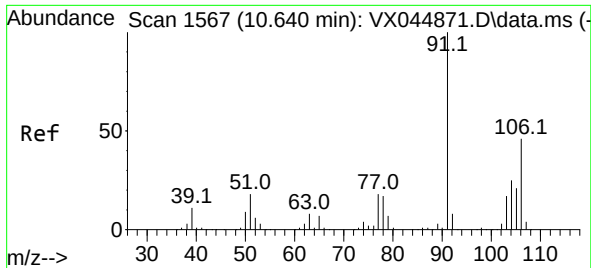
Tgt Ion:106 Resp: 575559

Ion Ratio Lower Upper

106 100

91 207.1 164.3 246.5

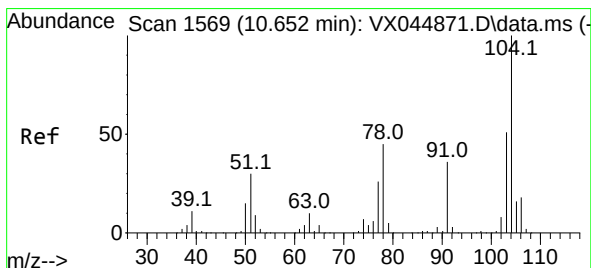
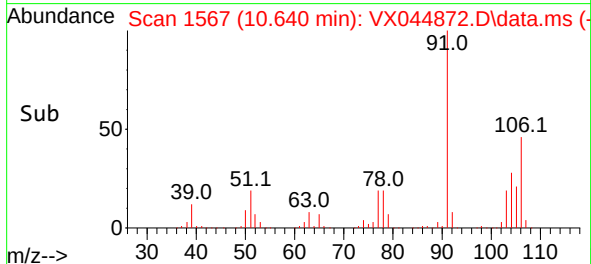
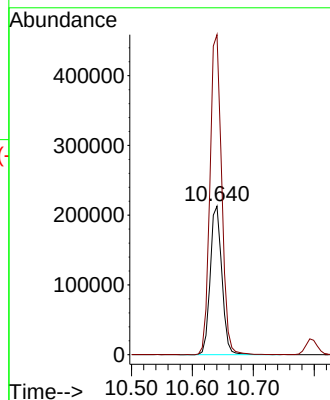
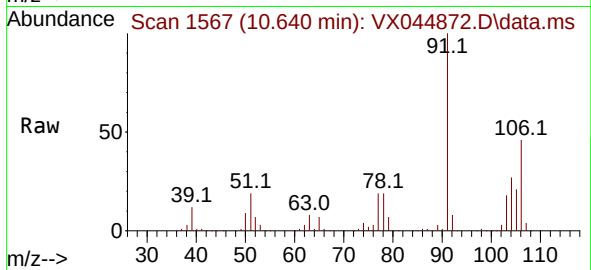




#69
o-Xylene
Concen: 98.530 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

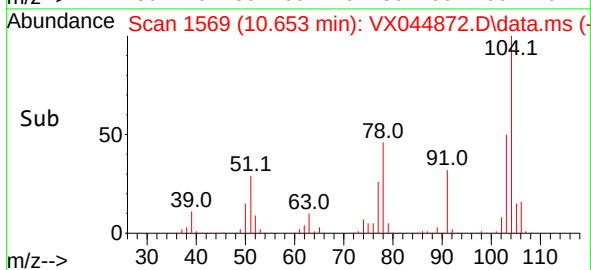
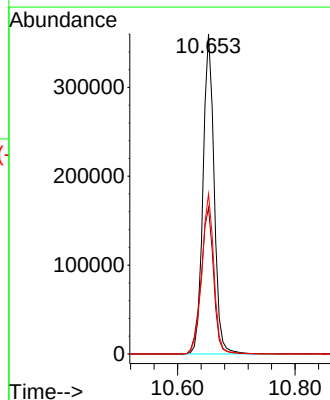
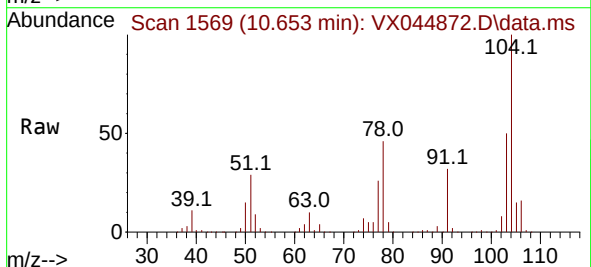
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

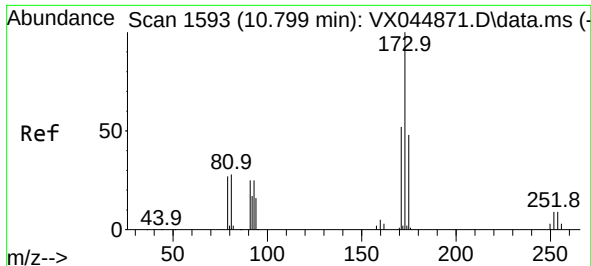
Tgt Ion:106 Resp: 281830
Ion Ratio Lower Upper
106 100
91 217.3 108.5 325.5



#70
Styrene
Concen: 102.728 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:104 Resp: 473403
Ion Ratio Lower Upper
104 100
78 51.5 40.5 60.7
103 54.5 43.6 65.4

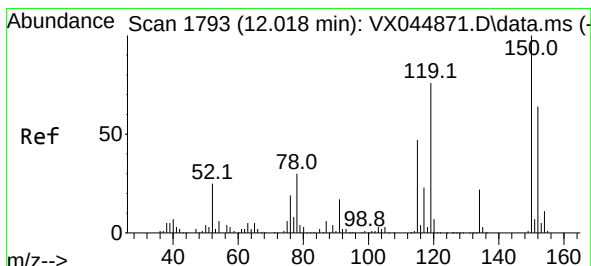
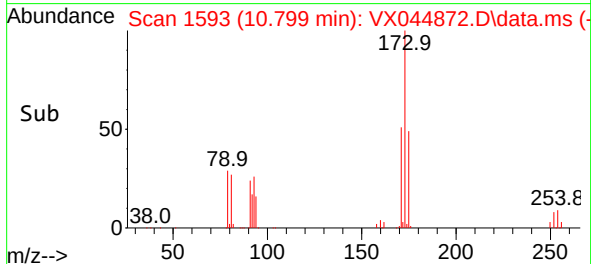
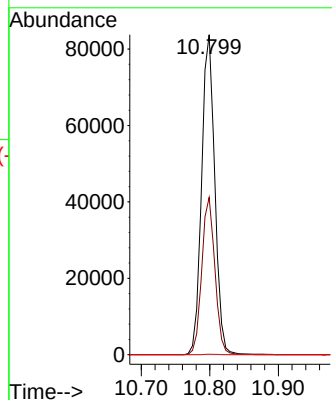
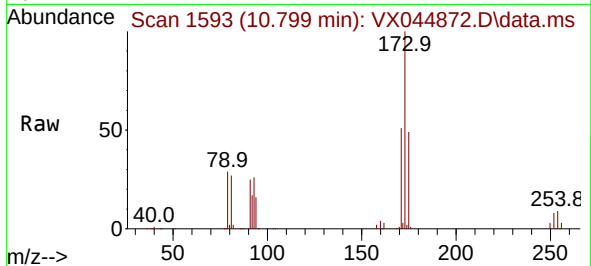




#71
Bromoform
Concen: 106.827 ug/l
RT: 10.799 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

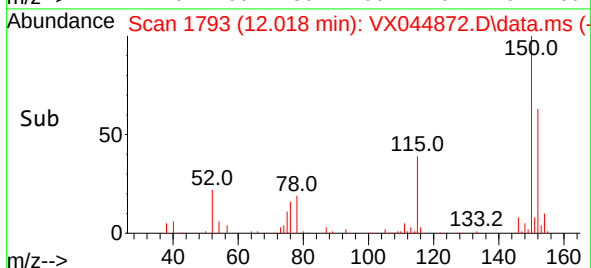
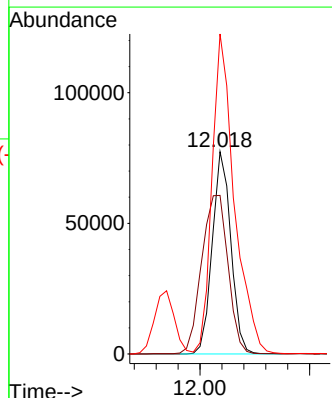
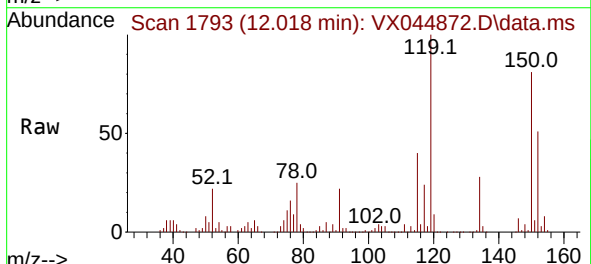
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

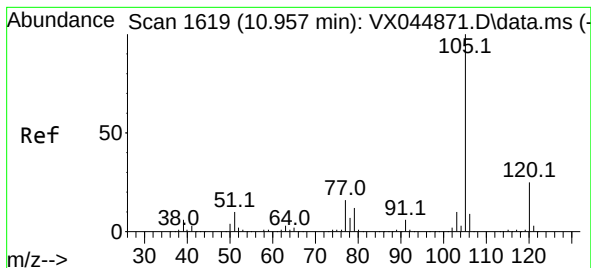
Tgt Ion:173 Resp: 112371
Ion Ratio Lower Upper
173 100
175 49.0 24.3 72.8
254 0.1 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:152 Resp: 91371
Ion Ratio Lower Upper
152 100
115 111.2 43.4 130.1
150 189.1 0.0 350.4





#73

Isopropylbenzene

Concen: 97.854 ug/l

RT: 10.957 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

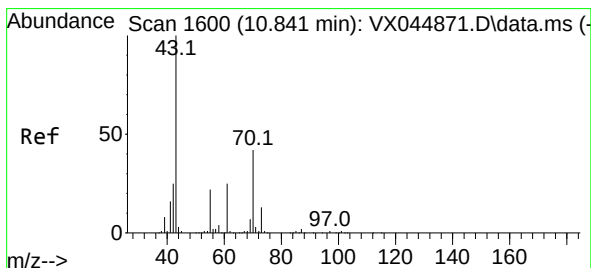
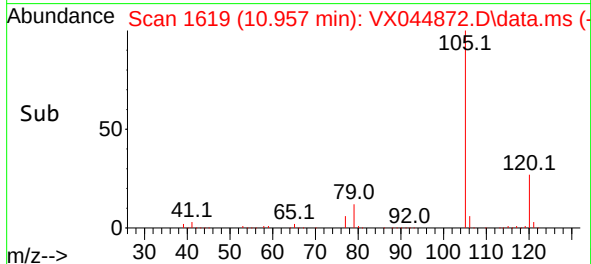
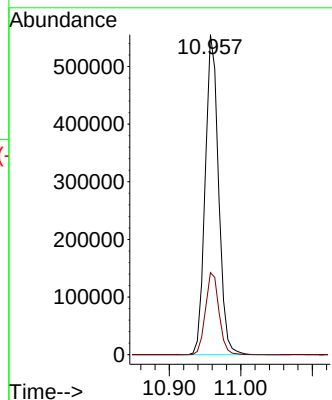
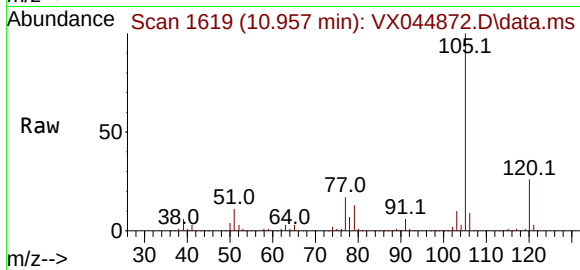
VSTDICC100

Tgt Ion:105 Resp: 719923

Ion Ratio Lower Upper

105 100

120 26.0 13.2 39.5



#74

N-ethyl acetate

Concen: 103.687 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Tgt Ion: 43 Resp: 345193

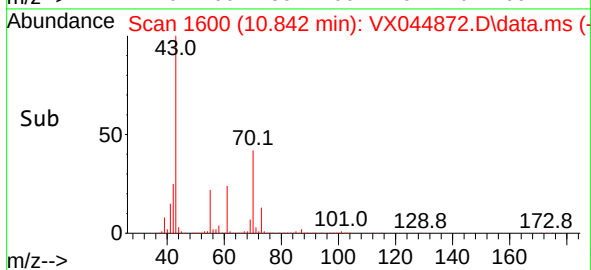
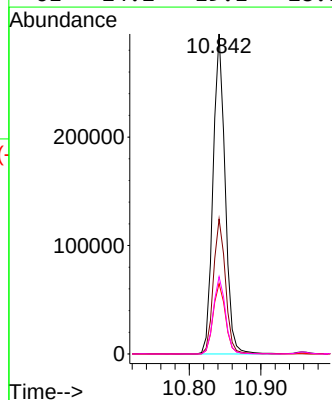
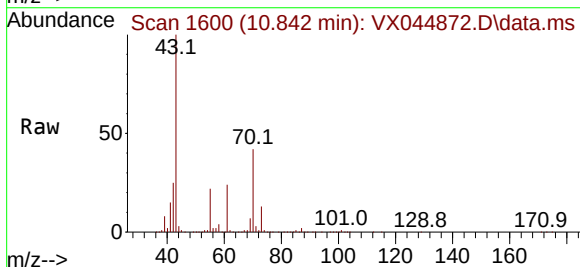
Ion Ratio Lower Upper

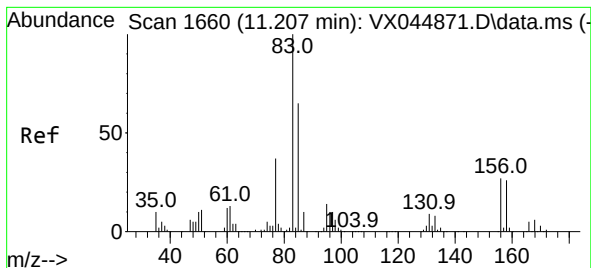
43 100

70 42.4 33.7 50.5

55 22.6 18.6 27.8

61 24.2 19.1 28.7

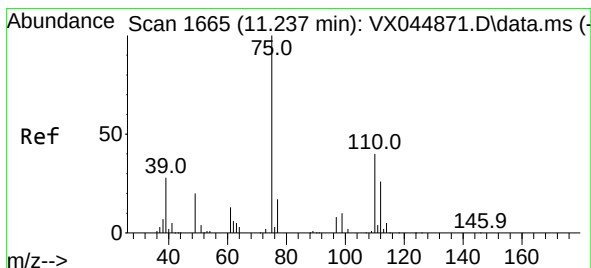
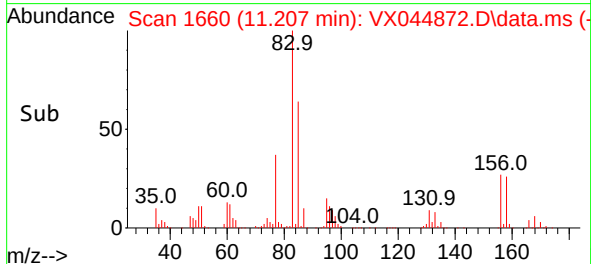
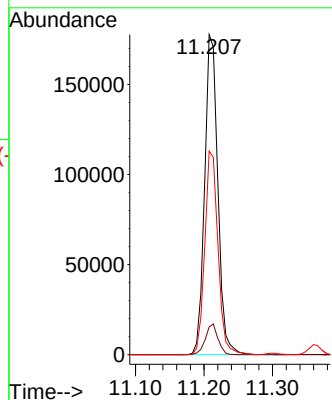
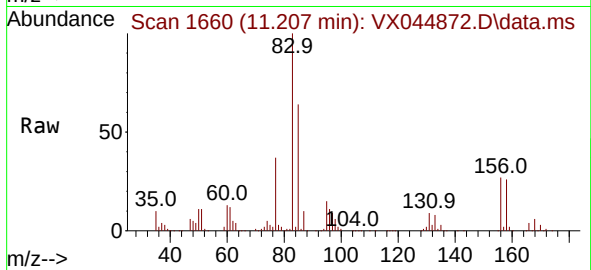




#75
 1,1,2,2-Tetrachloroethane
 Concen: 94.351 ug/l
 RT: 11.207 min Scan# 1660
 Delta R.T. 0.000 min
 Lab File: VX044872.D
 Acq: 10 Feb 2025 12:05

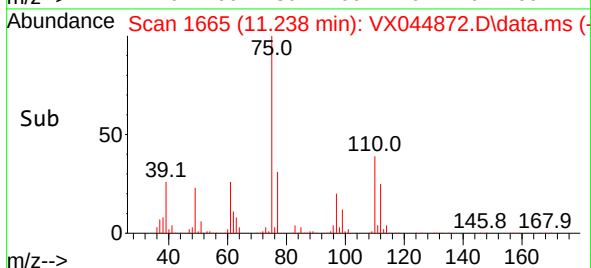
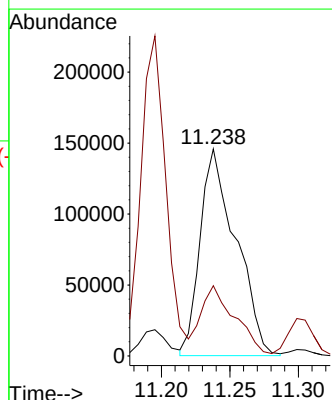
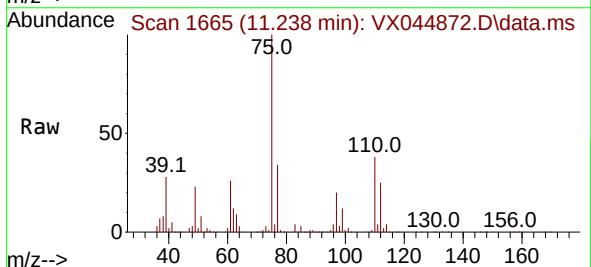
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

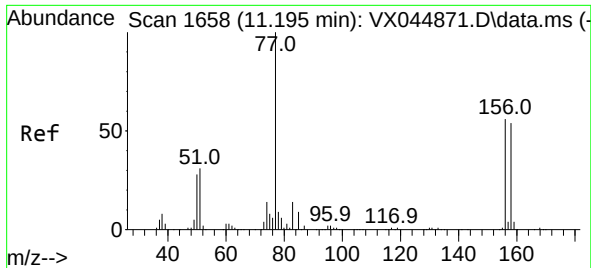
Tgt Ion: 83 Resp: 238529
 Ion Ratio Lower Upper
 83 100
 131 9.1 4.5 13.5
 85 63.9 32.3 96.8



#76
 1,2,3-Trichloropropane
 Concen: 130.869 ug/l
 RT: 11.238 min Scan# 1665
 Delta R.T. 0.000 min
 Lab File: VX044872.D
 Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 265118
 Ion Ratio Lower Upper
 75 100
 77 32.5 21.9 65.7

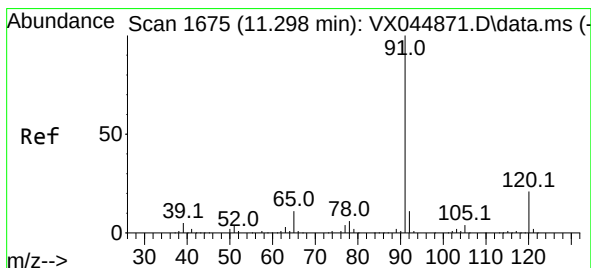
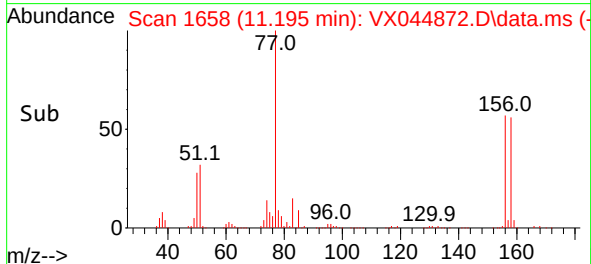
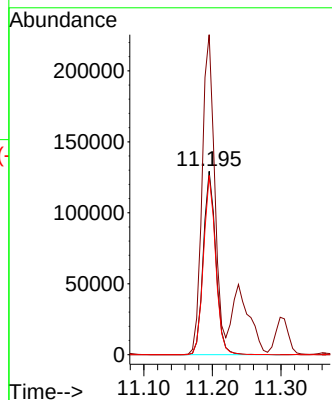
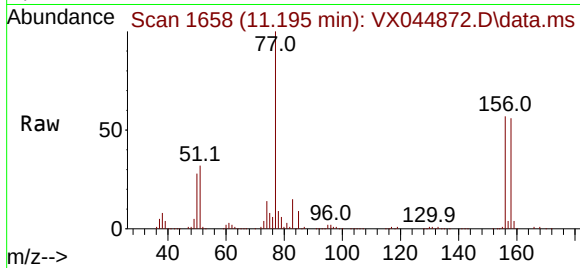




#77
Bromobenzene
Concen: 98.230 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

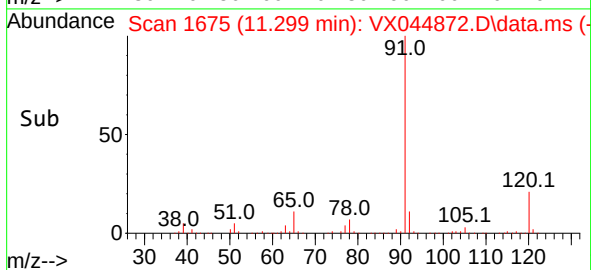
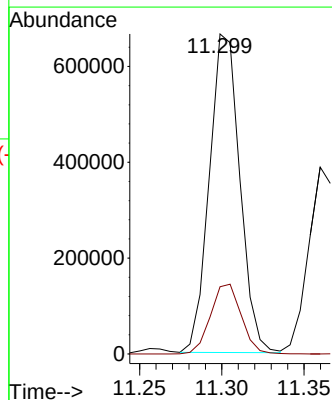
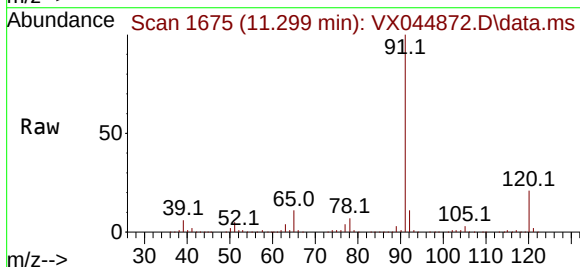
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

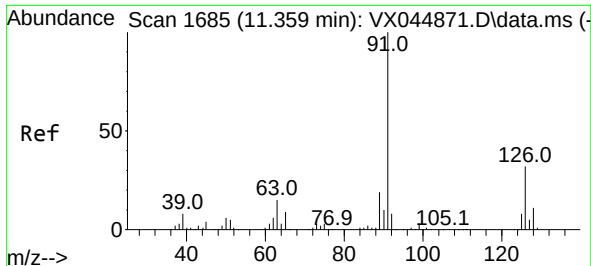
Tgt Ion:156 Resp: 163845
Ion Ratio Lower Upper
156 100
77 176.7 88.4 265.3
158 95.7 48.4 145.2



#78
n-propylbenzene
Concen: 101.132 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 91 Resp: 858793
Ion Ratio Lower Upper
91 100
120 22.1 11.1 33.3

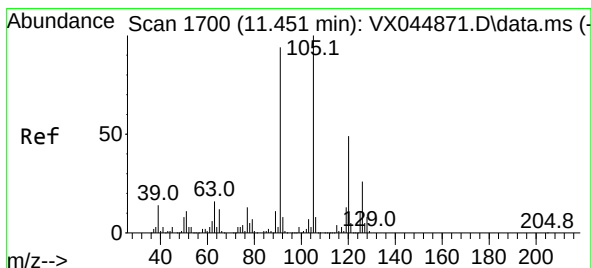
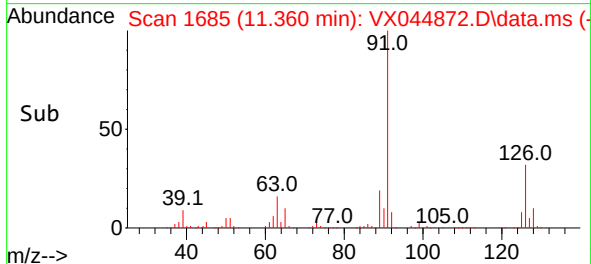
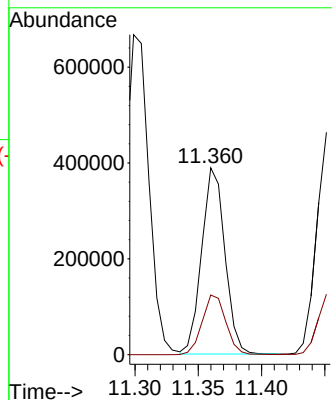
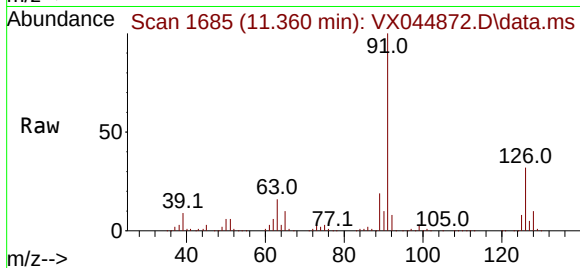




#79
2-Chlorotoluene
Concen: 95.257 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

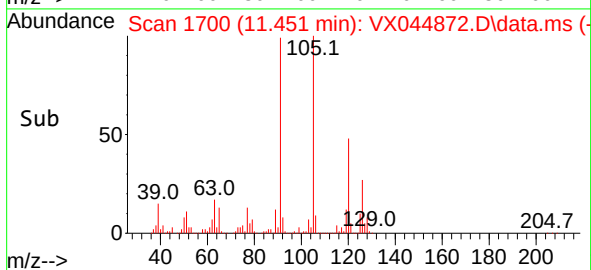
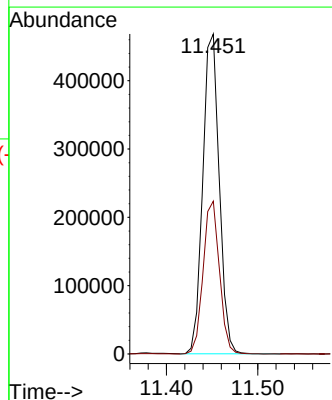
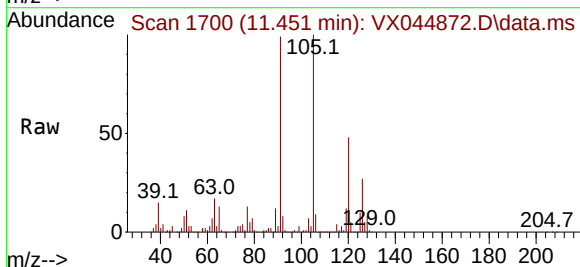
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

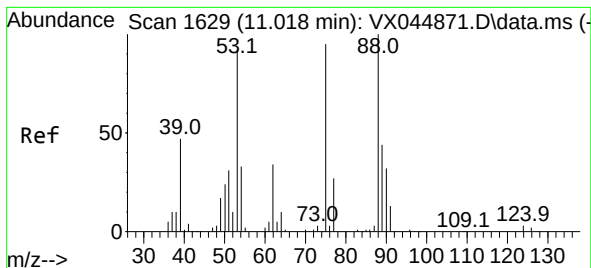
Tgt Ion: 91 Resp: 497149
Ion Ratio Lower Upper
91 100
126 32.8 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 97.966 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 105 Resp: 584885
Ion Ratio Lower Upper
105 100
120 47.4 24.0 72.0

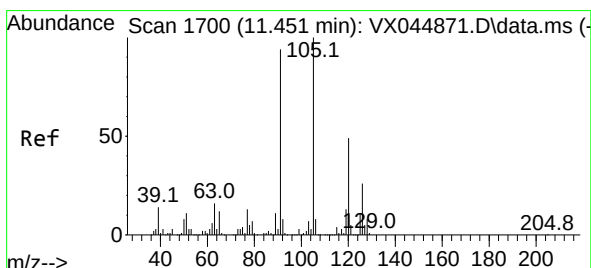
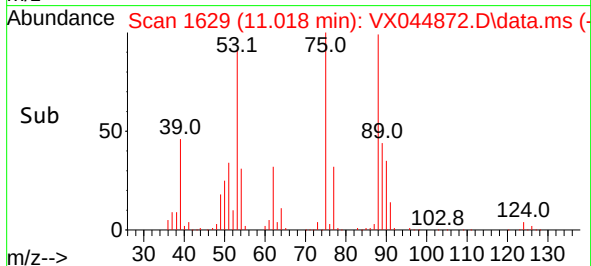
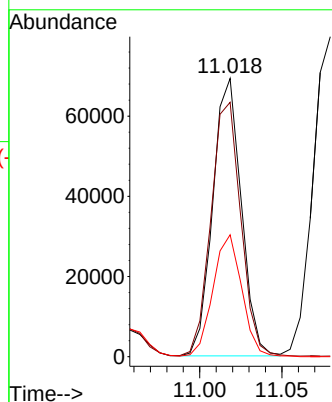
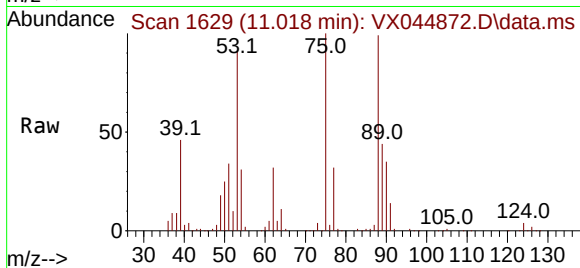




#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.006 ug/l
 RT: 11.018 min Scan# 1629
 Delta R.T. 0.000 min
 Lab File: VX044872.D
 Acq: 10 Feb 2025 12:05

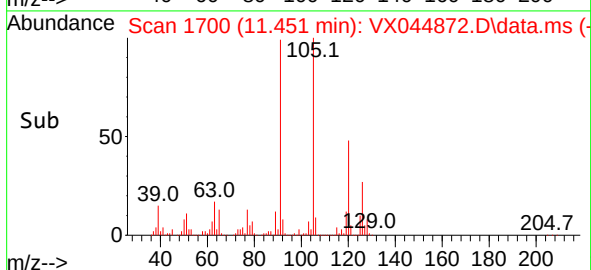
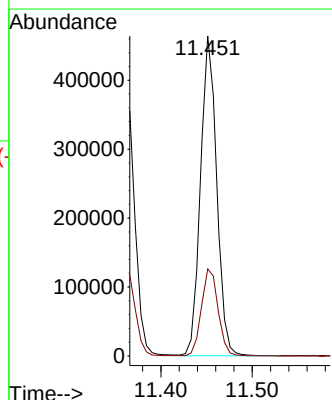
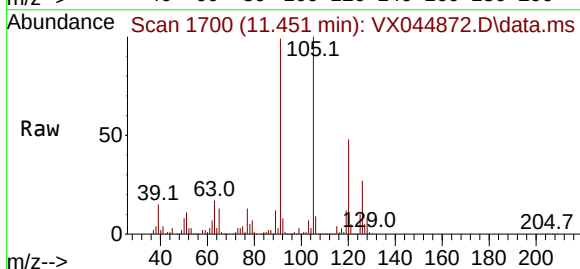
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

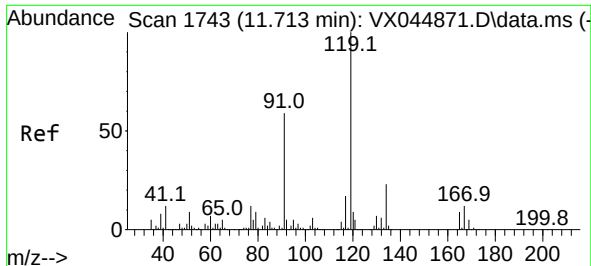
Tgt Ion: 75 Resp: 83483
 Ion Ratio Lower Upper
 75 100
 53 95.9 78.0 117.0
 89 44.6 36.6 54.8



#82
 4-Chlorotoluene
 Concen: 98.634 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX044872.D
 Acq: 10 Feb 2025 12:05

Tgt Ion: 91 Resp: 569510
 Ion Ratio Lower Upper
 91 100
 126 28.2 14.2 42.6

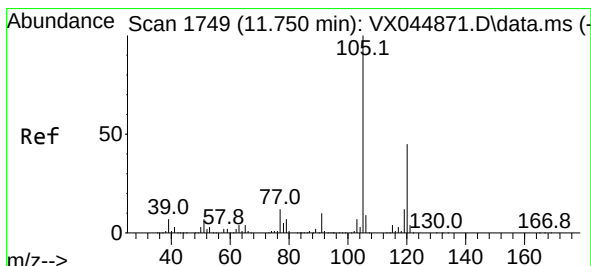
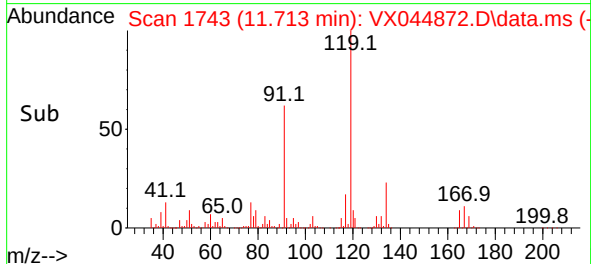
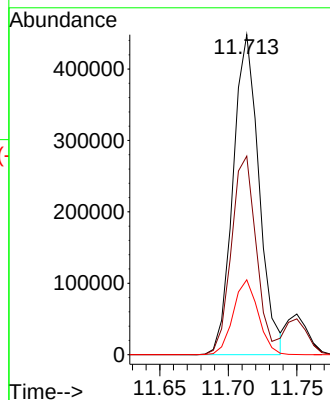
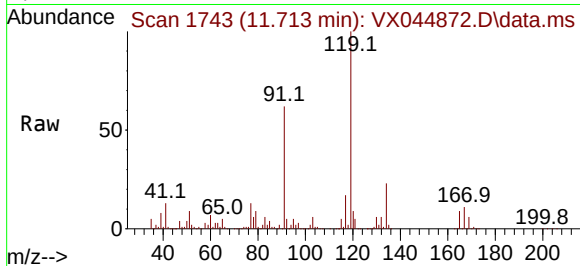




#83
 tert-Butylbenzene
 Concen: 97.917 ug/l
 RT: 11.713 min Scan# 1743
 Delta R.T. 0.000 min
 Lab File: VX044872.D
 Acq: 10 Feb 2025 12:05

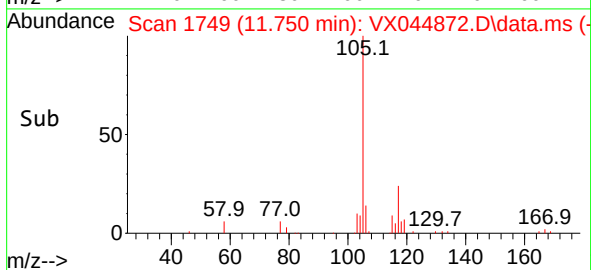
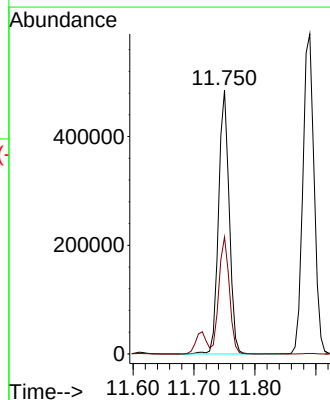
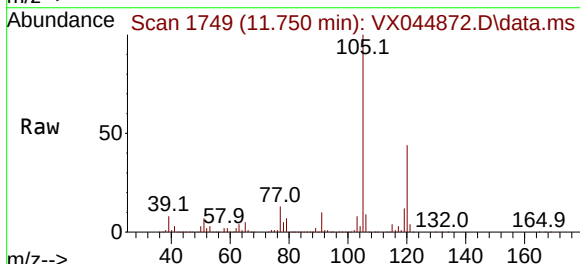
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

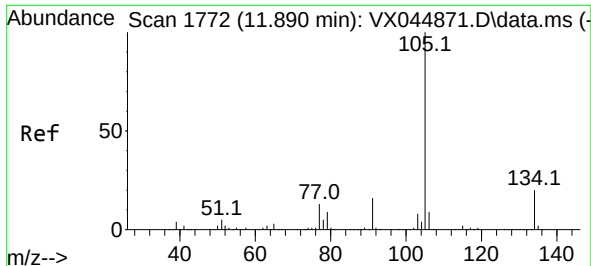
Tgt Ion:119 Resp: 591396
 Ion Ratio Lower Upper
 119 100
 91 59.2 29.1 87.4
 134 22.6 11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 99.851 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX044872.D
 Acq: 10 Feb 2025 12:05

Tgt Ion:105 Resp: 588385
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.4 67.0

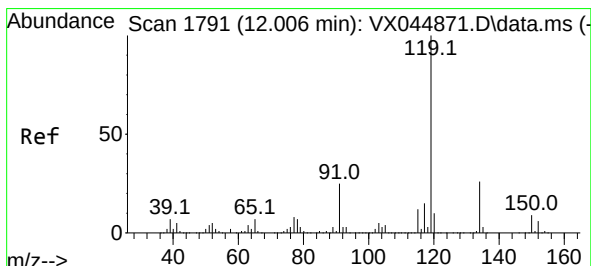
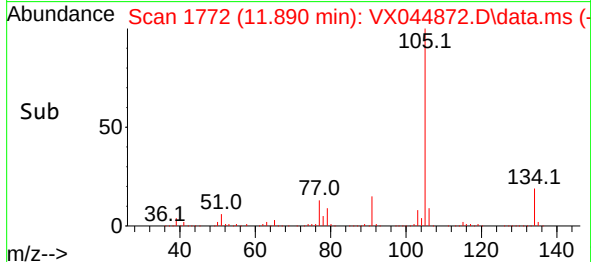
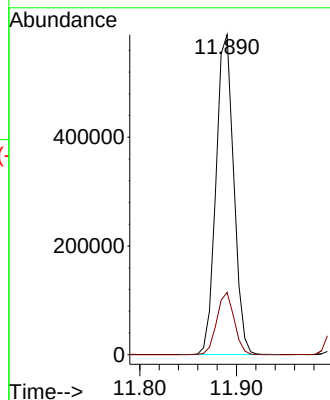
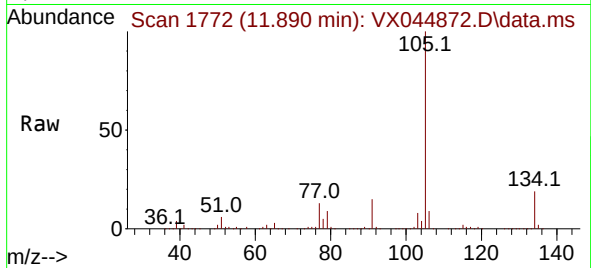




#85
 sec-Butylbenzene
 Concen: 100.219 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX044872.D
 Acq: 10 Feb 2025 12:05

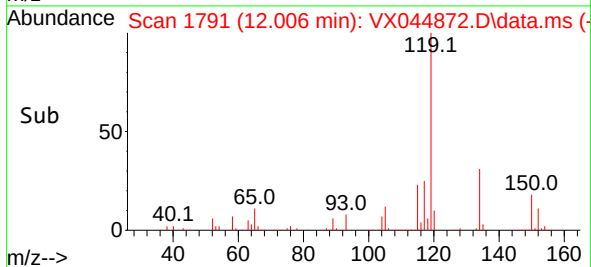
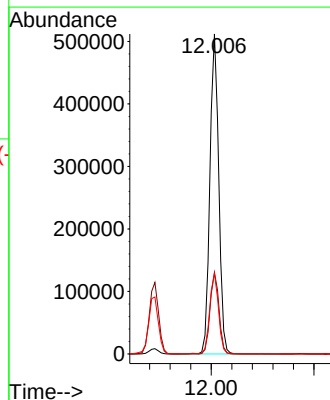
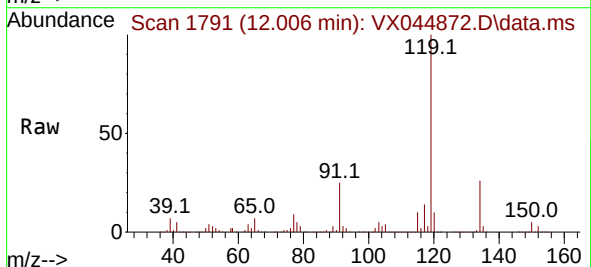
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

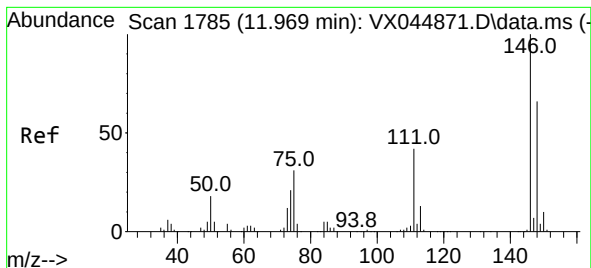
Tgt Ion:105 Resp: 749534
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 101.019 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX044872.D
 Acq: 10 Feb 2025 12:05

Tgt Ion:119 Resp: 607577
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 38.9
 91 25.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 99.061 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

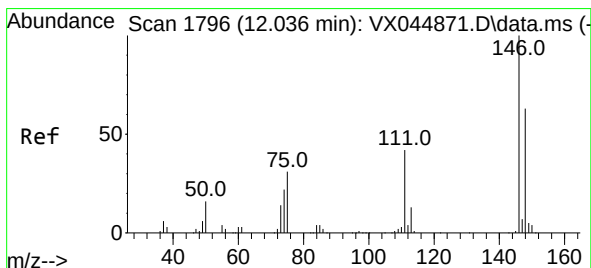
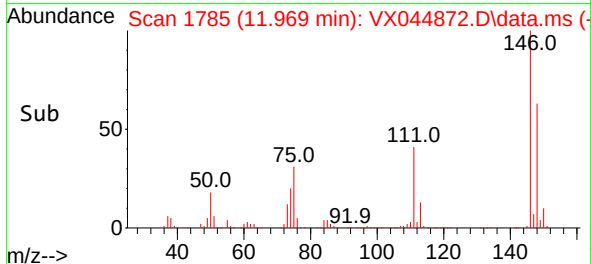
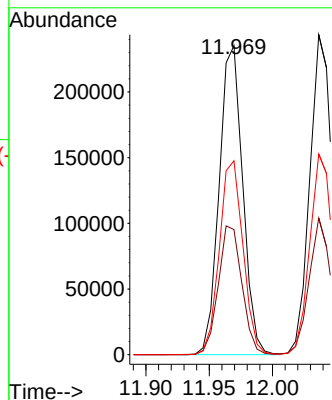
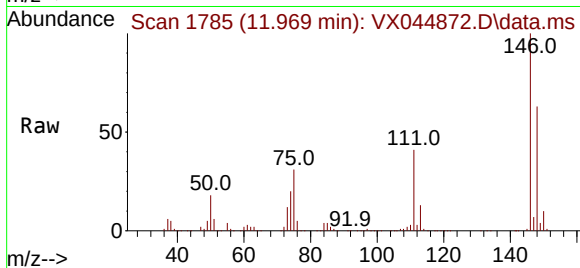
Tgt Ion:146 Resp: 303851

Ion Ratio Lower Upper

146 100

111 42.0 21.2 63.6

148 63.1 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 97.830 ug/l

RT: 12.037 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

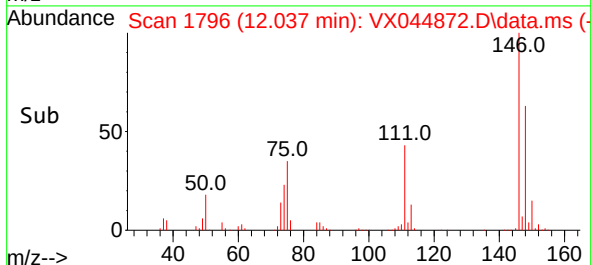
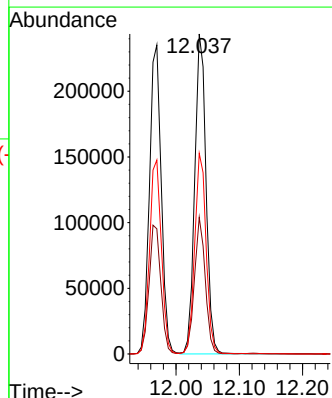
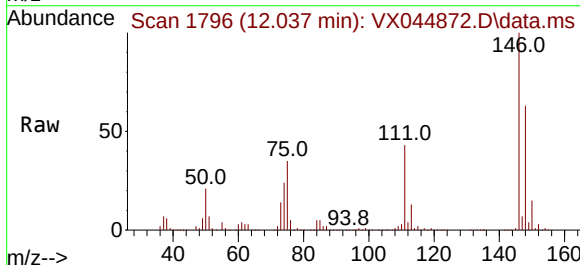
Tgt Ion:146 Resp: 303417

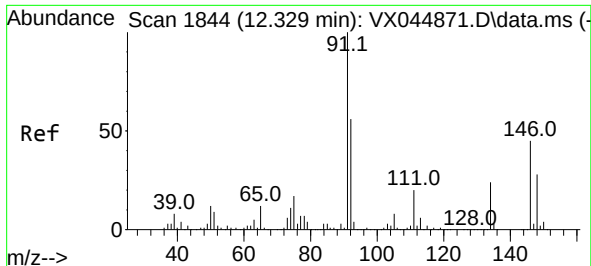
Ion Ratio Lower Upper

146 100

111 41.1 20.4 61.3

148 63.0 32.0 96.0





#89

n-Butylbenzene

Concen: 109.686 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044872.D

Acq: 10 Feb 2025 12:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

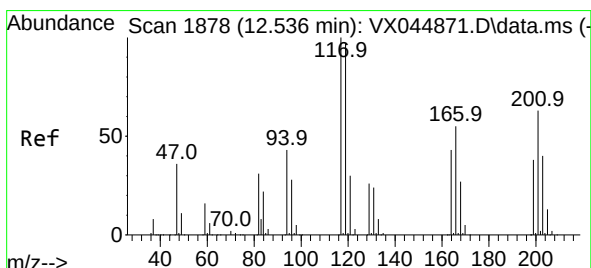
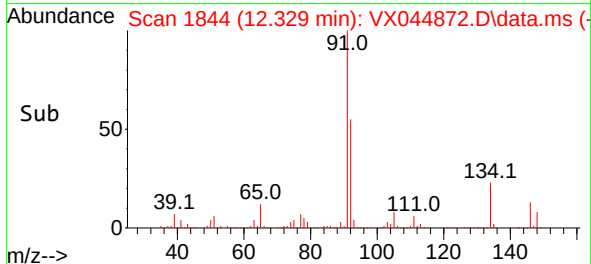
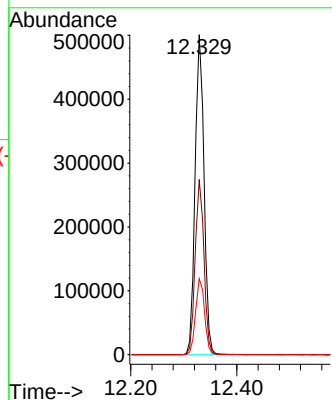
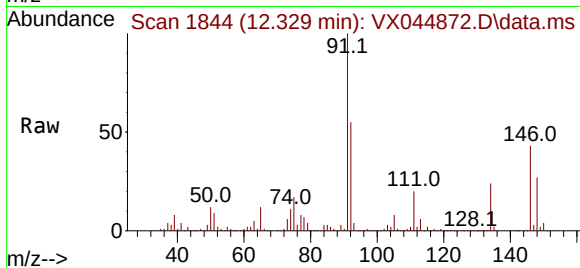
Tgt Ion: 91 Resp: 583634

Ion Ratio Lower Upper

91 100

92 54.2 27.2 81.6

134 24.0 12.1 36.3



#90

Hexachloroethane

Concen: 104.365 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044872.D

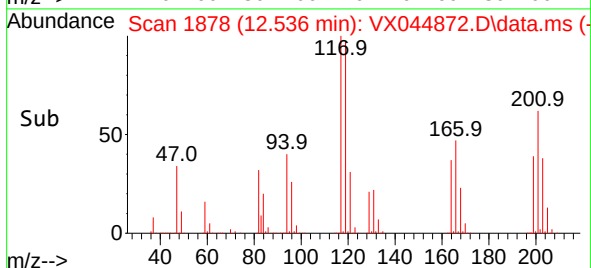
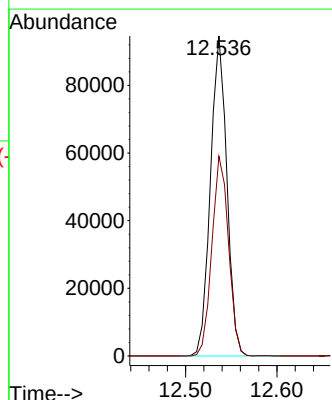
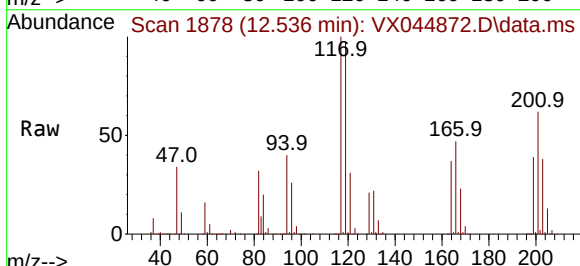
Acq: 10 Feb 2025 12:05

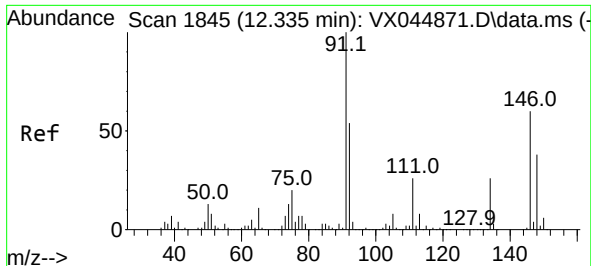
Tgt Ion: 117 Resp: 117533

Ion Ratio Lower Upper

117 100

201 63.4 32.5 97.5

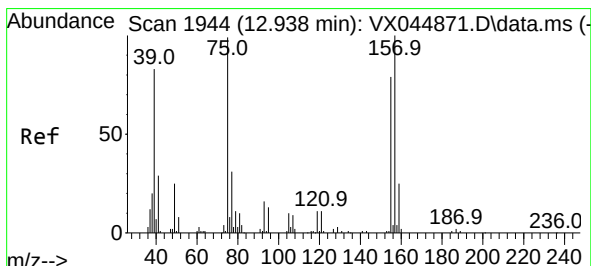
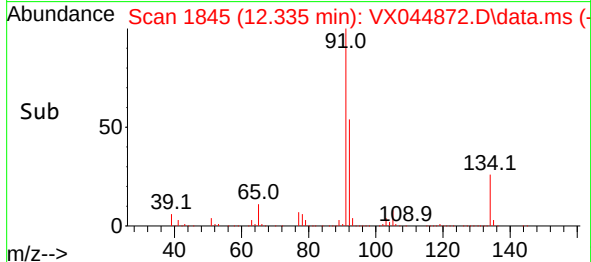
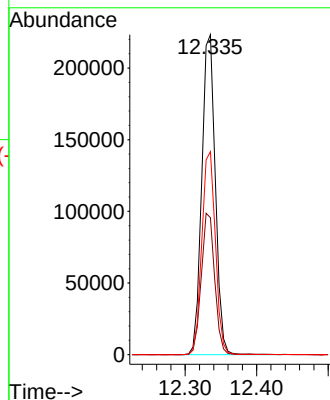
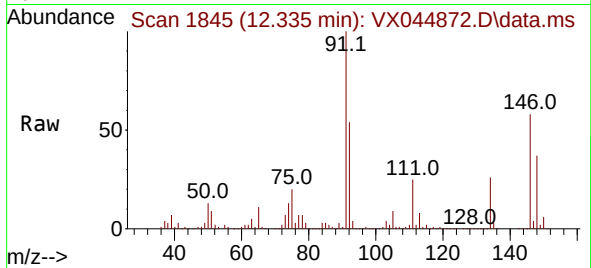




#91
1,2-Dichlorobenzene
Concen: 97.244 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

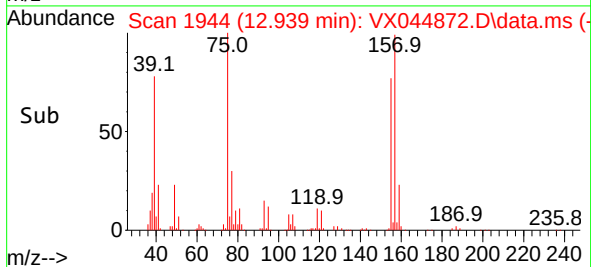
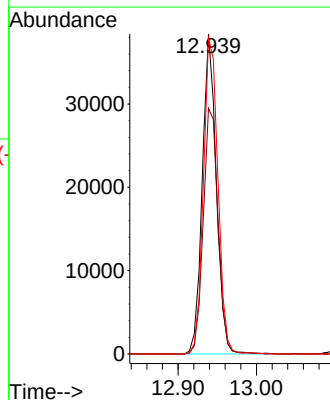
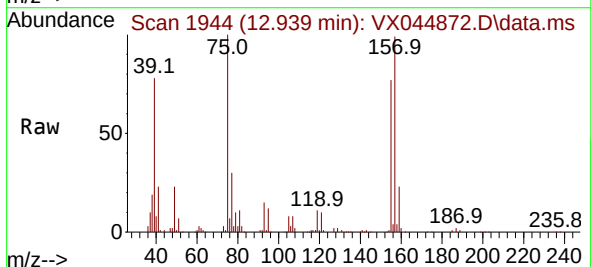
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

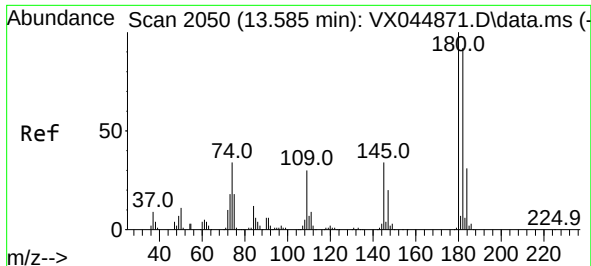
Tgt Ion:146 Resp: 293151
Ion Ratio Lower Upper
146 100
111 43.7 21.8 65.4
148 63.9 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 103.477 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion: 75 Resp: 47745
Ion Ratio Lower Upper
75 100
155 81.0 40.5 121.4
157 102.3 51.4 154.3

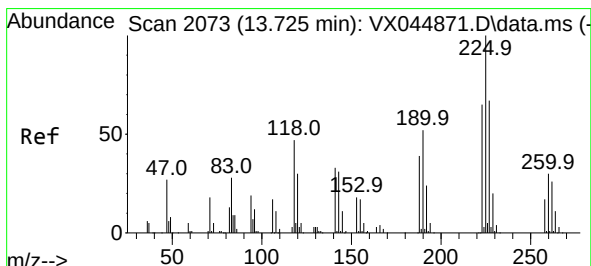
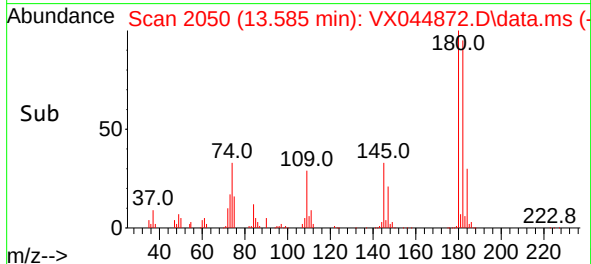
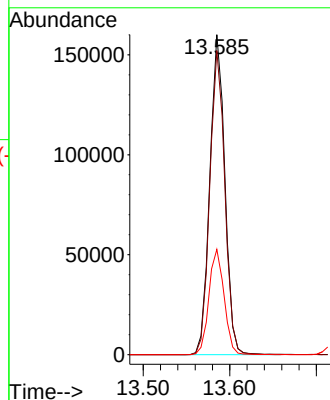
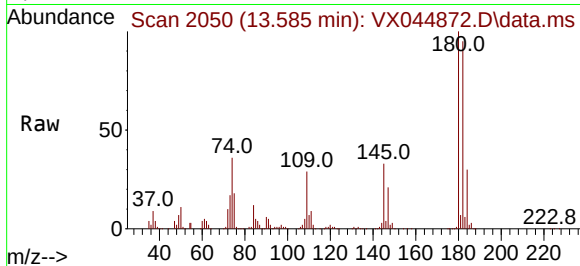




#93
1,2,4-Trichlorobenzene
Concen: 105.921 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

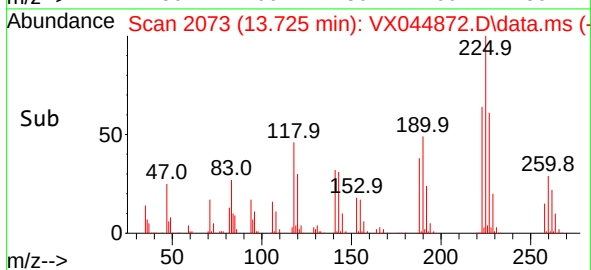
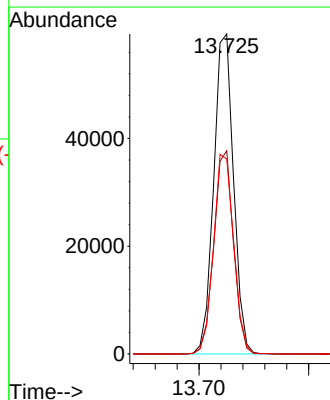
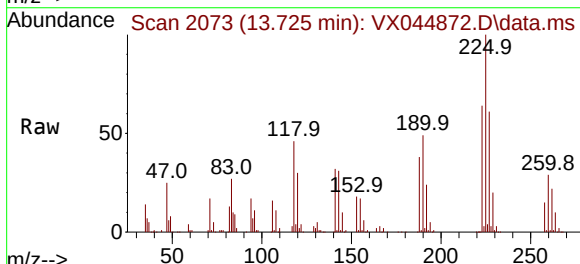
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

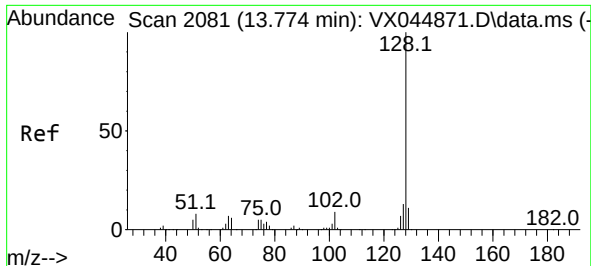
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.6	142.8
145	33.2	16.4	49.1



#94
Hexachlorobutadiene
Concen: 103.024 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.4	94.2
227	63.5	32.3	96.8



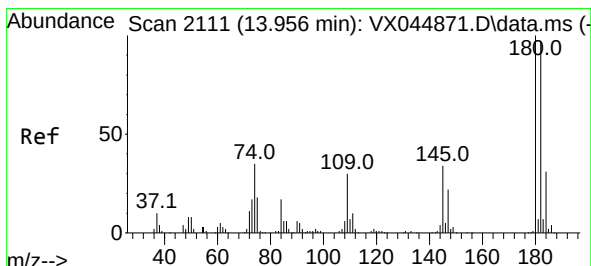
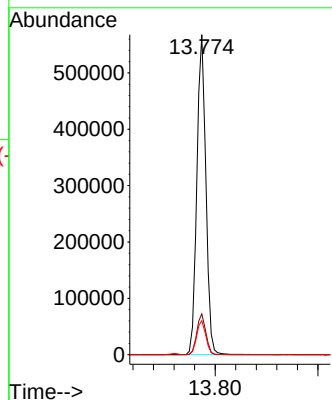
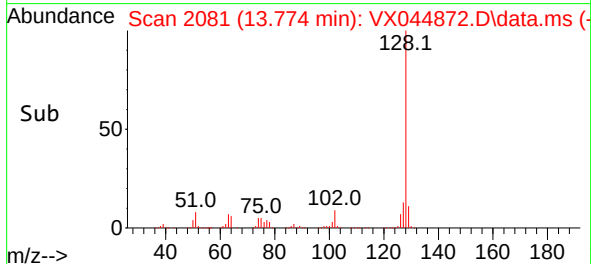
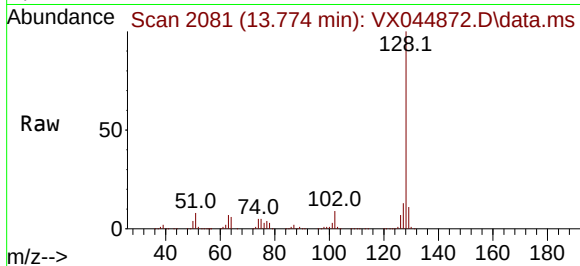


#95
Naphthalene
Concen: 104.505 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Instrument : MSVOA_X
ClientSampleId : VSTDIC100

Tgt Ion:128 Resp: 689104

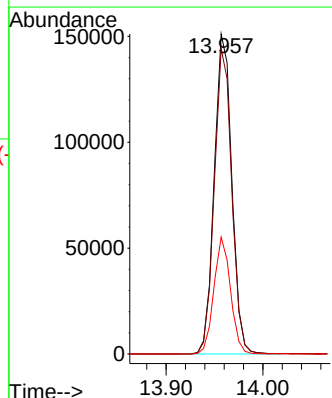
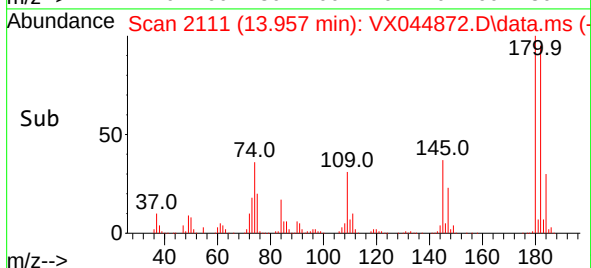
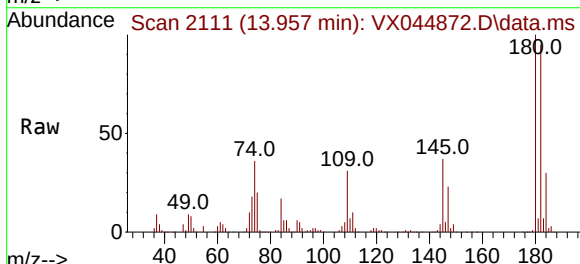
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.7	8.9	13.3



#96
1,2,3-Trichlorobenzene
Concen: 103.659 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX044872.D
Acq: 10 Feb 2025 12:05

Tgt Ion:180 Resp: 190534

Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.9	143.6
145	34.6	17.1	51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044873.D
 Acq On : 10 Feb 2025 12:28
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Feb 11 02:02:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	125253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	232597	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	196663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	84836	50.000	ug/l	# 0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.946	65	280853	153.180	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 306.360%#	
35) Dibromofluoromethane	5.379	113	229218	151.572	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 303.140%#	
50) Toluene-d8	8.647	98	845632	147.877	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 295.760%#	
62) 4-Bromofluorobenzene	11.079	95	287486	149.124	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 298.240%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	260576	148.330	ug/l	96
3) Chloromethane	1.307	50	297968	139.361	ug/l	100
4) Vinyl Chloride	1.374	62	305986	147.723	ug/l	99
5) Bromomethane	1.593	94	92399	149.071	ug/l	96
6) Chloroethane	1.660	64	67889	130.289	ug/l	97
7) Trichlorofluoromethane	1.867	101	378664	144.558	ug/l	99
8) Diethyl Ether	2.136	74	140428	147.822	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	239215	151.147	ug/l	100
10) Methyl Iodide	2.441	142	305390	148.887	ug/l	100
11) Tert butyl alcohol	3.020	59	242430	712.734	ug/l	100
12) 1,1-Dichloroethene	2.306	96	246987	152.989	ug/l	99
13) Acrolein	2.239	56	273178	778.418	ug/l	100
14) Allyl chloride	2.654	41	438493	150.289	ug/l	97
15) Acrylonitrile	3.068	53	684234	753.423	ug/l	99
16) Acetone	2.386	43	547939	743.398	ug/l	99
17) Carbon Disulfide	2.502	76	693558	156.665	ug/l	100
18) Methyl Acetate	2.703	43	373877	160.743	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	792810	154.347	ug/l	100
20) Methylene Chloride	2.782	84	270575	149.871	ug/l	100
21) trans-1,2-Dichloroethene	3.081	96	242082	152.356	ug/l	93
22) Diisopropyl ether	3.757	45	839126	152.020	ug/l	98
23) Vinyl Acetate	3.721	43	3555031	789.993	ug/l	100
24) 1,1-Dichloroethane	3.605	63	472424	152.959	ug/l	99
25) 2-Butanone	4.556	43	914741	764.276	ug/l	98
26) 2,2-Dichloropropane	4.471	77	382167	156.029	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	292864	153.446	ug/l	99
28) Bromochloromethane	4.891	49	217387	146.458	ug/l	98
29) Tetrahydrofuran	5.001	42	596045	749.977	ug/l	99
30) Chloroform	5.086	83	453809	151.509	ug/l	99
31) Cyclohexane	5.458	56	423464	148.722	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	386162	151.996	ug/l	99
36) 1,1-Dichloropropene	5.684	75	324182	148.585	ug/l	100
37) Ethyl Acetate	4.715	43	368763	151.956	ug/l	99
38) Carbon Tetrachloride	5.672	117	320536	149.921	ug/l	98
39) Methylcyclohexane	7.373	83	443218	157.130	ug/l	99
40) Benzene	6.031	78	1014129	148.856	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044873.D
 Acq On : 10 Feb 2025 12:28
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Feb 11 02:02:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 01:47:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	206155	158.707	ug/l	100
42) 1,2-Dichloroethane	6.080	62	336520	154.984	ug/l	99
43) Isopropyl Acetate	6.336	43	617516	157.575	ug/l	99
44) Trichloroethene	7.117	130	239030	153.496	ug/l	99
45) 1,2-Dichloropropane	7.427	63	259454	153.076	ug/l	100
46) Dibromomethane	7.574	93	179689	152.870	ug/l	99
47) Bromodichloromethane	7.818	83	357623	157.128	ug/l	98
48) Methyl methacrylate	7.690	41	297931	161.236	ug/l	99
49) 1,4-Dioxane	7.665	88	106175	2678.192	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	1736538	728.887	ug/l	100
52) Toluene	8.714	92	603113	148.645	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	378639	164.398	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	417724	162.667	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	229548	147.172	ug/l	98
56) Ethyl methacrylate	9.116	69	398535	158.205	ug/l	99
57) 1,3-Dichloropropane	9.305	76	403665	147.915	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	982120	794.010	ug/l	100
59) 2-Hexanone	9.433	43	1264470	736.622	ug/l	99
60) Dibromochloromethane	9.519	129	258320	154.862	ug/l	99
61) 1,2-Dibromoethane	9.604	107	240539	152.157	ug/l	99
64) Tetrachloroethene	9.269	164	184990	149.155	ug/l	96
65) Chlorobenzene	10.073	112	634550	150.224	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	212441	156.255	ug/l	99
67) Ethyl Benzene	10.189	91	1137842	152.647	ug/l	100
68) m/p-Xylenes	10.299	106	818971	297.841	ug/l	98
69) o-Xylene	10.640	106	401928	145.674	ug/l	99
70) Styrene	10.653	104	671843	151.140	ug/l	98
71) Bromoform	10.799	173	169481	167.033	ug/l #	98
73) Isopropylbenzene	10.957	105	1037402	151.869	ug/l	99
74) N-amyl acetate	10.841	43	521962	168.861	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	346013	147.409	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	392008	208.411	ug/l	82
77) Bromobenzene	11.195	156	234957	151.715	ug/l	99
78) n-propylbenzene	11.305	91	1231079	156.140	ug/l	99
79) 2-Chlorotoluene	11.360	91	717766	148.123	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	822707	148.415	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	126660	173.221	ug/l	98
82) 4-Chlorotoluene	11.451	91	818099	152.602	ug/l	99
83) tert-Butylbenzene	11.713	119	838979	149.610	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	838584	153.274	ug/l	99
85) sec-Butylbenzene	11.890	105	1061101	152.806	ug/l	100
86) p-Isopropyltoluene	12.006	119	865491	154.987	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	433384	152.175	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	432987	150.362	ug/l	100
89) n-Butylbenzene	12.329	91	827359	167.469	ug/l	100
90) Hexachloroethane	12.536	117	175414	167.760	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	417167	149.042	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	73593	171.783	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	283004	167.095	ug/l	98
94) Hexachlorobutadiene	13.725	225	104674	155.682	ug/l	97
95) Naphthalene	13.774	128	1015801	165.916	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	282289	165.408	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

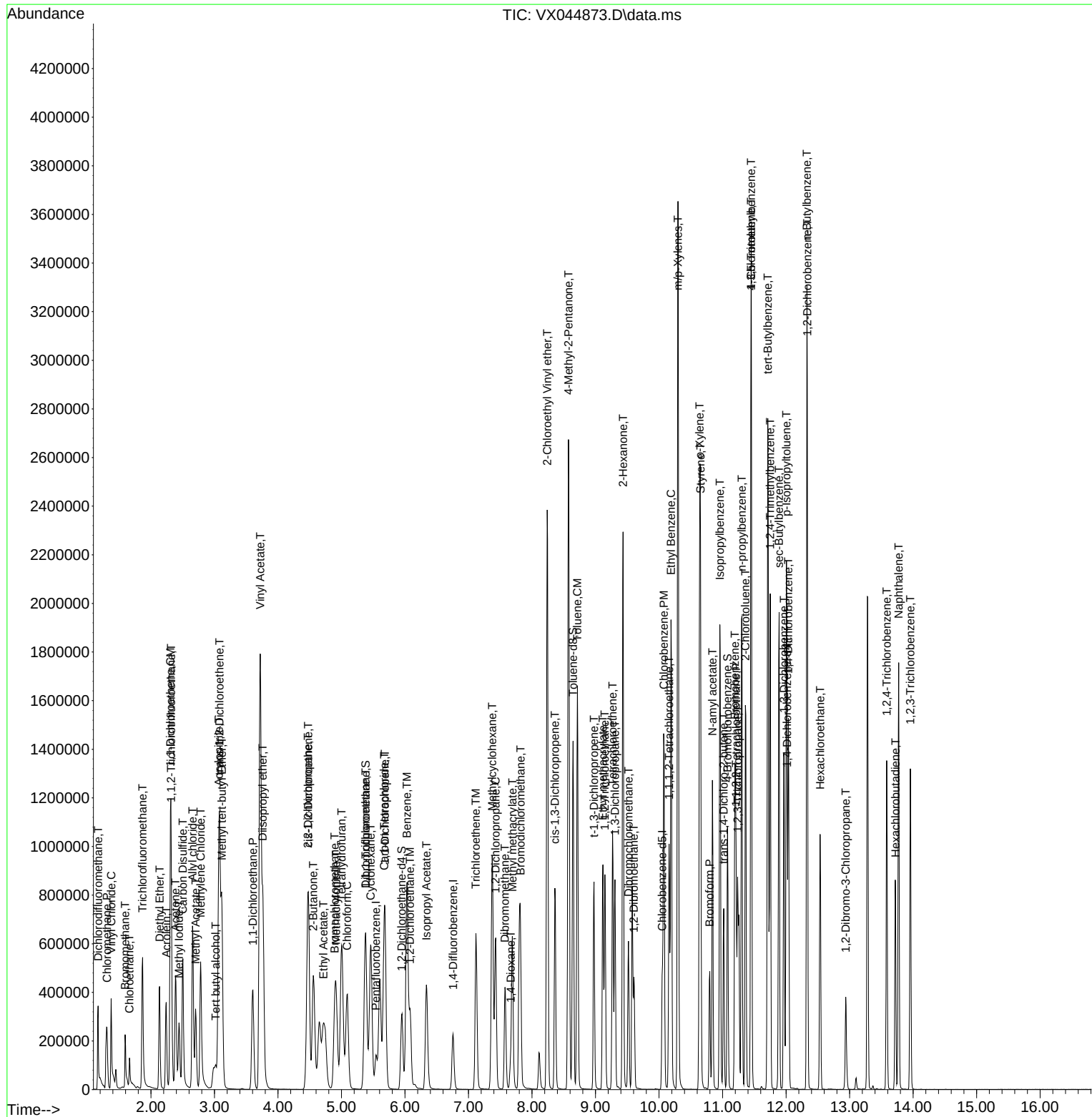
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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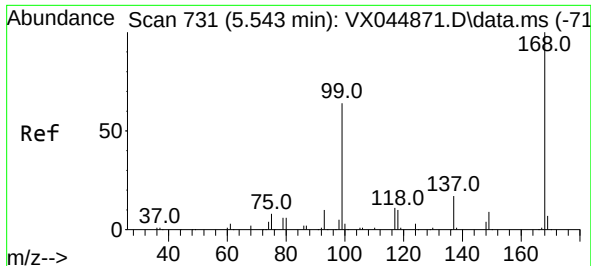
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044873.D
Acq On : 10 Feb 2025 12:28
Operator : JC/MD
Sample : VSTDIC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Quant Time: Feb 11 02:02:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 01:47:50 2025
Response via : Initial Calibration

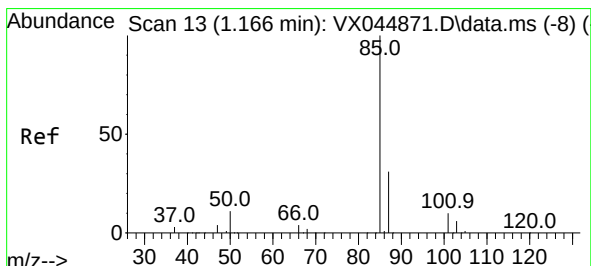
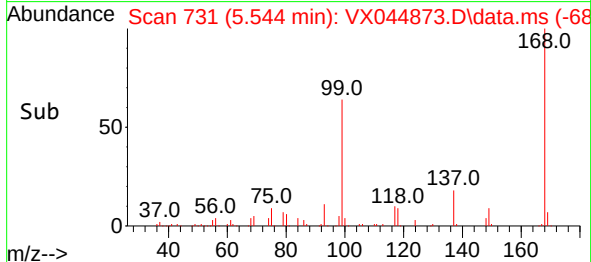
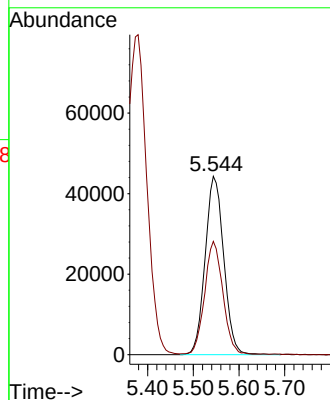
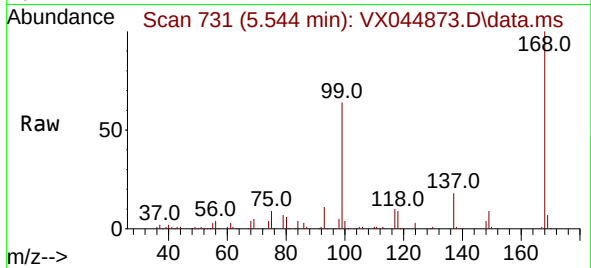




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

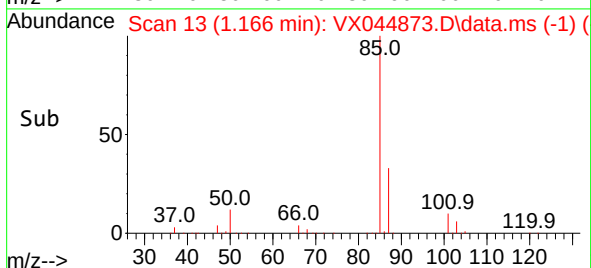
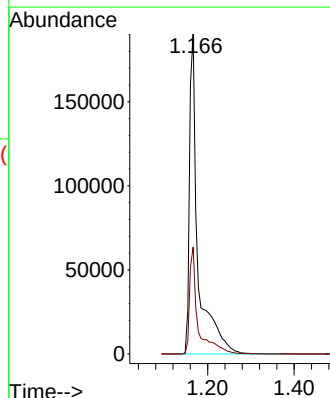
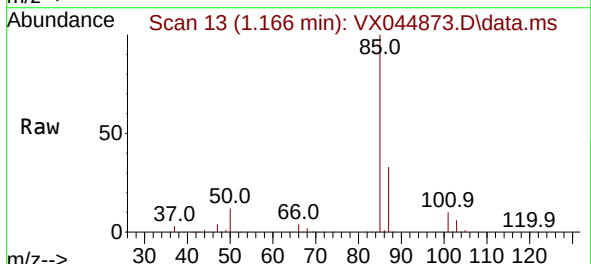
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

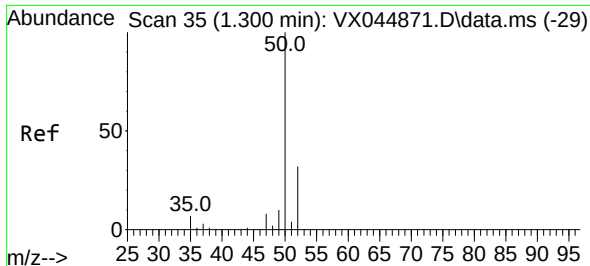
Tgt Ion:168 Resp: 125253
Ion Ratio Lower Upper
168 100
99 63.2 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 148.330 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 85 Resp: 260576
Ion Ratio Lower Upper
85 100
87 33.4 15.8 47.3

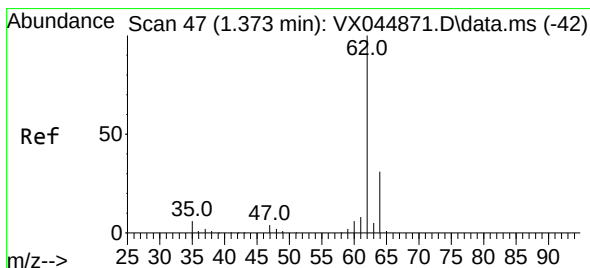
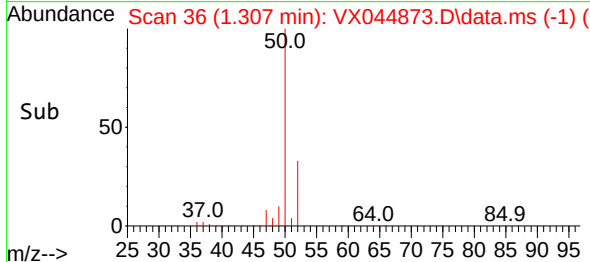
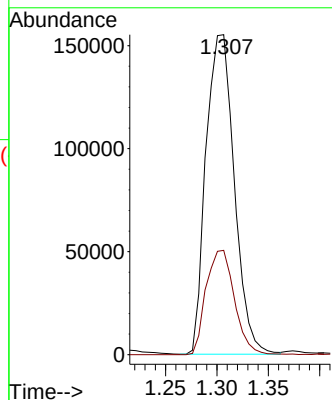
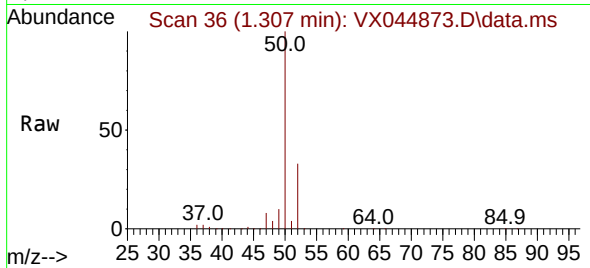




#3
Chloromethane
Concen: 139.361 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

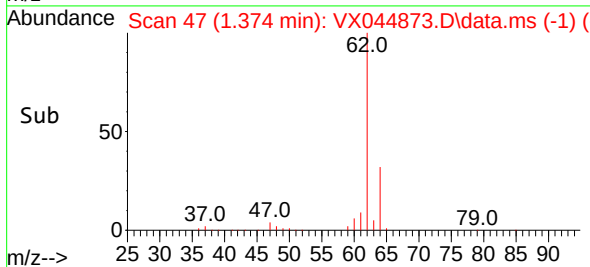
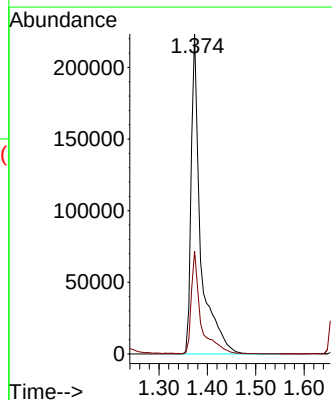
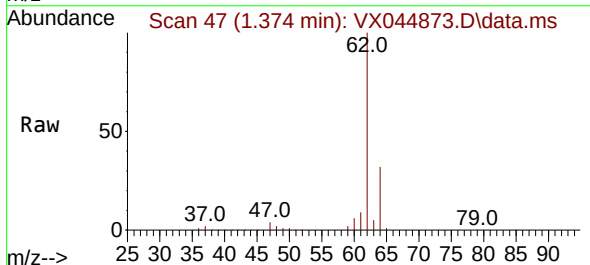
Instrument :
MSVOA_X
ClientSampleId :
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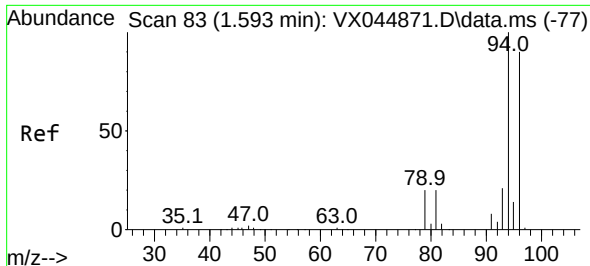
Tgt Ion: 50 Resp: 297968
Ion Ratio Lower Upper
50 100
52 32.7 25.9 38.9



#4
Vinyl Chloride
Concen: 147.723 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 62 Resp: 305986
Ion Ratio Lower Upper
62 100
64 32.1 25.4 38.0

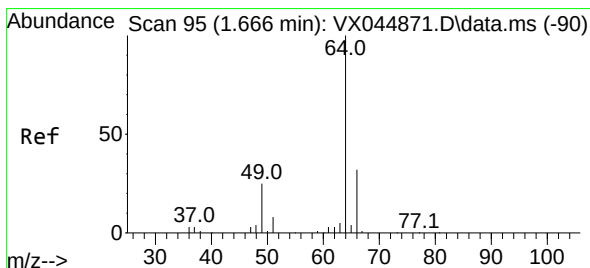
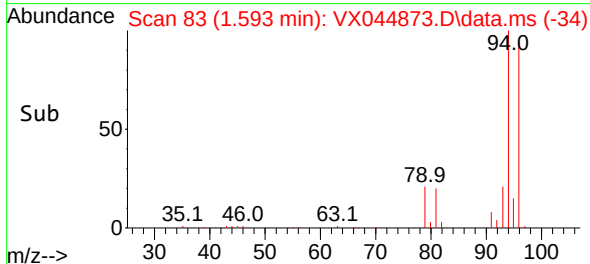
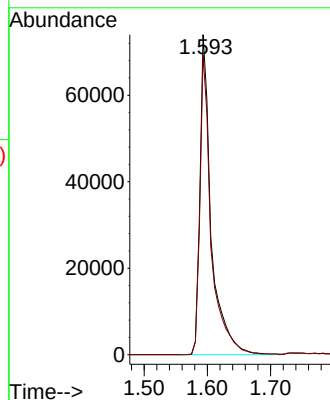
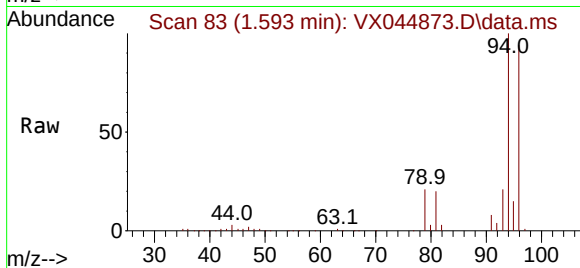




#5
Bromomethane
Concen: 149.071 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

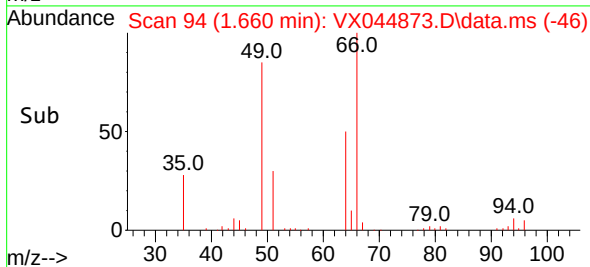
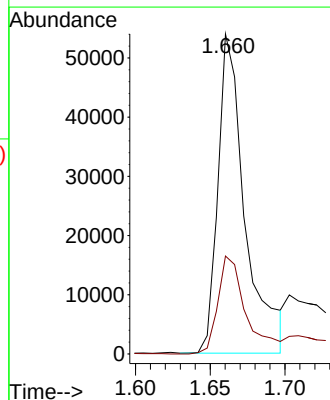
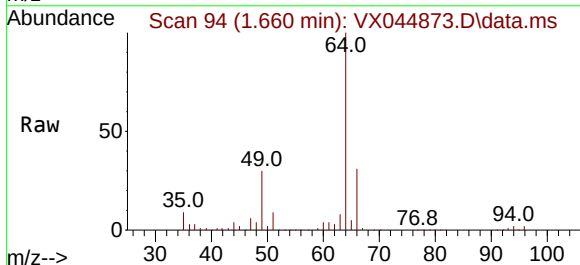
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

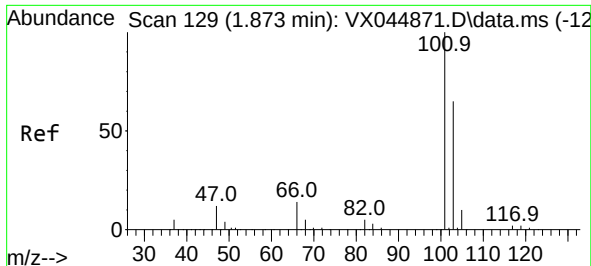
Tgt Ion: 94 Resp: 92399
Ion Ratio Lower Upper
94 100
96 93.6 71.6 107.4



#6
Chloroethane
Concen: 130.289 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 64 Resp: 67889
Ion Ratio Lower Upper
64 100
66 30.7 25.9 38.9

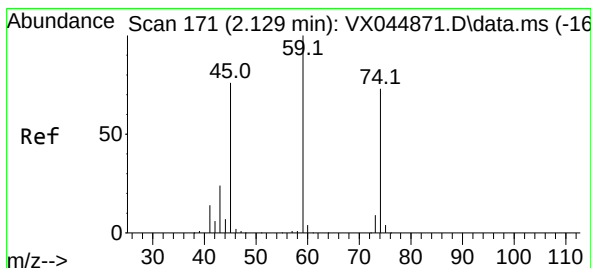
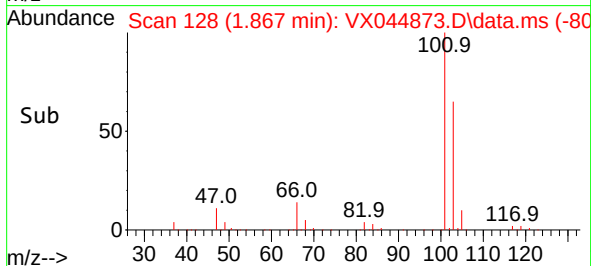
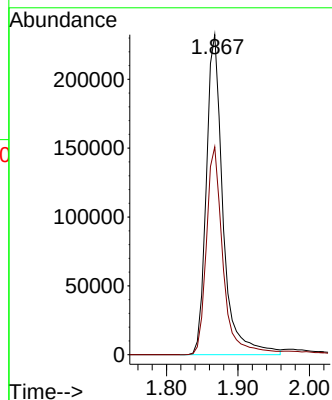
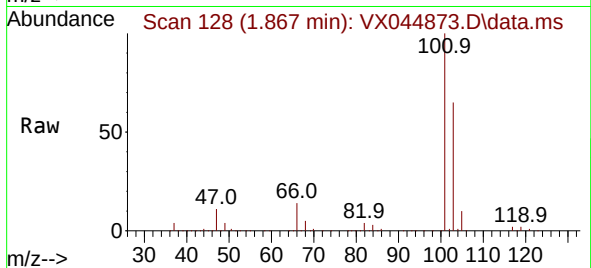




#7
Trichlorofluoromethane
Concen: 144.558 ug/l
RT: 1.867 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

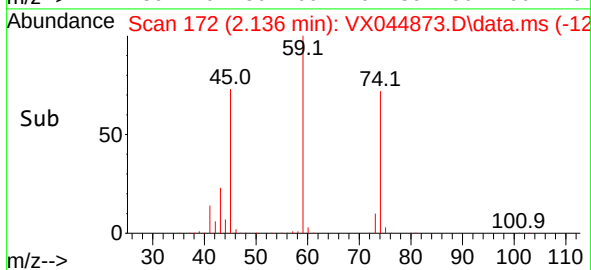
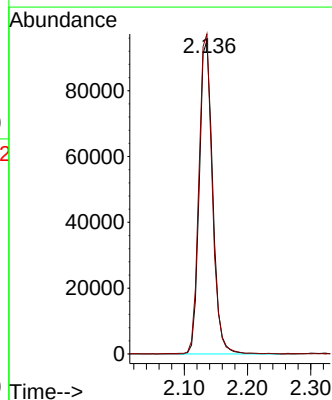
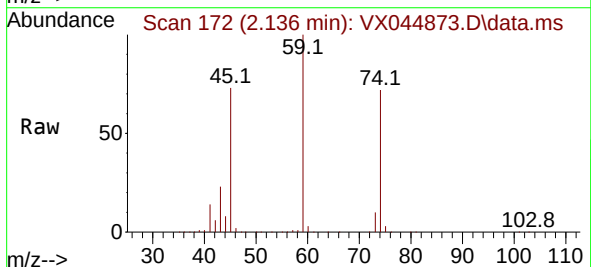
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

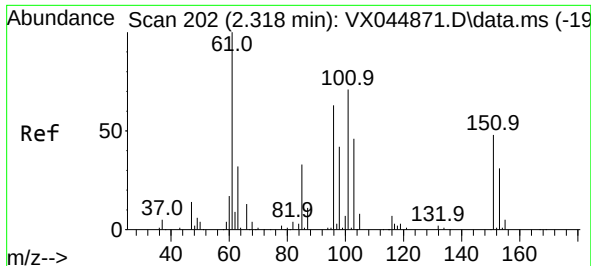
Tgt Ion:101 Resp: 378664
Ion Ratio Lower Upper
101 100
103 65.0 52.4 78.6



#8
Diethyl Ether
Concen: 147.822 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 74 Resp: 140428
Ion Ratio Lower Upper
74 100
45 102.1 51.1 153.4

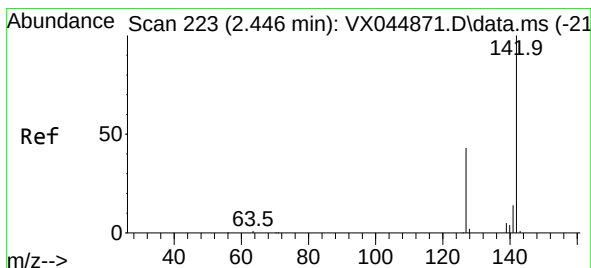
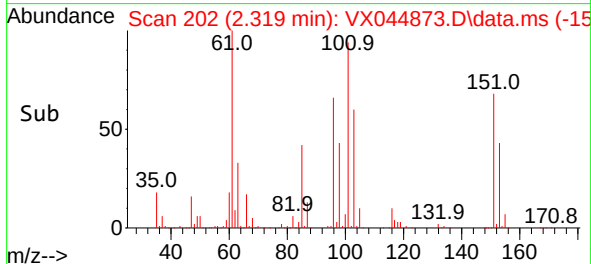
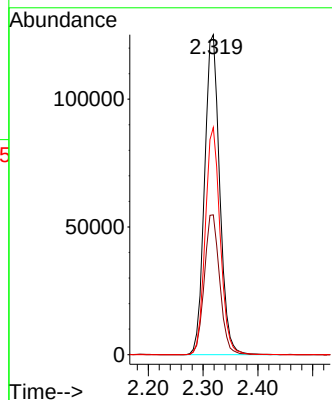
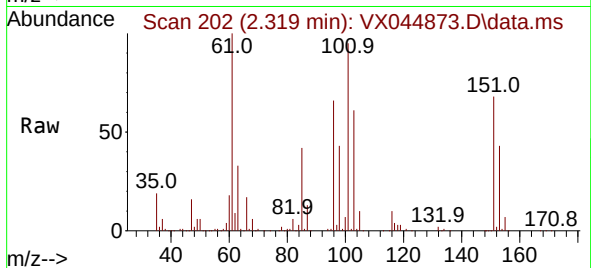




#9
1,1,2-Trichlorotrifluoroethane
Concen: 151.147 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

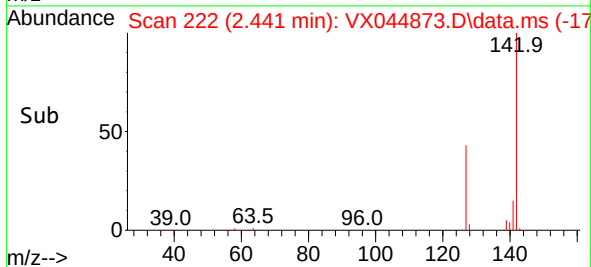
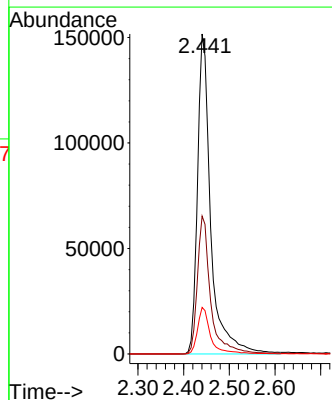
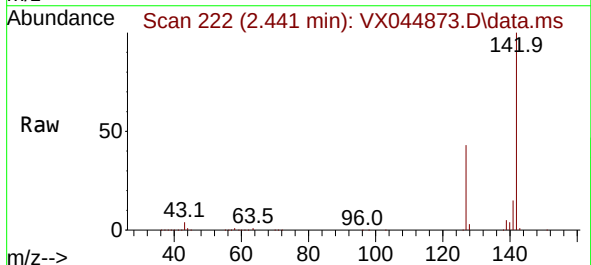
Instrument :
MSVOA_X
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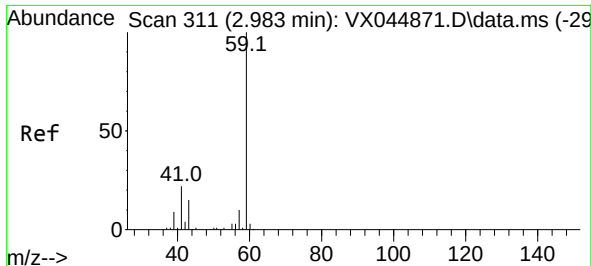
Tgt Ion:101 Resp: 239215
Ion Ratio Lower Upper
101 100
85 44.5 35.7 53.5
151 70.2 56.0 84.0



#10
Methyl Iodide
Concen: 148.887 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:142 Resp: 305390
Ion Ratio Lower Upper
142 100
127 43.1 34.3 51.5
141 14.4 11.4 17.2

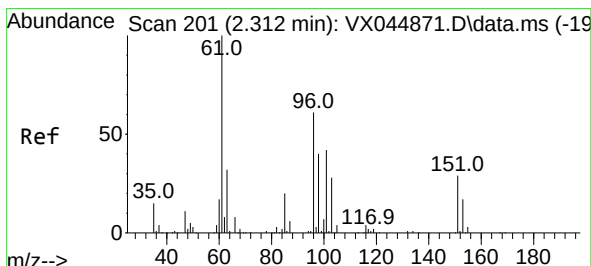
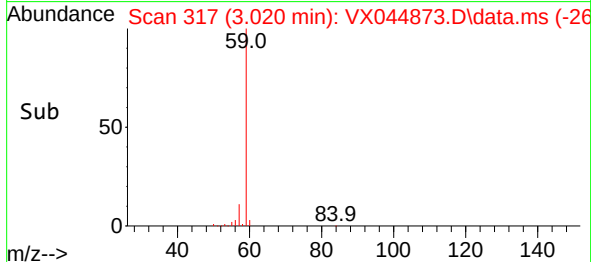
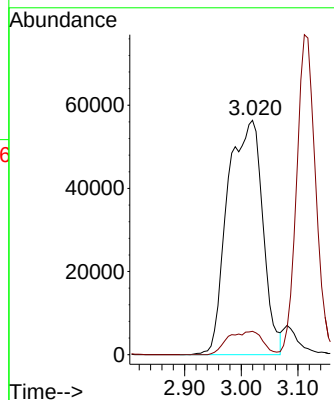
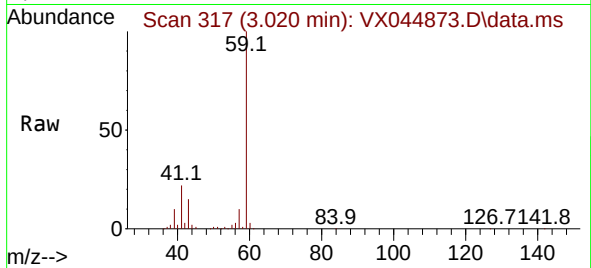




#11
Tert butyl alcohol
Concen: 712.734 ug/l
RT: 3.020 min Scan# 311
Delta R.T. 0.037 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

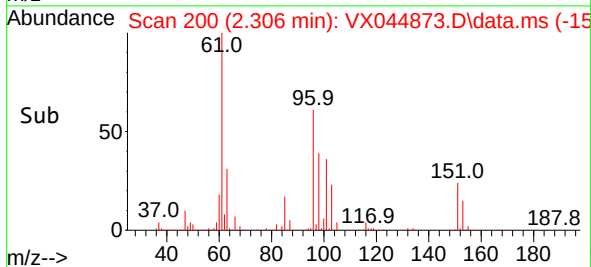
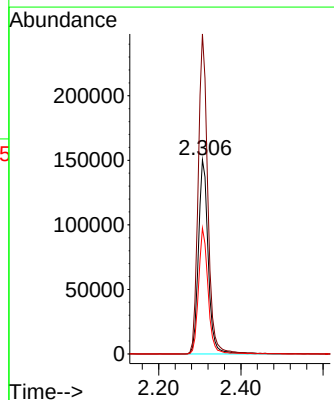
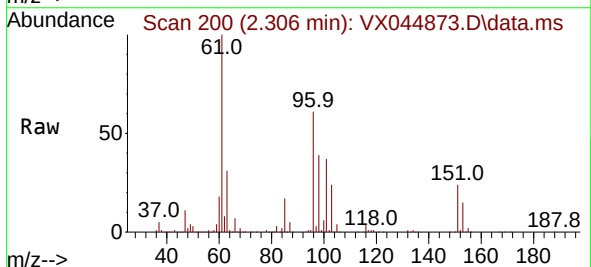
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

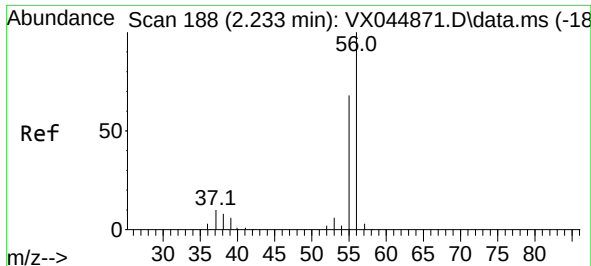
Tgt Ion: 59 Resp: 242430
Ion Ratio Lower Upper
59 100
57 9.9 8.1 12.1



#12
1,1-Dichloroethene
Concen: 152.989 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 96 Resp: 246987
Ion Ratio Lower Upper
96 100
61 164.9 130.2 195.4
98 64.8 52.2 78.4

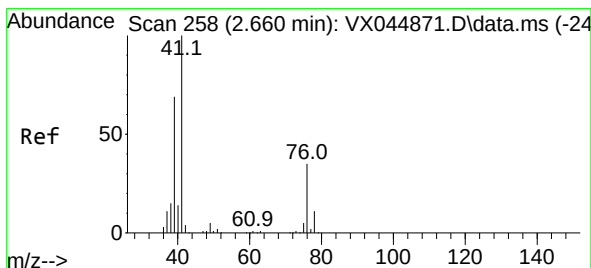
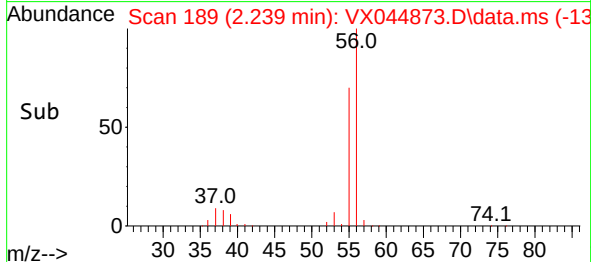
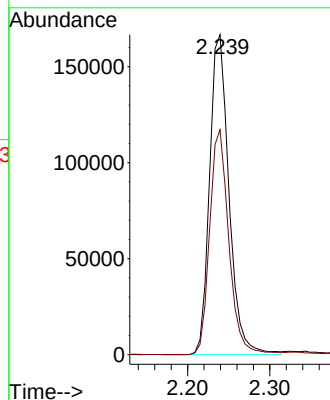
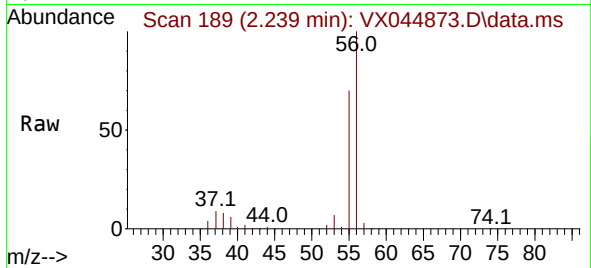




#13
Acrolein
Concen: 778.418 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

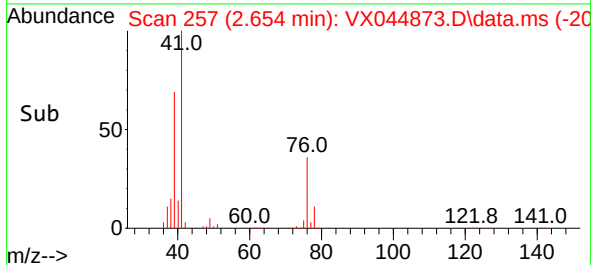
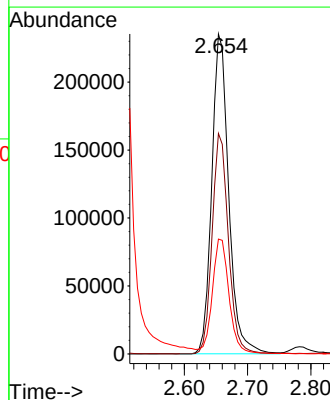
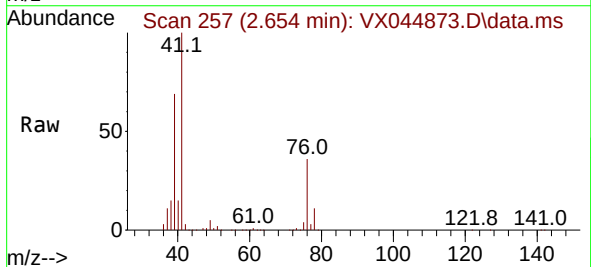
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

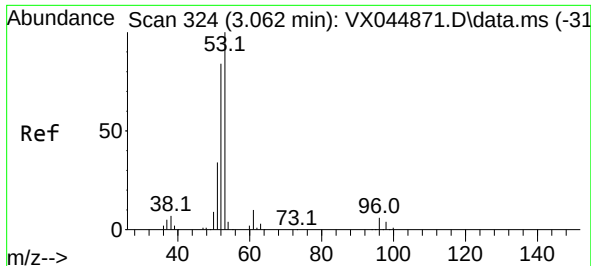
Tgt Ion: 56 Resp: 273178
Ion Ratio Lower Upper
56 100
55 69.6 55.7 83.5



#14
Allyl chloride
Concen: 150.289 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 41 Resp: 438493
Ion Ratio Lower Upper
41 100
39 66.1 51.4 77.2
76 35.7 27.0 40.4

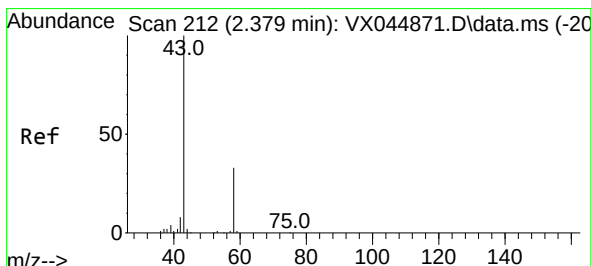
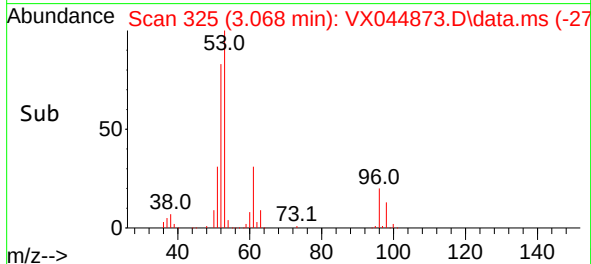
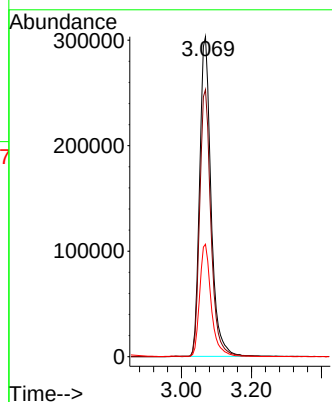
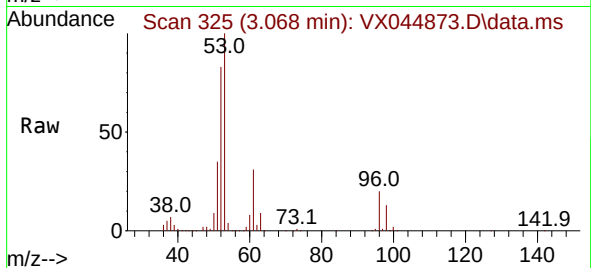




#15
Acrylonitrile
Concen: 753.423 ug/l
RT: 3.068 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

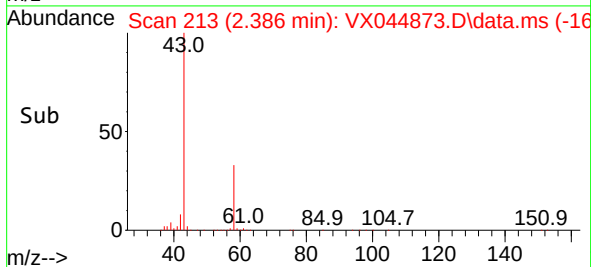
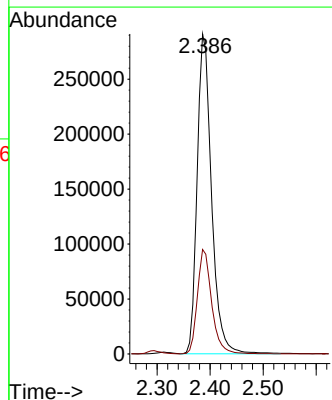
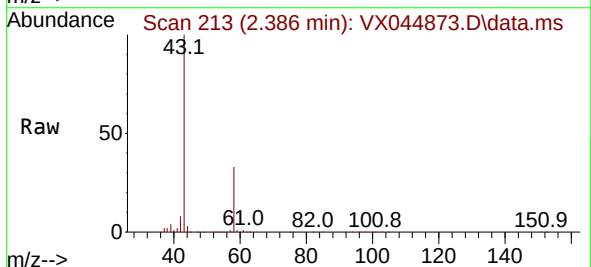
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

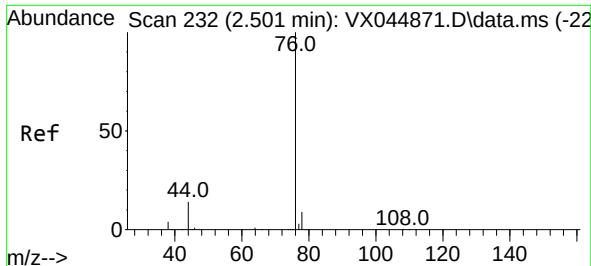
Tgt Ion: 53 Resp: 684234
Ion Ratio Lower Upper
53 100
52 82.9 65.0 97.6
51 35.2 28.0 42.0



#16
Acetone
Concen: 743.398 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 547939
Ion Ratio Lower Upper
43 100
58 32.6 26.5 39.7

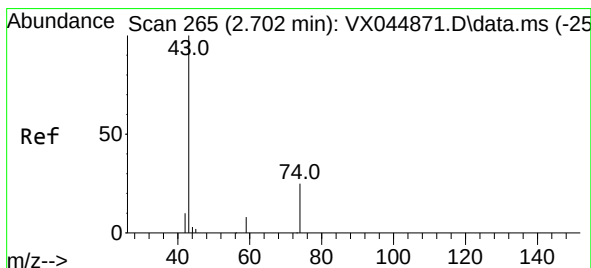
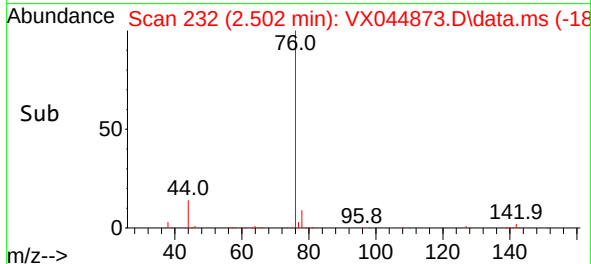
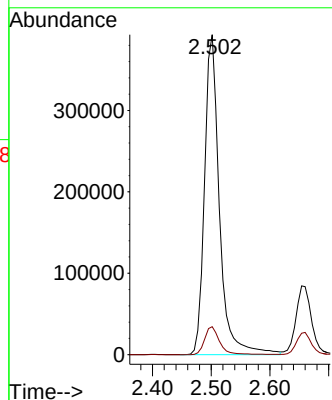
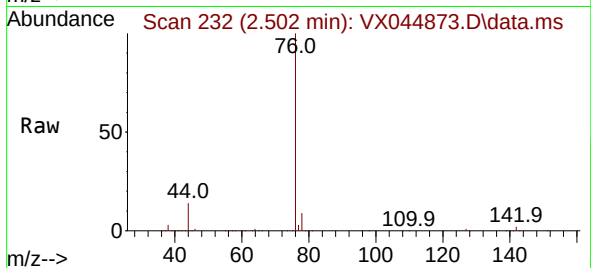




#17
Carbon Disulfide
Concen: 156.665 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

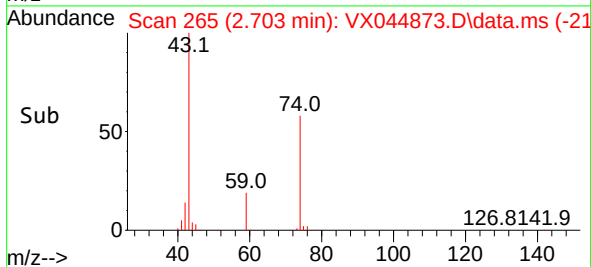
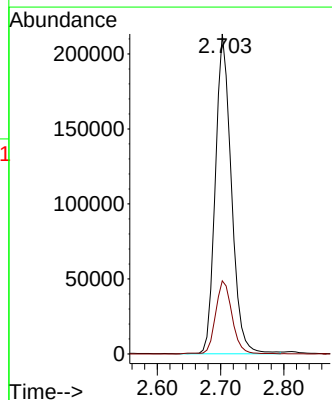
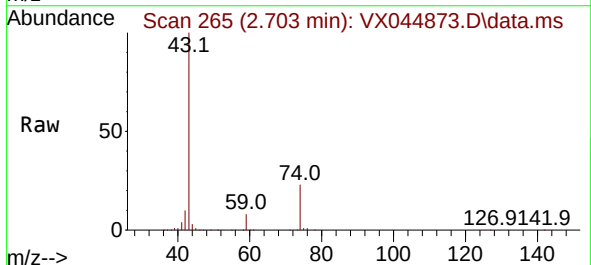
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

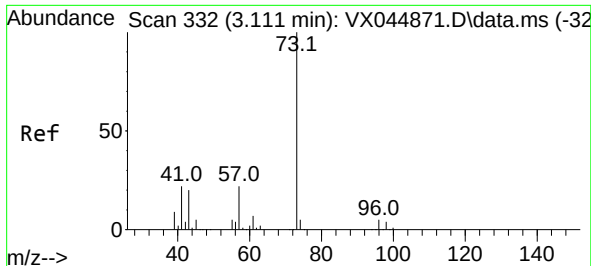
Tgt Ion: 76 Resp: 693558
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.4



#18
Methyl Acetate
Concen: 160.743 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 373877
Ion Ratio Lower Upper
43 100
74 23.7 18.9 28.3

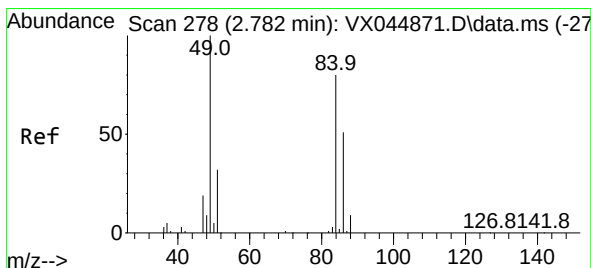
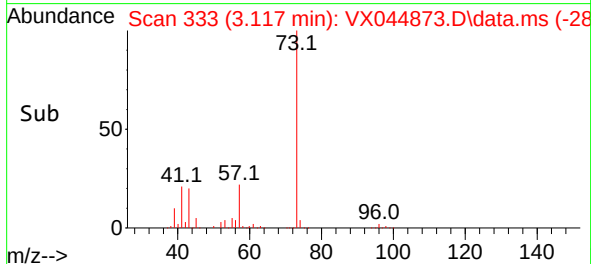
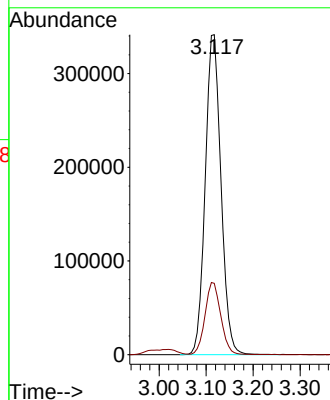
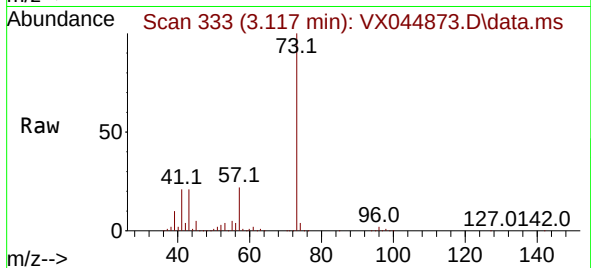




#19
Methyl tert-butyl Ether
Concen: 154.347 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

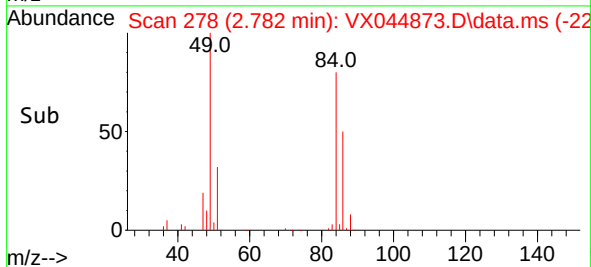
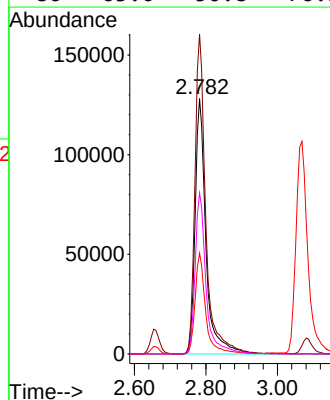
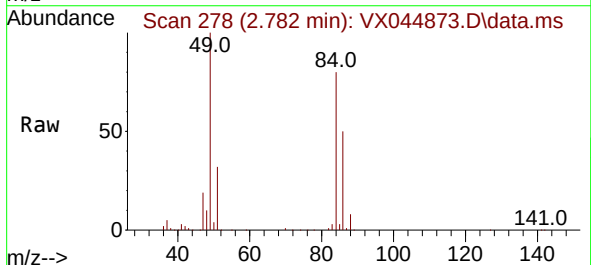
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

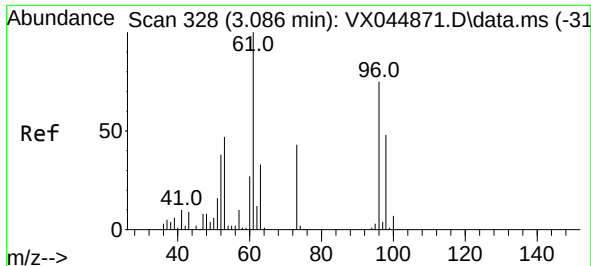
Tgt Ion: 73 Resp: 792810
Ion Ratio Lower Upper
73 100
57 22.3 17.9 26.9



#20
Methylene Chloride
Concen: 149.871 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 84 Resp: 270575
Ion Ratio Lower Upper
84 100
49 125.2 100.1 150.1
51 39.5 31.7 47.5
86 63.0 50.8 76.2

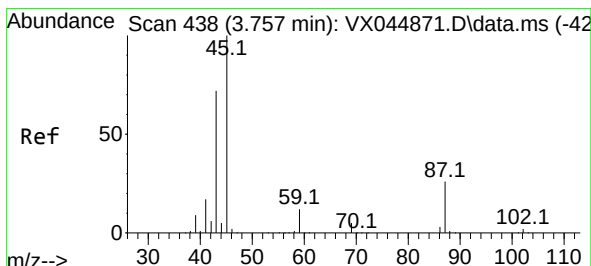
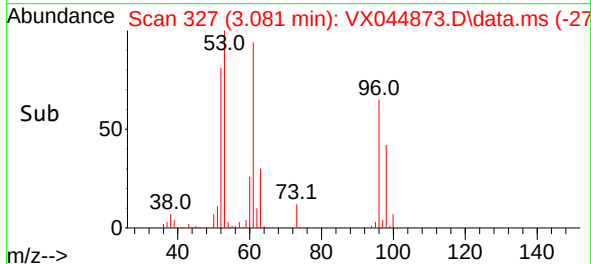
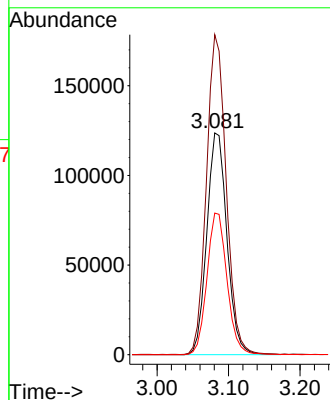
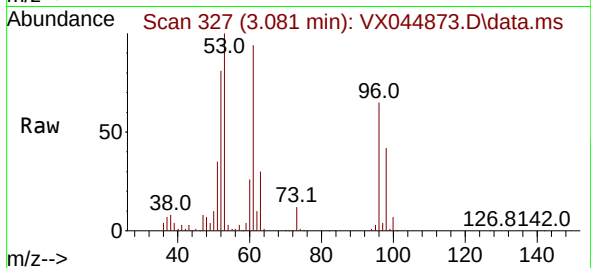




#21
trans-1,2-Dichloroethene
Concen: 152.356 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

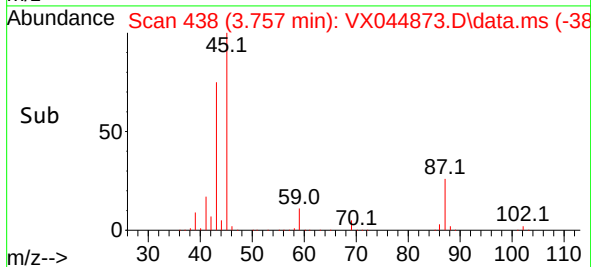
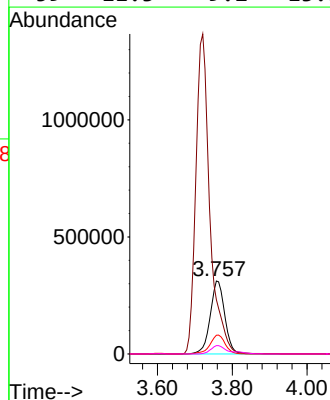
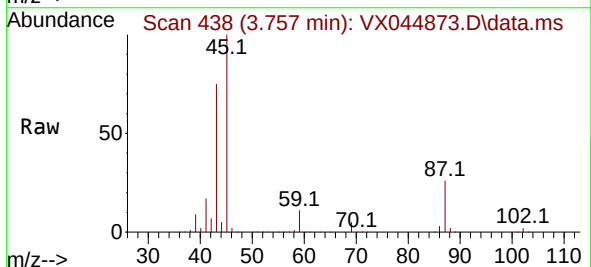
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

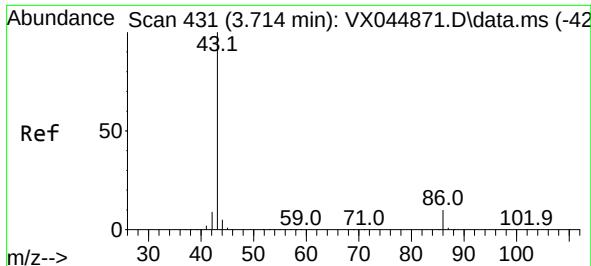
Tgt Ion: 96 Resp: 242082
Ion Ratio Lower Upper
96 100
61 144.2 106.0 159.0
98 63.9 50.6 76.0



#22
Diisopropyl ether
Concen: 152.020 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 45 Resp: 839126
Ion Ratio Lower Upper
45 100
43 74.6 58.0 87.0
87 25.8 20.7 31.1
59 11.3 9.2 13.8

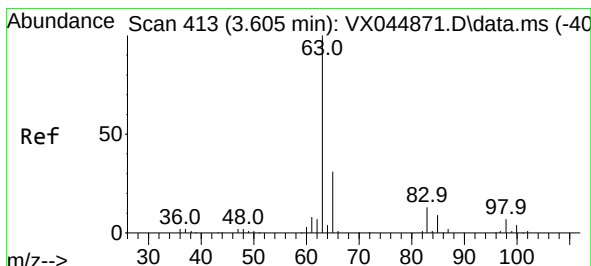
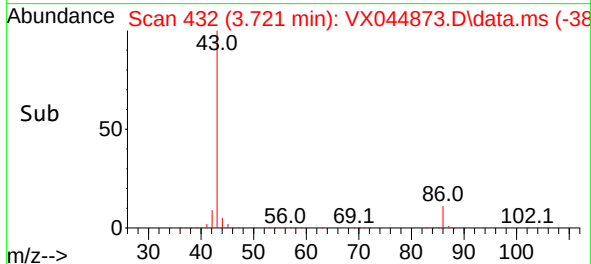
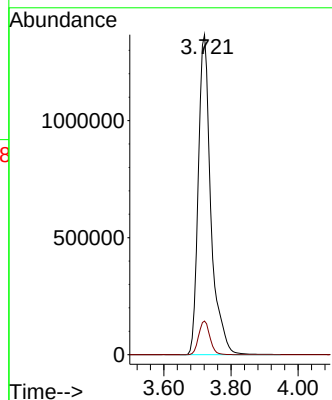
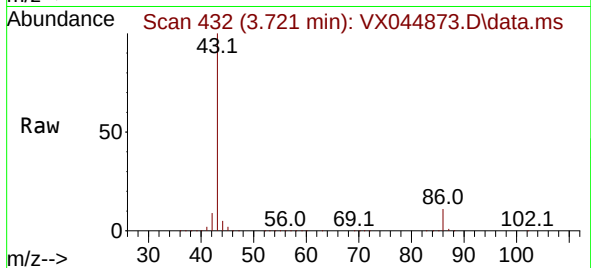




#23
 Vinyl Acetate
 Concen: 789.993 ug/l
 RT: 3.721 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX044873.D
 Acq: 10 Feb 2025 12:28

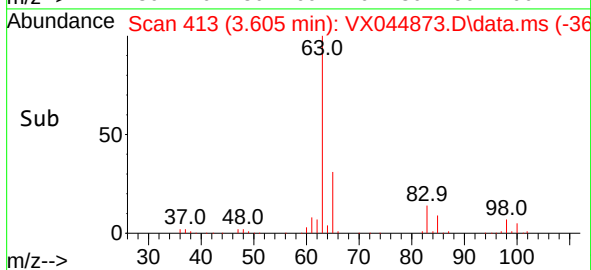
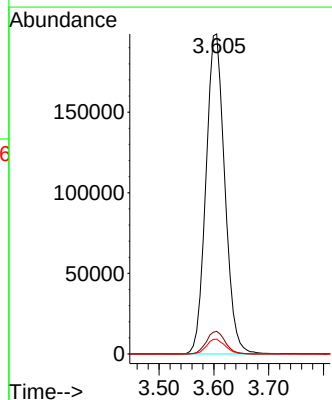
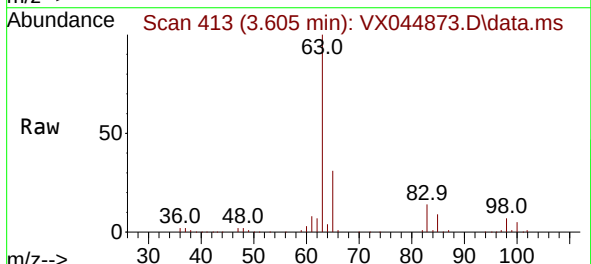
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

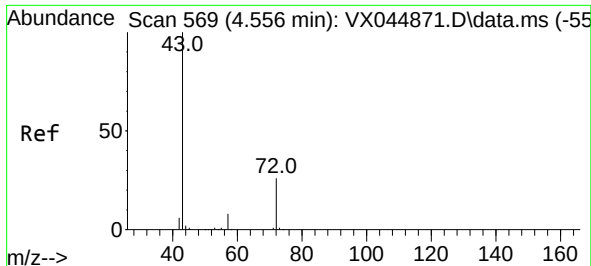
Tgt Ion: 43 Resp: 3555031
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 152.959 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX044873.D
 Acq: 10 Feb 2025 12:28

Tgt Ion: 63 Resp: 472424
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.3 9.9
 100 4.6 2.1 6.5

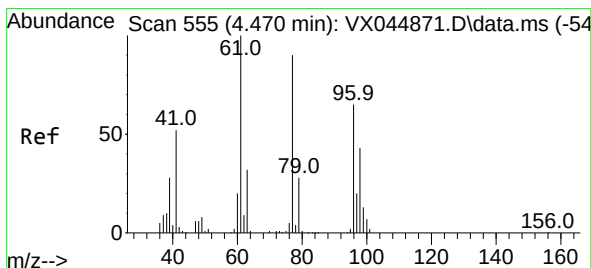
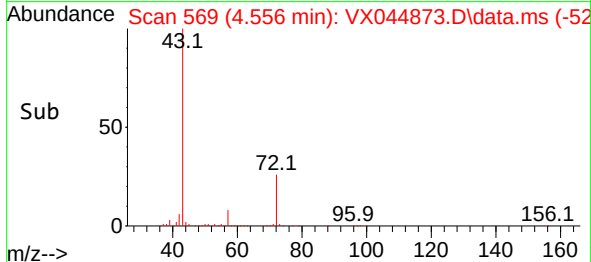
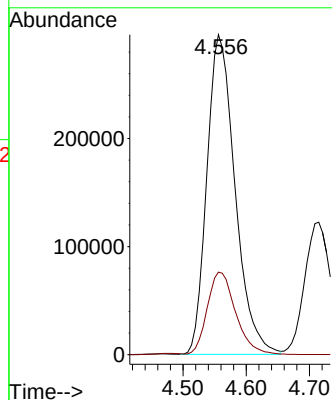
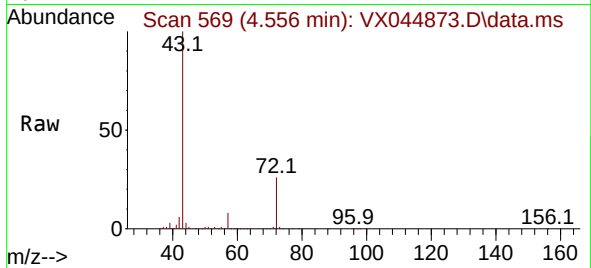




#25
2-Butanone
Concen: 764.276 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

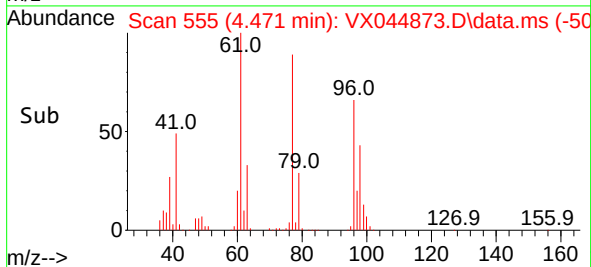
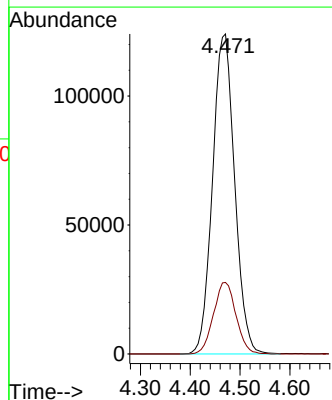
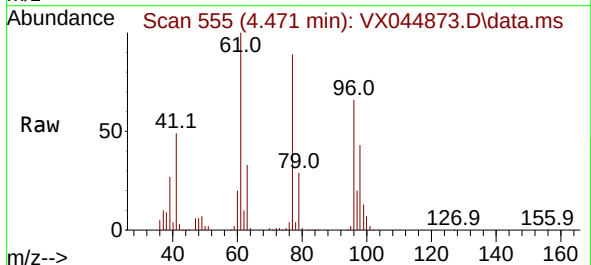
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

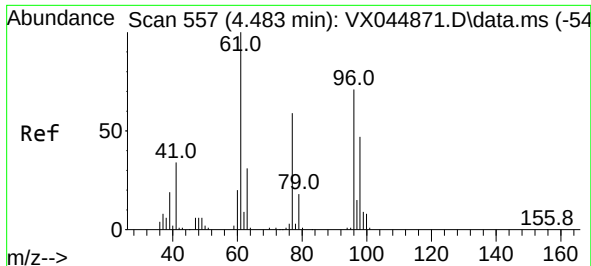
Tgt Ion: 43 Resp: 914741
Ion Ratio Lower Upper
43 100
72 25.6 21.2 31.8



#26
2,2-Dichloropropane
Concen: 156.029 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 77 Resp: 382167
Ion Ratio Lower Upper
77 100
97 22.7 11.8 35.3

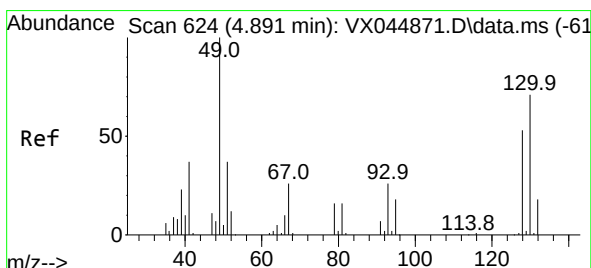
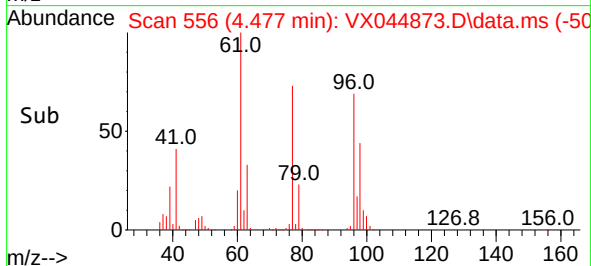
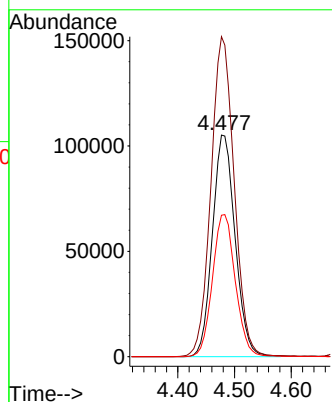
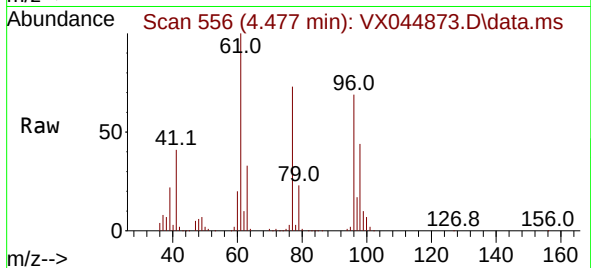




#27
cis-1,2-Dichloroethene
Concen: 153.446 ug/l
RT: 4.477 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

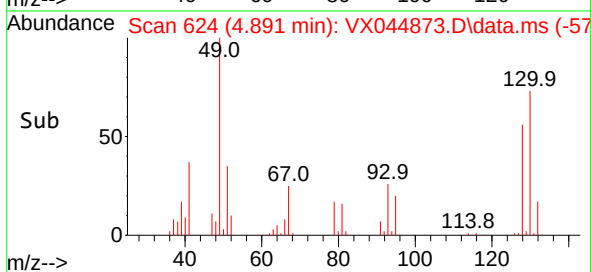
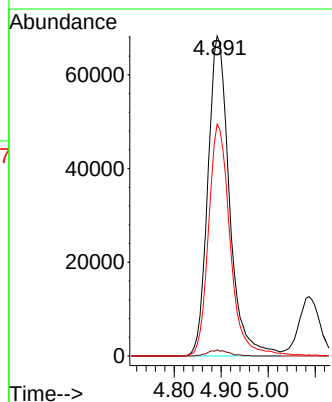
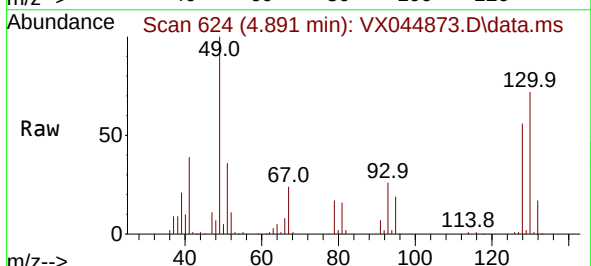
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

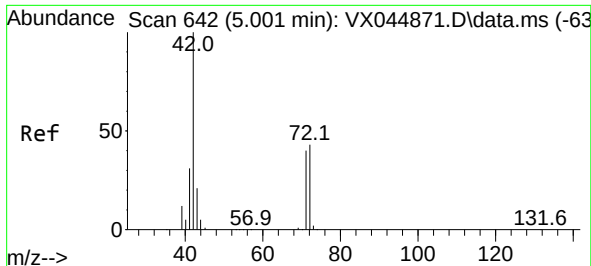
Tgt Ion: 96 Resp: 292864
Ion Ratio Lower Upper
96 100
61 148.1 0.0 294.0
98 64.6 0.0 131.2



#28
Bromochloromethane
Concen: 146.458 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 49 Resp: 217387
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.6
130 72.6 56.7 85.1





#29

Tetrahydrofuran

Concen: 749.977 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

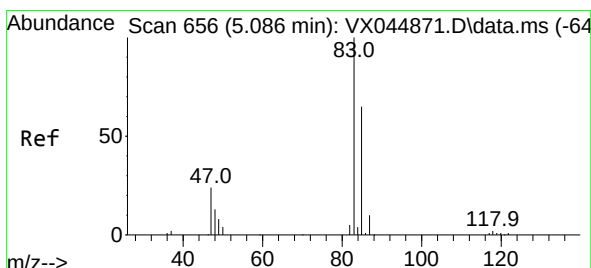
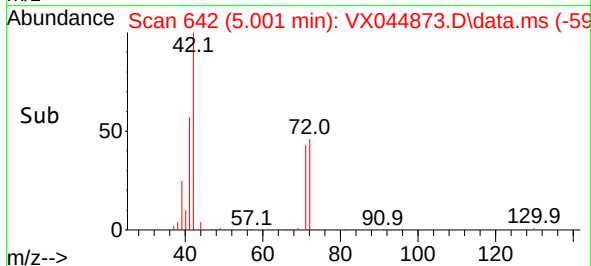
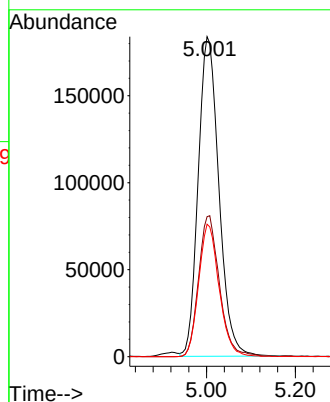
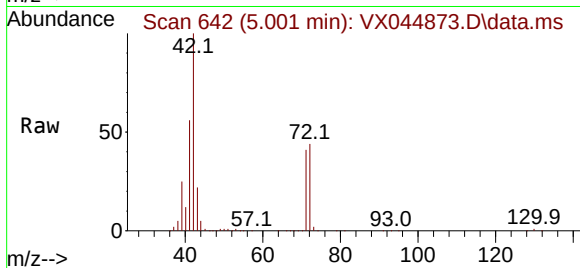
Tgt Ion: 42 Resp: 596045

Ion Ratio Lower Upper

42 100

72 44.5 35.0 52.4

71 41.0 32.6 48.8



#30

Chloroform

Concen: 151.509 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044873.D

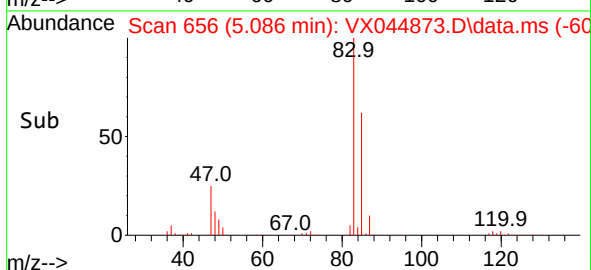
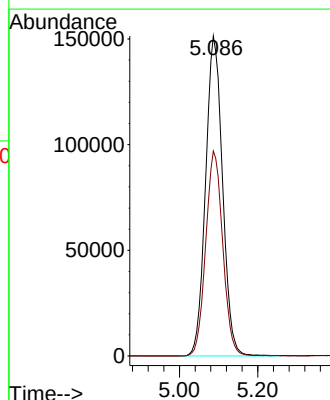
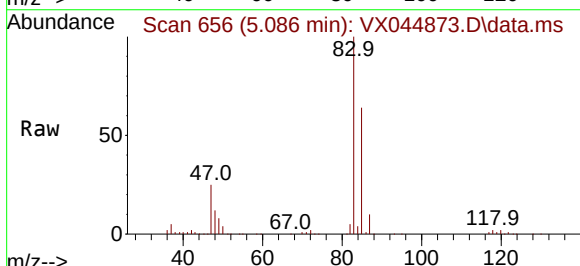
Acq: 10 Feb 2025 12:28

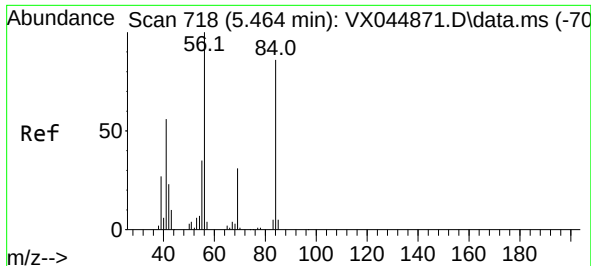
Tgt Ion: 83 Resp: 453809

Ion Ratio Lower Upper

83 100

85 64.1 52.1 78.1

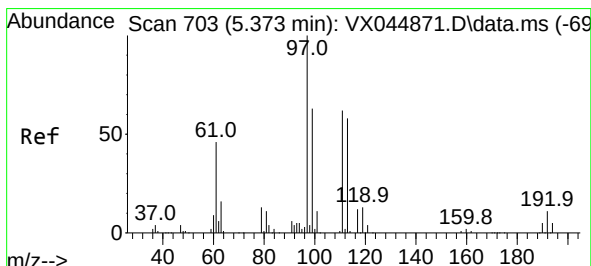
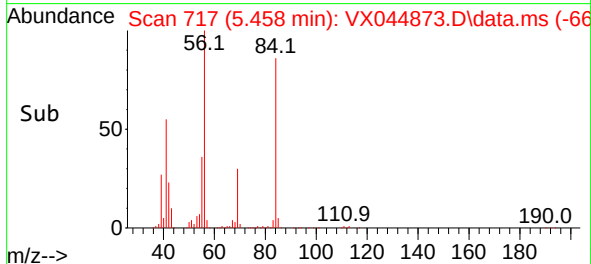
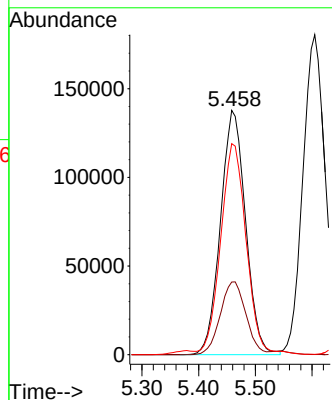
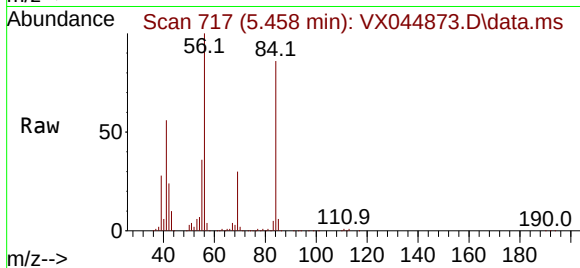




#31
Cyclohexane
Concen: 148.722 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

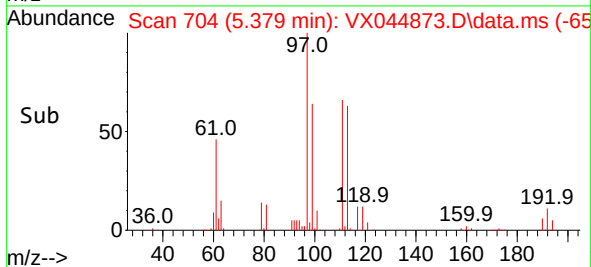
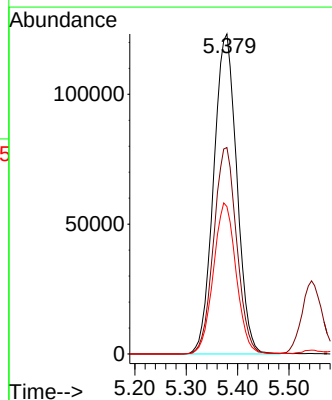
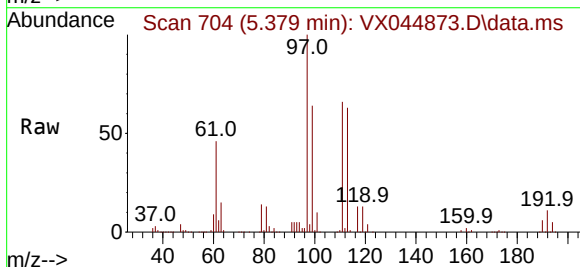
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

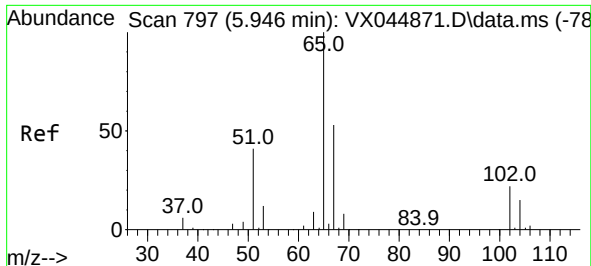
Tgt Ion: 56 Resp: 423464
Ion Ratio Lower Upper
56 100
69 29.7 24.4 36.6
84 85.0 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 151.996 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 97 Resp: 386162
Ion Ratio Lower Upper
97 100
99 64.2 51.0 76.6
61 46.4 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 153.180 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

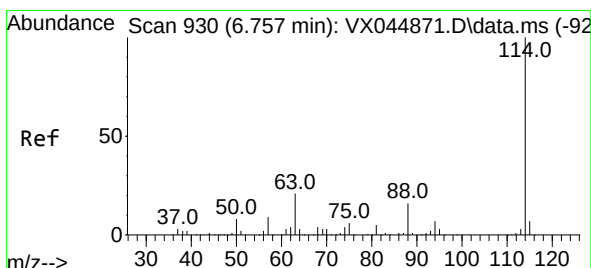
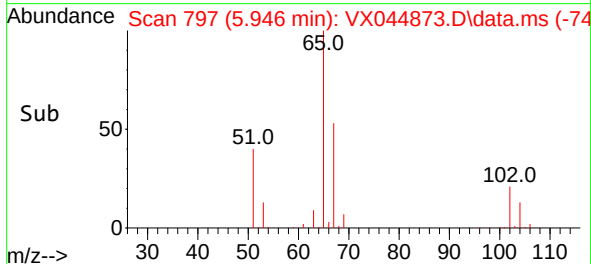
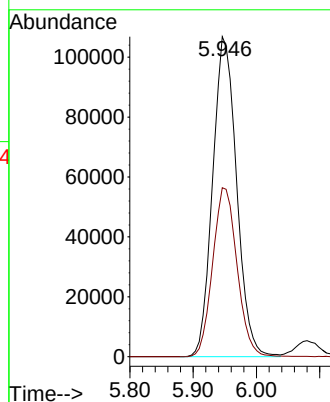
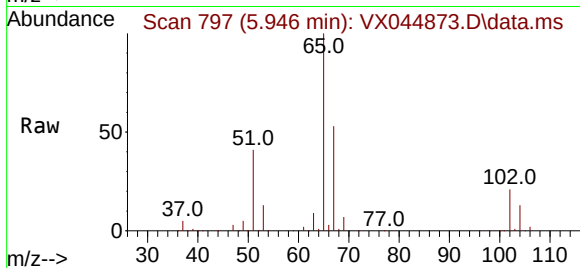
VSTDICC150

Tgt Ion: 65 Resp: 280853

Ion Ratio Lower Upper

65 100

67 53.7 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

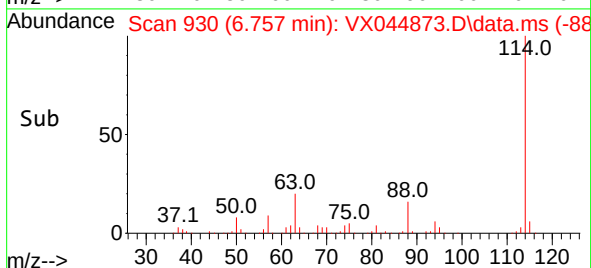
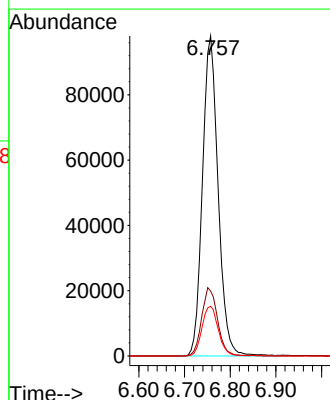
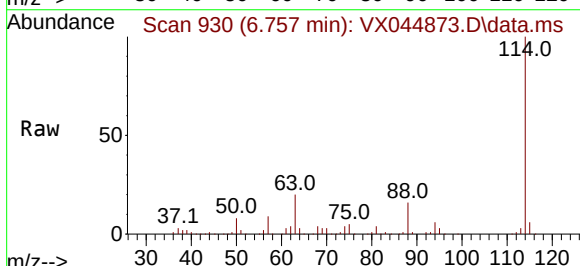
Tgt Ion: 114 Resp: 232597

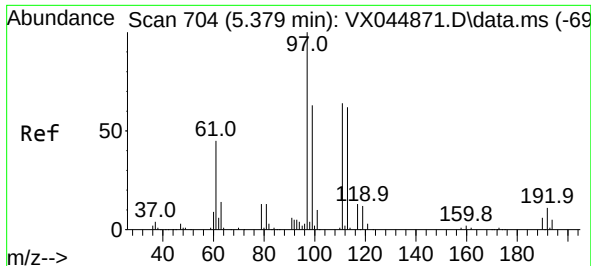
Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.4

88 15.5 0.0 31.4

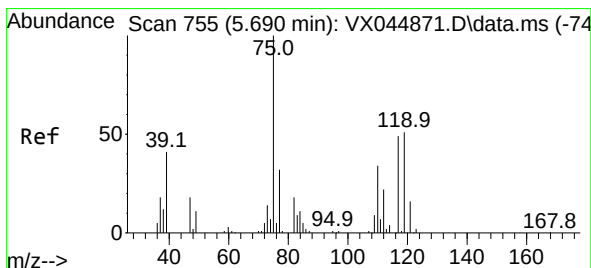
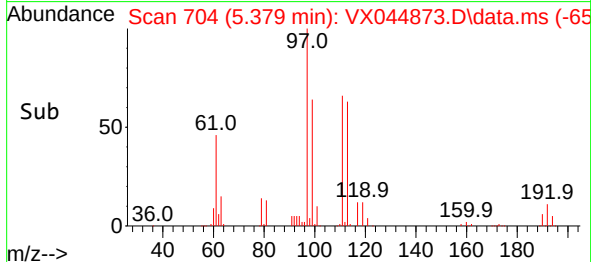
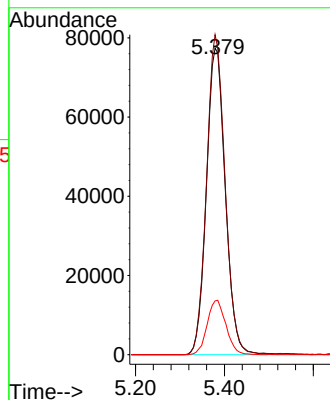
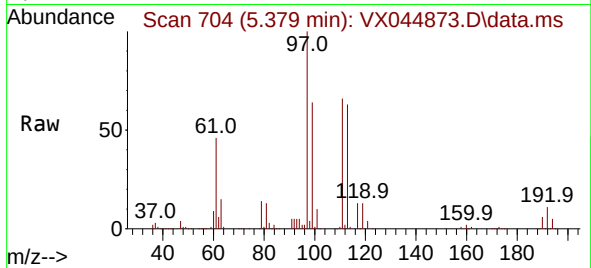




#35
Dibromofluoromethane
Concen: 151.572 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

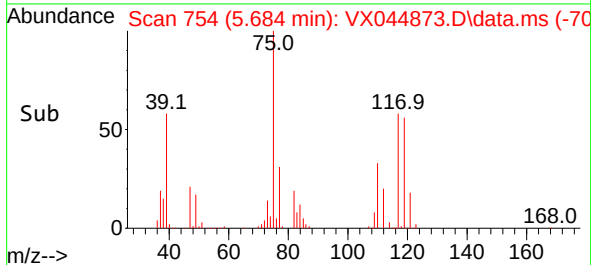
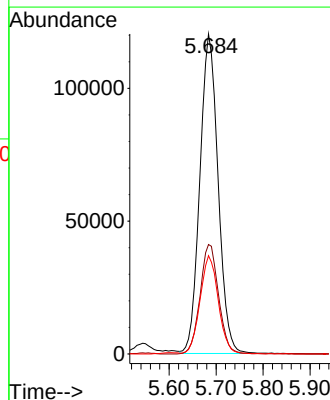
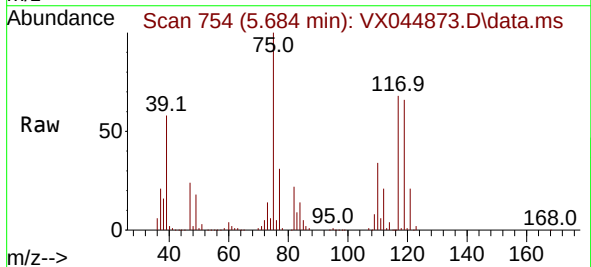
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

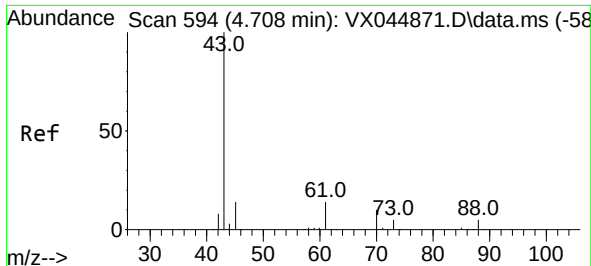
Tgt Ion:113 Resp: 229218
Ion Ratio Lower Upper
113 100
111 102.5 83.5 125.3
192 17.6 14.4 21.6



#36
1,1-Dichloropropene
Concen: 148.585 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 75 Resp: 324182
Ion Ratio Lower Upper
75 100
110 34.8 17.2 51.6
77 30.9 24.6 37.0





#37

Ethyl Acetate

Concen: 151.956 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

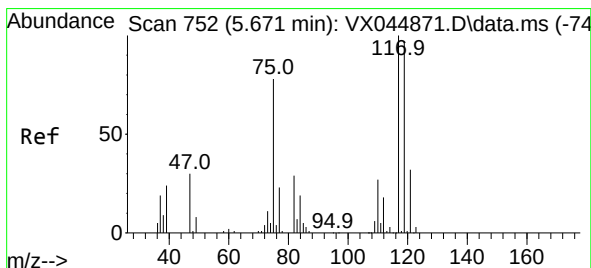
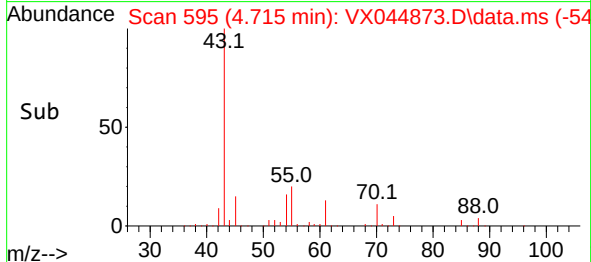
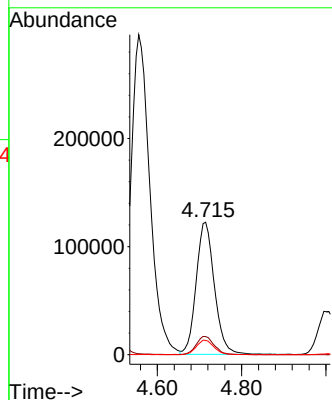
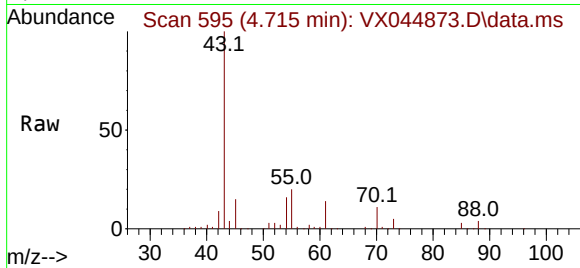
Tgt Ion: 43 Resp: 368763

Ion Ratio Lower Upper

43 100

61 13.5 11.0 16.4

70 10.6 8.2 12.2



#38

Carbon Tetrachloride

Concen: 149.921 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

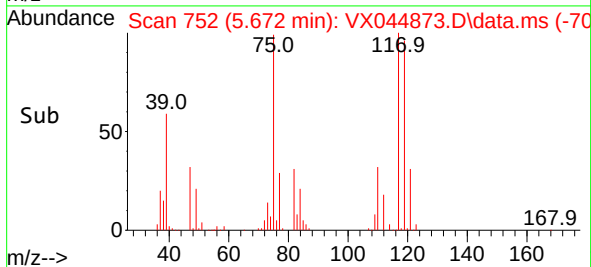
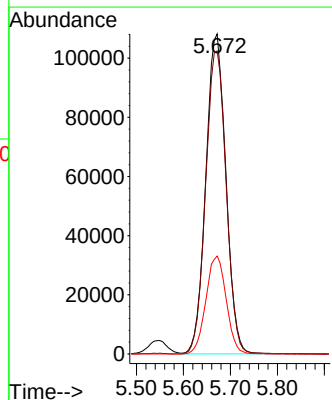
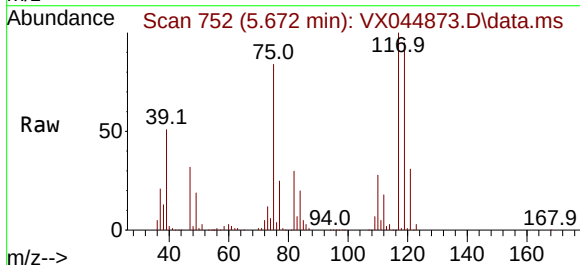
Tgt Ion: 117 Resp: 320536

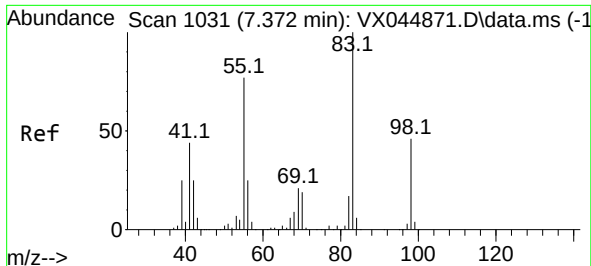
Ion Ratio Lower Upper

117 100

119 94.7 77.5 116.3

121 30.6 25.6 38.4





#39

Methylcyclohexane

Concen: 157.130 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

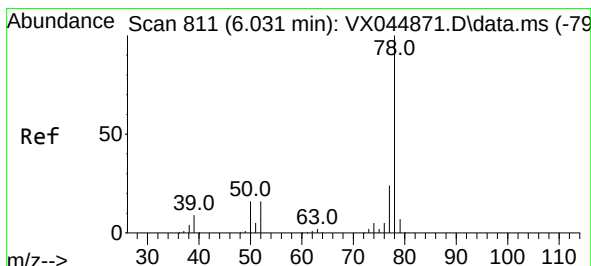
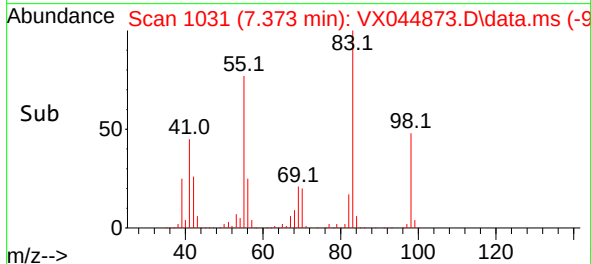
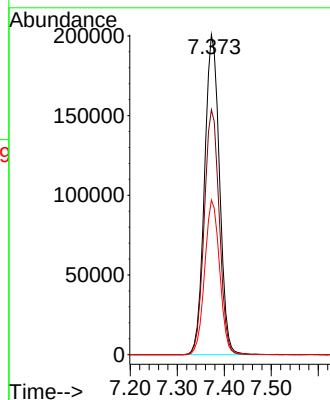
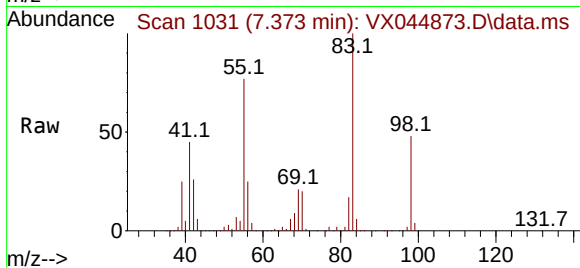
Tgt Ion: 83 Resp: 443218

Ion Ratio Lower Upper

83 100

55 76.5 61.3 91.9

98 48.4 37.0 55.6



#40

Benzene

Concen: 148.856 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044873.D

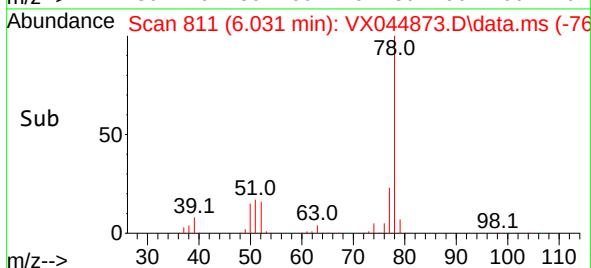
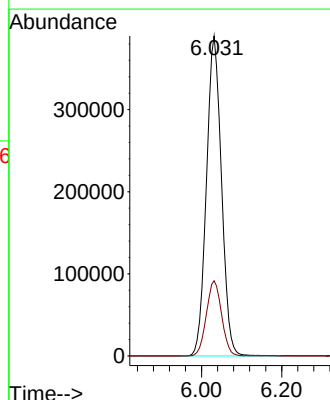
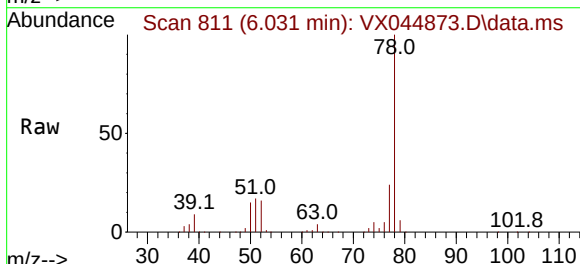
Acq: 10 Feb 2025 12:28

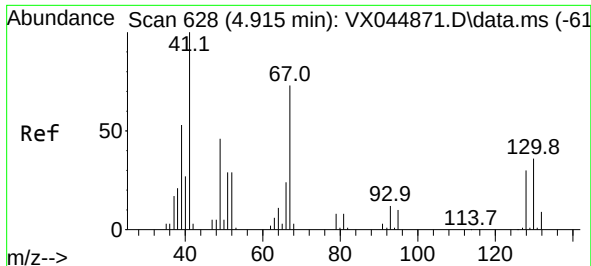
Tgt Ion: 78 Resp: 1014129

Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.6



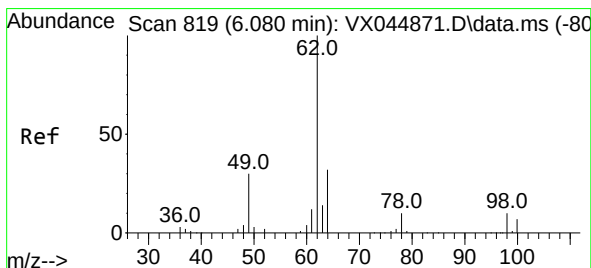
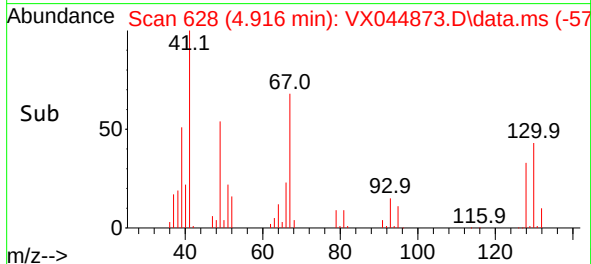
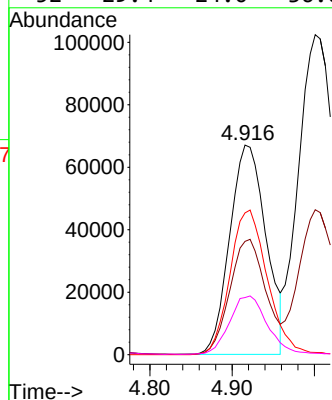
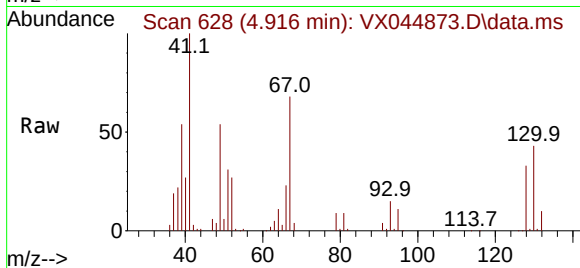


#41
Methacrylonitrile
Concen: 158.707 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 206155

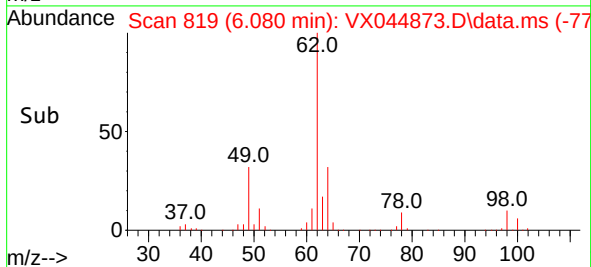
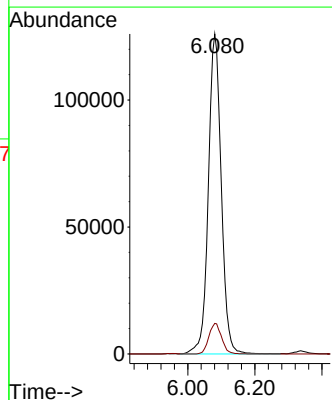
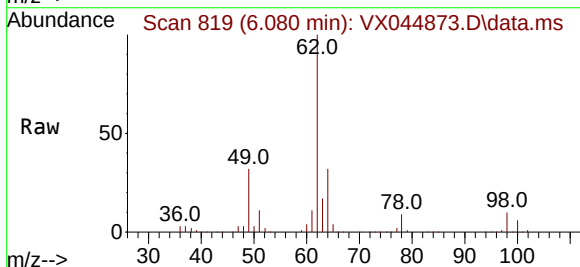
Ion	Ratio	Lower	Upper
41	100		
39	54.2	43.1	64.7
67	71.4	57.0	85.6
52	29.4	24.0	36.0

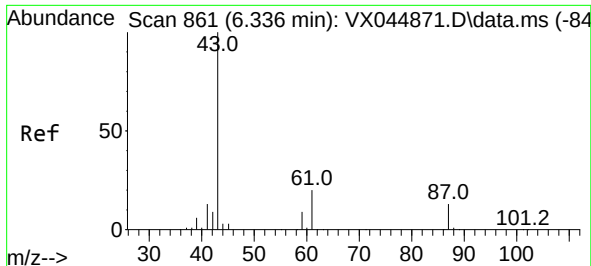


#42
1,2-Dichloroethane
Concen: 154.984 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 62 Resp: 336520

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.4

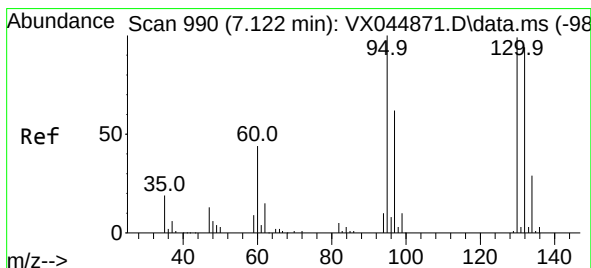
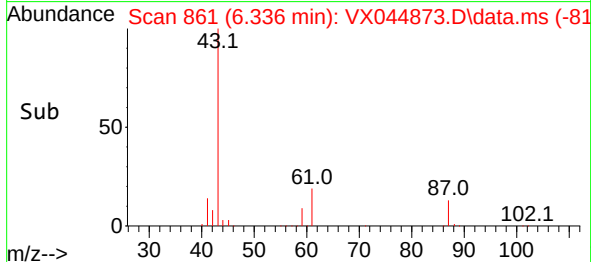
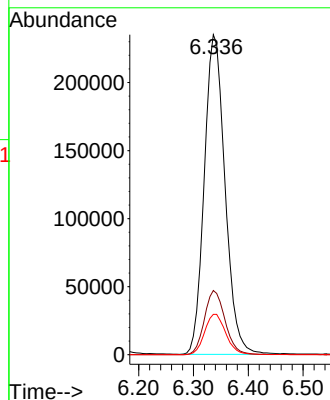
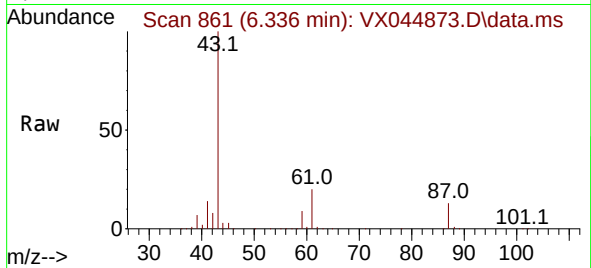




#43
Isopropyl Acetate
Concen: 157.575 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

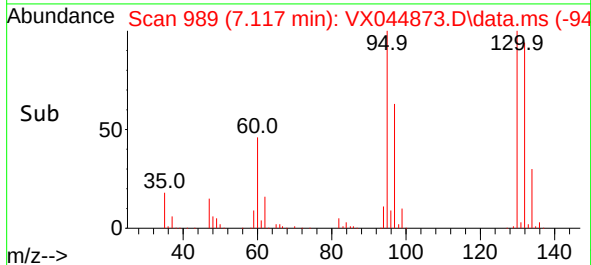
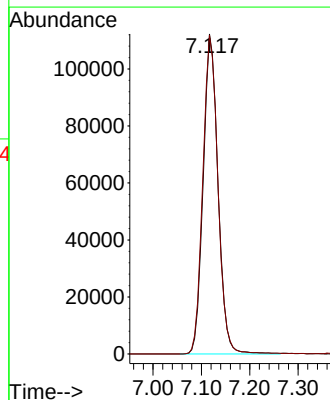
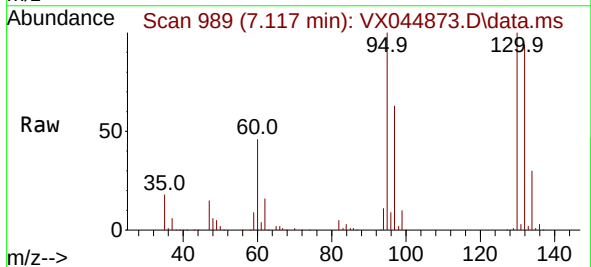
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

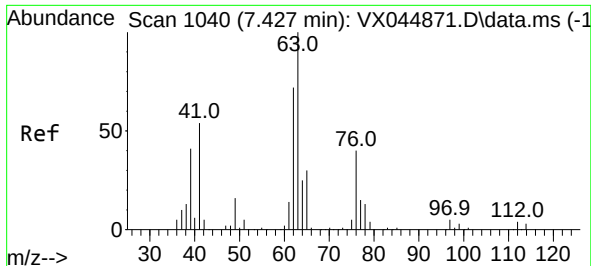
Tgt Ion: 43 Resp: 617516
Ion Ratio Lower Upper
43 100
61 20.1 15.8 23.8
87 12.9 10.0 15.0



#44
Trichloroethene
Concen: 153.496 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:130 Resp: 239030
Ion Ratio Lower Upper
130 100
95 99.7 0.0 202.4





#45

1,2-Dichloropropane

Concen: 153.076 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

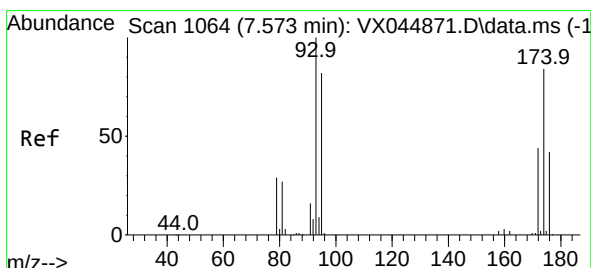
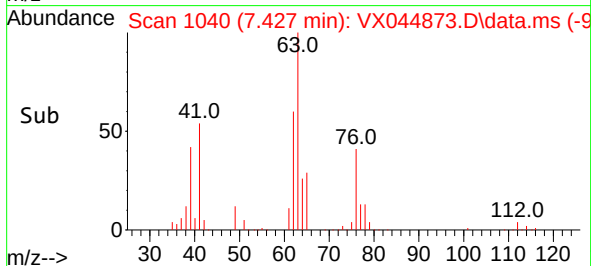
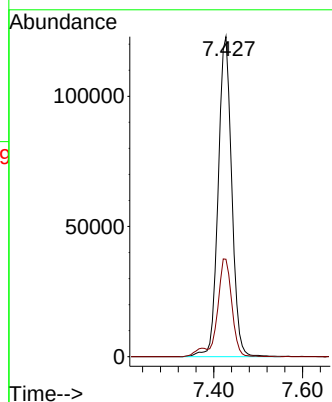
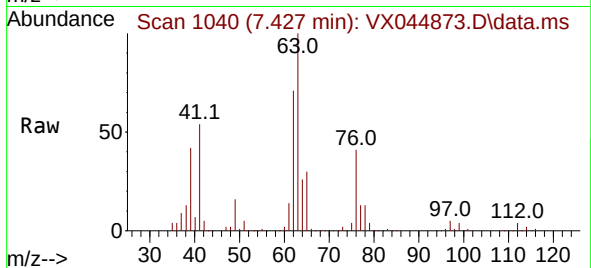
VSTDICC150

Tgt Ion: 63 Resp: 259454

Ion Ratio Lower Upper

63 100

65 30.4 24.2 36.4



#46

Dibromomethane

Concen: 152.870 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

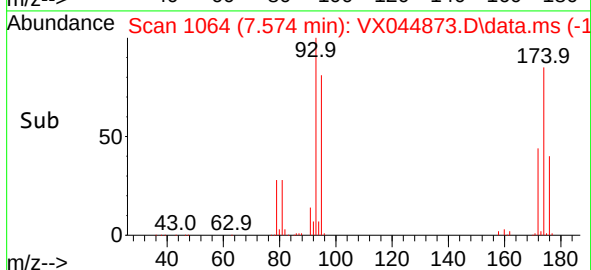
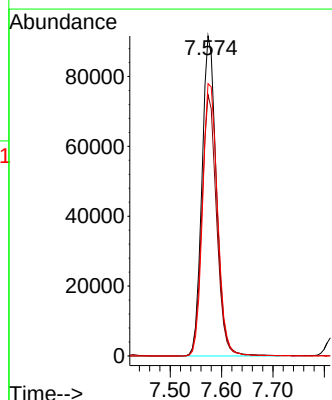
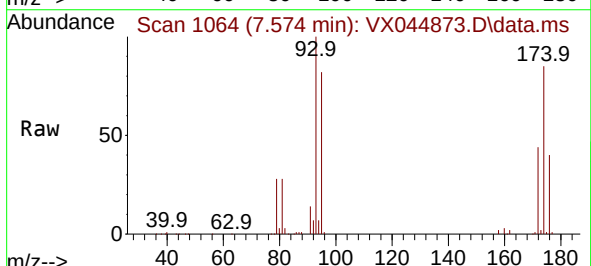
Tgt Ion: 93 Resp: 179689

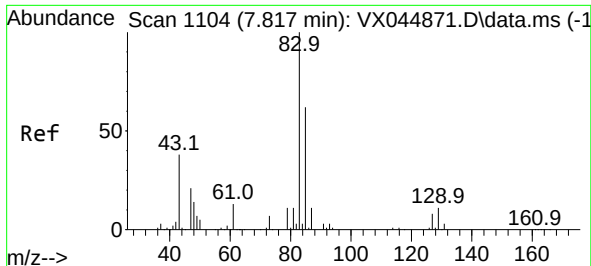
Ion Ratio Lower Upper

93 100

95 82.2 66.2 99.4

174 87.9 69.9 104.9



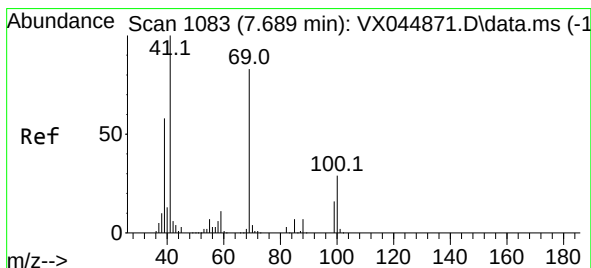
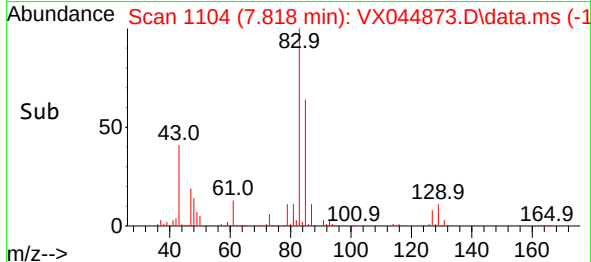
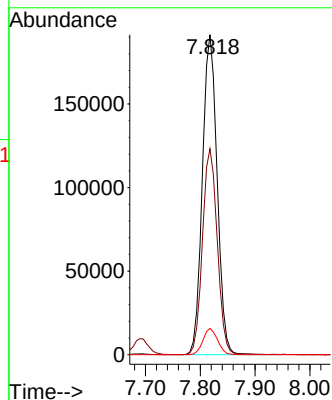
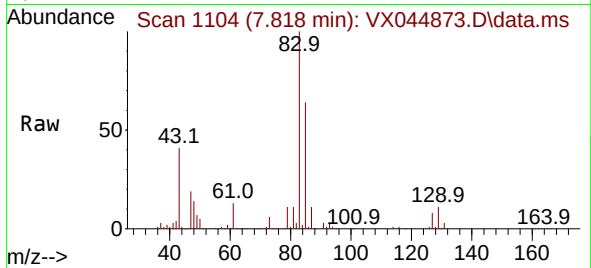


#47
 Bromodichloromethane
 Concen: 157.128 ug/l
 RT: 7.818 min Scan# 1104
 Delta R.T. 0.000 min
 Lab File: VX044873.D
 Acq: 10 Feb 2025 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tgt Ion: 83 Resp: 357623

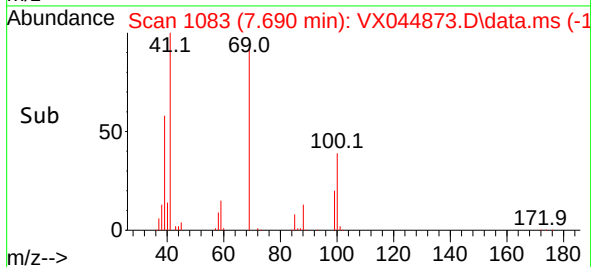
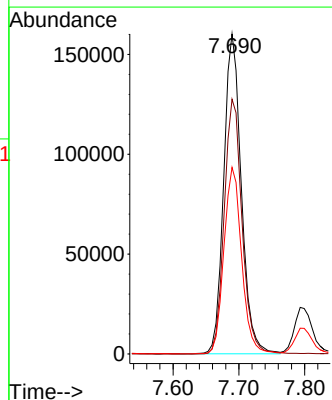
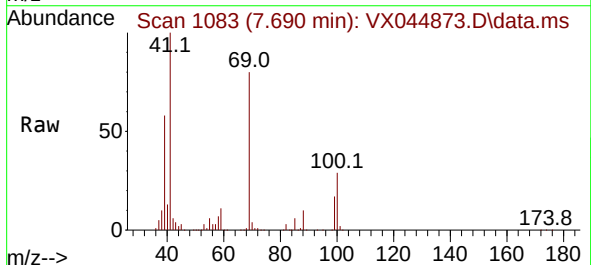
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.0	75.0
127	8.2	6.4	9.6

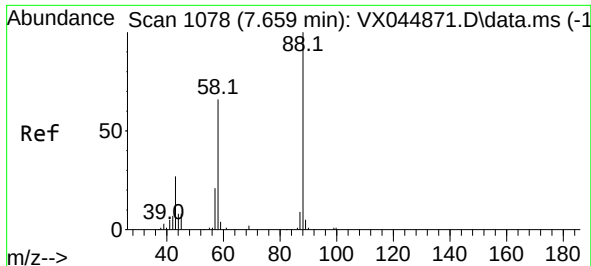


#48
 Methyl methacrylate
 Concen: 161.236 ug/l
 RT: 7.690 min Scan# 1083
 Delta R.T. 0.000 min
 Lab File: VX044873.D
 Acq: 10 Feb 2025 12:28

Tgt Ion: 41 Resp: 297931

Ion	Ratio	Lower	Upper
41	100		
69	81.4	65.8	98.8
39	58.7	46.4	69.6





#49

1,4-Dioxane

Concen: 2678.192 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

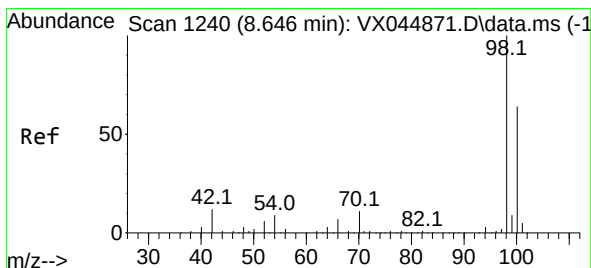
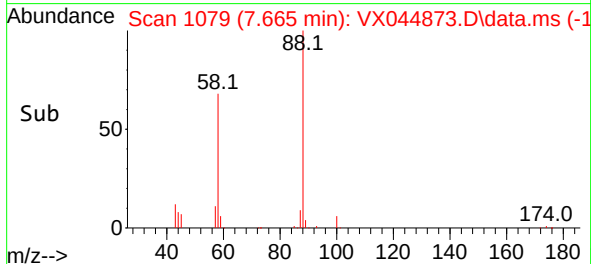
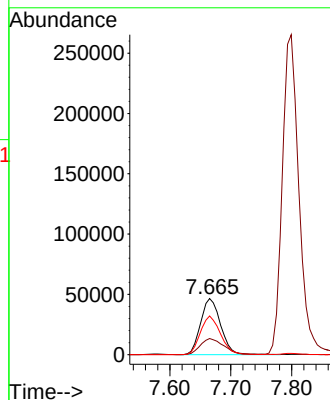
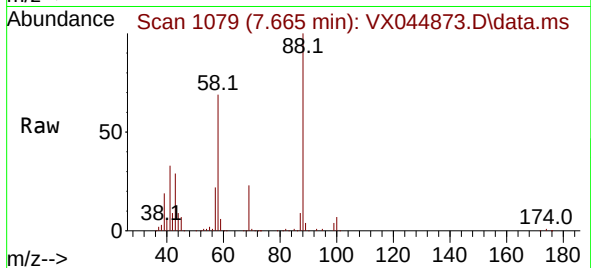
Tgt Ion: 88 Resp: 106175

Ion Ratio Lower Upper

88 100

43 33.0 26.6 39.8

58 69.4 55.9 83.9



#50

Toluene-d8

Concen: 147.877 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044873.D

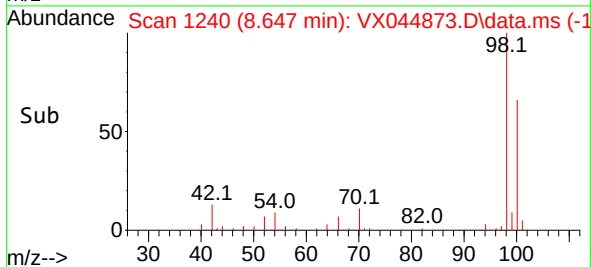
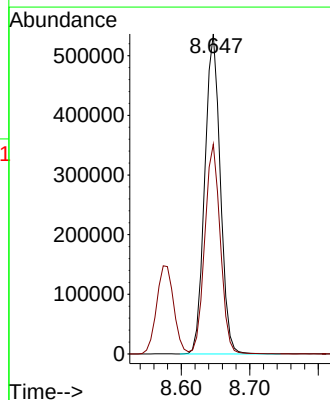
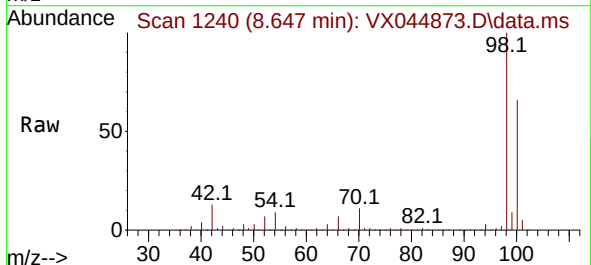
Acq: 10 Feb 2025 12:28

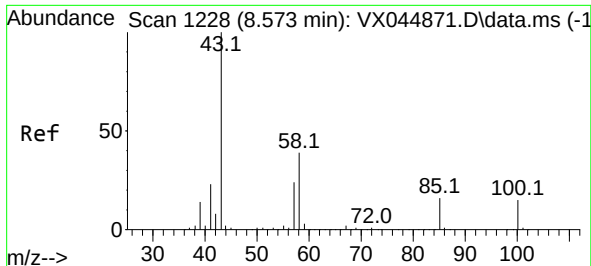
Tgt Ion: 98 Resp: 845632

Ion Ratio Lower Upper

98 100

100 65.5 52.7 79.1

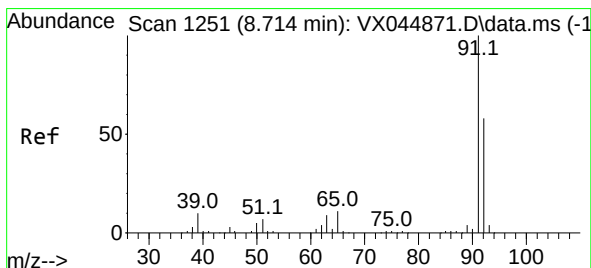
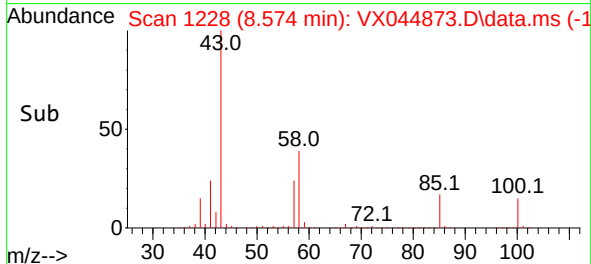
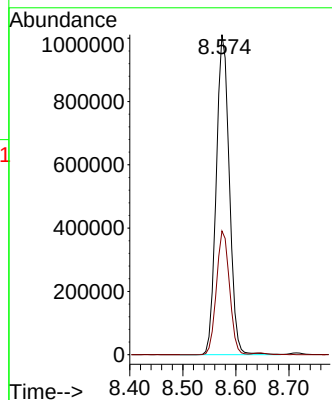
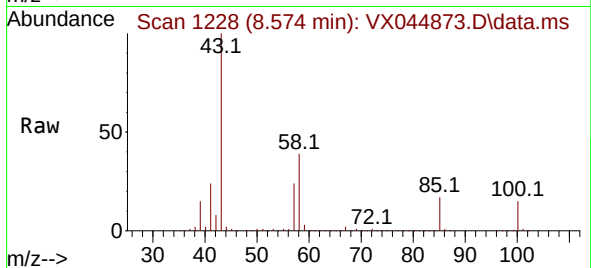




#51
4-Methyl-2-Pentanone
Concen: 728.887 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

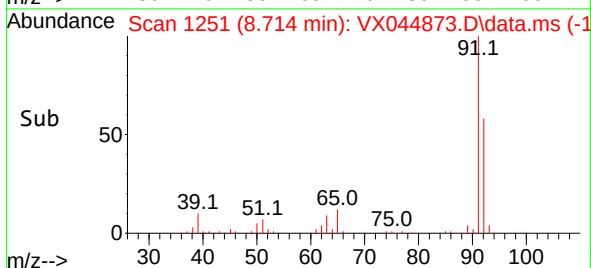
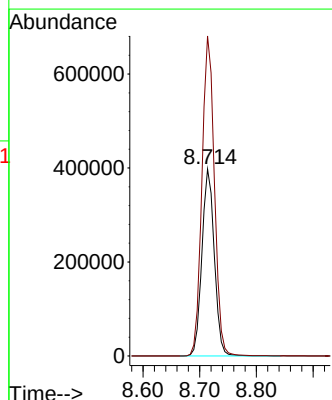
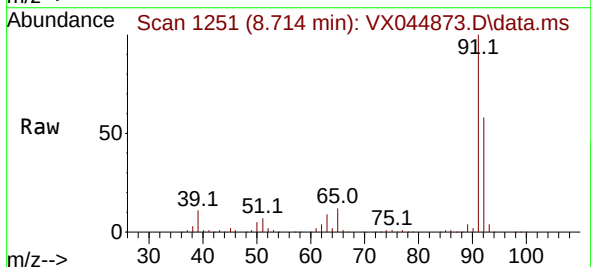
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

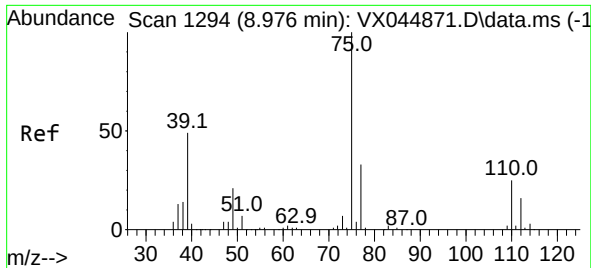
Tgt Ion: 43 Resp: 1736538
Ion Ratio Lower Upper
43 100
58 38.6 30.8 46.2



#52
Toluene
Concen: 148.645 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 92 Resp: 603113
Ion Ratio Lower Upper
92 100
91 172.6 137.4 206.2

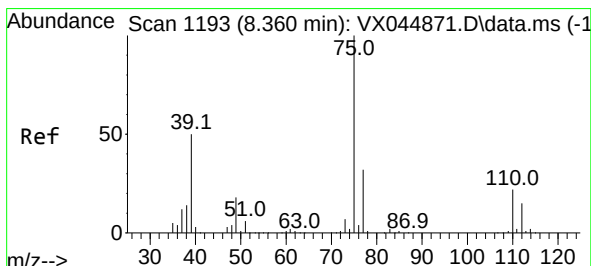
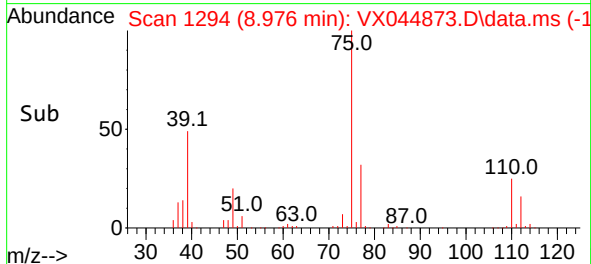
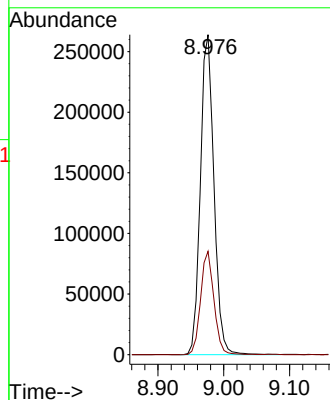
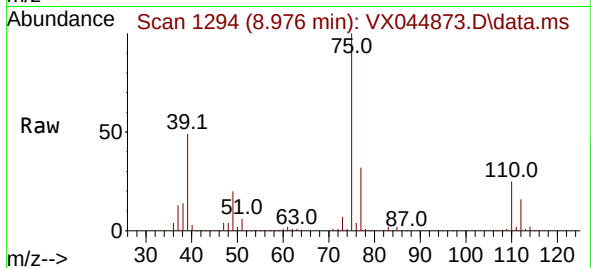




#53
 t-1,3-Dichloropropene
 Concen: 164.398 ug/l
 RT: 8.976 min Scan# 1193
 Delta R.T. 0.000 min
 Lab File: VX044873.D
 Acq: 10 Feb 2025 12:28

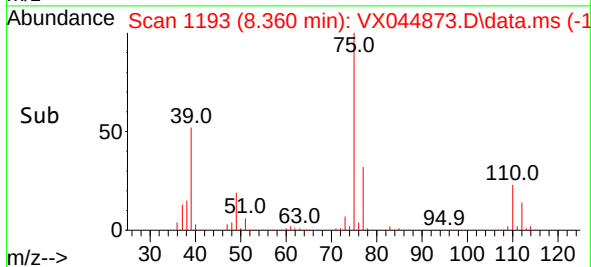
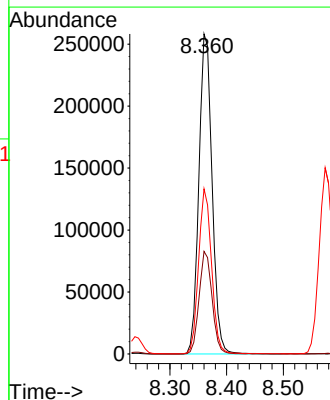
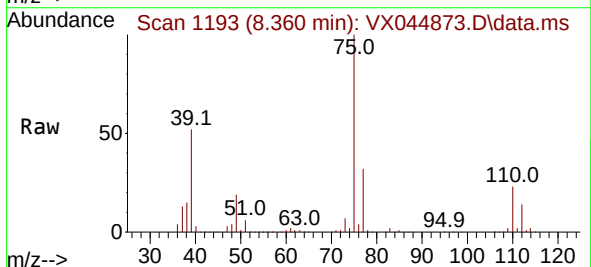
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

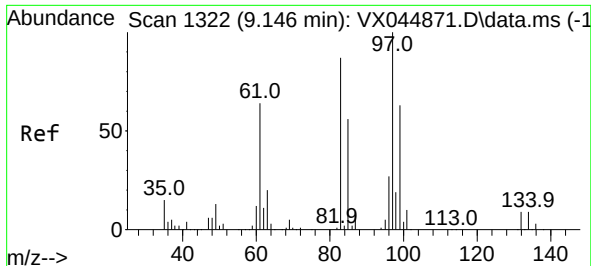
Tgt Ion: 75 Resp: 378639
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.0 39.0



#54
 cis-1,3-Dichloropropene
 Concen: 162.667 ug/l
 RT: 8.360 min Scan# 1193
 Delta R.T. 0.000 min
 Lab File: VX044873.D
 Acq: 10 Feb 2025 12:28

Tgt Ion: 75 Resp: 417724
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.3 37.9
 39 51.5 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 147.172 ug/l

RT: 9.147 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 229548

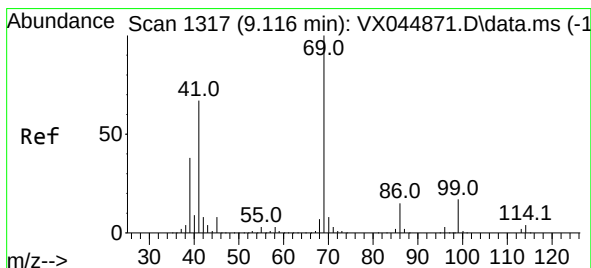
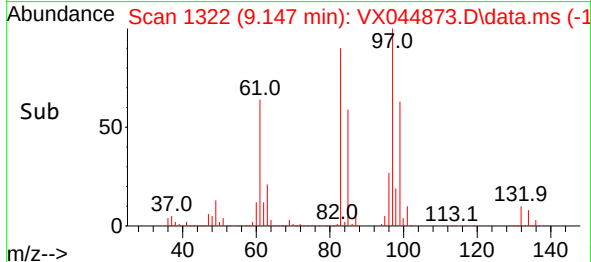
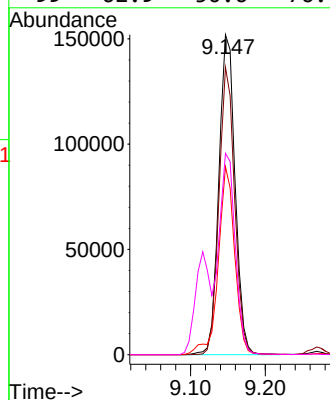
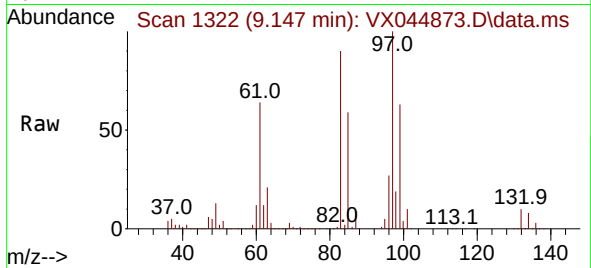
Ion Ratio Lower Upper

97 100

83 89.8 69.8 104.6

85 58.7 44.8 67.2

99 62.9 50.6 76.0



#56

Ethyl methacrylate

Concen: 158.205 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

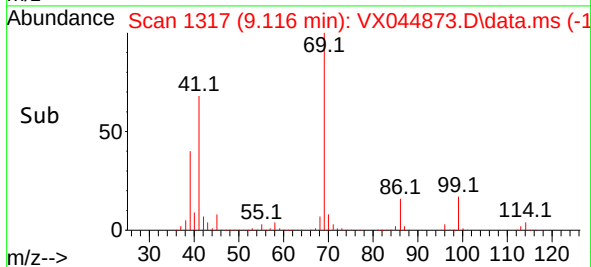
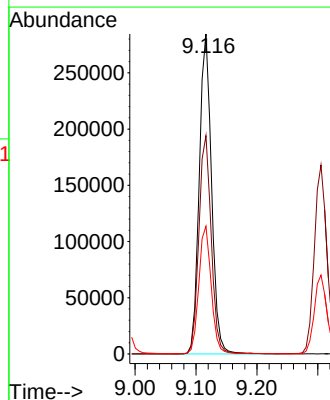
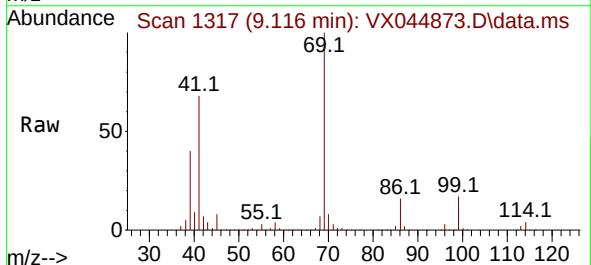
Tgt Ion: 69 Resp: 398535

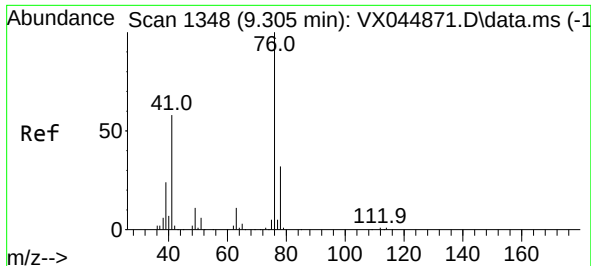
Ion Ratio Lower Upper

69 100

41 68.7 55.2 82.8

39 40.0 30.8 46.2





#57

1,3-Dichloropropane

Concen: 147.915 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

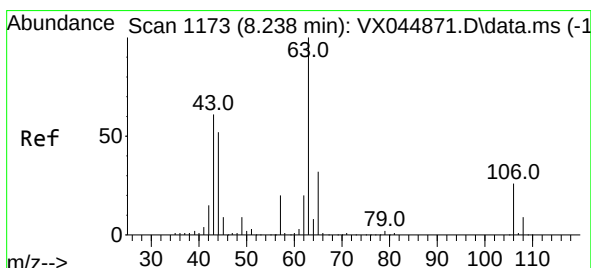
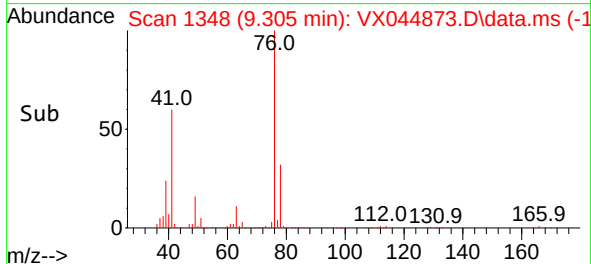
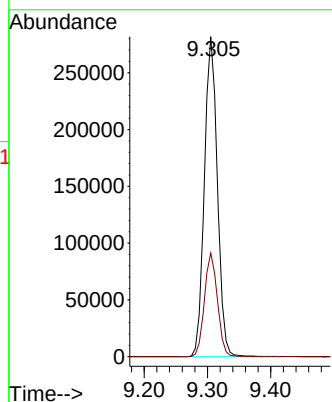
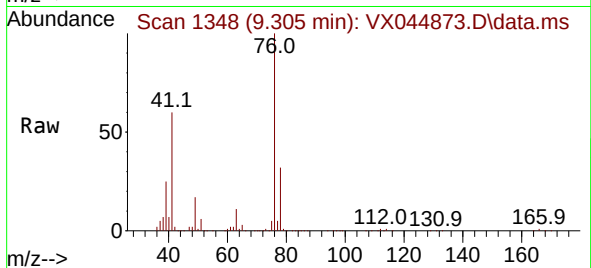
VSTDIC150

Tgt Ion: 76 Resp: 403665

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 794.010 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044873.D

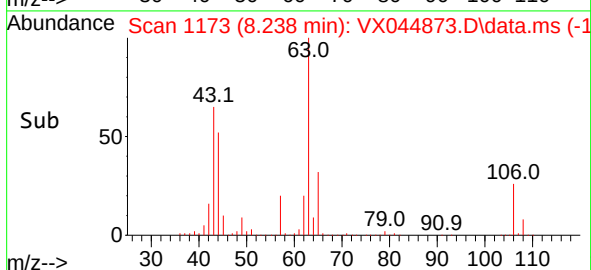
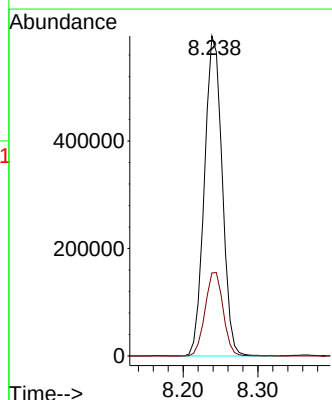
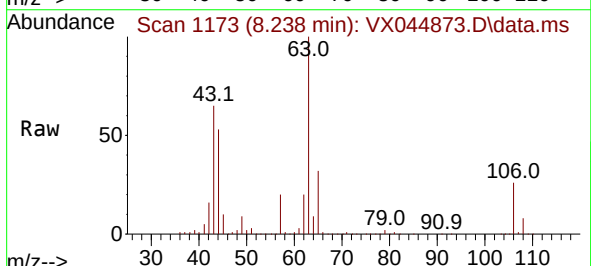
Acq: 10 Feb 2025 12:28

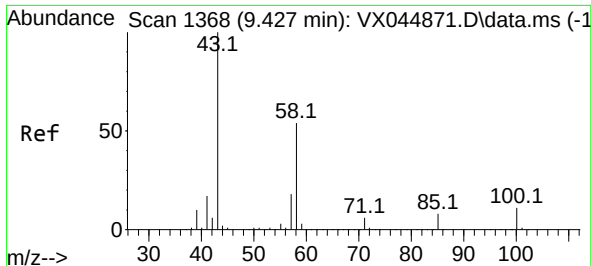
Tgt Ion: 63 Resp: 982120

Ion Ratio Lower Upper

63 100

106 26.6 21.3 31.9





#59

2-Hexanone

Concen: 736.622 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

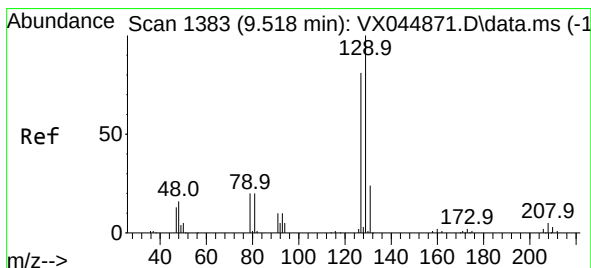
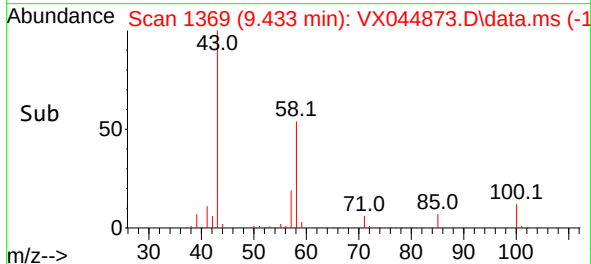
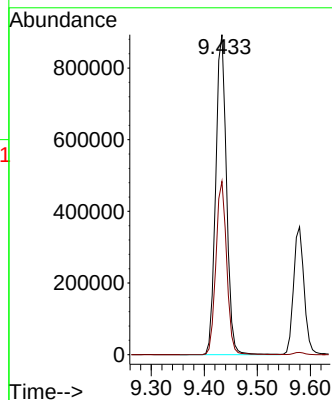
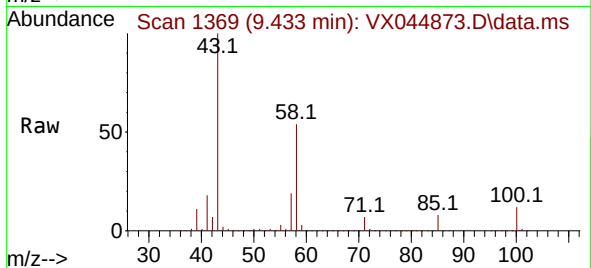
VSTDICC150

Tgt Ion: 43 Resp: 1264470

Ion Ratio Lower Upper

43 100

58 54.1 27.5 82.4



#60

Dibromochloromethane

Concen: 154.862 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044873.D

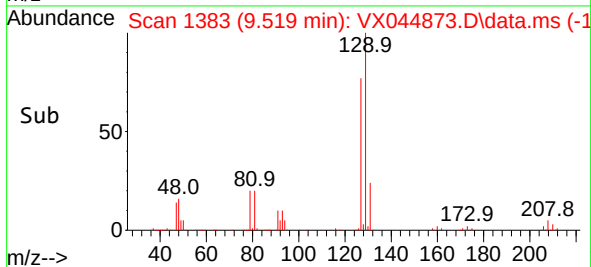
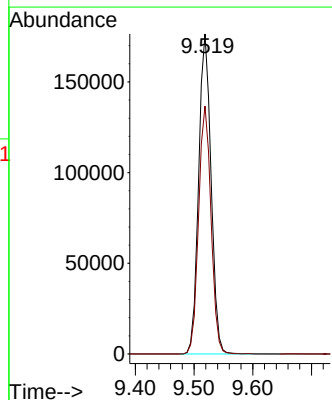
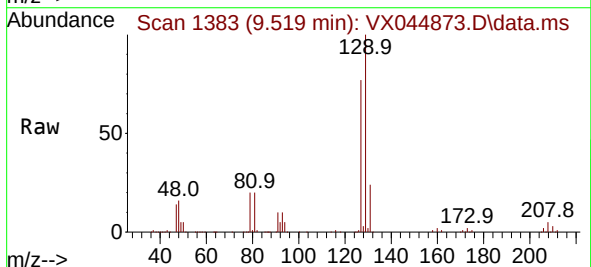
Acq: 10 Feb 2025 12:28

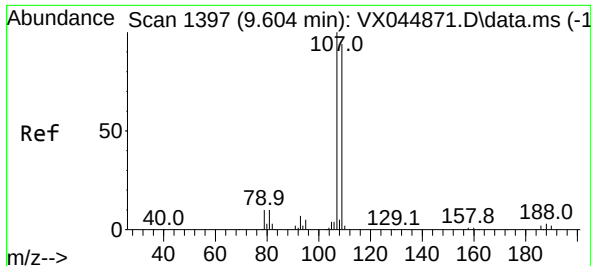
Tgt Ion: 129 Resp: 258320

Ion Ratio Lower Upper

129 100

127 77.6 39.1 117.3

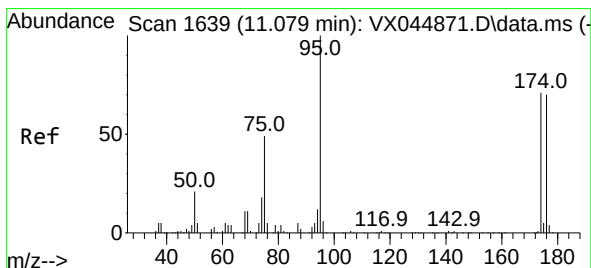
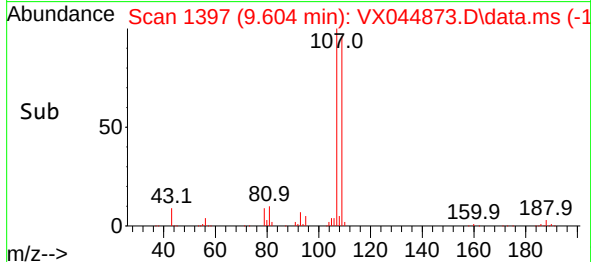
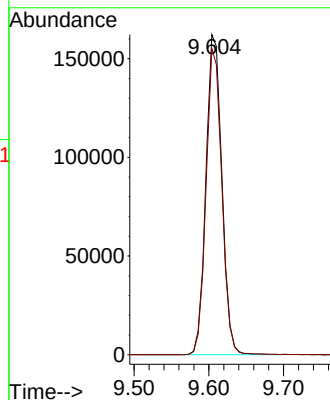
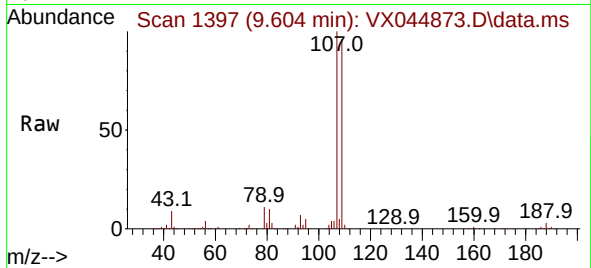




#61
1,2-Dibromoethane
Concen: 152.157 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

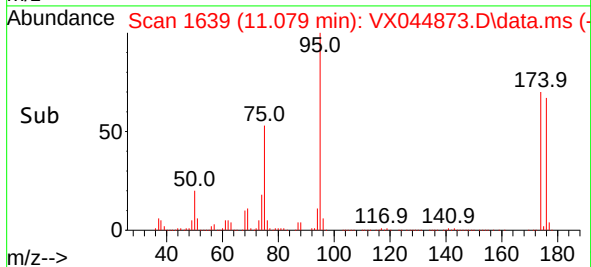
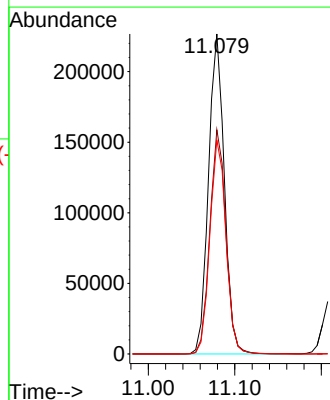
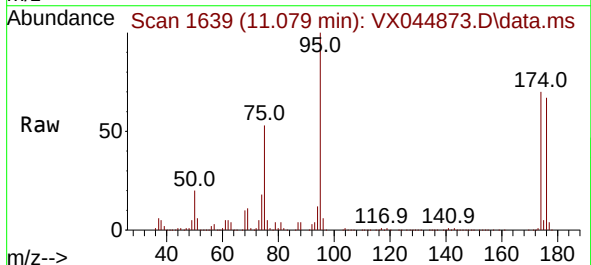
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

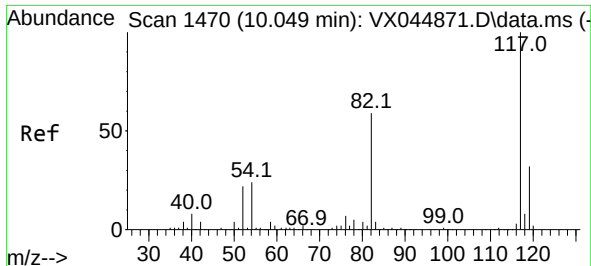
Tgt Ion:107 Resp: 240539
Ion Ratio Lower Upper
107 100
109 94.3 75.9 113.9



#62
4-Bromofluorobenzene
Concen: 149.124 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 95 Resp: 287486
Ion Ratio Lower Upper
95 100
174 71.2 0.0 142.6
176 68.0 0.0 141.6

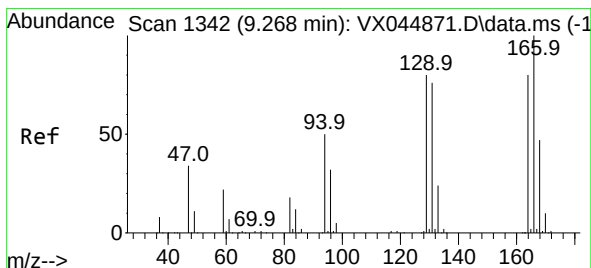
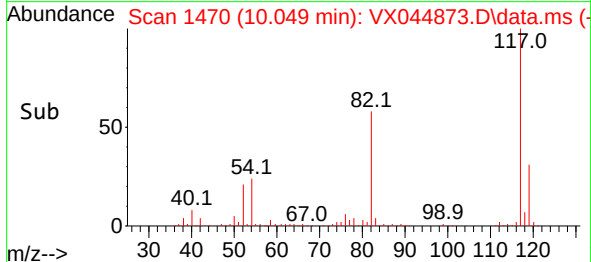
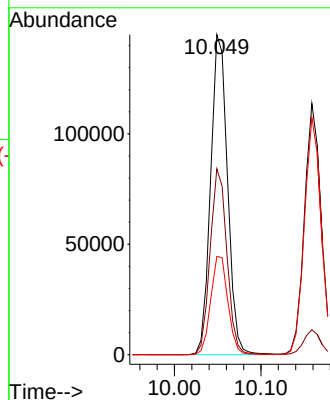
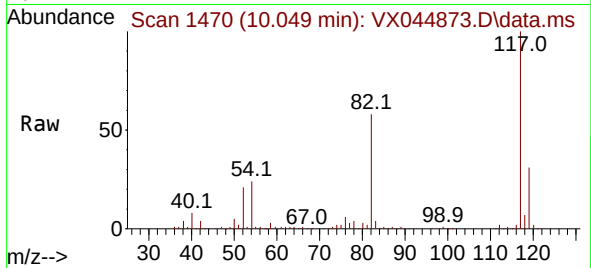




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

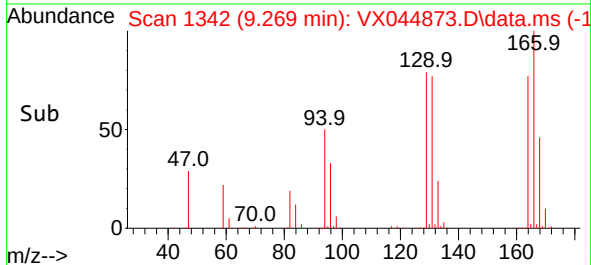
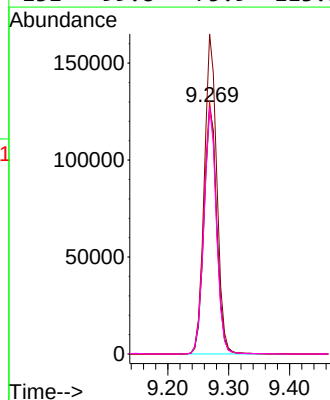
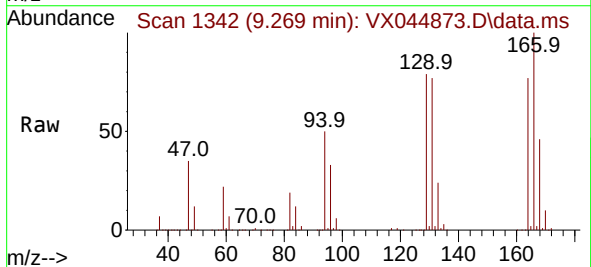
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

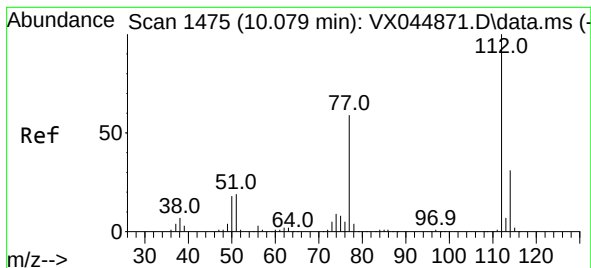
Tgt Ion:117 Resp: 196663
Ion Ratio Lower Upper
117 100
82 58.1 47.5 71.3
119 30.7 25.4 38.0



#64
Tetrachloroethene
Concen: 149.155 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:164 Resp: 184990
Ion Ratio Lower Upper
164 100
166 129.5 100.4 150.6
129 102.3 79.9 119.9
131 99.8 75.9 113.9

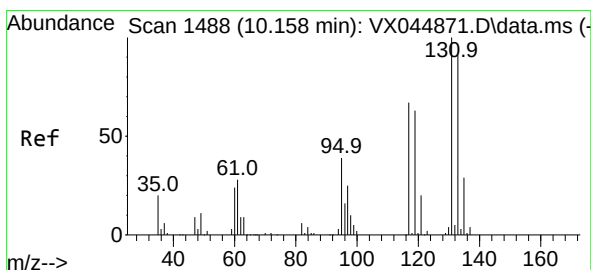
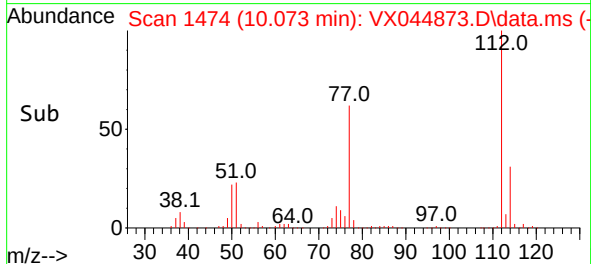
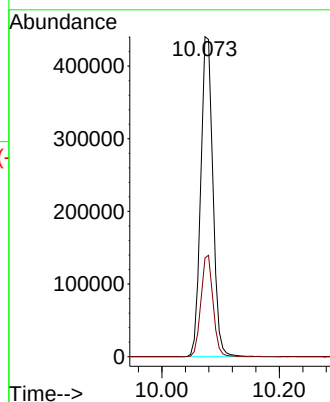
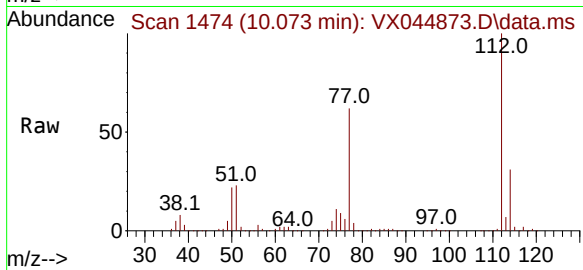




#65
Chlorobenzene
Concen: 150.224 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

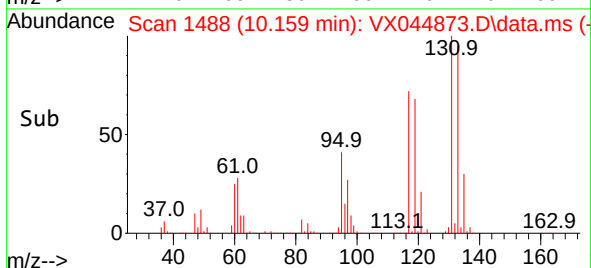
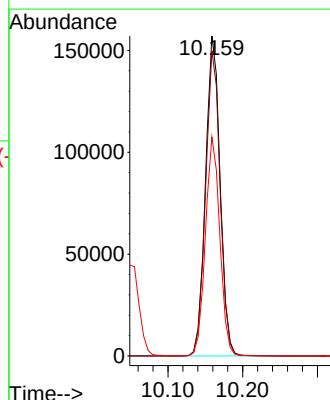
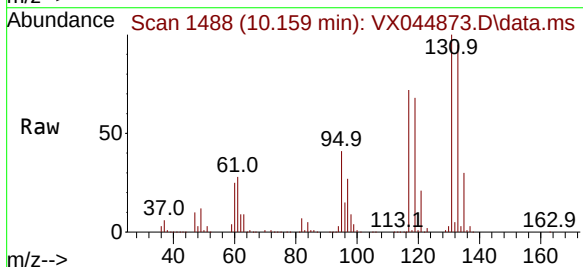
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

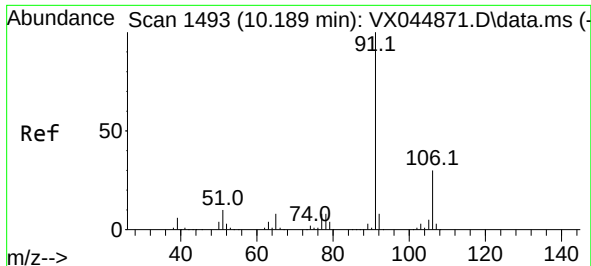
Tgt Ion:112 Resp: 634550
Ion Ratio Lower Upper
112 100
114 30.9 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 156.255 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:131 Resp: 212441
Ion Ratio Lower Upper
131 100
133 95.3 47.1 141.3
119 67.9 33.6 100.6





#67

Ethyl Benzene

Concen: 152.647 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

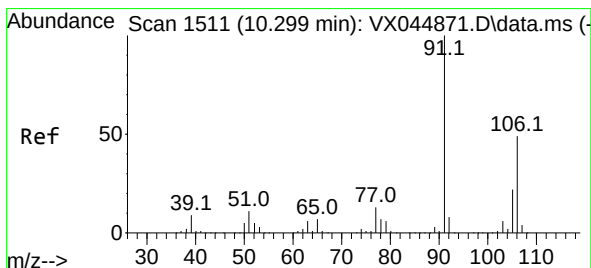
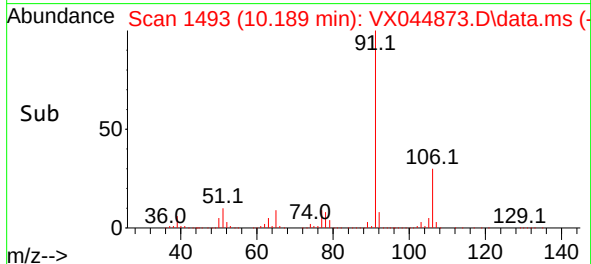
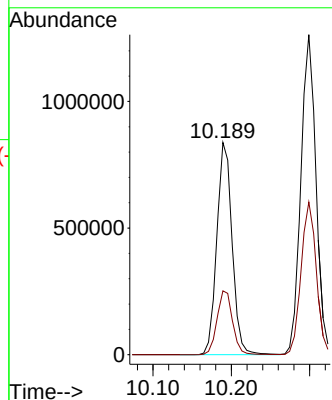
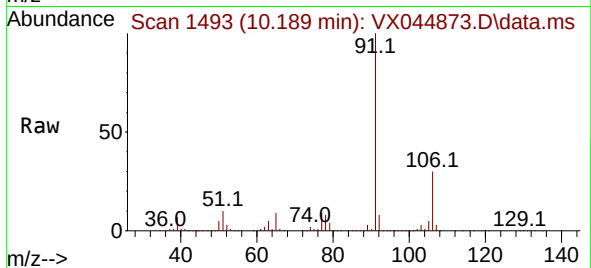
VSTDICC150

Tgt Ion: 91 Resp: 1137842

Ion Ratio Lower Upper

91 100

106 30.1 23.9 35.9



#68

m/p-Xylenes

Concen: 297.841 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044873.D

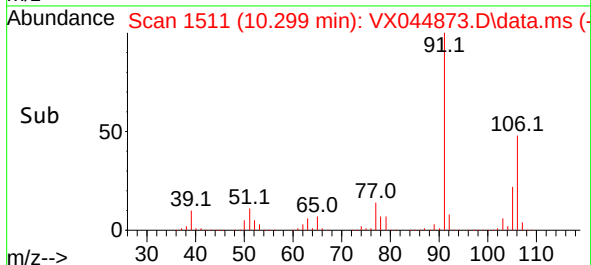
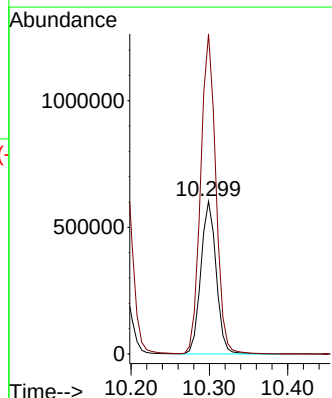
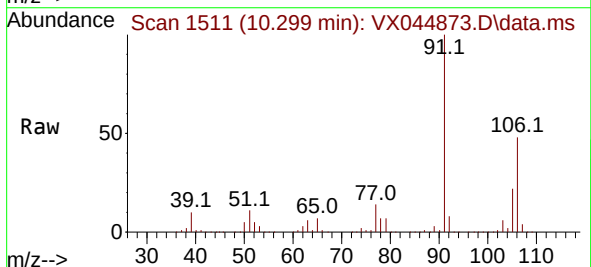
Acq: 10 Feb 2025 12:28

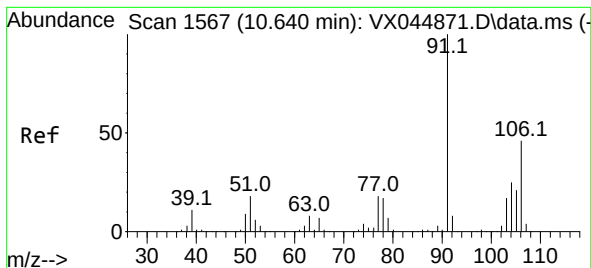
Tgt Ion:106 Resp: 818971

Ion Ratio Lower Upper

106 100

91 208.6 164.3 246.5

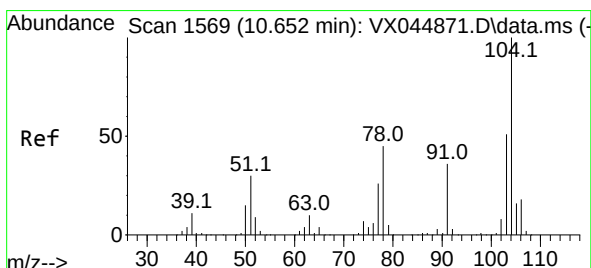
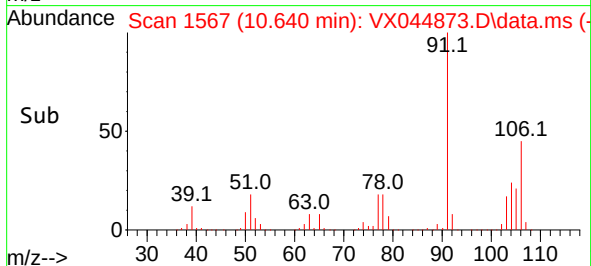
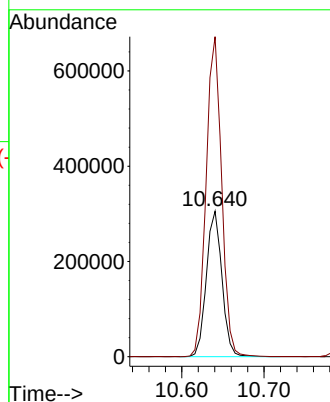
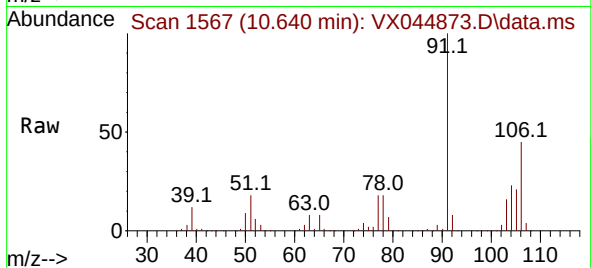




#69
o-Xylene
Concen: 145.674 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

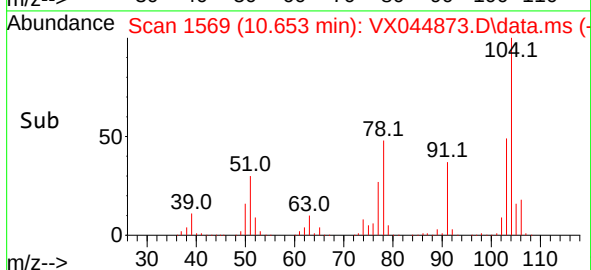
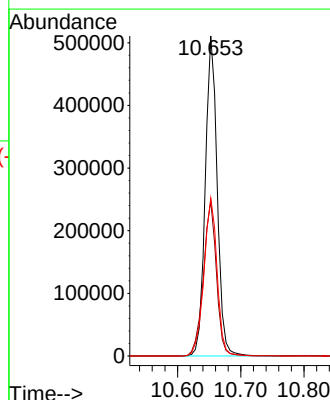
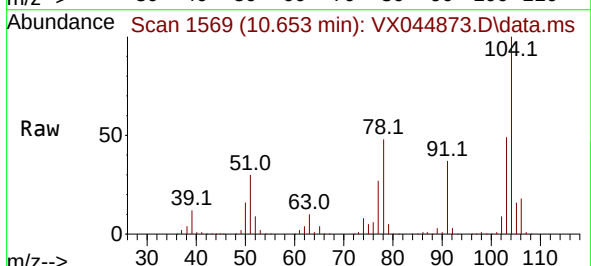
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

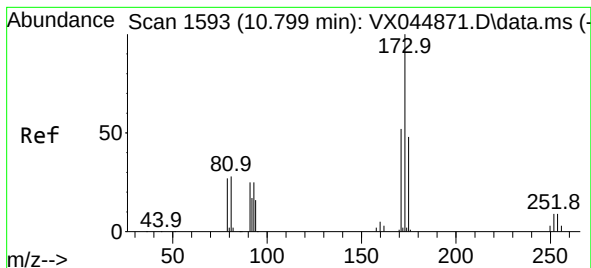
Tgt Ion:106 Resp: 401928
Ion Ratio Lower Upper
106 100
91 218.9 108.5 325.5



#70
Styrene
Concen: 151.140 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:104 Resp: 671843
Ion Ratio Lower Upper
104 100
78 53.0 40.5 60.7
103 54.5 43.6 65.4





#71

Bromoform

Concen: 167.033 ug/l

RT: 10.799 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

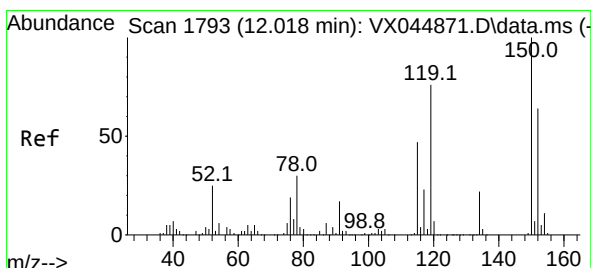
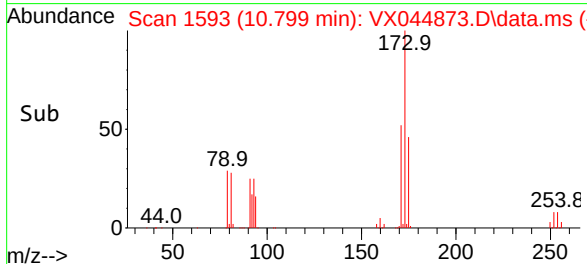
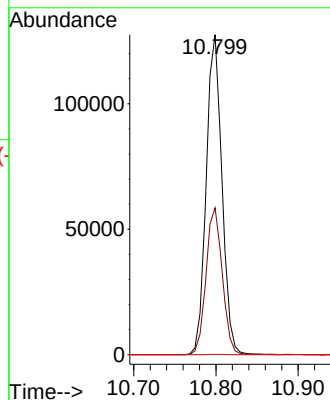
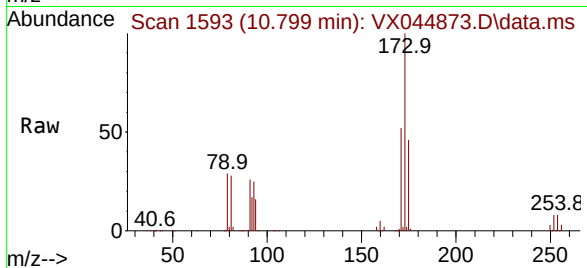
Tgt Ion:173 Resp: 169481

Ion Ratio Lower Upper

173 100

175 47.4 24.3 72.8

254 0.1 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: VX044873.D

Acq: 10 Feb 2025 12:28

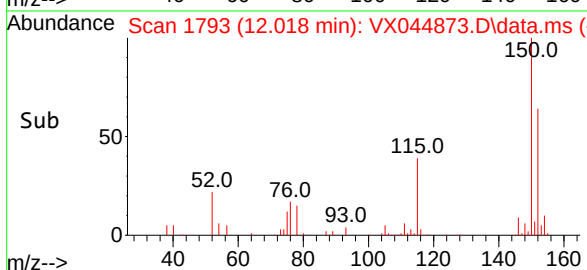
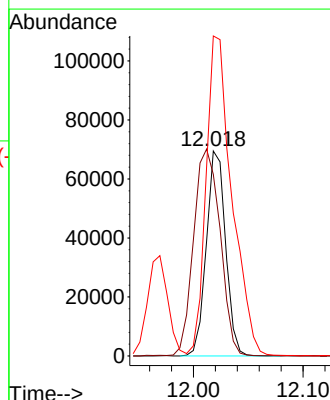
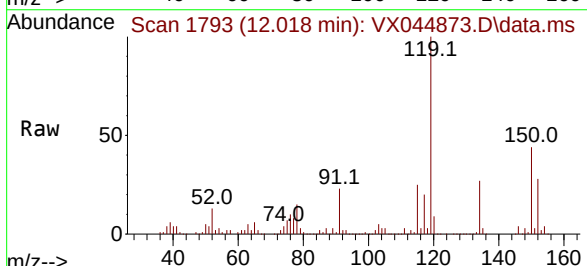
Tgt Ion:152 Resp: 84836

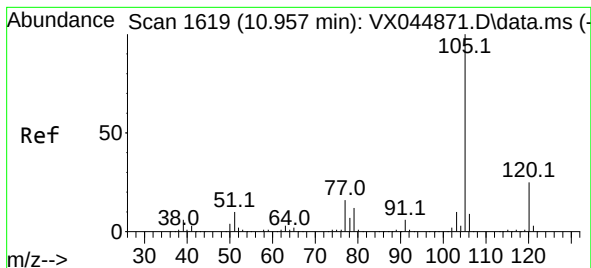
Ion Ratio Lower Upper

152 100

115 139.2 43.4 130.1#

150 209.6 0.0 350.4





#73

Isopropylbenzene

Concen: 151.869 ug/l

RT: 10.957 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

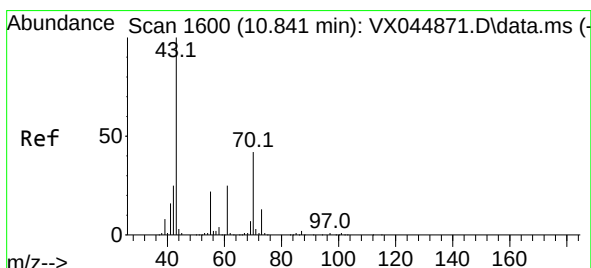
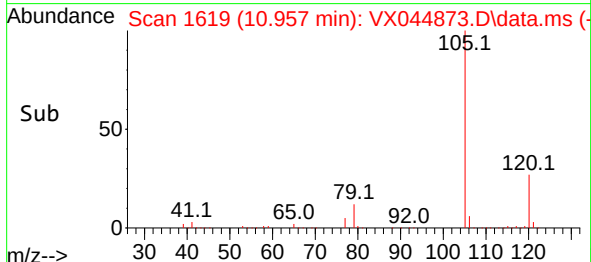
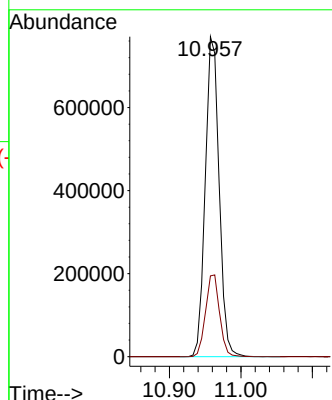
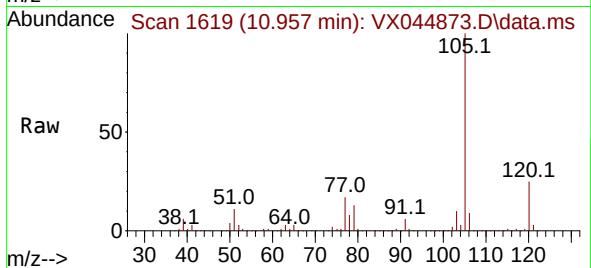
VSTDIC150

Tgt Ion:105 Resp: 1037402

Ion Ratio Lower Upper

105 100

120 25.9 13.2 39.5



#74

N-ethyl acetate

Concen: 168.861 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Tgt Ion: 43 Resp: 521962

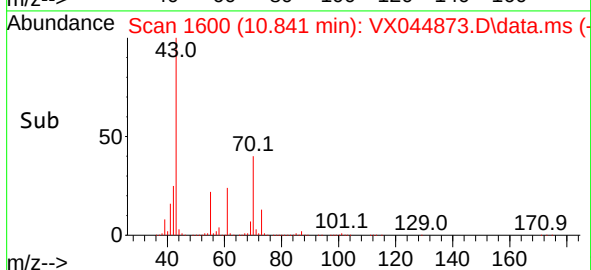
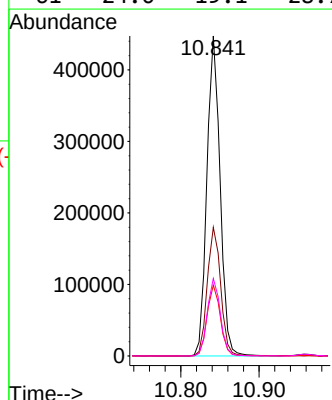
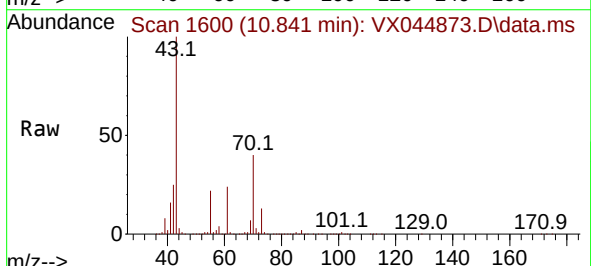
Ion Ratio Lower Upper

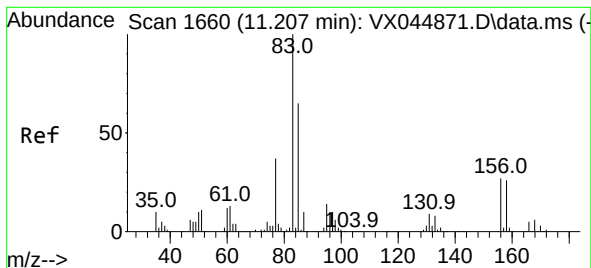
43 100

70 41.0 33.7 50.5

55 22.3 18.6 27.8

61 24.0 19.1 28.7

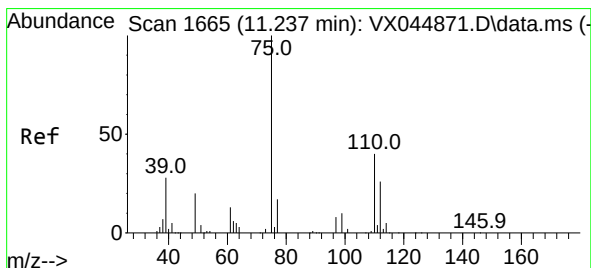
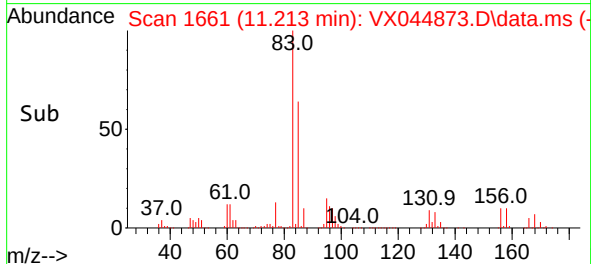
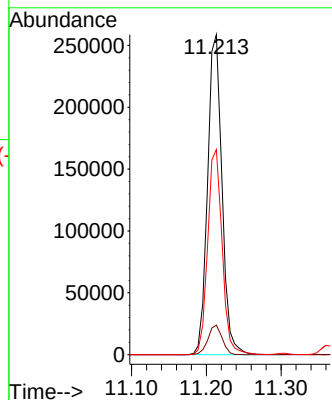
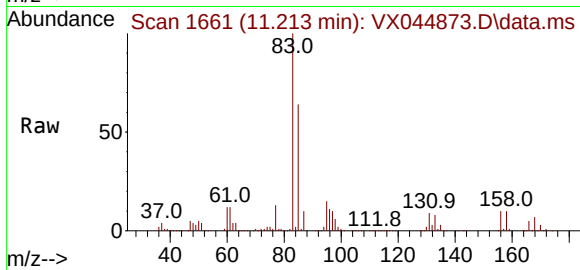




#75
1,1,2,2-Tetrachloroethane
Concen: 147.409 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

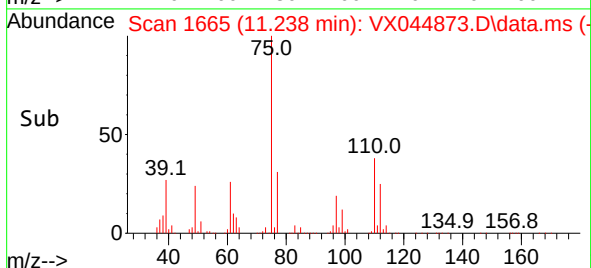
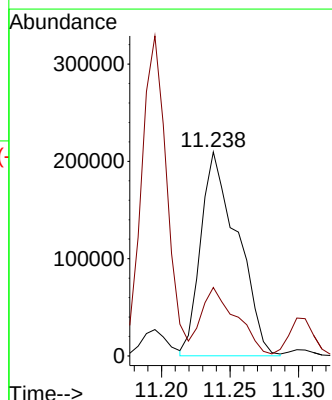
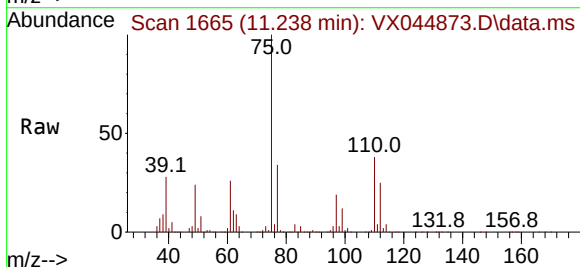
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

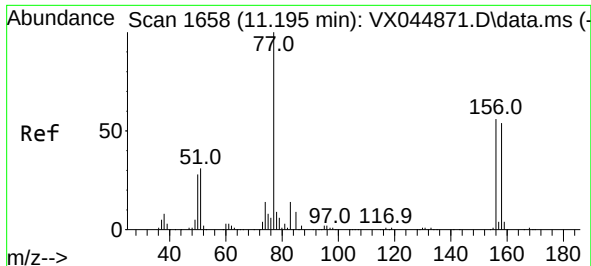
Tgt Ion: 83 Resp: 346013
Ion Ratio Lower Upper
83 100
131 9.1 4.5 13.5
85 64.3 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 208.411 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 75 Resp: 392008
Ion Ratio Lower Upper
75 100
77 32.2 21.9 65.7

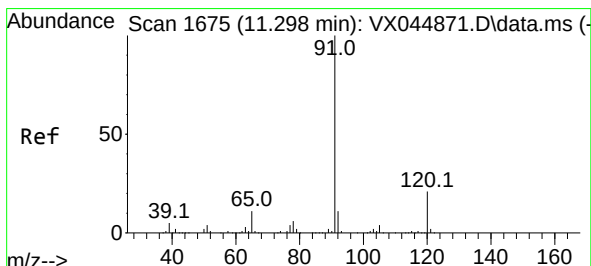
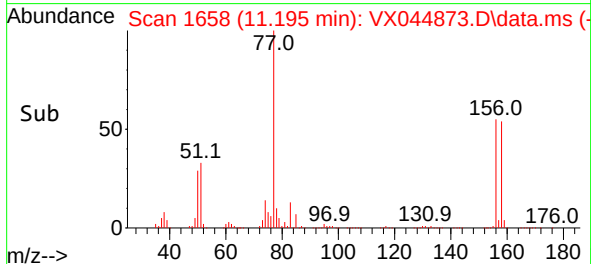
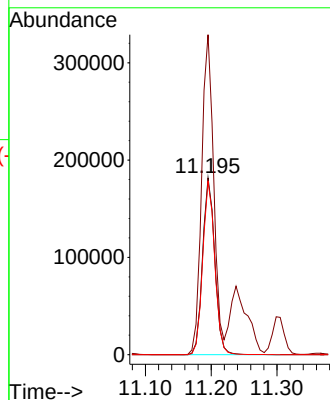
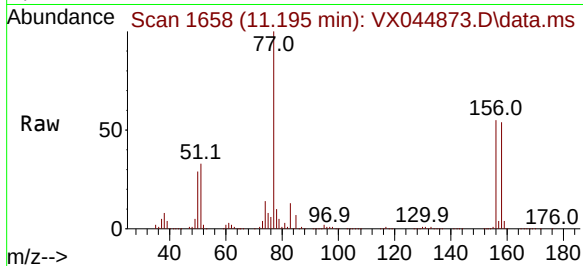




#77
Bromobenzene
Concen: 151.715 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

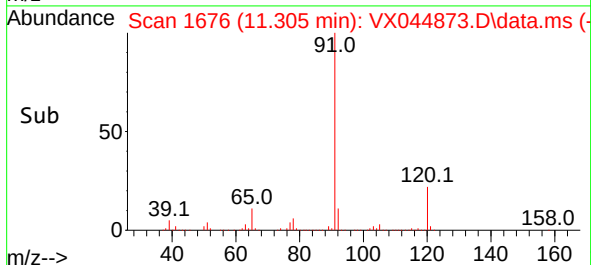
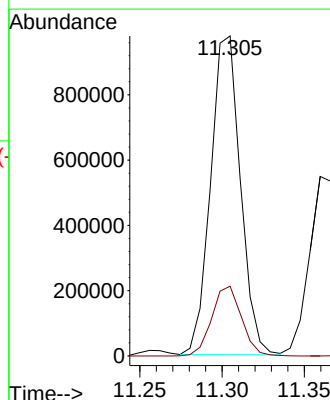
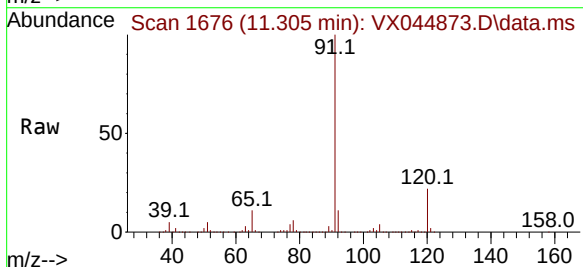
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

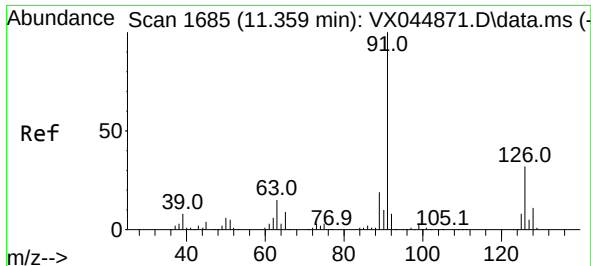
Tgt Ion:156 Resp: 234957
Ion Ratio Lower Upper
156 100
77 179.2 88.4 265.3
158 97.1 48.4 145.2



#78
n-propylbenzene
Concen: 156.140 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 91 Resp: 1231079
Ion Ratio Lower Upper
91 100
120 21.8 11.1 33.3

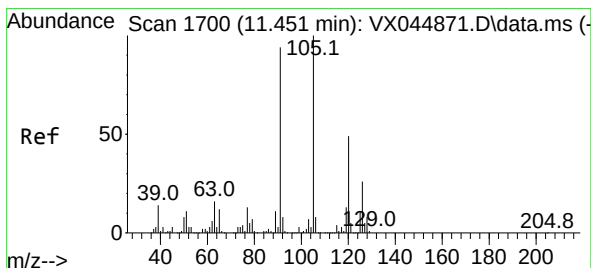
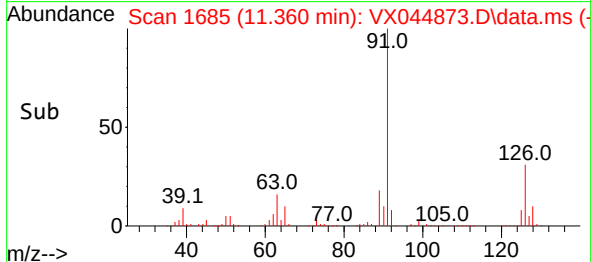
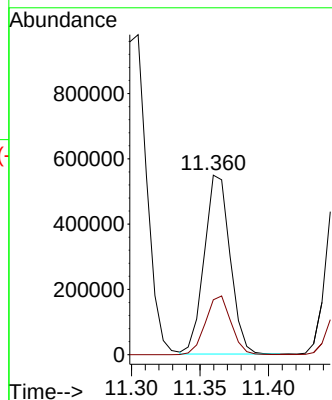
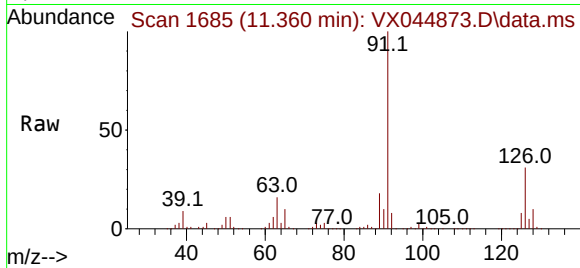




#79
2-Chlorotoluene
Concen: 148.123 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

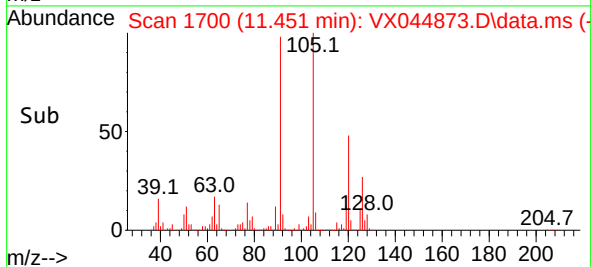
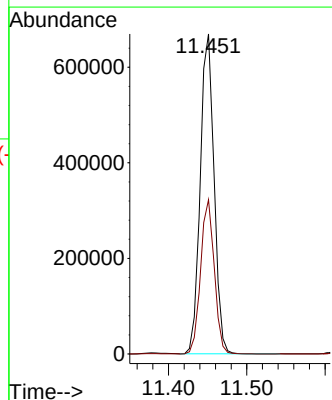
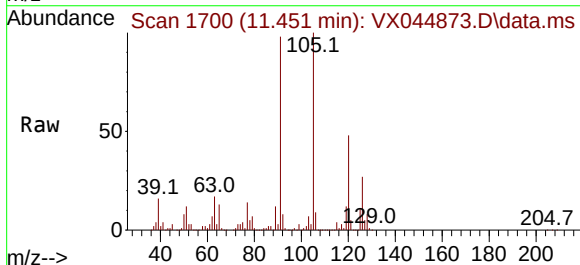
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

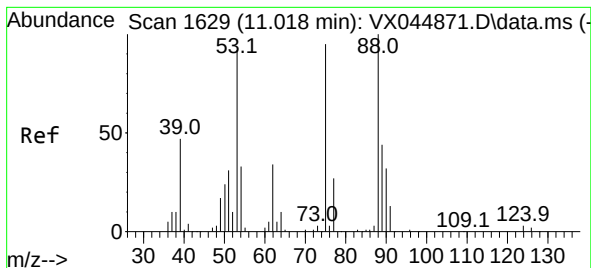
Tgt Ion: 91 Resp: 717766
Ion Ratio Lower Upper
91 100
126 32.5 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 148.415 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 105 Resp: 822707
Ion Ratio Lower Upper
105 100
120 47.6 24.0 72.0

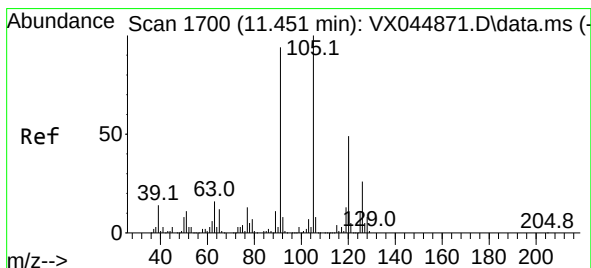
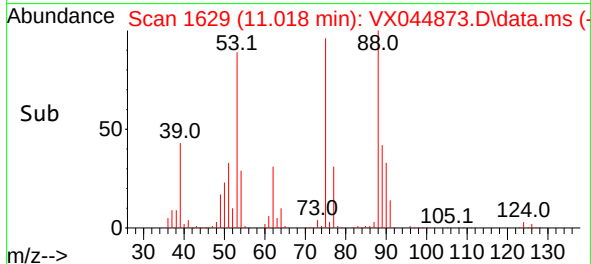
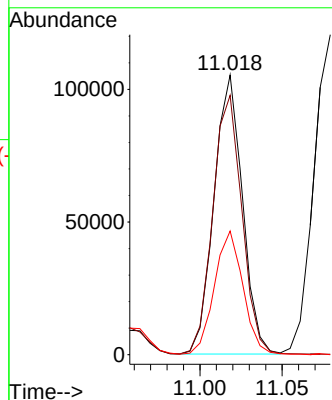
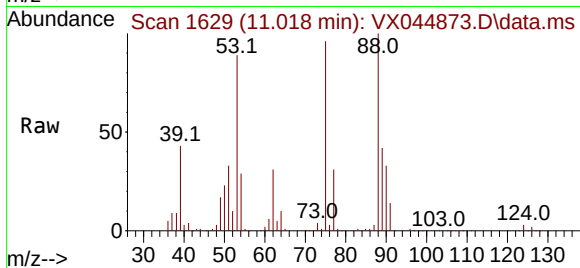




#81
trans-1,4-Dichloro-2-butene
Concen: 173.221 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

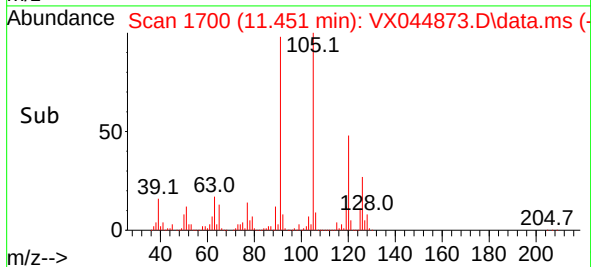
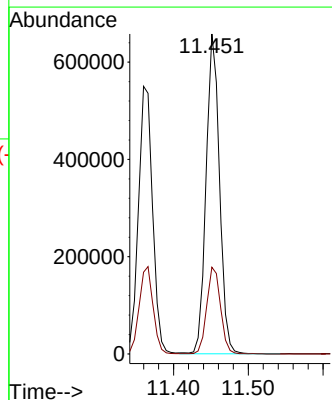
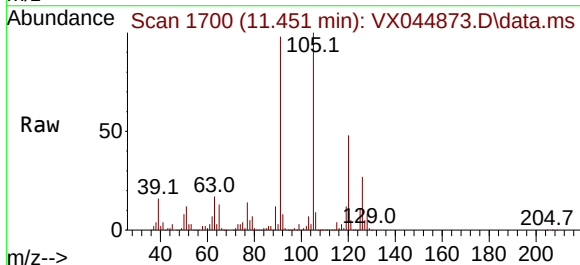
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

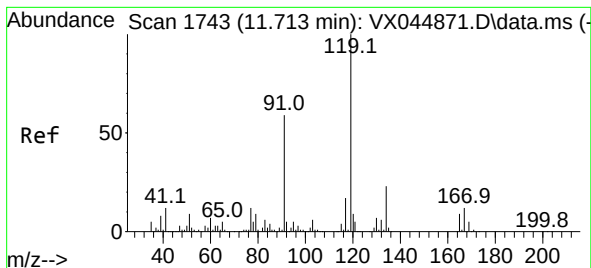
Tgt Ion: 75 Resp: 126660
Ion Ratio Lower Upper
75 100
53 95.2 78.0 117.0
89 44.7 36.6 54.8



#82
4-Chlorotoluene
Concen: 152.602 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 91 Resp: 818099
Ion Ratio Lower Upper
91 100
126 27.9 14.2 42.6

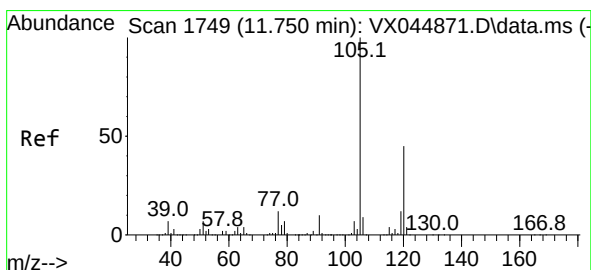
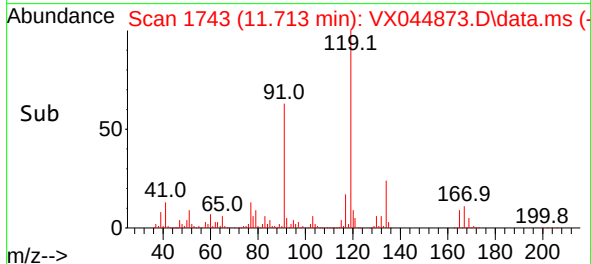
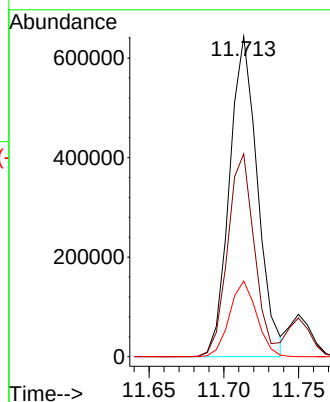
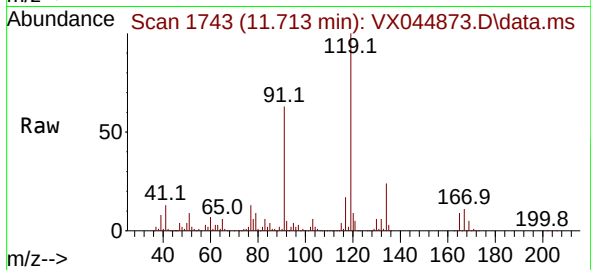




#83
tert-Butylbenzene
Concen: 149.610 ug/l
RT: 11.713 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

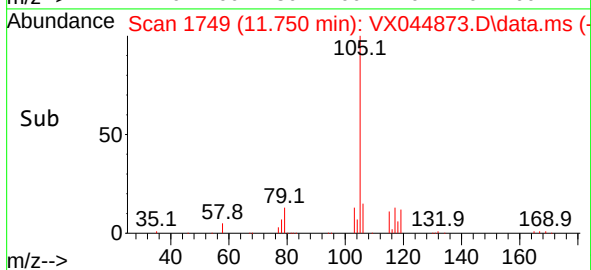
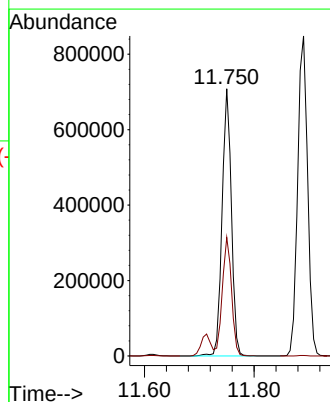
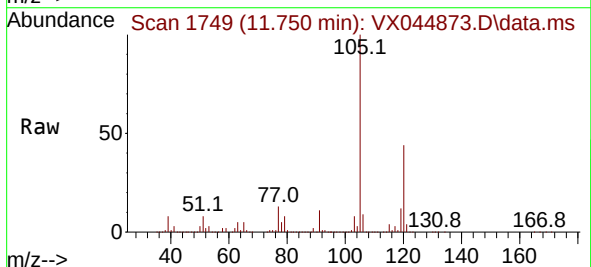
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

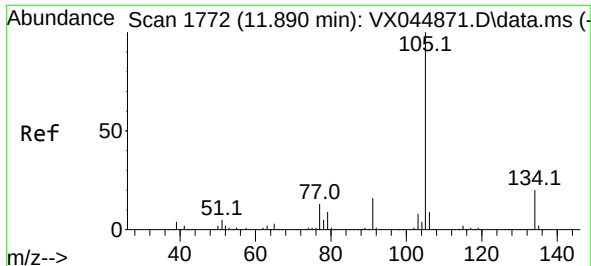
Tgt Ion:119 Resp: 838979
Ion Ratio Lower Upper
119 100
91 61.1 29.1 87.4
134 22.9 11.5 34.5



#84
1,2,4-Trimethylbenzene
Concen: 153.274 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:105 Resp: 838584
Ion Ratio Lower Upper
105 100
120 44.2 22.4 67.0

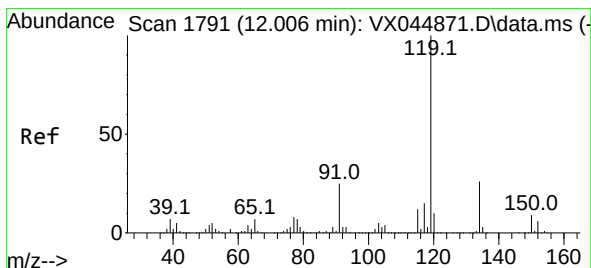
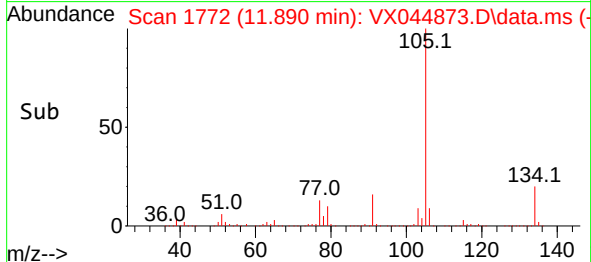
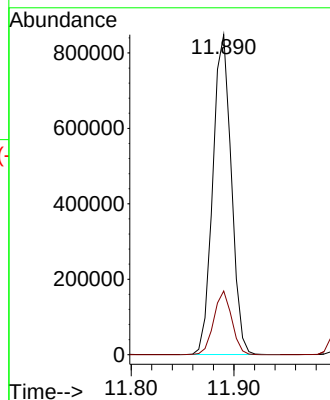
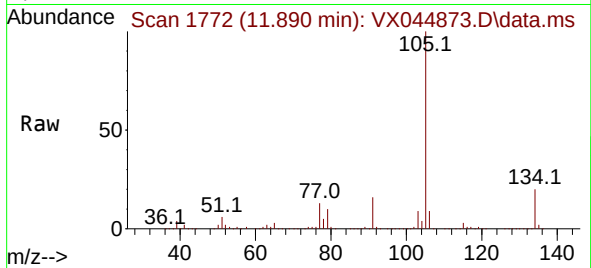




#85
 sec-Butylbenzene
 Concen: 152.806 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX044873.D
 Acq: 10 Feb 2025 12:28

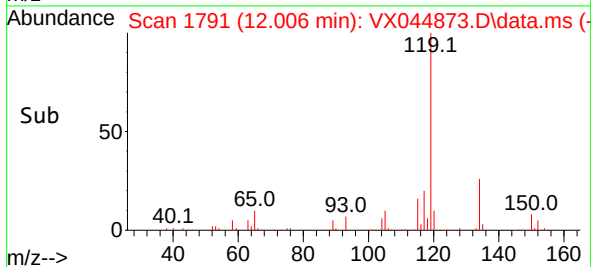
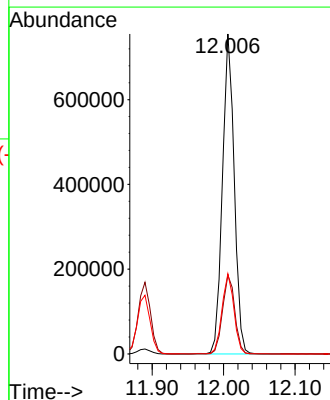
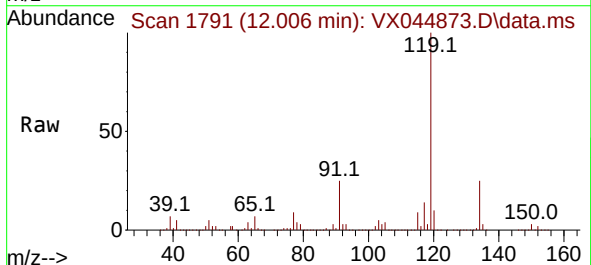
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

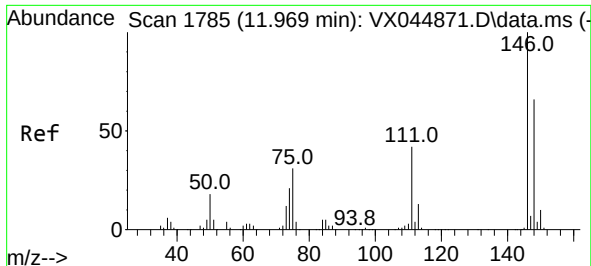
Tgt Ion:105 Resp: 1061101
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 154.987 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX044873.D
 Acq: 10 Feb 2025 12:28

Tgt Ion:119 Resp: 865491
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.0 38.9
 91 25.3 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 152.175 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

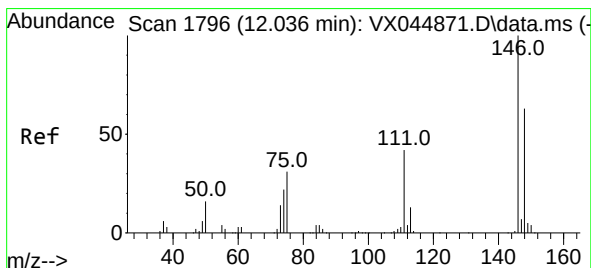
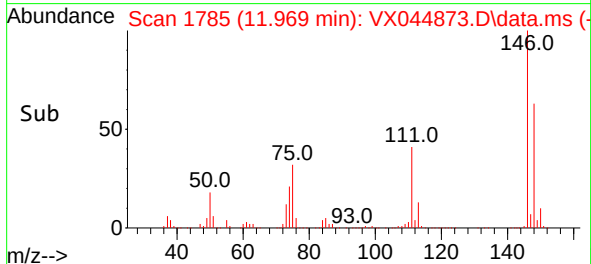
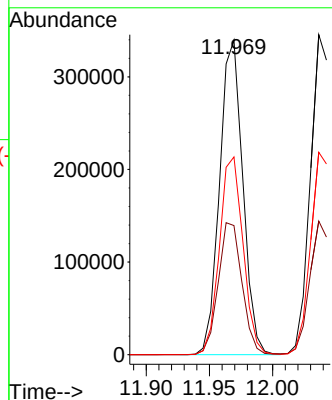
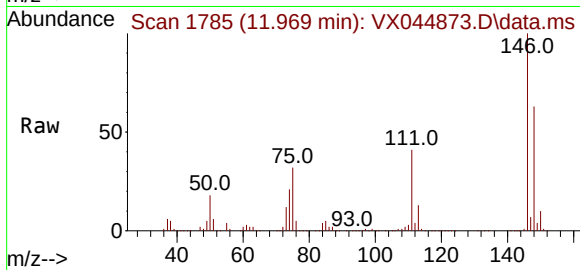
Tgt Ion:146 Resp: 433384

Ion Ratio Lower Upper

146 100

111 43.0 21.2 63.6

148 63.9 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 150.362 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

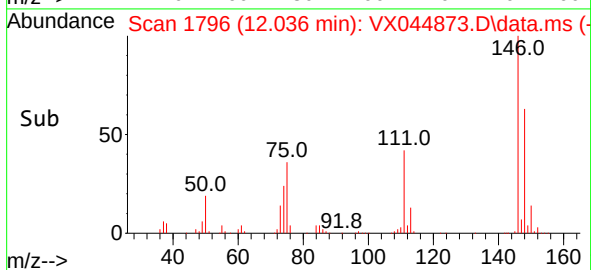
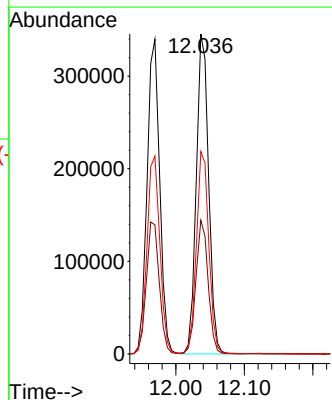
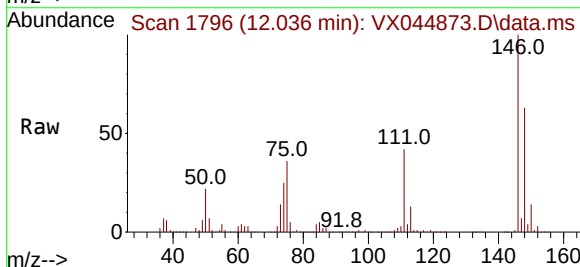
Tgt Ion:146 Resp: 432987

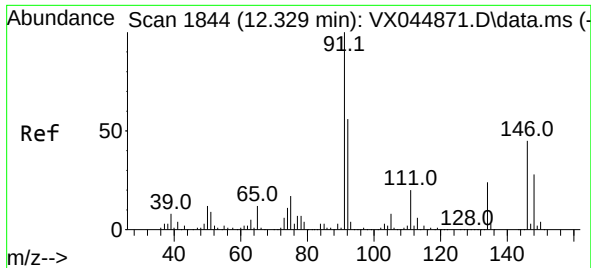
Ion Ratio Lower Upper

146 100

111 41.2 20.4 61.3

148 63.7 32.0 96.0

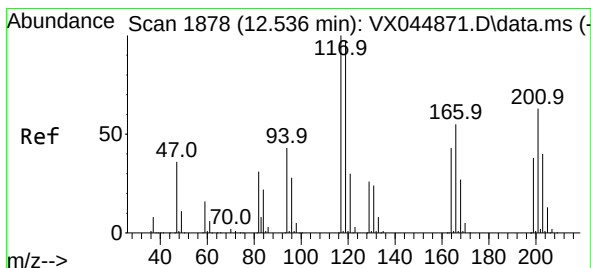
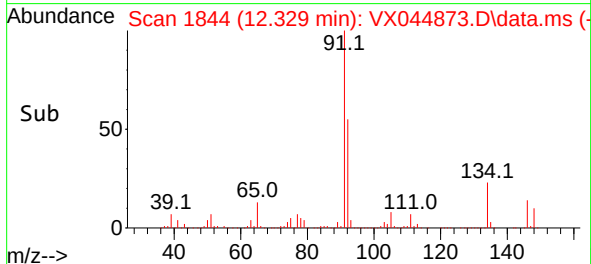
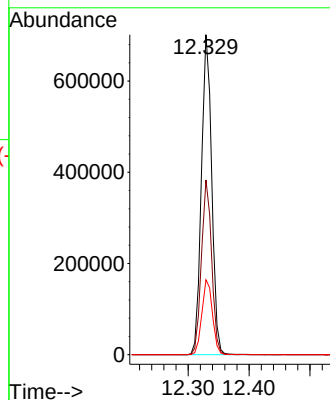
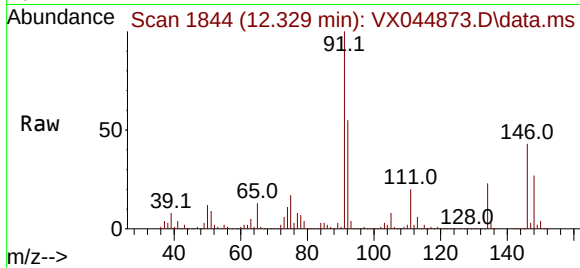




#89
n-Butylbenzene
Concen: 167.469 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

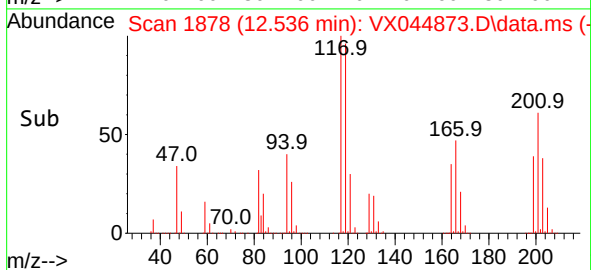
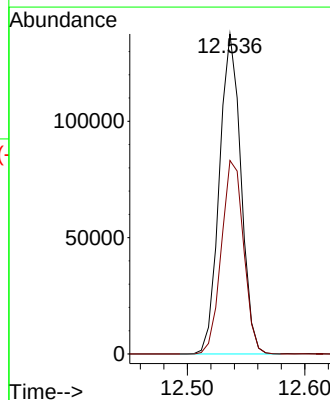
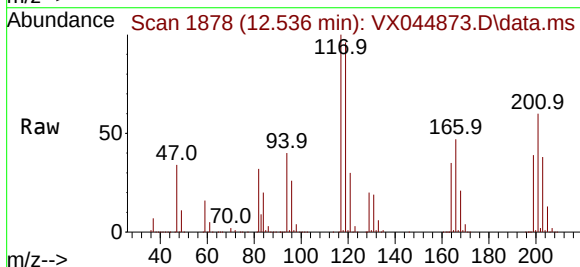
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

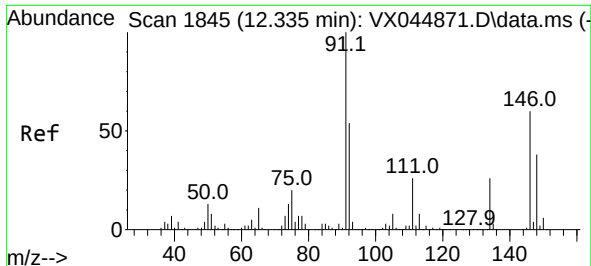
Tgt Ion: 91 Resp: 827359
Ion Ratio Lower Upper
91 100
92 54.2 27.2 81.6
134 24.0 12.1 36.3



#90
Hexachloroethane
Concen: 167.760 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 117 Resp: 175414
Ion Ratio Lower Upper
117 100
201 62.4 32.5 97.5

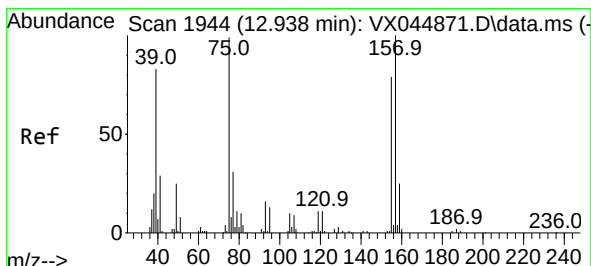
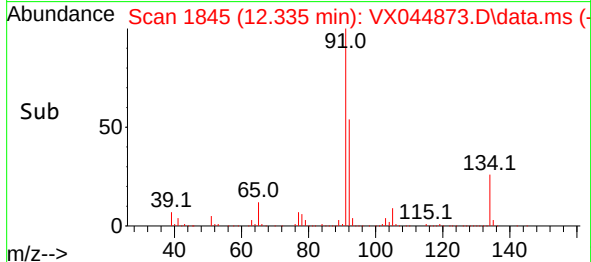
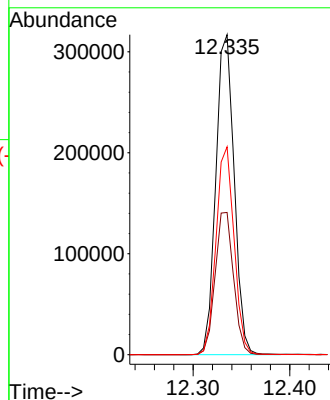
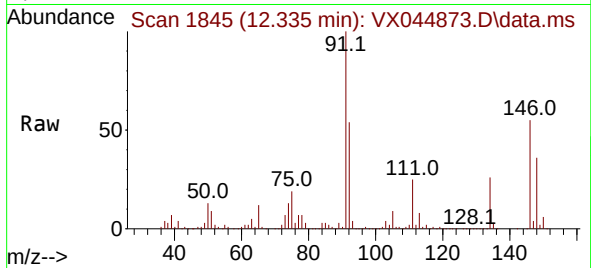




#91
1,2-Dichlorobenzene
Concen: 149.042 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

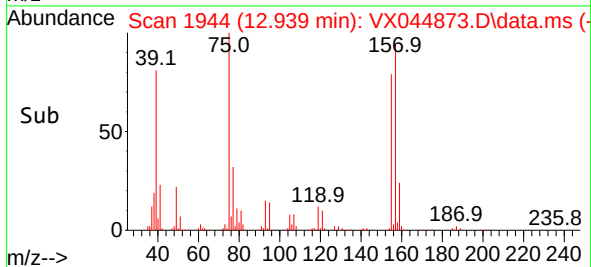
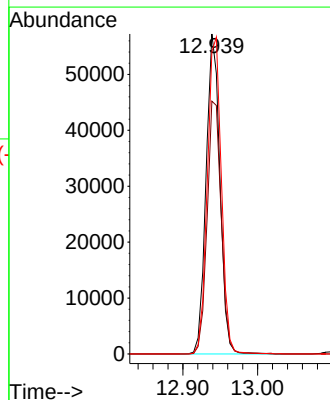
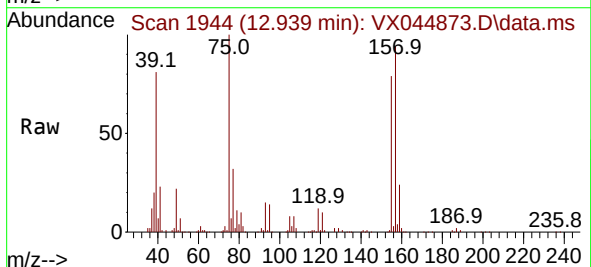
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

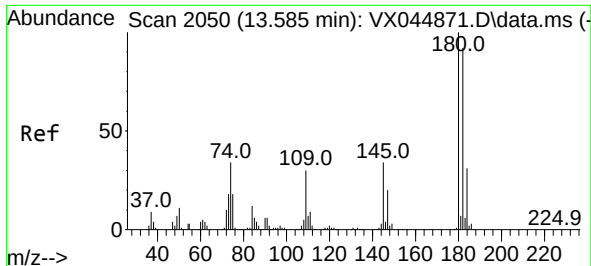
Tgt Ion:146 Resp: 417167
Ion Ratio Lower Upper
146 100
111 44.9 21.8 65.4
148 64.1 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 171.783 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion: 75 Resp: 73593
Ion Ratio Lower Upper
75 100
155 80.1 40.5 121.4
157 100.5 51.4 154.3

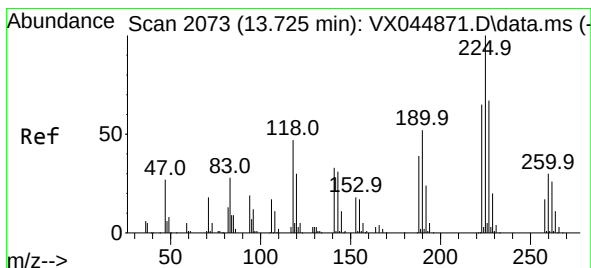
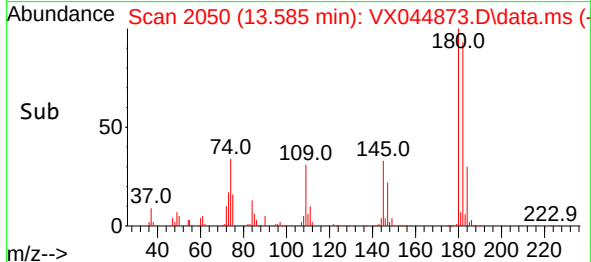
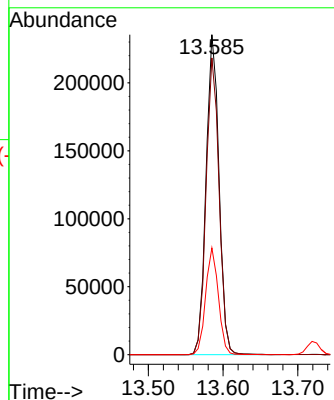
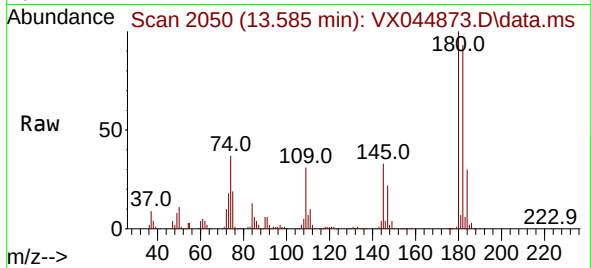




#93
1,2,4-Trichlorobenzene
Concen: 167.095 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

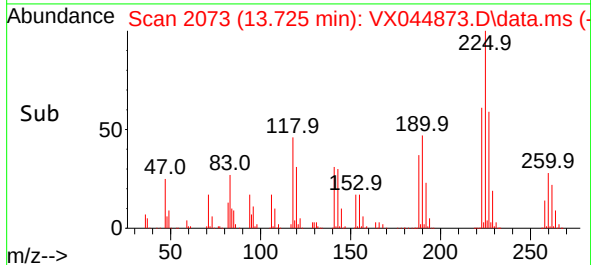
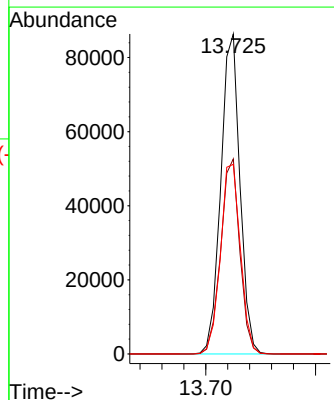
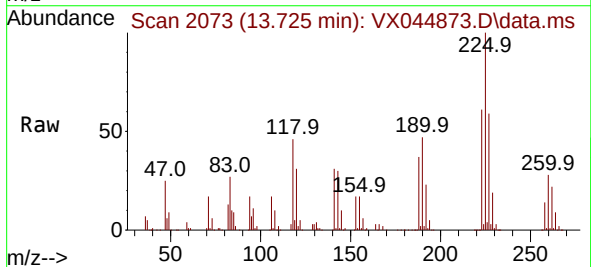
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

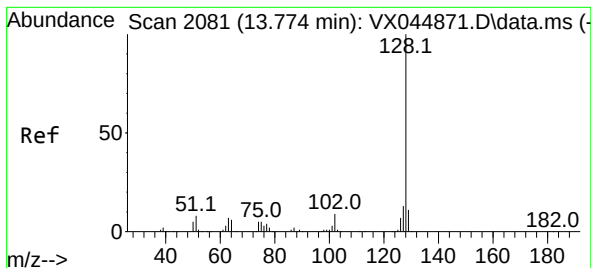
Tgt Ion:180 Resp: 283004
Ion Ratio Lower Upper
180 100
182 93.2 47.6 142.8
145 32.8 16.4 49.1



#94
Hexachlorobutadiene
Concen: 155.682 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX044873.D
Acq: 10 Feb 2025 12:28

Tgt Ion:225 Resp: 104674
Ion Ratio Lower Upper
225 100
223 60.9 31.4 94.2
227 61.9 32.3 96.8





#95

Naphthalene

Concen: 165.916 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

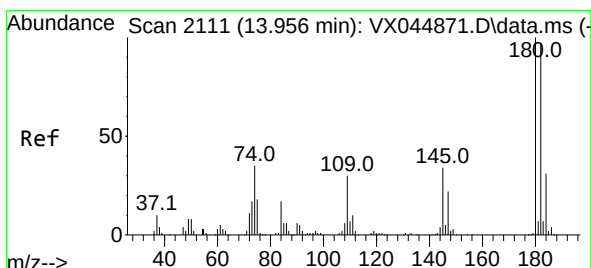
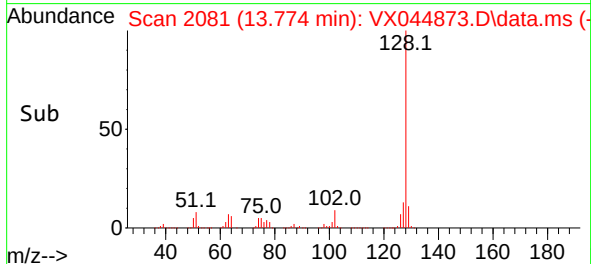
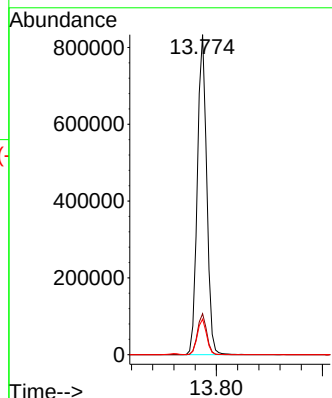
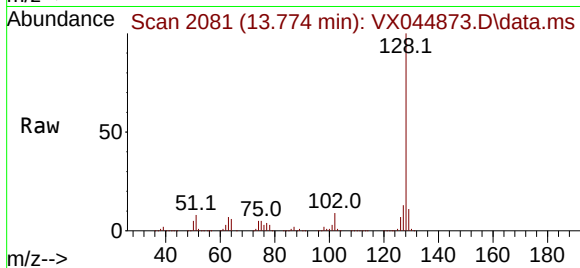
Tgt Ion:128 Resp: 1015801

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

129 11.0 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 165.408 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX044873.D

Acq: 10 Feb 2025 12:28

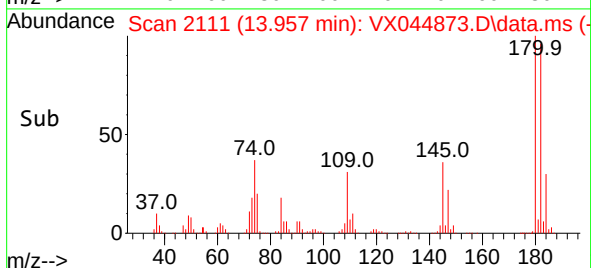
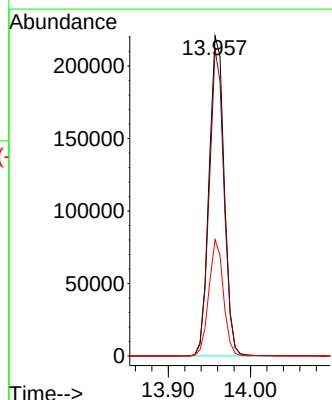
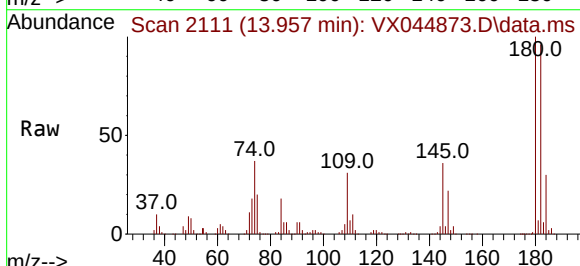
Tgt Ion:180 Resp: 282289

Ion Ratio Lower Upper

180 100

182 93.4 47.9 143.6

145 34.9 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\X021025\
 Data File : VX044875.D
 Acq On : 10 Feb 2025 13:15
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021025

Quant Time: Feb 11 06:02:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	135936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	245098	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	213248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	97087	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	95635	48.061	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.120%
35) Dibromofluoromethane	5.379	113	78360	49.173	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.340%
50) Toluene-d8	8.647	98	299178	49.649	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.300%
62) 4-Bromofluorobenzene	11.079	95	105201	51.786	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.580%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	93752	49.173	ug/l	99
3) Chloromethane	1.300	50	110431	47.590	ug/l	98
4) Vinyl Chloride	1.374	62	105730	47.033	ug/l	100
5) Bromomethane	1.593	94	31428	46.719	ug/l	97
6) Chloroethane	1.660	64	37913	42.198	ug/l	99
7) Trichlorofluoromethane	1.867	101	138044	48.558	ug/l	97
8) Diethyl Ether	2.130	74	49018	47.544	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	86892	50.588	ug/l	98
10) Methyl Iodide	2.447	142	111488	50.082	ug/l	100
11) Tert butyl alcohol	2.983	59	92949	251.791	ug/l	100
12) 1,1-Dichloroethene	2.306	96	83987	47.935	ug/l	95
13) Acrolein	2.233	56	91744	240.879	ug/l	98
14) Allyl chloride	2.654	41	155084	48.976	ug/l	99
15) Acrylonitrile	3.062	53	247921	251.537	ug/l	99
16) Acetone	2.379	43	205743	257.198	ug/l	98
17) Carbon Disulfide	2.501	76	237694	49.472	ug/l	100
18) Methyl Acetate	2.703	43	126015	49.920	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	275685	49.453	ug/l	99
20) Methylene Chloride	2.782	84	94006	47.978	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	84720	49.129	ug/l	98
22) Diisopropyl ether	3.757	45	300357	50.138	ug/l	98
23) Vinyl Acetate	3.715	43	1257431	257.465	ug/l	100
24) 1,1-Dichloroethane	3.599	63	165351	49.329	ug/l	99
25) 2-Butanone	4.556	43	335358	258.175	ug/l	97
26) 2,2-Dichloropropane	4.464	77	133670	50.285	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	102518	49.493	ug/l	99
28) Bromochloromethane	4.891	49	72893	45.250	ug/l	99
29) Tetrahydrofuran	5.001	42	218496	253.318	ug/l	100
30) Chloroform	5.086	83	157312	48.393	ug/l	98
31) Cyclohexane	5.458	56	152073	49.211	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	134626	48.825	ug/l	100
36) 1,1-Dichloropropene	5.684	75	111968	48.702	ug/l	99
37) Ethyl Acetate	4.708	43	126071	49.300	ug/l	99
38) Carbon Tetrachloride	5.672	117	110581	49.083	ug/l	97
39) Methylcyclohexane	7.372	83	158289	53.254	ug/l	98
40) Benzene	6.031	78	358365	49.919	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044875.D
 Acq On : 10 Feb 2025 13:15
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021025

Quant Time: Feb 11 06:02:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	73559	53.741	ug/l	99
42) 1,2-Dichloroethane	6.080	62	115339	50.410	ug/l	100
43) Isopropyl Acetate	6.336	43	213901	51.798	ug/l	100
44) Trichloroethene	7.116	130	81911	49.917	ug/l	99
45) 1,2-Dichloropropane	7.427	63	89992	50.387	ug/l	98
46) Dibromomethane	7.580	93	61360	49.540	ug/l	99
47) Bromodichloromethane	7.818	83	122265	50.980	ug/l	99
48) Methyl methacrylate	7.690	41	102900	52.848	ug/l	99
49) 1,4-Dioxane	7.659	88	42658	1021.138	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	665564	265.112	ug/l	100
52) Toluene	8.714	92	216682	50.680	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	130405	53.731	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	143379	52.986	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	83510	50.811	ug/l	100
56) Ethyl methacrylate	9.116	69	143524	54.068	ug/l	99
57) 1,3-Dichloropropane	9.305	76	146236	50.852	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	370622	284.352	ug/l	99
59) 2-Hexanone	9.427	43	488298	269.951	ug/l	99
60) Dibromochloromethane	9.518	129	90826	51.673	ug/l	99
61) 1,2-Dibromoethane	9.604	107	85683	51.436	ug/l	100
64) Tetrachloroethene	9.268	164	66468	49.424	ug/l	98
65) Chlorobenzene	10.079	112	233373	50.952	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	75488	51.205	ug/l	98
67) Ethyl Benzene	10.189	91	415575	51.415	ug/l	99
68) m/p-Xylenes	10.299	106	310925	104.282	ug/l	100
69) o-Xylene	10.640	106	151995	50.804	ug/l	100
70) Styrene	10.652	104	257972	53.521	ug/l	100
71) Bromoform	10.799	173	59409	53.997	ug/l #	100
73) Isopropylbenzene	10.957	105	390246	49.921	ug/l	100
74) N-amyl acetate	10.841	43	186145	52.621	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	129829	48.331	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	143167	66.510	ug/l	83
77) Bromobenzene	11.195	156	88129	49.725	ug/l	100
78) n-propylbenzene	11.299	91	463655	51.386	ug/l	99
79) 2-Chlorotoluene	11.360	91	272091	49.065	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	323251	50.956	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	44070	52.665	ug/l	99
82) 4-Chlorotoluene	11.451	91	312112	50.872	ug/l	100
83) tert-Butylbenzene	11.713	119	321772	50.139	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	323035	51.593	ug/l	100
85) sec-Butylbenzene	11.890	105	410197	51.617	ug/l	100
86) p-Isopropyltoluene	12.006	119	336027	52.581	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	164508	50.475	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	163203	49.526	ug/l	100
89) n-Butylbenzene	12.329	91	311764	55.142	ug/l	100
90) Hexachloroethane	12.536	117	61016	50.990	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	161590	50.447	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	25339	51.684	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	102197	52.726	ug/l	99
94) Hexachlorobutadiene	13.719	225	38998	50.683	ug/l	98
95) Naphthalene	13.774	128	371576	53.033	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	100730	51.575	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

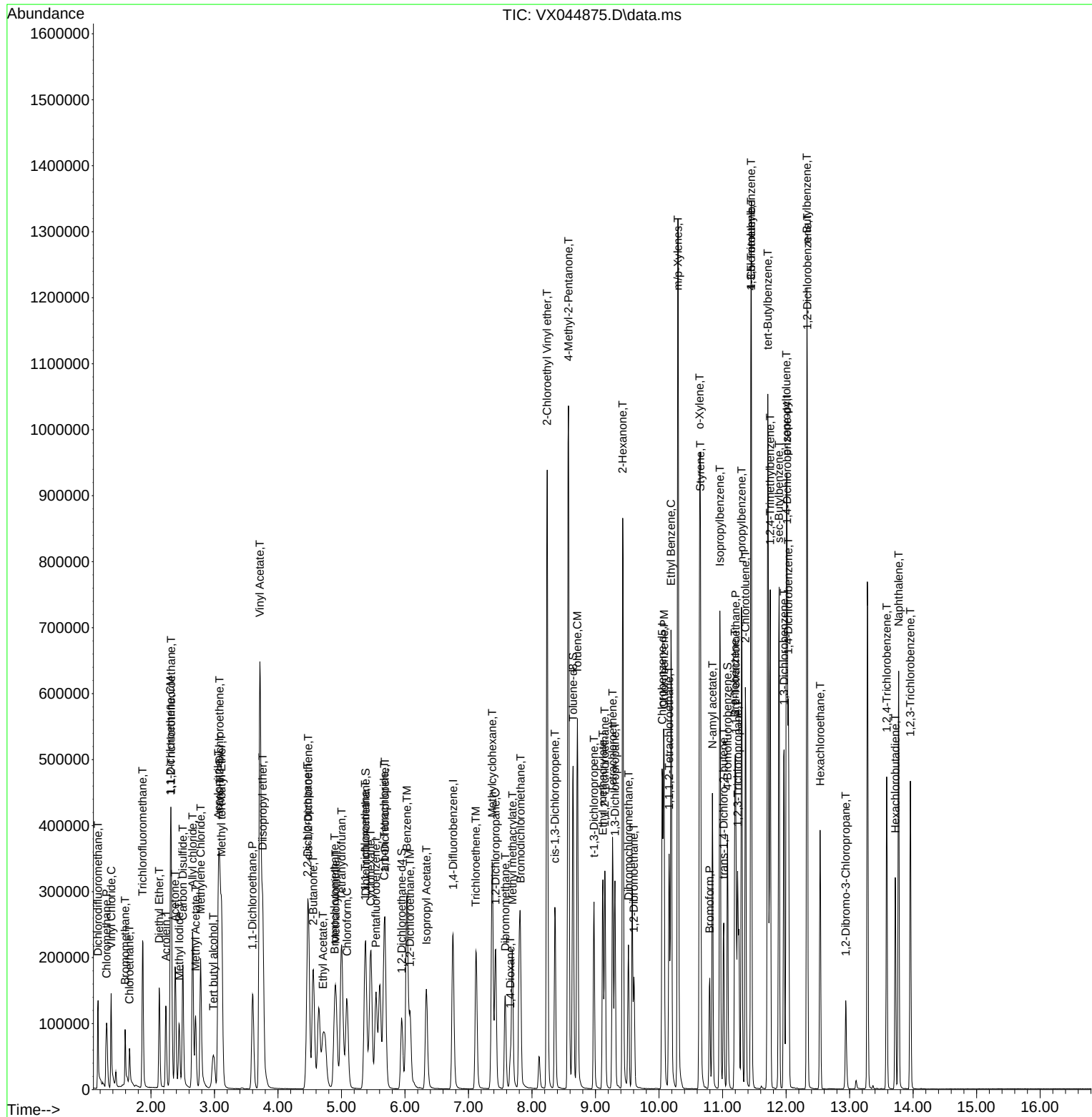
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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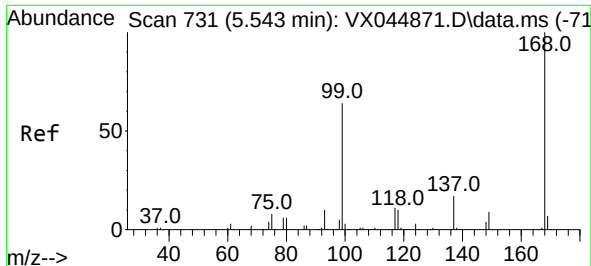
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
Data File : VX044875.D
Acq On : 10 Feb 2025 13:15
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Quant Time: Feb 11 06:02:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

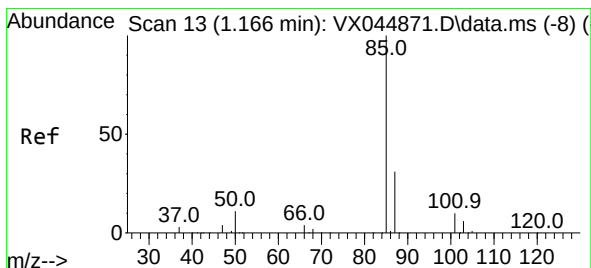
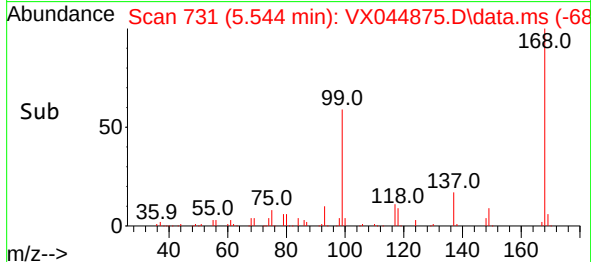
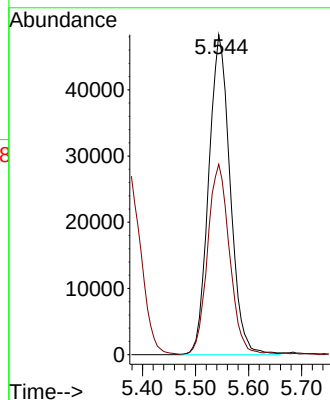
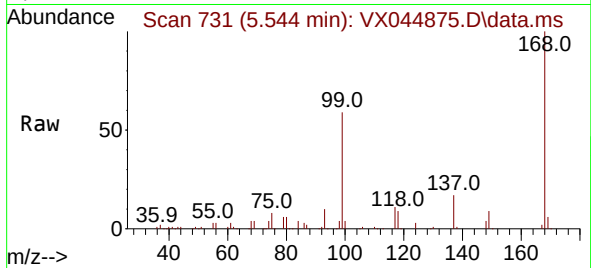




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

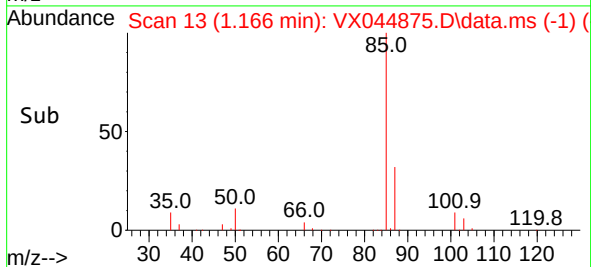
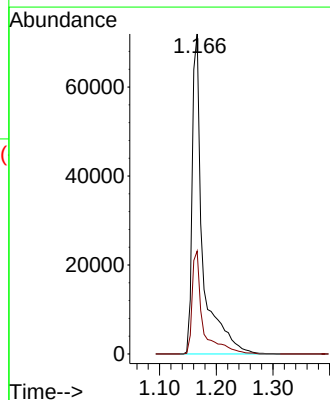
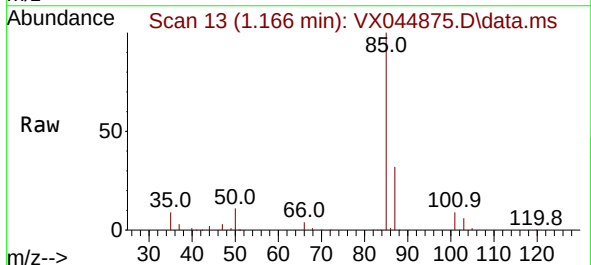
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

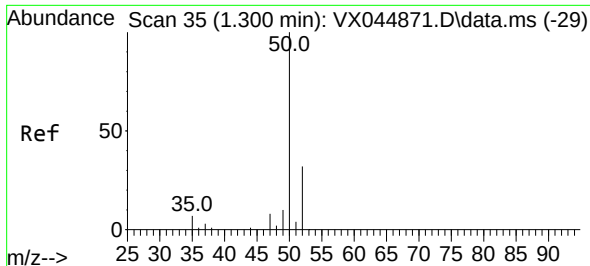
Tgt Ion:168 Resp: 135936
Ion Ratio Lower Upper
168 100
99 59.3 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 49.173 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 85 Resp: 93752
Ion Ratio Lower Upper
85 100
87 32.1 15.8 47.3

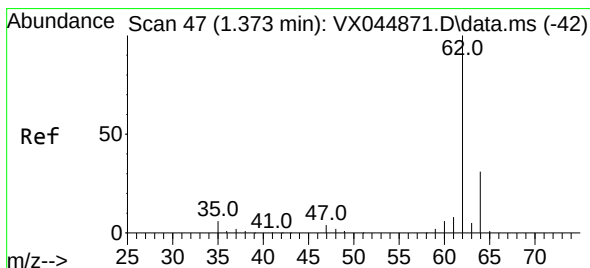
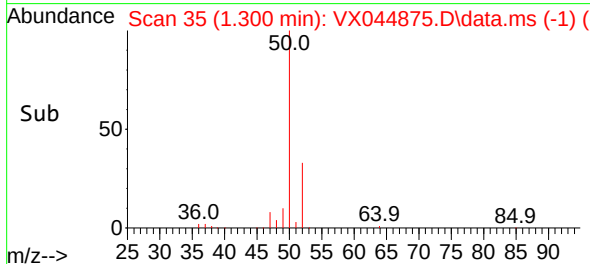
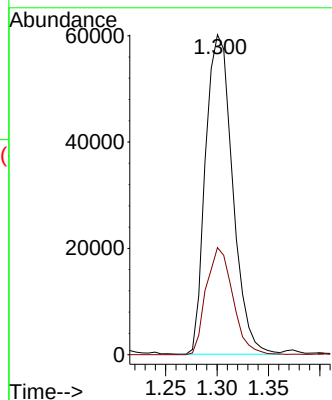
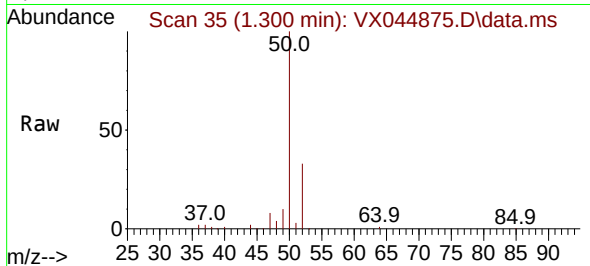




#3
Chloromethane
Concen: 47.590 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

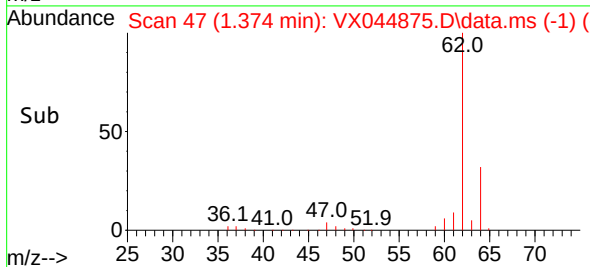
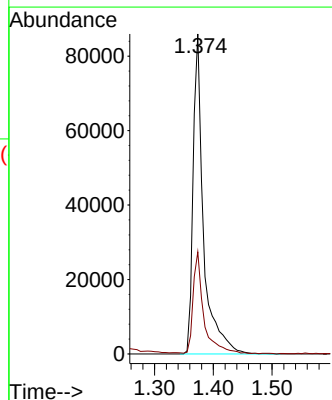
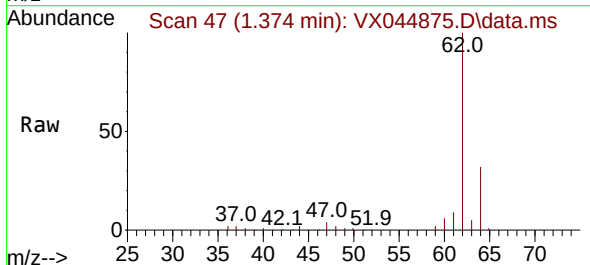
Instrument :
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ClientSampleId :
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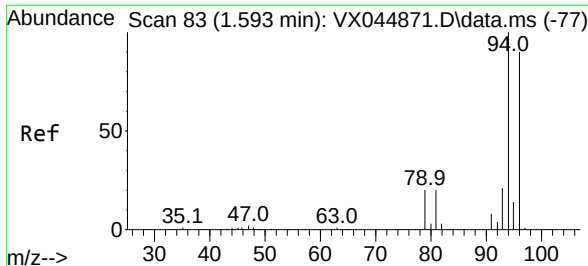
Tgt Ion: 50 Resp: 110431
Ion Ratio Lower Upper
50 100
52 33.5 25.9 38.9



#4
Vinyl Chloride
Concen: 47.033 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 62 Resp: 105730
Ion Ratio Lower Upper
62 100
64 31.7 25.4 38.0

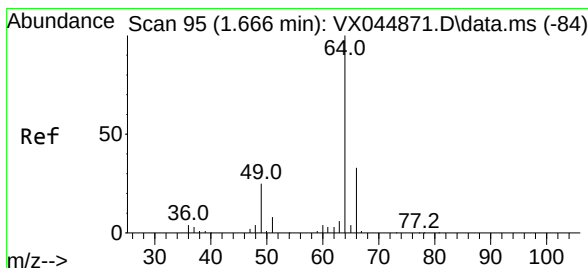
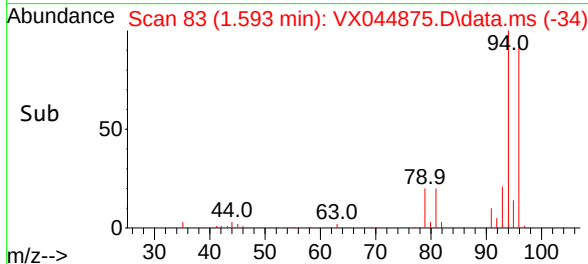
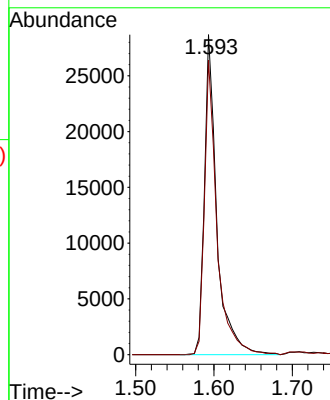
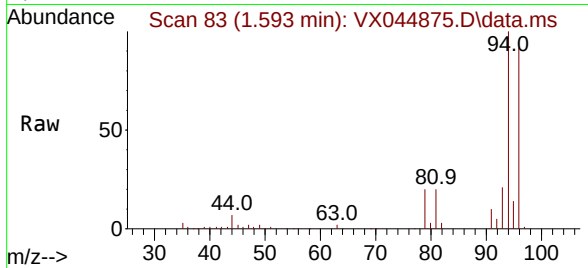




#5
Bromomethane
Concen: 46.719 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

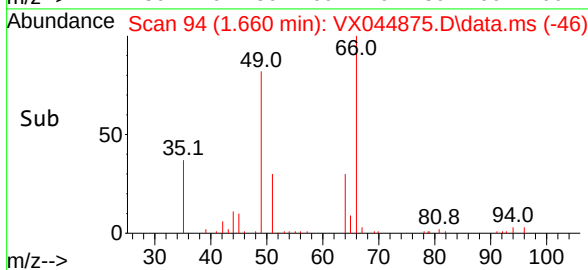
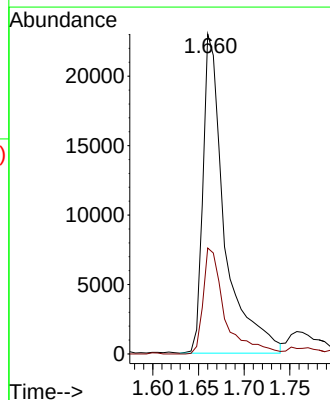
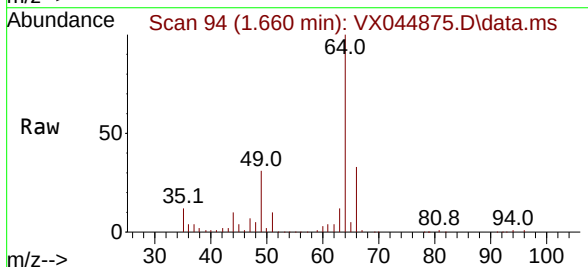
Instrument :
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ClientSampleId :
ICVVX021025

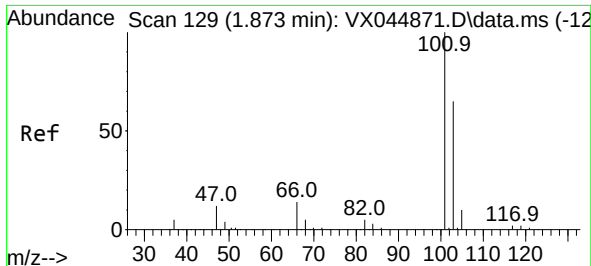
Tgt Ion: 94 Resp: 31428
Ion Ratio Lower Upper
94 100
96 92.0 71.6 107.4



#6
Chloroethane
Concen: 42.198 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 64 Resp: 37913
Ion Ratio Lower Upper
64 100
66 33.2 25.9 38.9

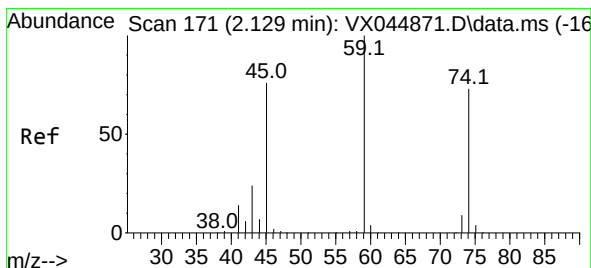
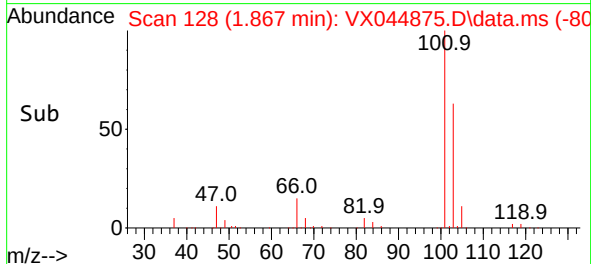
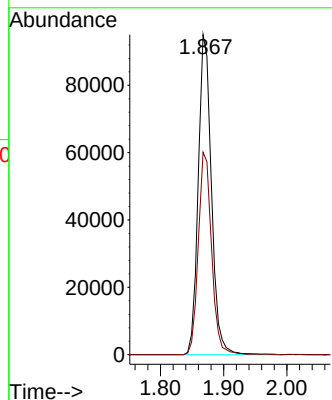
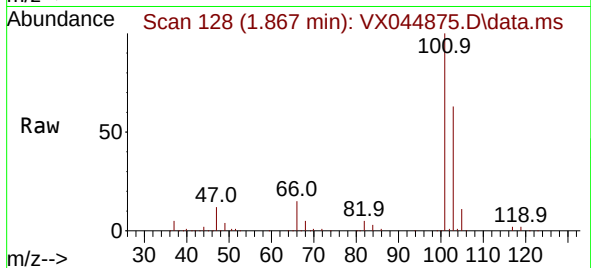




#7
 Trichlorofluoromethane
 Concen: 48.558 ug/l
 RT: 1.867 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

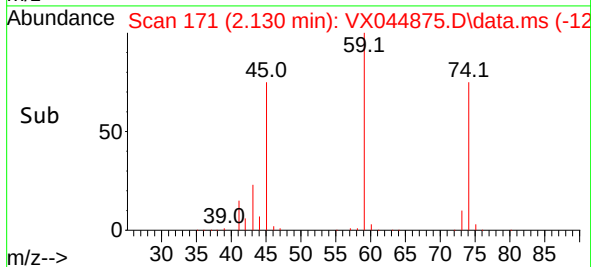
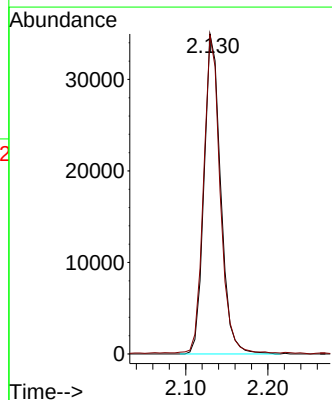
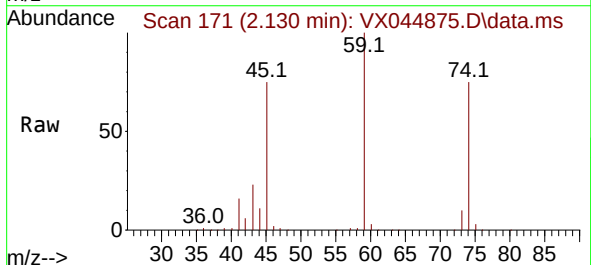
Instrument :
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 ClientSampleId :
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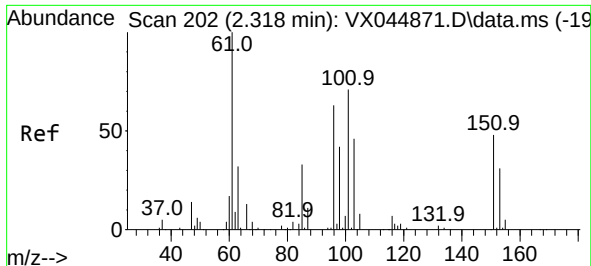
Tgt Ion:101 Resp: 138044
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.4 78.6



#8
 Diethyl Ether
 Concen: 47.544 ug/l
 RT: 2.130 min Scan# 171
 Delta R.T. 0.001 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

Tgt Ion: 74 Resp: 49018
 Ion Ratio Lower Upper
 74 100
 45 98.9 51.1 153.4

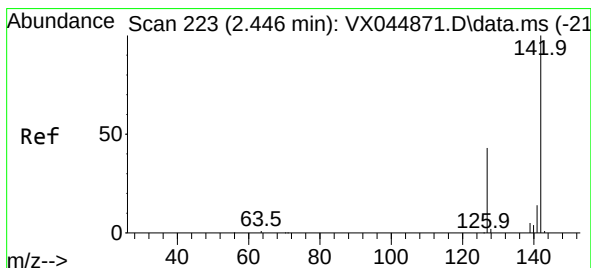
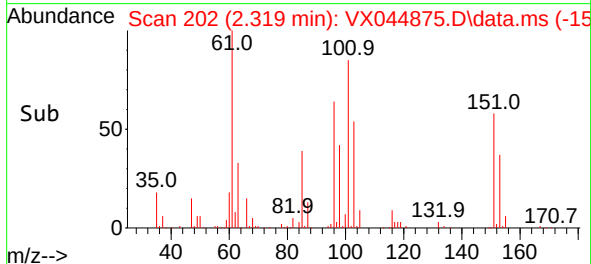
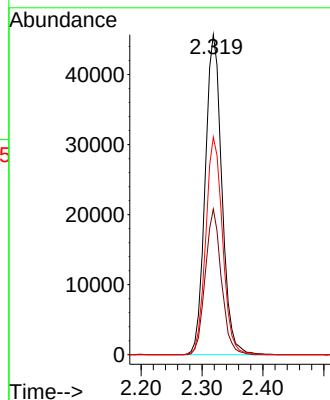
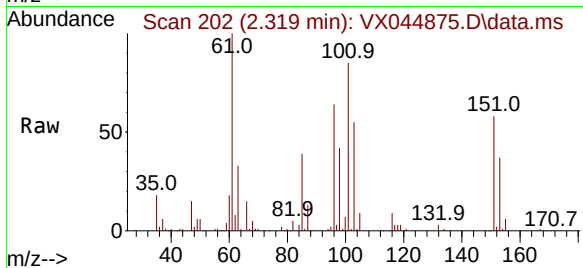




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.588 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

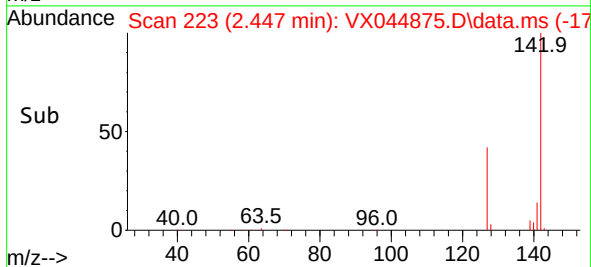
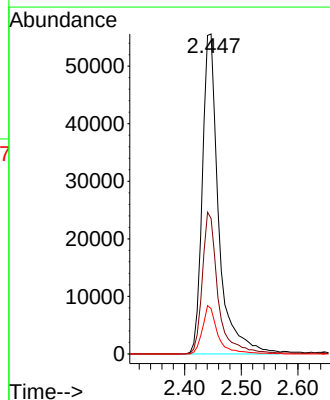
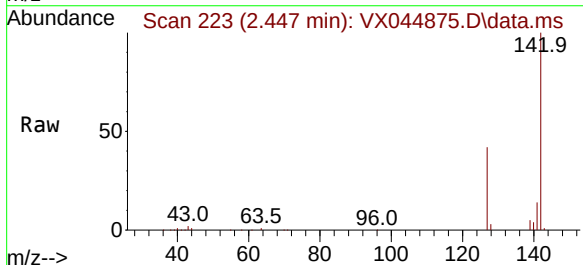
Instrument :
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ClientSampleId :
ICVVX021025

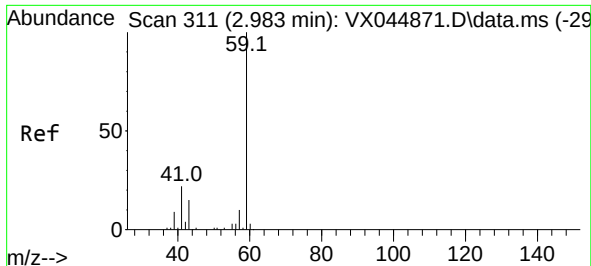
Tgt Ion:101 Resp: 86892
Ion Ratio Lower Upper
101 100
85 43.9 35.7 53.5
151 68.4 56.0 84.0



#10
Methyl Iodide
Concen: 50.082 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:142 Resp: 111488
Ion Ratio Lower Upper
142 100
127 43.1 34.3 51.5
141 14.3 11.4 17.2

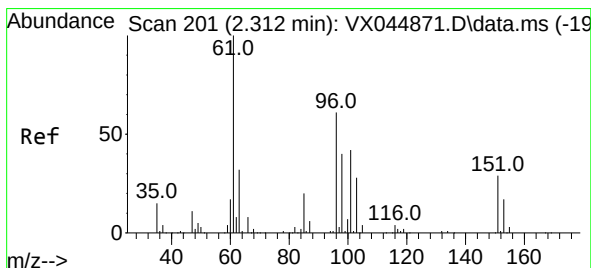
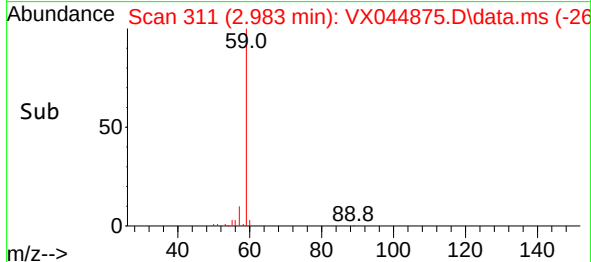
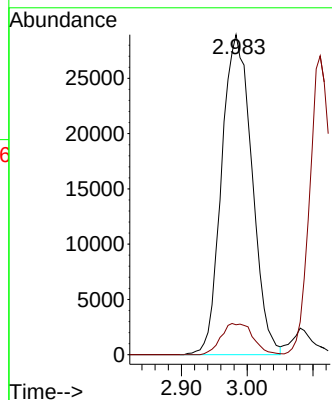
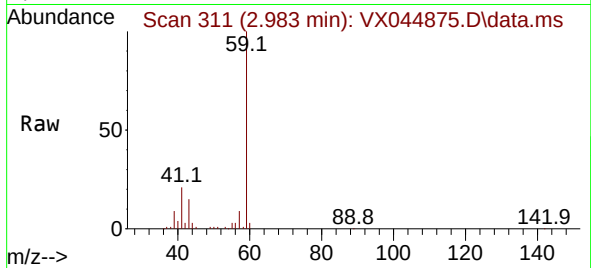




#11
Tert butyl alcohol
Concen: 251.791 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

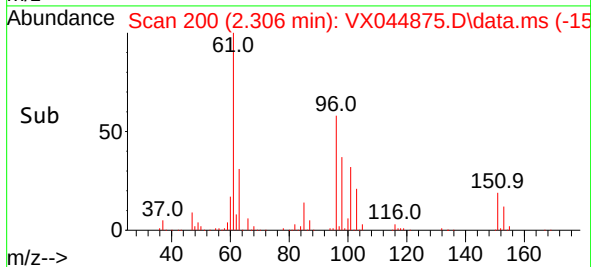
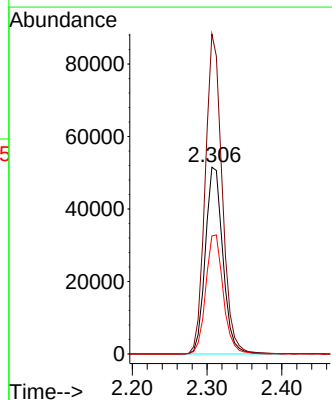
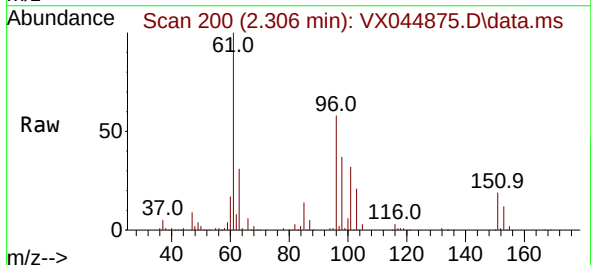
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

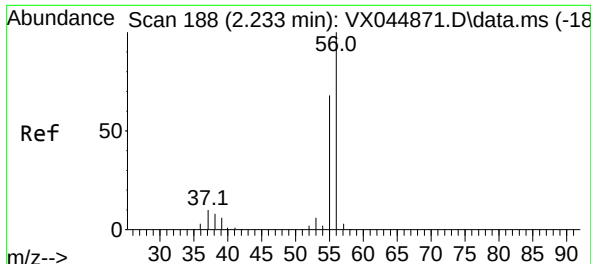
Tgt Ion: 59 Resp: 92949
Ion Ratio Lower Upper
59 100
57 10.3 8.1 12.1



#12
1,1-Dichloroethene
Concen: 47.935 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 96 Resp: 83987
Ion Ratio Lower Upper
96 100
61 171.4 130.2 195.4
98 63.3 52.2 78.4

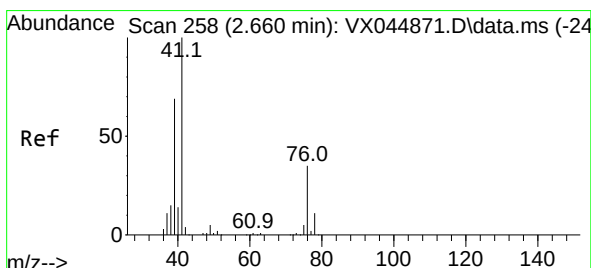
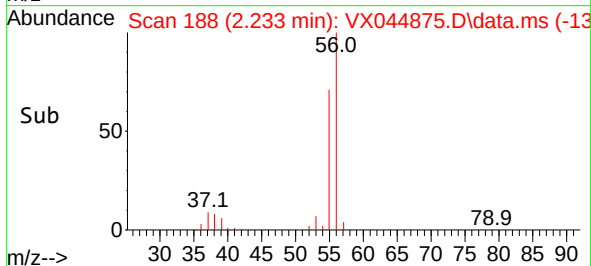
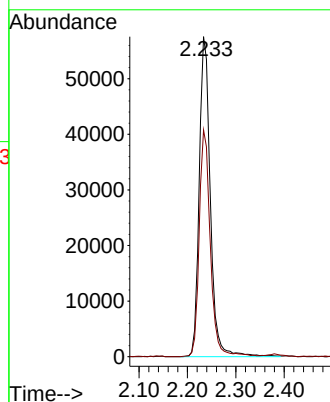
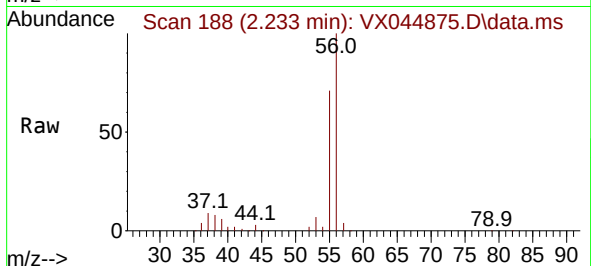




#13
Acrolein
Concen: 240.879 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

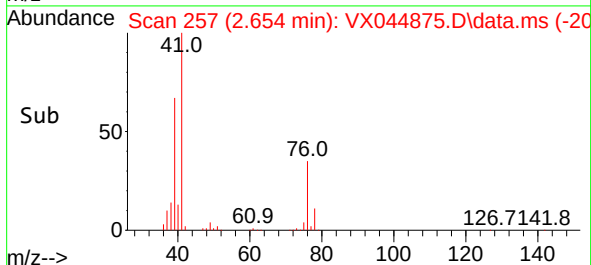
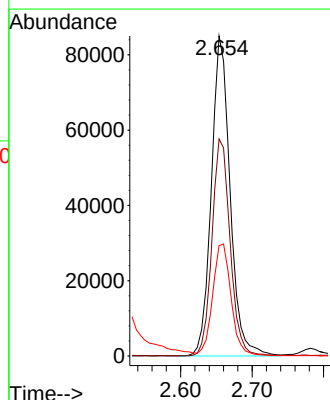
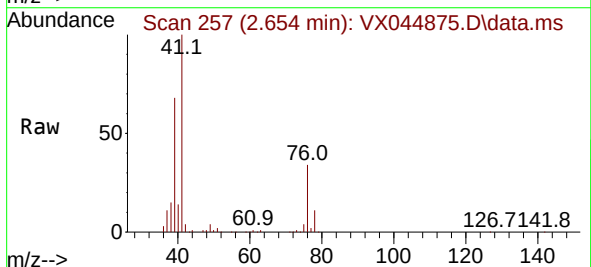
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

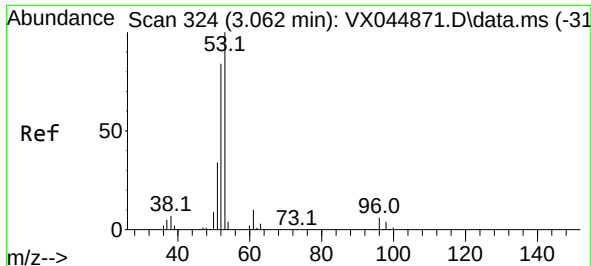
Tgt Ion: 56 Resp: 91744
Ion Ratio Lower Upper
56 100
55 71.0 55.7 83.5



#14
Allyl chloride
Concen: 48.976 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 41 Resp: 155084
Ion Ratio Lower Upper
41 100
39 65.4 51.4 77.2
76 34.2 27.0 40.4

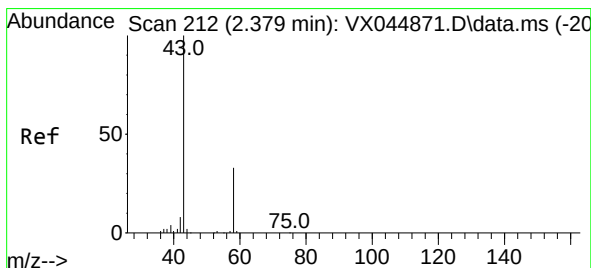
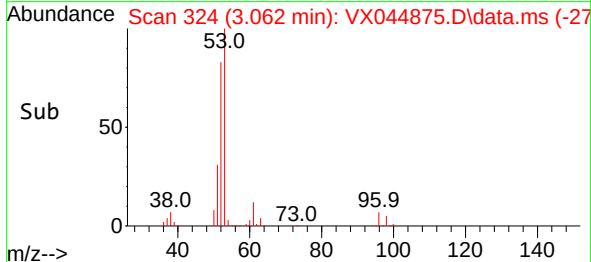
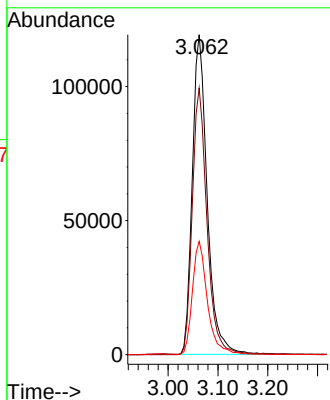
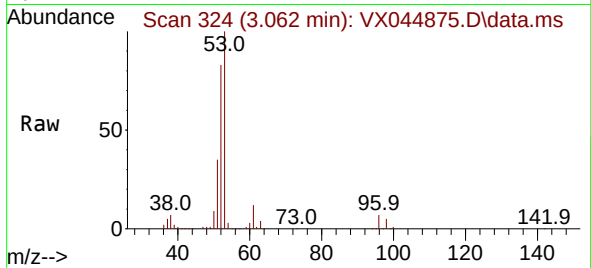




#15
Acrylonitrile
Concen: 251.537 ug/l
RT: 3.062 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

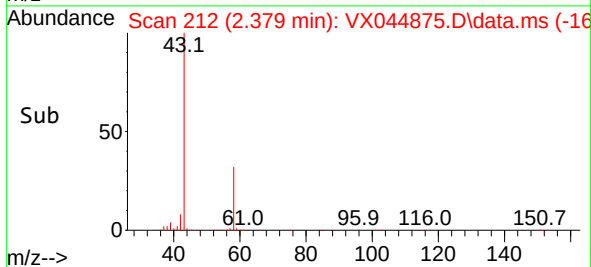
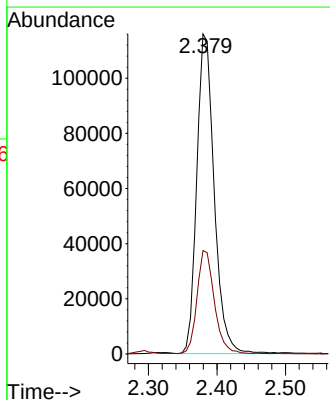
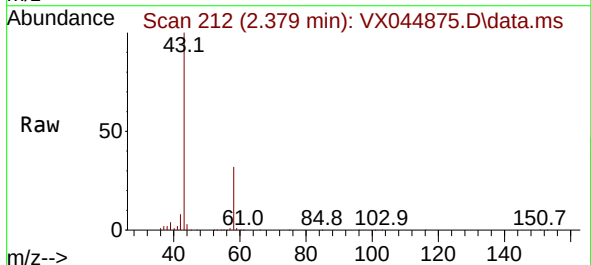
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

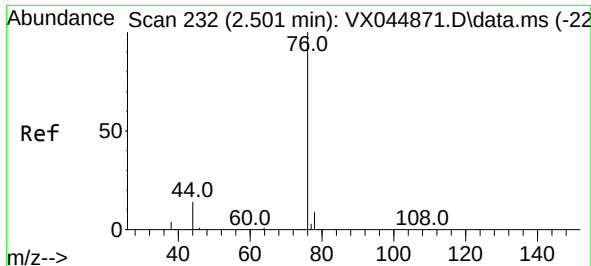
Tgt Ion:	53	Resp:	247921
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.0	97.6
51	35.7	28.0	42.0



#16
Acetone
Concen: 257.198 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:	43	Resp:	205743
Ion	Ratio	Lower	Upper
43	100		
58	32.2	26.5	39.7

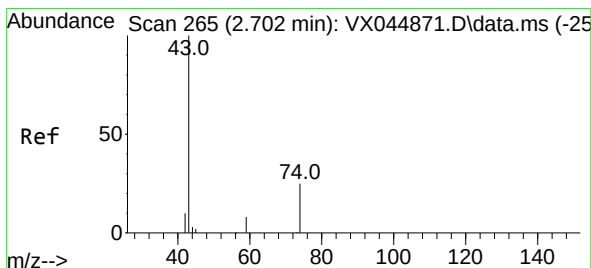
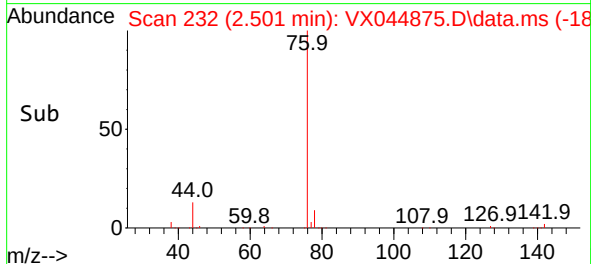
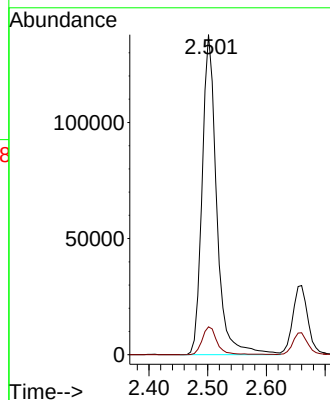
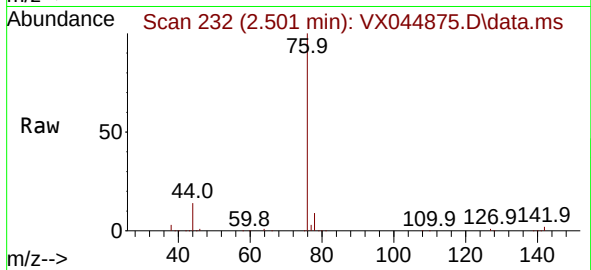




#17
Carbon Disulfide
Concen: 49.472 ug/l
RT: 2.501 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

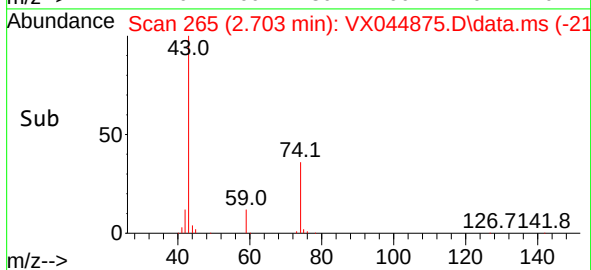
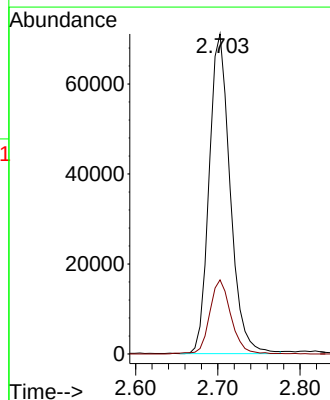
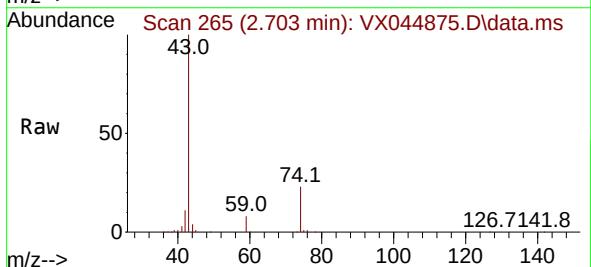
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

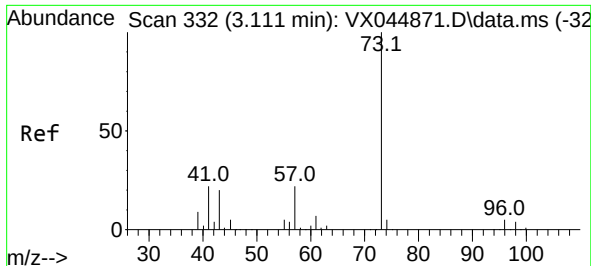
Tgt Ion: 76 Resp: 237694
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4



#18
Methyl Acetate
Concen: 49.920 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 126015
Ion Ratio Lower Upper
43 100
74 23.7 18.9 28.3

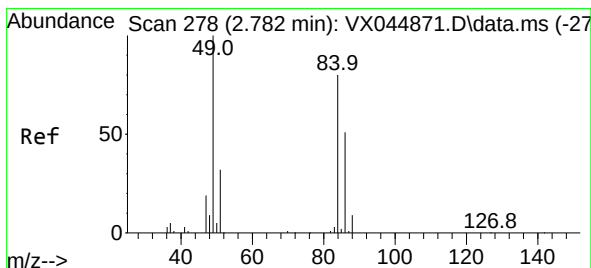
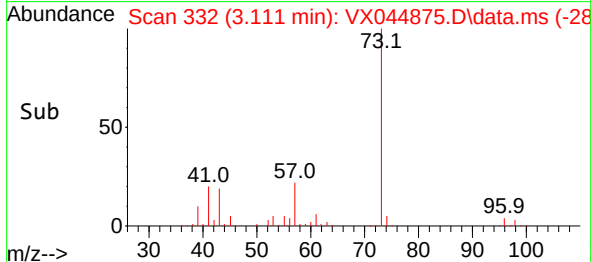
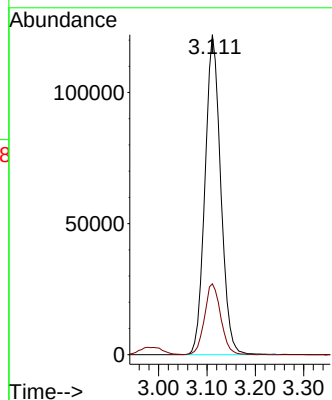
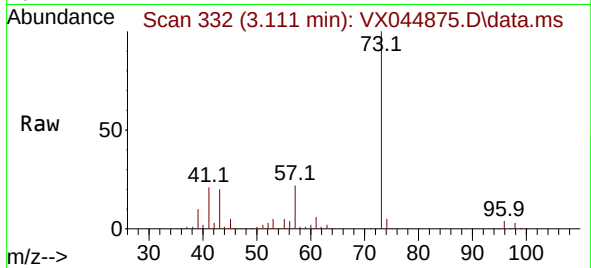




#19
Methyl tert-butyl Ether
Concen: 49.453 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

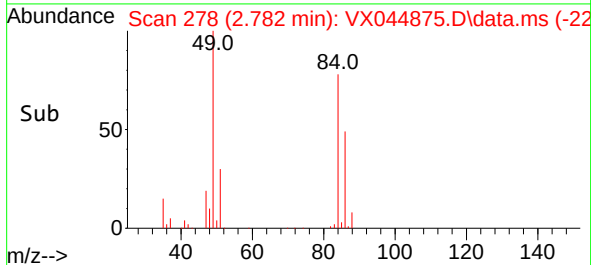
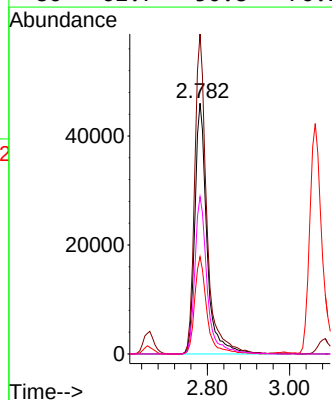
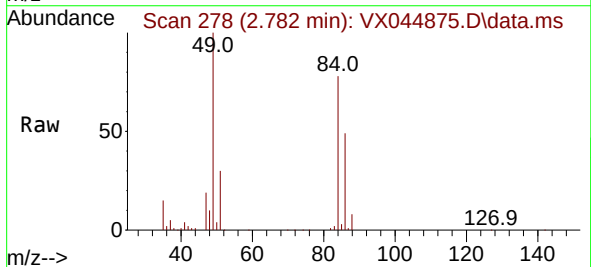
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

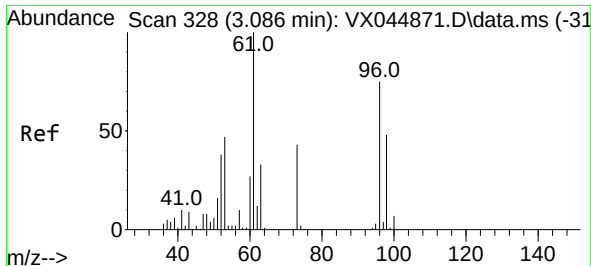
Tgt Ion: 73 Resp: 275685
Ion Ratio Lower Upper
73 100
57 22.2 17.9 26.9



#20
Methylene Chloride
Concen: 47.978 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 84 Resp: 94006
Ion Ratio Lower Upper
84 100
49 127.6 100.1 150.1
51 38.8 31.7 47.5
86 62.7 50.8 76.2

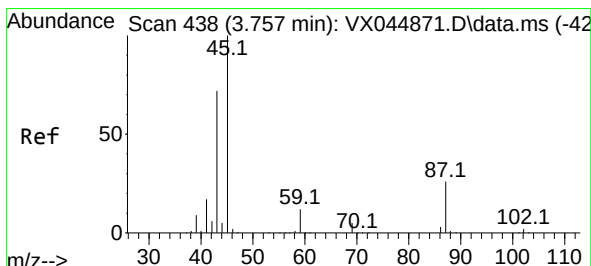
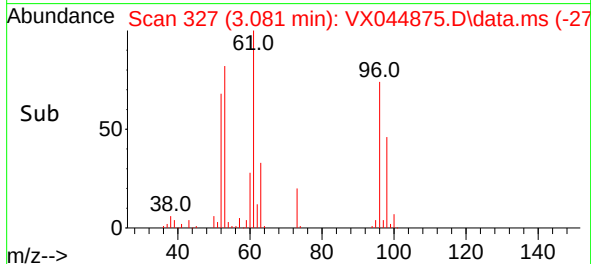
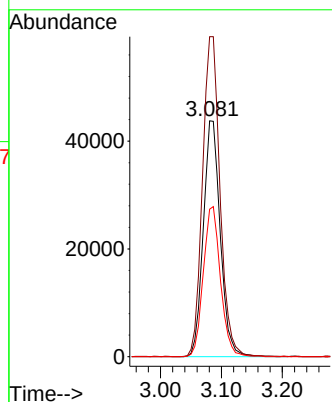
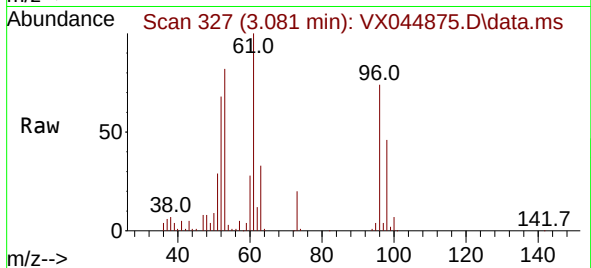




#21
trans-1,2-Dichloroethene
Concen: 49.129 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

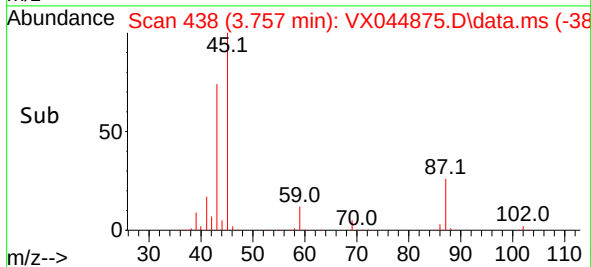
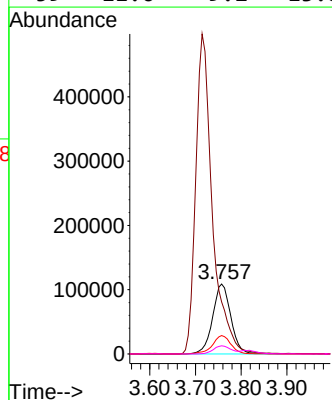
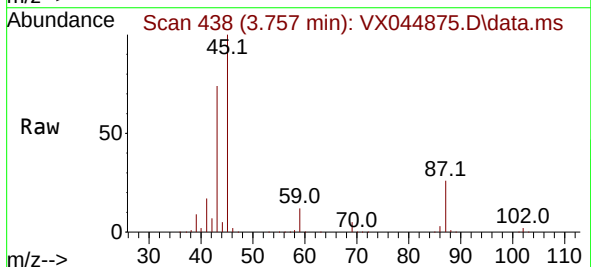
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

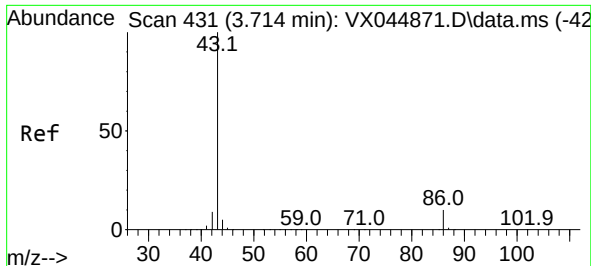
Tgt Ion: 96 Resp: 84720
Ion Ratio Lower Upper
96 100
61 135.7 106.0 159.0
98 62.5 50.6 76.0



#22
Diisopropyl ether
Concen: 50.138 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 45 Resp: 300357
Ion Ratio Lower Upper
45 100
43 74.3 58.0 87.0
87 26.4 20.7 31.1
59 11.6 9.2 13.8

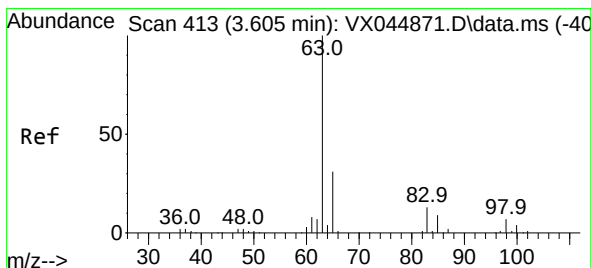
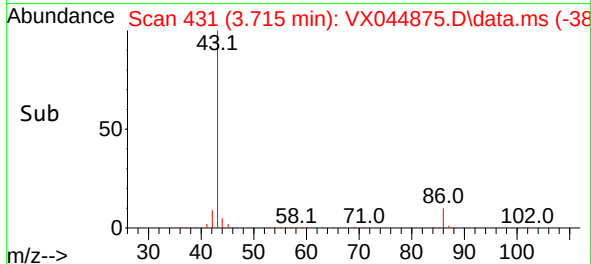
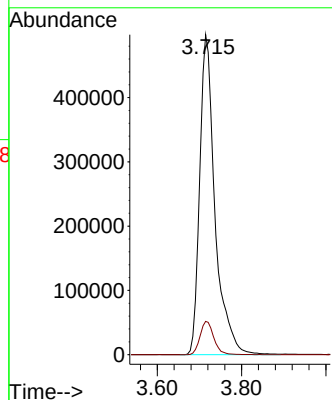
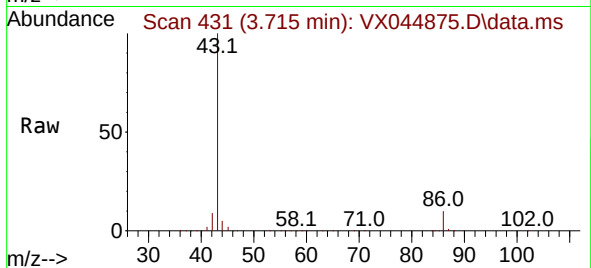




#23
 Vinyl Acetate
 Concen: 257.465 ug/l
 RT: 3.715 min Scan# 411
 Delta R.T. 0.000 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

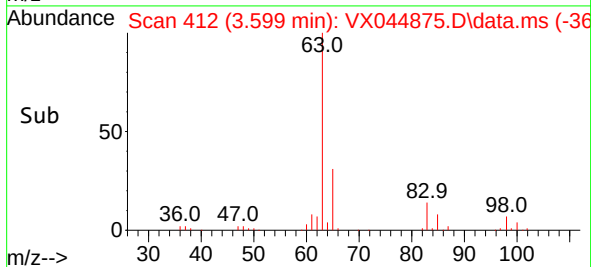
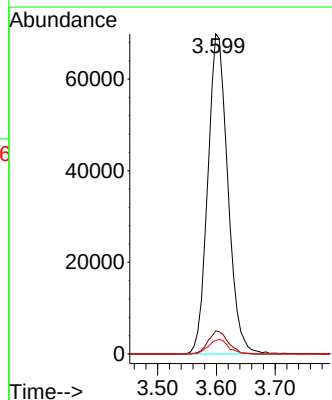
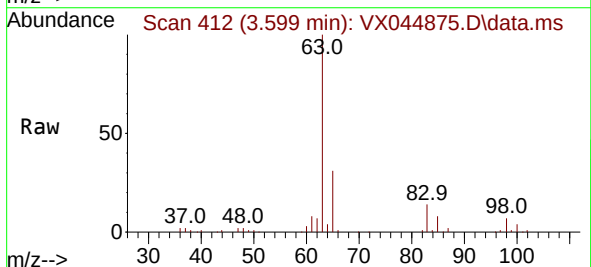
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021025

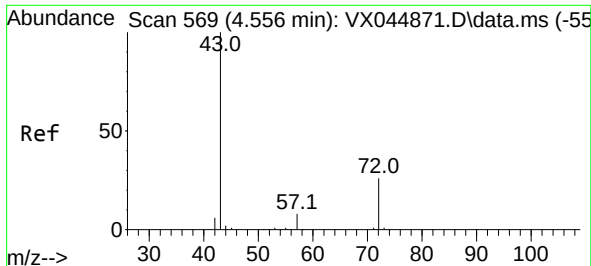
Tgt Ion: 43 Resp: 1257431
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 49.329 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. -0.006 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

Tgt Ion: 63 Resp: 165351
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.3 9.9
 100 4.2 2.1 6.5

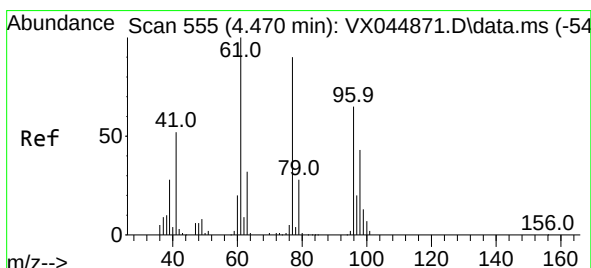
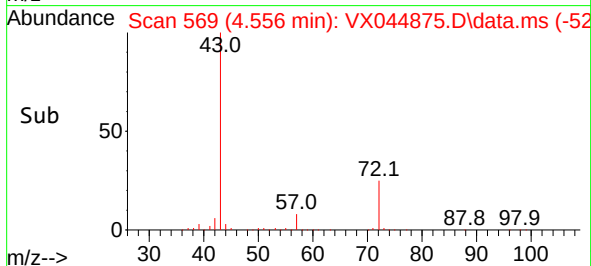
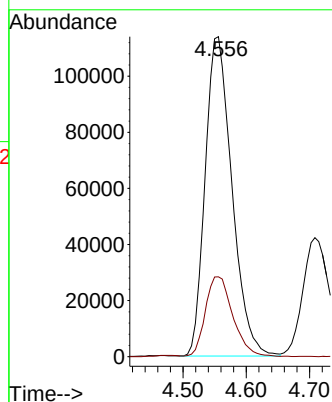
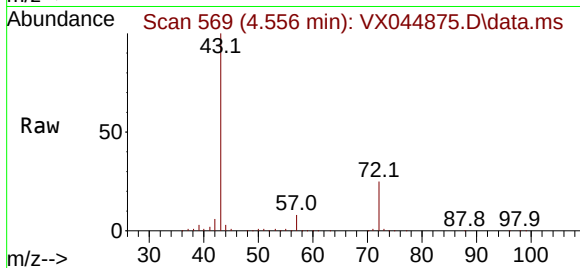




#25
2-Butanone
Concen: 258.175 ug/l
RT: 4.556 min Scan# 509
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

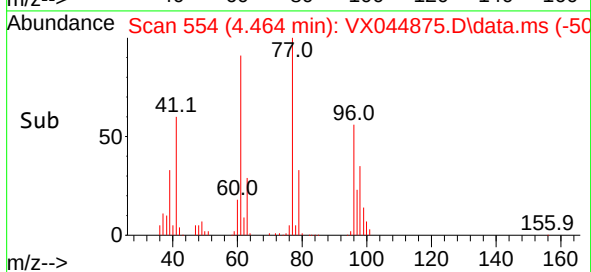
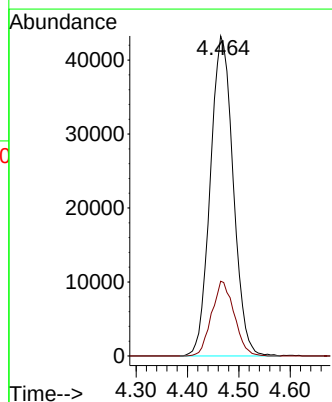
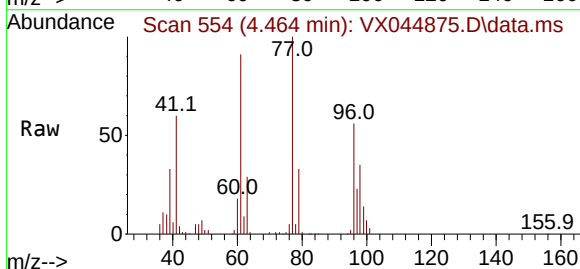
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

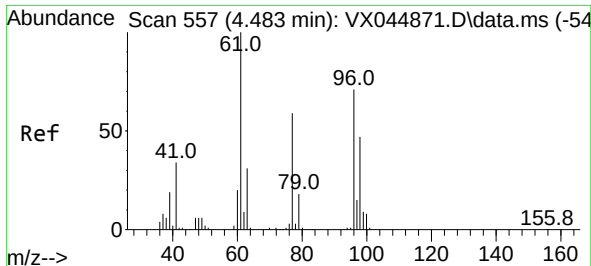
Tgt Ion: 43 Resp: 335358
Ion Ratio Lower Upper
43 100
72 24.9 21.2 31.8



#26
2,2-Dichloropropane
Concen: 50.285 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 77 Resp: 133670
Ion Ratio Lower Upper
77 100
97 23.0 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 49.493 ug/l

RT: 4.477 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021025

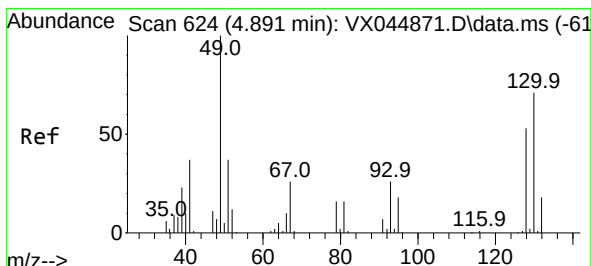
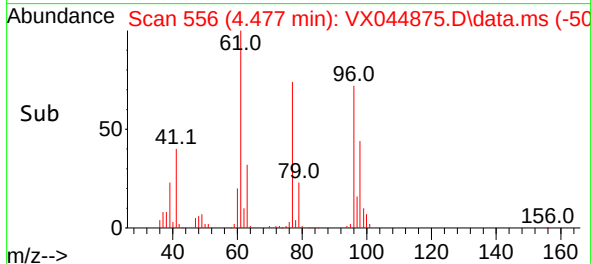
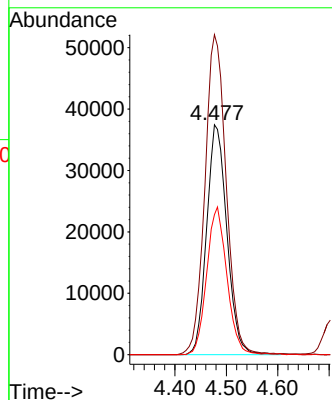
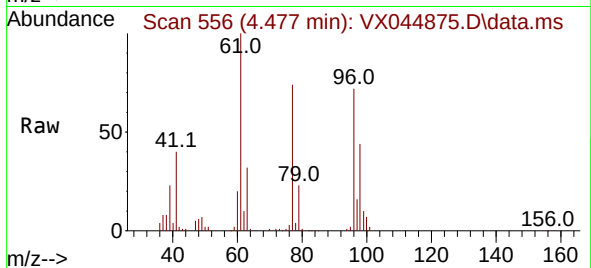
Tgt Ion: 96 Resp: 102518

Ion Ratio Lower Upper

96 100

61 146.5 0.0 294.0

98 63.9 0.0 131.2



#28

Bromochloromethane

Concen: 45.250 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

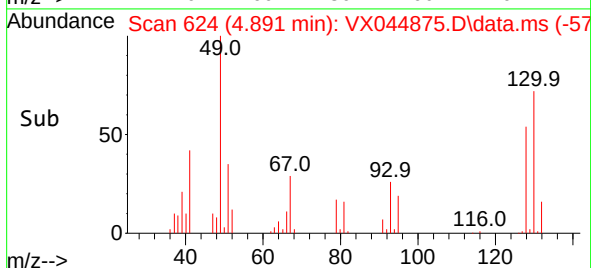
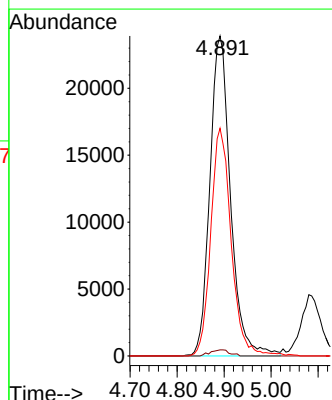
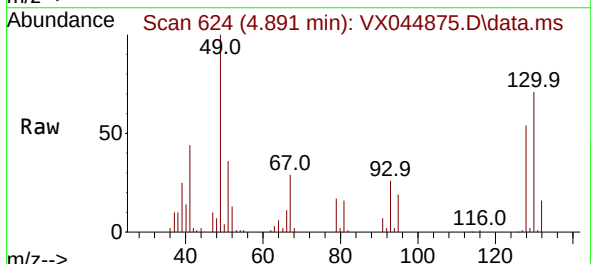
Tgt Ion: 49 Resp: 72893

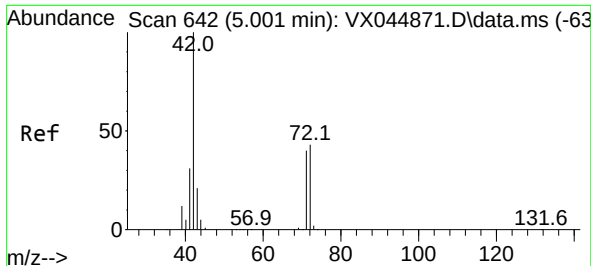
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 70.3 56.7 85.1





#29

Tetrahydrofuran

Concen: 253.318 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021025

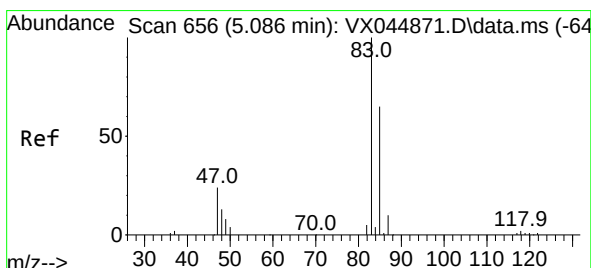
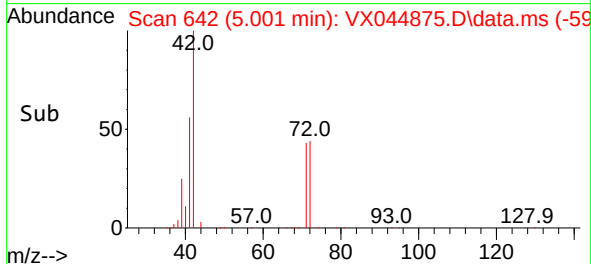
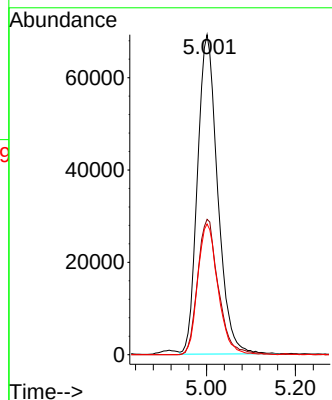
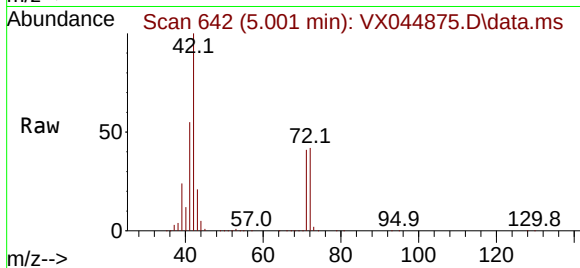
Tgt Ion: 42 Resp: 218496

Ion Ratio Lower Upper

42 100

72 43.6 35.0 52.4

71 41.1 32.6 48.8



#30

Chloroform

Concen: 48.393 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX044875.D

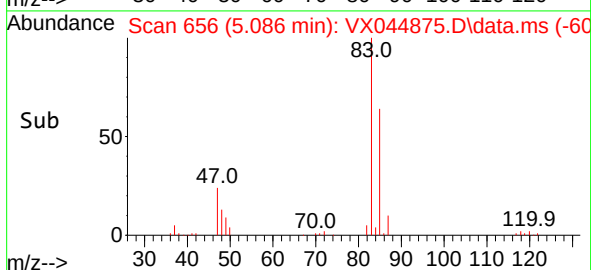
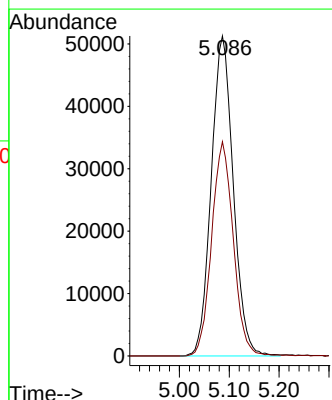
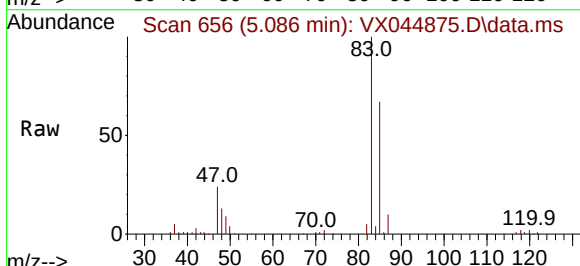
Acq: 10 Feb 2025 13:15

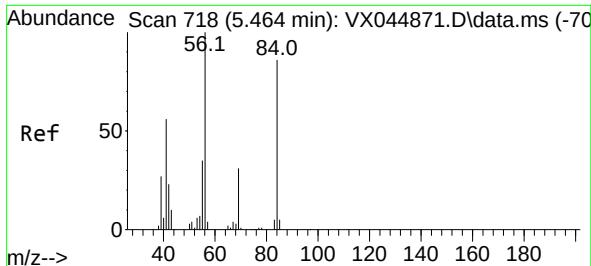
Tgt Ion: 83 Resp: 157312

Ion Ratio Lower Upper

83 100

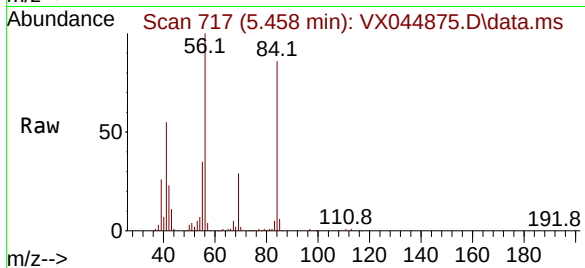
85 66.9 52.1 78.1





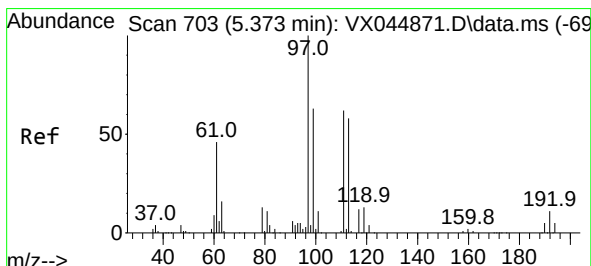
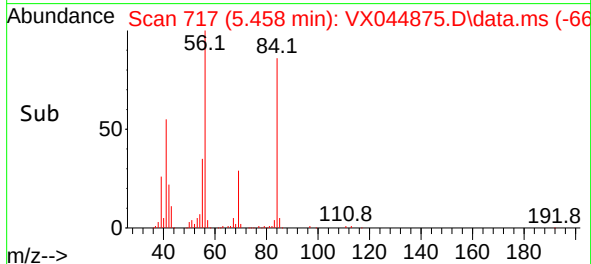
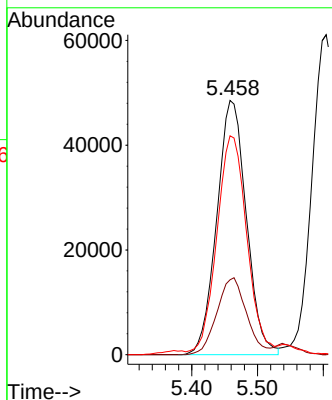
#31
Cyclohexane
Concen: 49.211 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025



Tgt Ion: 56 Resp: 152073

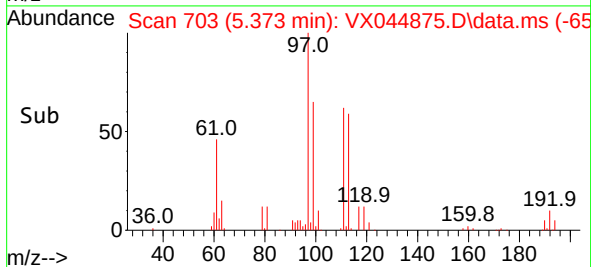
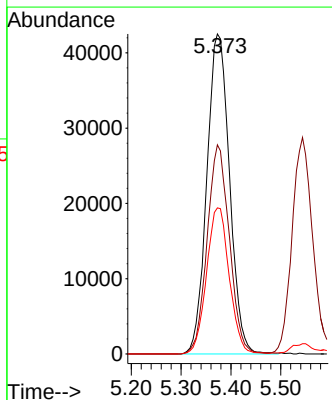
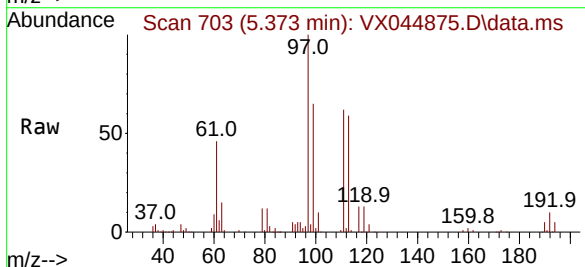
Ion	Ratio	Lower	Upper
56	100		
69	29.4	24.4	36.6
84	84.6	69.0	103.6

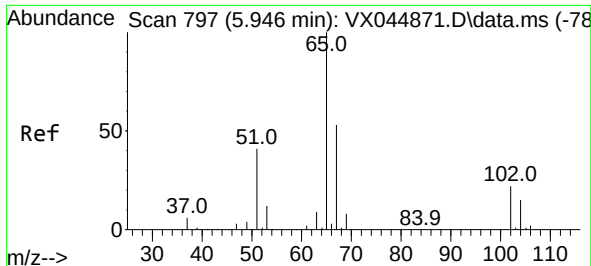


#32
1,1,1-Trichloroethane
Concen: 48.825 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 97 Resp: 134626

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	45.7	36.6	55.0





#33

1,2-Dichloroethane-d4

Concen: 48.061 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

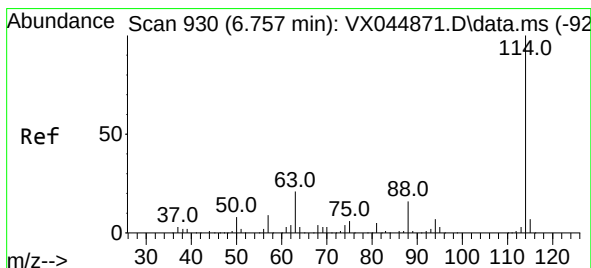
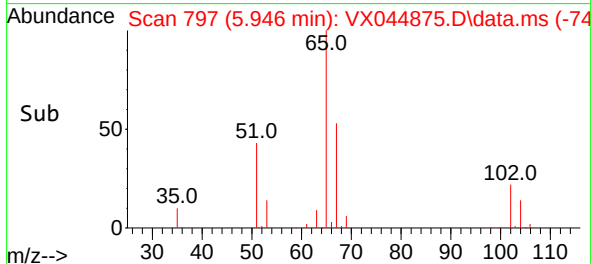
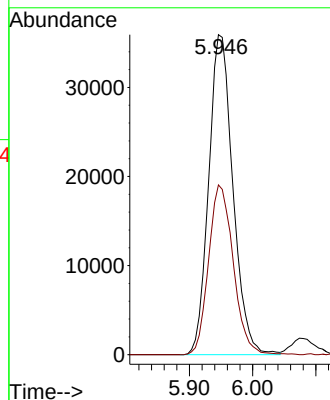
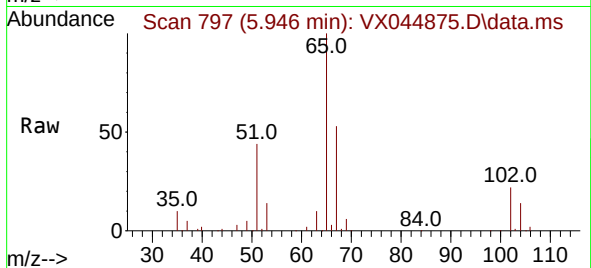
ICVVX021025

Tgt Ion: 65 Resp: 95635

Ion Ratio Lower Upper

65 100

67 54.0 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

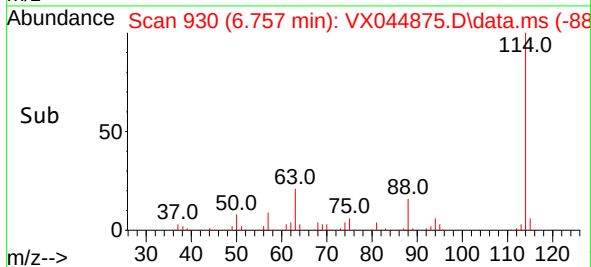
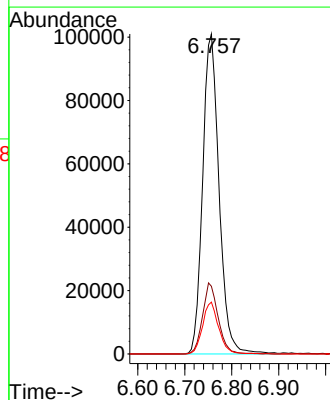
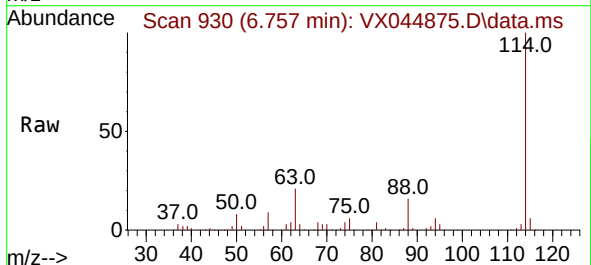
Tgt Ion: 114 Resp: 245098

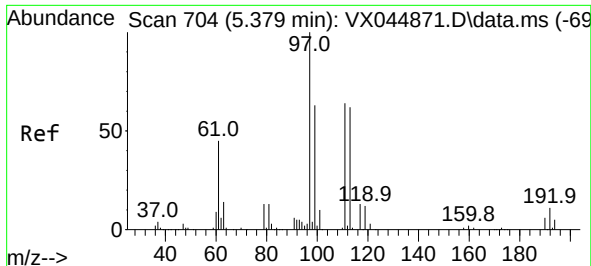
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.4

88 16.2 0.0 31.4

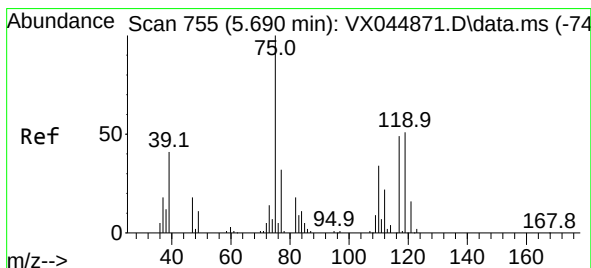
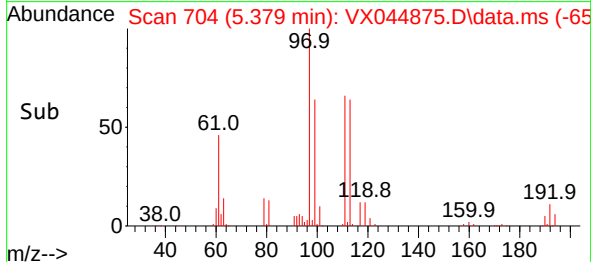
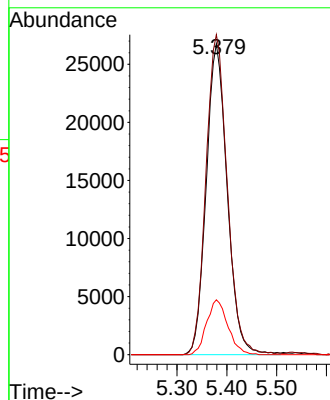
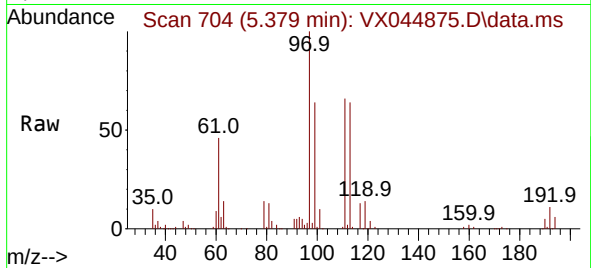




#35
Dibromofluoromethane
Concen: 49.173 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

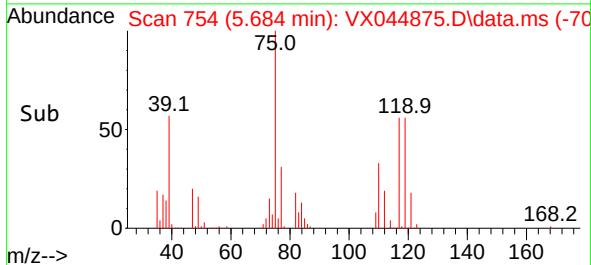
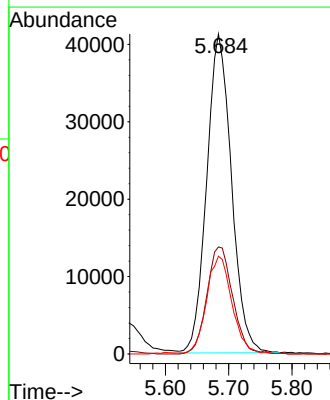
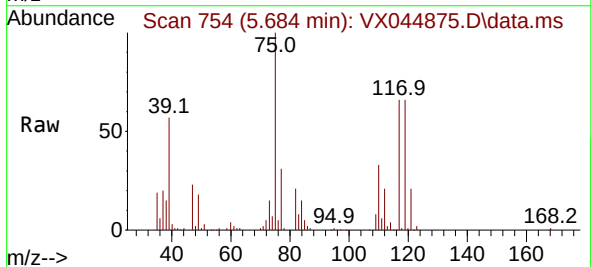
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

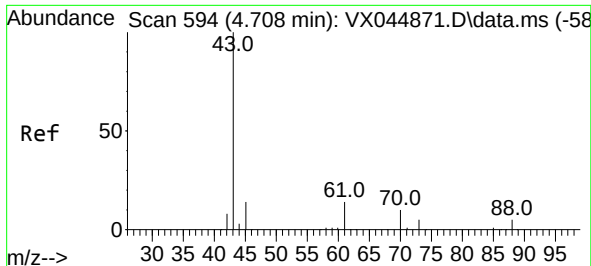
Tgt Ion:113 Resp: 78360
Ion Ratio Lower Upper
113 100
111 104.4 83.5 125.3
192 17.9 14.4 21.6



#36
1,1-Dichloropropene
Concen: 48.702 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 111968
Ion Ratio Lower Upper
75 100
110 35.0 17.2 51.6
77 31.6 24.6 37.0

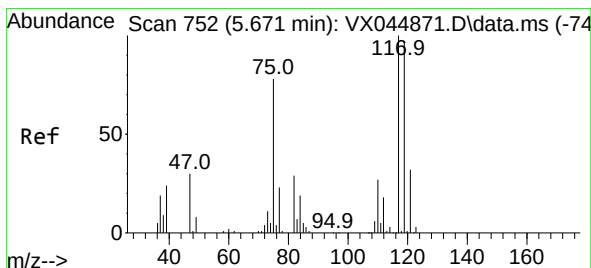
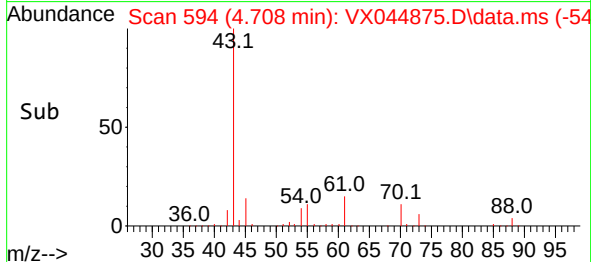
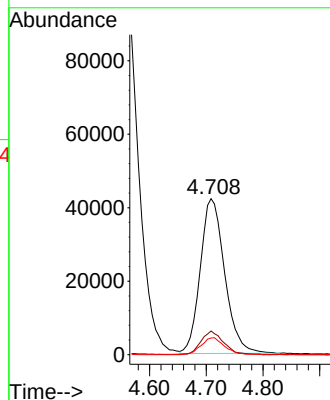
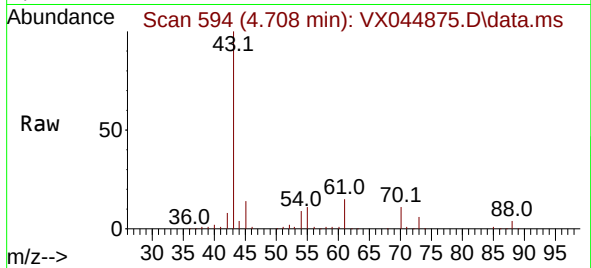




#37
Ethyl Acetate
Concen: 49.300 ug/l
RT: 4.708 min Scan# 594
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

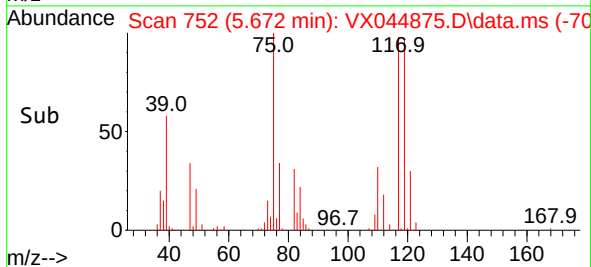
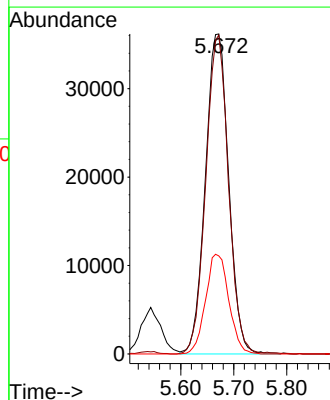
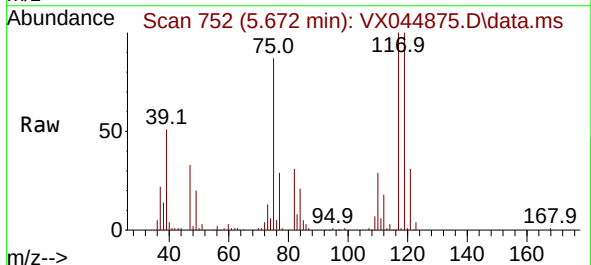
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

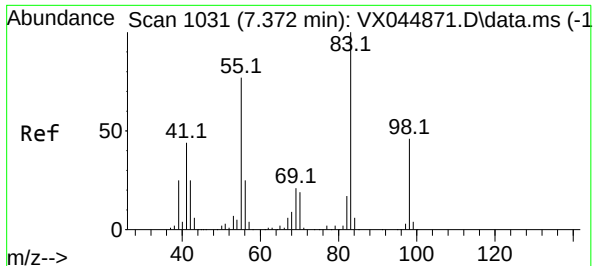
Tgt Ion:	43	Resp:	126071
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.4
70	10.4	8.2	12.2



#38
Carbon Tetrachloride
Concen: 49.083 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:	117	Resp:	110581
Ion	Ratio	Lower	Upper
117	100		
119	99.5	77.5	116.3
121	30.6	25.6	38.4





#39

Methylcyclohexane

Concen: 53.254 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021025

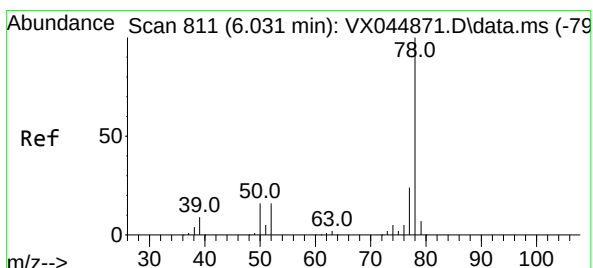
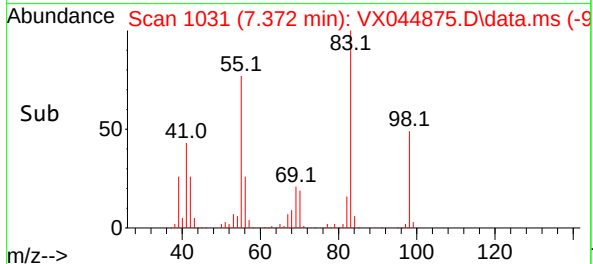
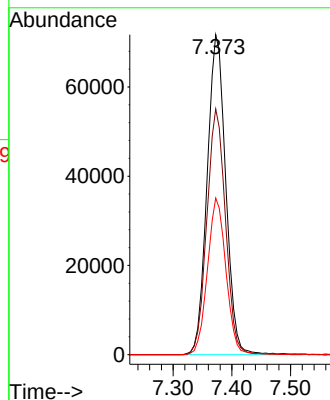
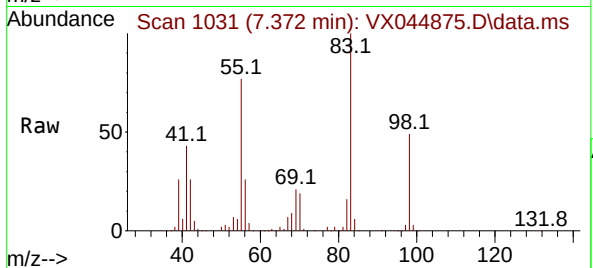
Tgt Ion: 83 Resp: 158289

Ion Ratio Lower Upper

83 100

55 76.8 61.3 91.9

98 49.0 37.0 55.6



#40

Benzene

Concen: 49.919 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX044875.D

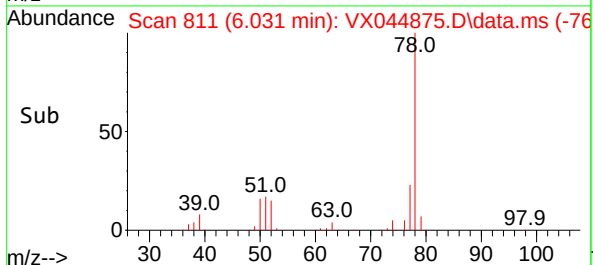
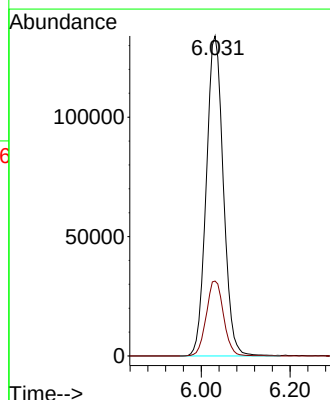
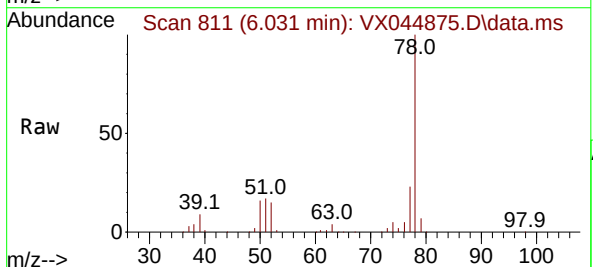
Acq: 10 Feb 2025 13:15

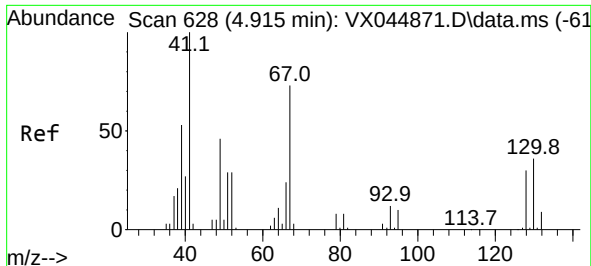
Tgt Ion: 78 Resp: 358365

Ion Ratio Lower Upper

78 100

77 23.4 19.0 28.6



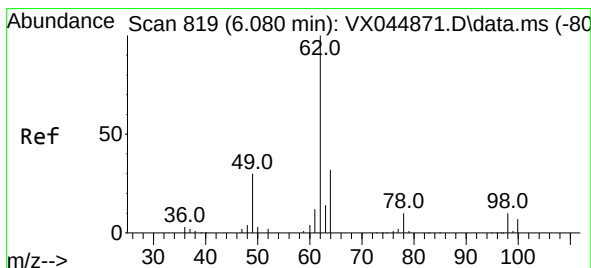
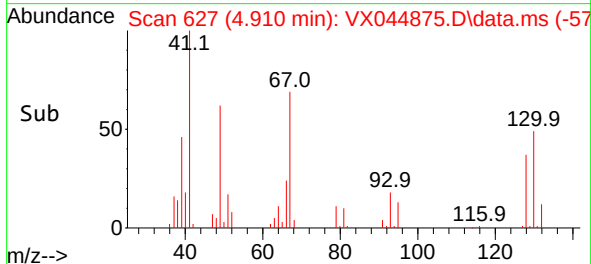
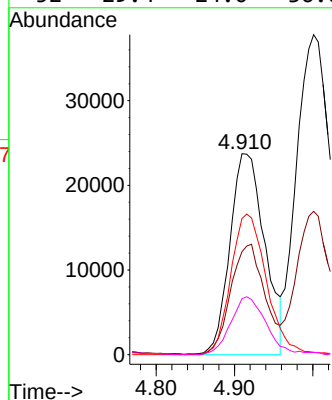
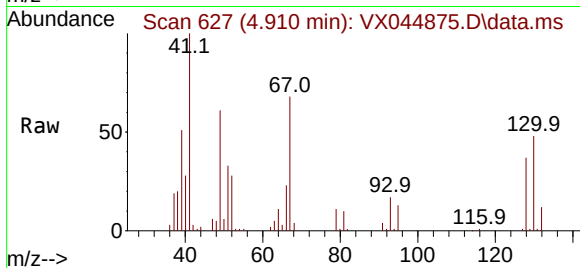


#41
Methacrylonitrile
Concen: 53.741 ug/l
RT: 4.910 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

Tgt Ion: 41 Resp: 73559

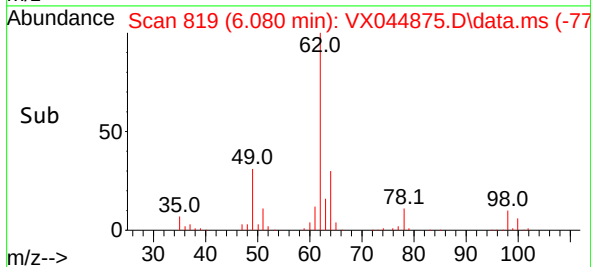
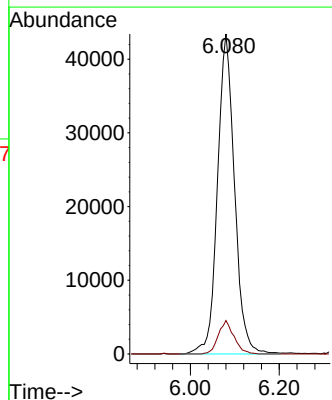
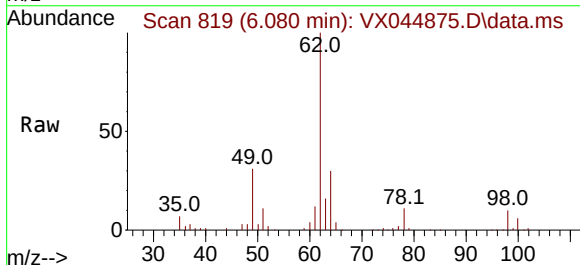
Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.1	64.7
67	71.9	57.0	85.6
52	29.4	24.0	36.0

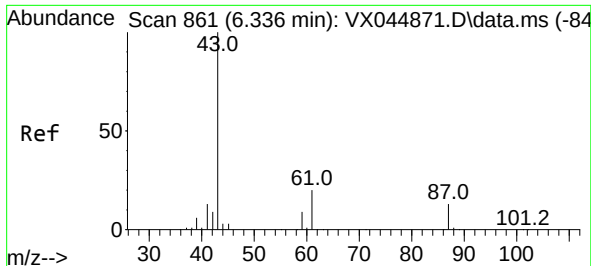


#42
1,2-Dichloroethane
Concen: 50.410 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 62 Resp: 115339

Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4

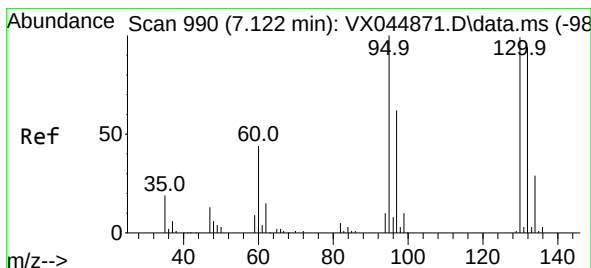
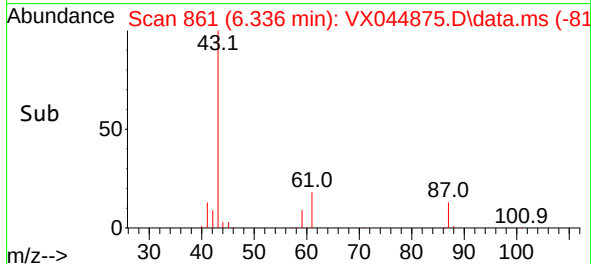
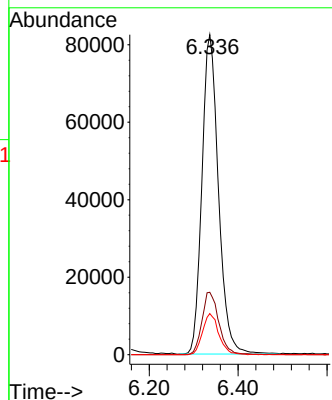
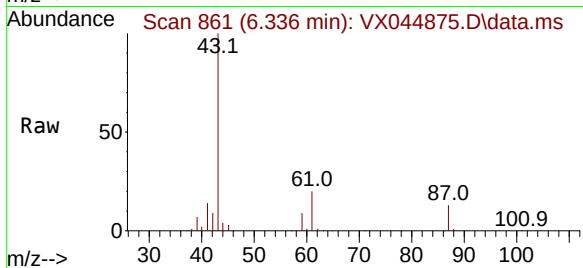




#43
Isopropyl Acetate
Concen: 51.798 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

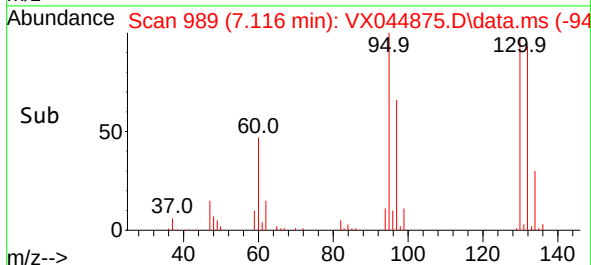
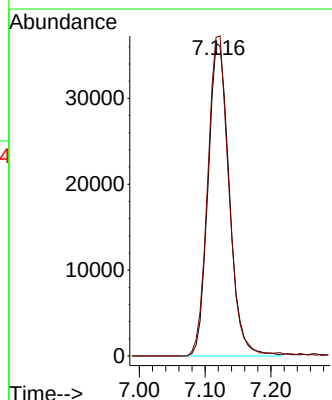
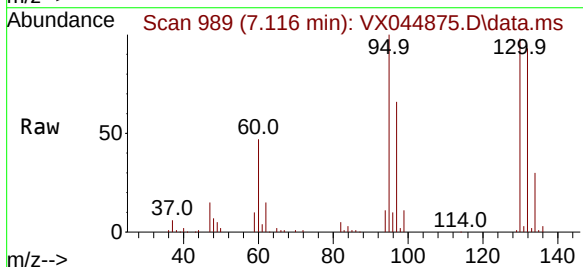
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

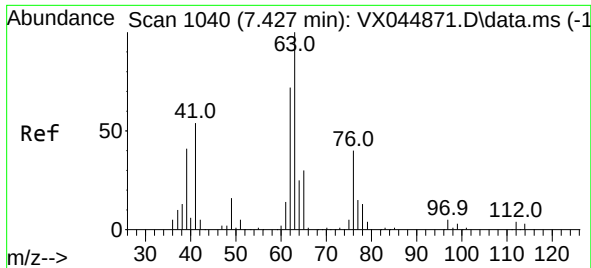
Tgt Ion: 43 Resp: 213901
Ion Ratio Lower Upper
43 100
61 19.9 15.8 23.8
87 12.6 10.0 15.0



#44
Trichloroethene
Concen: 49.917 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 130 Resp: 81911
Ion Ratio Lower Upper
130 100
95 102.0 0.0 202.4

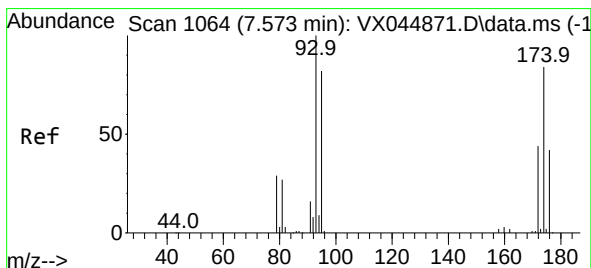
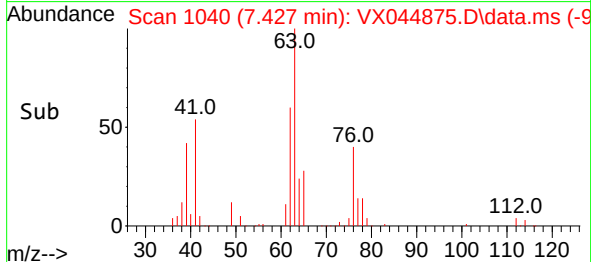
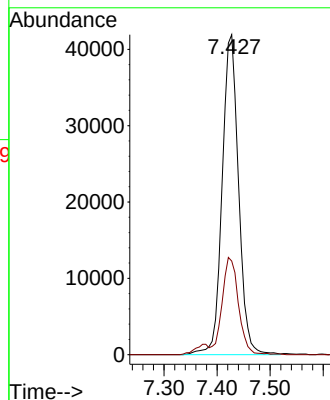
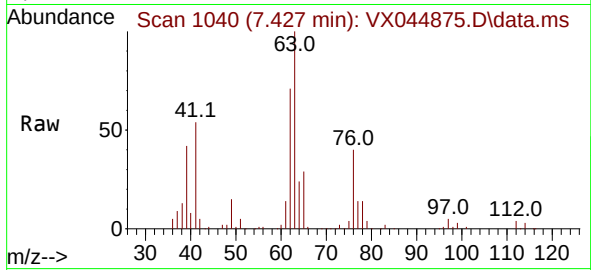




#45
1,2-Dichloropropane
Concen: 50.387 ug/l
RT: 7.427 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

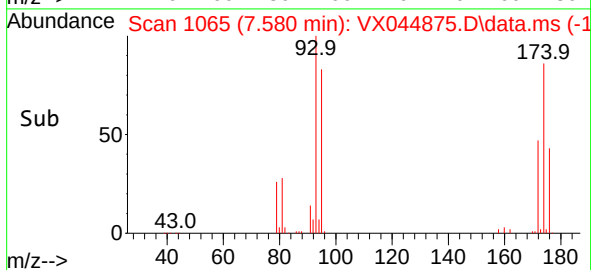
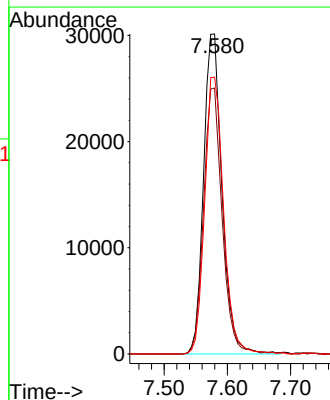
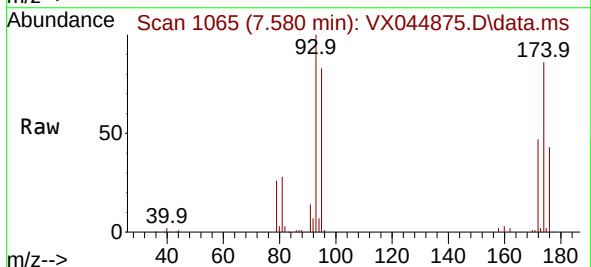
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

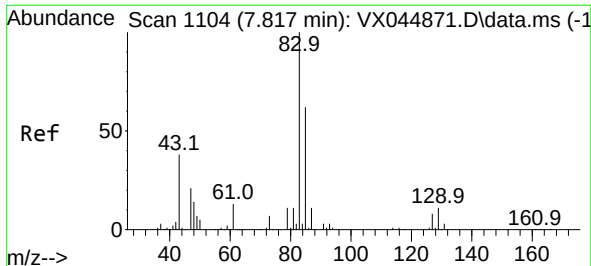
Tgt Ion: 63 Resp: 89992
Ion Ratio Lower Upper
63 100
65 29.3 24.2 36.4



#46
Dibromomethane
Concen: 49.540 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 93 Resp: 61360
Ion Ratio Lower Upper
93 100
95 83.2 66.2 99.4
174 88.6 69.9 104.9

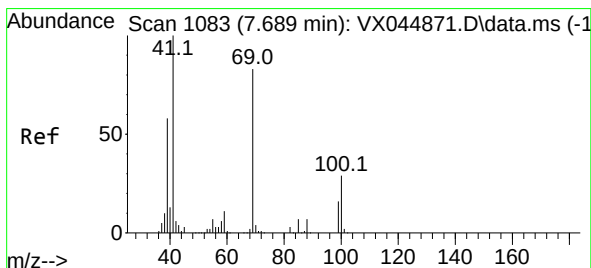
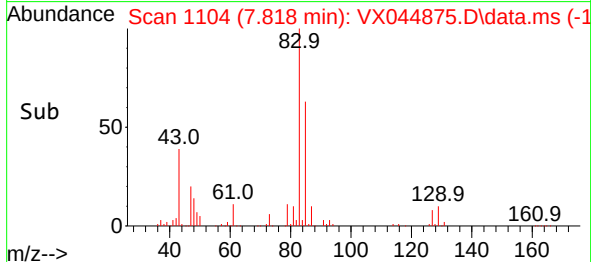
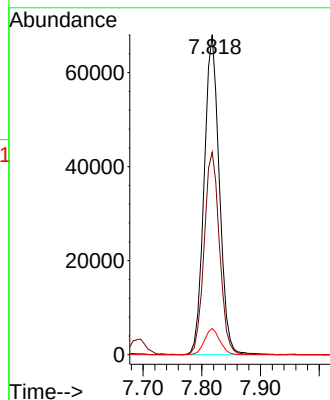
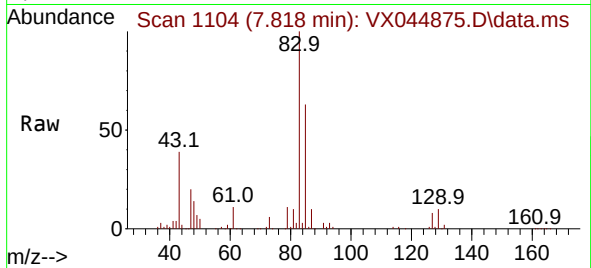




#47
Bromodichloromethane
Concen: 50.980 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

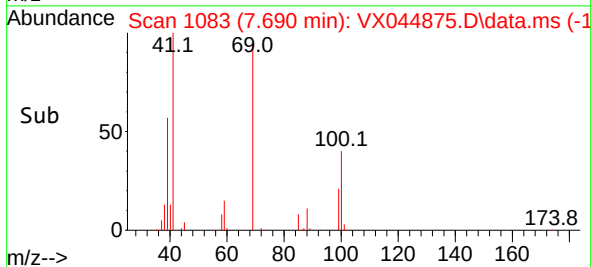
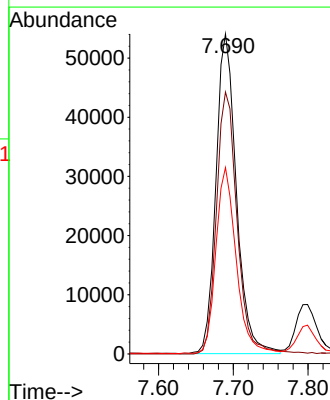
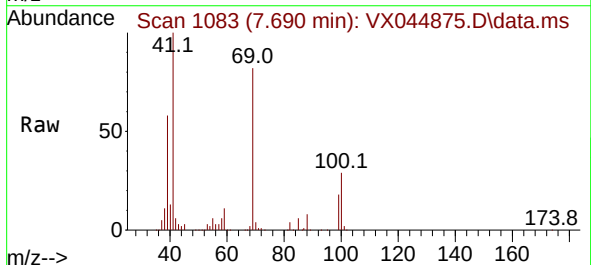
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

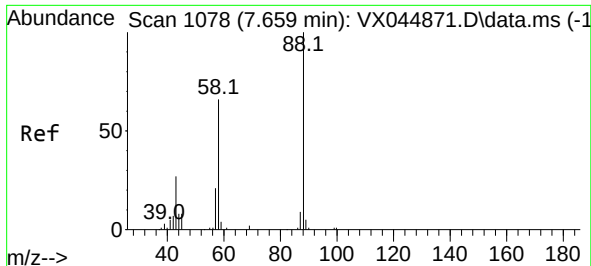
Tgt Ion: 83 Resp: 122265
Ion Ratio Lower Upper
83 100
85 63.3 50.0 75.0
127 8.2 6.4 9.6



#48
Methyl methacrylate
Concen: 52.848 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 41 Resp: 102900
Ion Ratio Lower Upper
41 100
69 83.2 65.8 98.8
39 57.8 46.4 69.6





#49

1,4-Dioxane

Concen: 1021.138 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021025

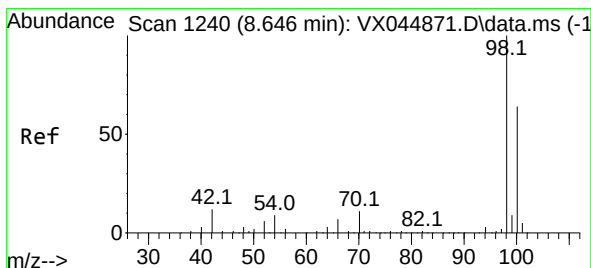
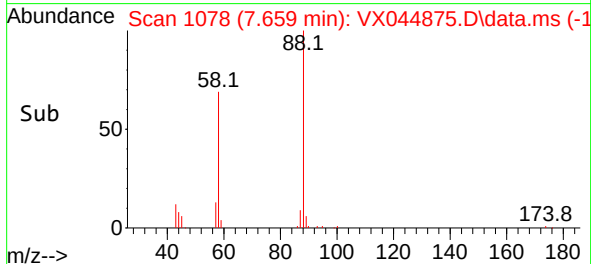
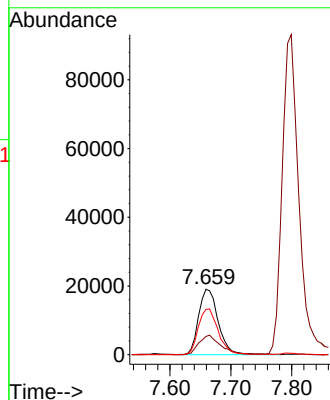
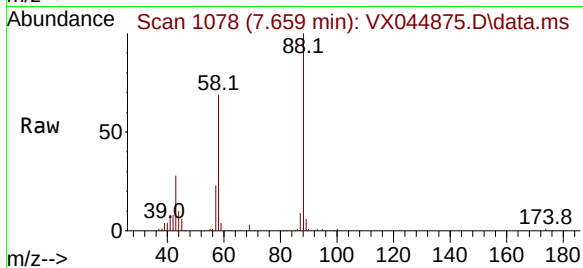
Tgt Ion: 88 Resp: 42658

Ion Ratio Lower Upper

88 100

43 32.2 26.6 39.8

58 71.2 55.9 83.9



#50

Toluene-d8

Concen: 49.649 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044875.D

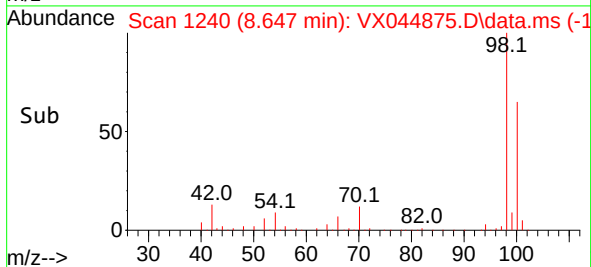
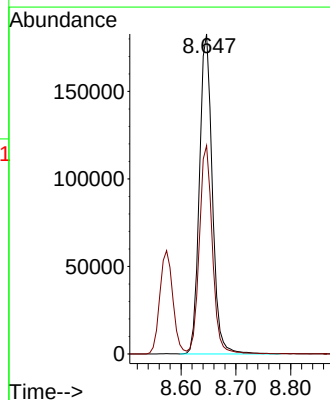
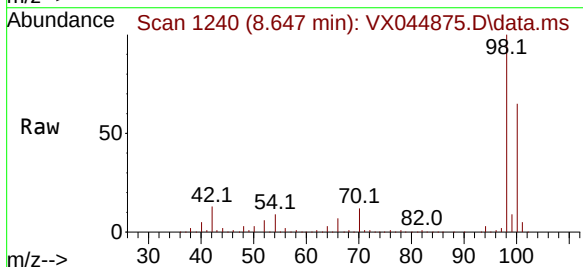
Acq: 10 Feb 2025 13:15

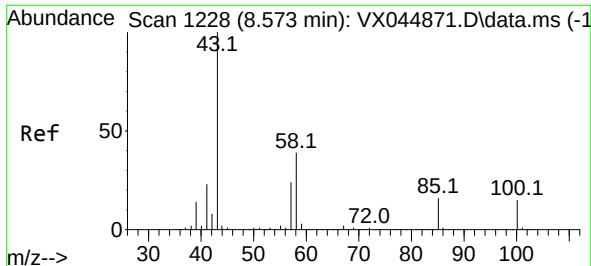
Tgt Ion: 98 Resp: 299178

Ion Ratio Lower Upper

98 100

100 65.4 52.7 79.1

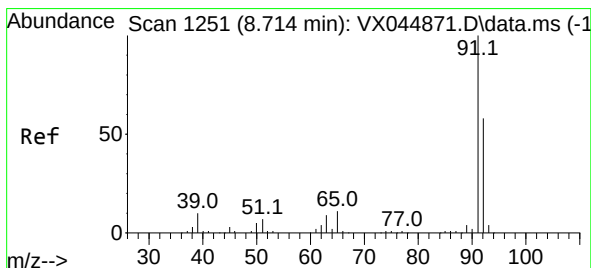
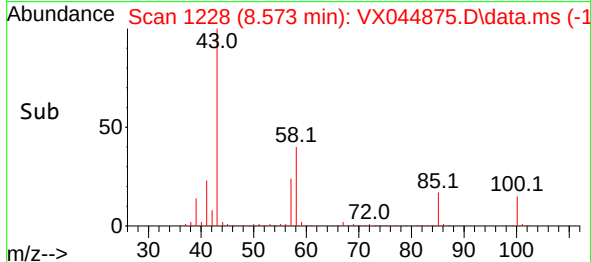
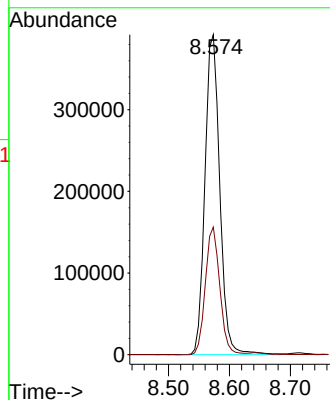
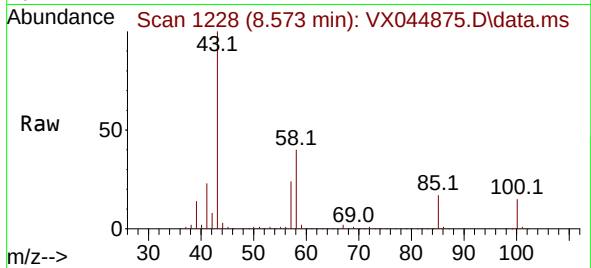




#51
4-Methyl-2-Pentanone
Concen: 265.112 ug/l
RT: 8.573 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

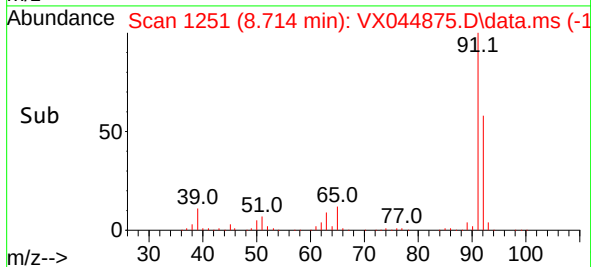
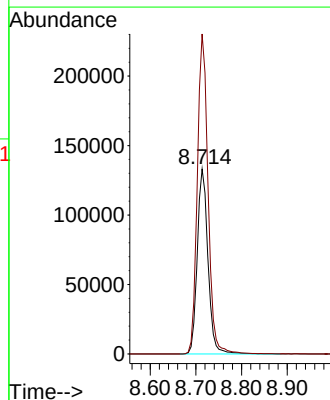
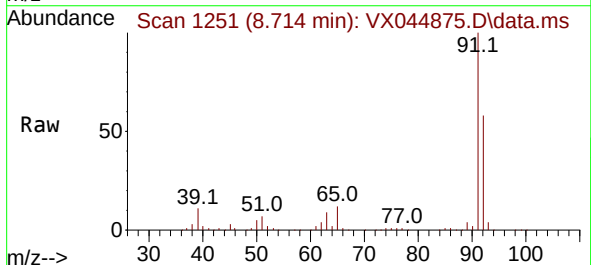
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

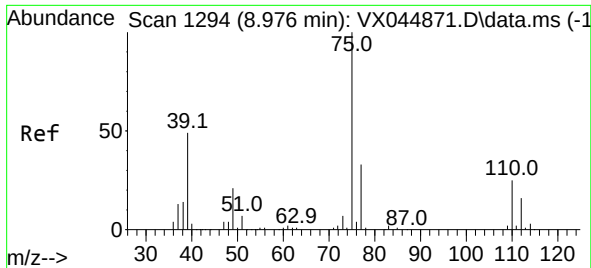
Tgt Ion: 43 Resp: 665564
Ion Ratio Lower Upper
43 100
58 38.7 30.8 46.2



#52
Toluene
Concen: 50.680 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 92 Resp: 216682
Ion Ratio Lower Upper
92 100
91 173.4 137.4 206.2

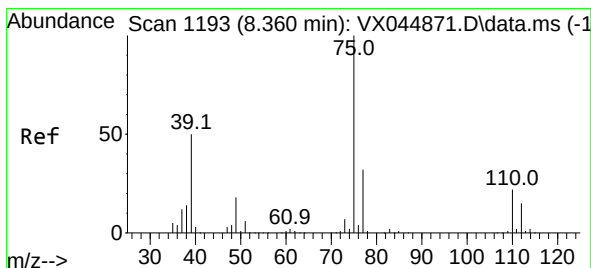
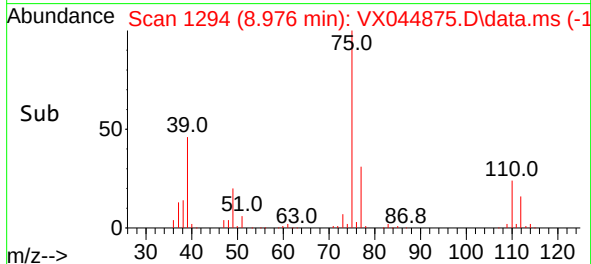
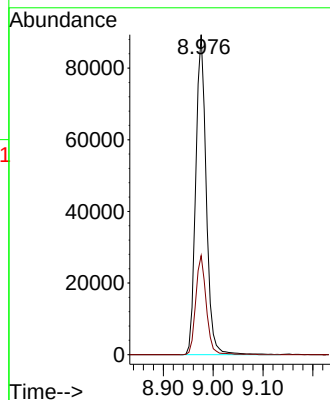
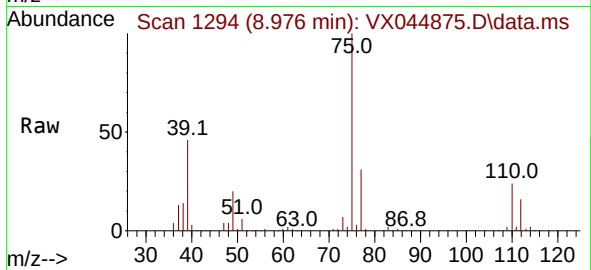




#53
 t-1,3-Dichloropropene
 Concen: 53.731 ug/l
 RT: 8.976 min Scan# 1193
 Delta R.T. 0.000 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

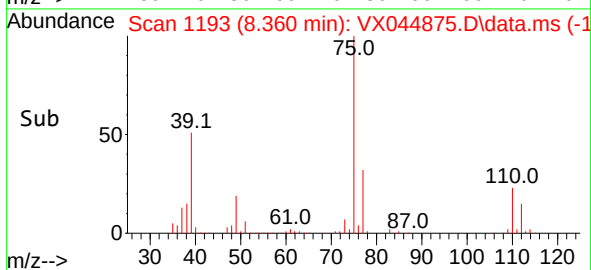
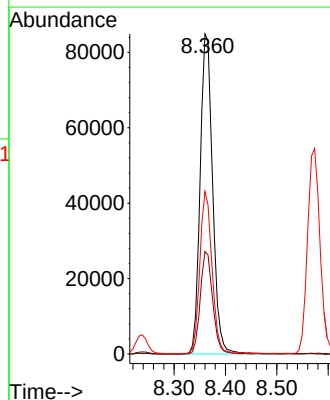
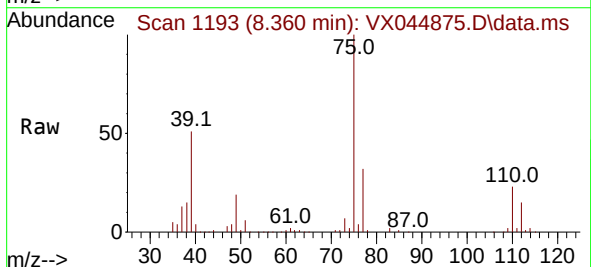
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021025

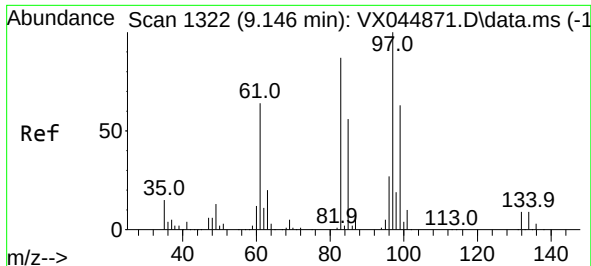
Tgt Ion: 75 Resp: 130405
 Ion Ratio Lower Upper
 75 100
 77 31.0 26.0 39.0



#54
 cis-1,3-Dichloropropene
 Concen: 52.986 ug/l
 RT: 8.360 min Scan# 1193
 Delta R.T. 0.000 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 143379
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.3 37.9
 39 50.6 40.0 60.0

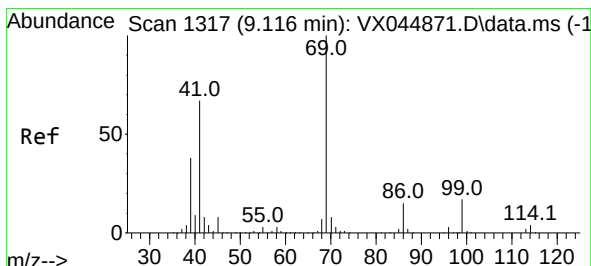
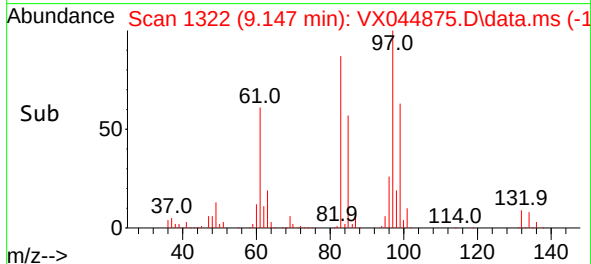
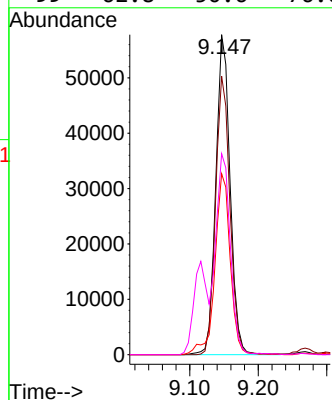
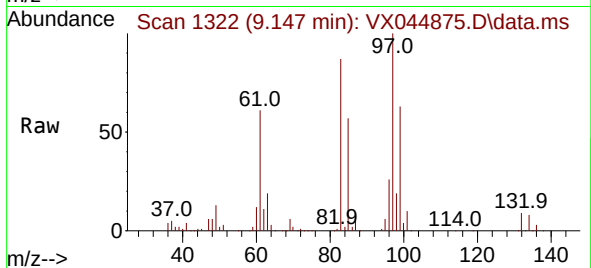




#55
 1,1,2-Trichloroethane
 Concen: 50.811 ug/l
 RT: 9.147 min Scan# 1322
 Delta R.T. 0.000 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

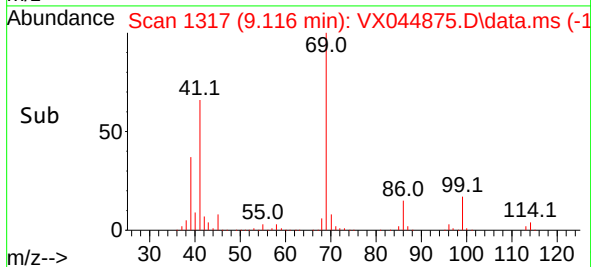
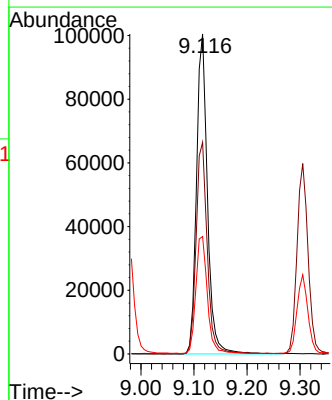
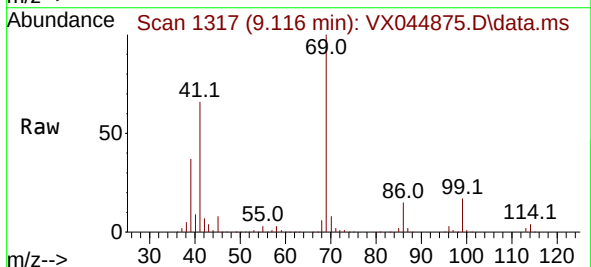
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021025

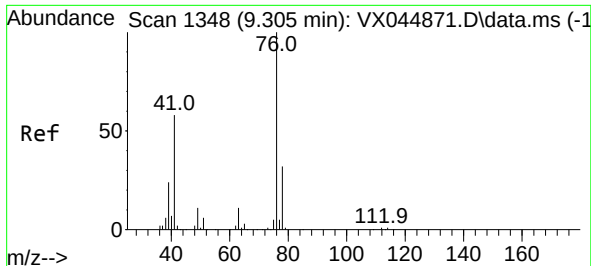
Tgt Ion: 97	Resp: 83510
Ion Ratio	Lower Upper
97 100	
83 87.1	69.8 104.6
85 56.6	44.8 67.2
99 62.8	50.6 76.0



#56
 Ethyl methacrylate
 Concen: 54.068 ug/l
 RT: 9.116 min Scan# 1317
 Delta R.T. 0.000 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

Tgt Ion: 69	Resp: 143524
Ion Ratio	Lower Upper
69 100	
41 67.8	55.2 82.8
39 38.4	30.8 46.2





#57

1,3-Dichloropropane

Concen: 50.852 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

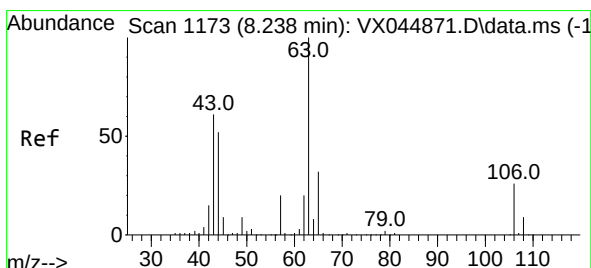
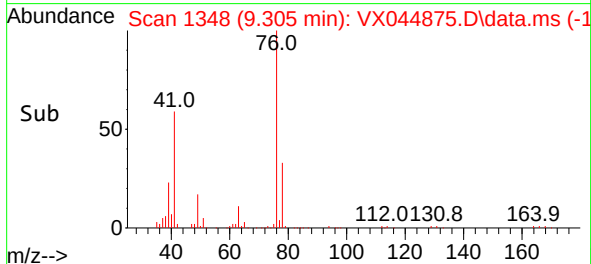
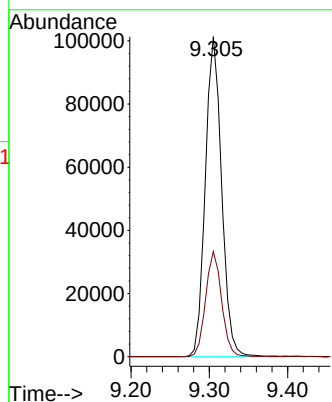
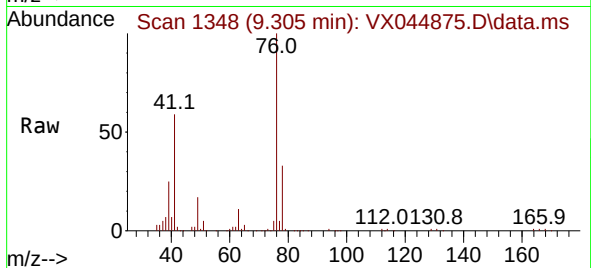
ICVVX021025

Tgt Ion: 76 Resp: 146236

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 284.352 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044875.D

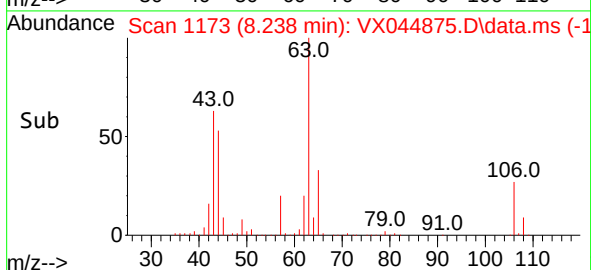
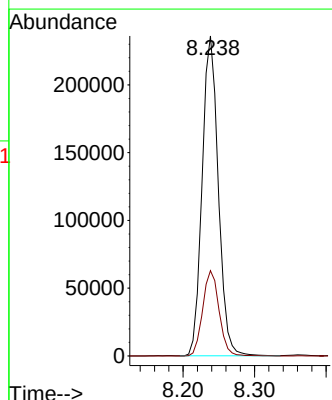
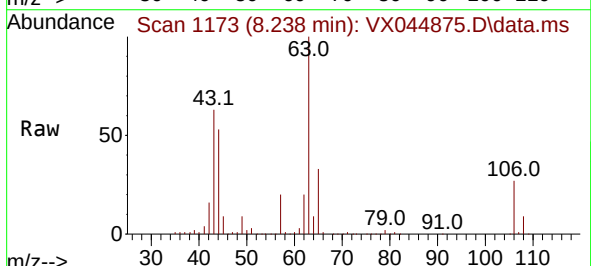
Acq: 10 Feb 2025 13:15

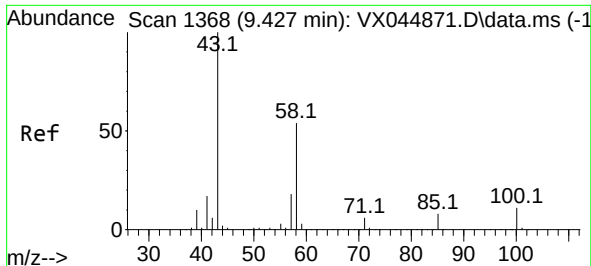
Tgt Ion: 63 Resp: 370622

Ion Ratio Lower Upper

63 100

106 27.0 21.3 31.9





#59

2-Hexanone

Concen: 269.951 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

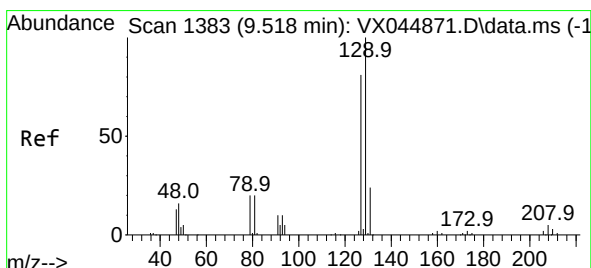
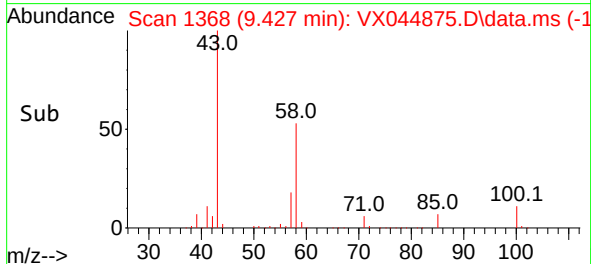
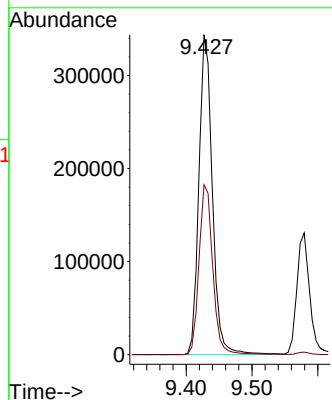
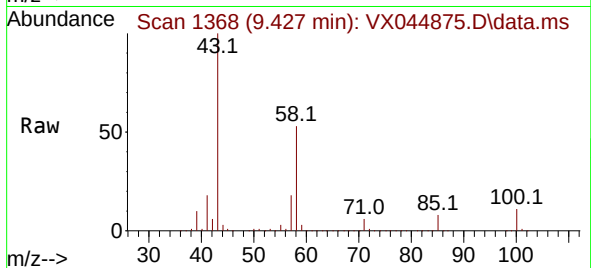
ICVVX021025

Tgt Ion: 43 Resp: 488298

Ion Ratio Lower Upper

43 100

58 54.5 27.5 82.4



#60

Dibromochloromethane

Concen: 51.673 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX044875.D

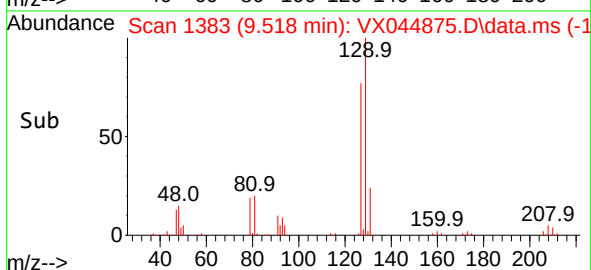
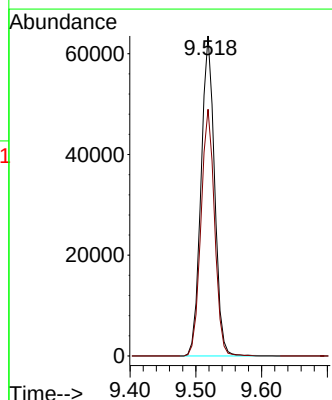
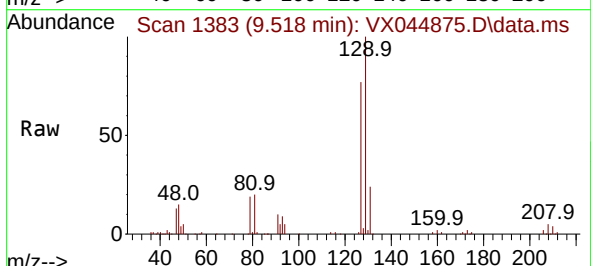
Acq: 10 Feb 2025 13:15

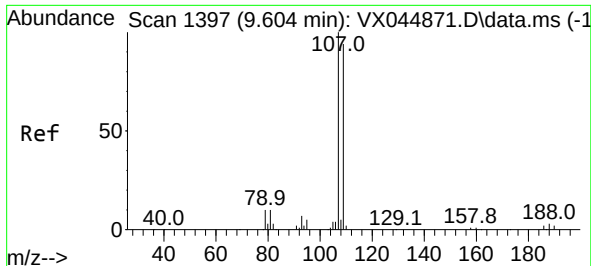
Tgt Ion: 129 Resp: 90826

Ion Ratio Lower Upper

129 100

127 77.5 39.1 117.3

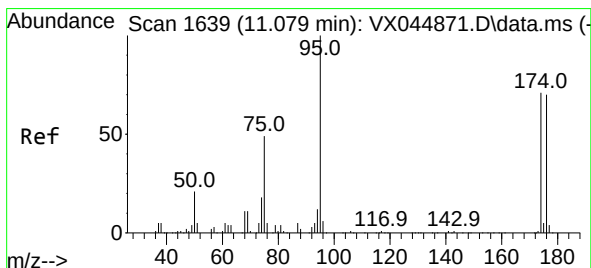
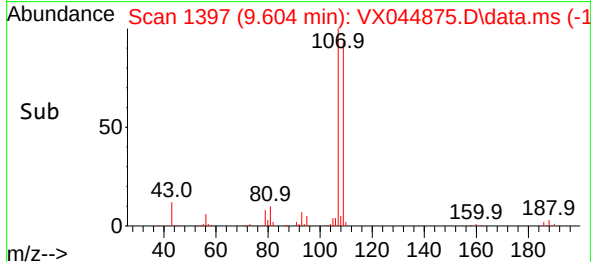
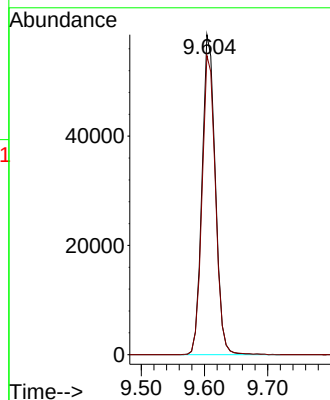
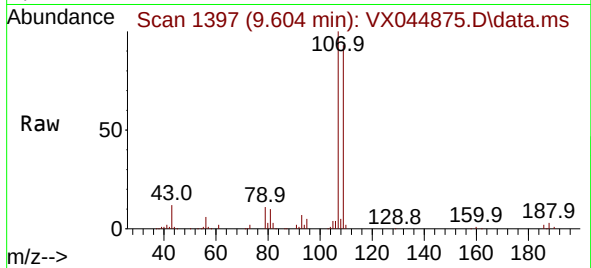




#61
1,2-Dibromoethane
Concen: 51.436 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

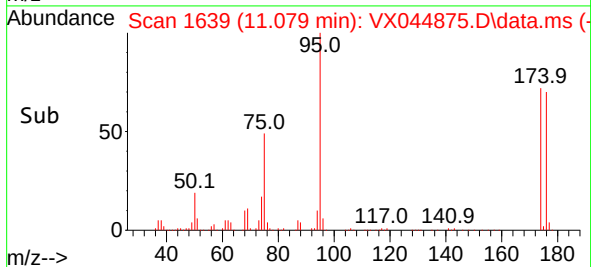
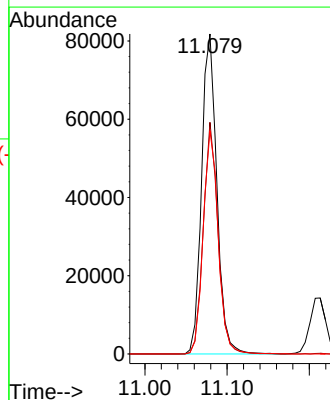
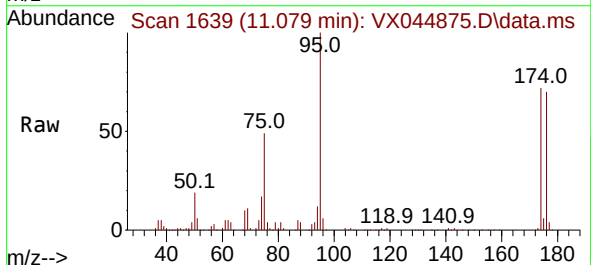
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

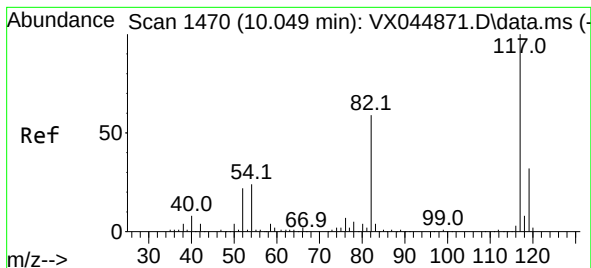
Tgt Ion:107 Resp: 85683
Ion Ratio Lower Upper
107 100
109 94.5 75.9 113.9



#62
4-Bromofluorobenzene
Concen: 51.786 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 95 Resp: 105201
Ion Ratio Lower Upper
95 100
174 69.8 0.0 142.6
176 68.9 0.0 141.6

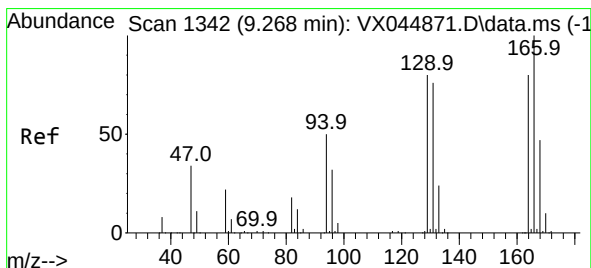
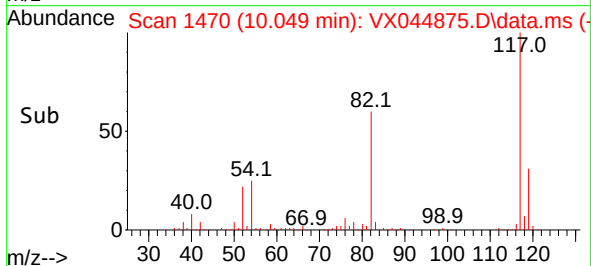
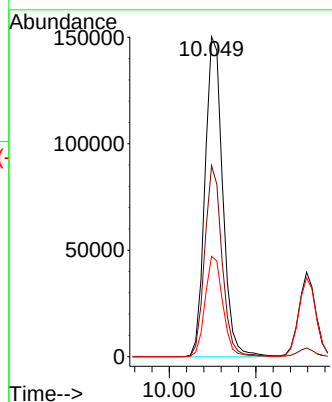
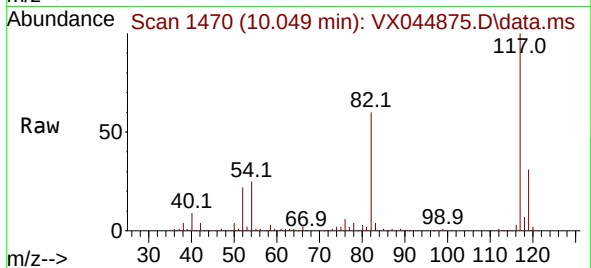




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

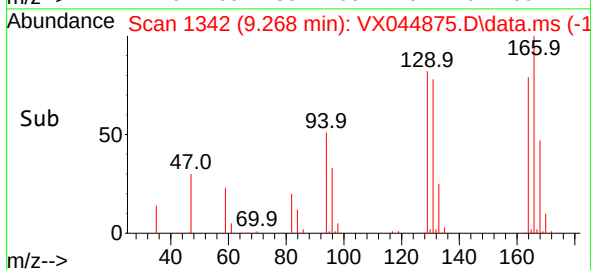
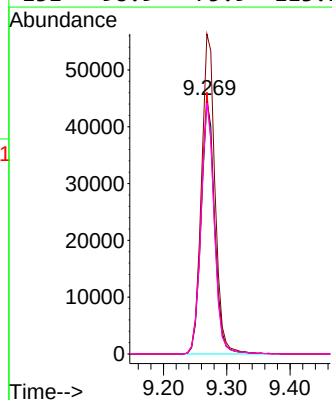
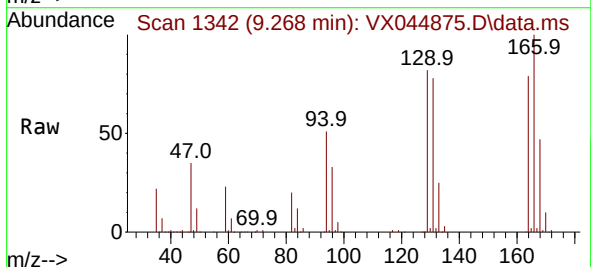
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

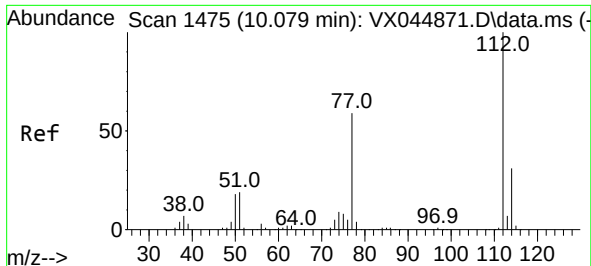
Tgt Ion:117 Resp: 213248
Ion Ratio Lower Upper
117 100
82 59.7 47.5 71.3
119 31.3 25.4 38.0



#64
Tetrachloroethene
Concen: 49.424 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:164 Resp: 66468
Ion Ratio Lower Upper
164 100
166 126.1 100.4 150.6
129 103.1 79.9 119.9
131 98.9 75.9 113.9

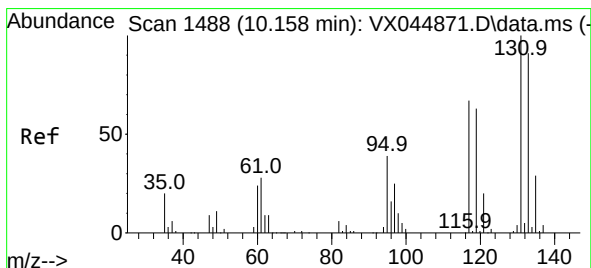
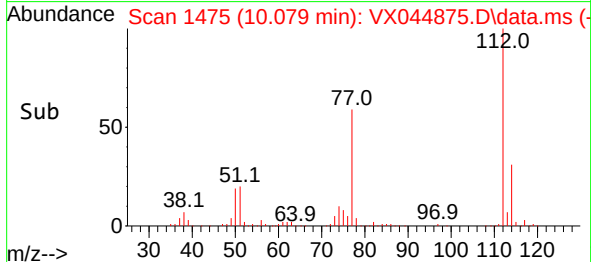
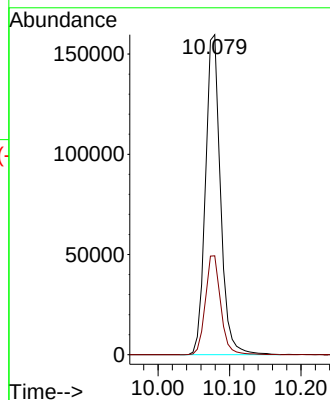
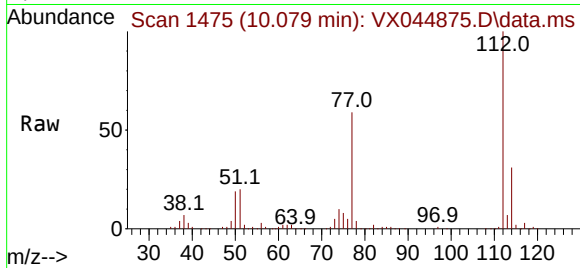




#65
Chlorobenzene
Concen: 50.952 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

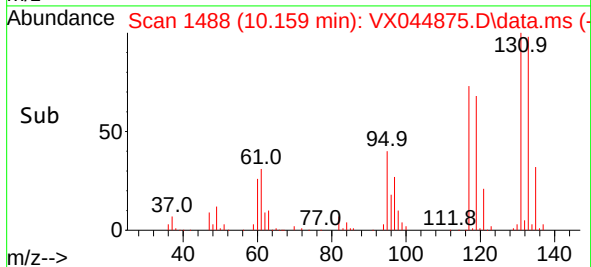
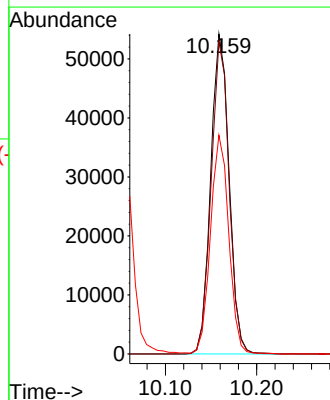
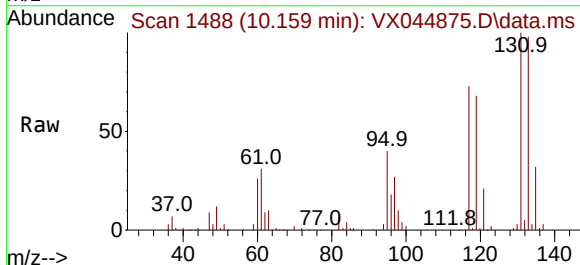
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

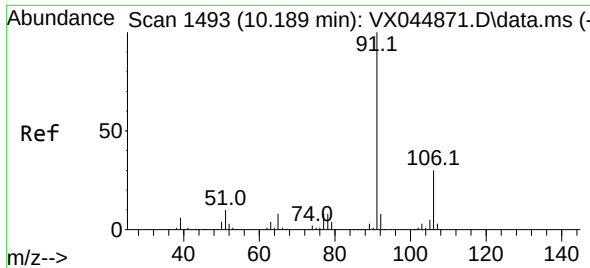
Tgt Ion:112 Resp: 233373
Ion Ratio Lower Upper
112 100
114 30.9 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.205 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:131 Resp: 75488
Ion Ratio Lower Upper
131 100
133 95.8 47.1 141.3
119 68.2 33.6 100.6

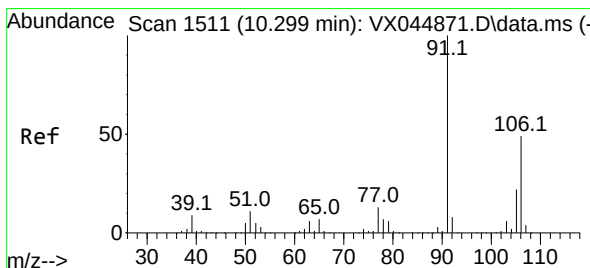
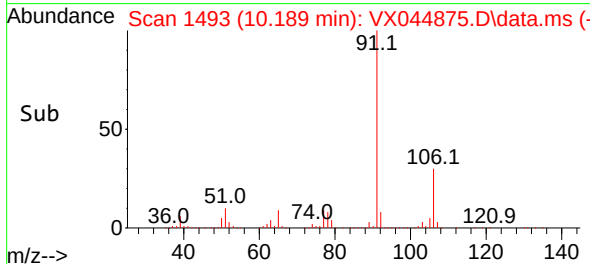
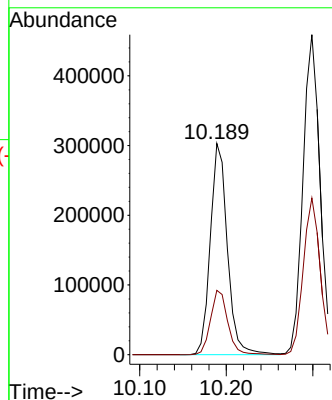
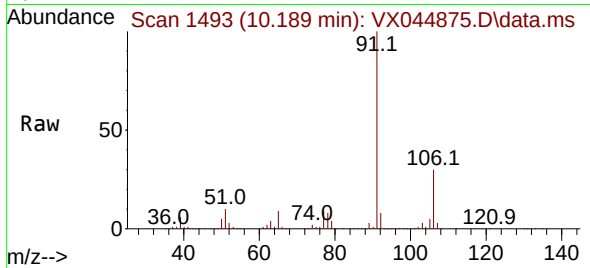




#67
Ethyl Benzene
Concen: 51.415 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

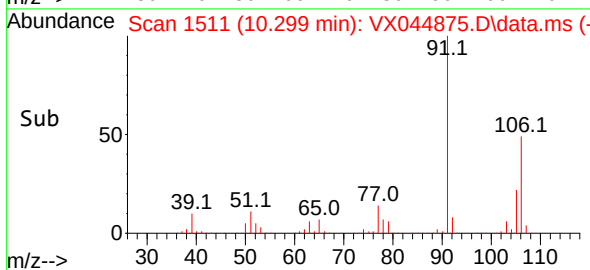
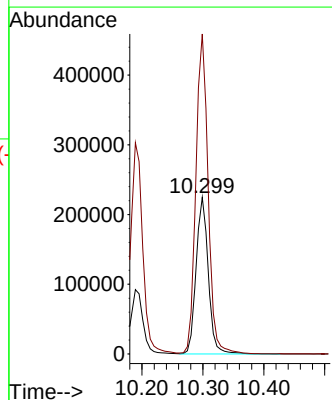
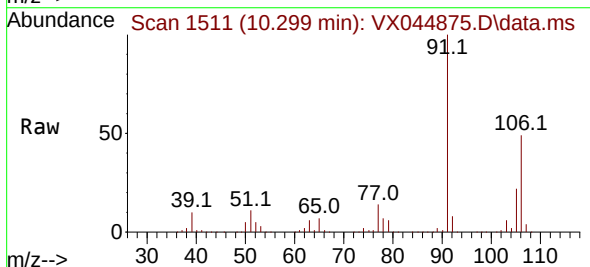
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

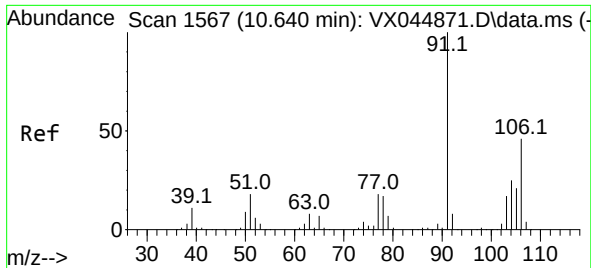
Tgt Ion: 91 Resp: 415575
Ion Ratio Lower Upper
91 100
106 30.4 23.9 35.9



#68
m/p-Xylenes
Concen: 104.282 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:106 Resp: 310925
Ion Ratio Lower Upper
106 100
91 205.2 164.3 246.5

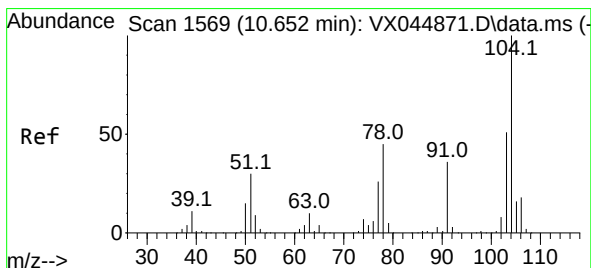
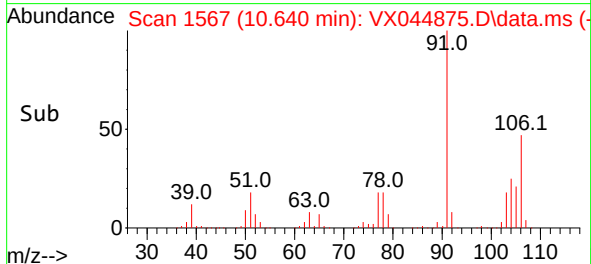
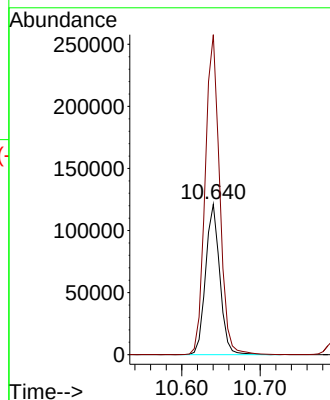
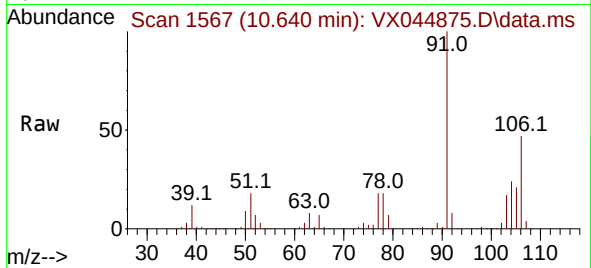




#69
o-Xylene
Concen: 50.804 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

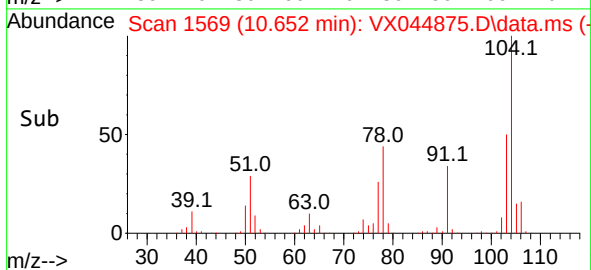
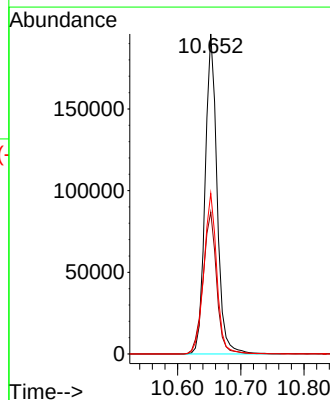
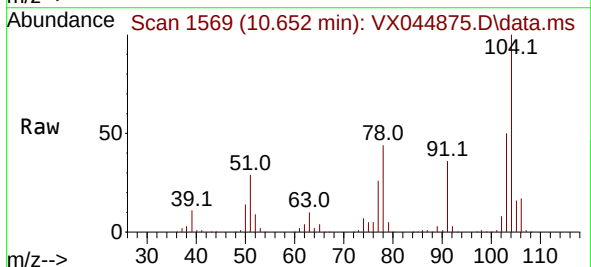
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

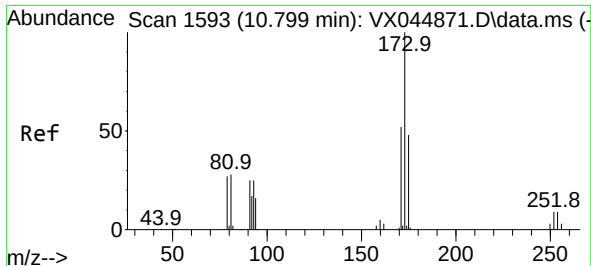
Tgt Ion:106 Resp: 151995
Ion Ratio Lower Upper
106 100
91 217.1 108.5 325.5



#70
Styrene
Concen: 53.521 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:104 Resp: 257972
Ion Ratio Lower Upper
104 100
78 50.3 40.5 60.7
103 54.5 43.6 65.4

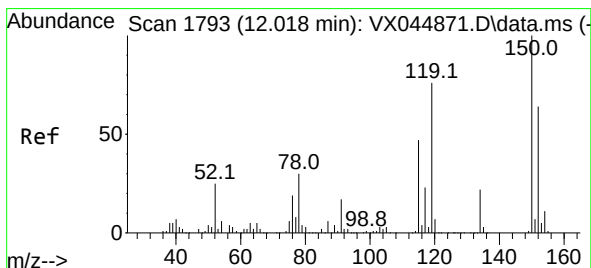
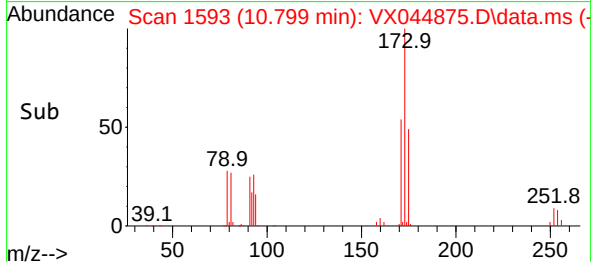
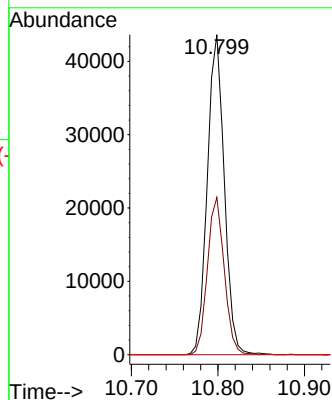
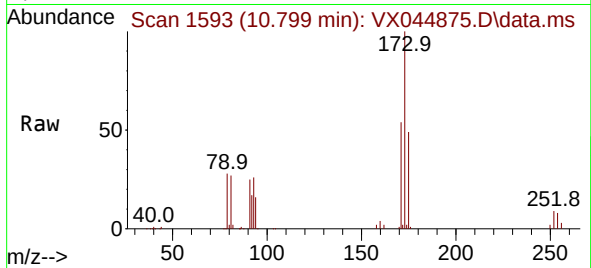




#71
Bromoform
Concen: 53.997 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

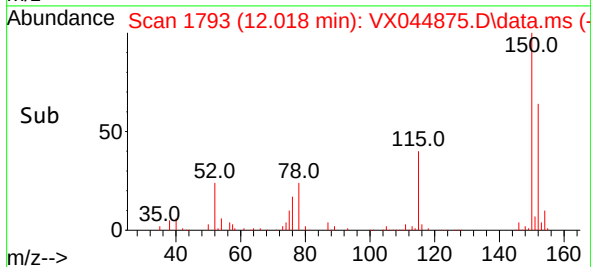
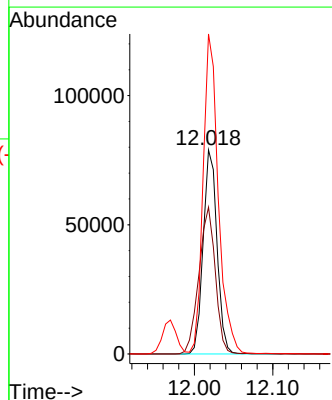
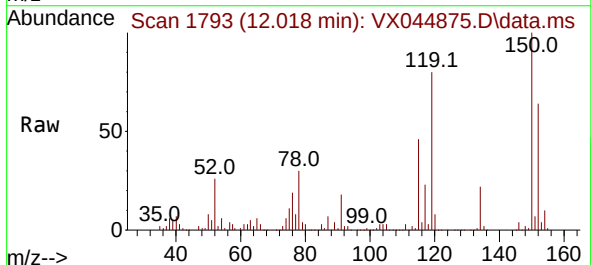
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

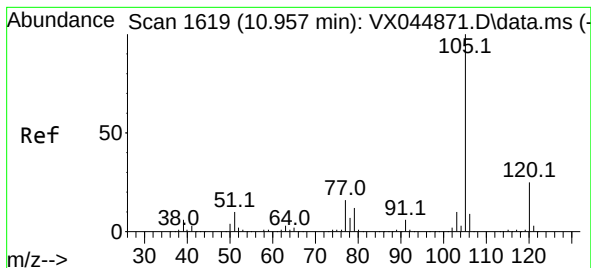
Tgt Ion:173 Resp: 59409
Ion Ratio Lower Upper
173 100
175 48.7 24.3 72.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:152 Resp: 97087
Ion Ratio Lower Upper
152 100
115 85.5 43.4 130.1
150 171.8 0.0 350.4





#73

Isopropylbenzene

Concen: 49.921 ug/l

RT: 10.957 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

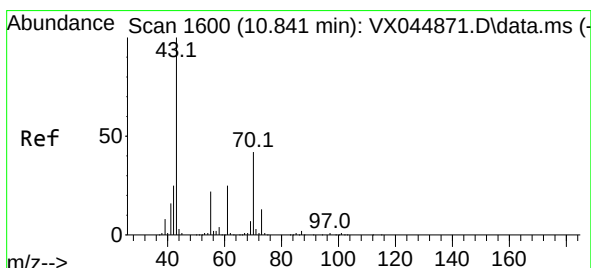
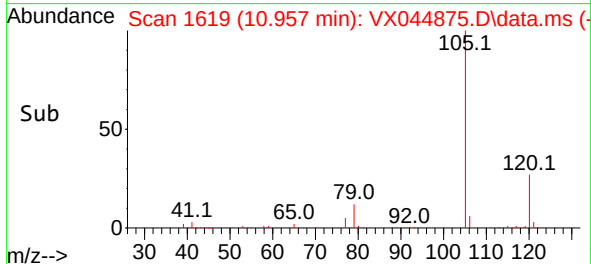
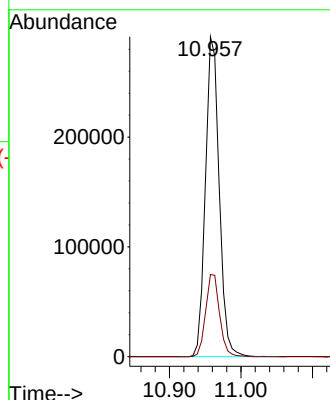
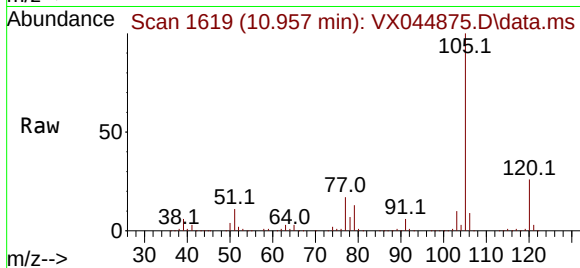
ICVVX021025

Tgt Ion:105 Resp: 390246

Ion Ratio Lower Upper

105 100

120 26.1 13.2 39.5



#74

N-ethyl acetate

Concen: 52.621 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Tgt Ion: 43 Resp: 186145

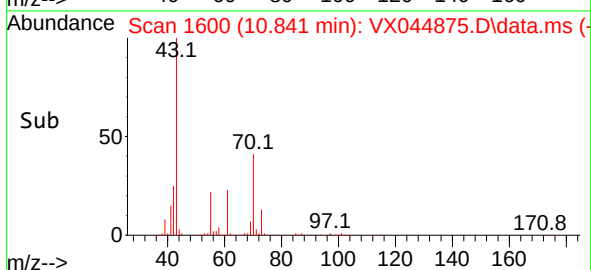
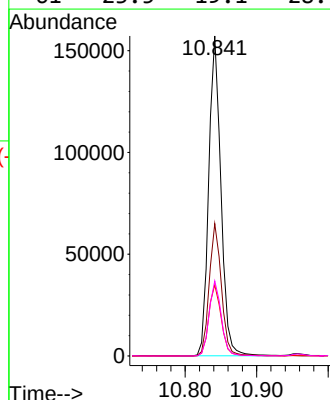
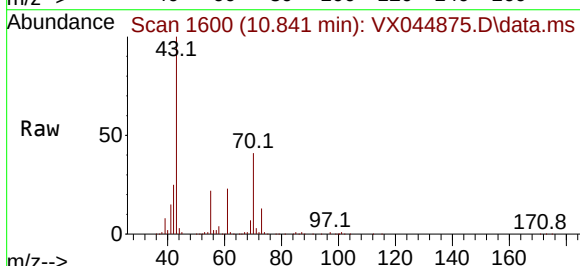
Ion Ratio Lower Upper

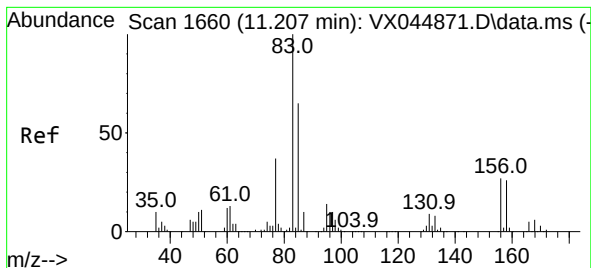
43 100

70 41.4 33.7 50.5

55 22.8 18.6 27.8

61 23.5 19.1 28.7

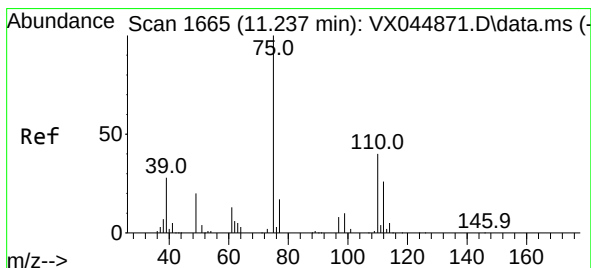
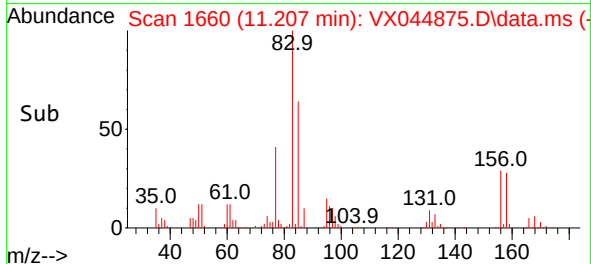
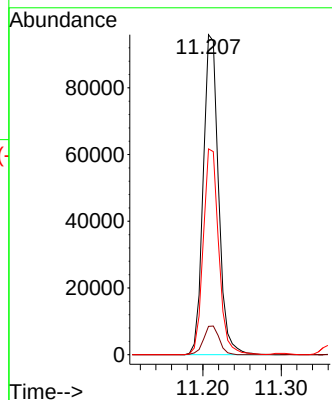
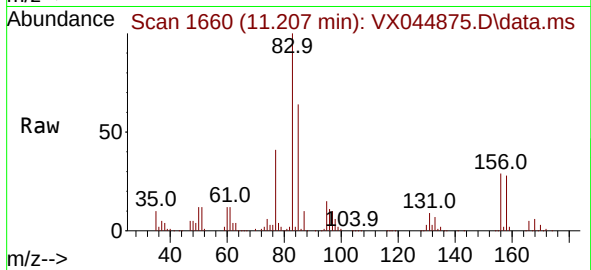




#75
 1,1,2,2-Tetrachloroethane
 Concen: 48.331 ug/l
 RT: 11.207 min Scan# 1660
 Delta R.T. 0.000 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

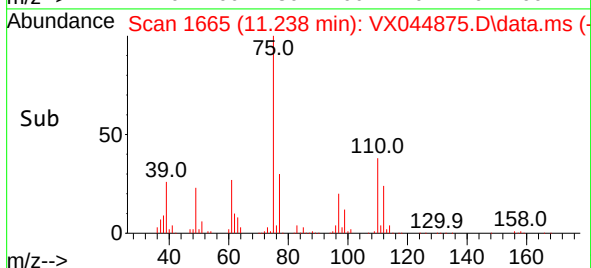
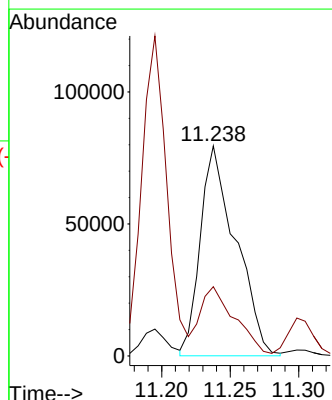
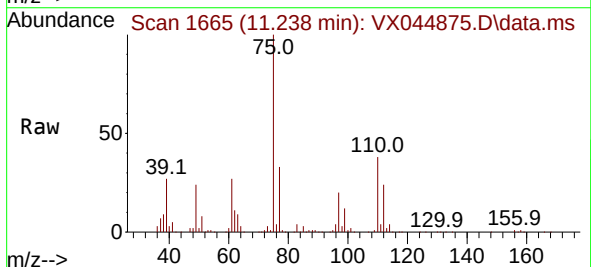
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021025

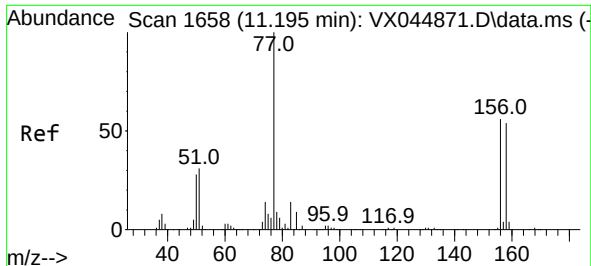
Tgt Ion: 83 Resp: 129829
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.5 13.5
 85 65.1 32.3 96.8



#76
 1,2,3-Trichloropropane
 Concen: 66.510 ug/l
 RT: 11.238 min Scan# 1665
 Delta R.T. 0.000 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 143167
 Ion Ratio Lower Upper
 75 100
 77 32.6 21.9 65.7

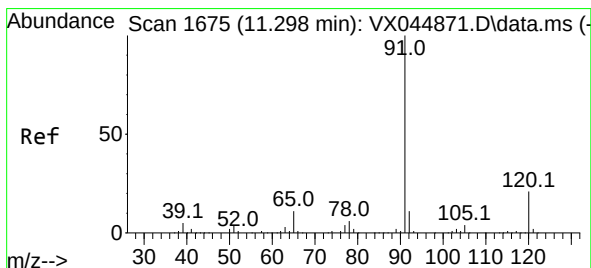
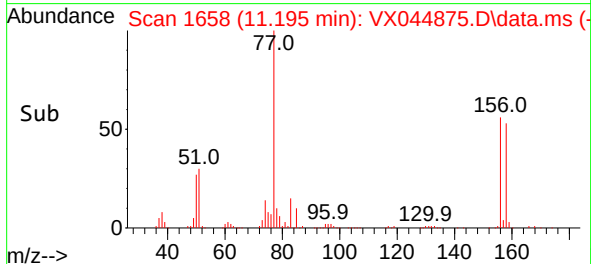
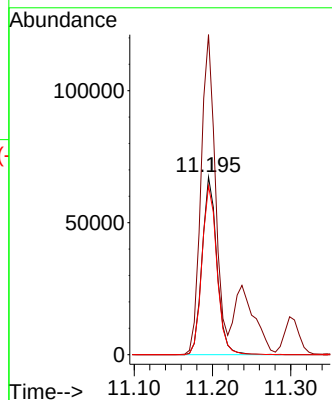
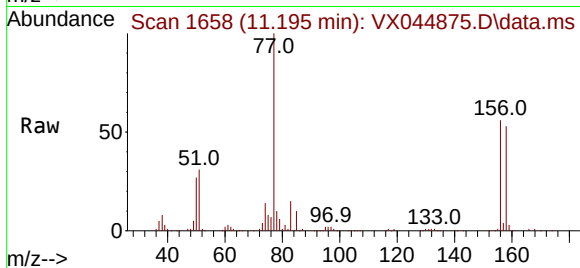




#77
Bromobenzene
Concen: 49.725 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

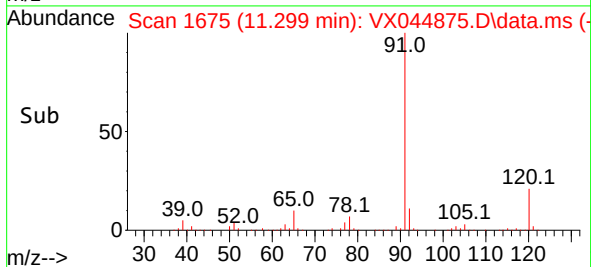
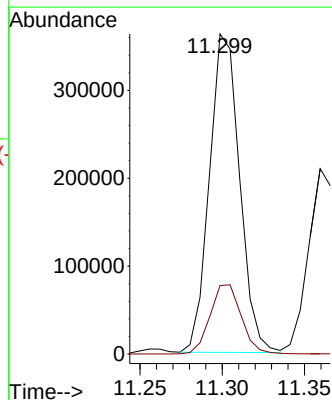
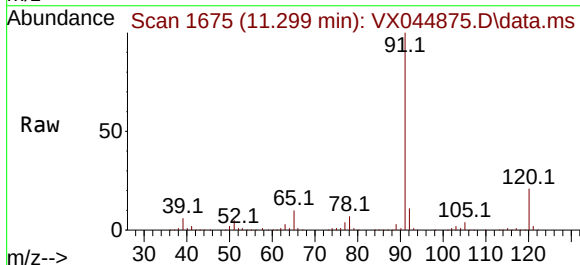
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

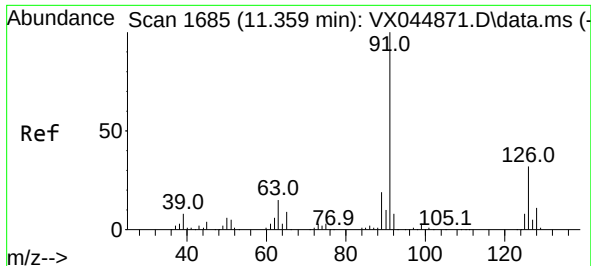
Tgt Ion:156 Resp: 88129
Ion Ratio Lower Upper
156 100
77 176.3 88.4 265.3
158 96.7 48.4 145.2



#78
n-propylbenzene
Concen: 51.386 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 91 Resp: 463655
Ion Ratio Lower Upper
91 100
120 22.5 11.1 33.3

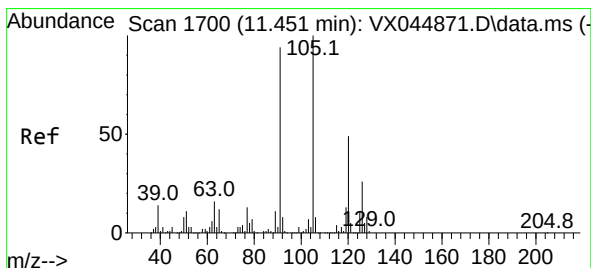
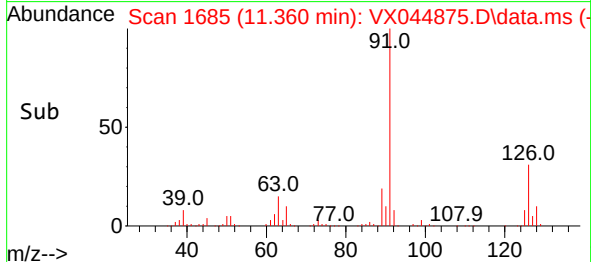
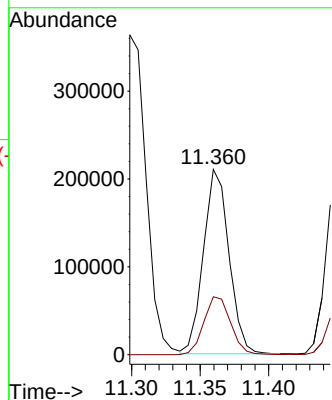
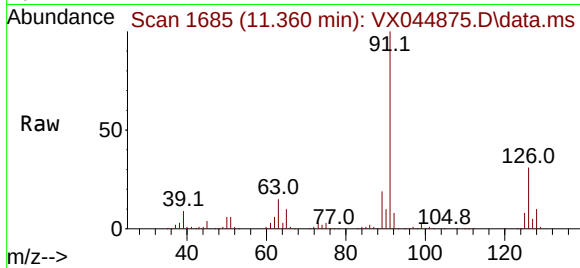




#79
2-Chlorotoluene
Concen: 49.065 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

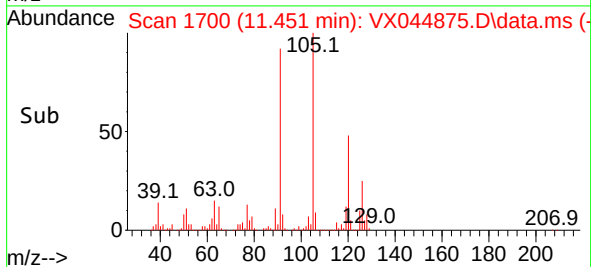
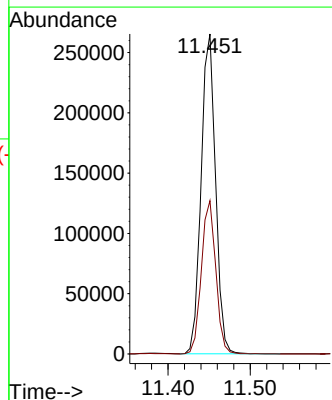
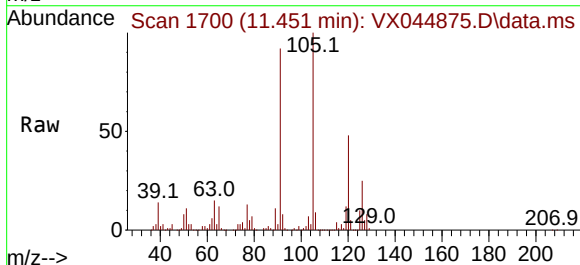
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

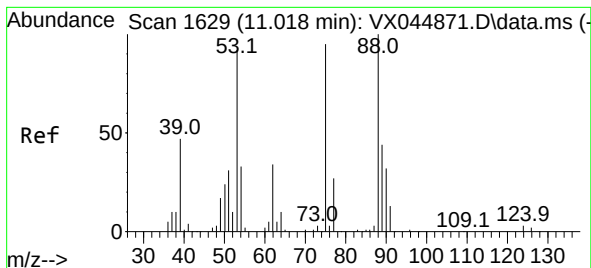
Tgt Ion: 91 Resp: 272091
Ion Ratio Lower Upper
91 100
126 33.0 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 50.956 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 105 Resp: 323251
Ion Ratio Lower Upper
105 100
120 48.0 24.0 72.0

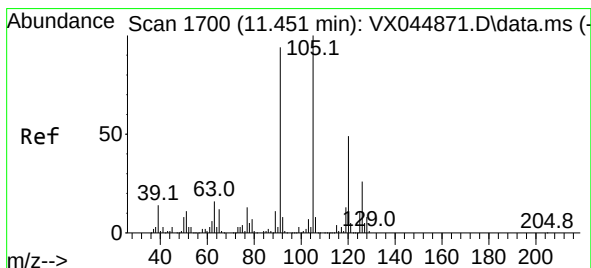
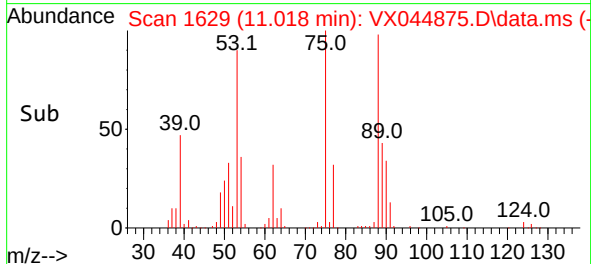
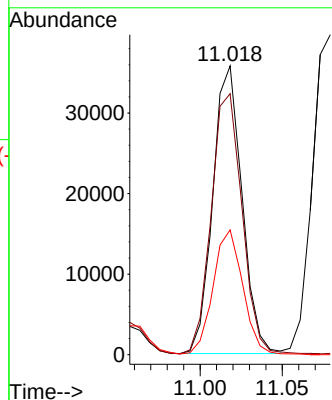
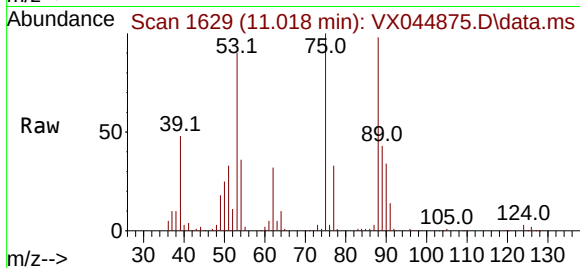




#81
trans-1,4-Dichloro-2-butene
Concen: 52.665 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

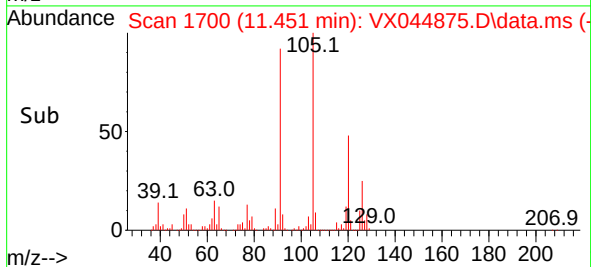
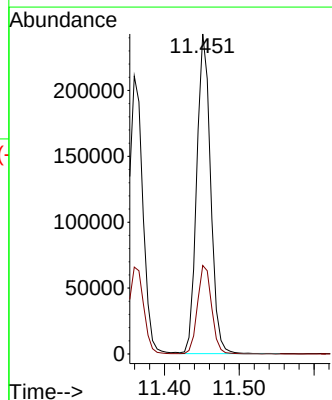
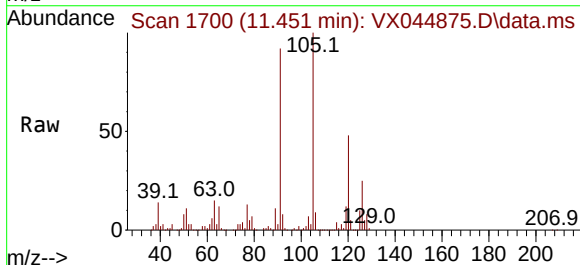
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

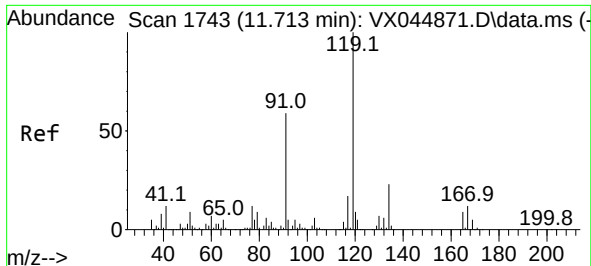
Tgt Ion: 75 Resp: 44070
Ion Ratio Lower Upper
75 100
53 96.9 78.0 117.0
89 44.3 36.6 54.8



#82
4-Chlorotoluene
Concen: 50.872 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 91 Resp: 312112
Ion Ratio Lower Upper
91 100
126 28.2 14.2 42.6

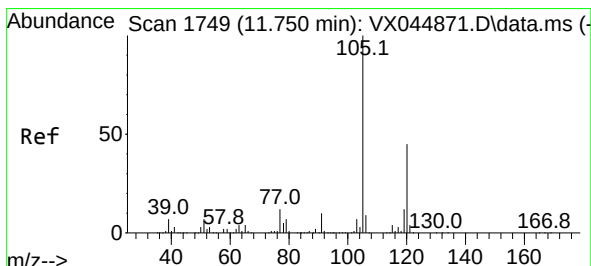
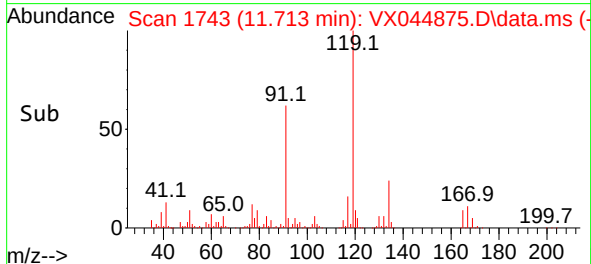
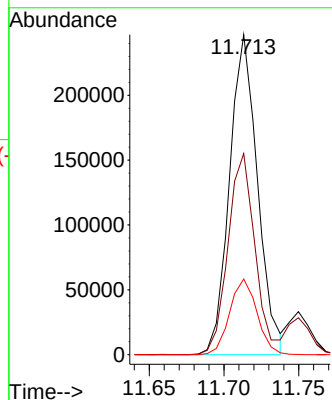
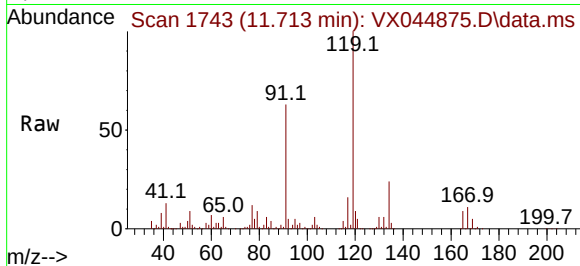




#83
 tert-Butylbenzene
 Concen: 50.139 ug/l
 RT: 11.713 min Scan# 1743
 Delta R.T. 0.000 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

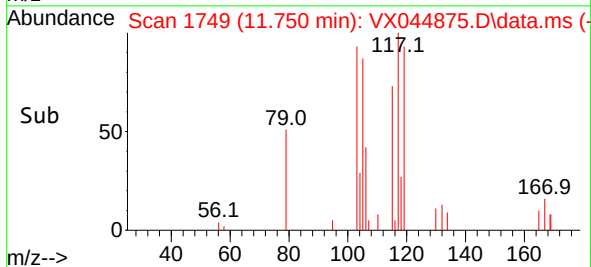
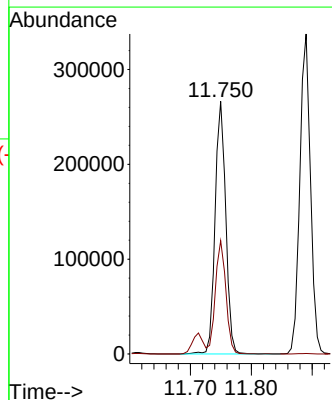
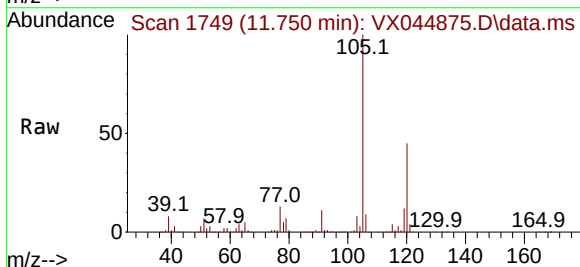
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021025

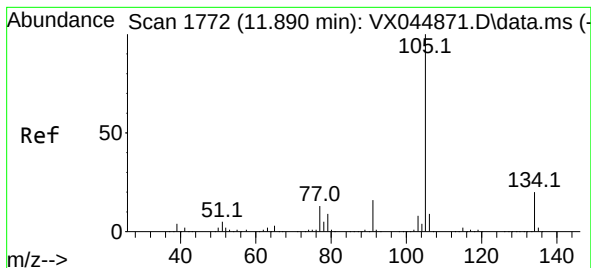
Tgt Ion:119 Resp: 321772
 Ion Ratio Lower Upper
 119 100
 91 60.7 29.1 87.4
 134 23.0 11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 51.593 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

Tgt Ion:105 Resp: 323035
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.4 67.0

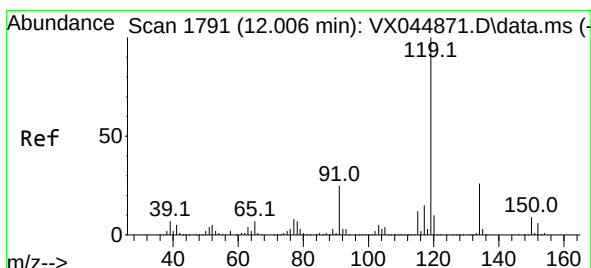
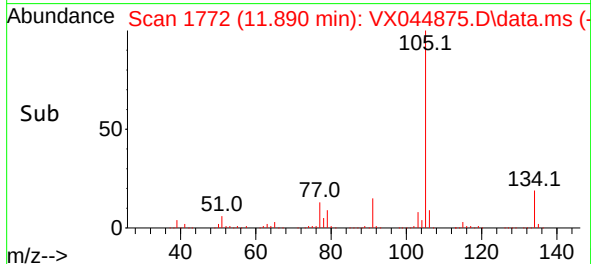
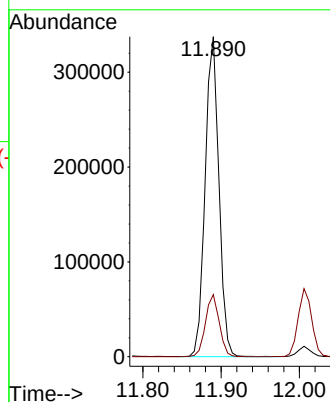
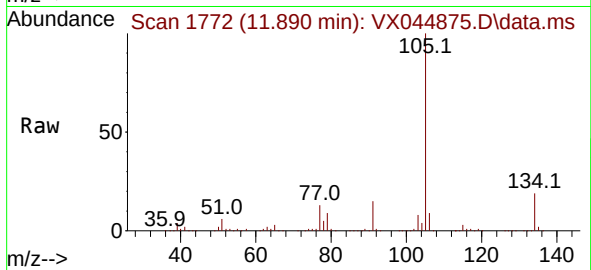




#85
 sec-Butylbenzene
 Concen: 51.617 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

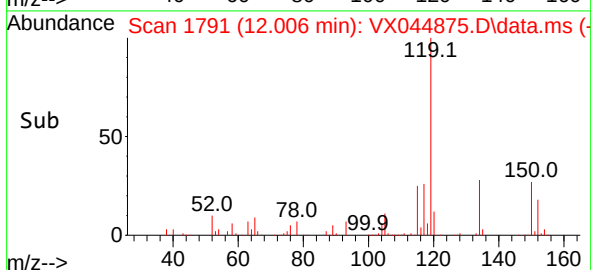
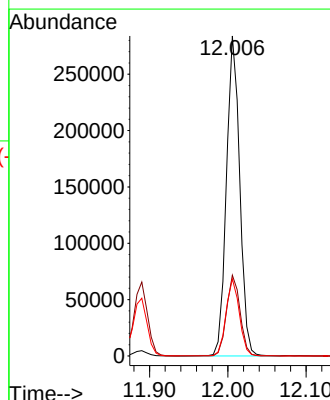
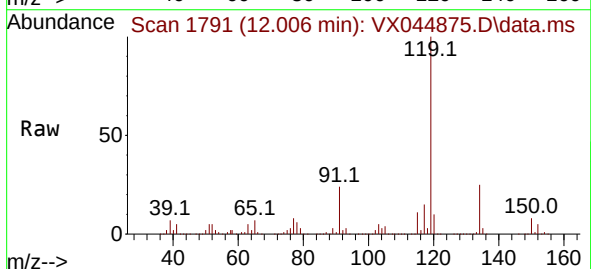
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021025

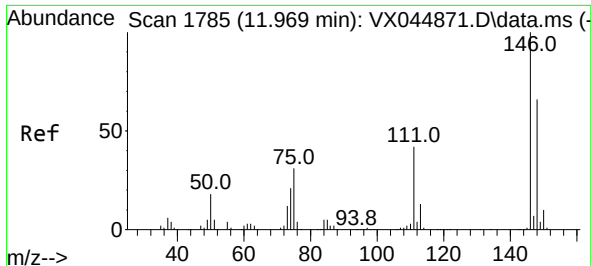
Tgt Ion:105 Resp: 410197
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 52.581 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX044875.D
 Acq: 10 Feb 2025 13:15

Tgt Ion:119 Resp: 336027
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.0 38.9
 91 24.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 50.475 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021025

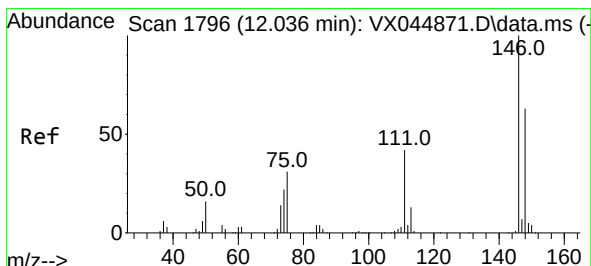
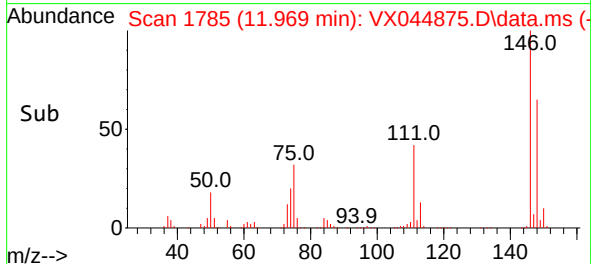
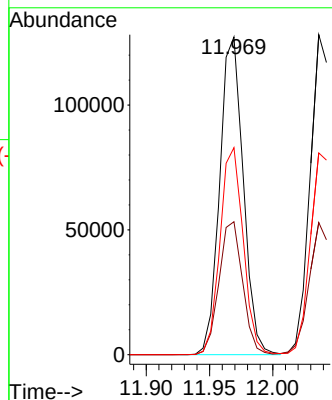
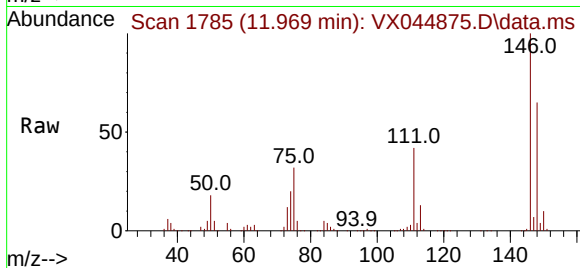
Tgt Ion:146 Resp: 164508

Ion Ratio Lower Upper

146 100

111 42.0 21.2 63.6

148 64.3 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 49.526 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

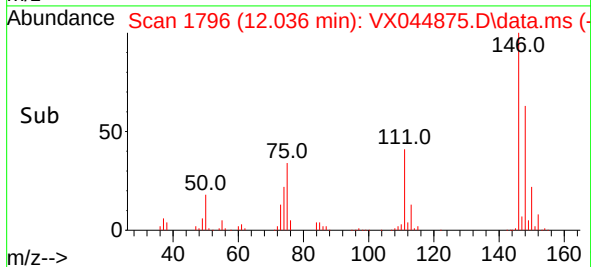
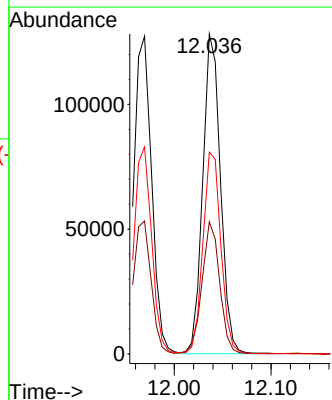
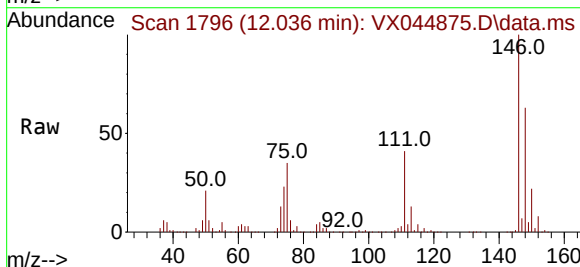
Tgt Ion:146 Resp: 163203

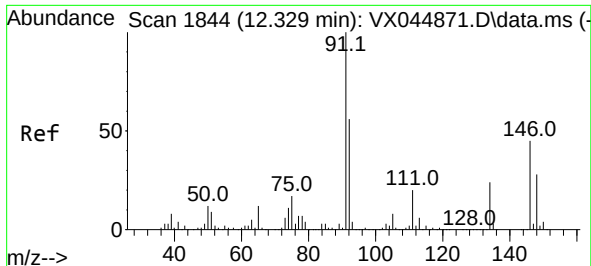
Ion Ratio Lower Upper

146 100

111 41.3 20.4 61.3

148 64.2 32.0 96.0





#89

n-Butylbenzene

Concen: 55.142 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVX021025

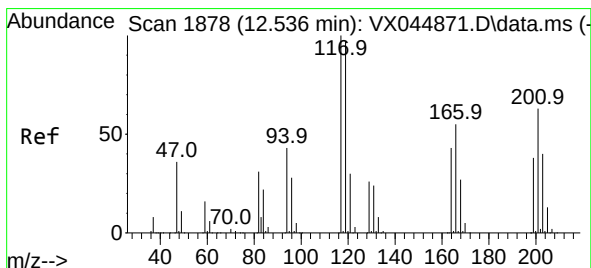
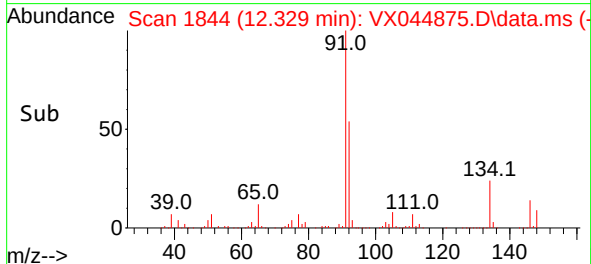
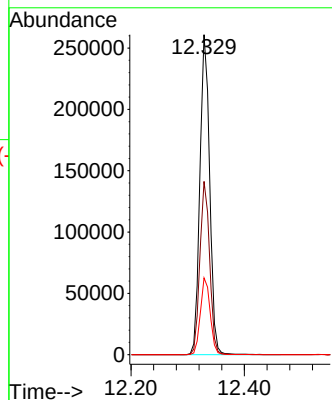
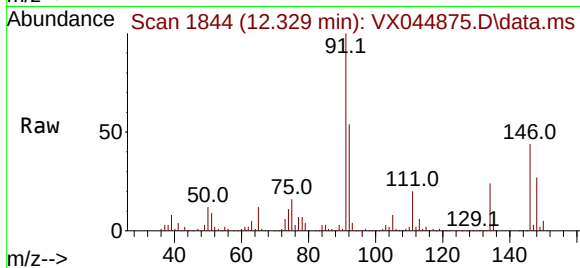
Tgt Ion: 91 Resp: 311764

Ion Ratio Lower Upper

91 100

92 54.1 27.2 81.6

134 24.1 12.1 36.3



#90

Hexachloroethane

Concen: 50.990 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX044875.D

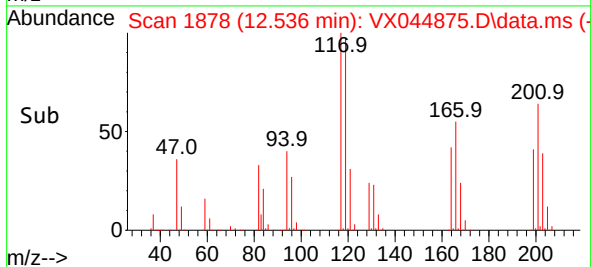
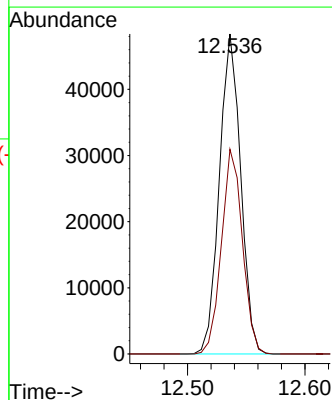
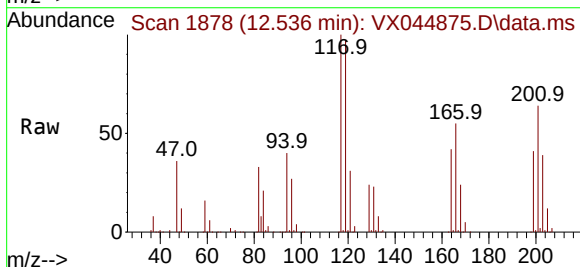
Acq: 10 Feb 2025 13:15

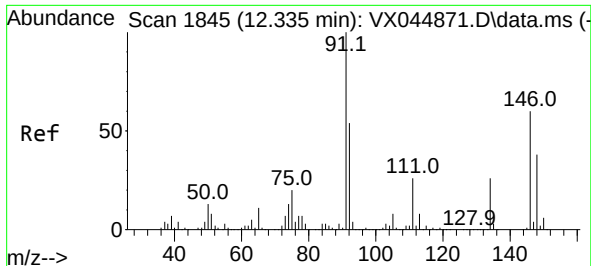
Tgt Ion: 117 Resp: 61016

Ion Ratio Lower Upper

117 100

201 63.1 32.5 97.5

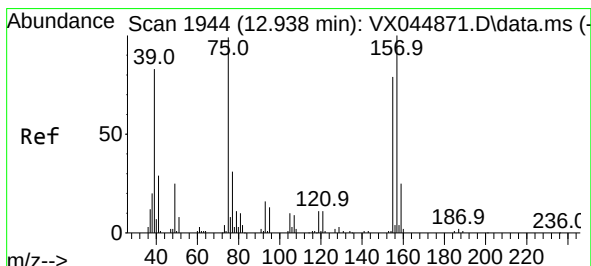
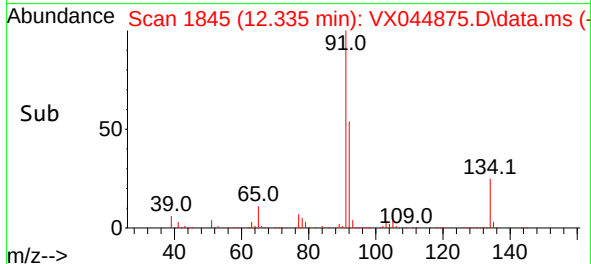
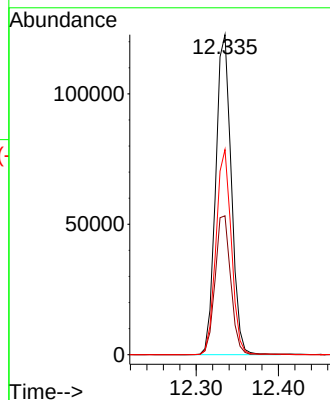
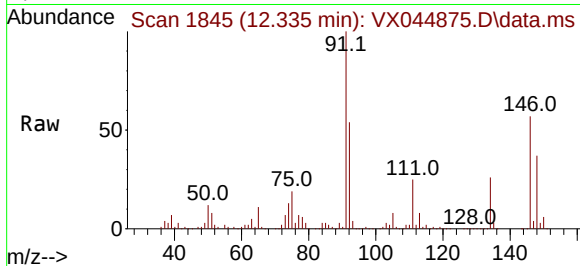




#91
1,2-Dichlorobenzene
Concen: 50.447 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

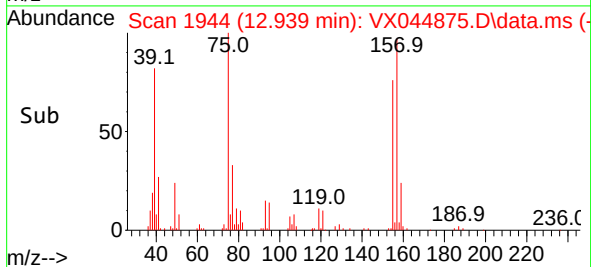
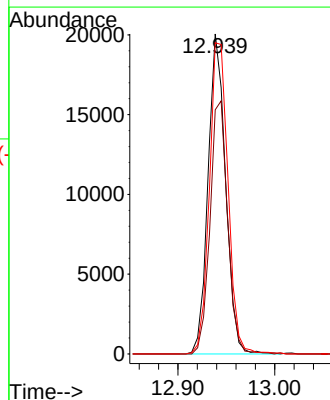
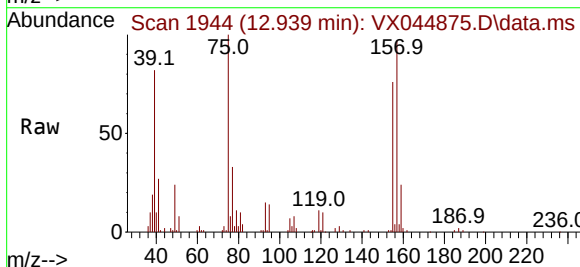
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

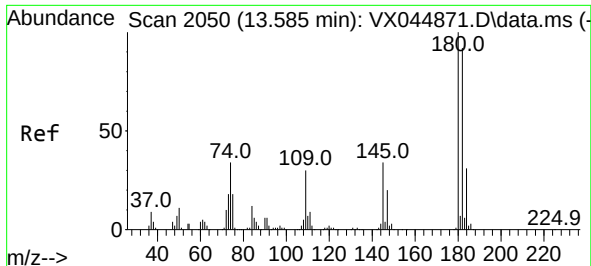
Tgt Ion:146 Resp: 161590
Ion Ratio Lower Upper
146 100
111 43.7 21.8 65.4
148 63.3 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 51.684 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion: 75 Resp: 25339
Ion Ratio Lower Upper
75 100
155 79.5 40.5 121.4
157 103.5 51.4 154.3

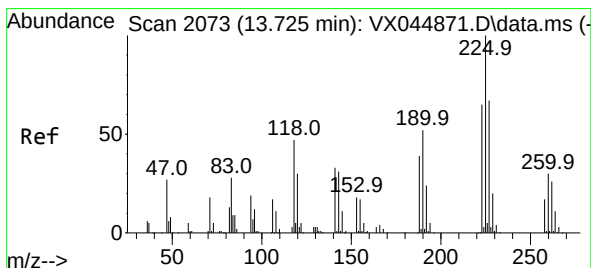
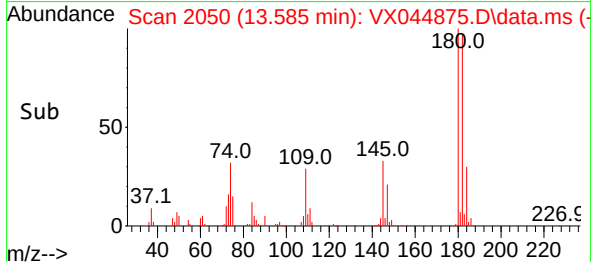
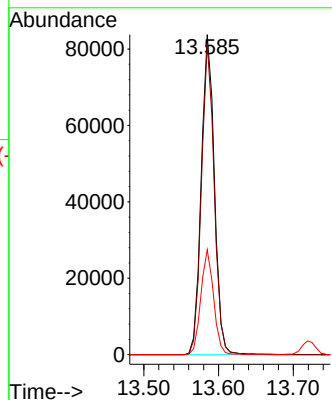
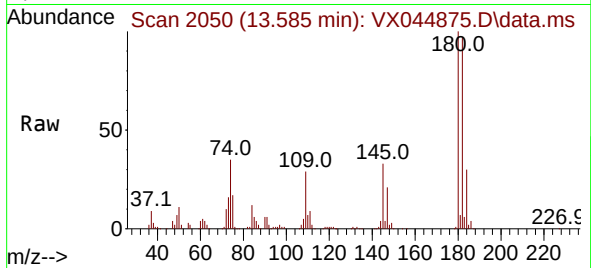




#93
1,2,4-Trichlorobenzene
Concen: 52.726 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

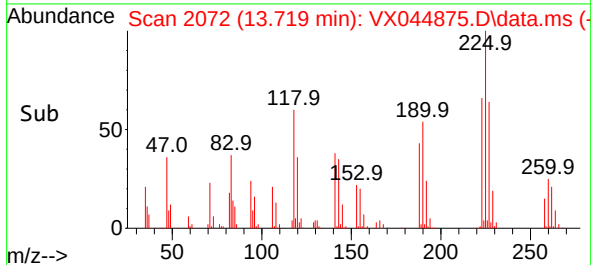
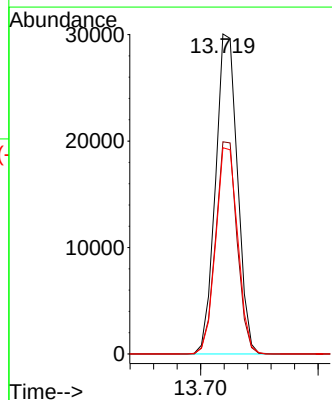
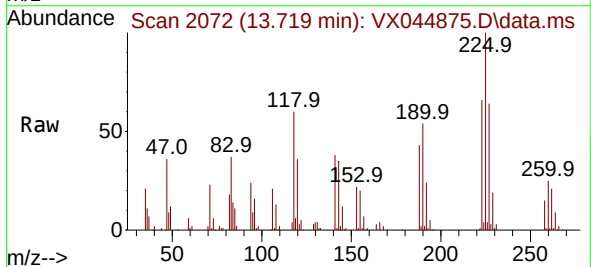
Instrument :
MSVOA_X
ClientSampleId :
ICVVX021025

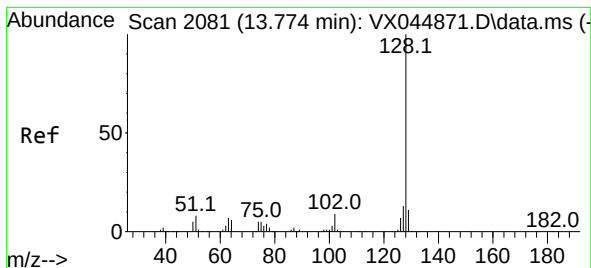
Tgt Ion:180 Resp: 102197
Ion Ratio Lower Upper
180 100
182 94.1 47.6 142.8
145 31.9 16.4 49.1



#94
Hexachlorobutadiene
Concen: 50.683 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX044875.D
Acq: 10 Feb 2025 13:15

Tgt Ion:225 Resp: 38998
Ion Ratio Lower Upper
225 100
223 64.9 31.4 94.2
227 64.8 32.3 96.8





#95

Naphthalene

Concen: 53.033 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

ICVVX021025

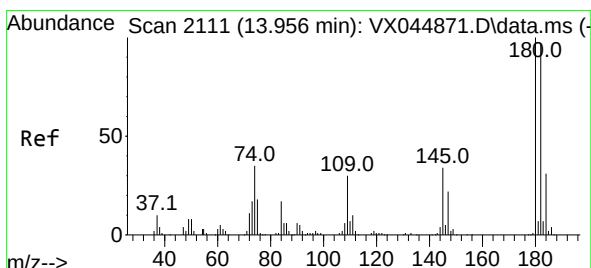
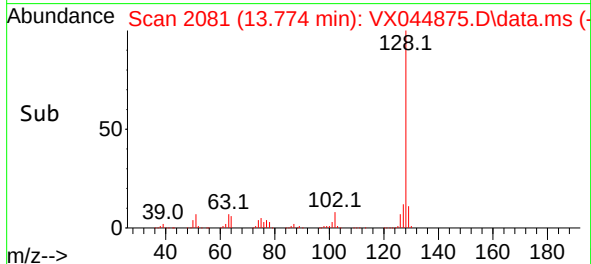
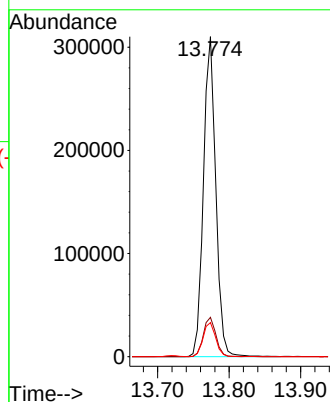
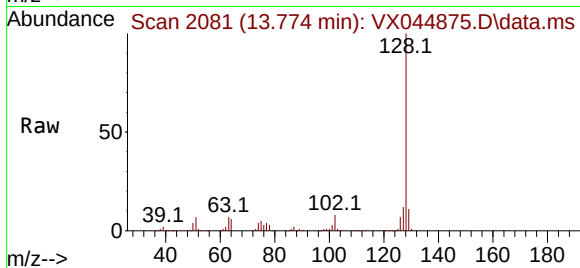
Tgt Ion:128 Resp: 371576

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

129 10.9 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 51.575 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX044875.D

Acq: 10 Feb 2025 13:15

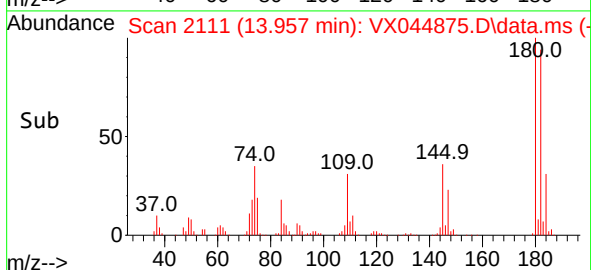
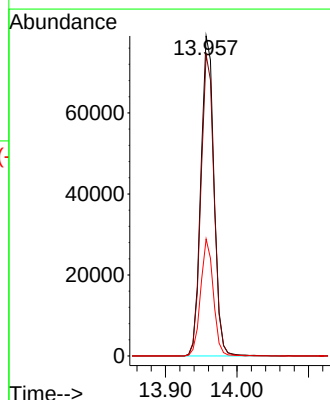
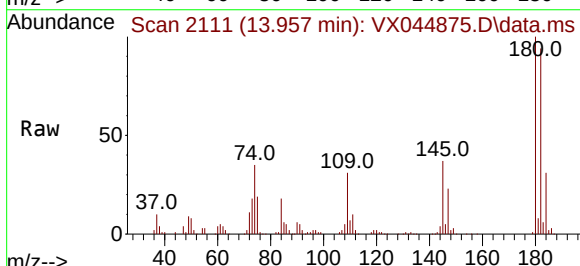
Tgt Ion:180 Resp: 100730

Ion Ratio Lower Upper

180 100

182 94.3 47.9 143.6

145 35.2 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
 Data File : VX045029.D
 Acq On : 25 Feb 2025 10:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 26 03:11:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	110252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	188741	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	166334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76720	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	81234	50.334	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.660%	
35) Dibromofluoromethane	5.379	113	65753	53.583	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.160%	
50) Toluene-d8	8.641	98	233128	50.240	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.480%	
62) 4-Bromofluorobenzene	11.079	95	84075	53.745	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.480%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	74727	48.325	ug/l	100
3) Chloromethane	1.301	50	82134	43.641	ug/l	99
4) Vinyl Chloride	1.374	62	80701	44.262	ug/l	100
5) Bromomethane	1.593	94	27748	50.858	ug/l	89
6) Chloroethane	1.660	64	38111	54.935	ug/l	99
7) Trichlorofluoromethane	1.868	101	113846	49.375	ug/l	98
8) Diethyl Ether	2.130	74	41033	49.070	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.313	101	68044	48.843	ug/l	98
10) Methyl Iodide	2.441	142	66987	37.102	ug/l	99
11) Tert butyl alcohol	2.983	59	72655	242.666	ug/l	100
12) 1,1-Dichloroethene	2.307	96	65333	45.975	ug/l	97
13) Acrolein	2.233	56	42659	138.096	ug/l	98
14) Allyl chloride	2.654	41	122413	47.664	ug/l	98
15) Acrylonitrile	3.062	53	212123	265.353	ug/l	99
16) Acetone	2.380	43	200478	308.999	ug/l	96
17) Carbon Disulfide	2.502	76	160258	41.125	ug/l	100
18) Methyl Acetate	2.703	43	120447	58.830	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	217452	48.094	ug/l	99
20) Methylene Chloride	2.782	84	74184	46.681	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	64190	45.895	ug/l	94
22) Diisopropyl ether	3.757	45	243471	50.110	ug/l	99
23) Vinyl Acetate	3.715	43	981588	247.805	ug/l	99
24) 1,1-Dichloroethane	3.599	63	131695	48.441	ug/l	99
25) 2-Butanone	4.550	43	299771	284.540	ug/l	95
26) 2,2-Dichloropropane	4.465	77	99566	46.181	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	79480	47.310	ug/l	99
28) Bromochloromethane	4.885	49	55002	42.098	ug/l	100
29) Tetrahydrofuran	5.001	42	189117	270.334	ug/l	98
30) Chloroform	5.080	83	129019	48.935	ug/l	100
31) Cyclohexane	5.458	56	112320	44.815	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	107913	48.255	ug/l	99
36) 1,1-Dichloropropene	5.678	75	86064	48.612	ug/l	99
37) Ethyl Acetate	4.709	43	106808	54.239	ug/l	99
38) Carbon Tetrachloride	5.666	117	90290	52.043	ug/l	99
39) Methylcyclohexane	7.373	83	114932	50.213	ug/l	98
40) Benzene	6.025	78	275311	49.801	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
 Data File : VX045029.D
 Acq On : 25 Feb 2025 10:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 26 03:11:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	61810	58.641	ug/l	97
42) 1,2-Dichloroethane	6.080	62	95145	54.001	ug/l	99
43) Isopropyl Acetate	6.336	43	174923	55.008	ug/l	98
44) Trichloroethene	7.117	130	63990	50.640	ug/l	100
45) 1,2-Dichloropropane	7.421	63	70881	51.537	ug/l	100
46) Dibromomethane	7.574	93	49809	52.221	ug/l	98
47) Bromodichloromethane	7.818	83	101512	54.965	ug/l	97
48) Methyl methacrylate	7.690	41	85683	57.145	ug/l	97
49) 1,4-Dioxane	7.659	88	35652	1108.259	ug/l	98
51) 4-Methyl-2-Pentanone	8.568	43	582884	301.506	ug/l	98
52) Toluene	8.714	92	166447	50.555	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	97264	52.043	ug/l	95
54) cis-1,3-Dichloropropene	8.360	75	108760	52.194	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	67253	53.137	ug/l	99
56) Ethyl methacrylate	9.110	69	110482	54.048	ug/l	97
57) 1,3-Dichloropropane	9.305	76	115405	52.114	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	283740	282.696	ug/l	100
59) 2-Hexanone	9.427	43	432517	310.511	ug/l	97
60) Dibromochloromethane	9.519	129	74430	54.989	ug/l	100
61) 1,2-Dibromoethane	9.604	107	68951	53.751	ug/l	97
64) Tetrachloroethene	9.269	164	52979	50.505	ug/l	97
65) Chlorobenzene	10.073	112	182394	51.053	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	60454	52.573	ug/l	99
67) Ethyl Benzene	10.189	91	320501	50.837	ug/l	100
68) m/p-Xylenes	10.299	106	239374	102.928	ug/l	99
69) o-Xylene	10.640	106	119076	51.027	ug/l	98
70) Styrene	10.653	104	199603	53.091	ug/l	98
71) Bromoform	10.799	173	49483	57.661	ug/l #	100
73) Isopropylbenzene	10.957	105	306035	49.541	ug/l	100
74) N-amyl acetate	10.842	43	147566	52.789	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	107060	50.435	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	115468	67.883	ug/l	83
77) Bromobenzene	11.195	156	71839	51.295	ug/l	97
78) n-propylbenzene	11.299	91	358862	50.330	ug/l	100
79) 2-Chlorotoluene	11.360	91	216519	49.409	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	253369	50.543	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	31017	46.906	ug/l	92
82) 4-Chlorotoluene	11.451	91	243811	50.290	ug/l	99
83) tert-Butylbenzene	11.713	119	257768	50.829	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	255246	51.588	ug/l	99
85) sec-Butylbenzene	11.890	105	322972	51.431	ug/l	100
86) p-Isopropyltoluene	12.006	119	265185	52.511	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	130550	50.690	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	130623	50.162	ug/l	99
89) n-Butylbenzene	12.329	91	241837	54.129	ug/l	100
90) Hexachloroethane	12.536	117	47494	50.227	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	131390	51.908	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21216	54.762	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	82426	53.815	ug/l	99
94) Hexachlorobutadiene	13.725	225	33272	54.720	ug/l	98
95) Naphthalene	13.774	128	297344	53.704	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	83085	53.834	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045029.D
Acq On : 25 Feb 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

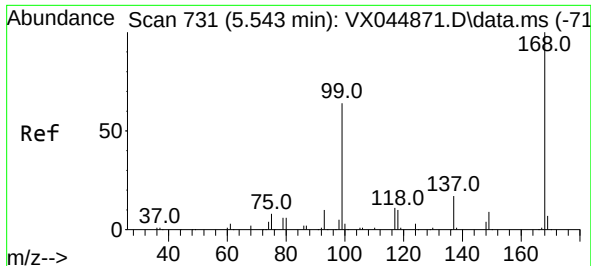
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Feb 26 03:11:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

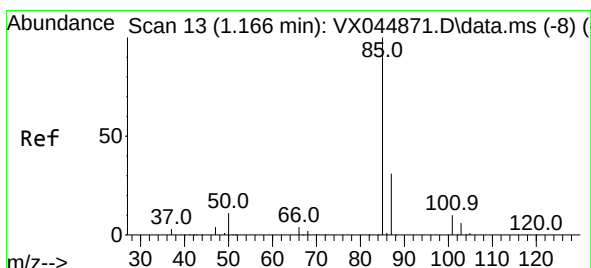
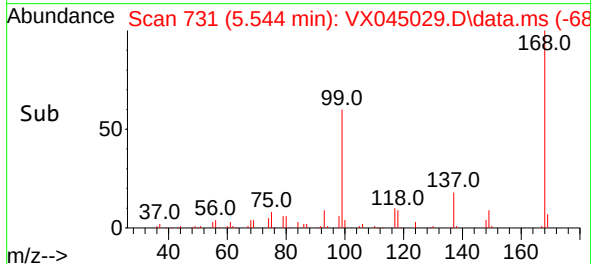
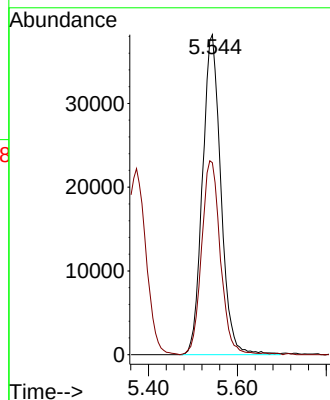
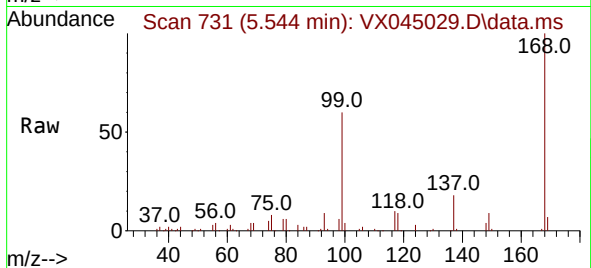
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

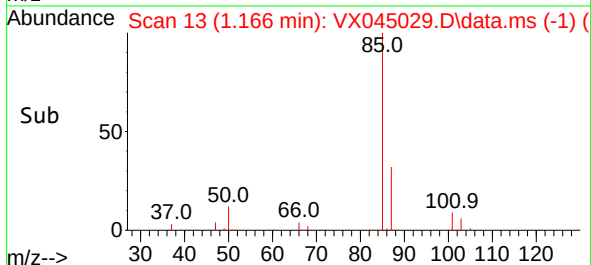
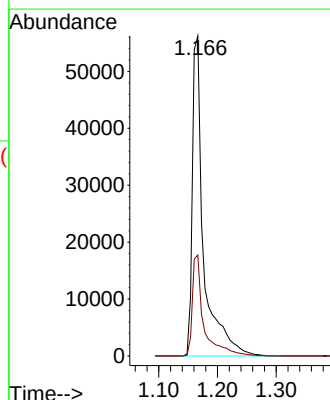
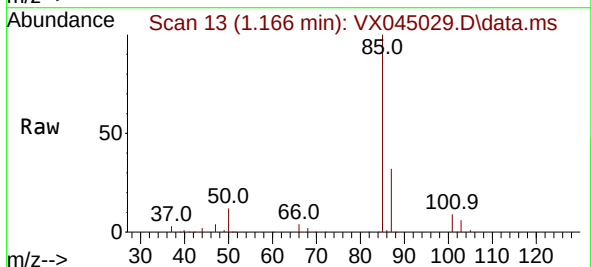
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

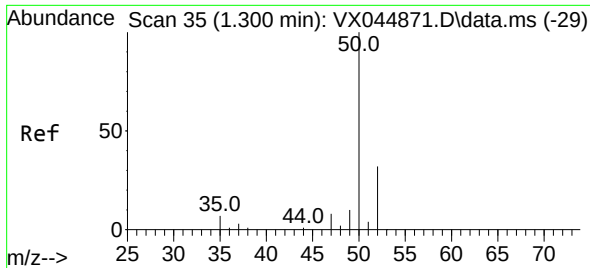
Tgt Ion:168 Resp: 110252
Ion Ratio Lower Upper
168 100
99 60.0 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 48.325 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 85 Resp: 74727
Ion Ratio Lower Upper
85 100
87 31.5 15.8 47.3

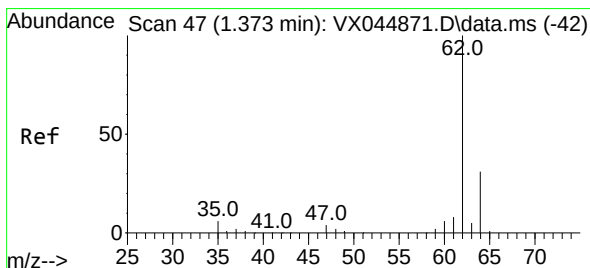
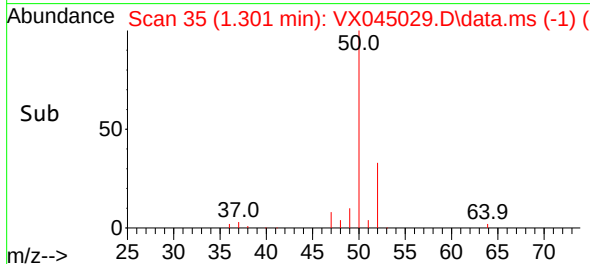
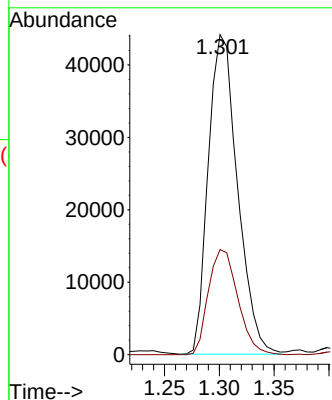
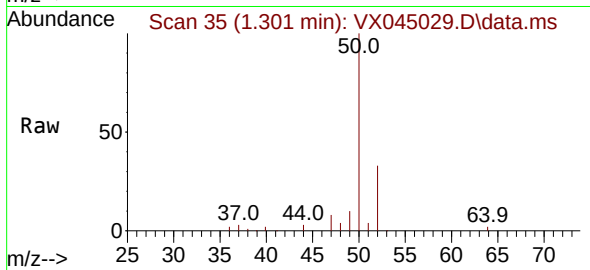




#3
Chloromethane
Concen: 43.641 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

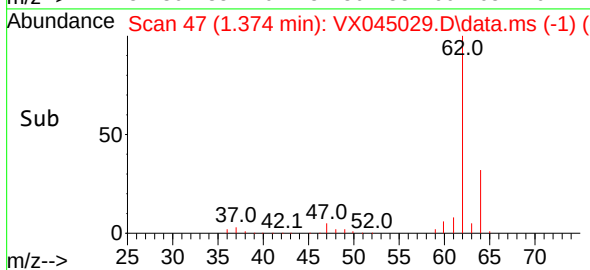
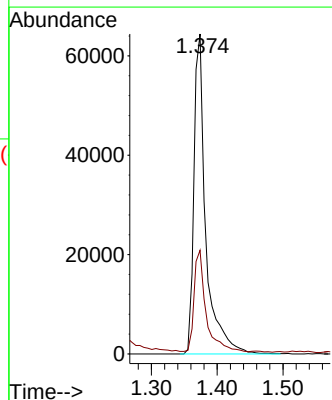
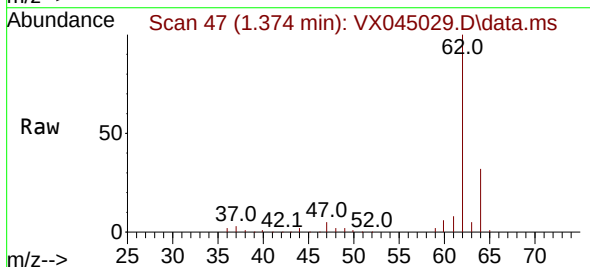
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ClientSampleId :
VSTDCCC050

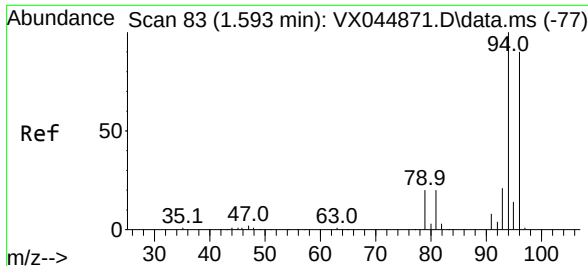
Tgt Ion: 50 Resp: 82134
Ion Ratio Lower Upper
50 100
52 32.9 25.9 38.9



#4
Vinyl Chloride
Concen: 44.262 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 62 Resp: 80701
Ion Ratio Lower Upper
62 100
64 31.7 25.4 38.0

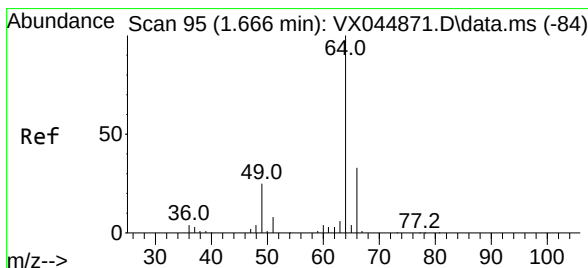
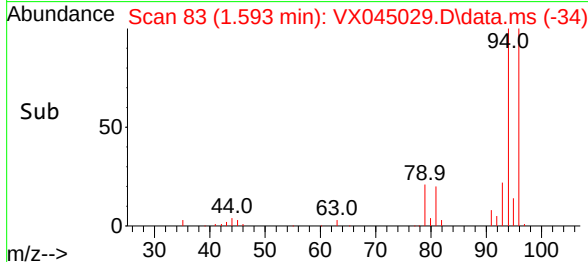
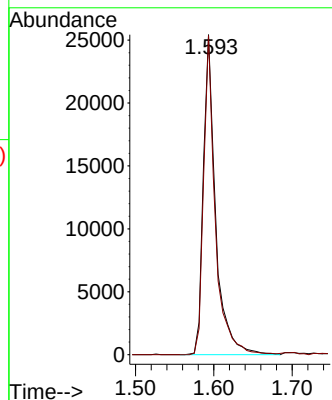
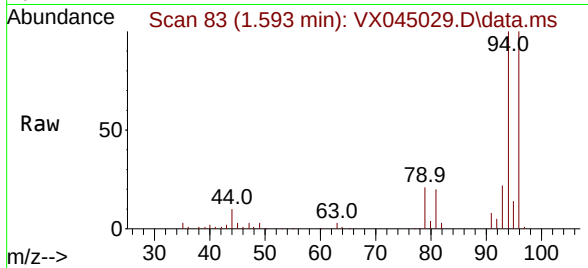




#5
Bromomethane
Concen: 50.858 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

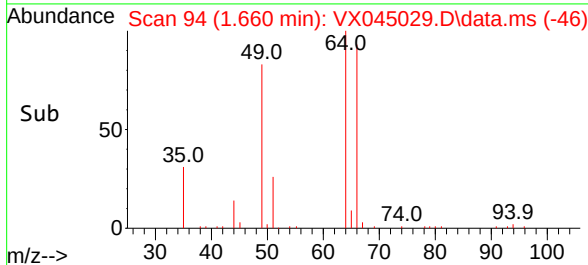
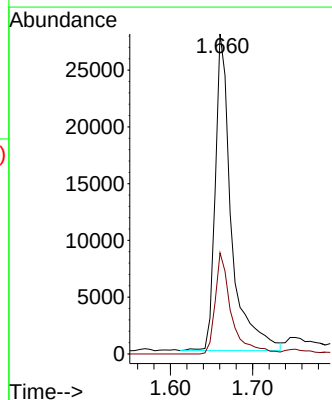
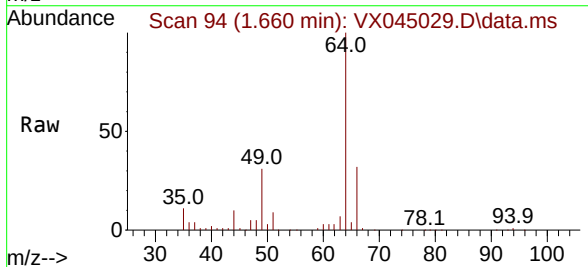
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ClientSampleId :
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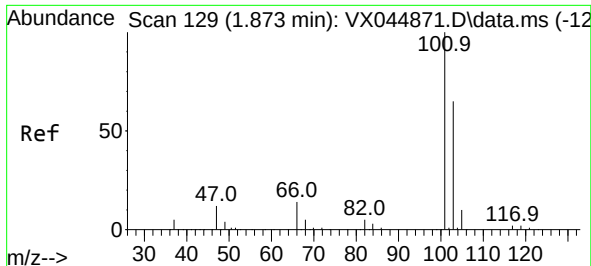
Tgt Ion: 94 Resp: 27748
Ion Ratio Lower Upper
94 100
96 99.7 71.6 107.4



#6
Chloroethane
Concen: 54.935 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 64 Resp: 38111
Ion Ratio Lower Upper
64 100
66 31.9 25.9 38.9

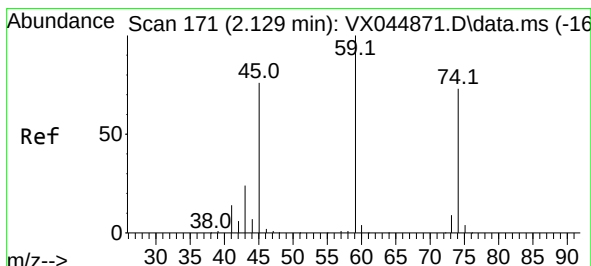
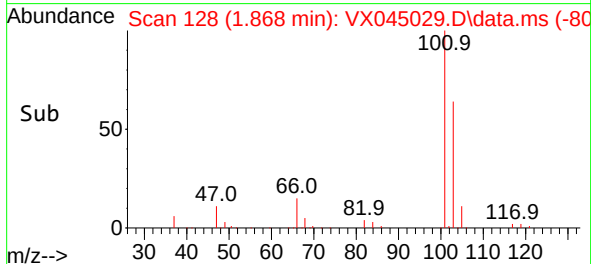
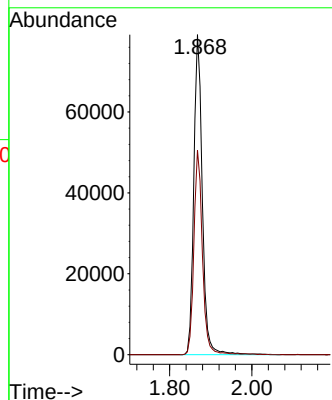
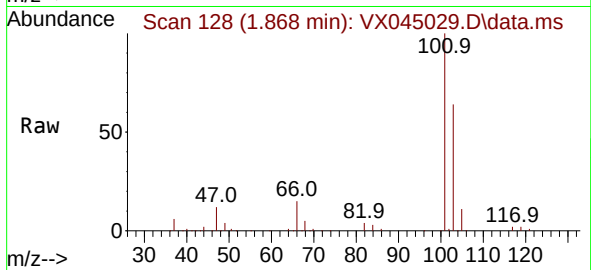




#7
 Trichlorofluoromethane
 Concen: 49.375 ug/l
 RT: 1.868 min Scan# 11
 Delta R.T. -0.005 min
 Lab File: VX045029.D
 Acq: 25 Feb 2025 10:00

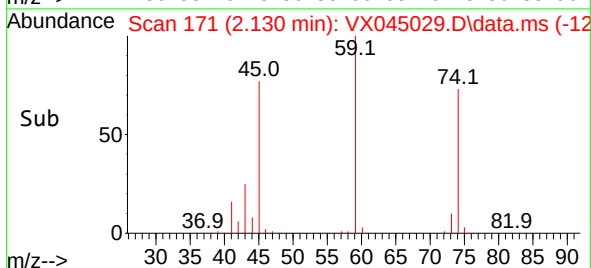
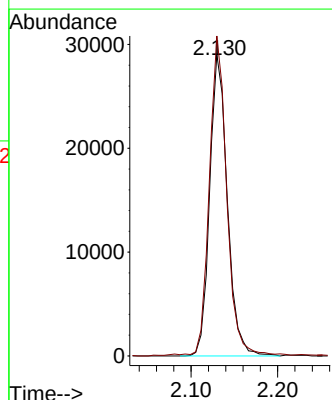
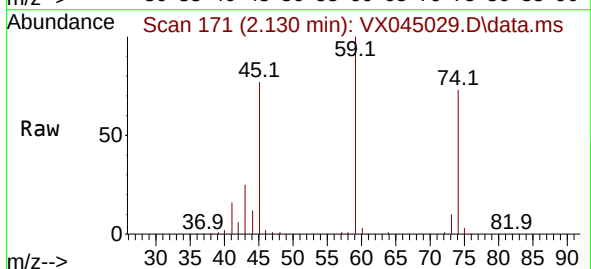
Instrument :
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 ClientSampleId :
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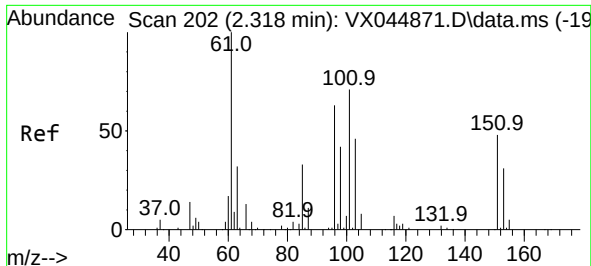
Tgt Ion:101 Resp: 113846
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.4 78.6



#8
 Diethyl Ether
 Concen: 49.070 ug/l
 RT: 2.130 min Scan# 171
 Delta R.T. 0.001 min
 Lab File: VX045029.D
 Acq: 25 Feb 2025 10:00

Tgt Ion: 74 Resp: 41033
 Ion Ratio Lower Upper
 74 100
 45 103.9 51.1 153.4

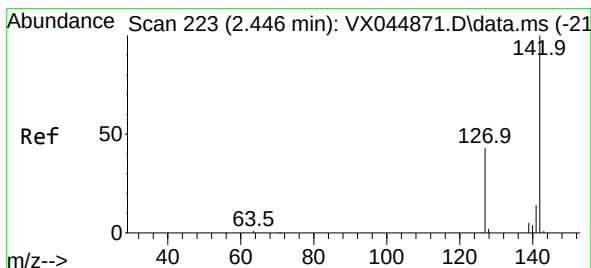
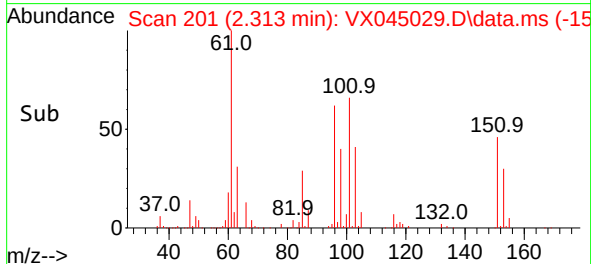
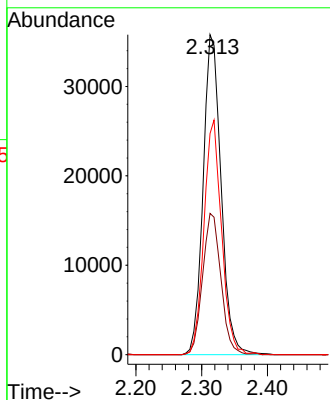
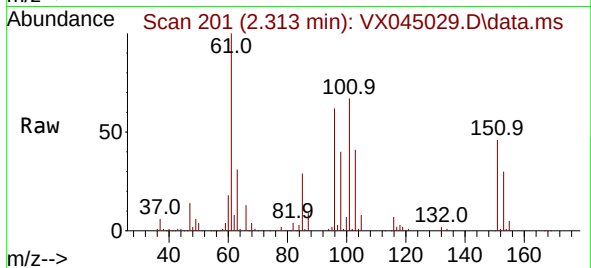




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.843 ug/l
RT: 2.313 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

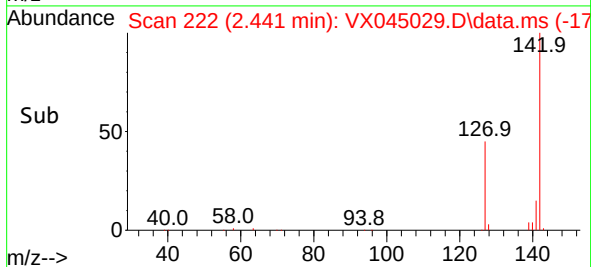
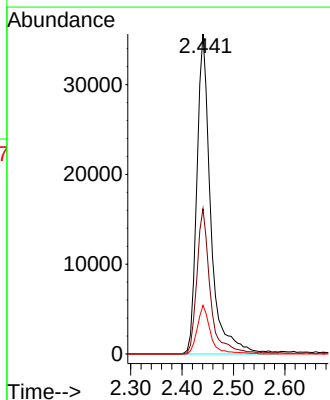
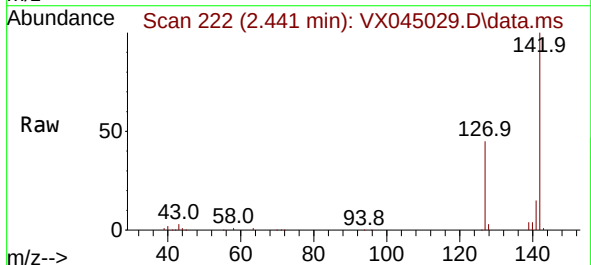
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ClientSampleId :
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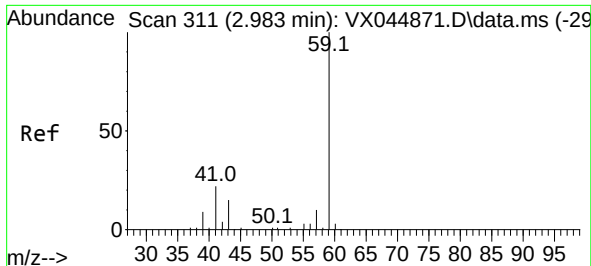
Tgt Ion:101 Resp: 68044
Ion Ratio Lower Upper
101 100
85 44.9 35.7 53.5
151 71.8 56.0 84.0



#10
Methyl Iodide
Concen: 37.102 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:142 Resp: 66987
Ion Ratio Lower Upper
142 100
127 44.0 34.3 51.5
141 14.4 11.4 17.2

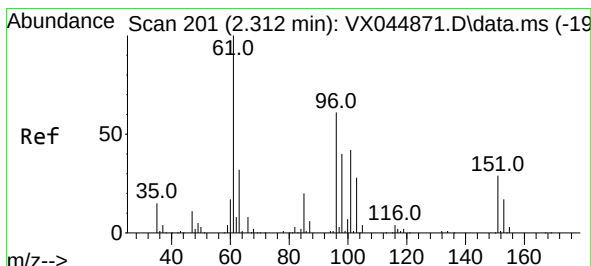
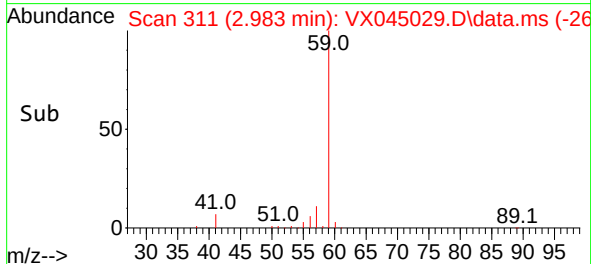
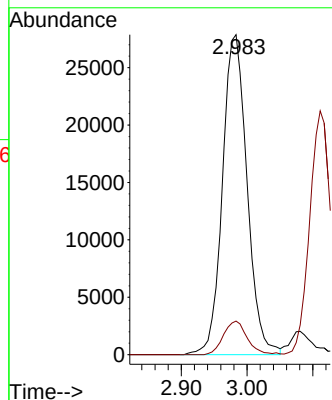
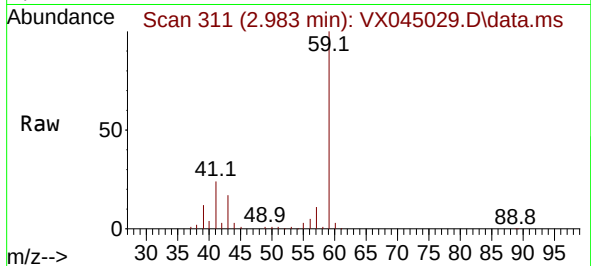




#11
Tert butyl alcohol
Concen: 242.666 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

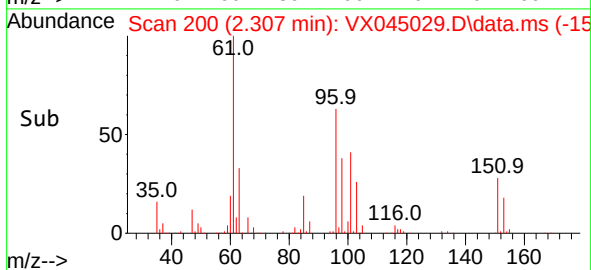
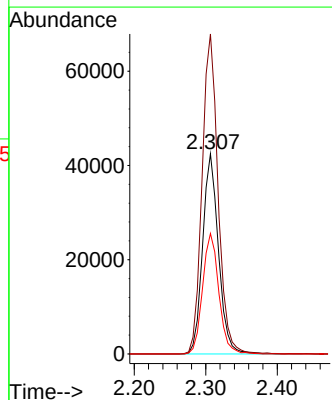
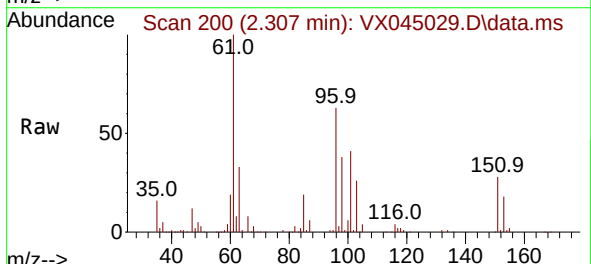
Instrument :
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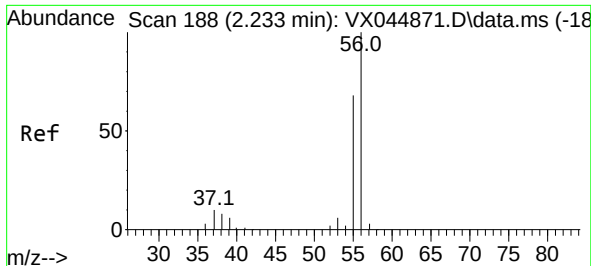
Tgt Ion: 59 Resp: 72655
Ion Ratio Lower Upper
59 100
57 10.2 8.1 12.1



#12
1,1-Dichloroethene
Concen: 45.975 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 96 Resp: 65333
Ion Ratio Lower Upper
96 100
61 159.8 130.2 195.4
98 60.2 52.2 78.4

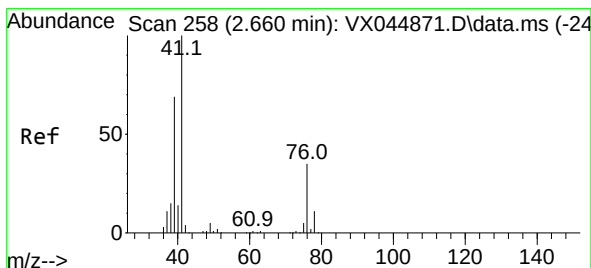
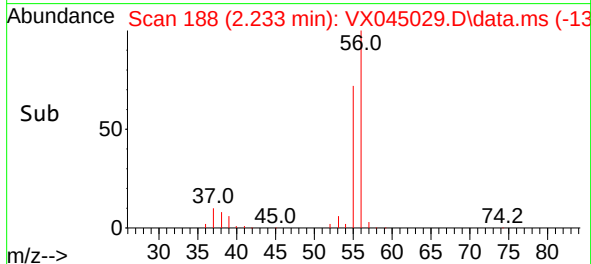
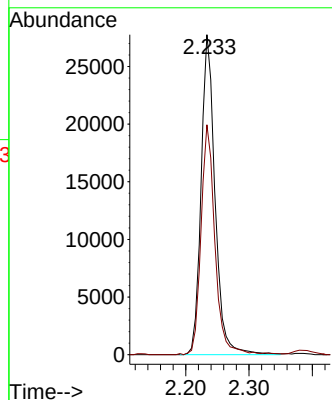
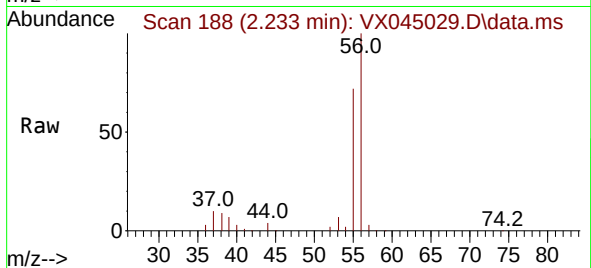




#13
Acrolein
Concen: 138.096 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

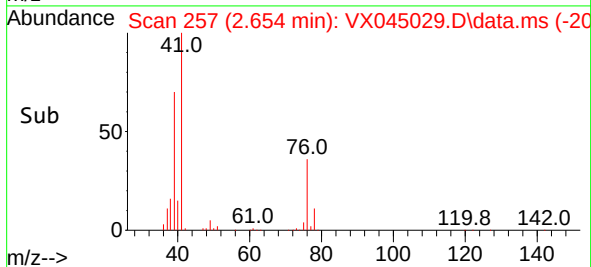
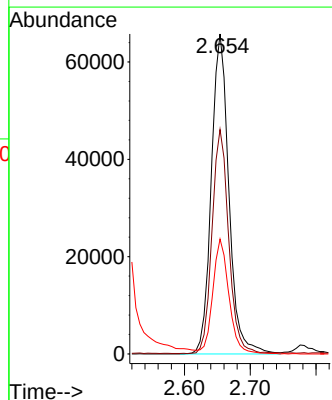
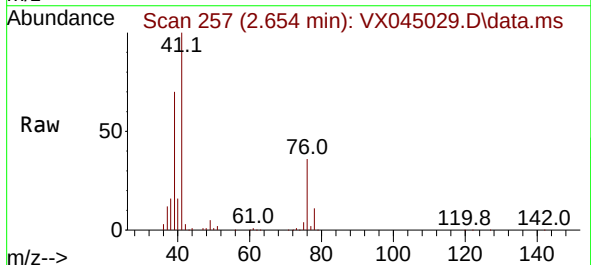
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ClientSampleId :
VSTDCCC050

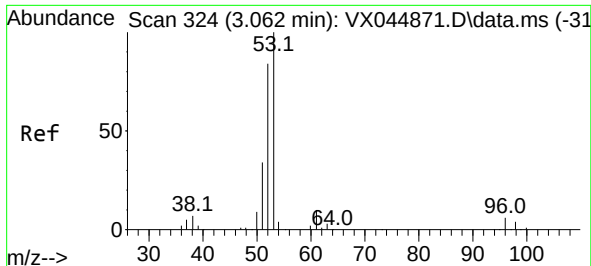
Tgt Ion: 56 Resp: 42659
Ion Ratio Lower Upper
56 100
55 71.6 55.7 83.5



#14
Allyl chloride
Concen: 47.664 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 41 Resp: 122413
Ion Ratio Lower Upper
41 100
39 66.3 51.4 77.2
76 33.1 27.0 40.4

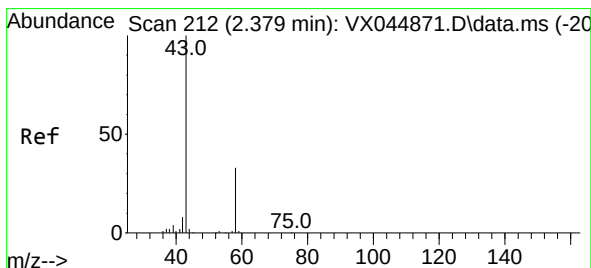
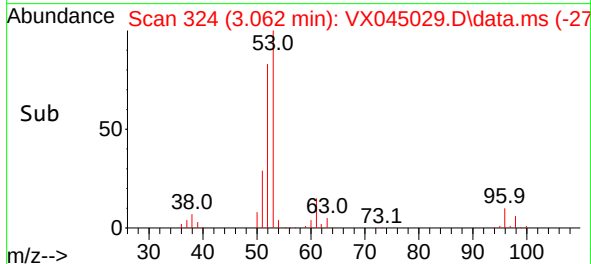
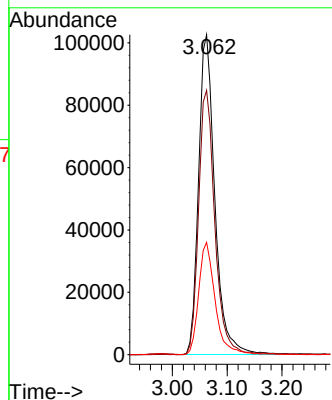
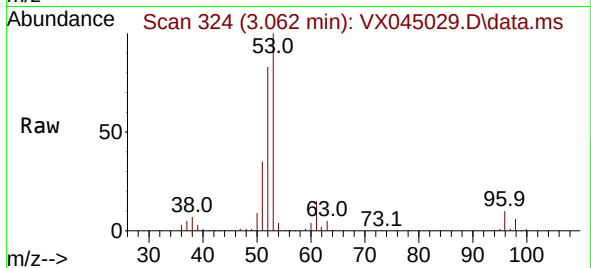




#15
Acrylonitrile
Concen: 265.353 ug/l
RT: 3.062 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

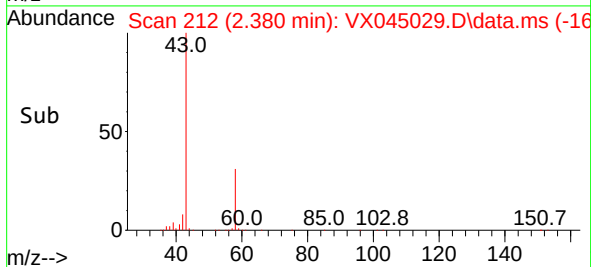
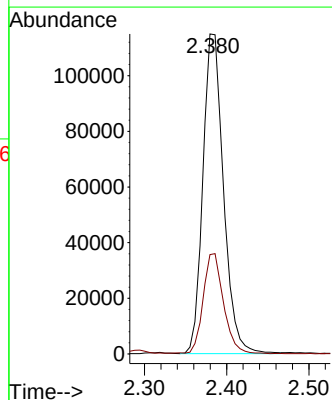
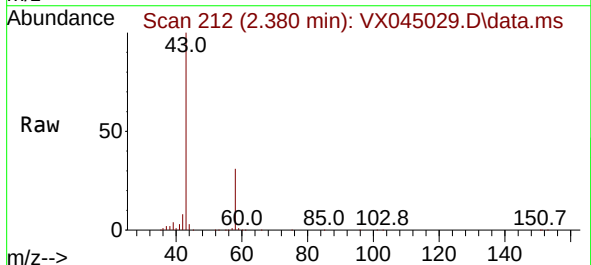
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

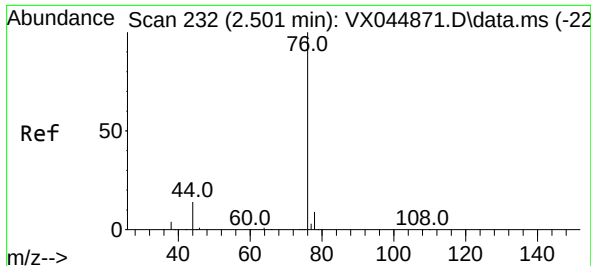
Tgt Ion:	53	Resp:	212123
Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.0	97.6
51	35.5	28.0	42.0



#16
Acetone
Concen: 308.999 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:	43	Resp:	200478
Ion	Ratio	Lower	Upper
43	100		
58	30.9	26.5	39.7

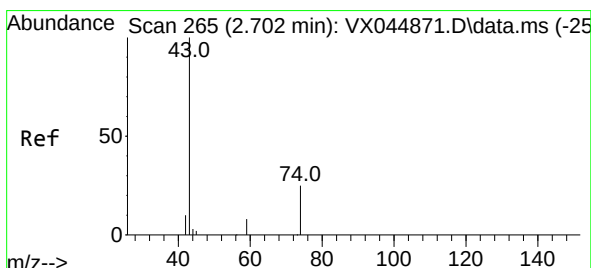
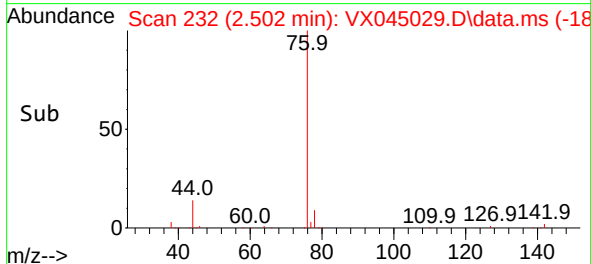
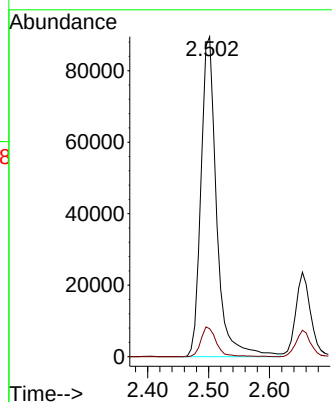
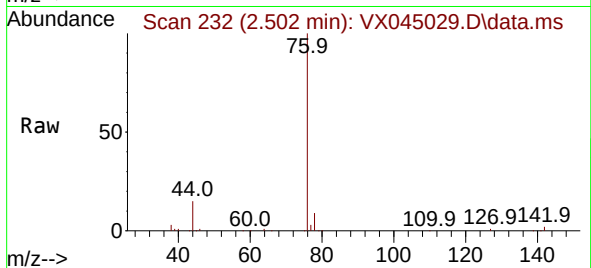




#17
Carbon Disulfide
Concen: 41.125 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

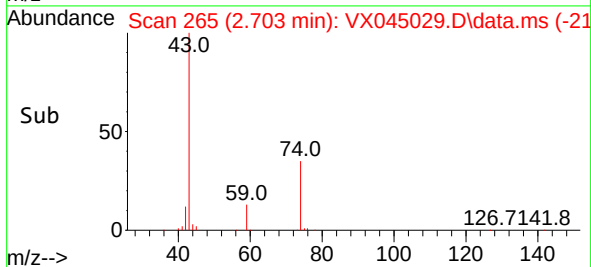
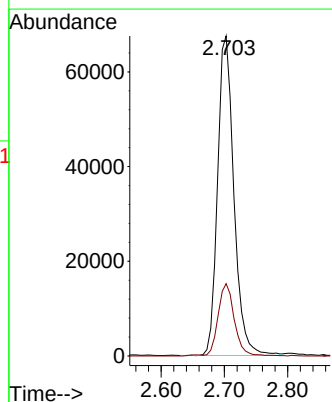
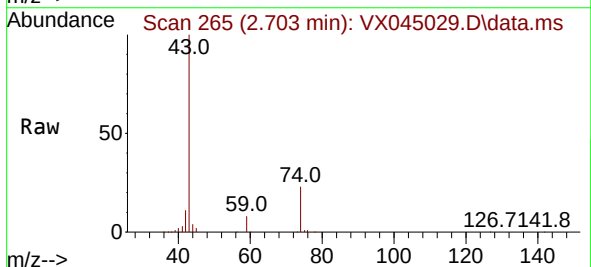
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

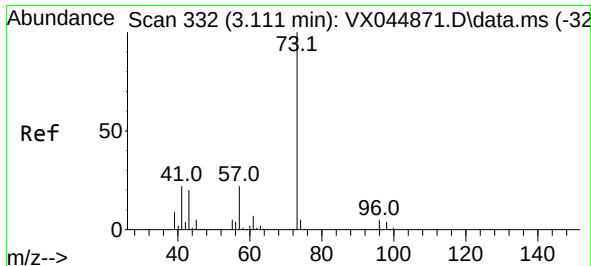
Tgt Ion: 76 Resp: 160258
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4



#18
Methyl Acetate
Concen: 58.830 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 120447
Ion Ratio Lower Upper
43 100
74 22.5 18.9 28.3

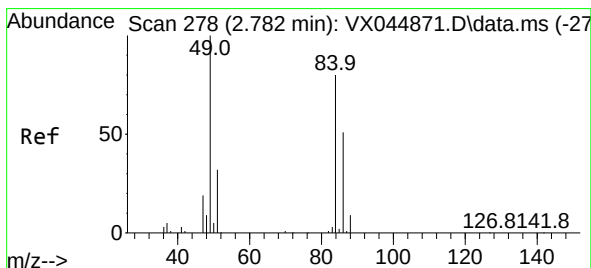
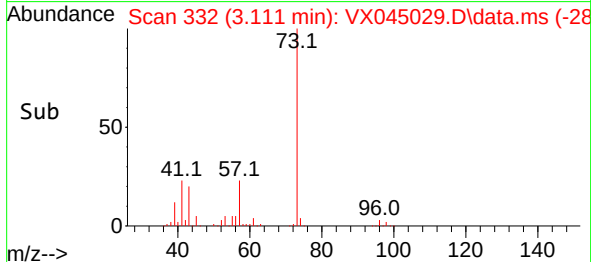
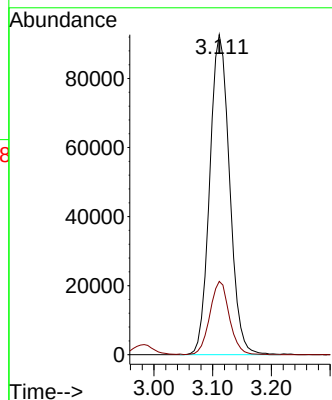
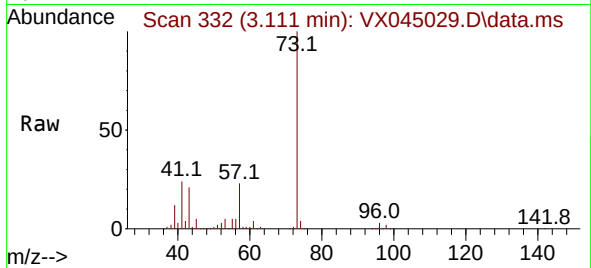




#19
Methyl tert-butyl Ether
Concen: 48.094 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

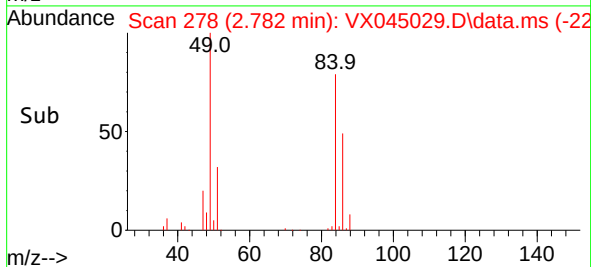
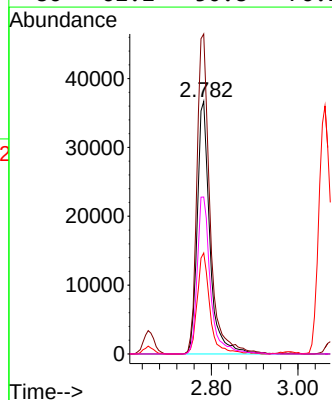
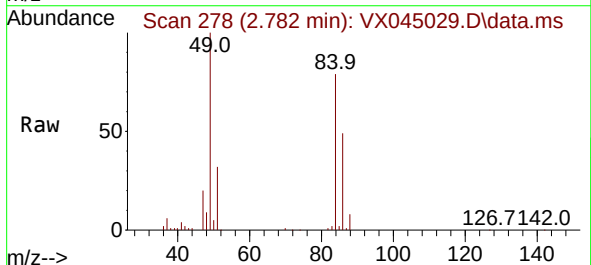
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

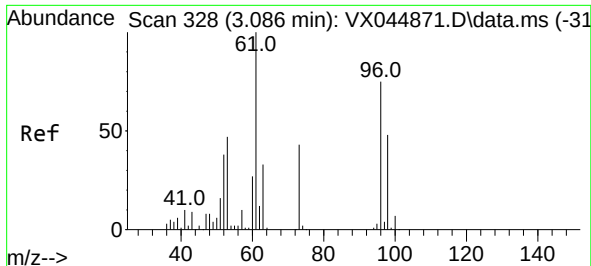
Tgt Ion: 73 Resp: 217452
Ion Ratio Lower Upper
73 100
57 22.9 17.9 26.9



#20
Methylene Chloride
Concen: 46.681 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 84 Resp: 74184
Ion Ratio Lower Upper
84 100
49 126.8 100.1 150.1
51 40.0 31.7 47.5
86 62.2 50.8 76.2

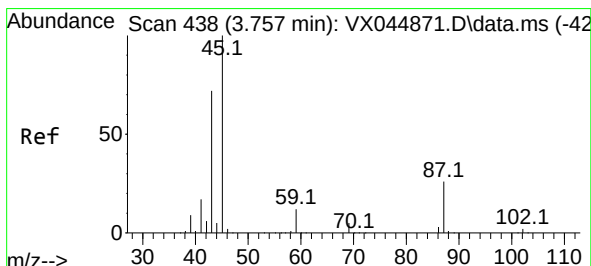
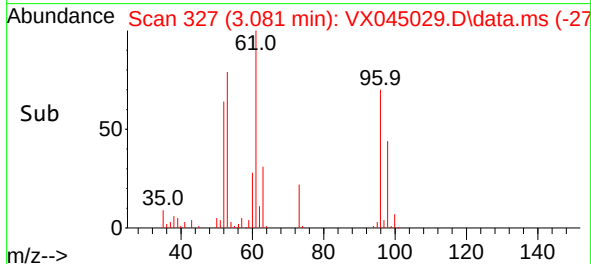
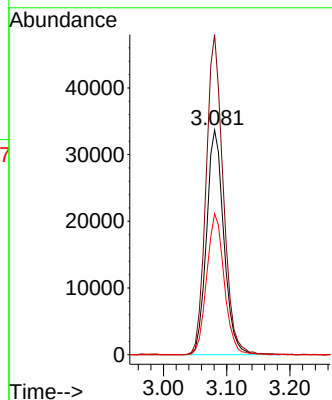
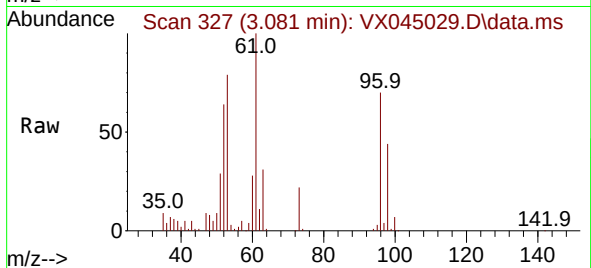




#21
trans-1,2-Dichloroethene
Concen: 45.895 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

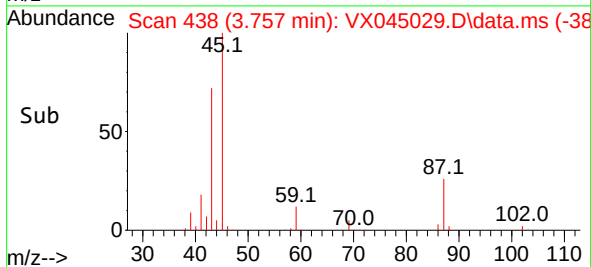
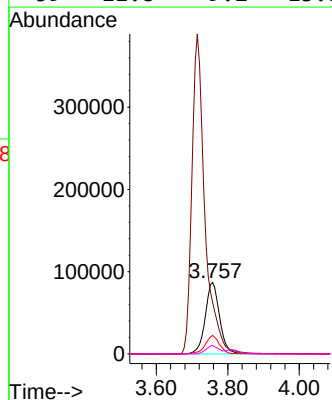
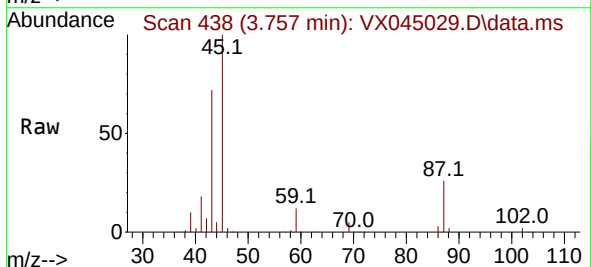
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

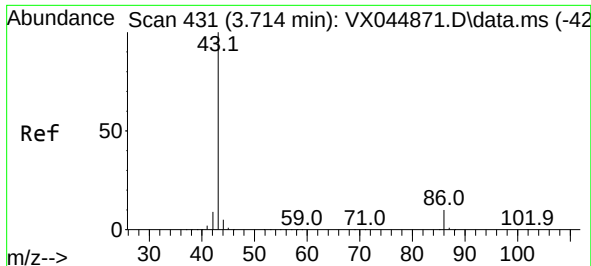
Tgt Ion: 96 Resp: 64190
Ion Ratio Lower Upper
96 100
61 142.3 106.0 159.0
98 62.7 50.6 76.0



#22
Diisopropyl ether
Concen: 50.110 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 45 Resp: 243471
Ion Ratio Lower Upper
45 100
43 71.9 58.0 87.0
87 26.0 20.7 31.1
59 11.8 9.2 13.8

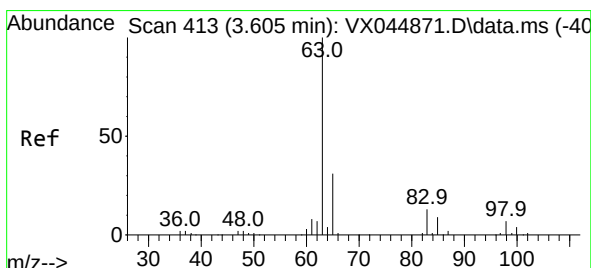
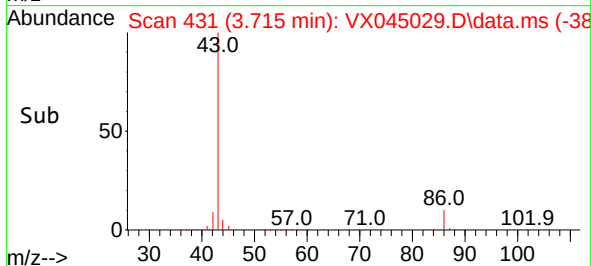
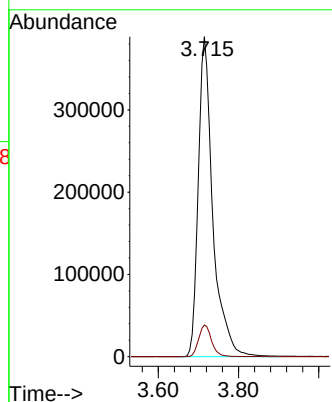
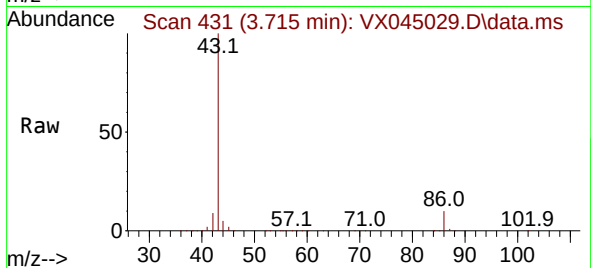




#23
 Vinyl Acetate
 Concen: 247.805 ug/l
 RT: 3.715 min Scan# 411
 Delta R.T. 0.000 min
 Lab File: VX045029.D
 Acq: 25 Feb 2025 10:00

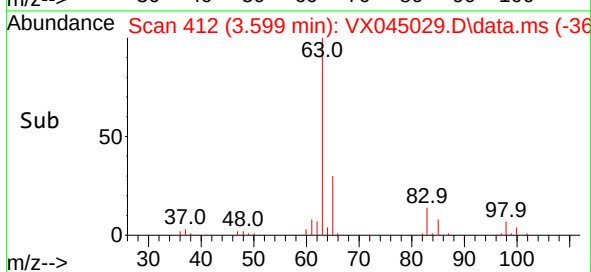
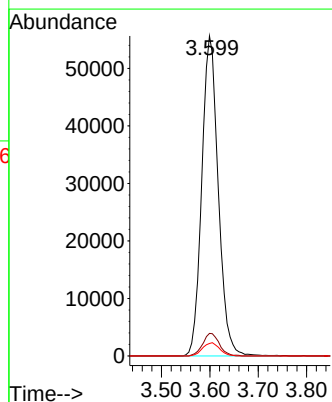
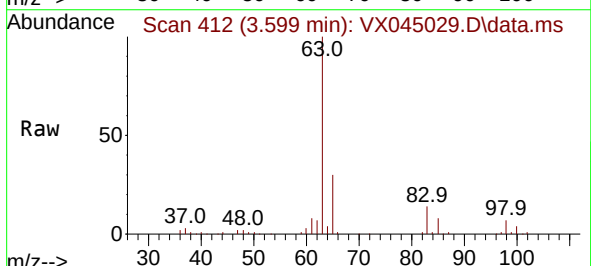
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

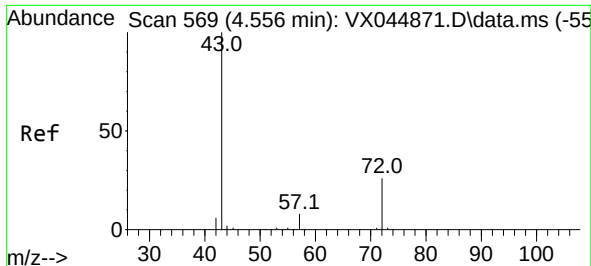
Tgt Ion: 43 Resp: 981588
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 48.441 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. -0.006 min
 Lab File: VX045029.D
 Acq: 25 Feb 2025 10:00

Tgt Ion: 63 Resp: 131695
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.3 9.9
 100 3.9 2.1 6.5

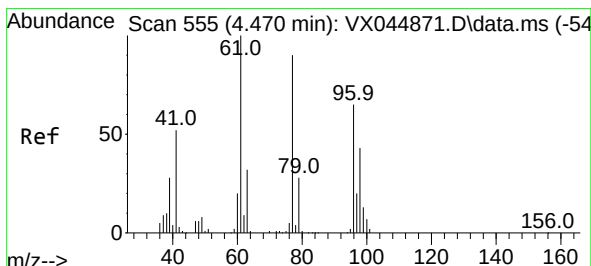
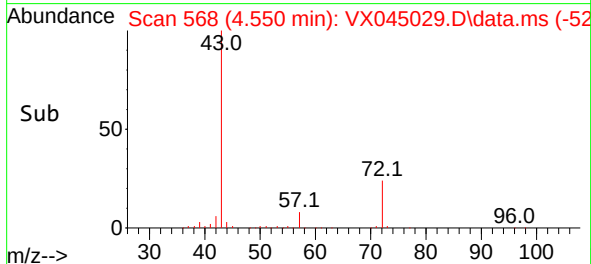
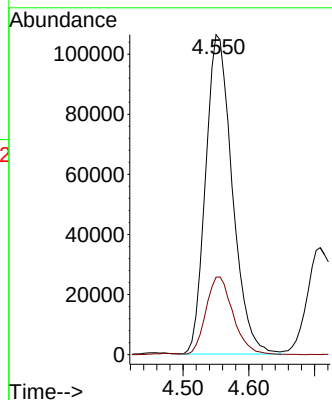
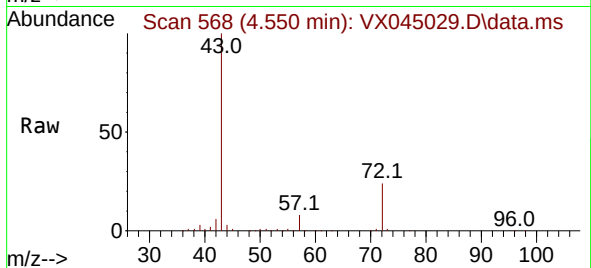




#25
2-Butanone
Concen: 284.540 ug/l
RT: 4.550 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

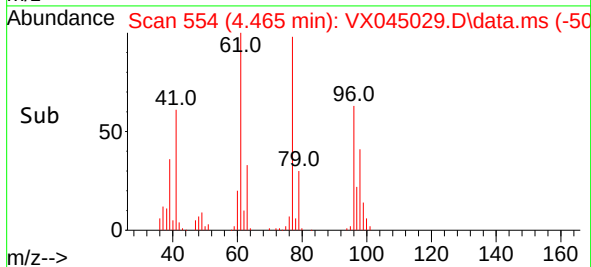
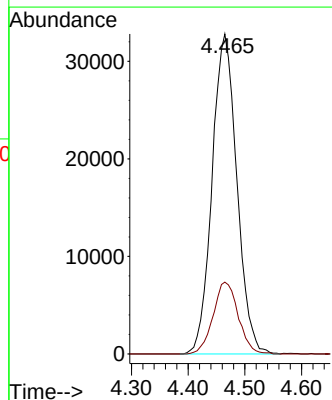
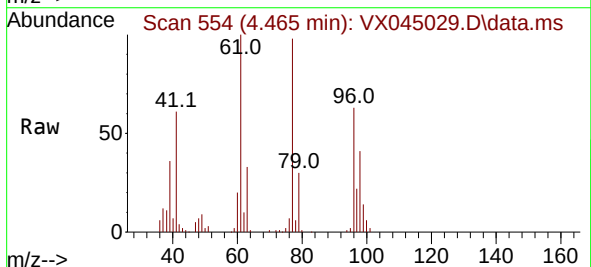
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

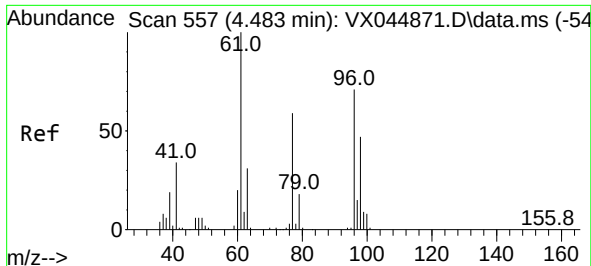
Tgt Ion: 43 Resp: 299771
Ion Ratio Lower Upper
43 100
72 24.1 21.2 31.8



#26
2,2-Dichloropropane
Concen: 46.181 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 77 Resp: 99566
Ion Ratio Lower Upper
77 100
97 22.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 47.310 ug/l

RT: 4.477 min Scan# 556

Delta R.T. -0.006 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

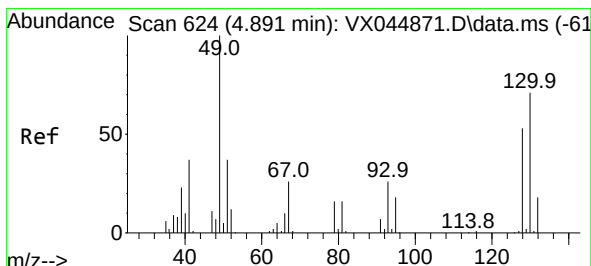
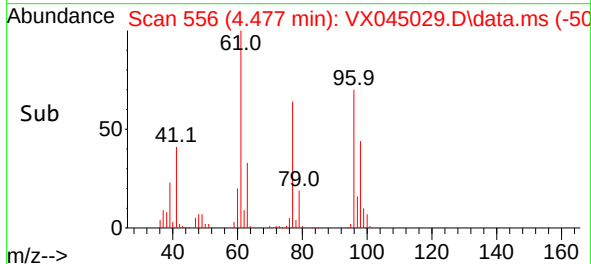
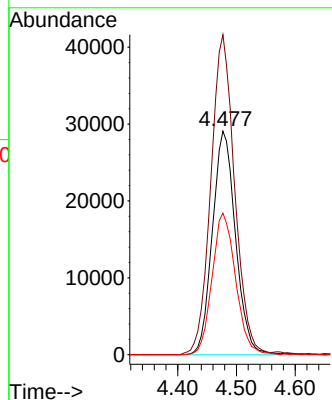
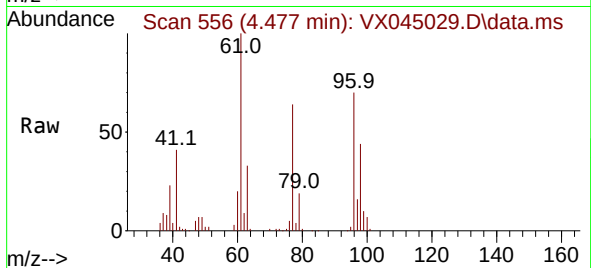
Tgt Ion: 96 Resp: 79480

Ion Ratio Lower Upper

96 100

61 147.0 0.0 294.0

98 64.2 0.0 131.2



#28

Bromochloromethane

Concen: 42.098 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.006 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

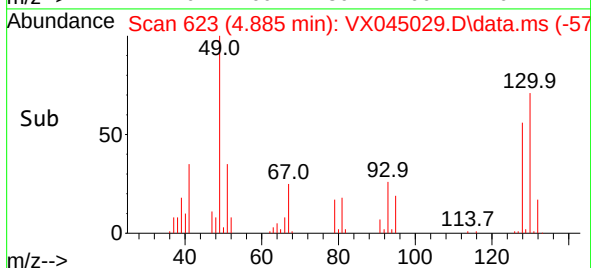
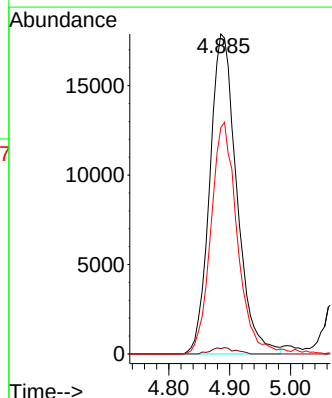
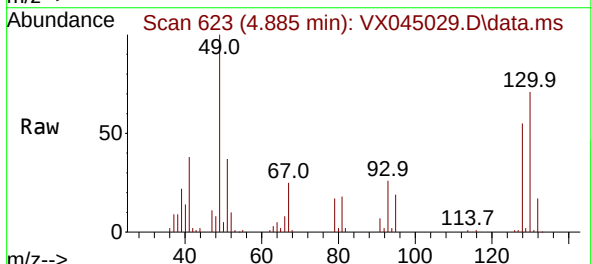
Tgt Ion: 49 Resp: 55002

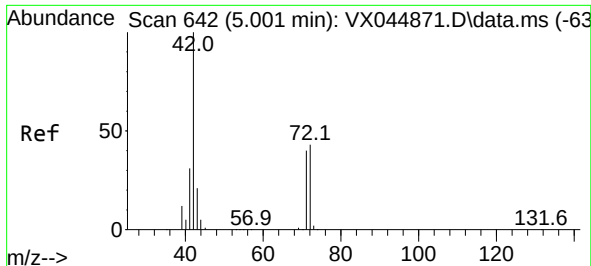
Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.6

130 70.9 56.7 85.1





#29

Tetrahydrofuran

Concen: 270.334 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

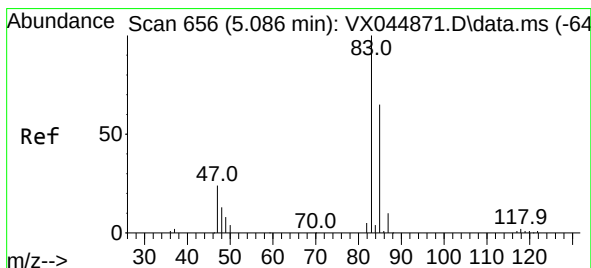
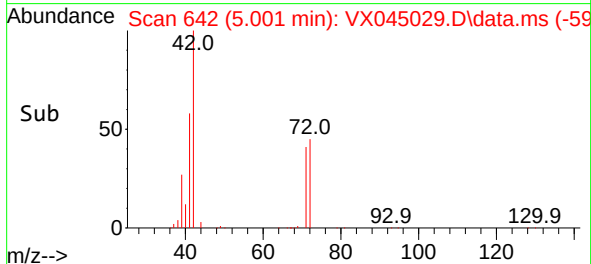
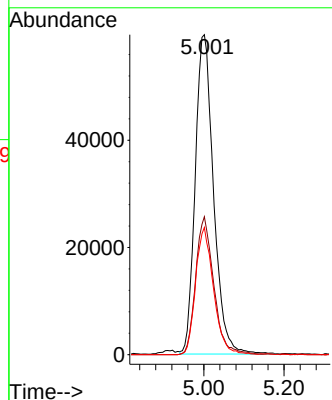
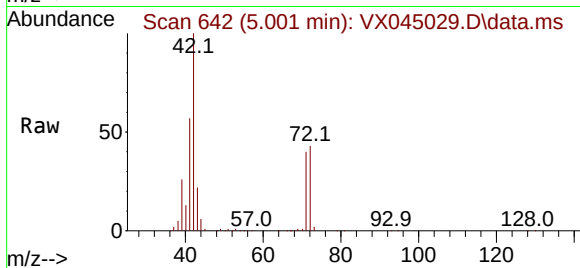
Tgt Ion: 42 Resp: 189117

Ion Ratio Lower Upper

42 100

72 42.7 35.0 52.4

71 39.0 32.6 48.8



#30

Chloroform

Concen: 48.935 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.006 min

Lab File: VX045029.D

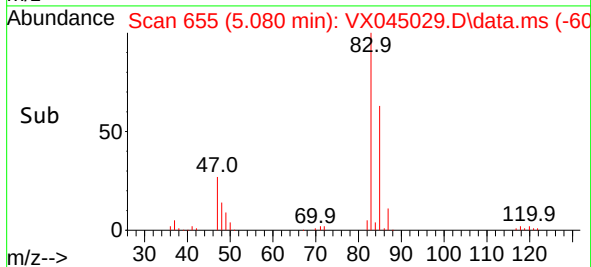
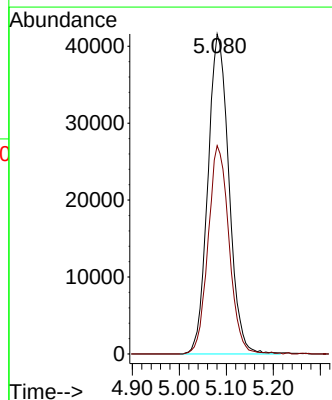
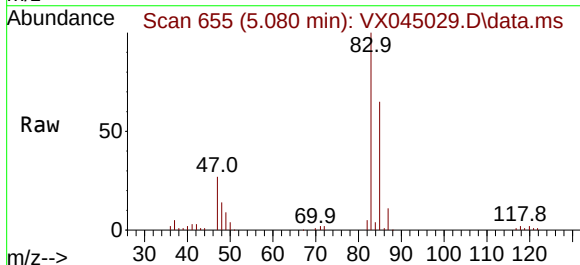
Acq: 25 Feb 2025 10:00

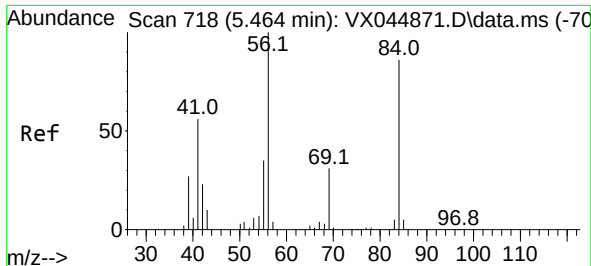
Tgt Ion: 83 Resp: 129019

Ion Ratio Lower Upper

83 100

85 65.1 52.1 78.1

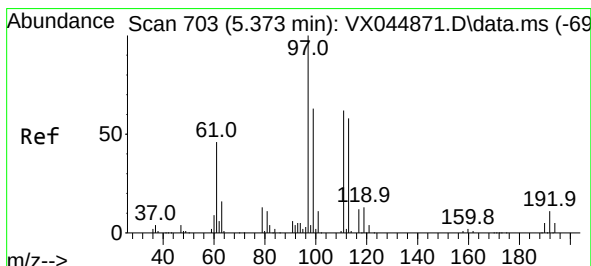
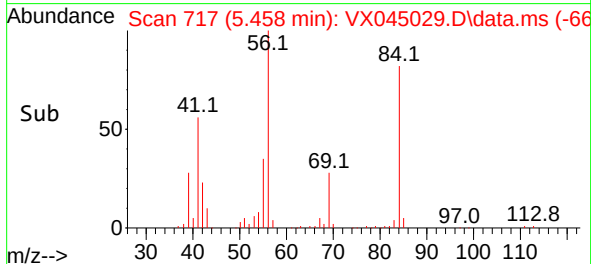
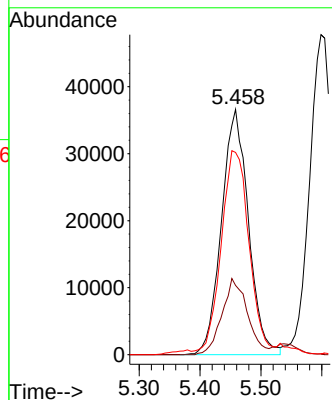
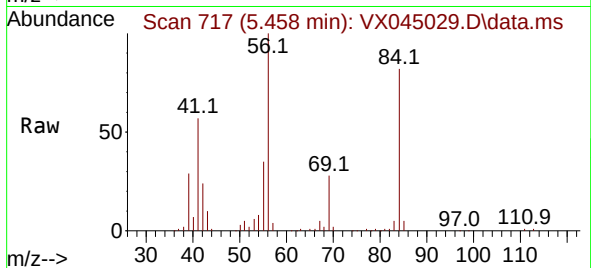




#31
Cyclohexane
Concen: 44.815 ug/l
RT: 5.458 min Scan# 718
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

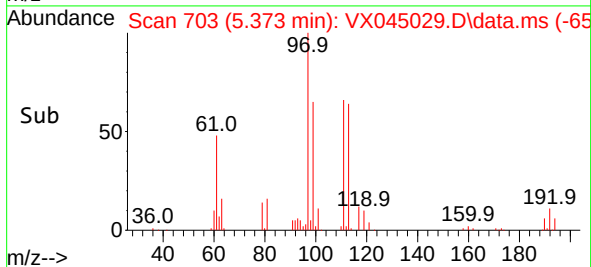
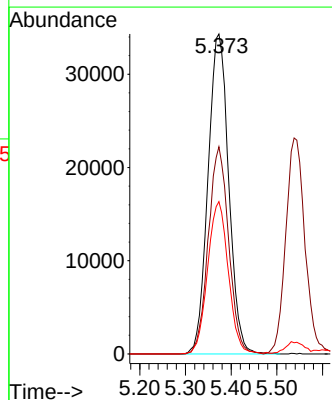
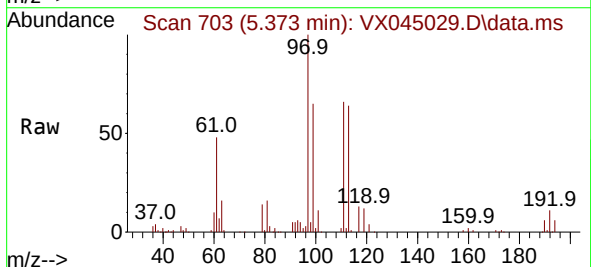
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

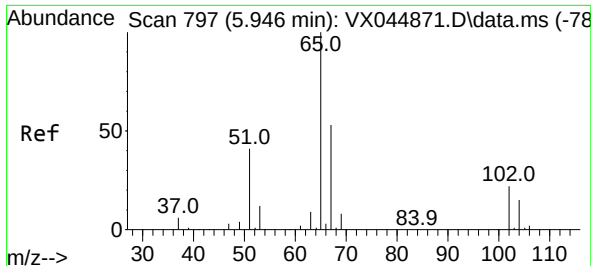
Tgt Ion: 56 Resp: 112320
Ion Ratio Lower Upper
56 100
69 28.2 24.4 36.6
84 80.8 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 48.255 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 97 Resp: 107913
Ion Ratio Lower Upper
97 100
99 63.7 51.0 76.6
61 47.7 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 50.334 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

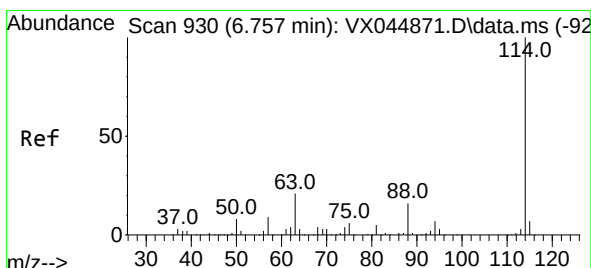
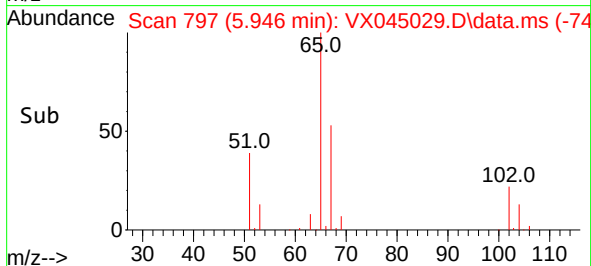
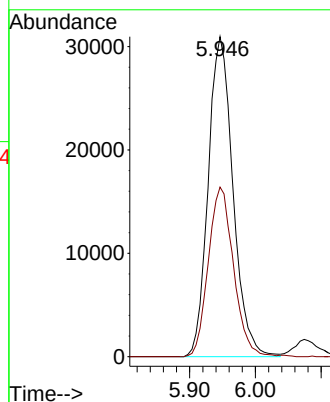
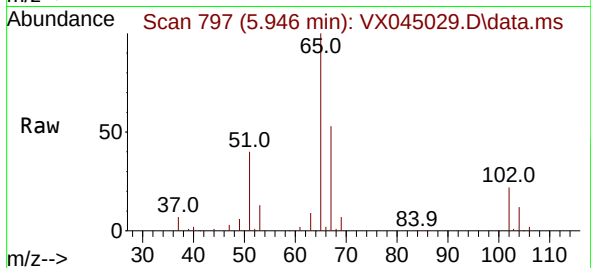
VSTDCCC050

Tgt Ion: 65 Resp: 81234

Ion Ratio Lower Upper

65 100

67 54.0 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

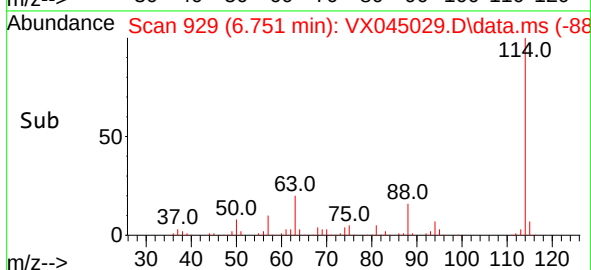
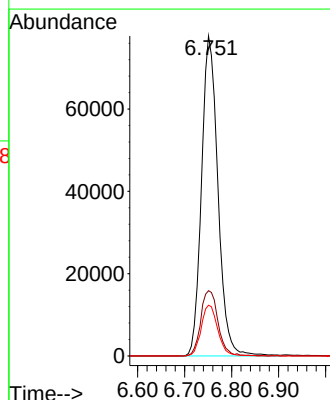
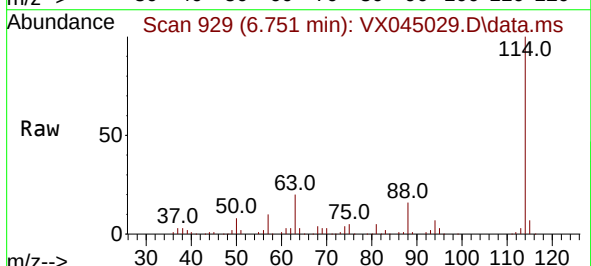
Tgt Ion: 114 Resp: 188741

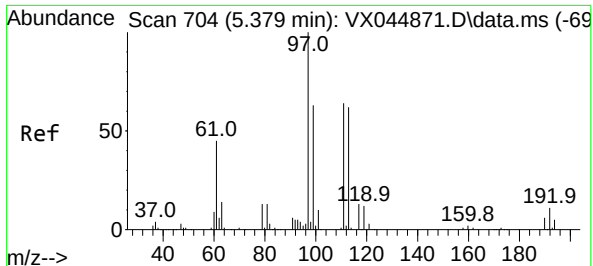
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.4

88 15.9 0.0 31.4

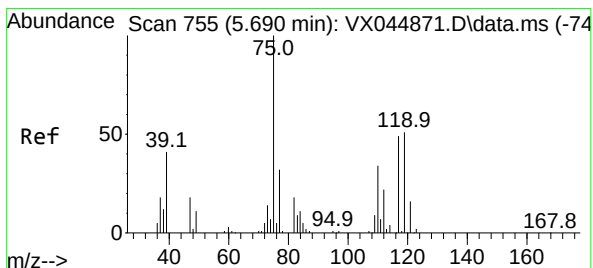
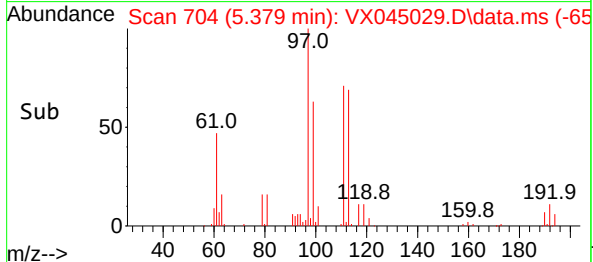
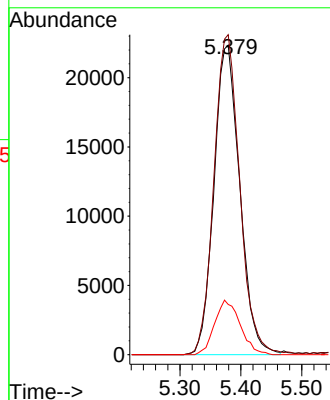
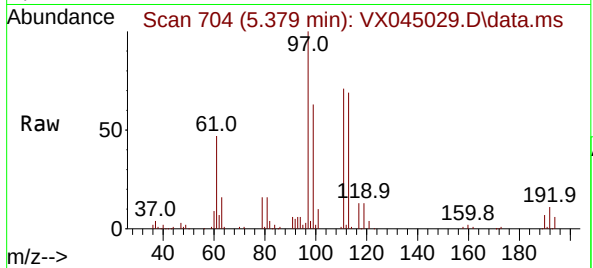




#35
Dibromofluoromethane
Concen: 53.583 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

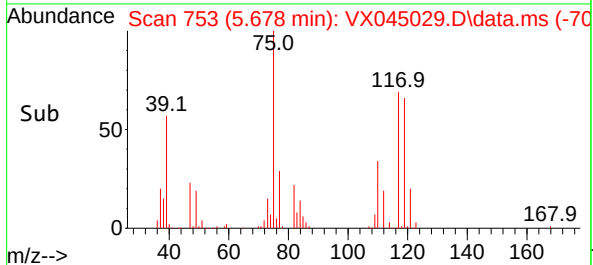
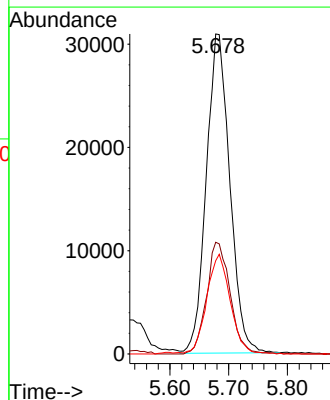
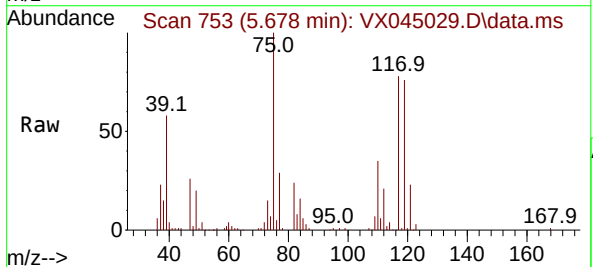
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

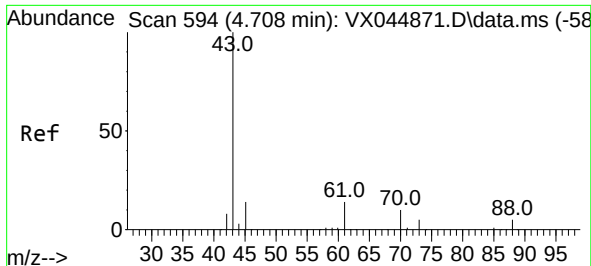
Tgt Ion:113 Resp: 65753
Ion Ratio Lower Upper
113 100
111 103.5 83.5 125.3
192 17.5 14.4 21.6



#36
1,1-Dichloropropene
Concen: 48.612 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.012 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 75 Resp: 86064
Ion Ratio Lower Upper
75 100
110 34.9 17.2 51.6
77 31.3 24.6 37.0





#37

Ethyl Acetate

Concen: 54.239 ug/l

RT: 4.709 min Scan# 594

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

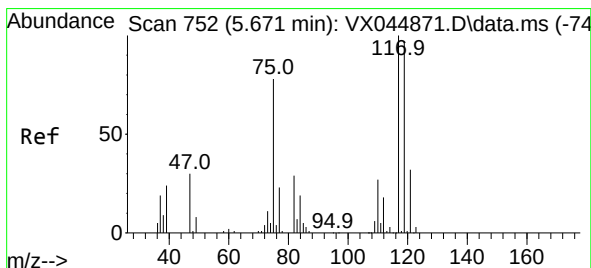
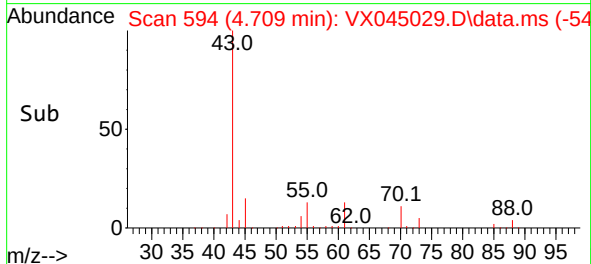
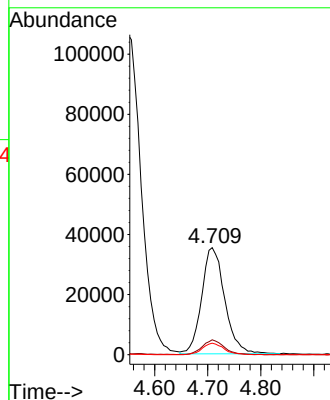
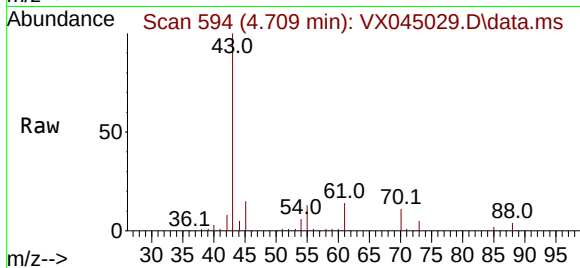
Tgt Ion: 43 Resp: 106808

Ion Ratio Lower Upper

43 100

61 13.2 11.0 16.4

70 10.1 8.2 12.2



#38

Carbon Tetrachloride

Concen: 52.043 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

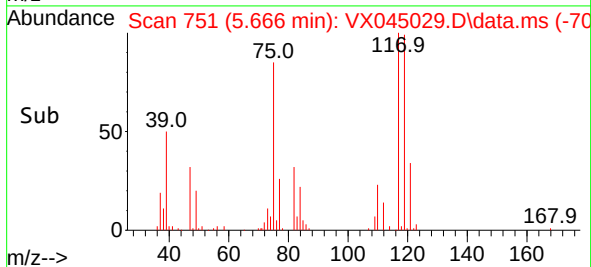
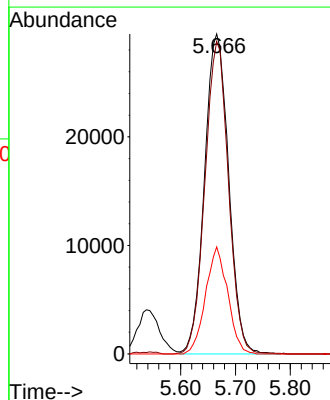
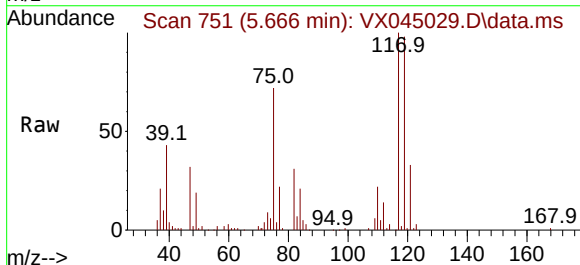
Tgt Ion: 117 Resp: 90290

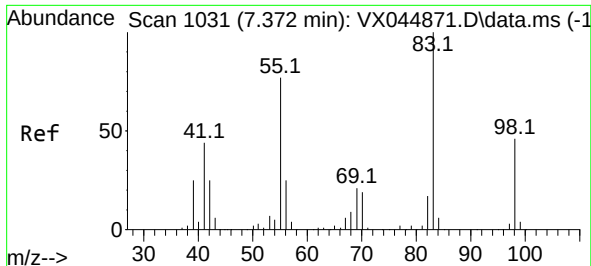
Ion Ratio Lower Upper

117 100

119 97.5 77.5 116.3

121 33.4 25.6 38.4





#39

Methylcyclohexane

Concen: 50.213 ug/l

RT: 7.373 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

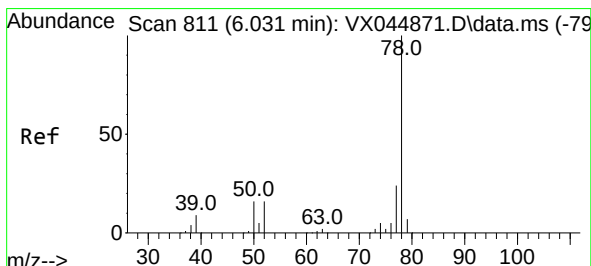
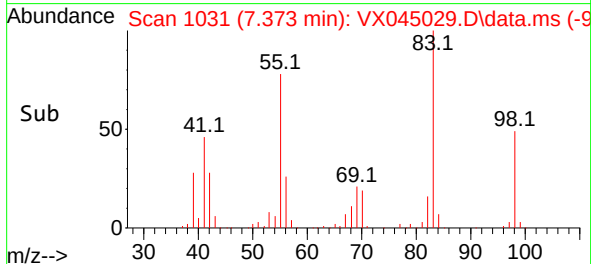
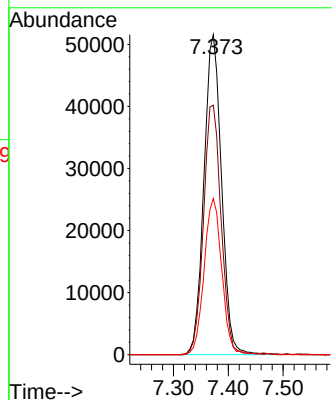
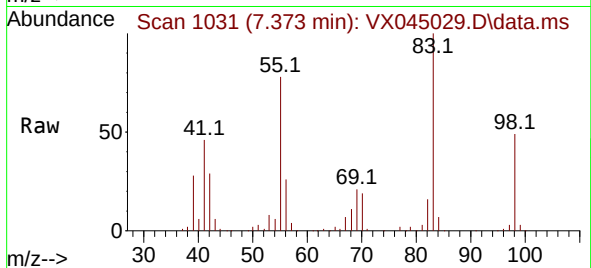
Tgt Ion: 83 Resp: 114932

Ion Ratio Lower Upper

83 100

55 78.0 61.3 91.9

98 48.8 37.0 55.6



#40

Benzene

Concen: 49.801 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX045029.D

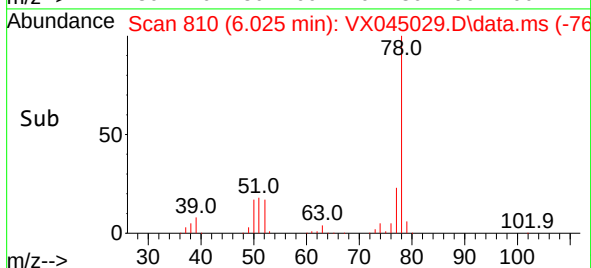
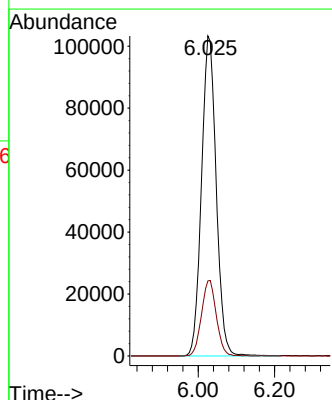
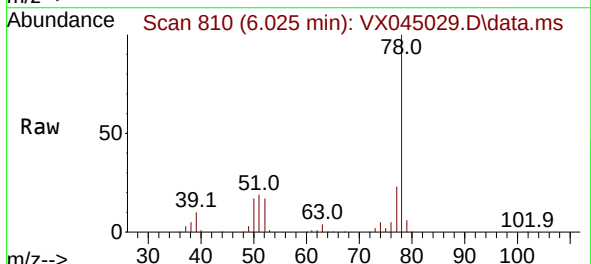
Acq: 25 Feb 2025 10:00

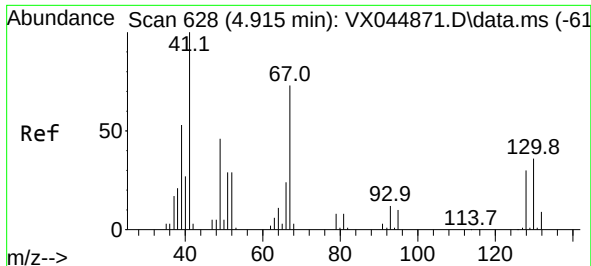
Tgt Ion: 78 Resp: 275311

Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.6

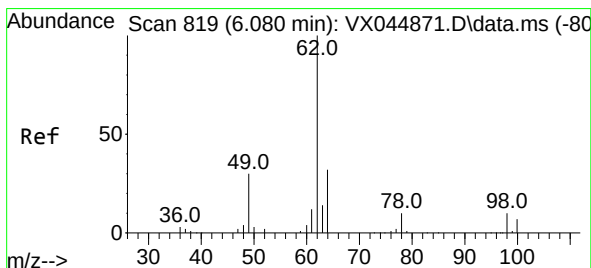
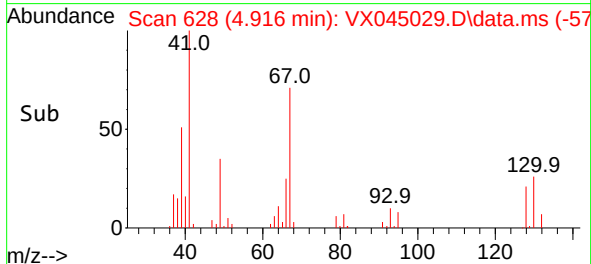
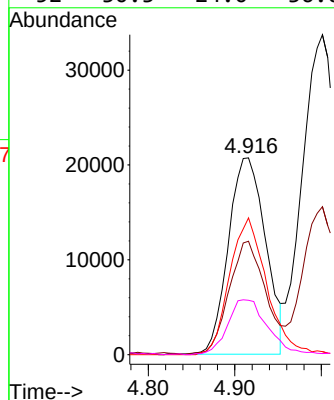
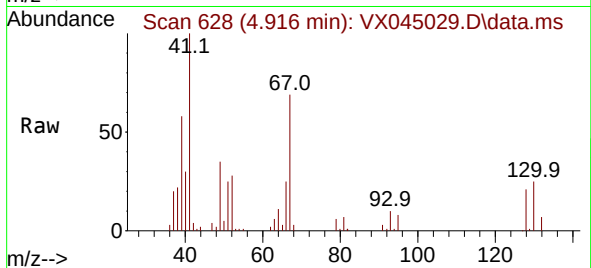




#41
Methacrylonitrile
Concen: 58.641 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

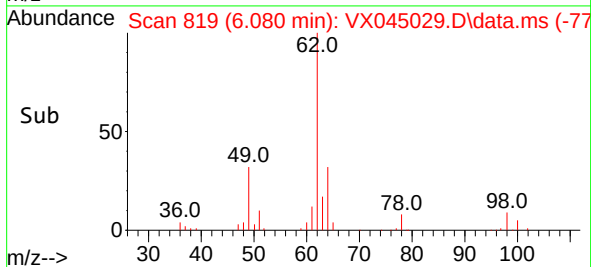
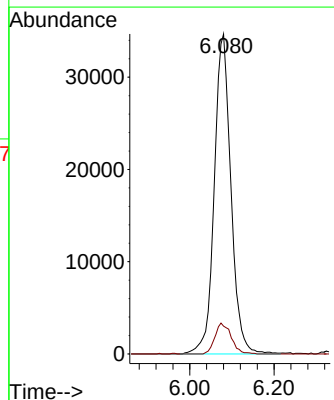
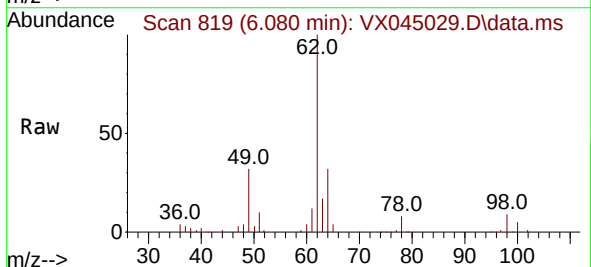
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

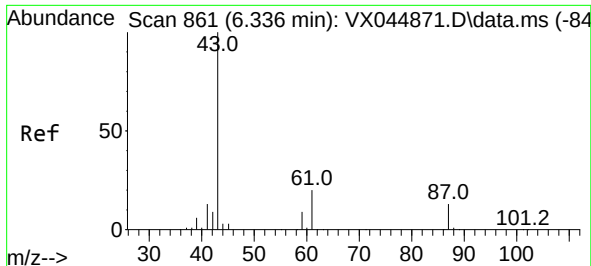
Tgt Ion:	41	Resp:	61810
Ion	Ratio	Lower	Upper
41	100		
39	57.1	43.1	64.7
67	69.7	57.0	85.6
52	30.3	24.0	36.0



#42
1,2-Dichloroethane
Concen: 54.001 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:	62	Resp:	95145
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.4

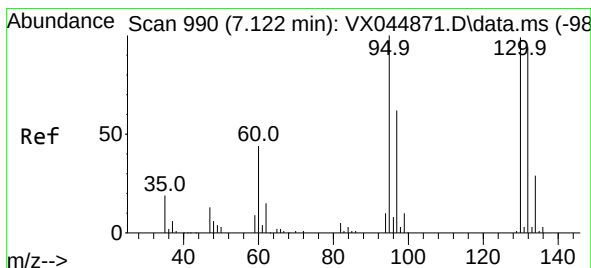
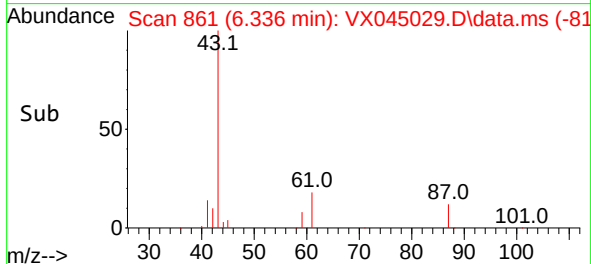
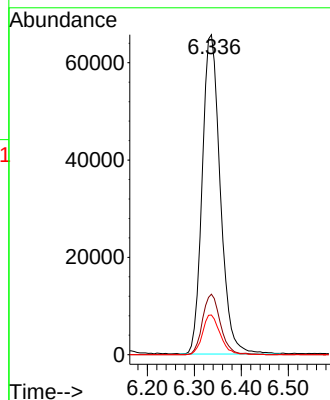
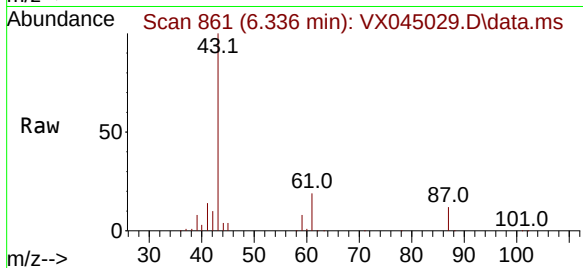




#43
Isopropyl Acetate
Concen: 55.008 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

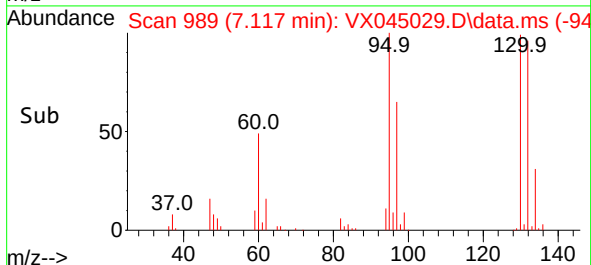
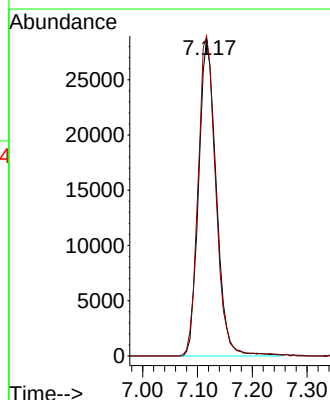
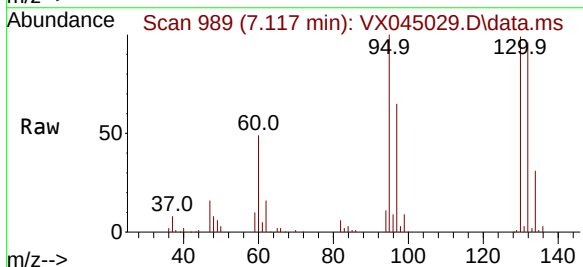
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

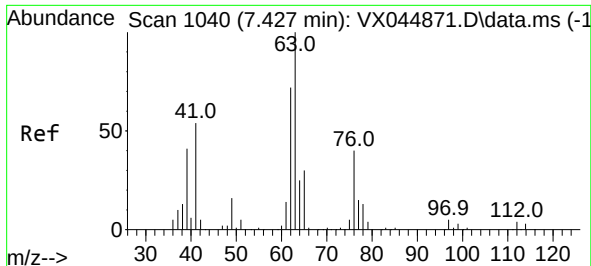
Tgt Ion: 43 Resp: 174923
Ion Ratio Lower Upper
43 100
61 18.9 15.8 23.8
87 12.2 10.0 15.0



#44
Trichloroethene
Concen: 50.640 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:130 Resp: 63990
Ion Ratio Lower Upper
130 100
95 101.2 0.0 202.4





#45

1,2-Dichloropropane

Concen: 51.537 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

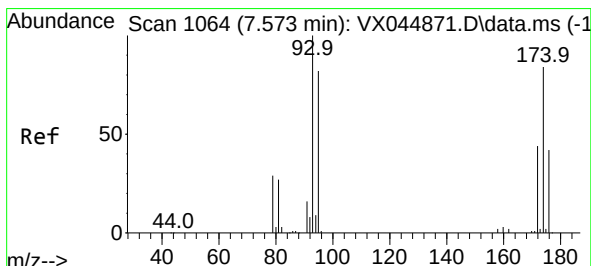
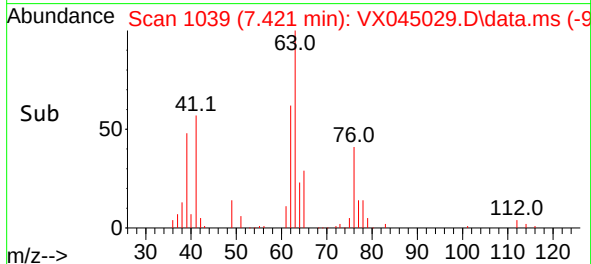
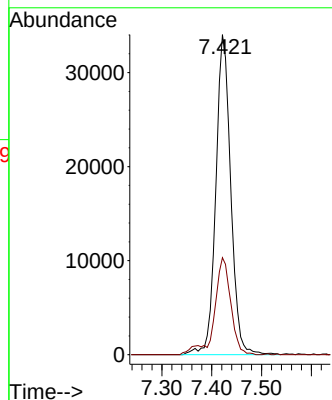
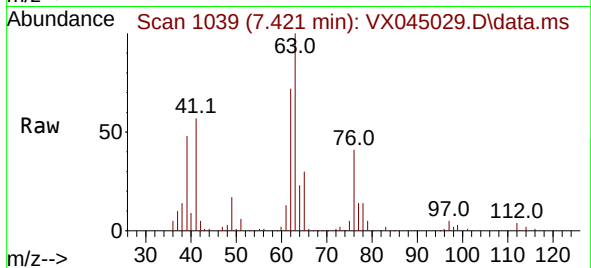
VSTDCCC050

Tgt Ion: 63 Resp: 70881

Ion Ratio Lower Upper

63 100

65 30.3 24.2 36.4



#46

Dibromomethane

Concen: 52.221 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

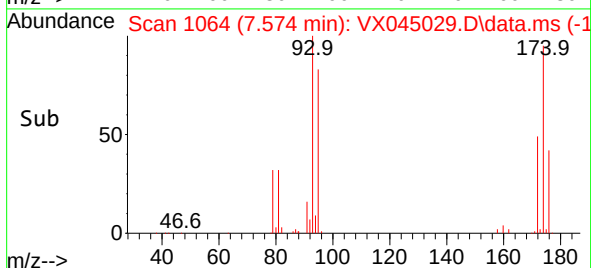
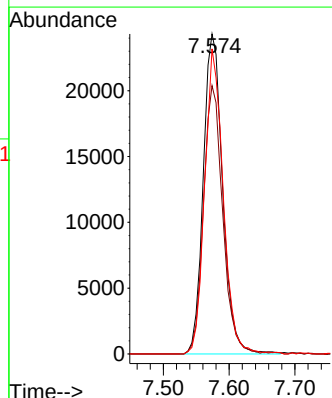
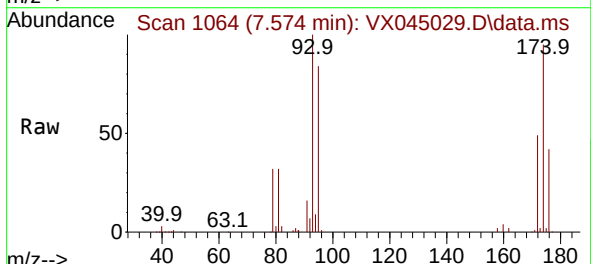
Tgt Ion: 93 Resp: 49809

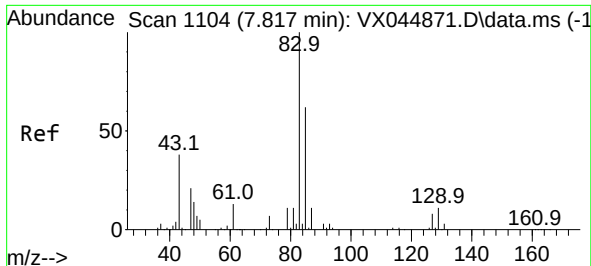
Ion Ratio Lower Upper

93 100

95 83.3 66.2 99.4

174 91.3 69.9 104.9

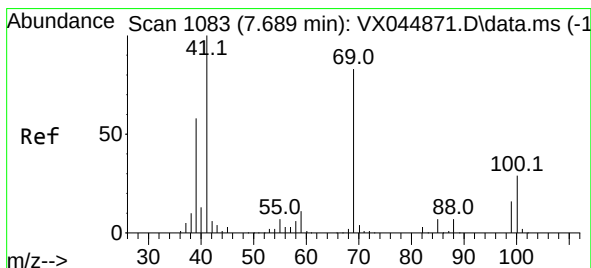
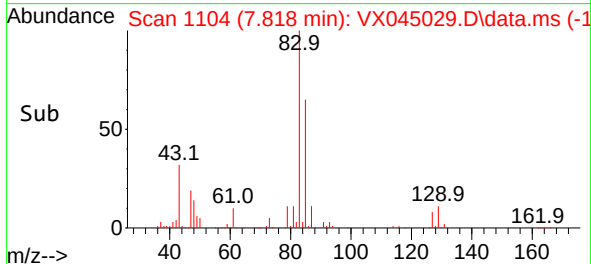
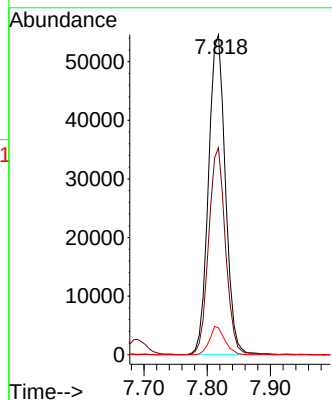
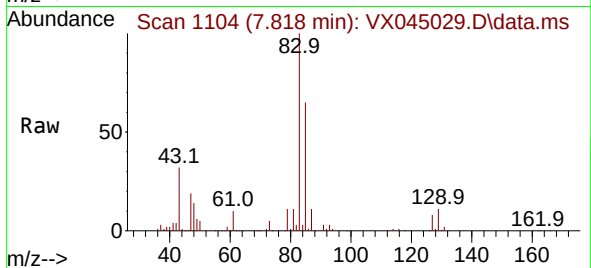




#47
Bromodichloromethane
Concen: 54.965 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

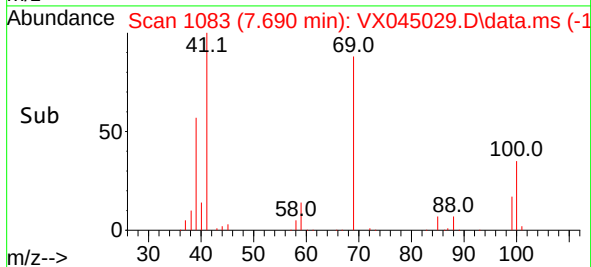
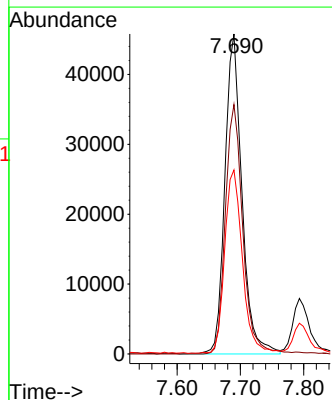
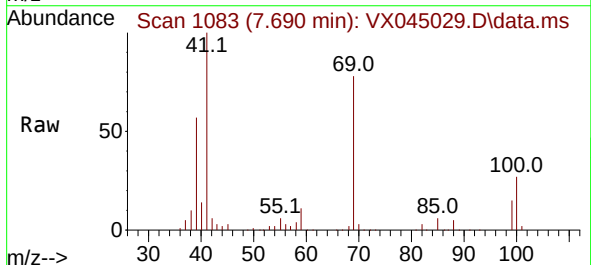
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

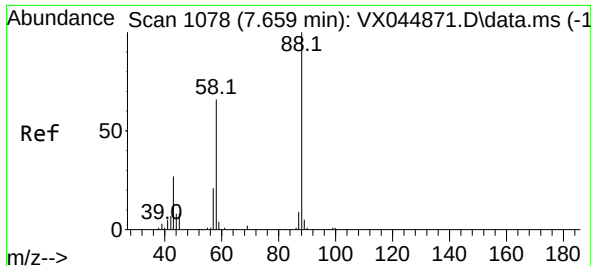
Tgt Ion: 83 Resp: 101512
Ion Ratio Lower Upper
83 100
85 64.6 50.0 75.0
127 8.4 6.4 9.6



#48
Methyl methacrylate
Concen: 57.145 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 41 Resp: 85683
Ion Ratio Lower Upper
41 100
69 79.4 65.8 98.8
39 59.3 46.4 69.6

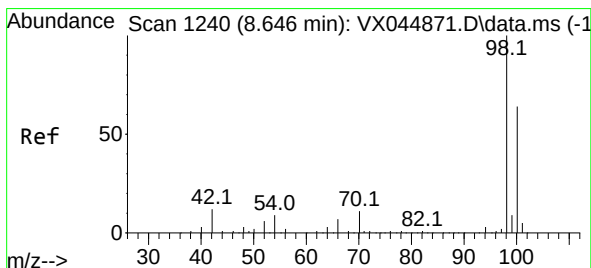
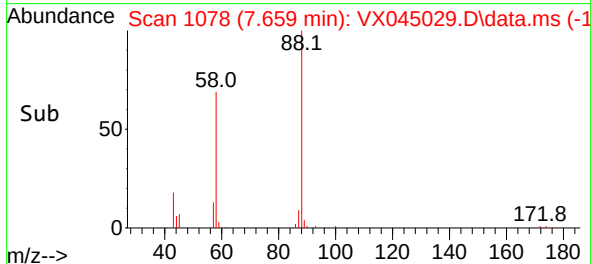
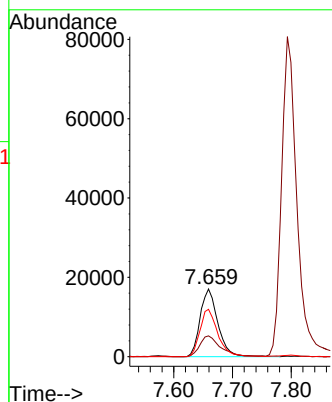
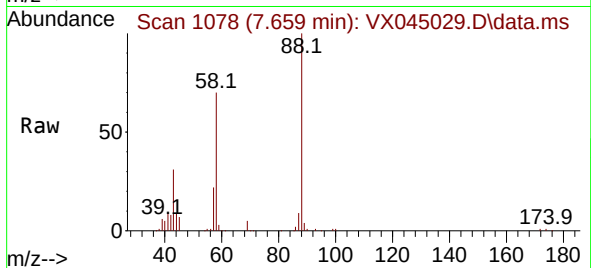




#49
1,4-Dioxane
Concen: 1108.259 ug/l
RT: 7.659 min Scan# 1108
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

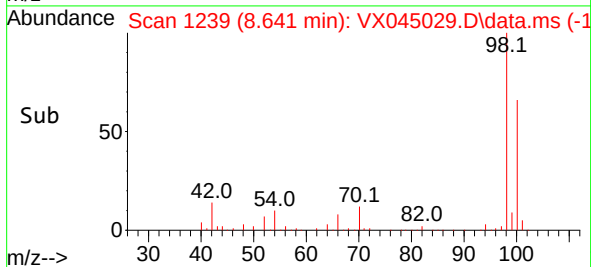
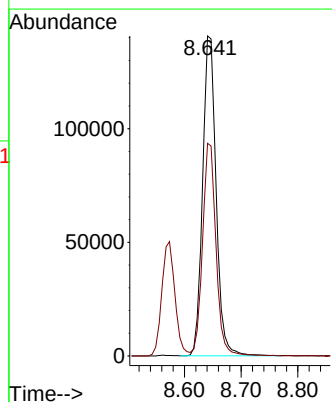
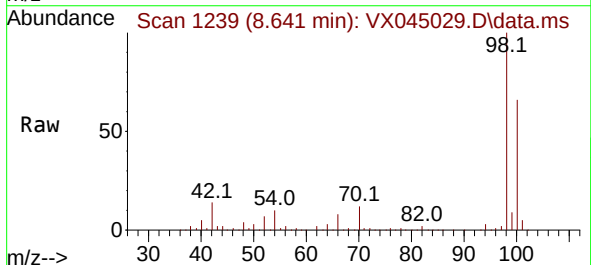
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

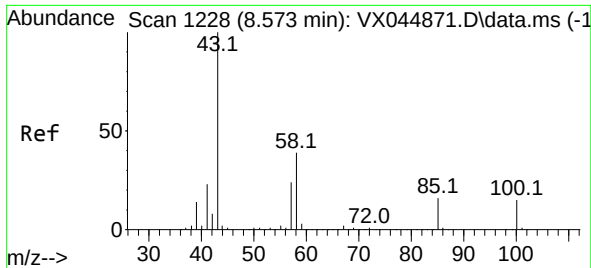
Tgt Ion: 88 Resp: 35652
Ion Ratio Lower Upper
88 100
43 36.1 26.6 39.8
58 70.8 55.9 83.9



#50
Toluene-d8
Concen: 50.240 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 98 Resp: 233128
Ion Ratio Lower Upper
98 100
100 66.1 52.7 79.1

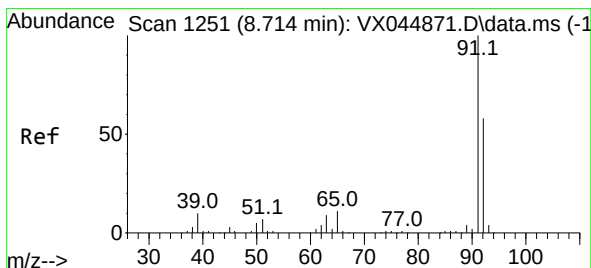
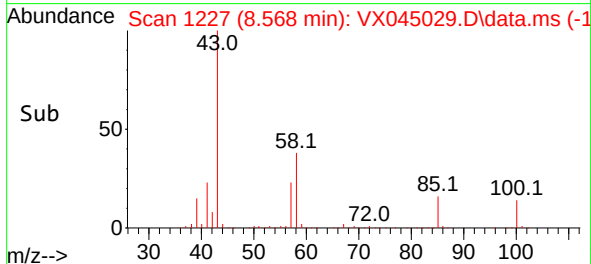
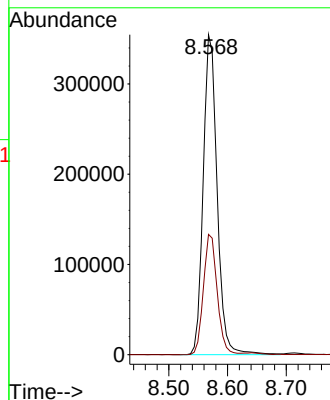
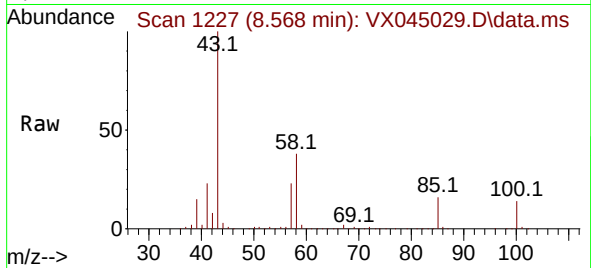




#51
4-Methyl-2-Pentanone
Concen: 301.506 ug/l
RT: 8.568 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

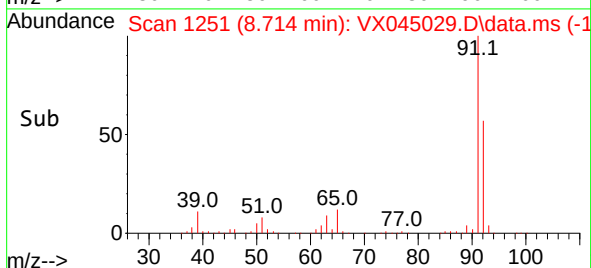
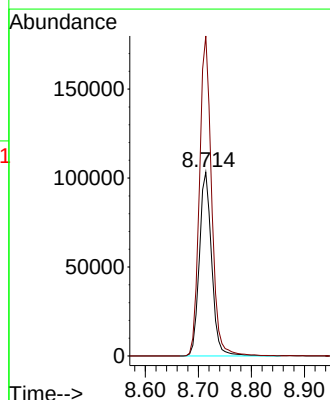
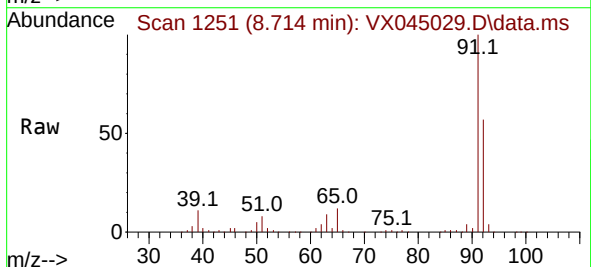
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

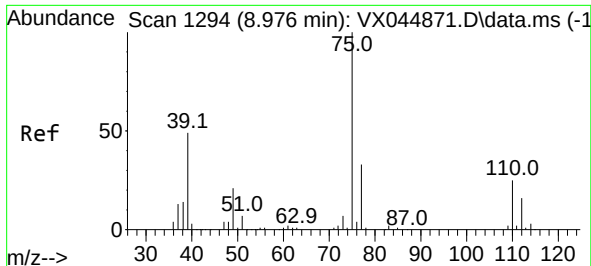
Tgt Ion: 43 Resp: 582884
Ion Ratio Lower Upper
43 100
58 37.3 30.8 46.2



#52
Toluene
Concen: 50.555 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 92 Resp: 166447
Ion Ratio Lower Upper
92 100
91 172.1 137.4 206.2

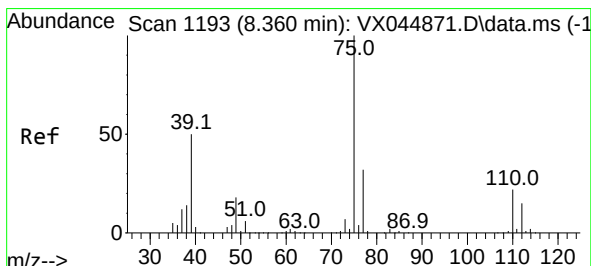
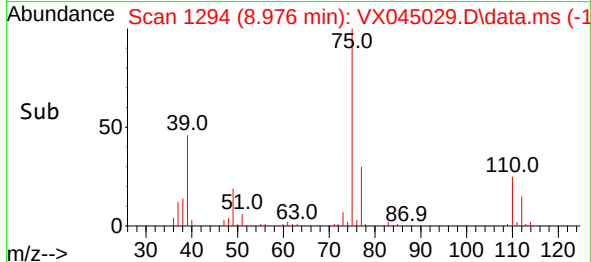
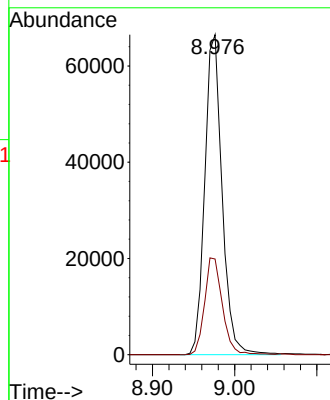
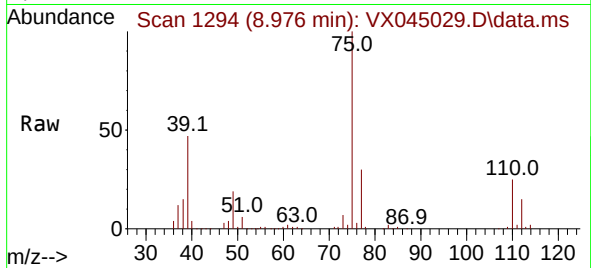




#53
 t-1,3-Dichloropropene
 Concen: 52.043 ug/l
 RT: 8.976 min Scan# 1193
 Delta R.T. 0.000 min
 Lab File: VX045029.D
 Acq: 25 Feb 2025 10:00

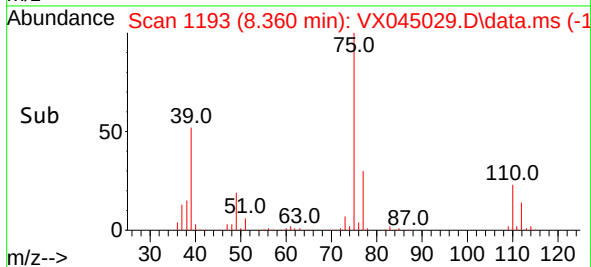
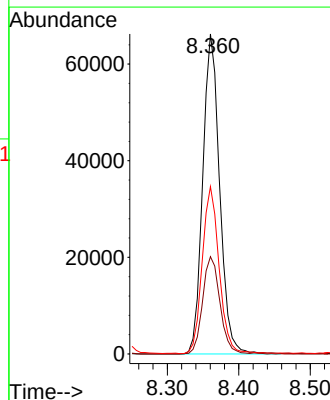
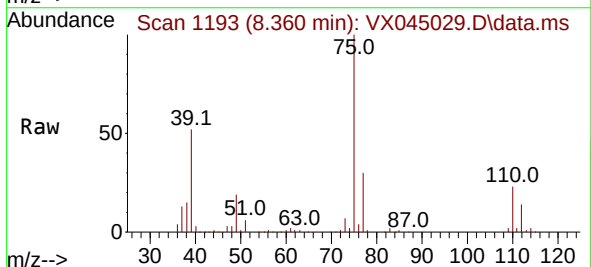
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

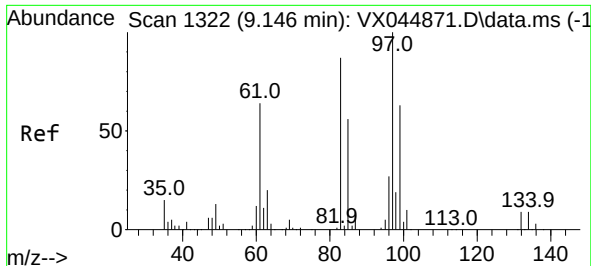
Tgt Ion: 75 Resp: 97264
 Ion Ratio Lower Upper
 75 100
 77 29.9 26.0 39.0



#54
 cis-1,3-Dichloropropene
 Concen: 52.194 ug/l
 RT: 8.360 min Scan# 1193
 Delta R.T. 0.000 min
 Lab File: VX045029.D
 Acq: 25 Feb 2025 10:00

Tgt Ion: 75 Resp: 108760
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.3 37.9
 39 52.2 40.0 60.0

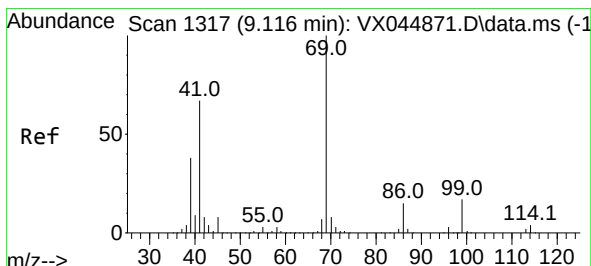
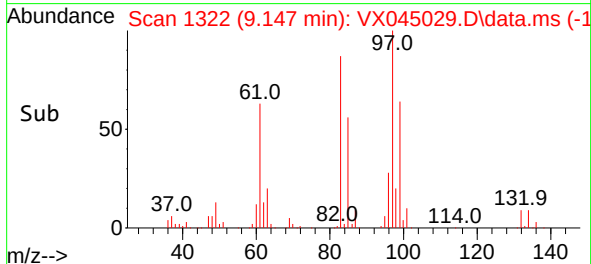
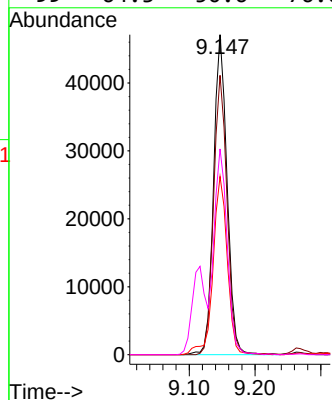
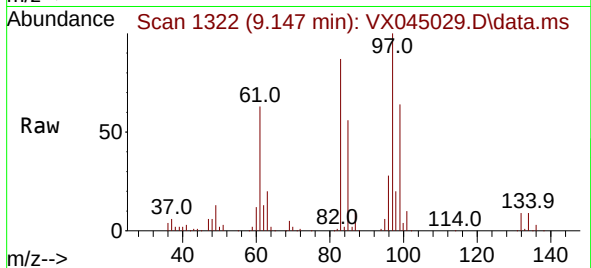




#55
1,1,2-Trichloroethane
Concen: 53.137 ug/l
RT: 9.147 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

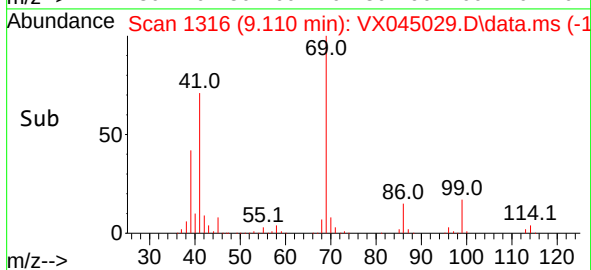
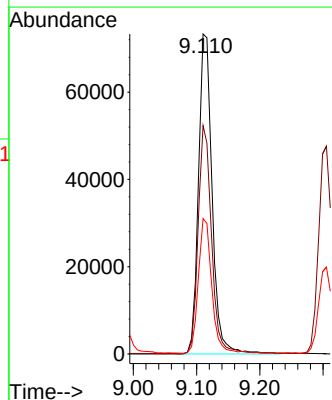
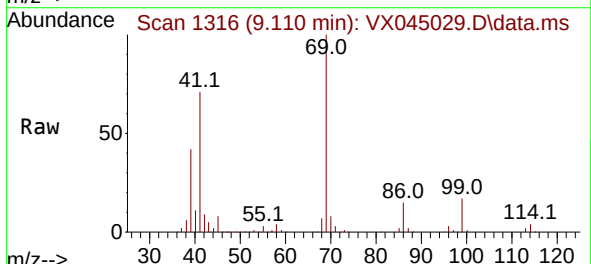
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

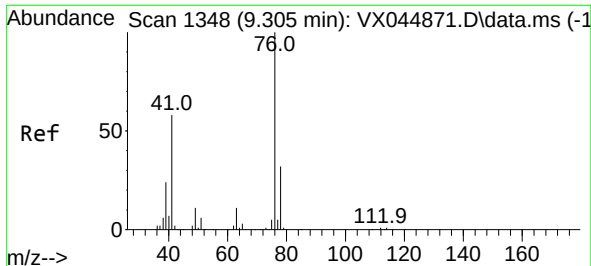
Tgt Ion:	97	Resp:	67253
Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.8	104.6
85	55.7	44.8	67.2
99	64.3	50.6	76.0



#56
Ethyl methacrylate
Concen: 54.048 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:	69	Resp:	110482
Ion	Ratio	Lower	Upper
69	100		
41	70.2	55.2	82.8
39	41.8	30.8	46.2





#57

1,3-Dichloropropane

Concen: 52.114 ug/l

RT: 9.305 min Scan# 115405

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

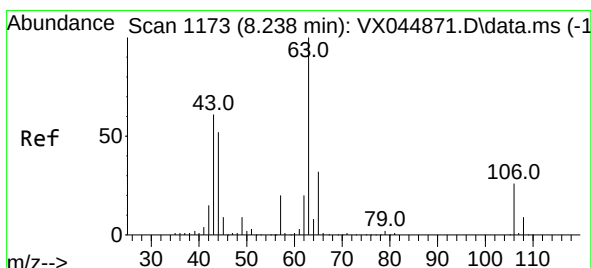
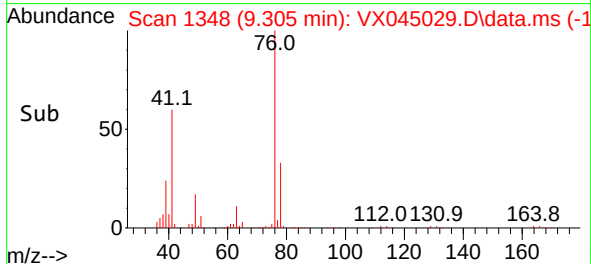
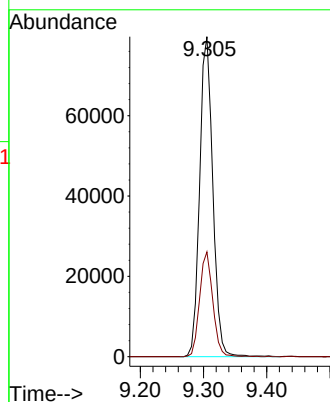
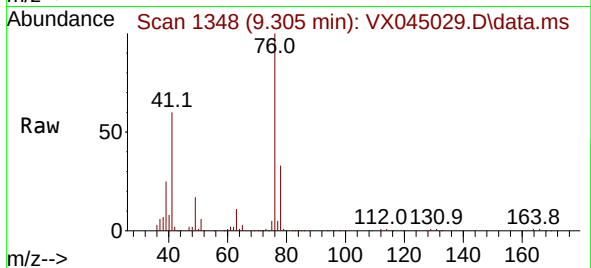
VSTDCCC050

Tgt Ion: 76 Resp: 115405

Ion Ratio Lower Upper

76 100

78 32.8 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 282.696 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX045029.D

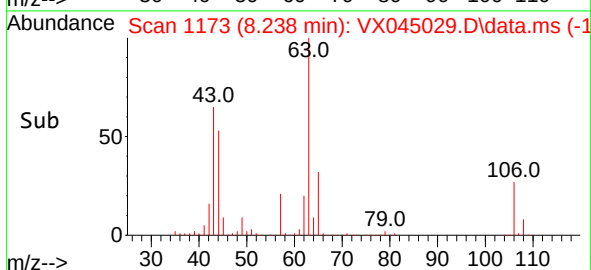
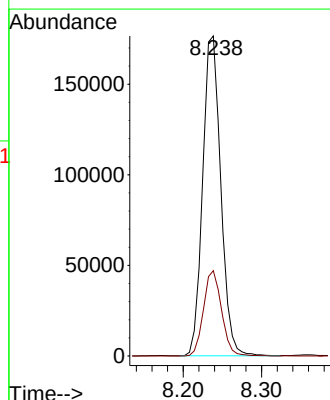
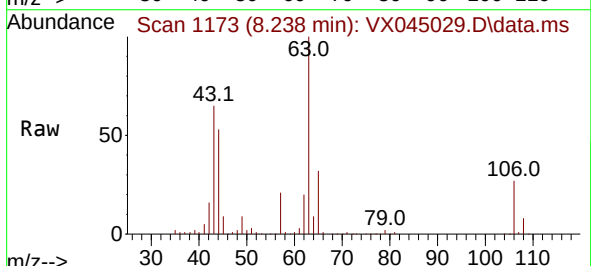
Acq: 25 Feb 2025 10:00

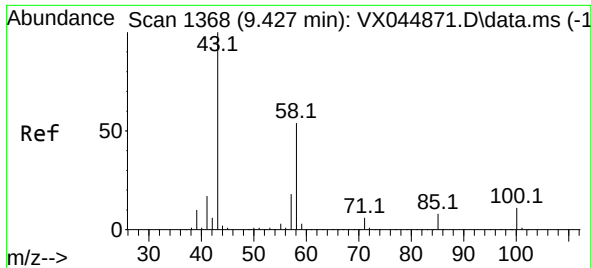
Tgt Ion: 63 Resp: 283740

Ion Ratio Lower Upper

63 100

106 26.5 21.3 31.9





#59

2-Hexanone

Concen: 310.511 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

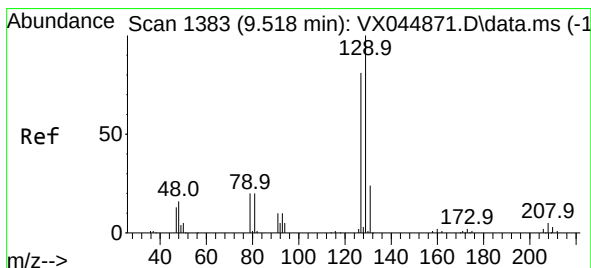
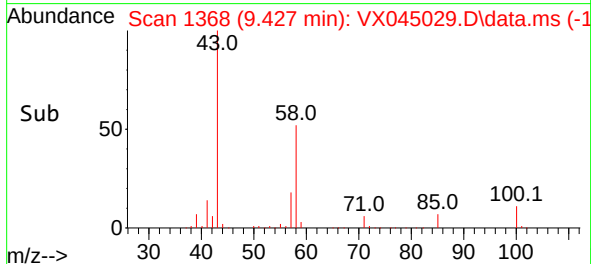
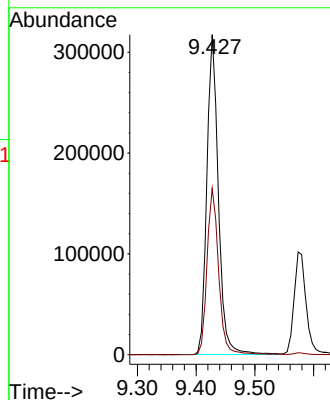
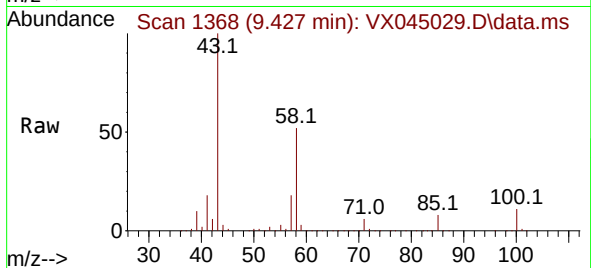
VSTDCCC050

Tgt Ion: 43 Resp: 432517

Ion Ratio Lower Upper

43 100

58 52.6 27.5 82.4



#60

Dibromochloromethane

Concen: 54.989 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX045029.D

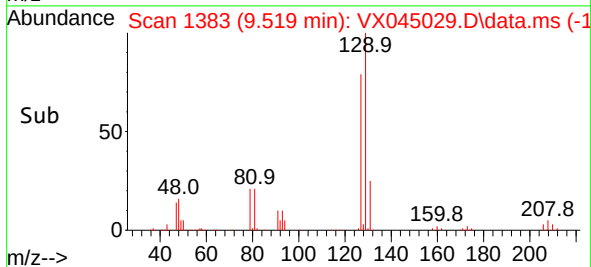
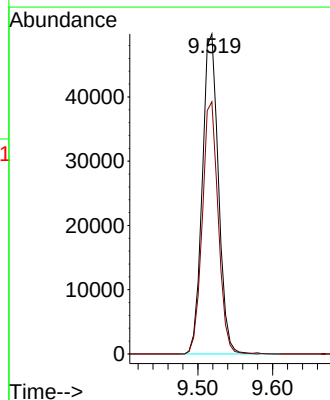
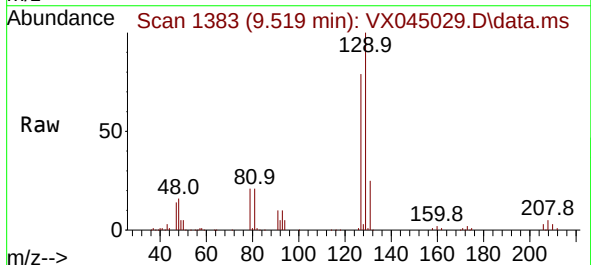
Acq: 25 Feb 2025 10:00

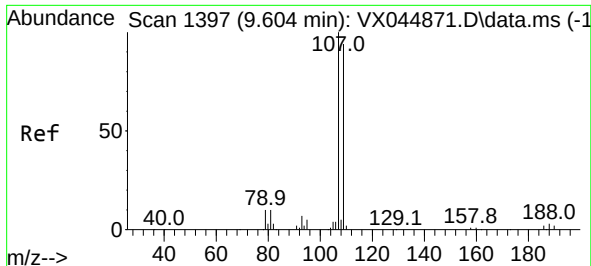
Tgt Ion: 129 Resp: 74430

Ion Ratio Lower Upper

129 100

127 77.8 39.1 117.3

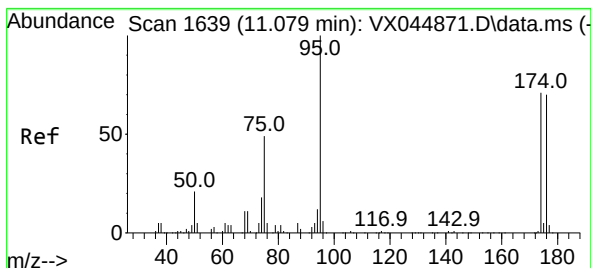
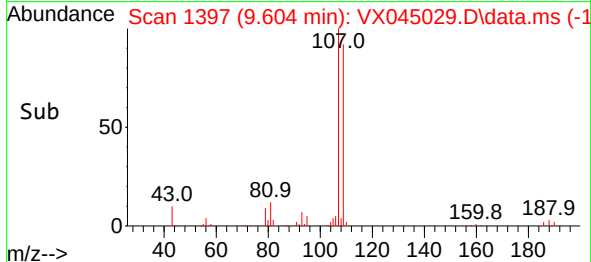
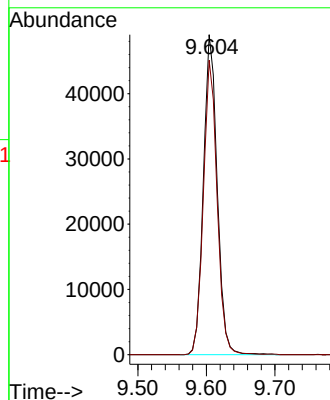
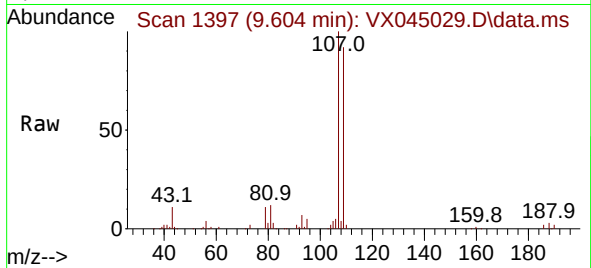




#61
1,2-Dibromoethane
Concen: 53.751 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

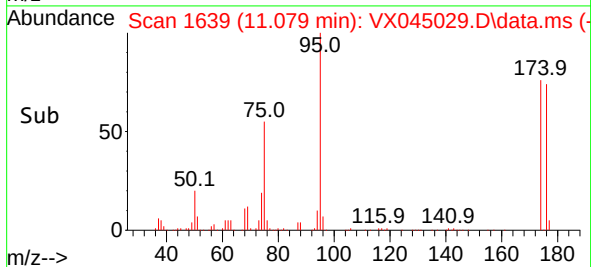
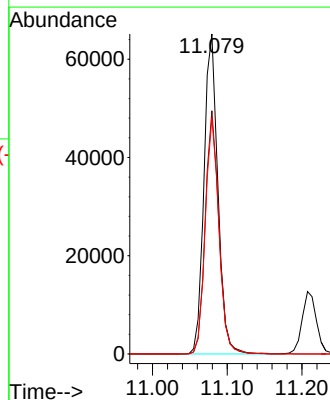
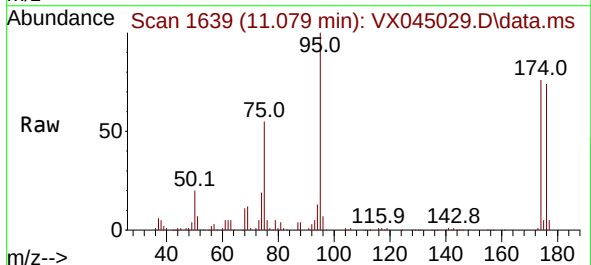
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

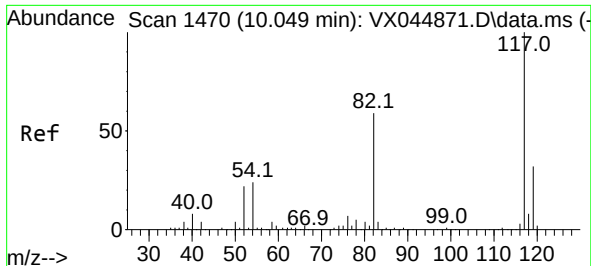
Tgt Ion:107 Resp: 68951
Ion Ratio Lower Upper
107 100
109 91.6 75.9 113.9



#62
4-Bromofluorobenzene
Concen: 53.745 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 95 Resp: 84075
Ion Ratio Lower Upper
95 100
174 74.6 0.0 142.6
176 72.5 0.0 141.6

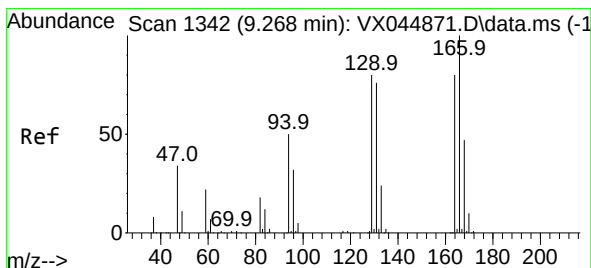
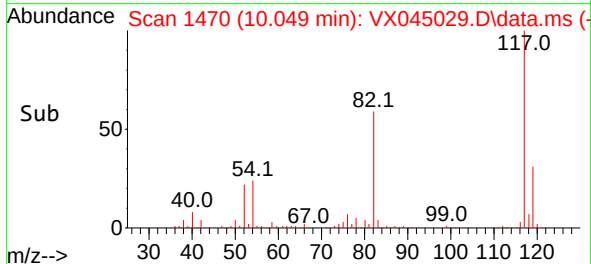
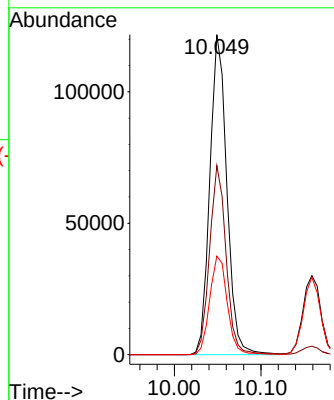
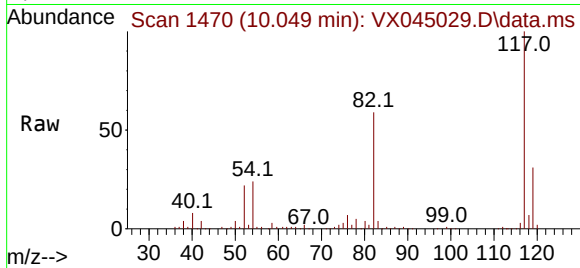




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

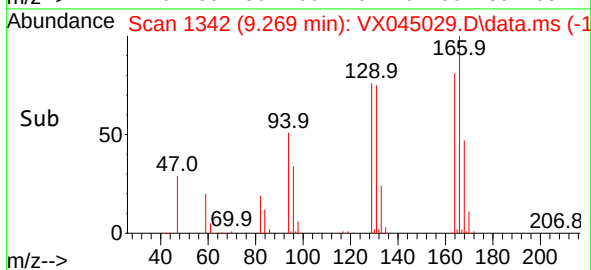
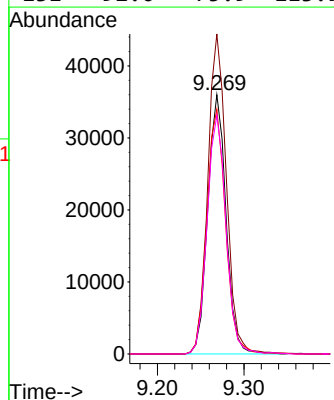
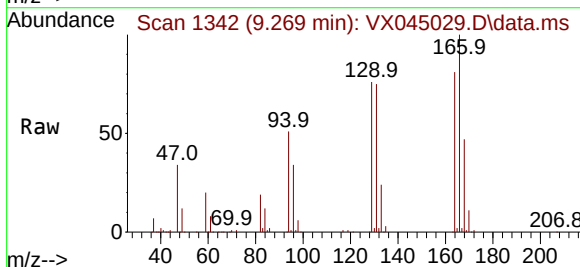
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

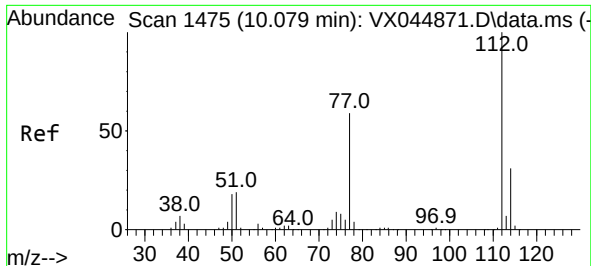
Tgt Ion:117 Resp: 166334
Ion Ratio Lower Upper
117 100
82 59.1 47.5 71.3
119 30.8 25.4 38.0



#64
Tetrachloroethene
Concen: 50.505 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:164 Resp: 52979
Ion Ratio Lower Upper
164 100
166 123.4 100.4 150.6
129 94.3 79.9 119.9
131 92.0 75.9 113.9

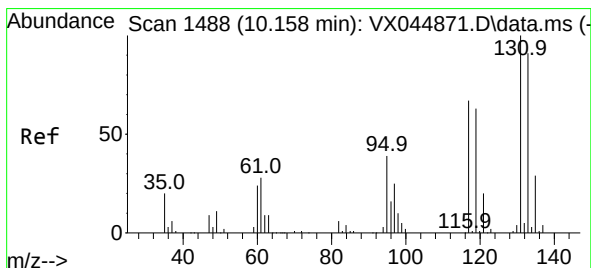
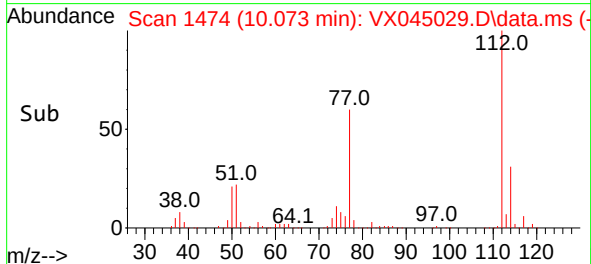
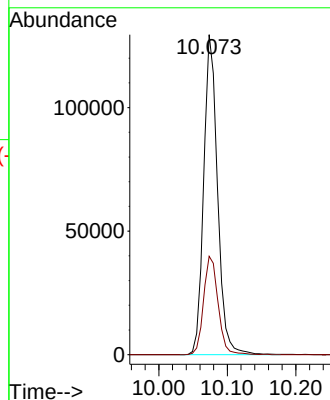
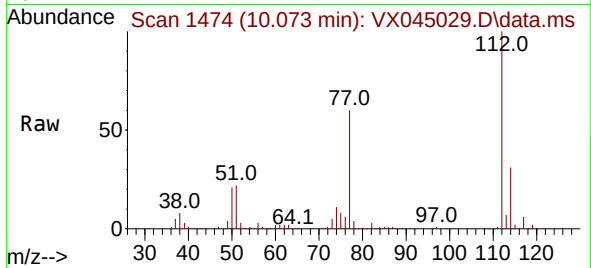




#65
Chlorobenzene
Concen: 51.053 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

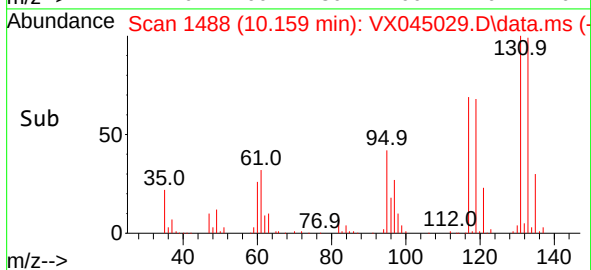
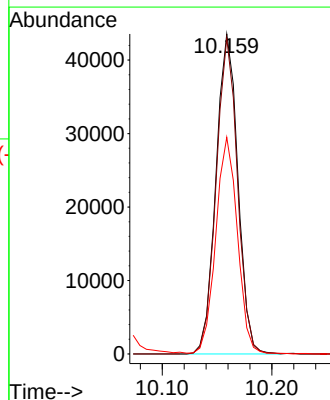
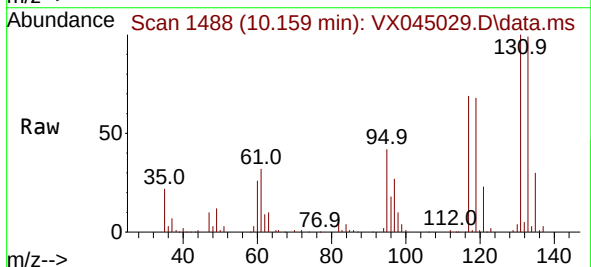
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

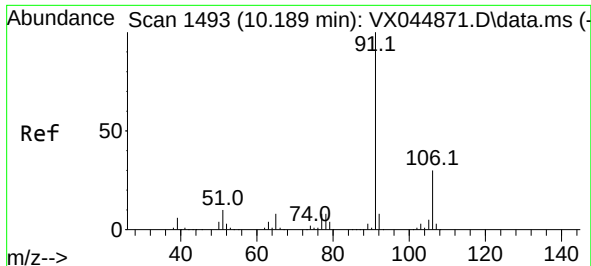
Tgt Ion:112 Resp: 182394
Ion Ratio Lower Upper
112 100
114 30.8 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 52.573 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:131 Resp: 60454
Ion Ratio Lower Upper
131 100
133 96.3 47.1 141.3
119 67.0 33.6 100.6





#67

Ethyl Benzene

Concen: 50.837 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

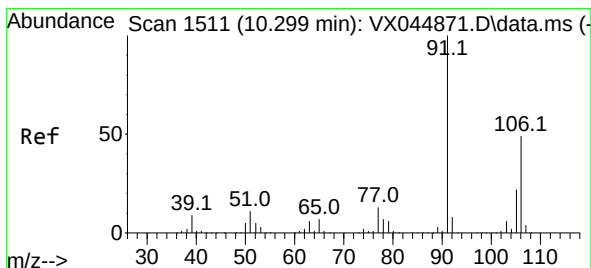
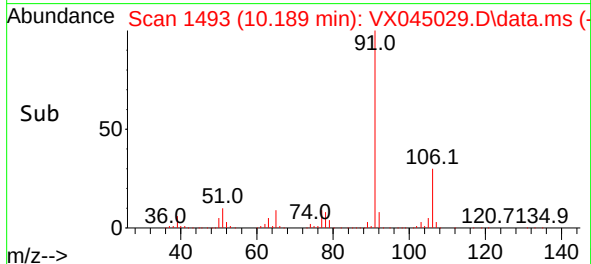
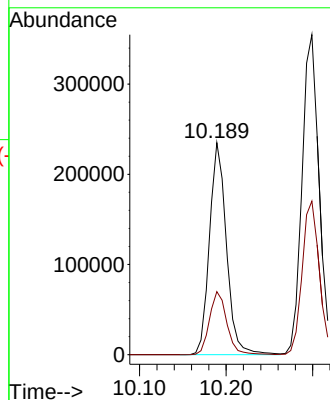
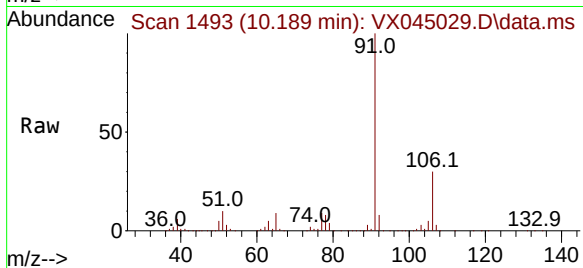
VSTDCCC050

Tgt Ion: 91 Resp: 320501

Ion Ratio Lower Upper

91 100

106 29.7 23.9 35.9



#68

m/p-Xylenes

Concen: 102.928 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX045029.D

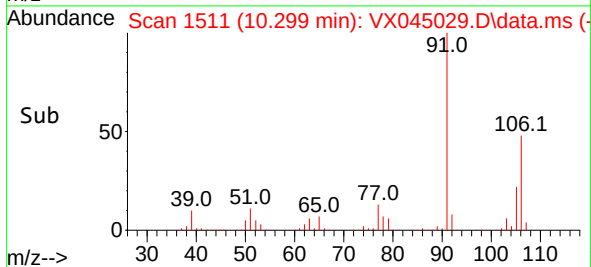
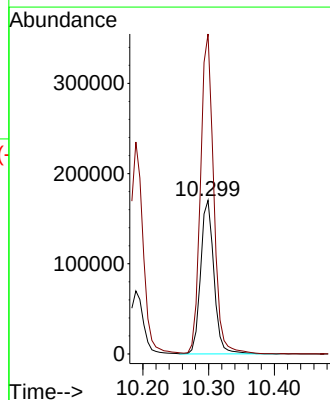
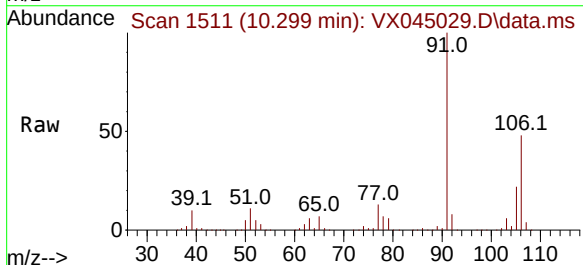
Acq: 25 Feb 2025 10:00

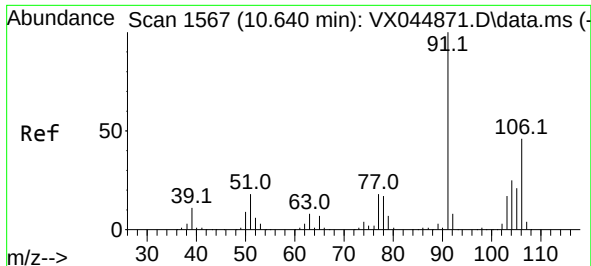
Tgt Ion: 106 Resp: 239374

Ion Ratio Lower Upper

106 100

91 206.6 164.3 246.5

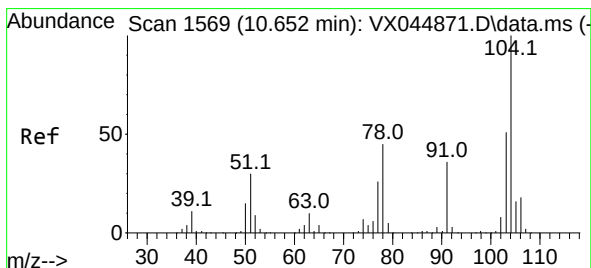
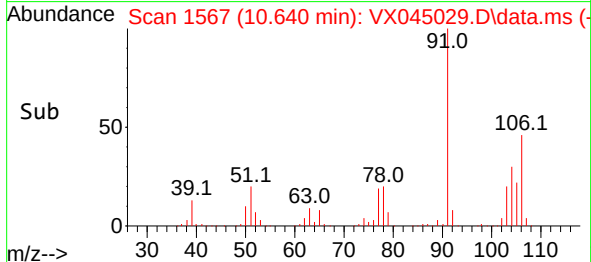
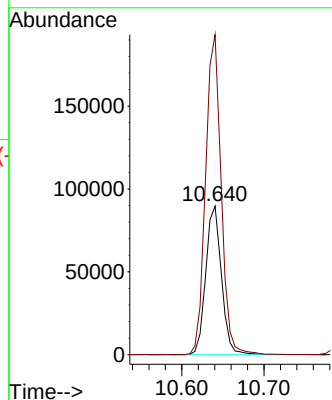
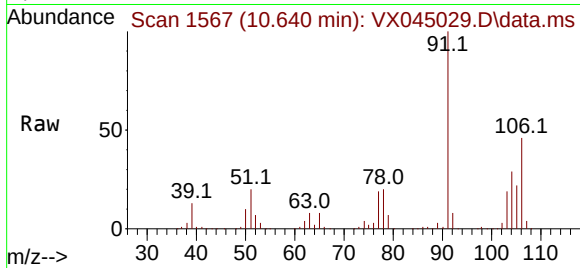




#69
o-Xylene
Concen: 51.027 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

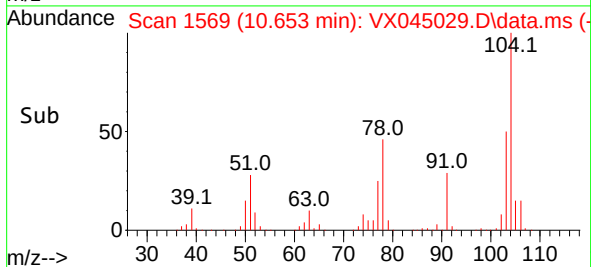
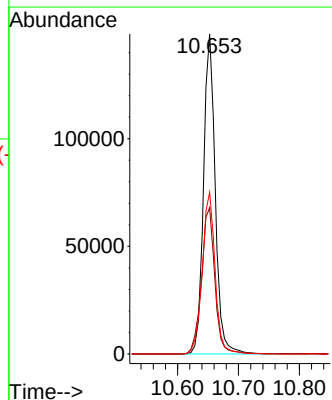
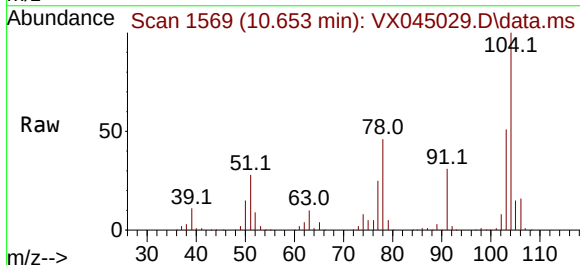
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

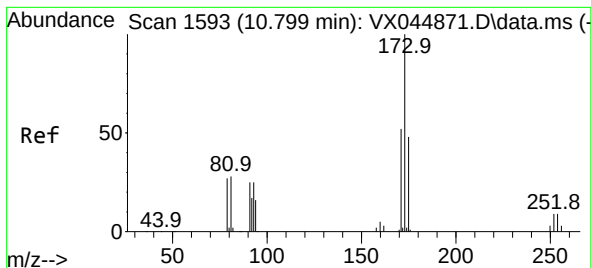
Tgt Ion:106 Resp: 119076
Ion Ratio Lower Upper
106 100
91 214.3 108.5 325.5



#70
Styrene
Concen: 53.091 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:104 Resp: 199603
Ion Ratio Lower Upper
104 100
78 52.0 40.5 60.7
103 55.3 43.6 65.4





#71

Bromoform

Concen: 57.661 ug/l

RT: 10.799 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

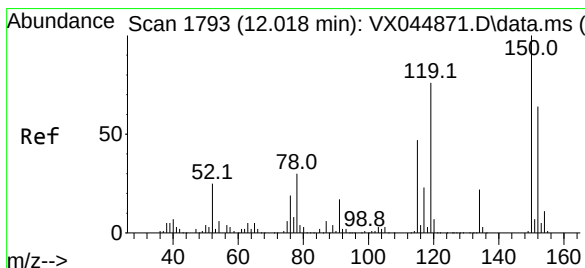
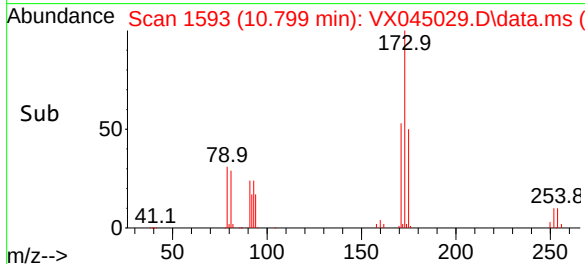
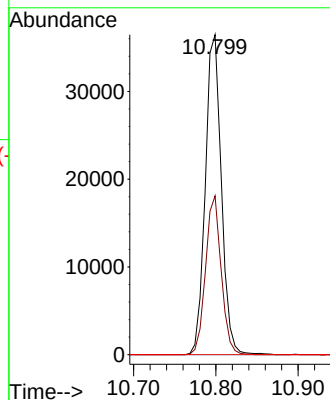
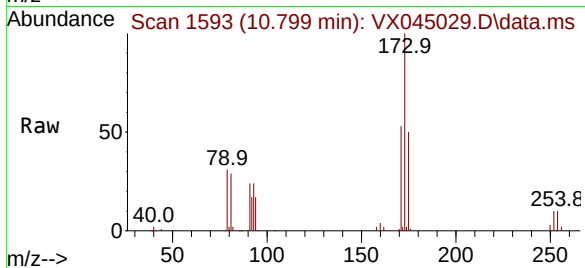
Tgt Ion:173 Resp: 49483

Ion Ratio Lower Upper

173 100

175 48.2 24.3 72.8

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: VX045029.D

Acq: 25 Feb 2025 10:00

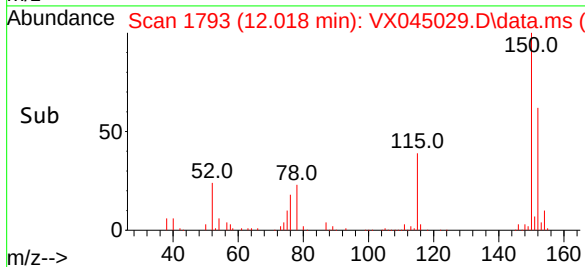
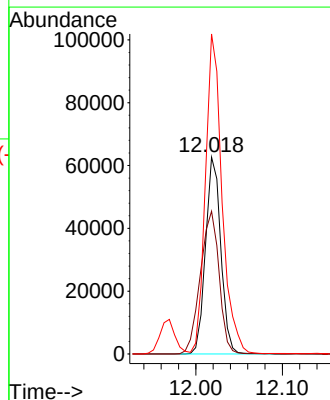
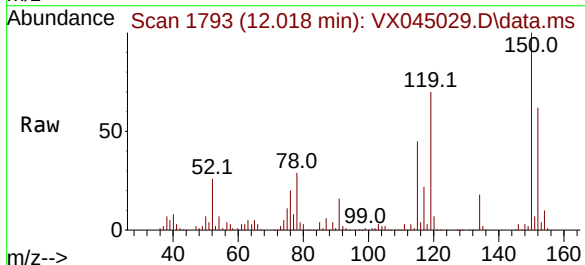
Tgt Ion:152 Resp: 76720

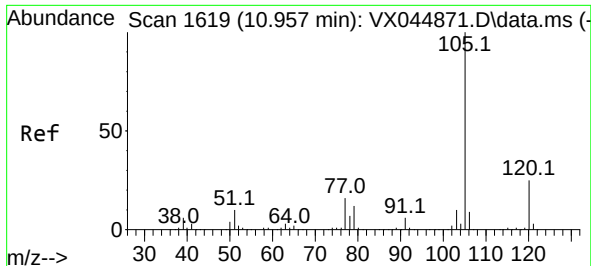
Ion Ratio Lower Upper

152 100

115 89.0 43.4 130.1

150 176.1 0.0 350.4

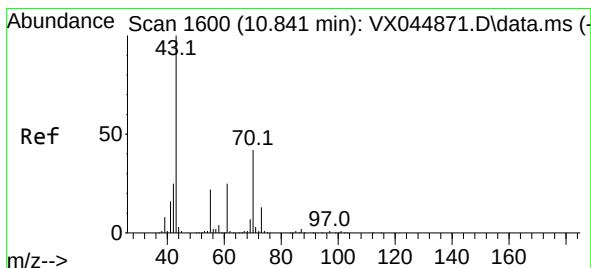
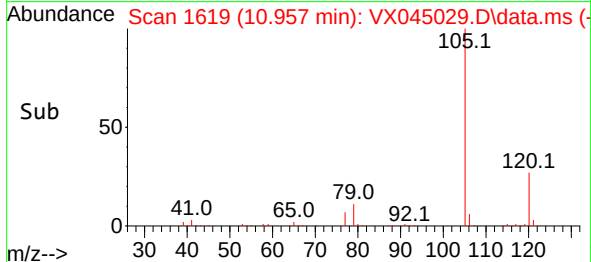
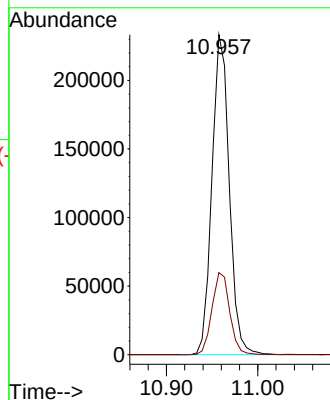
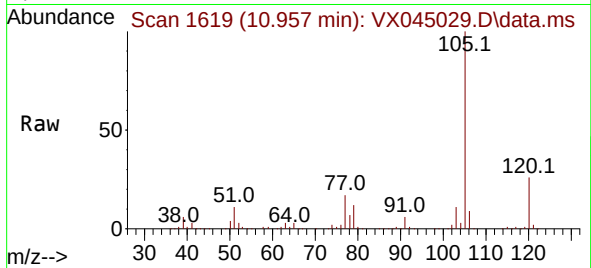




#73
Isopropylbenzene
Concen: 49.541 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

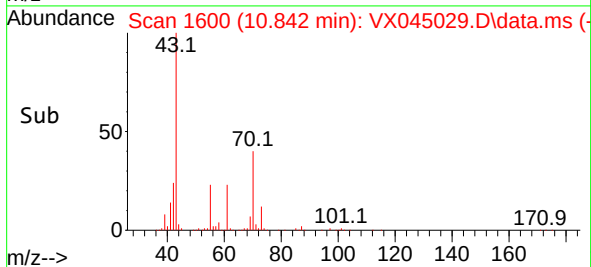
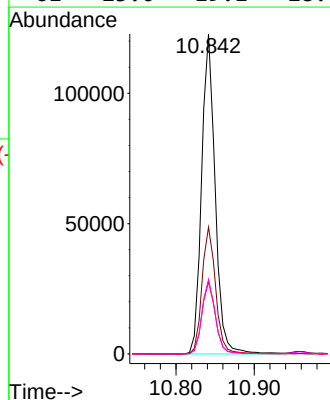
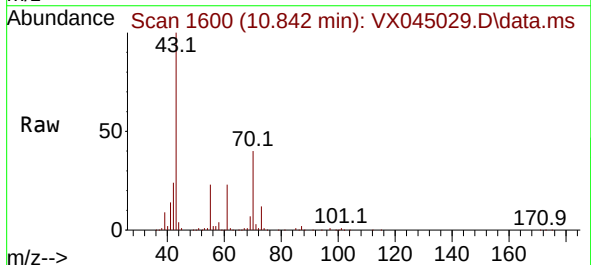
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

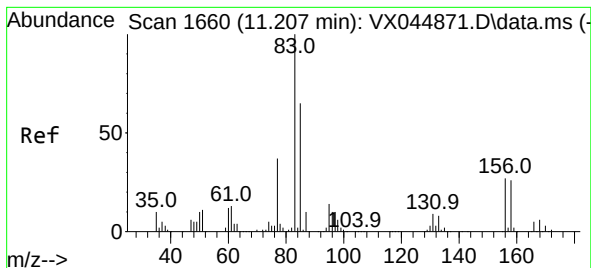
Tgt Ion:105 Resp: 306035
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5



#74
N-ethyl acetate
Concen: 52.789 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 43 Resp: 147566
Ion Ratio Lower Upper
43 100
70 39.9 33.7 50.5
55 22.7 18.6 27.8
61 23.0 19.1 28.7

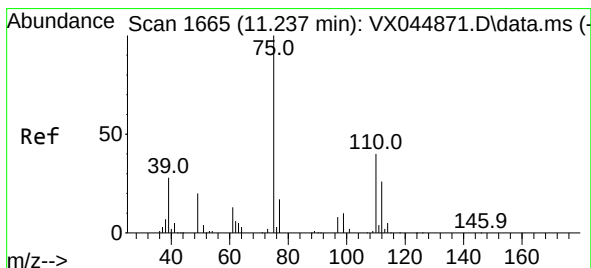
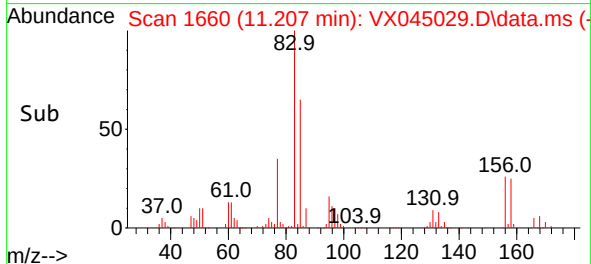
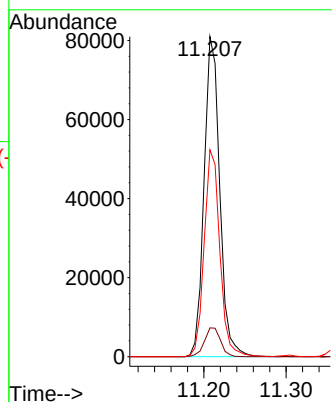
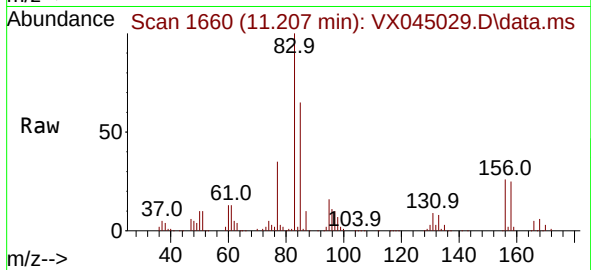




#75
1,1,2,2-Tetrachloroethane
Concen: 50.435 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

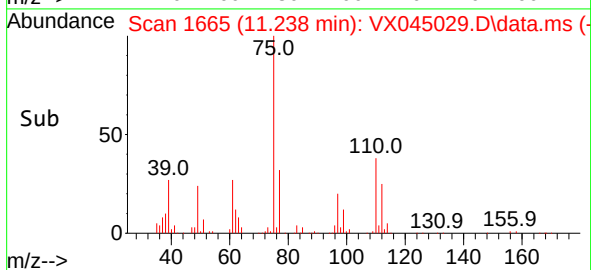
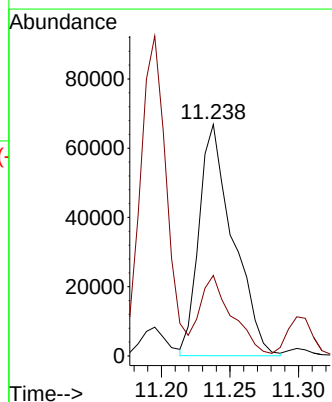
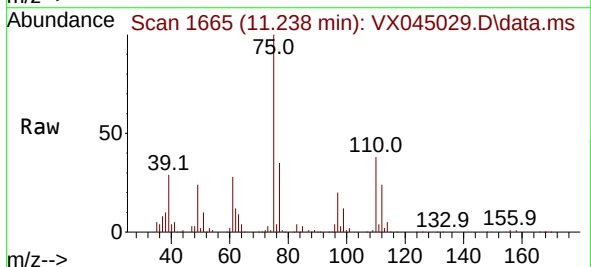
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

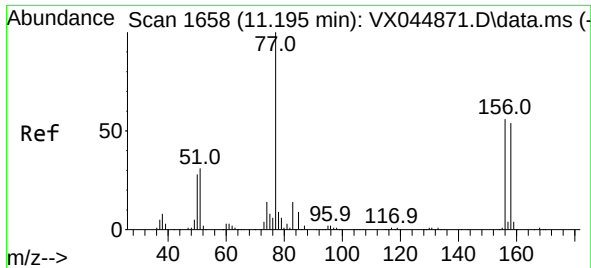
Tgt Ion: 83 Resp: 107060
Ion Ratio Lower Upper
83 100
131 9.3 4.5 13.5
85 64.6 32.3 96.8



#76
1,2,3-Trichloropropane
Concen: 67.883 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 75 Resp: 115468
Ion Ratio Lower Upper
75 100
77 32.9 21.9 65.7

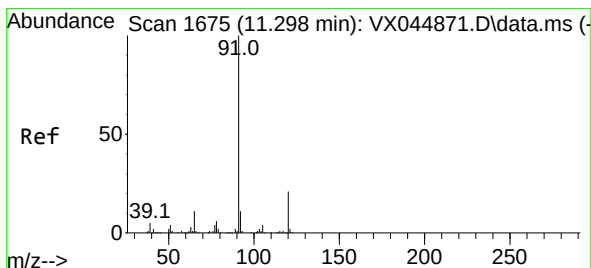
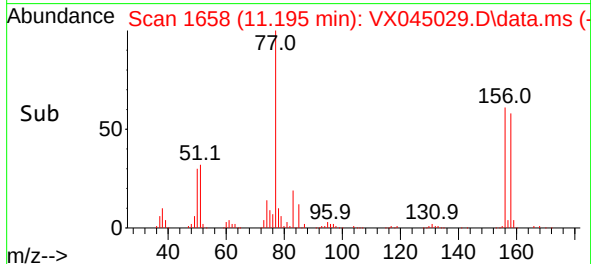
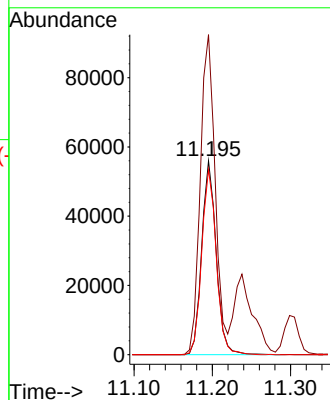
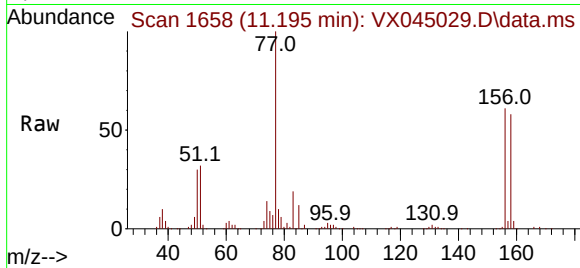




#77
Bromobenzene
Concen: 51.295 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

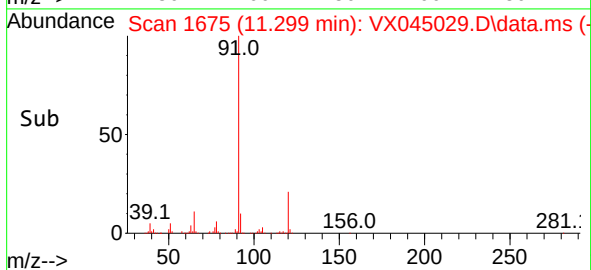
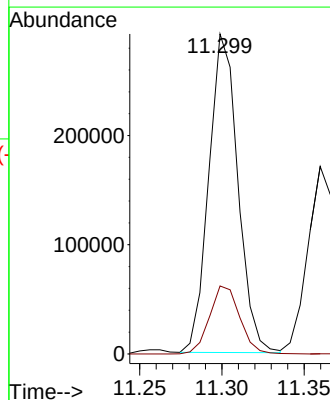
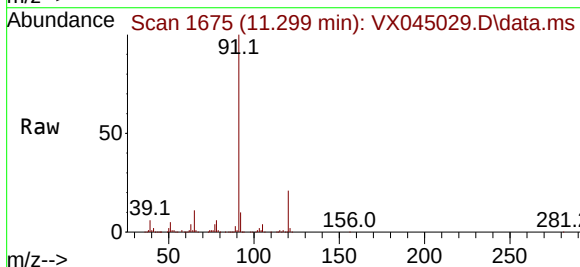
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

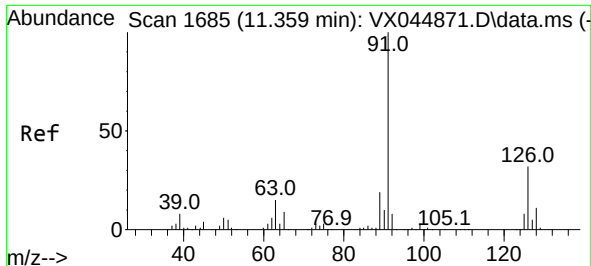
Tgt Ion:156 Resp: 71839
Ion Ratio Lower Upper
156 100
77 170.2 88.4 265.3
158 96.3 48.4 145.2



#78
n-propylbenzene
Concen: 50.330 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 91 Resp: 358862
Ion Ratio Lower Upper
91 100
120 22.2 11.1 33.3

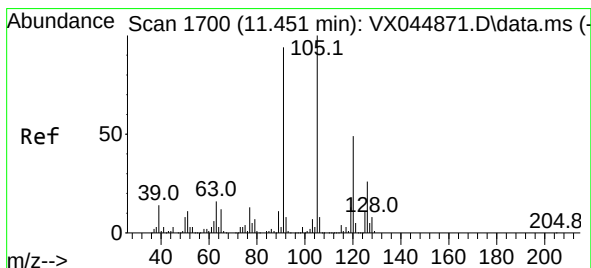
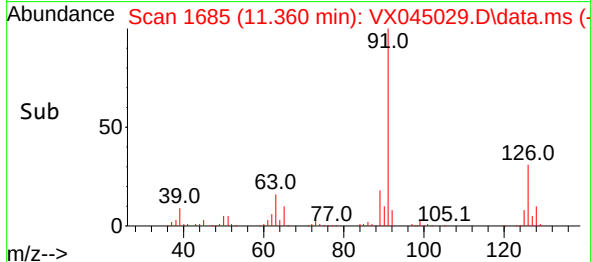
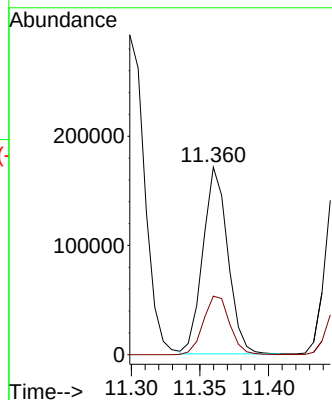
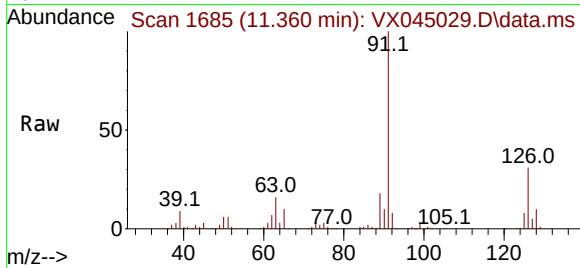




#79
2-Chlorotoluene
Concen: 49.409 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

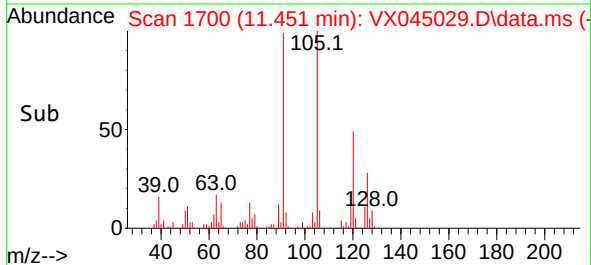
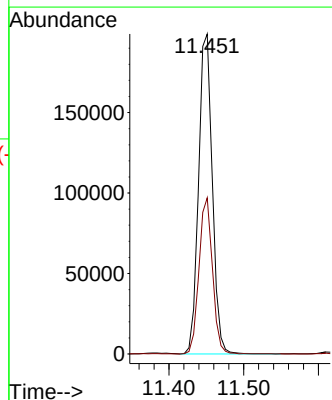
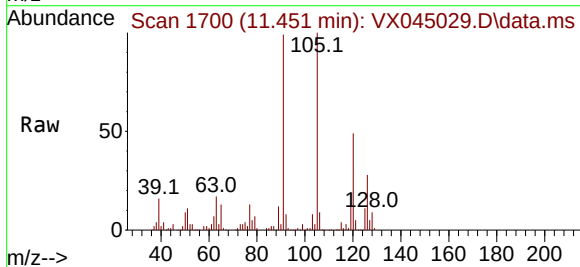
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

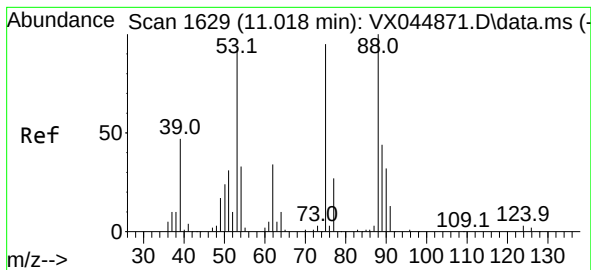
Tgt Ion: 91 Resp: 216519
Ion Ratio Lower Upper
91 100
126 33.2 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 50.543 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 105 Resp: 253369
Ion Ratio Lower Upper
105 100
120 47.9 24.0 72.0

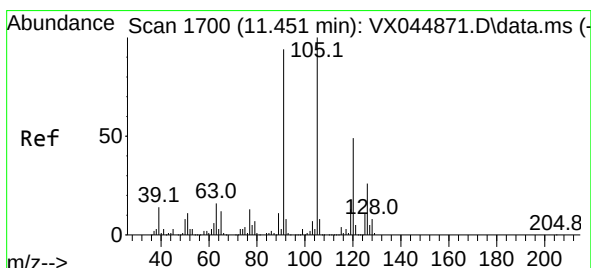
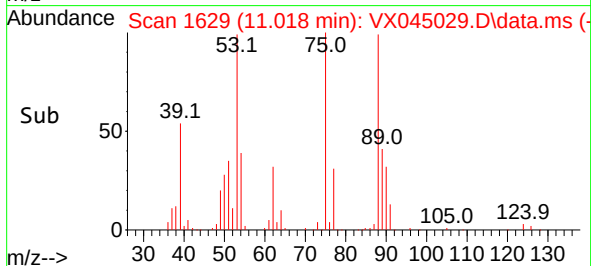
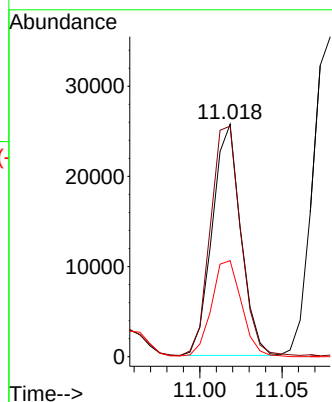
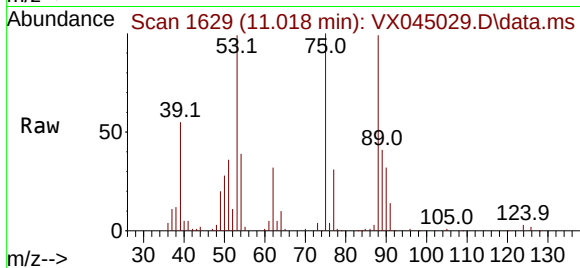




#81
trans-1,4-Dichloro-2-butene
Concen: 46.906 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

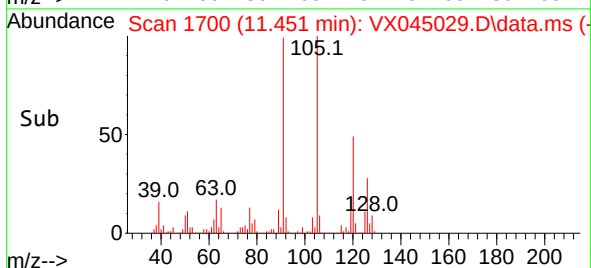
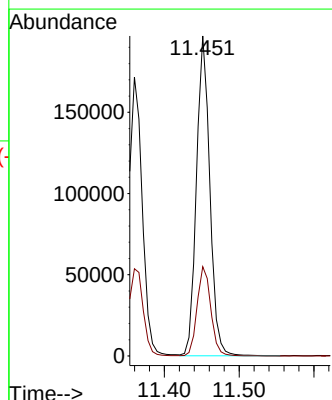
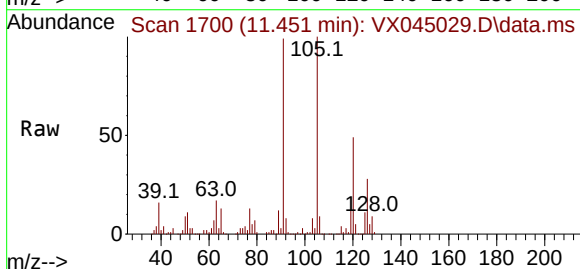
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

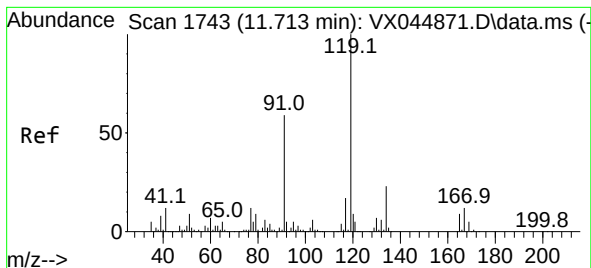
Tgt Ion: 75 Resp: 31017
Ion Ratio Lower Upper
75 100
53 107.7 78.0 117.0
89 43.8 36.6 54.8



#82
4-Chlorotoluene
Concen: 50.290 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 91 Resp: 243811
Ion Ratio Lower Upper
91 100
126 28.7 14.2 42.6





#83

tert-Butylbenzene

Concen: 50.829 ug/l

RT: 11.713 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

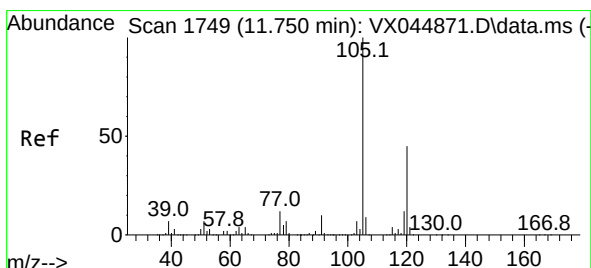
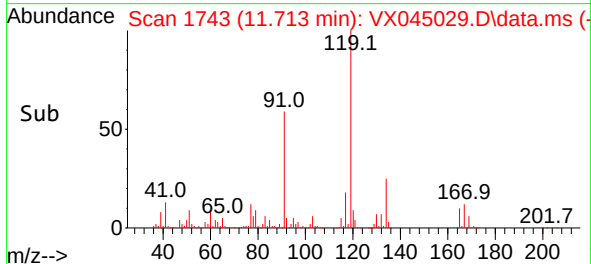
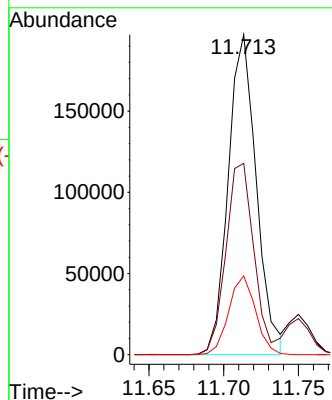
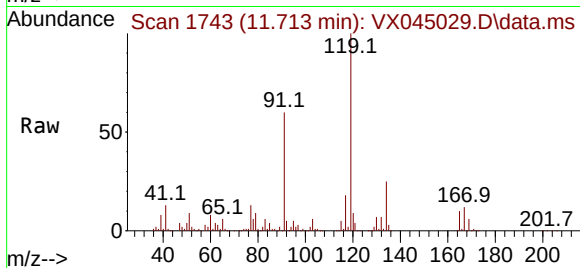
Tgt Ion:119 Resp: 257768

Ion Ratio Lower Upper

119 100

91 59.1 29.1 87.4

134 23.5 11.5 34.5



#84

1,2,4-Trimethylbenzene

Concen: 51.588 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX045029.D

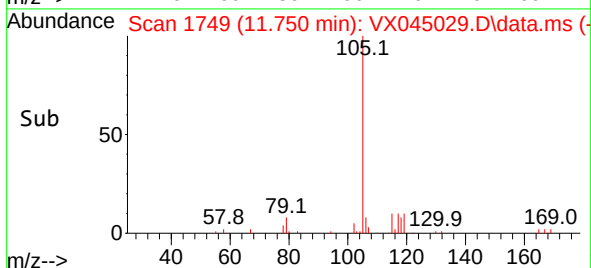
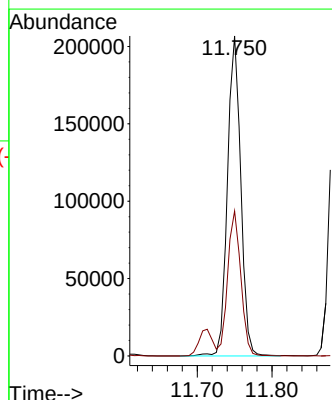
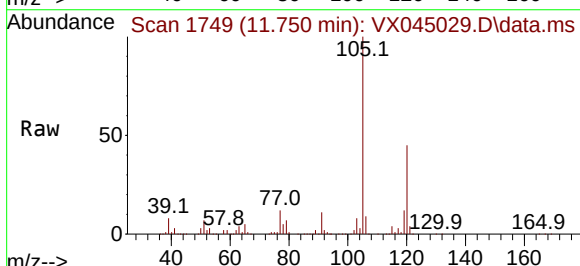
Acq: 25 Feb 2025 10:00

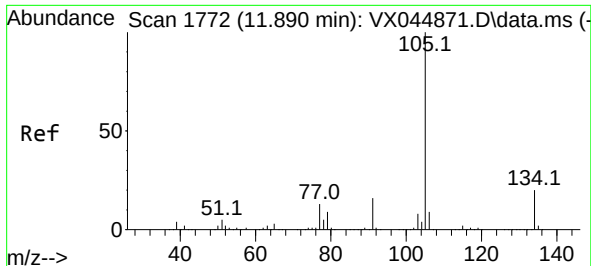
Tgt Ion:105 Resp: 255246

Ion Ratio Lower Upper

105 100

120 45.1 22.4 67.0

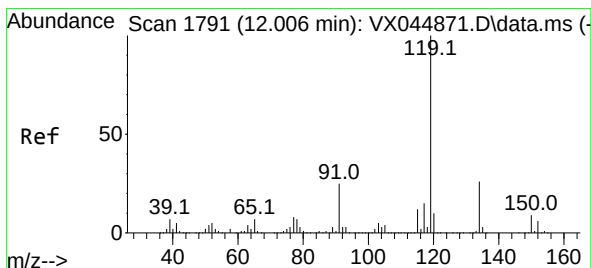
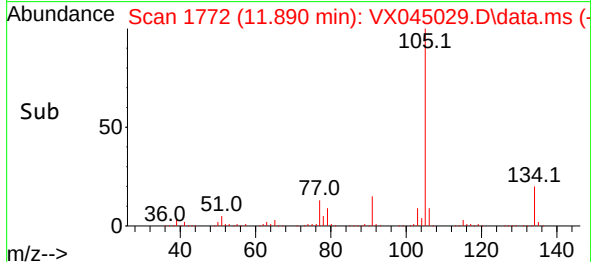
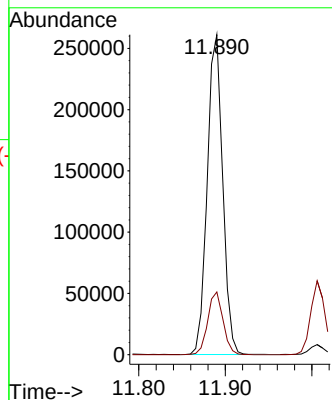
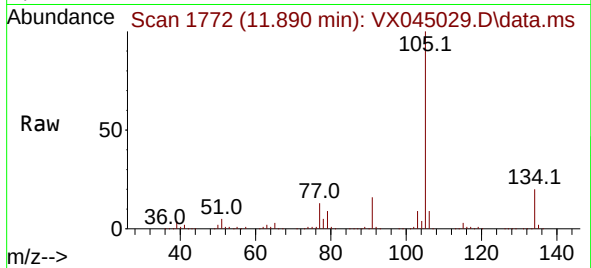




#85
sec-Butylbenzene
Concen: 51.431 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

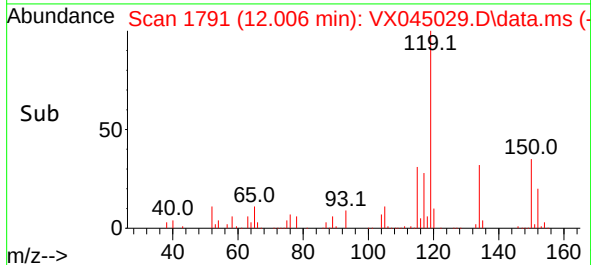
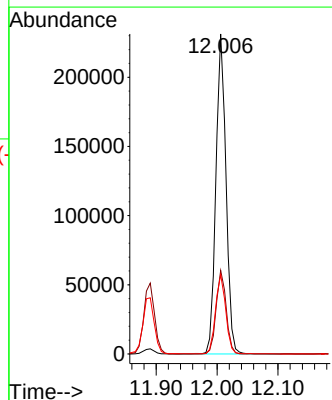
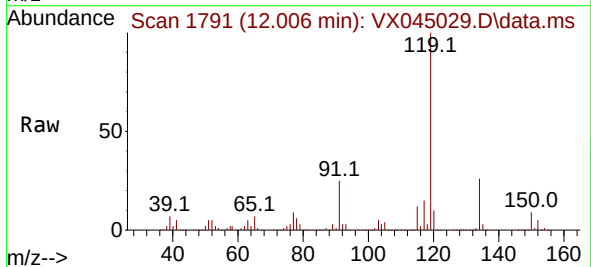
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

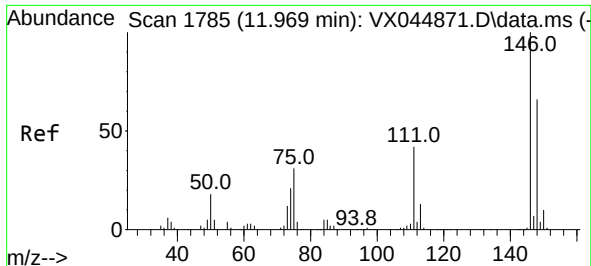
Tgt Ion:105 Resp: 322972
Ion Ratio Lower Upper
105 100
134 19.5 9.8 29.3



#86
p-Isopropyltoluene
Concen: 52.511 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion:119 Resp: 265185
Ion Ratio Lower Upper
119 100
134 26.0 13.0 38.9
91 24.9 12.1 36.3

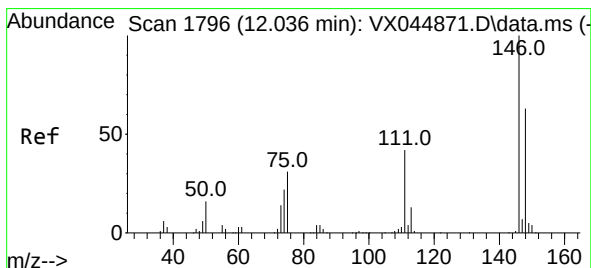
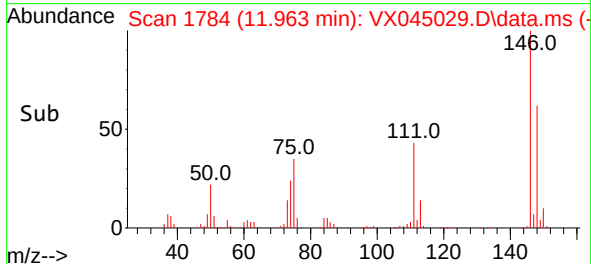
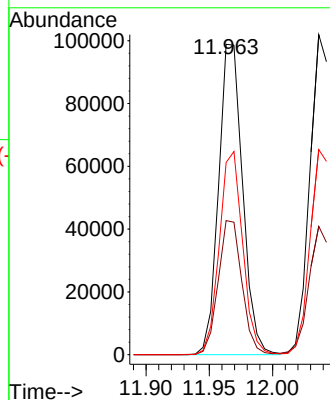
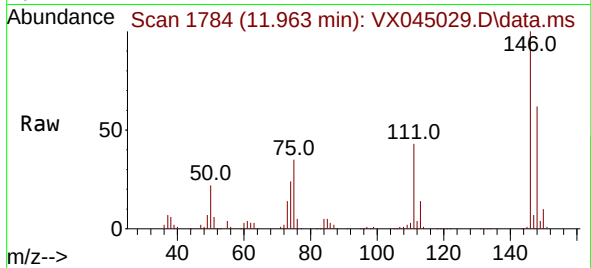




#87
 1,3-Dichlorobenzene
 Concen: 50.690 ug/l
 RT: 11.963 min Scan# 1784
 Delta R.T. -0.006 min
 Lab File: VX045029.D
 Acq: 25 Feb 2025 10:00

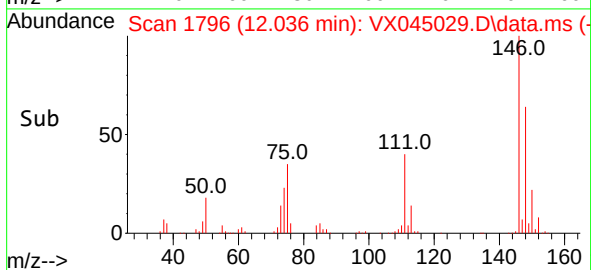
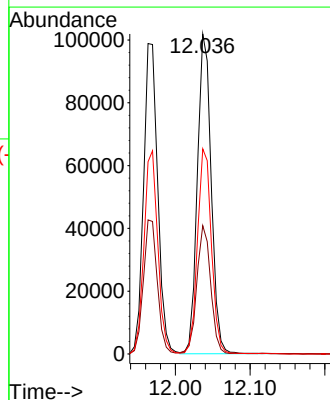
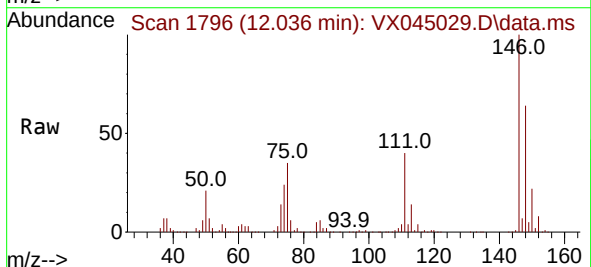
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

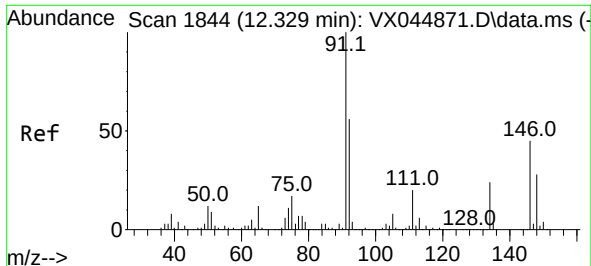
Tgt Ion:146 Resp: 130550
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.2 63.6
 148 63.7 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 50.162 ug/l
 RT: 12.036 min Scan# 1796
 Delta R.T. 0.000 min
 Lab File: VX045029.D
 Acq: 25 Feb 2025 10:00

Tgt Ion:146 Resp: 130623
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.4 61.3
 148 64.9 32.0 96.0





#89

n-Butylbenzene

Concen: 54.129 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

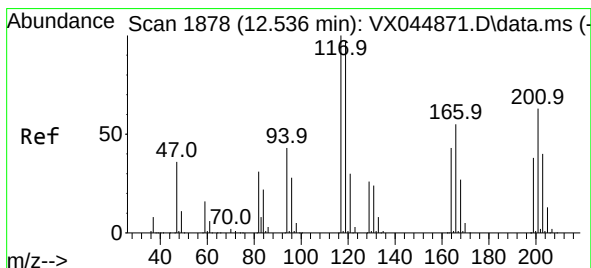
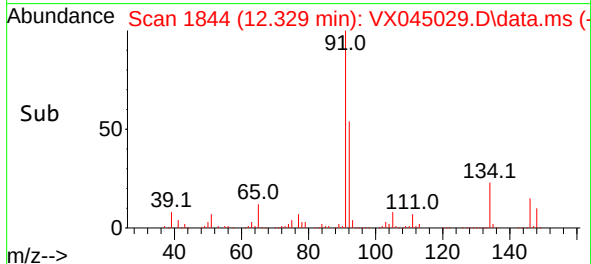
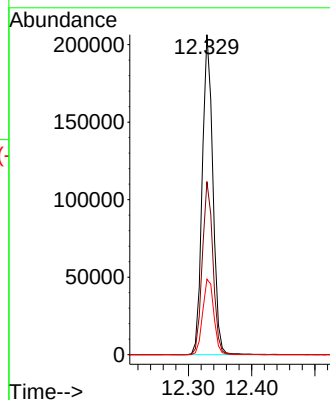
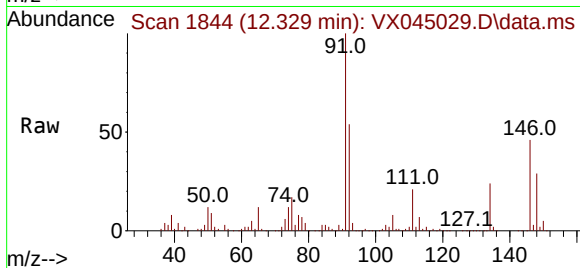
Tgt Ion: 91 Resp: 241837

Ion Ratio Lower Upper

91 100

92 54.3 27.2 81.6

134 24.8 12.1 36.3



#90

Hexachloroethane

Concen: 50.227 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX045029.D

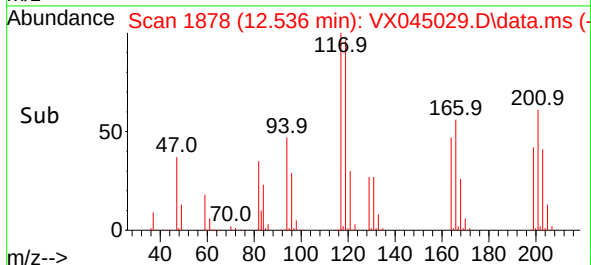
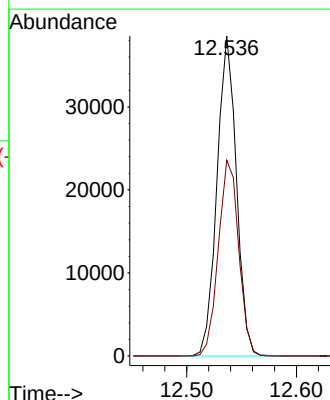
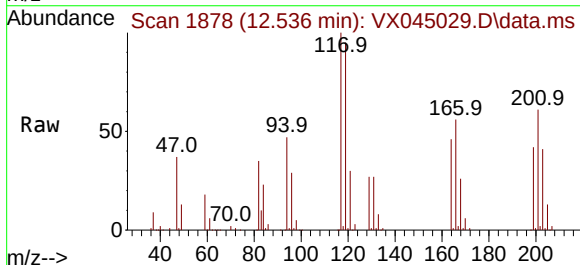
Acq: 25 Feb 2025 10:00

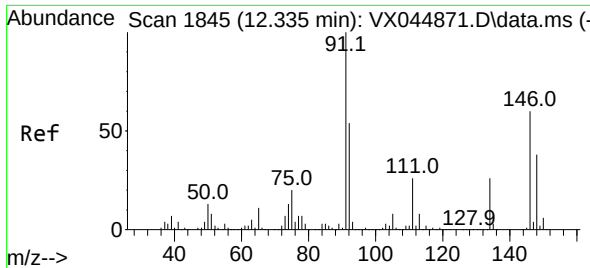
Tgt Ion: 117 Resp: 47494

Ion Ratio Lower Upper

117 100

201 64.1 32.5 97.5

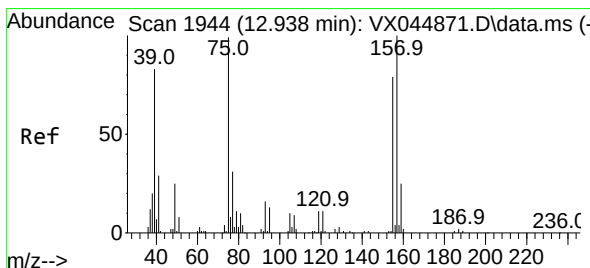
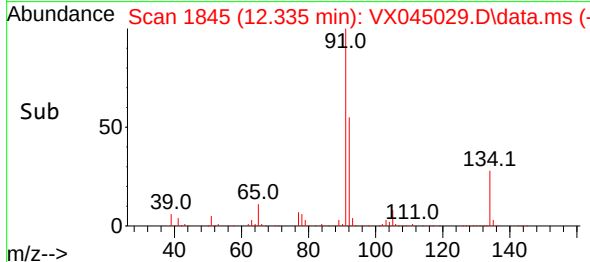
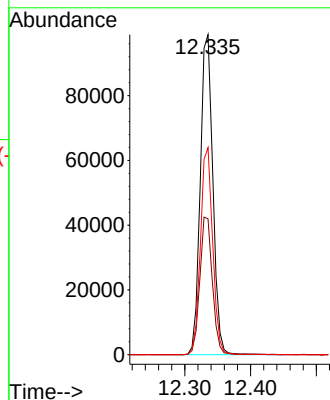
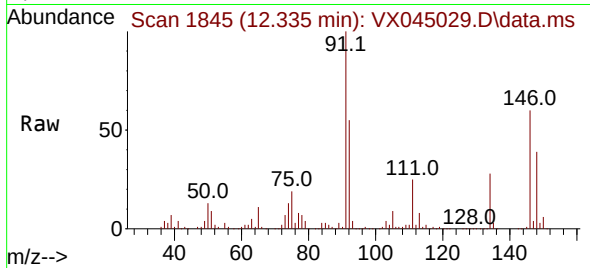




#91
1,2-Dichlorobenzene
Concen: 51.908 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

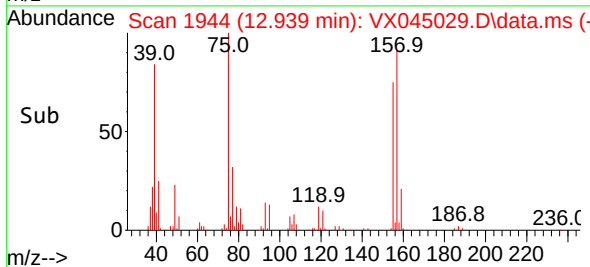
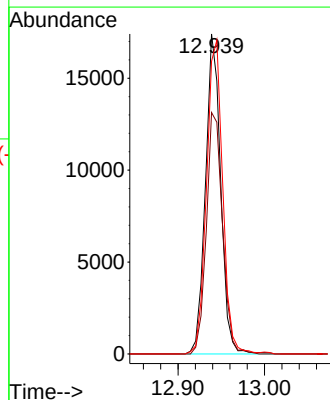
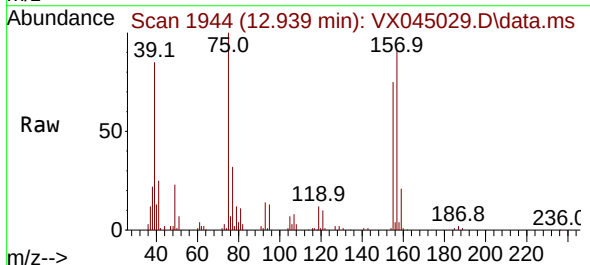
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

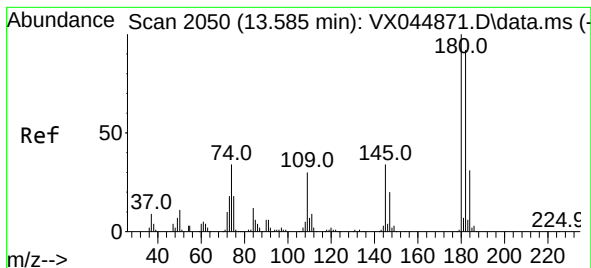
Tgt Ion:146 Resp: 131390
Ion Ratio Lower Upper
146 100
111 43.0 21.8 65.4
148 62.9 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 54.762 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045029.D
Acq: 25 Feb 2025 10:00

Tgt Ion: 75 Resp: 21216
Ion Ratio Lower Upper
75 100
155 80.2 40.5 121.4
157 104.5 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 53.815 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

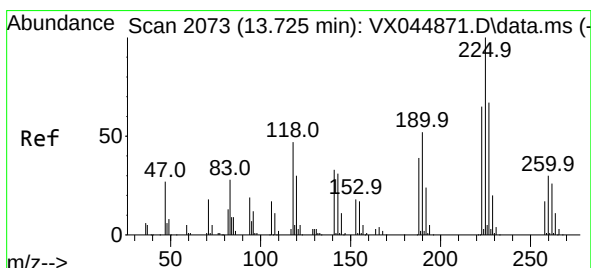
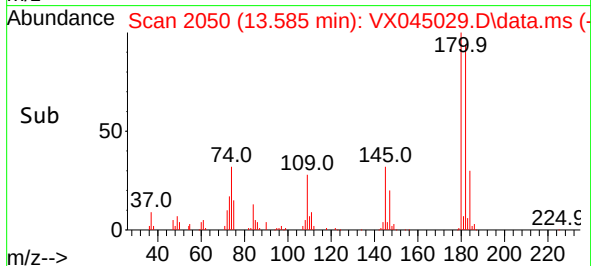
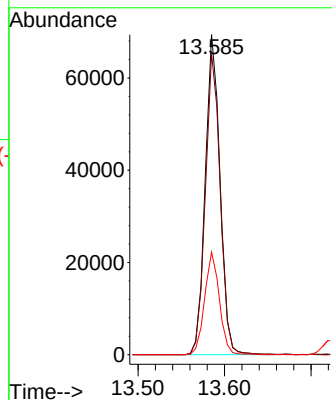
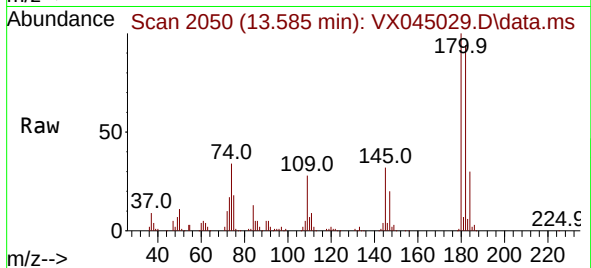
Tgt Ion:180 Resp: 82426

Ion Ratio Lower Upper

180 100

182 94.4 47.6 142.8

145 31.9 16.4 49.1



#94

Hexachlorobutadiene

Concen: 54.720 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

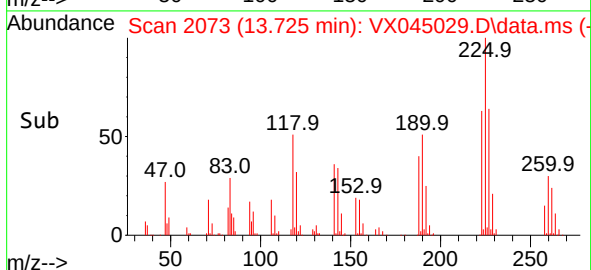
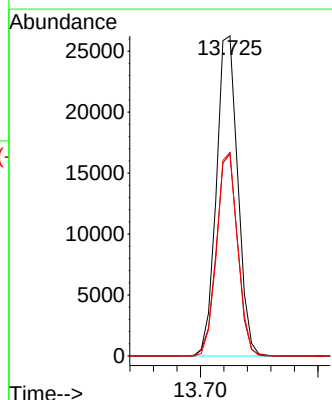
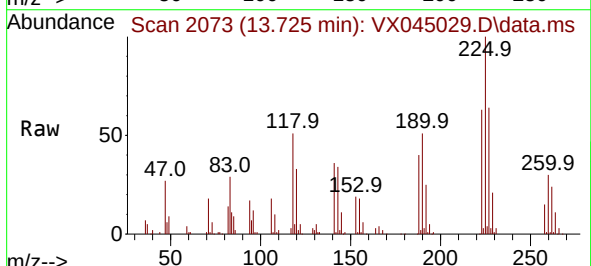
Tgt Ion:225 Resp: 33272

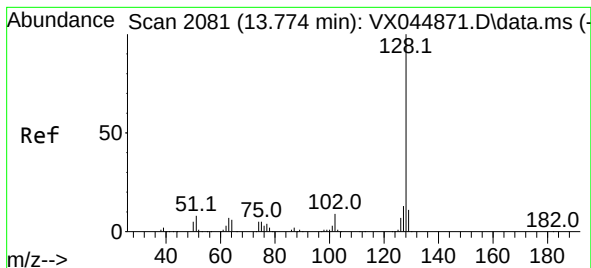
Ion Ratio Lower Upper

225 100

223 62.3 31.4 94.2

227 62.2 32.3 96.8





#95

Naphthalene

Concen: 53.704 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

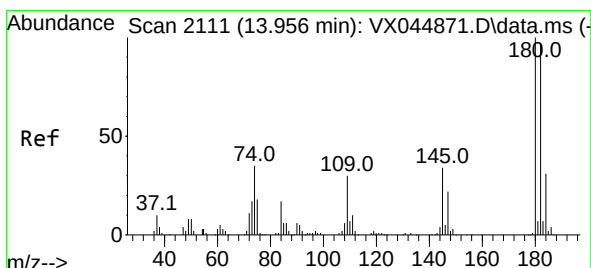
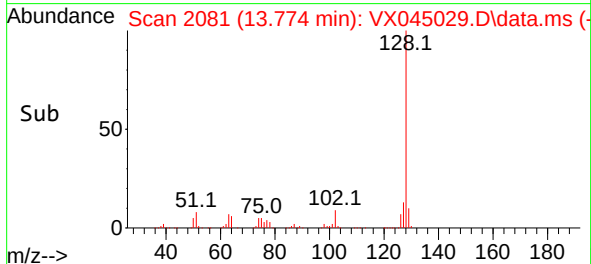
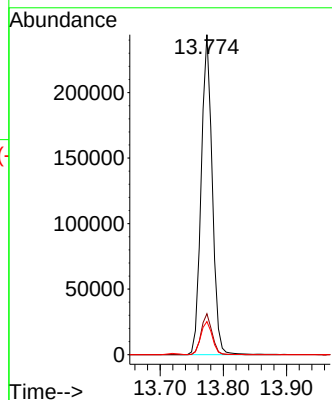
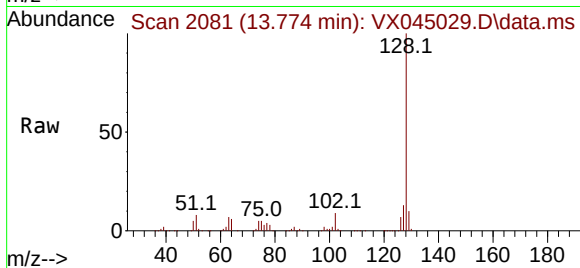
Tgt Ion:128 Resp: 297344

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

129 10.8 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 53.834 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. 0.000 min

Lab File: VX045029.D

Acq: 25 Feb 2025 10:00

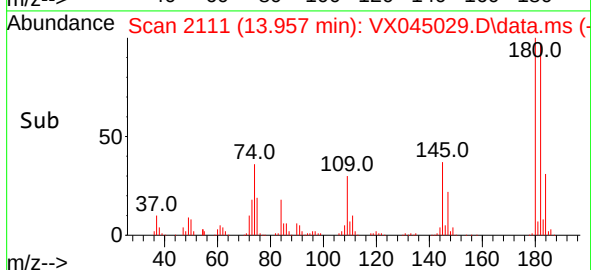
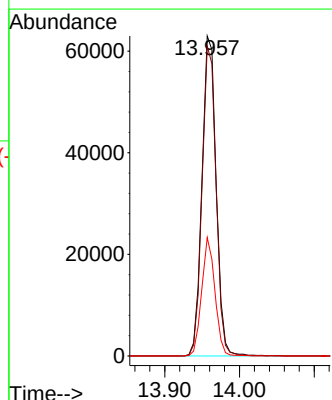
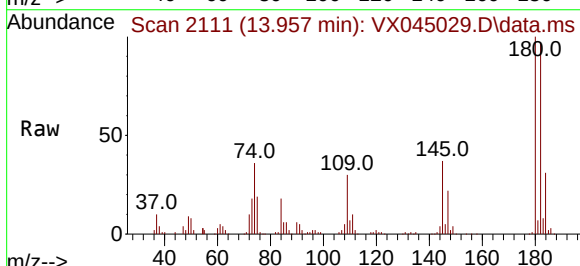
Tgt Ion:180 Resp: 83085

Ion Ratio Lower Upper

180 100

182 95.4 47.9 143.6

145 34.5 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
 Data File : VX045032.D
 Acq On : 25 Feb 2025 12:30
 Operator : JC/MD
 Sample : VX0225WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0225WBS01

Quant Time: Feb 26 03:13:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	112915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	200483	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	175398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	80174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	87564	52.977	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.960%	
35) Dibromofluoromethane	5.379	113	68805	52.786	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.580%	
50) Toluene-d8	8.647	98	249185	50.555	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.120%	
62) 4-Bromofluorobenzene	11.079	95	85680	51.563	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.120%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	28050	17.712	ug/l	100
3) Chloromethane	1.307	50	29473	15.291	ug/l	97
4) Vinyl Chloride	1.374	62	30981	16.591	ug/l	99
5) Bromomethane	1.593	94	11486	20.556	ug/l	97
6) Chloroethane	1.672	64	16625	21.104	ug/l	98
7) Trichlorofluoromethane	1.880	101	43909	18.594	ug/l	97
8) Diethyl Ether	2.136	74	16376	19.122	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	27245	19.096	ug/l	100
10) Methyl Iodide	2.447	142	25726	13.913	ug/l	96
11) Tert butyl alcohol	2.971	59	33544	109.394	ug/l	99
12) 1,1-Dichloroethene	2.312	96	24745	17.002	ug/l	97
13) Acrolein	2.233	56	25019	79.081	ug/l	97
14) Allyl chloride	2.660	41	47611	18.101	ug/l	96
15) Acrylonitrile	3.062	53	87273	106.598	ug/l	98
16) Acetone	2.380	43	75220	113.203	ug/l	96
17) Carbon Disulfide	2.501	76	61168	15.327	ug/l	99
18) Methyl Acetate	2.703	43	51568	24.593	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	86972	18.782	ug/l	98
20) Methylene Chloride	2.782	84	30031	18.452	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	25284	17.651	ug/l	92
22) Diisopropyl ether	3.757	45	96394	19.371	ug/l #	86
23) Vinyl Acetate	3.721	43	389594	96.035	ug/l	100
24) 1,1-Dichloroethane	3.605	63	51948	18.657	ug/l	99
25) 2-Butanone	4.556	43	125165	116.004	ug/l	95
26) 2,2-Dichloropropane	4.471	77	39084	17.701	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	32345	18.799	ug/l	98
28) Bromochloromethane	4.897	49	28300	21.150	ug/l	99
29) Tetrahydrofuran	5.007	42	82477	115.117	ug/l	96
30) Chloroform	5.092	83	52851	19.573	ug/l	92
31) Cyclohexane	5.470	56	43850	17.083	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	42871	18.718	ug/l	98
36) 1,1-Dichloropropene	5.690	75	35238	18.738	ug/l	98
37) Ethyl Acetate	4.714	43	44803	21.419	ug/l	99
38) Carbon Tetrachloride	5.672	117	36171	19.628	ug/l	95
39) Methylcyclohexane	7.373	83	44297	18.220	ug/l	99
40) Benzene	6.031	78	112321	19.128	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
 Data File : VX045032.D
 Acq On : 25 Feb 2025 12:30
 Operator : JC/MD
 Sample : VX0225WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0225WBS01

Quant Time: Feb 26 03:13:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	25608	22.872	ug/l	98
42) 1,2-Dichloroethane	6.086	62	39901	21.320	ug/l	99
43) Isopropyl Acetate	6.342	43	72051	21.331	ug/l	98
44) Trichloroethene	7.123	130	25763	19.194	ug/l	99
45) 1,2-Dichloropropane	7.427	63	28923	19.798	ug/l	96
46) Dibromomethane	7.580	93	20964	20.692	ug/l	98
47) Bromodichloromethane	7.818	83	40022	20.401	ug/l	99
48) Methyl methacrylate	7.690	41	34929	21.931	ug/l	97
49) 1,4-Dioxane	7.659	88	15255	446.435	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	244157	118.897	ug/l	97
52) Toluene	8.714	92	68535	19.597	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	37069	18.673	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	42772	19.324	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	27858	20.722	ug/l	97
56) Ethyl methacrylate	9.116	69	43256	19.922	ug/l	97
57) 1,3-Dichloropropane	9.305	76	48017	20.413	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	93678	87.867	ug/l	100
59) 2-Hexanone	9.427	43	178305	120.511	ug/l	97
60) Dibromochloromethane	9.518	129	29060	20.212	ug/l	99
61) 1,2-Dibromoethane	9.610	107	27734	20.354	ug/l	98
64) Tetrachloroethene	9.275	164	21268	19.227	ug/l	95
65) Chlorobenzene	10.079	112	73498	19.510	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	23471	19.356	ug/l	97
67) Ethyl Benzene	10.189	91	126463	19.022	ug/l	99
68) m/p-Xylenes	10.299	106	95213	38.825	ug/l	100
69) o-Xylene	10.640	106	47911	19.470	ug/l	100
70) Styrene	10.652	104	79389	20.025	ug/l	99
71) Bromoform	10.799	173	18971	20.964	ug/l #	100
73) Isopropylbenzene	10.957	105	122826	19.026	ug/l	100
74) N-amyl acetate	10.841	43	56740	19.423	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	43721	19.709	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	43908	24.701	ug/l	86
77) Bromobenzene	11.195	156	29066	19.860	ug/l	93
78) n-propylbenzene	11.305	91	140796	18.896	ug/l	100
79) 2-Chlorotoluene	11.360	91	85351	18.638	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	101697	19.413	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	11282	16.327	ug/l	87
82) 4-Chlorotoluene	11.451	91	95392	18.828	ug/l	98
83) tert-Butylbenzene	11.713	119	103475	19.525	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	101154	19.564	ug/l	98
85) sec-Butylbenzene	11.890	105	125785	19.167	ug/l	100
86) p-Isopropyltoluene	12.006	119	100881	19.116	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	50150	18.633	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	50714	18.636	ug/l	99
89) n-Butylbenzene	12.329	91	87150	18.666	ug/l	99
90) Hexachloroethane	12.536	117	18072	18.288	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	50875	19.233	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8167	20.172	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	28457	17.779	ug/l	99
94) Hexachlorobutadiene	13.725	225	12009	18.900	ug/l	98
95) Naphthalene	13.774	128	109343	18.898	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	29764	18.454	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045032.D
Acq On : 25 Feb 2025 12:30
Operator : JC/MD
Sample : VX0225WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Quant Time: Feb 26 03:13:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

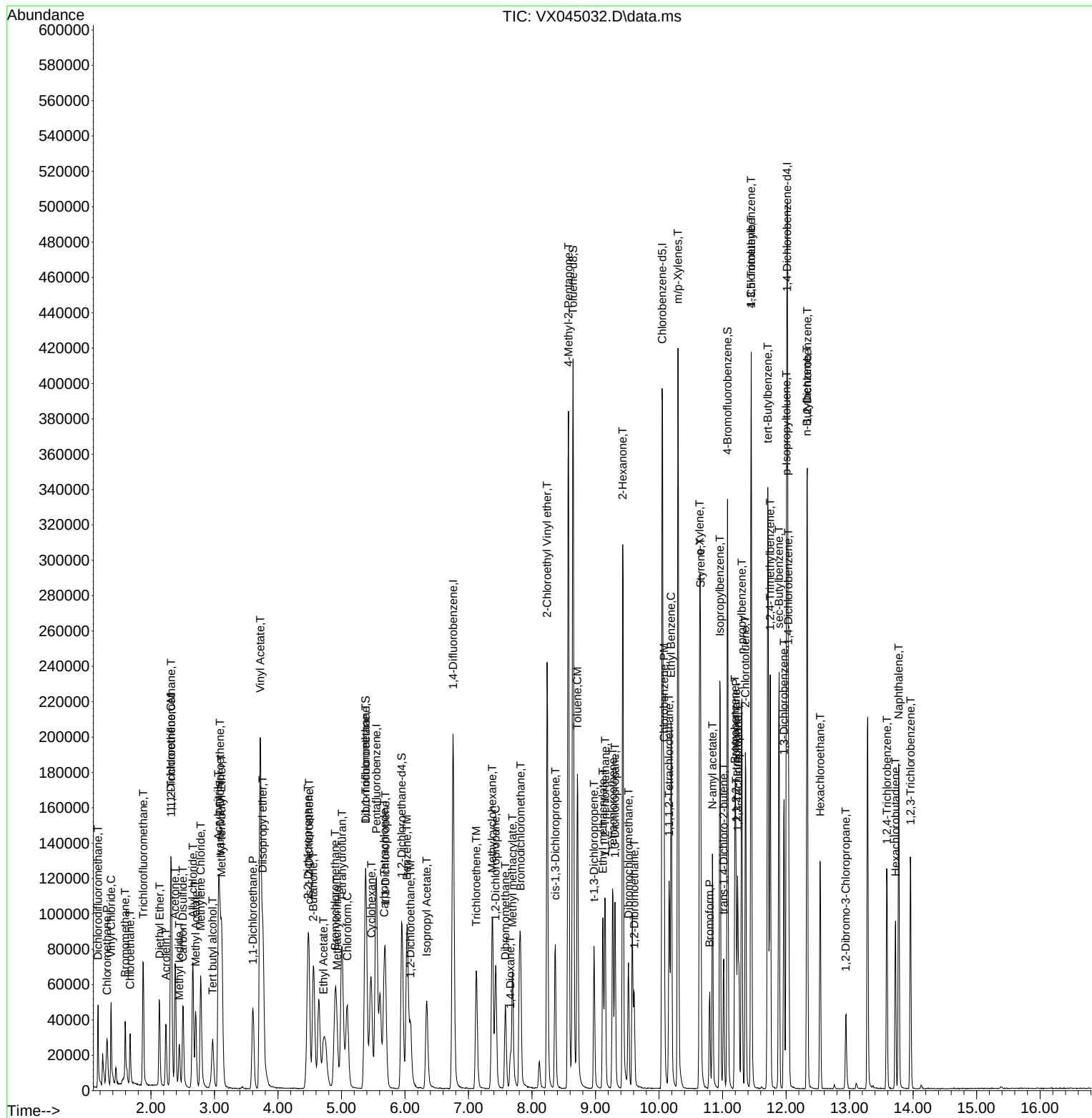
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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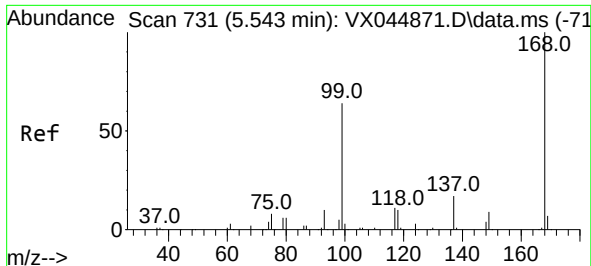
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045032.D
Acq On : 25 Feb 2025 12:30
Operator : JC/MD
Sample : VX0225WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Quant Time: Feb 26 03:13:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

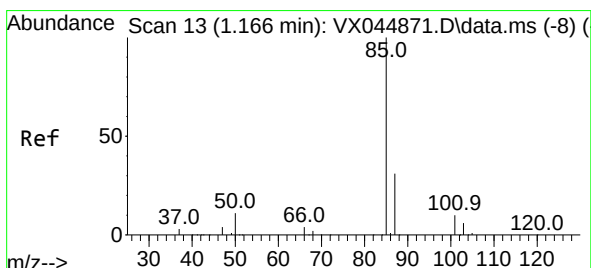
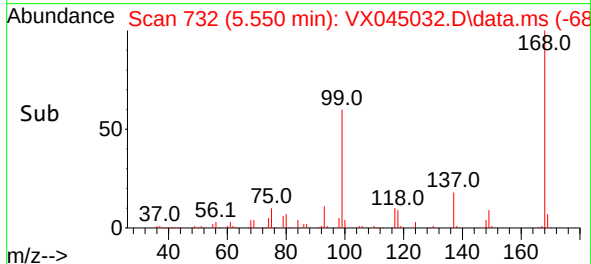
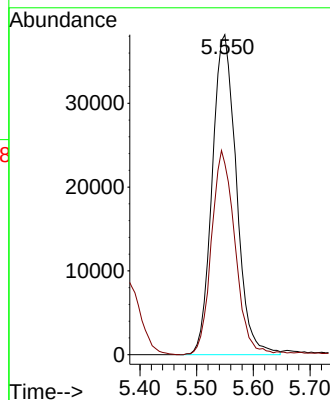
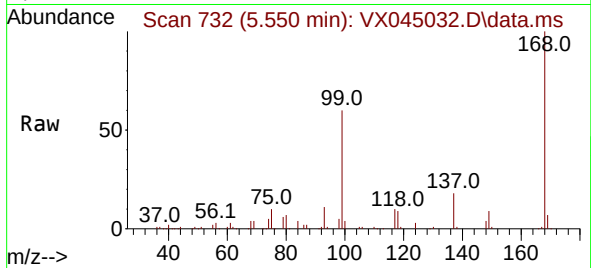




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

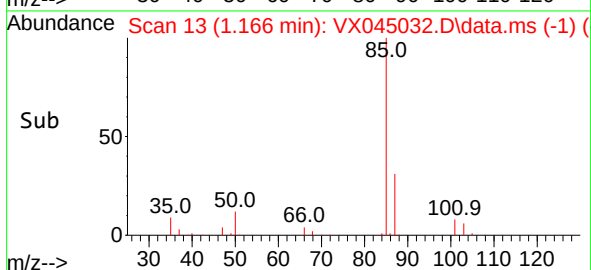
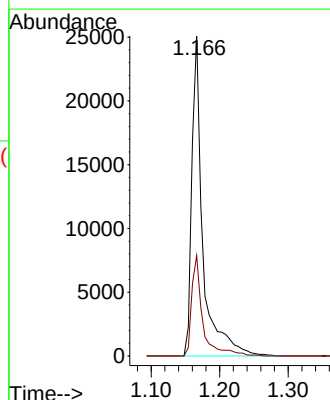
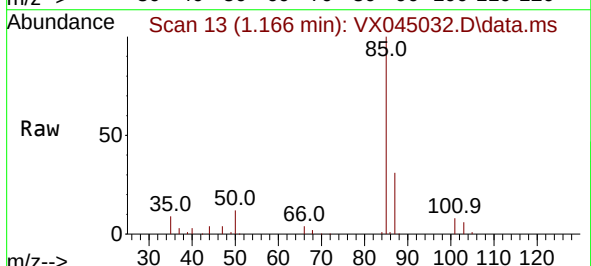
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

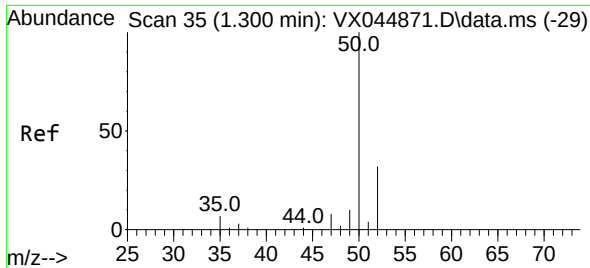
Tgt Ion:168 Resp: 112915
Ion Ratio Lower Upper
168 100
99 59.7 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 17.712 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 85 Resp: 28050
Ion Ratio Lower Upper
85 100
87 31.4 15.8 47.3

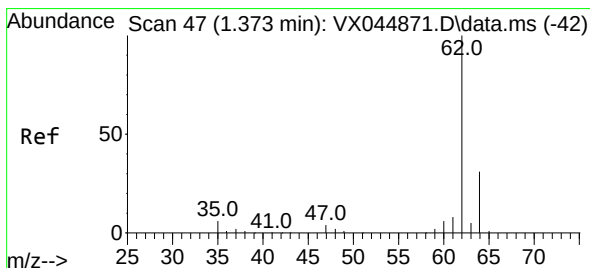
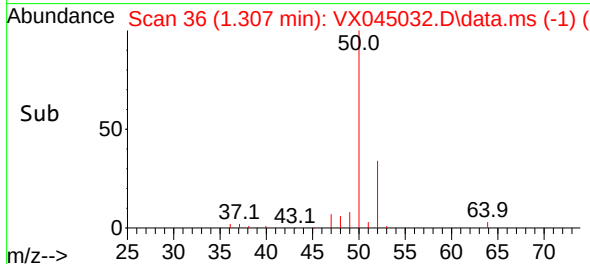
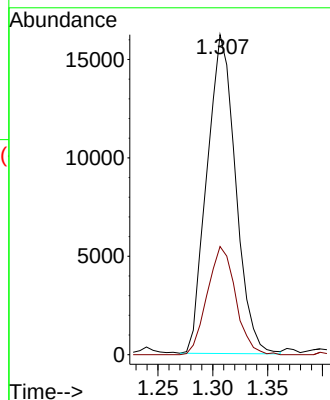
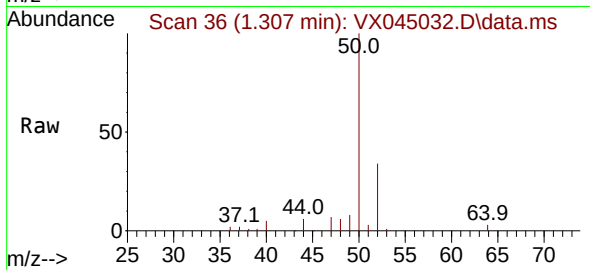




#3
Chloromethane
Concen: 15.291 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

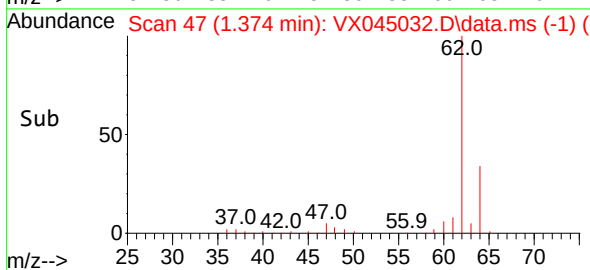
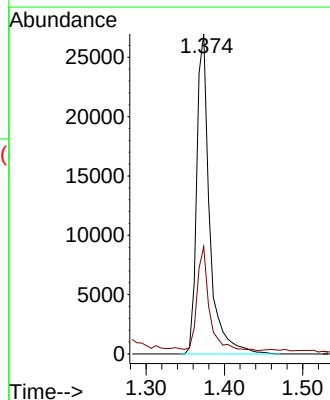
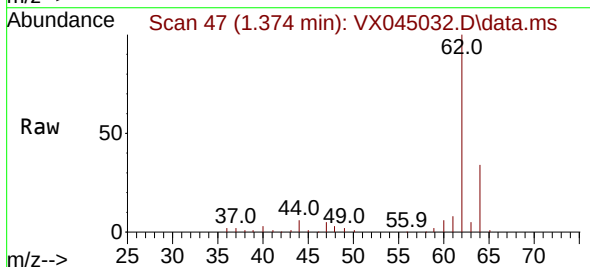
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

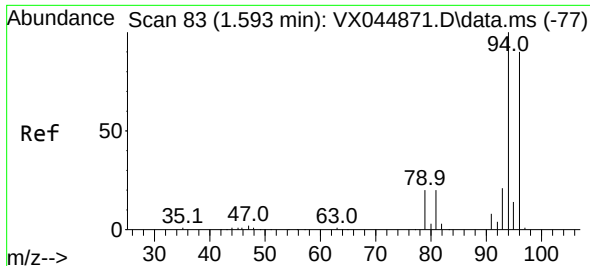
Tgt Ion: 50 Resp: 29473
Ion Ratio Lower Upper
50 100
52 34.0 25.9 38.9



#4
Vinyl Chloride
Concen: 16.591 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 62 Resp: 30981
Ion Ratio Lower Upper
62 100
64 32.4 25.4 38.0

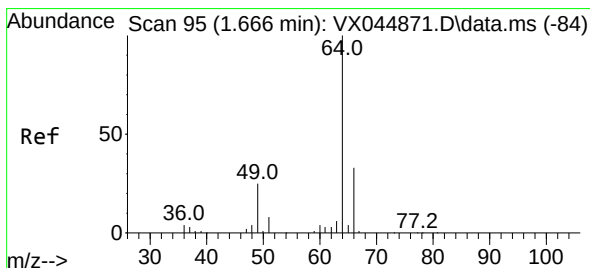
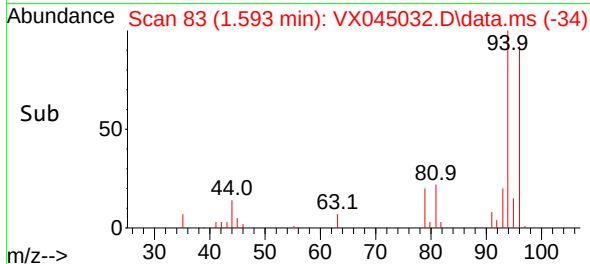
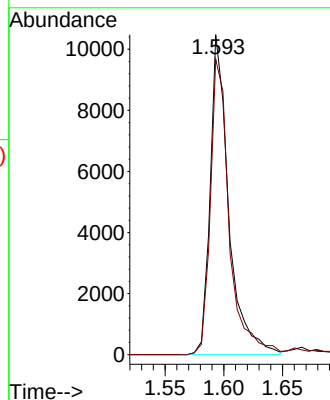
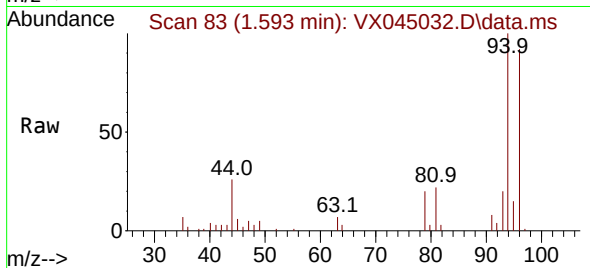




#5
Bromomethane
Concen: 20.556 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

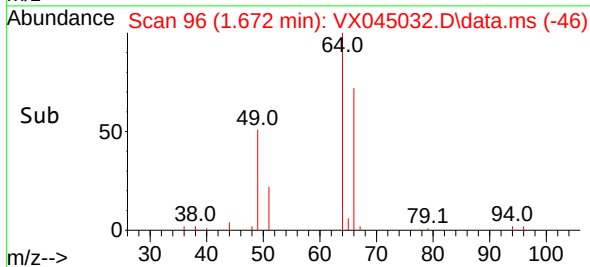
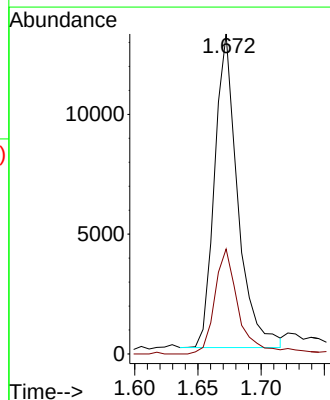
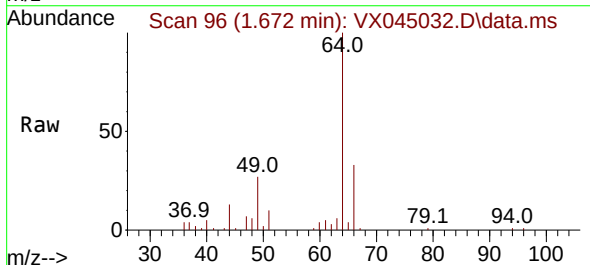
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

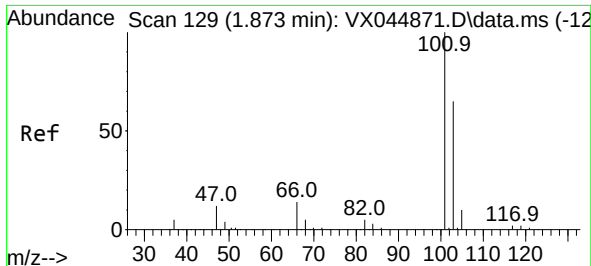
Tgt Ion: 94 Resp: 11486
Ion Ratio Lower Upper
94 100
96 92.4 71.6 107.4



#6
Chloroethane
Concen: 21.104 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 64 Resp: 16625
Ion Ratio Lower Upper
64 100
66 33.5 25.9 38.9

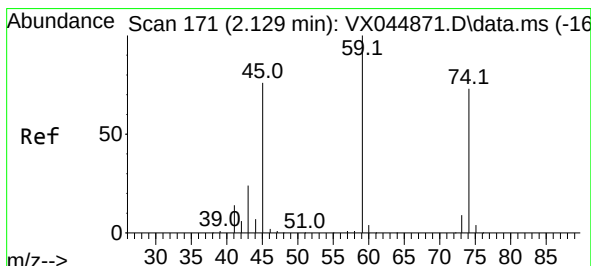
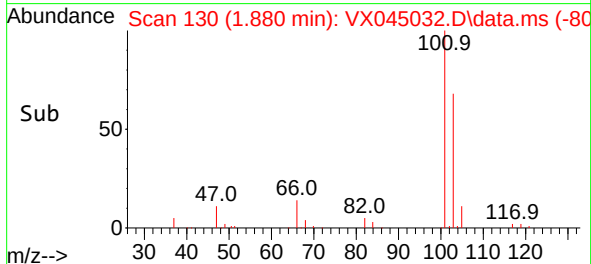
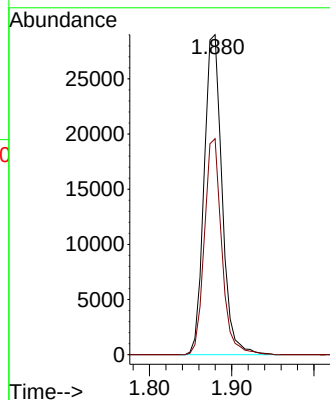
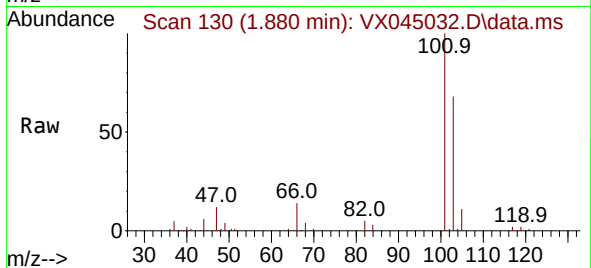




#7
Trichlorofluoromethane
Concen: 18.594 ug/l
RT: 1.880 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

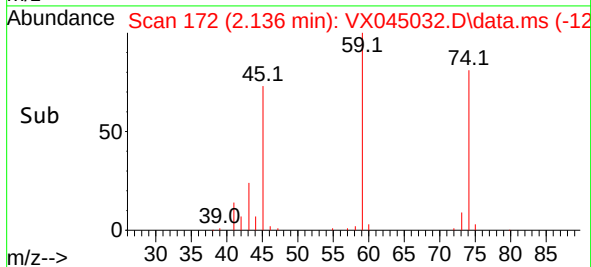
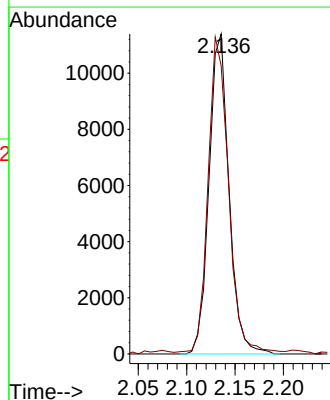
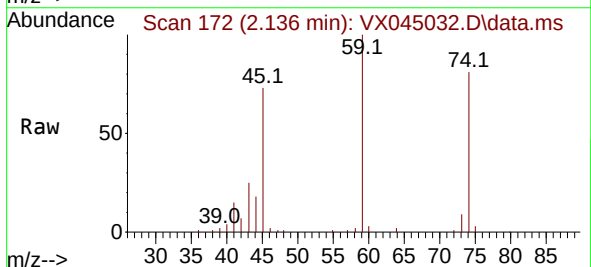
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

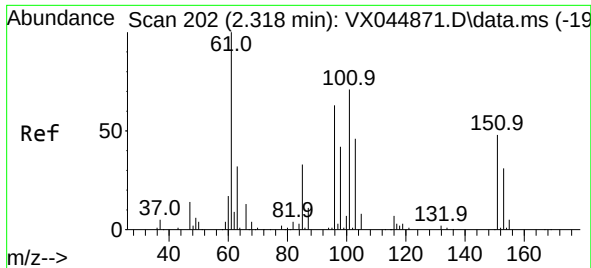
Tgt Ion:101 Resp: 43909
Ion Ratio Lower Upper
101 100
103 67.5 52.4 78.6



#8
Diethyl Ether
Concen: 19.122 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.007 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 74 Resp: 16376
Ion Ratio Lower Upper
74 100
45 99.4 51.1 153.4

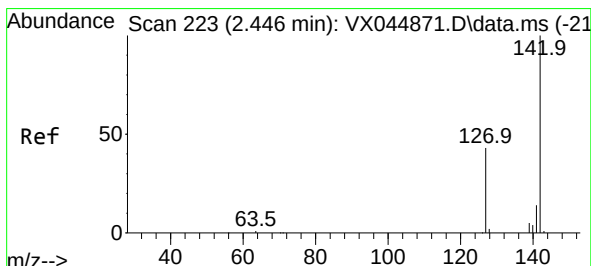
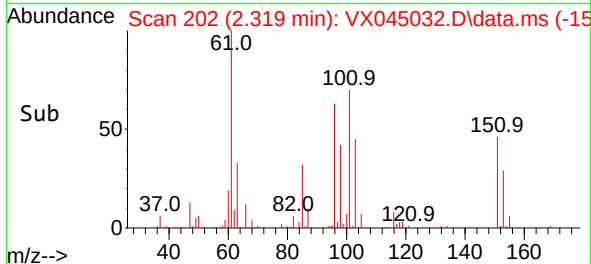
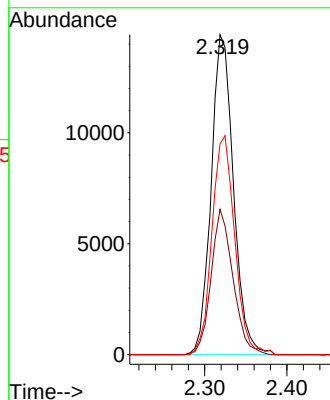
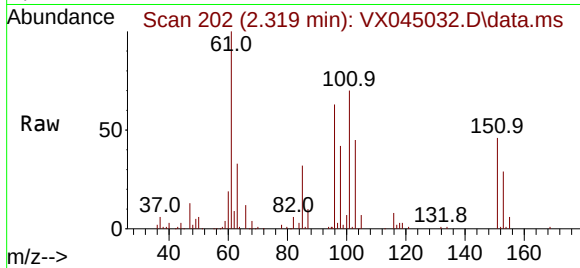




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.096 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

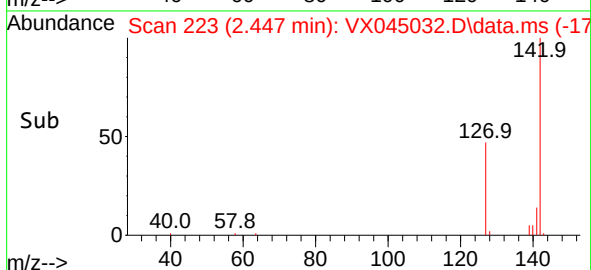
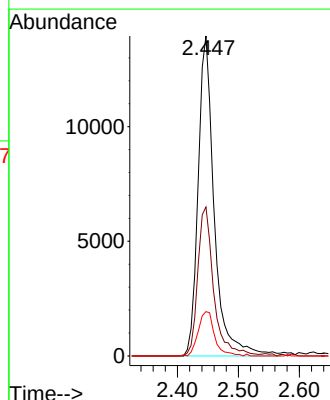
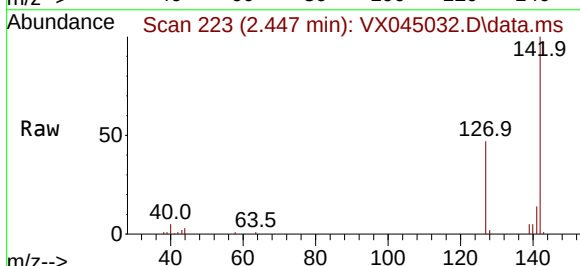
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

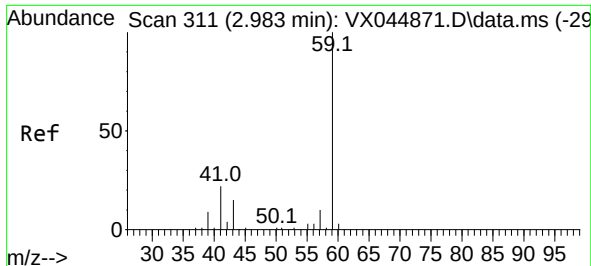
Tgt Ion:101	Resp:	27245
Ion Ratio	Lower	Upper
101	100	
85	44.6	35.7 53.5
151	70.0	56.0 84.0



#10
Methyl Iodide
Concen: 13.913 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:142	Resp:	25726
Ion Ratio	Lower	Upper
142	100	
127	45.9	34.3 51.5
141	14.1	11.4 17.2





#11

Tert butyl alcohol

Concen: 109.394 ug/l

RT: 2.971 min Scan# 30

Delta R.T. -0.012 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

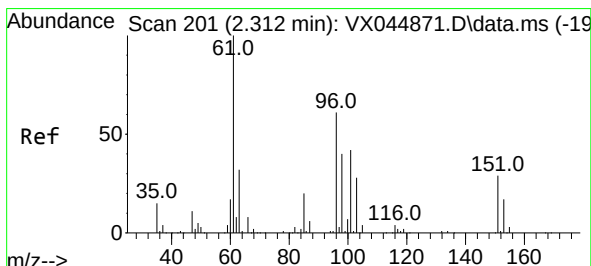
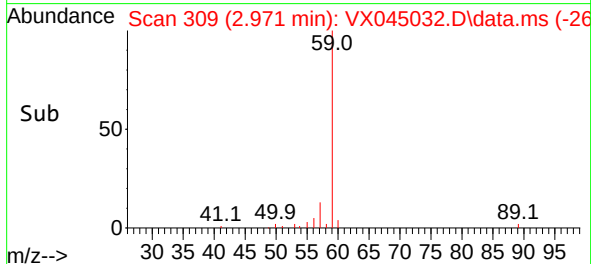
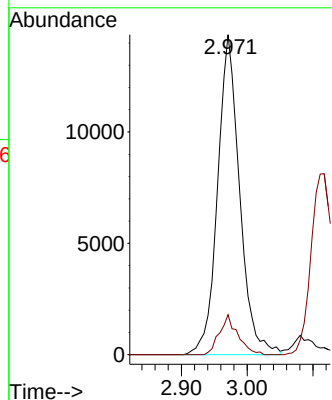
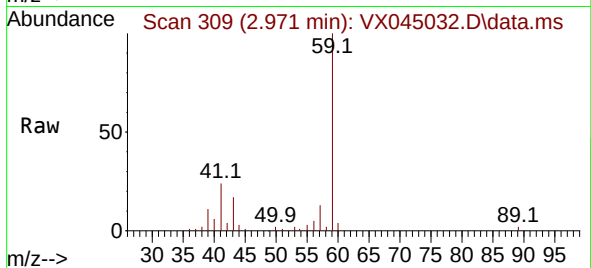
VX0225WBS01

Tgt Ion: 59 Resp: 33544

Ion Ratio Lower Upper

59 100

57 10.4 8.1 12.1



#12

1,1-Dichloroethene

Concen: 17.002 ug/l

RT: 2.312 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

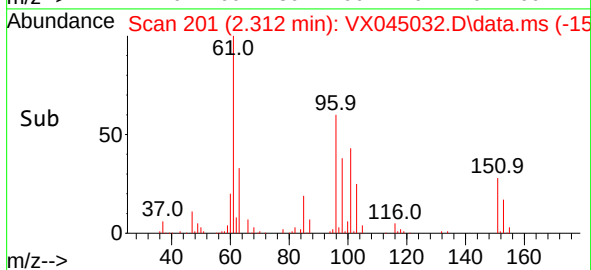
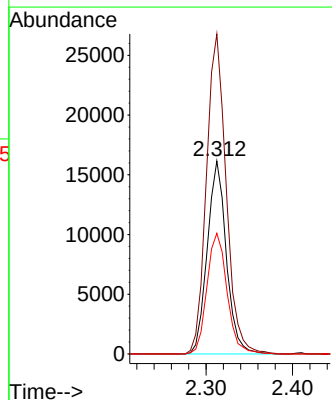
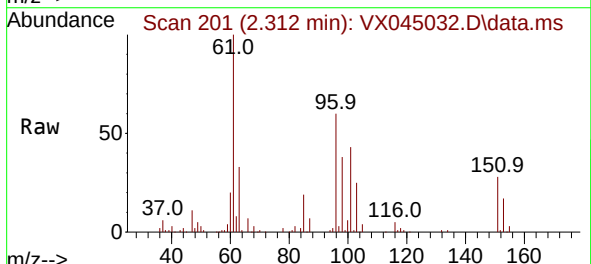
Tgt Ion: 96 Resp: 24745

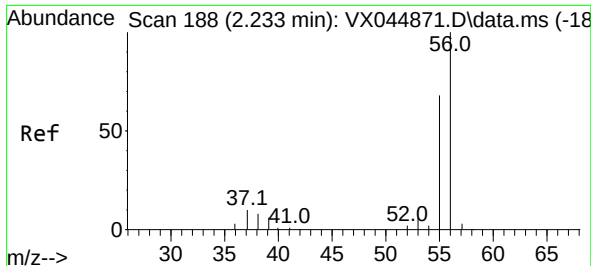
Ion Ratio Lower Upper

96 100

61 165.9 130.2 195.4

98 62.5 52.2 78.4





#13

Acrolein

Concen: 79.081 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

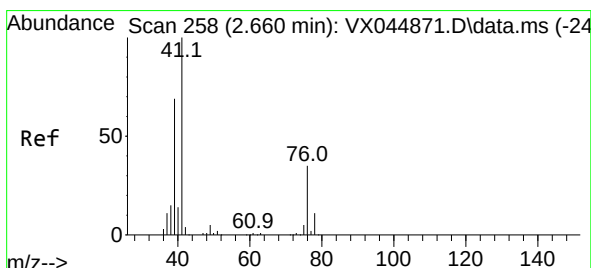
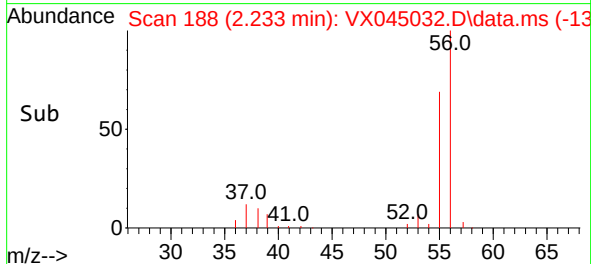
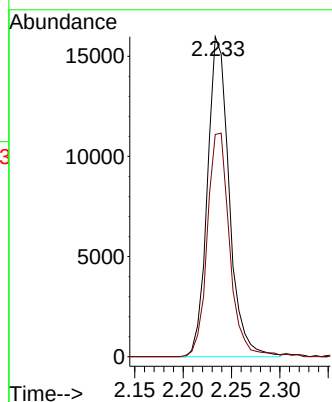
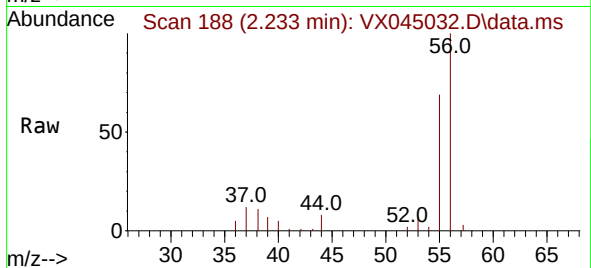
VX0225WBS01

Tgt Ion: 56 Resp: 25019

Ion Ratio Lower Upper

56 100

55 72.2 55.7 83.5



#14

Allyl chloride

Concen: 18.101 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

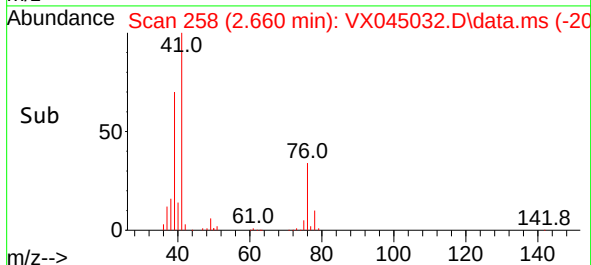
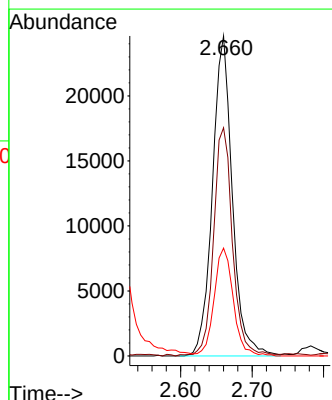
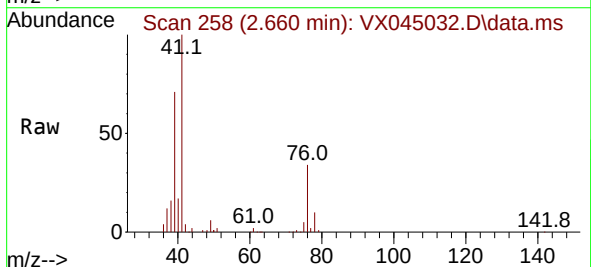
Tgt Ion: 41 Resp: 47611

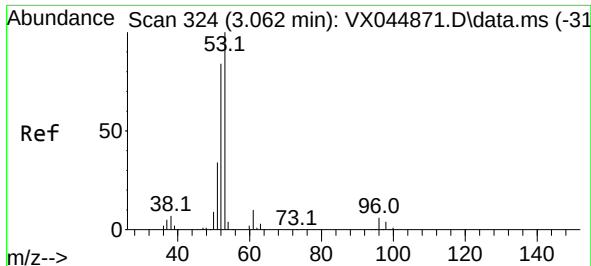
Ion Ratio Lower Upper

41 100

39 67.9 51.4 77.2

76 32.5 27.0 40.4

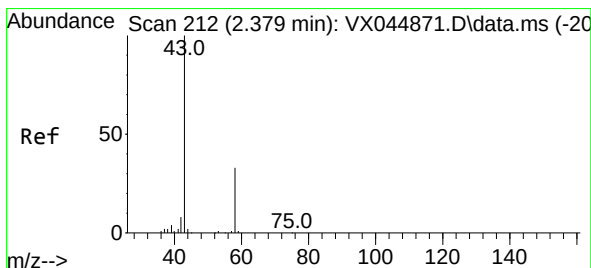
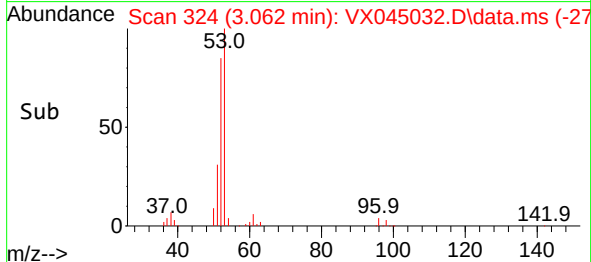
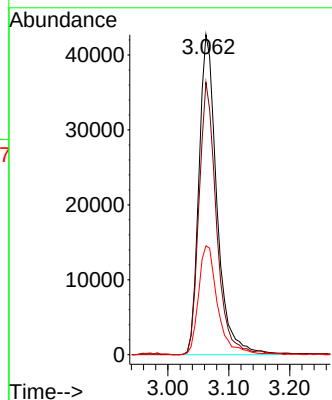
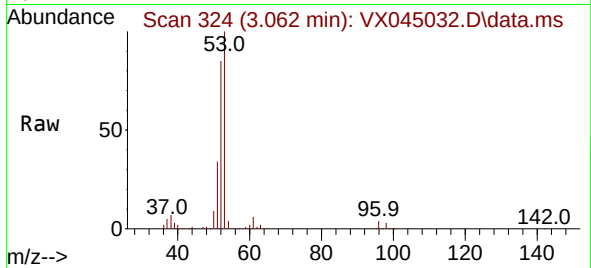




#15
Acrylonitrile
Concen: 106.598 ug/l
RT: 3.062 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

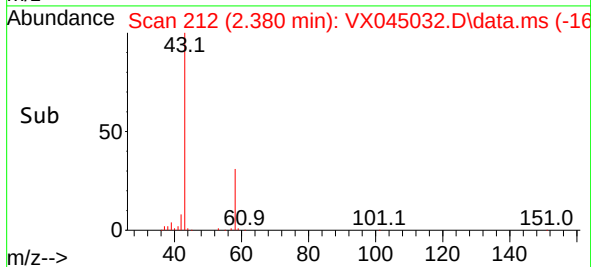
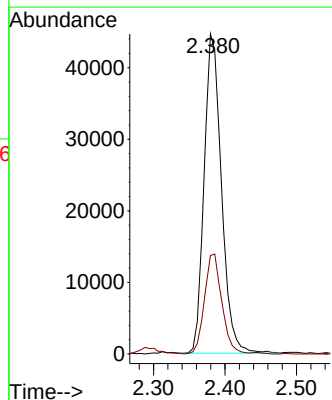
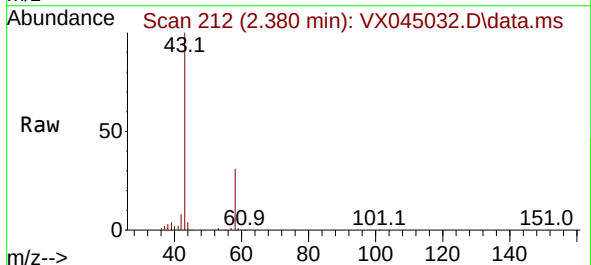
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

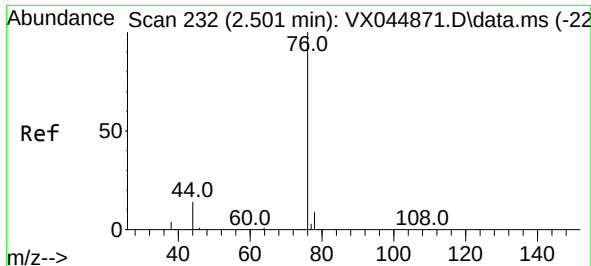
Tgt Ion: 53	Resp: 87273
Ion Ratio	Lower Upper
53 100	
52 83.2	65.0 97.6
51 36.5	28.0 42.0



#16
Acetone
Concen: 113.203 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 43	Resp: 75220
Ion Ratio	Lower Upper
43 100	
58 30.8	26.5 39.7

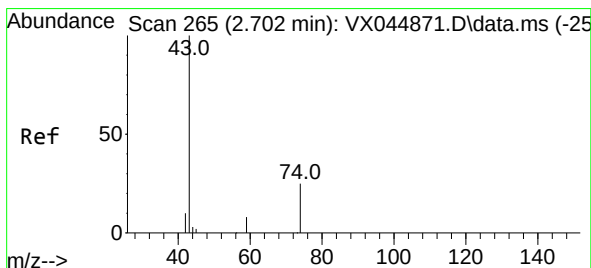
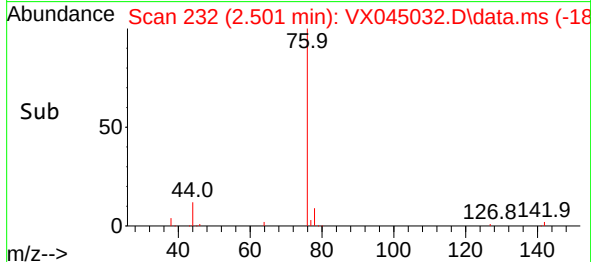
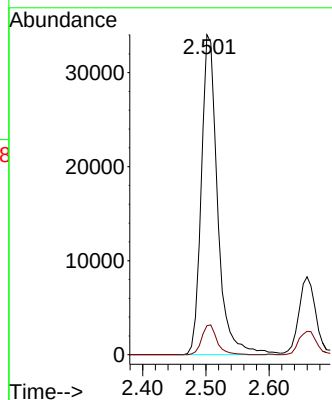
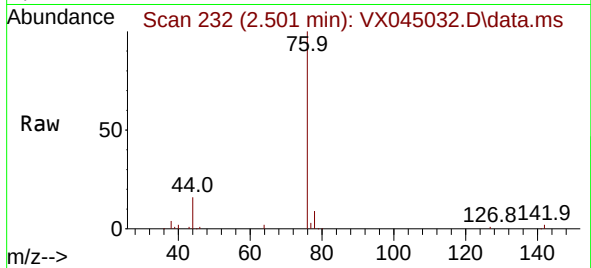




#17
Carbon Disulfide
Concen: 15.327 ug/l
RT: 2.501 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

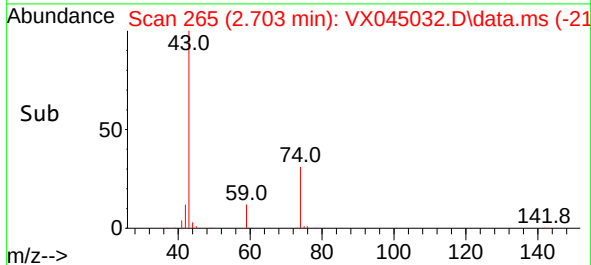
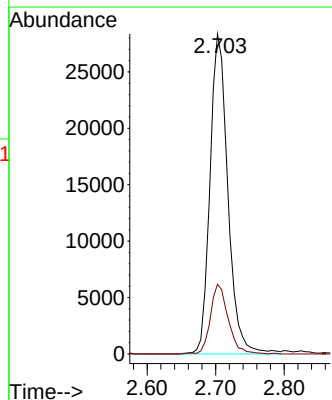
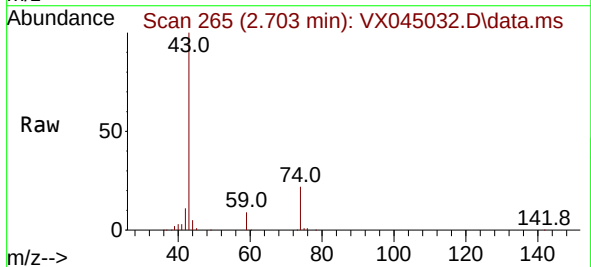
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

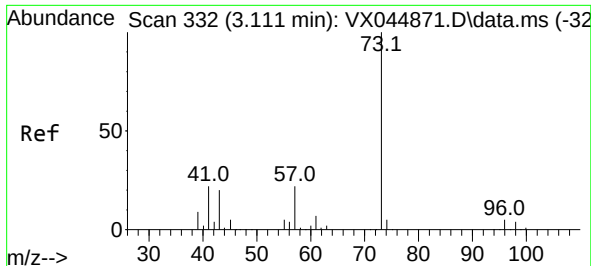
Tgt Ion: 76 Resp: 61168
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.4



#18
Methyl Acetate
Concen: 24.593 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 43 Resp: 51568
Ion Ratio Lower Upper
43 100
74 21.6 18.9 28.3

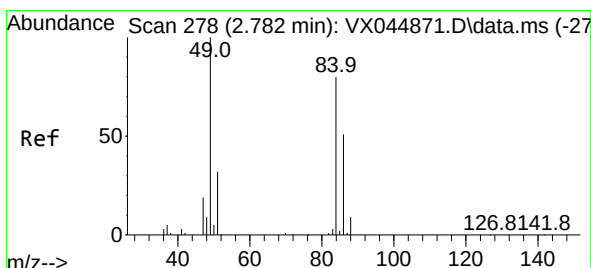
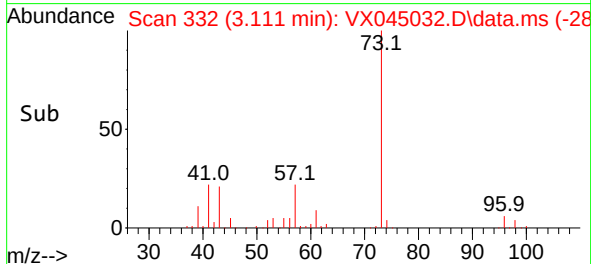
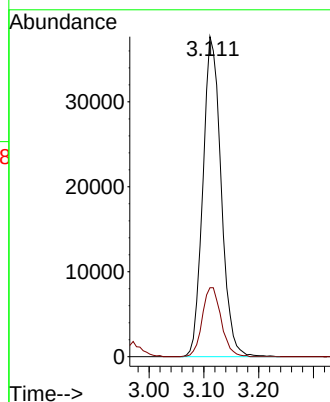
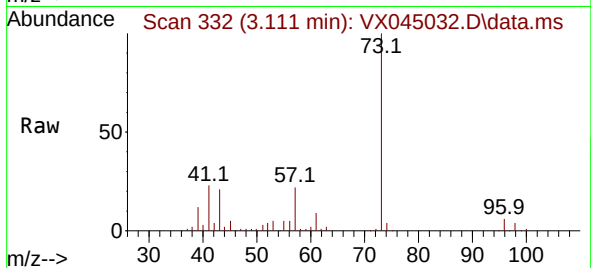




#19
Methyl tert-butyl Ether
Concen: 18.782 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

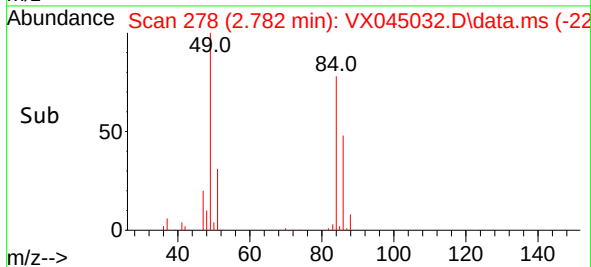
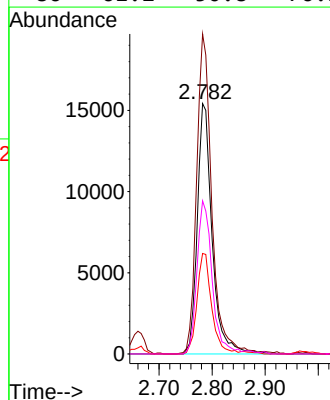
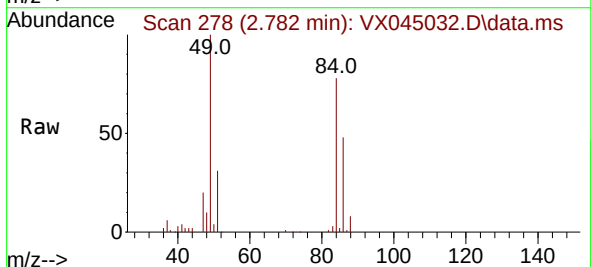
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

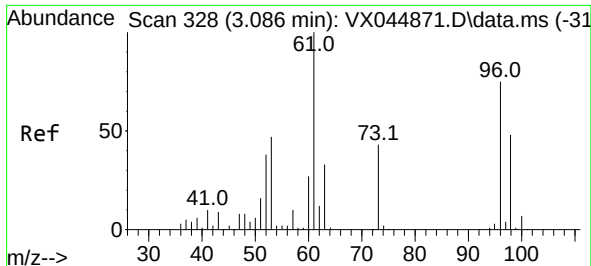
Tgt Ion: 73 Resp: 86972
Ion Ratio Lower Upper
73 100
57 21.5 17.9 26.9



#20
Methylene Chloride
Concen: 18.452 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 84 Resp: 30031
Ion Ratio Lower Upper
84 100
49 127.4 100.1 150.1
51 40.1 31.7 47.5
86 61.2 50.8 76.2

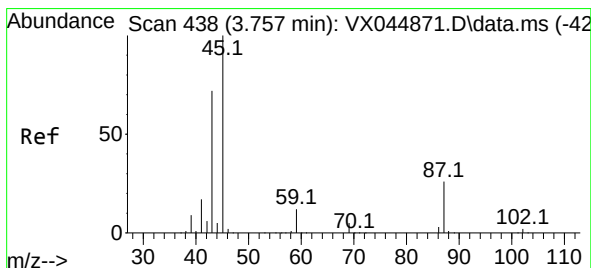
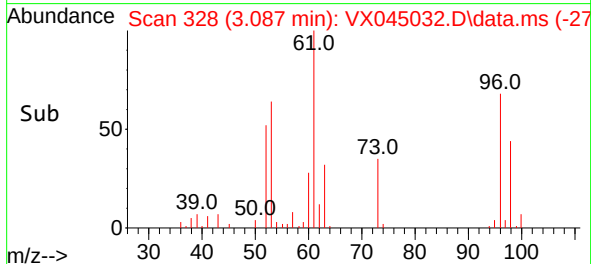
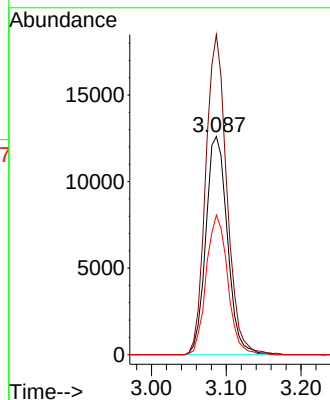
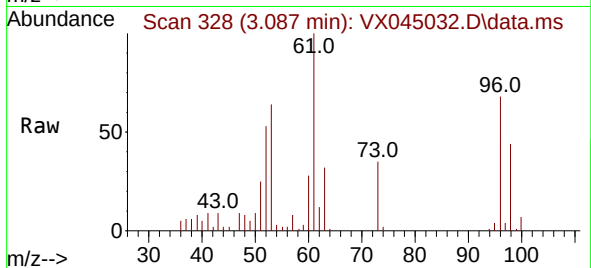




#21
trans-1,2-Dichloroethene
Concen: 17.651 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

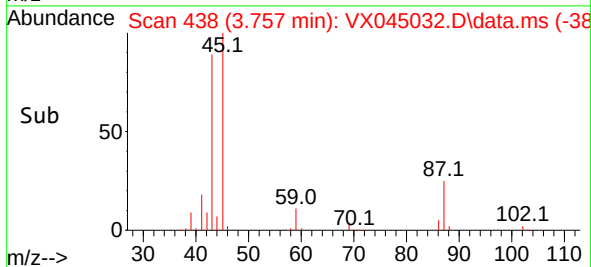
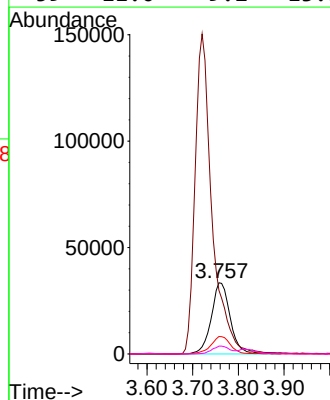
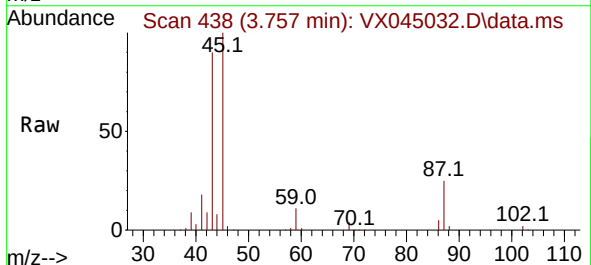
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

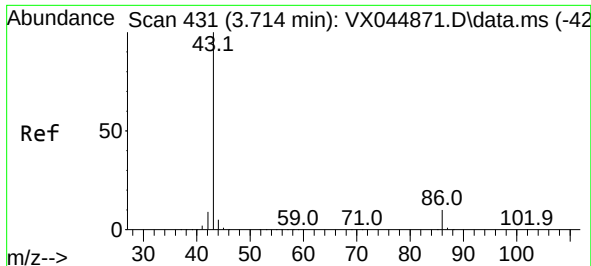
Tgt Ion: 96 Resp: 25284
Ion Ratio Lower Upper
96 100
61 146.7 106.0 159.0
98 64.1 50.6 76.0



#22
Diisopropyl ether
Concen: 19.371 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 45 Resp: 96394
Ion Ratio Lower Upper
45 100
43 89.3 58.0 87.0#
87 24.6 20.7 31.1
59 11.0 9.2 13.8

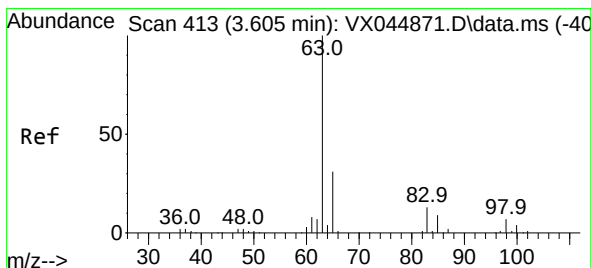
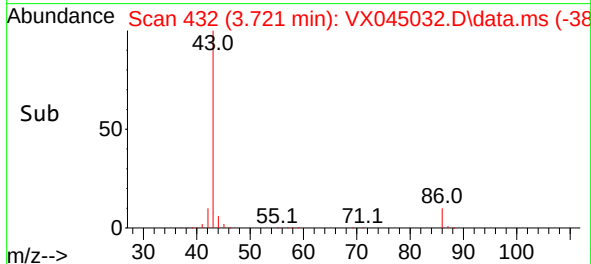
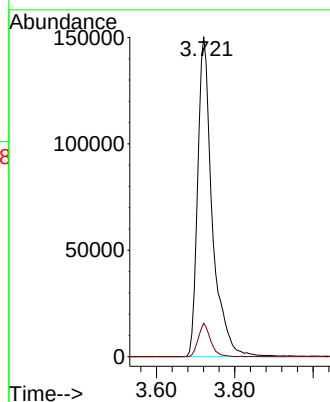
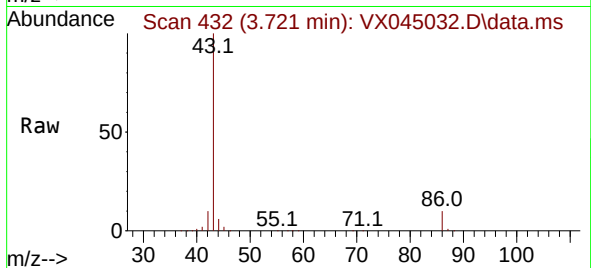




#23
 Vinyl Acetate
 Concen: 96.035 ug/l
 RT: 3.721 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX045032.D
 Acq: 25 Feb 2025 12:30

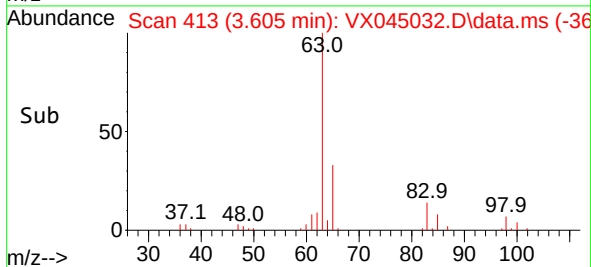
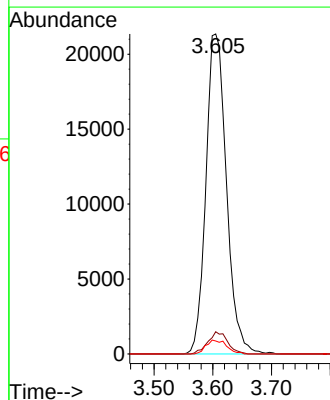
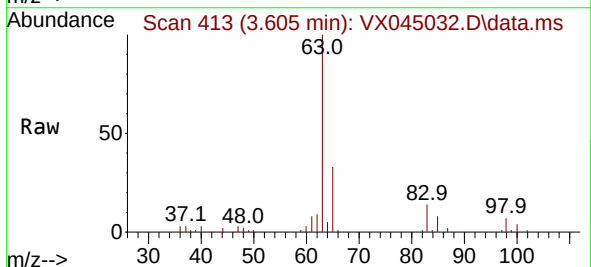
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0225WBS01

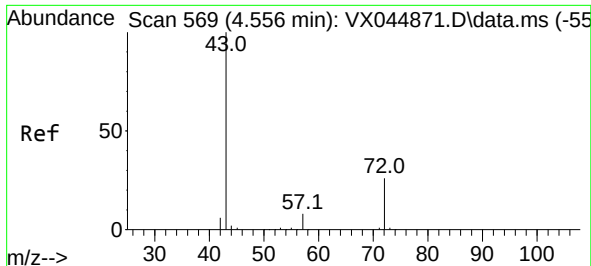
Tgt Ion: 43 Resp: 389594
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 18.657 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX045032.D
 Acq: 25 Feb 2025 12:30

Tgt Ion: 63 Resp: 51948
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.9
 100 4.1 2.1 6.5





#25

2-Butanone

Concen: 116.004 ug/l

RT: 4.556 min Scan# 5

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

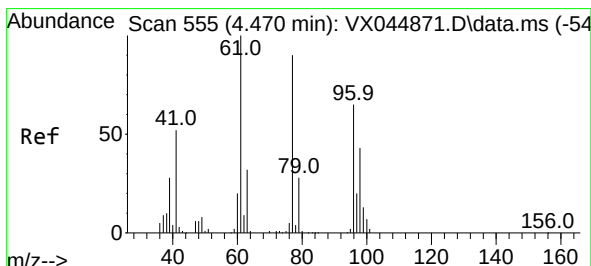
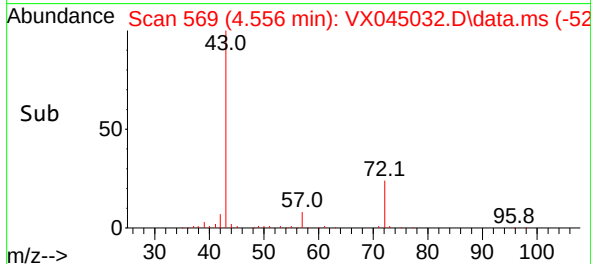
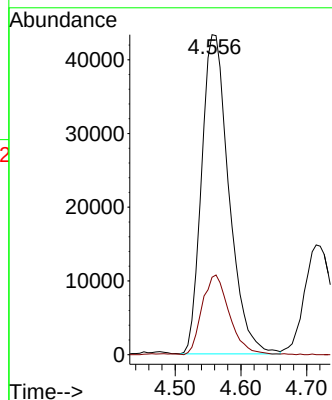
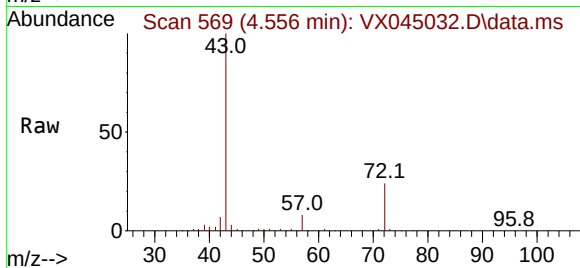
VX0225WBS01

Tgt Ion: 43 Resp: 125165

Ion Ratio Lower Upper

43 100

72 24.1 21.2 31.8



#26

2,2-Dichloropropane

Concen: 17.701 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.000 min

Lab File: VX045032.D

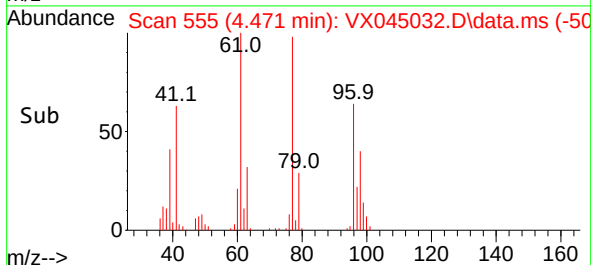
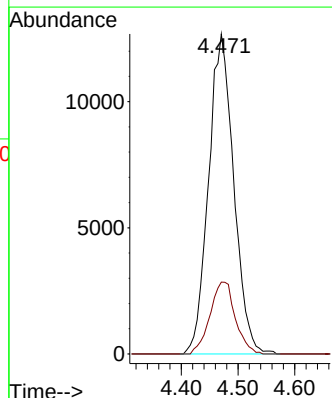
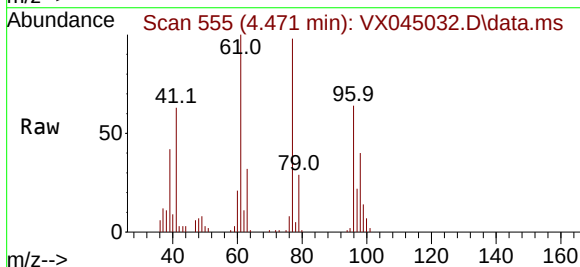
Acq: 25 Feb 2025 12:30

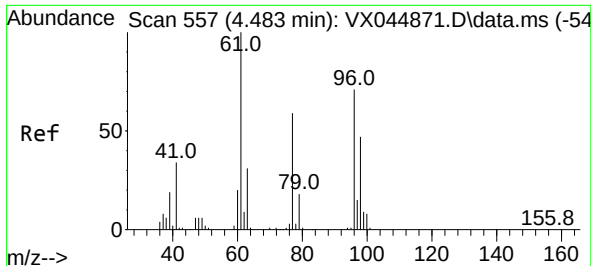
Tgt Ion: 77 Resp: 39084

Ion Ratio Lower Upper

77 100

97 22.6 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 18.799 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

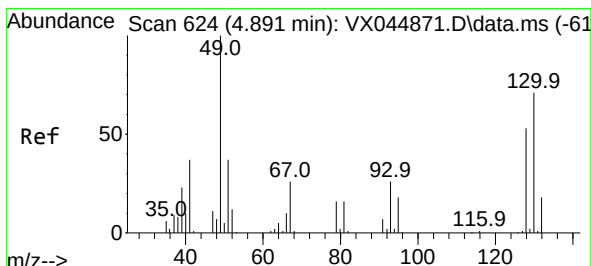
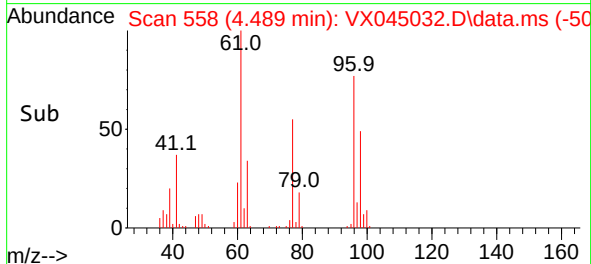
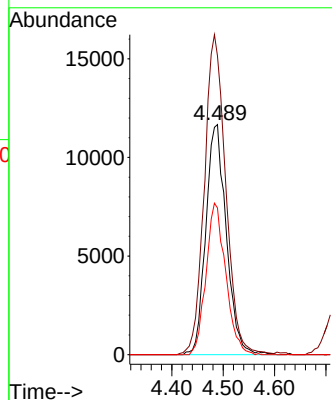
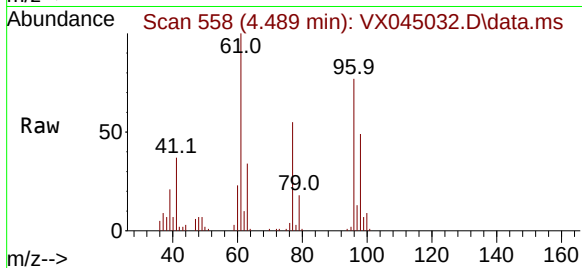
Tgt Ion: 96 Resp: 32345

Ion Ratio Lower Upper

96 100

61 144.8 0.0 294.0

98 63.1 0.0 131.2



#28

Bromochloromethane

Concen: 21.150 ug/l

RT: 4.897 min Scan# 625

Delta R.T. 0.006 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

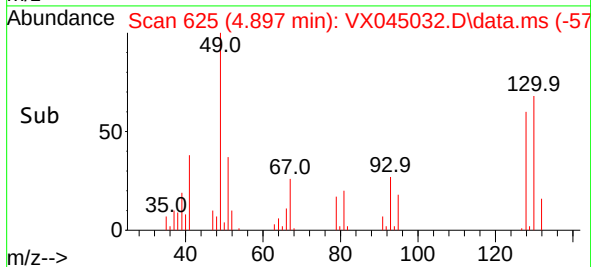
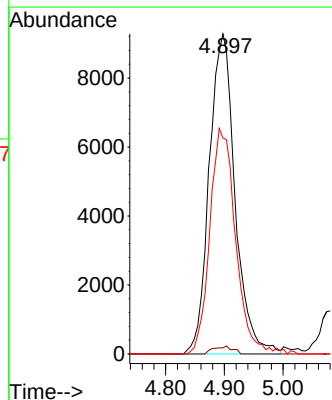
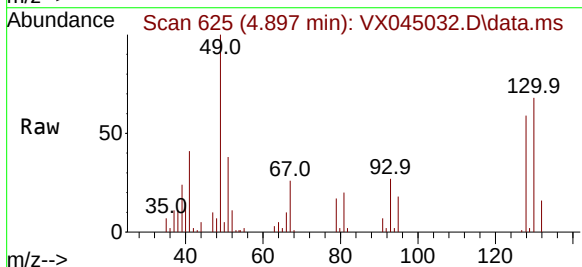
Tgt Ion: 49 Resp: 28300

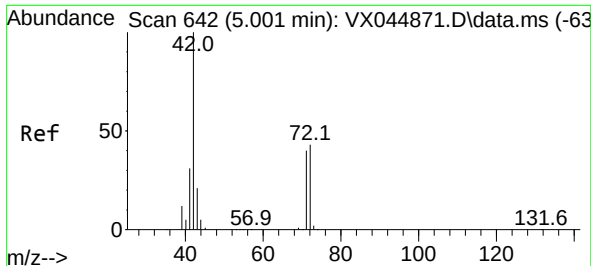
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 69.9 56.7 85.1





#29

Tetrahydrofuran

Concen: 115.117 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

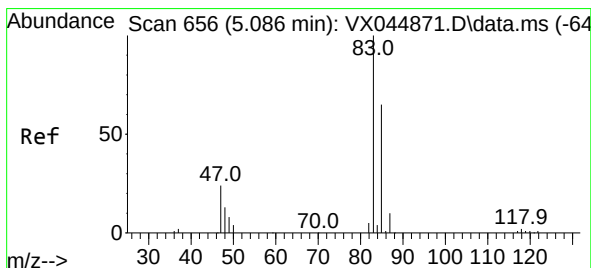
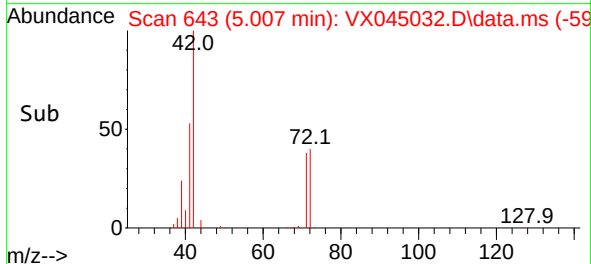
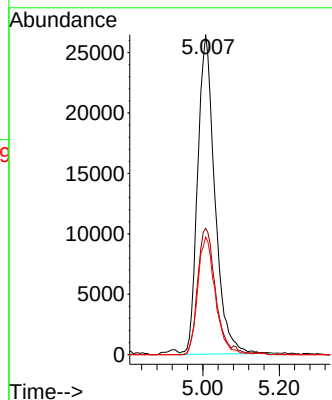
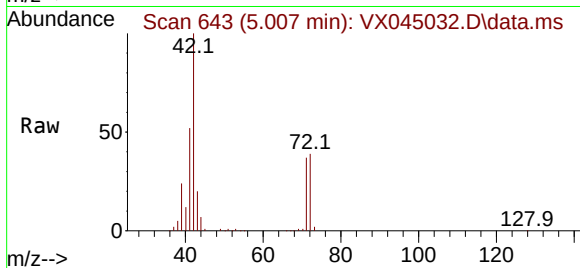
Tgt Ion: 42 Resp: 82477

Ion Ratio Lower Upper

42 100

72 41.6 35.0 52.4

71 37.8 32.6 48.8



#30

Chloroform

Concen: 19.573 ug/l

RT: 5.092 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX045032.D

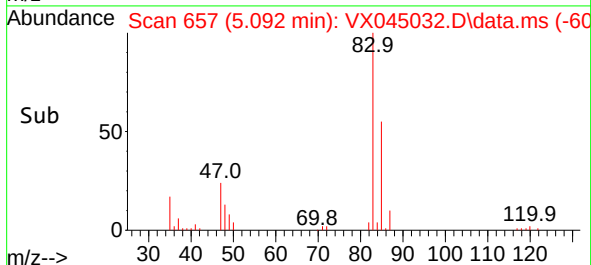
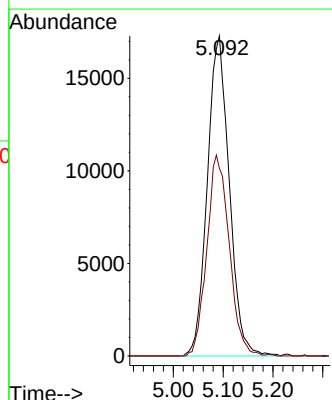
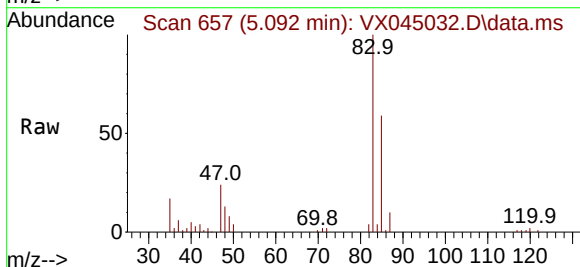
Acq: 25 Feb 2025 12:30

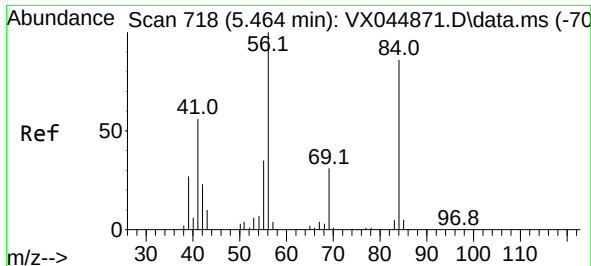
Tgt Ion: 83 Resp: 52851

Ion Ratio Lower Upper

83 100

85 58.7 52.1 78.1

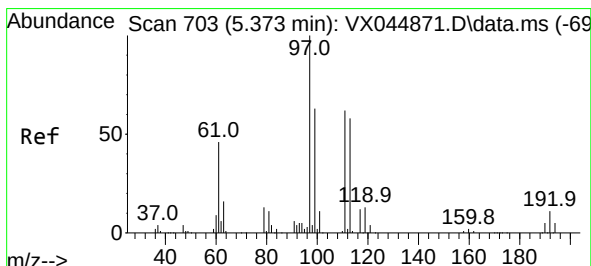
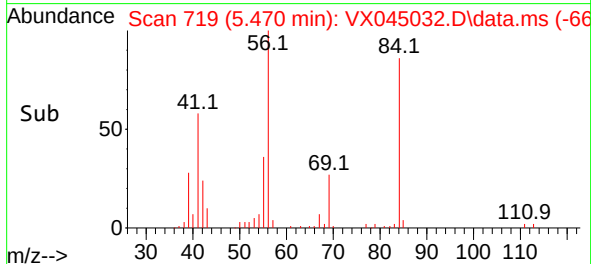
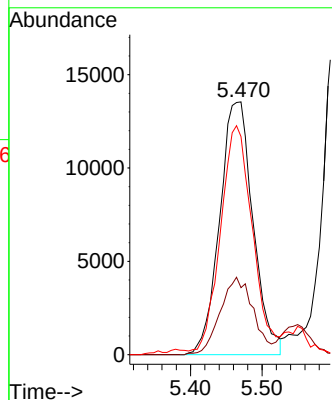
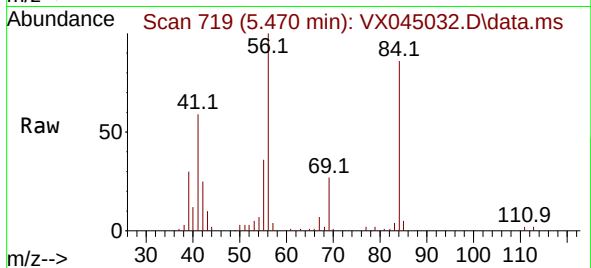




#31
Cyclohexane
Concen: 17.083 ug/l
RT: 5.470 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

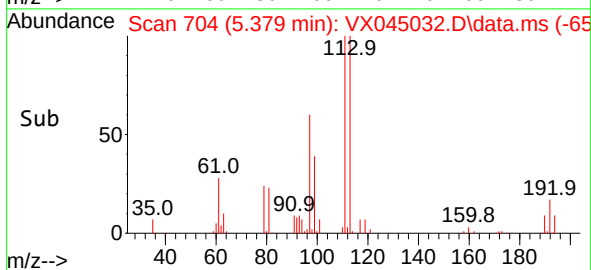
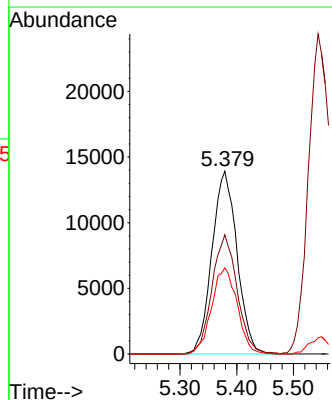
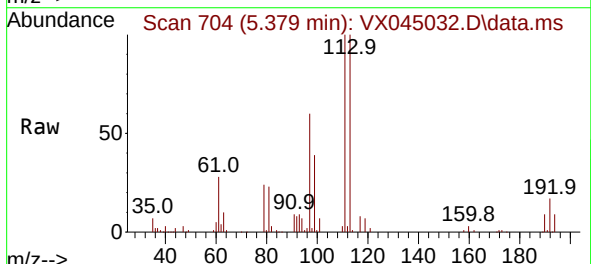
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

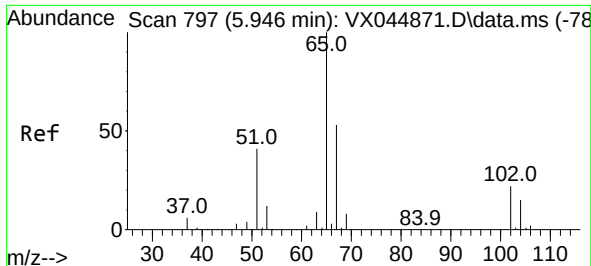
Tgt Ion: 56 Resp: 43850
Ion Ratio Lower Upper
56 100
69 26.5 24.4 36.6
84 84.5 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 18.718 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 97 Resp: 42871
Ion Ratio Lower Upper
97 100
99 65.0 51.0 76.6
61 47.8 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 52.977 ug/l

RT: 5.946 min Scan# 79

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

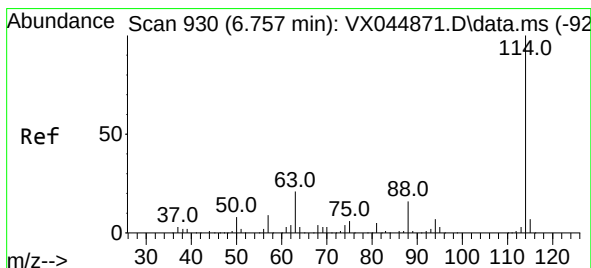
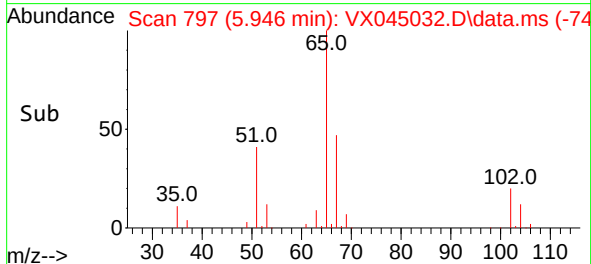
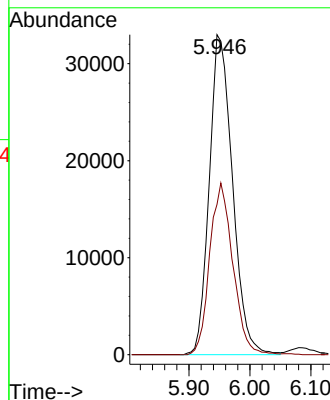
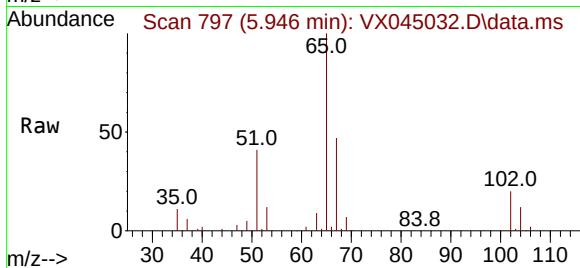
VX0225WBS01

Tgt Ion: 65 Resp: 87564

Ion Ratio Lower Upper

65 100

67 53.3 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

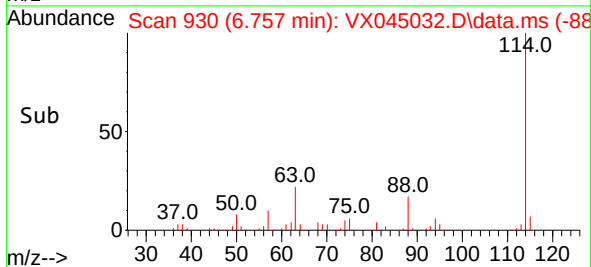
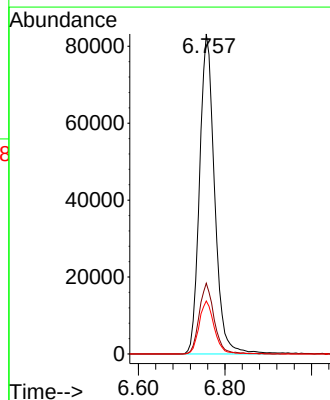
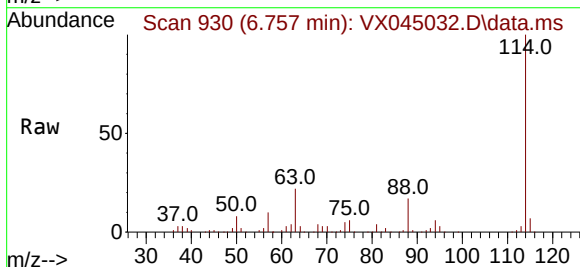
Tgt Ion: 114 Resp: 200483

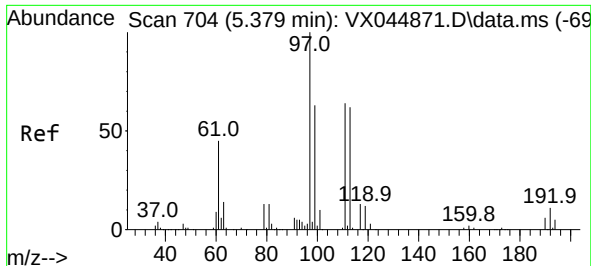
Ion Ratio Lower Upper

114 100

63 22.1 0.0 42.4

88 16.6 0.0 31.4

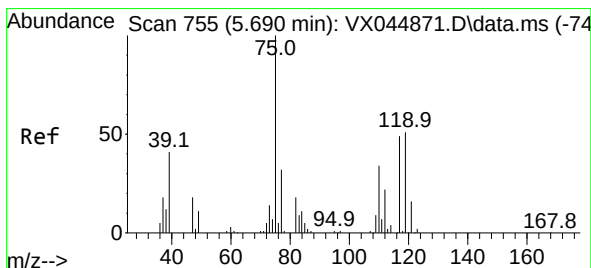
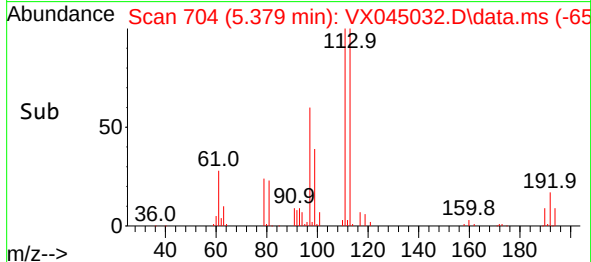
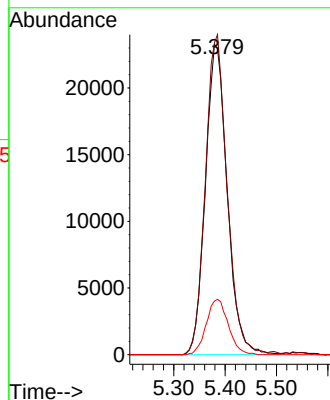
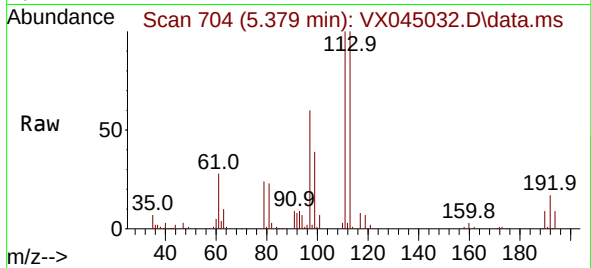




#35
Dibromofluoromethane
Concen: 52.786 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

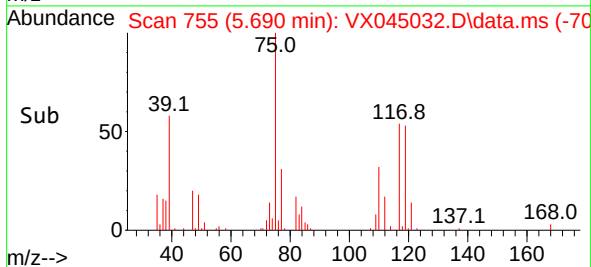
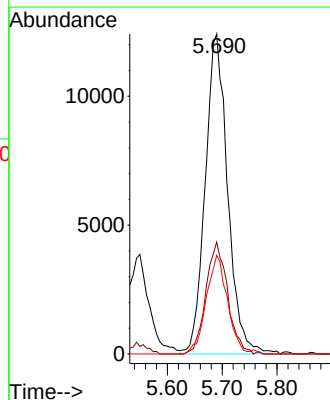
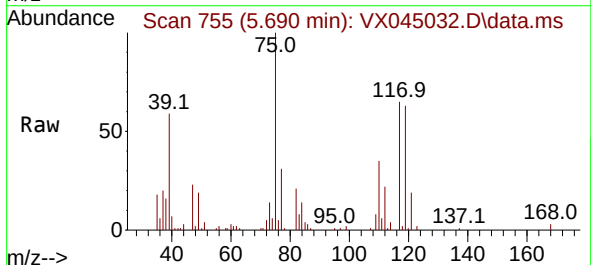
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

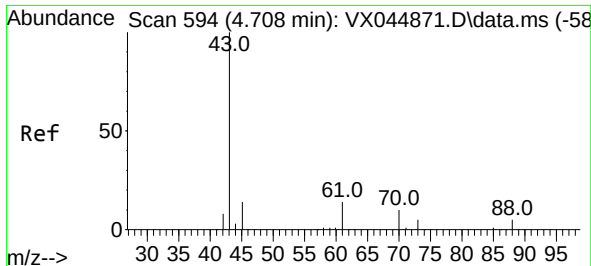
Tgt Ion:113 Resp: 68805
Ion Ratio Lower Upper
113 100
111 102.1 83.5 125.3
192 17.9 14.4 21.6



#36
1,1-Dichloropropene
Concen: 18.738 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 75 Resp: 35238
Ion Ratio Lower Upper
75 100
110 33.8 17.2 51.6
77 29.1 24.6 37.0





#37

Ethyl Acetate

Concen: 21.419 ug/l

RT: 4.714 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

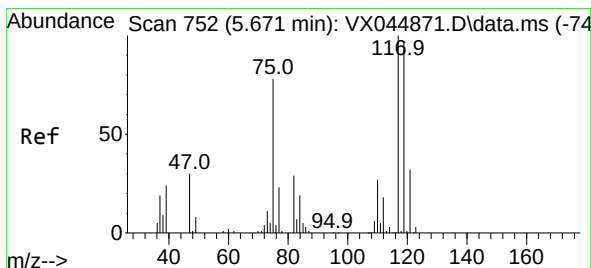
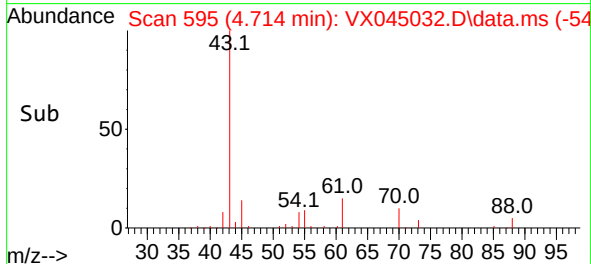
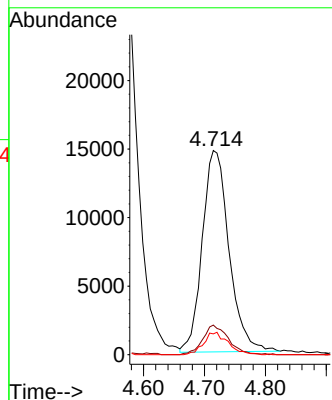
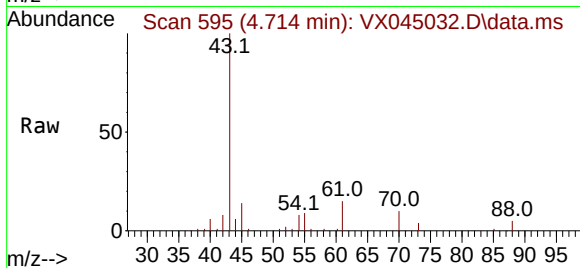
Tgt Ion: 43 Resp: 44803

Ion Ratio Lower Upper

43 100

61 14.3 11.0 16.4

70 10.1 8.2 12.2



#38

Carbon Tetrachloride

Concen: 19.628 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

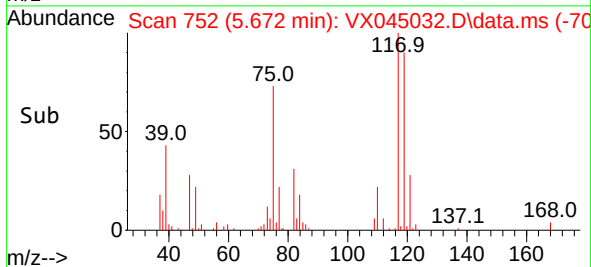
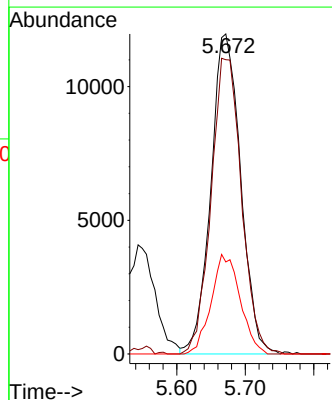
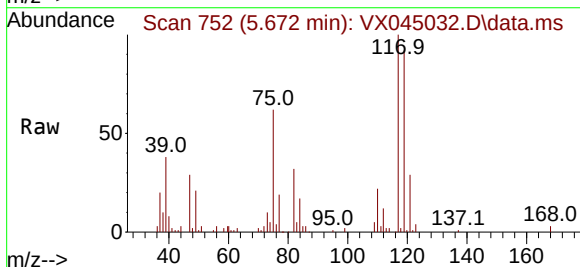
Tgt Ion: 117 Resp: 36171

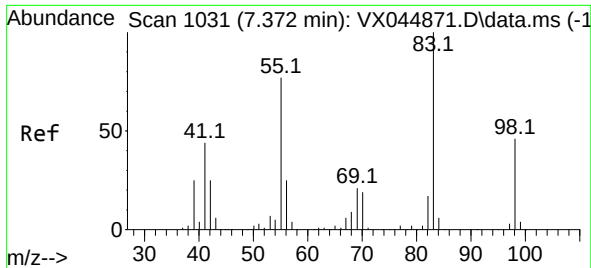
Ion Ratio Lower Upper

117 100

119 92.0 77.5 116.3

121 28.7 25.6 38.4

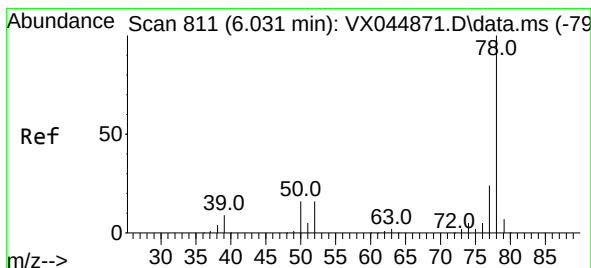
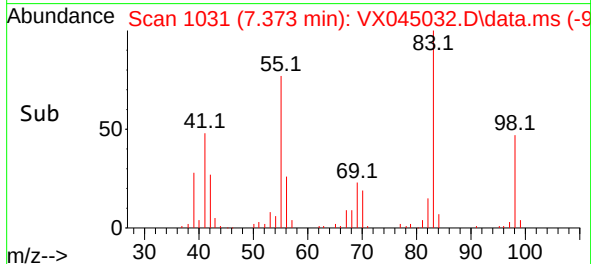
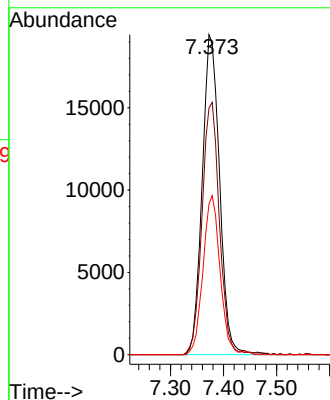
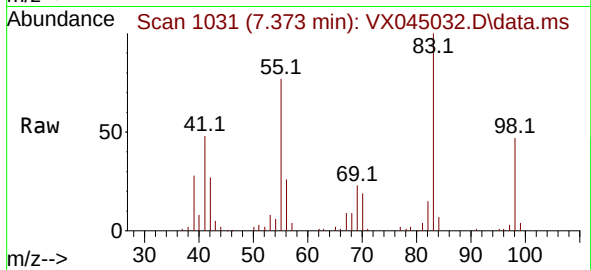




#39
Methylcyclohexane
Concen: 18.220 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

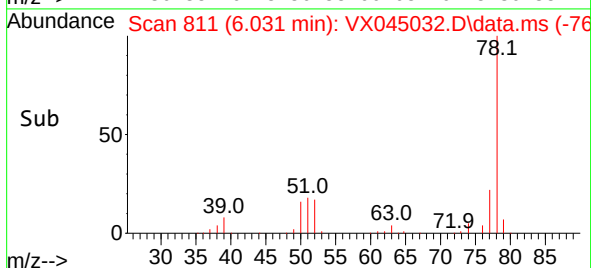
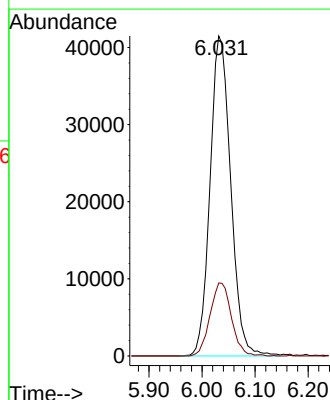
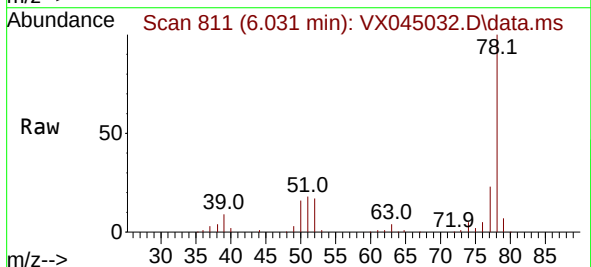
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

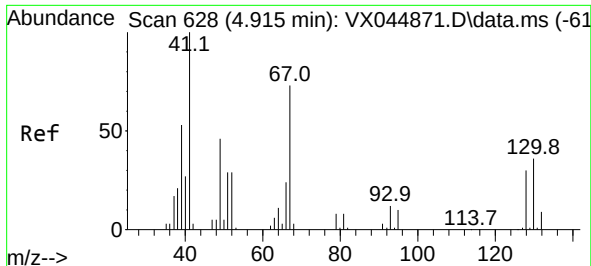
Tgt Ion: 83 Resp: 44297
Ion Ratio Lower Upper
83 100
55 77.1 61.3 91.9
98 47.1 37.0 55.6



#40
Benzene
Concen: 19.128 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 78 Resp: 112321
Ion Ratio Lower Upper
78 100
77 22.8 19.0 28.6

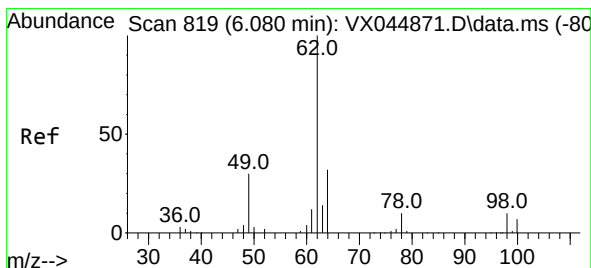
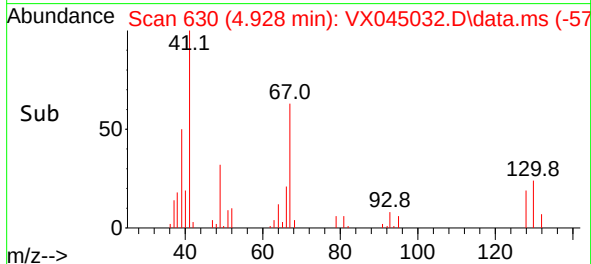
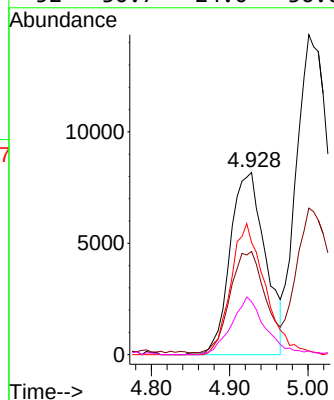
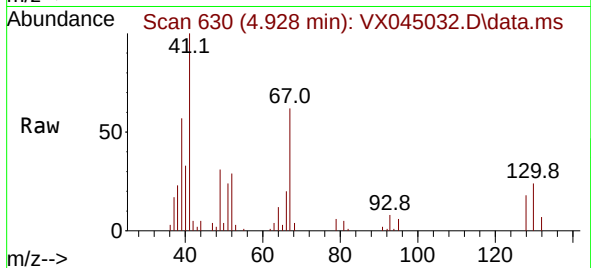




#41
Methacrylonitrile
Concen: 22.872 ug/l
RT: 4.928 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

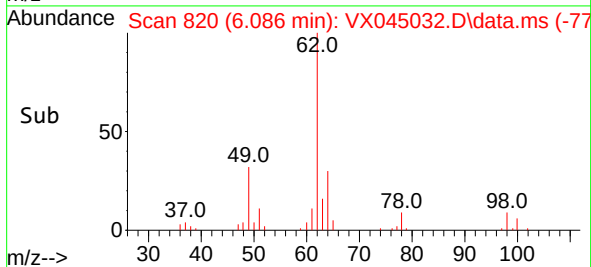
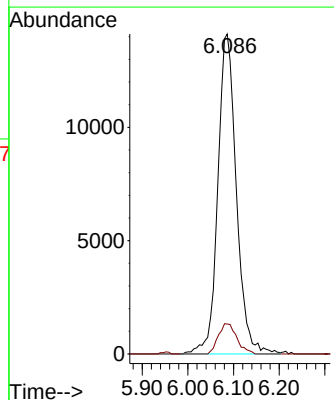
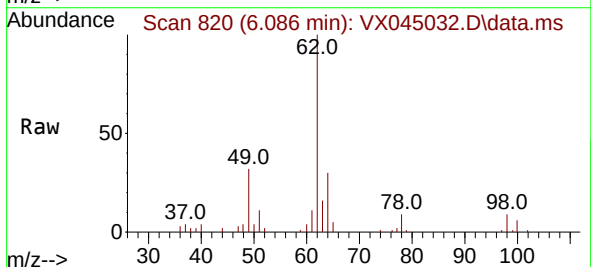
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

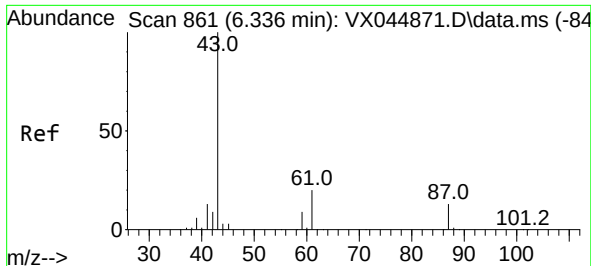
Tgt Ion: 41	Resp: 25608
Ion Ratio	Lower Upper
41 100	
39 55.9	43.1 64.7
67 69.9	57.0 85.6
52 30.7	24.0 36.0



#42
1,2-Dichloroethane
Concen: 21.320 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 62	Resp: 39901
Ion Ratio	Lower Upper
62 100	
98 9.4	0.0 19.4

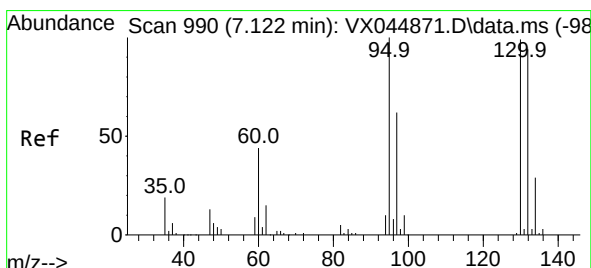
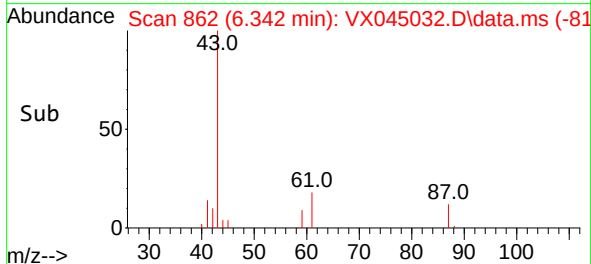
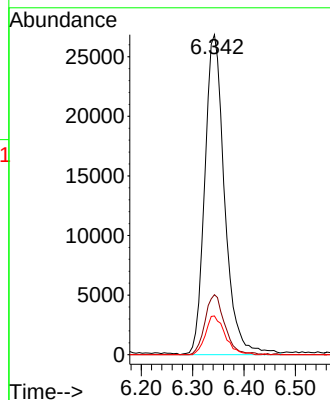
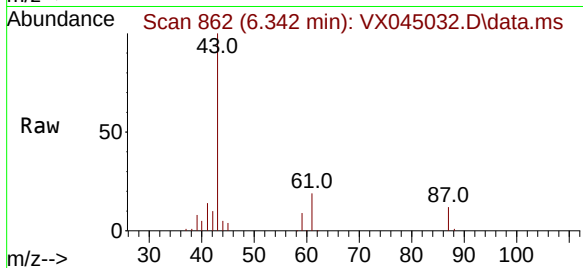




#43
Isopropyl Acetate
Concen: 21.331 ug/l
RT: 6.342 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

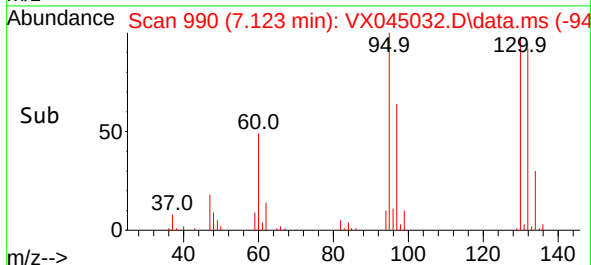
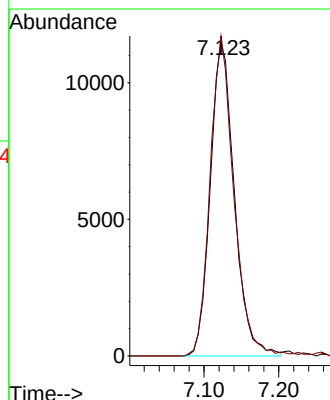
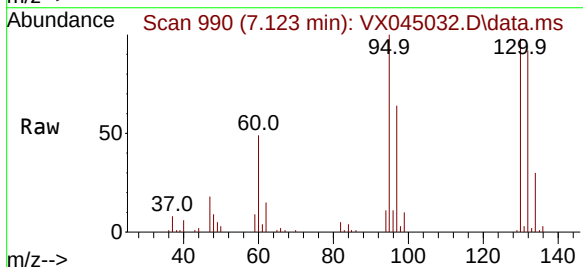
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

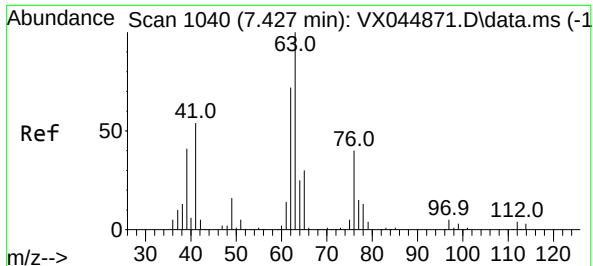
Tgt Ion: 43 Resp: 72051
Ion Ratio Lower Upper
43 100
61 18.6 15.8 23.8
87 11.9 10.0 15.0



#44
Trichloroethene
Concen: 19.194 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:130 Resp: 25763
Ion Ratio Lower Upper
130 100
95 101.9 0.0 202.4





#45

1,2-Dichloropropane

Concen: 19.798 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

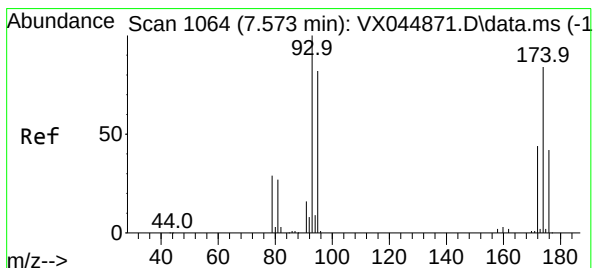
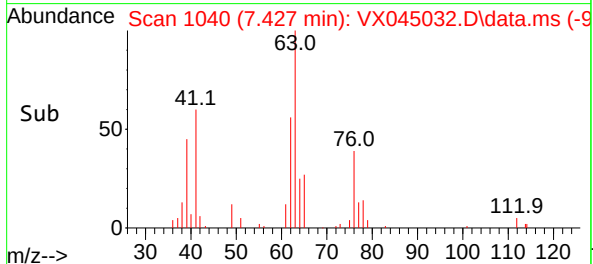
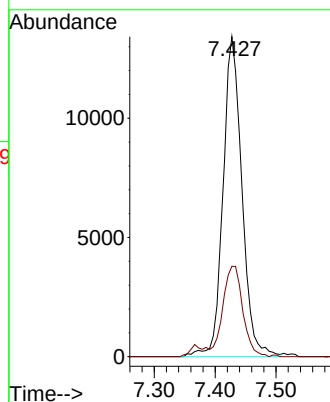
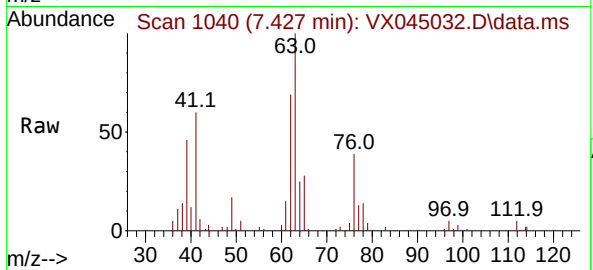
VX0225WBS01

Tgt Ion: 63 Resp: 28923

Ion Ratio Lower Upper

63 100

65 28.2 24.2 36.4



#46

Dibromomethane

Concen: 20.692 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

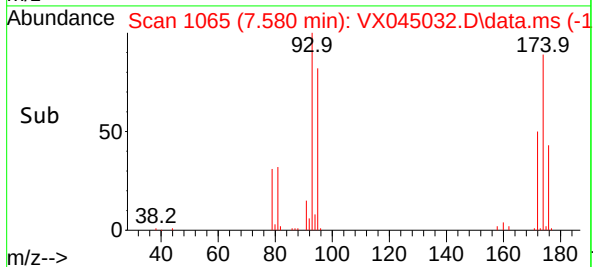
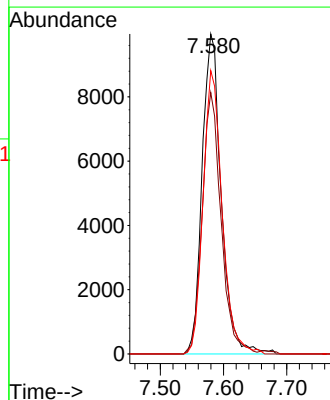
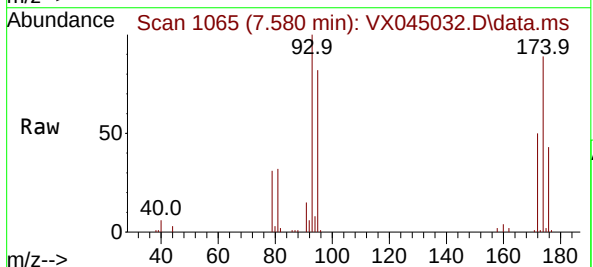
Tgt Ion: 93 Resp: 20964

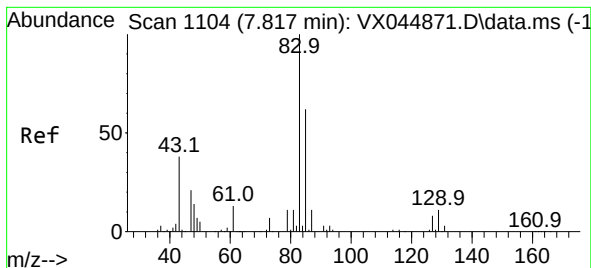
Ion Ratio Lower Upper

93 100

95 80.4 66.2 99.4

174 88.4 69.9 104.9





#47

Bromodichloromethane

Concen: 20.401 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

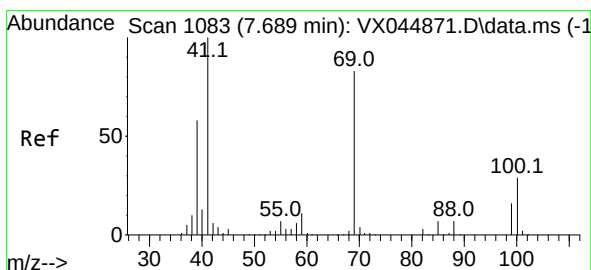
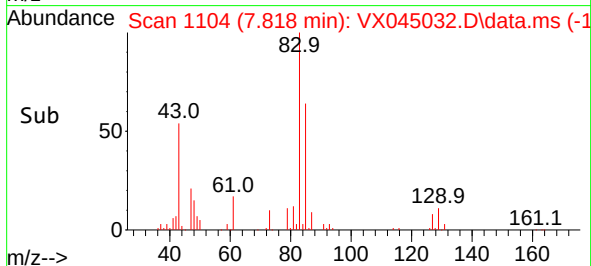
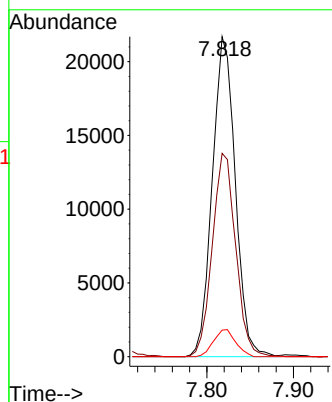
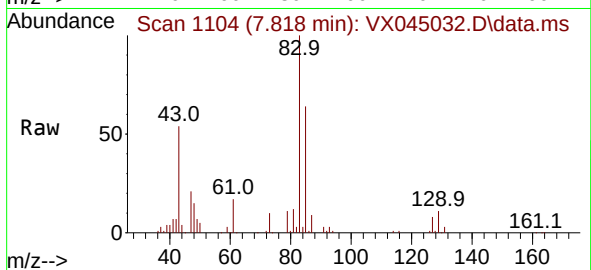
Tgt Ion: 83 Resp: 40022

Ion Ratio Lower Upper

83 100

85 63.6 50.0 75.0

127 8.3 6.4 9.6



#48

Methyl methacrylate

Concen: 21.931 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

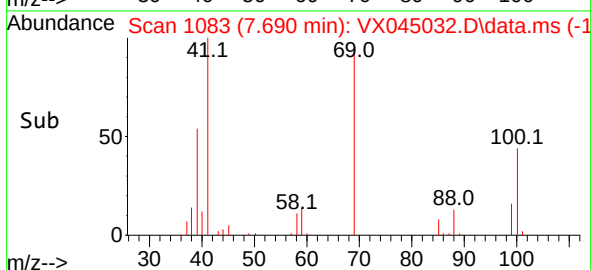
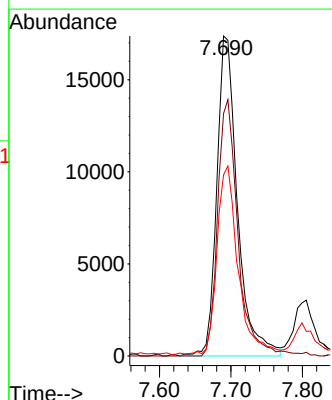
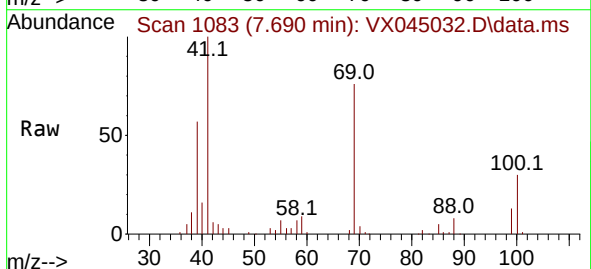
Tgt Ion: 41 Resp: 34929

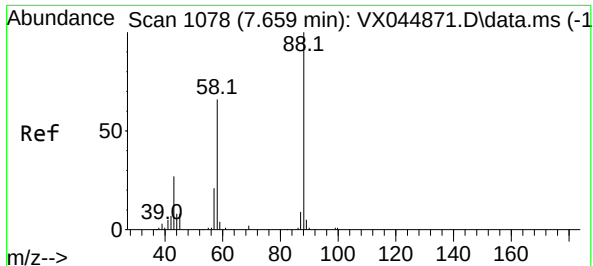
Ion Ratio Lower Upper

41 100

69 79.2 65.8 98.8

39 59.4 46.4 69.6

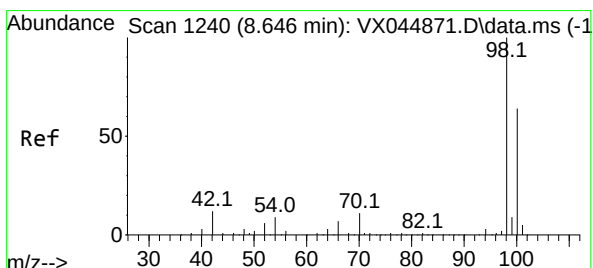
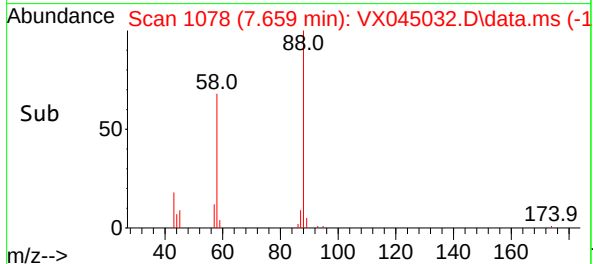
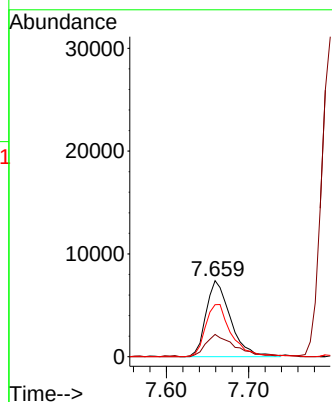
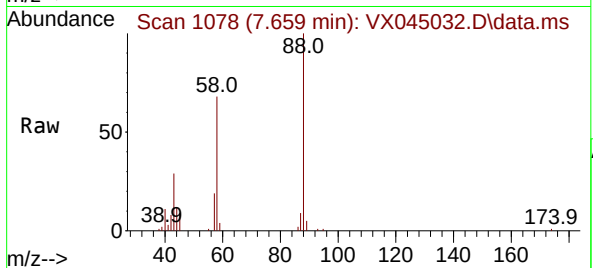




#49
1,4-Dioxane
Concen: 446.435 ug/l
RT: 7.659 min Scan# 1078
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

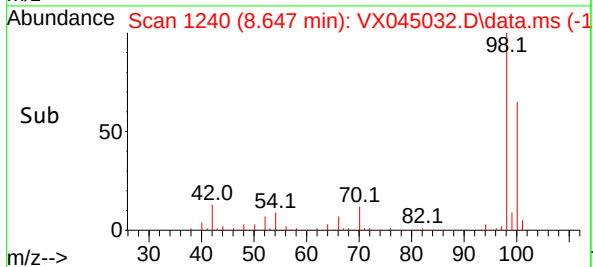
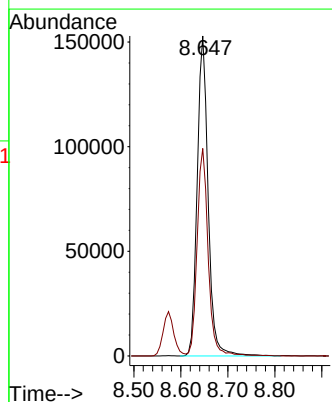
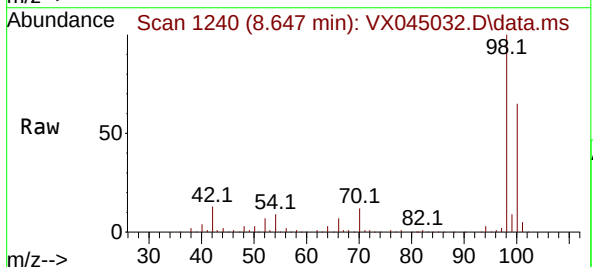
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

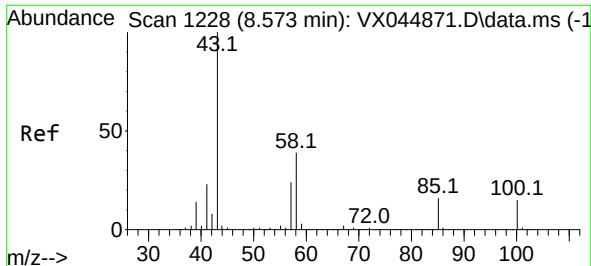
Tgt Ion: 88 Resp: 15255
Ion Ratio Lower Upper
88 100
43 34.4 26.6 39.8
58 72.4 55.9 83.9



#50
Toluene-d8
Concen: 50.555 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 98 Resp: 249185
Ion Ratio Lower Upper
98 100
100 64.5 52.7 79.1

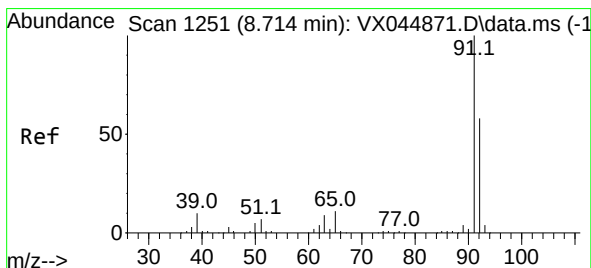
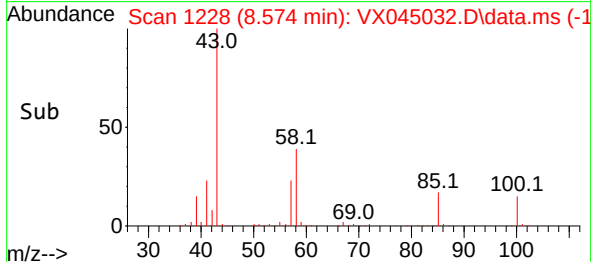
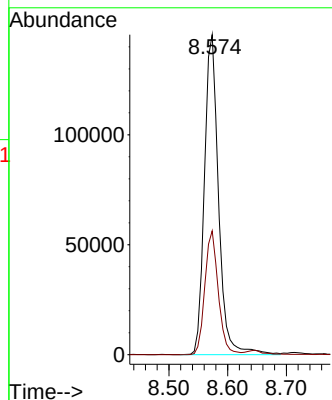
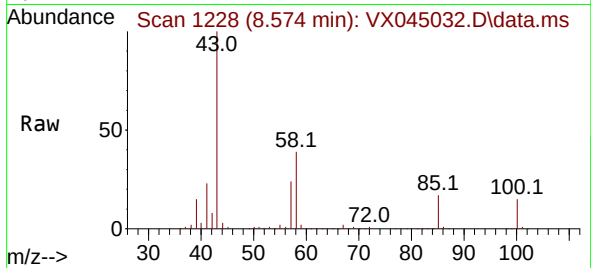




#51
4-Methyl-2-Pentanone
Concen: 118.897 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

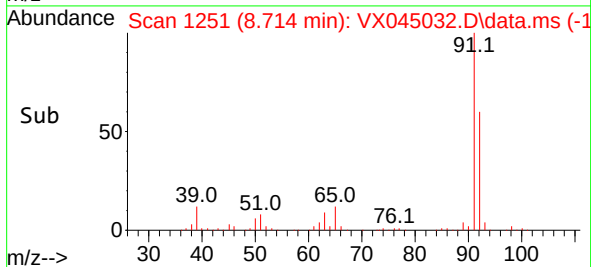
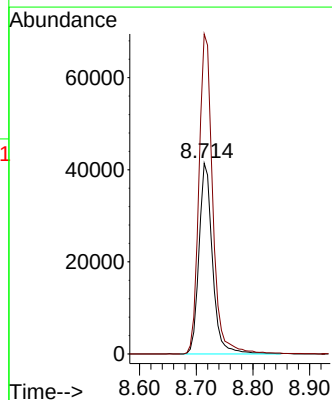
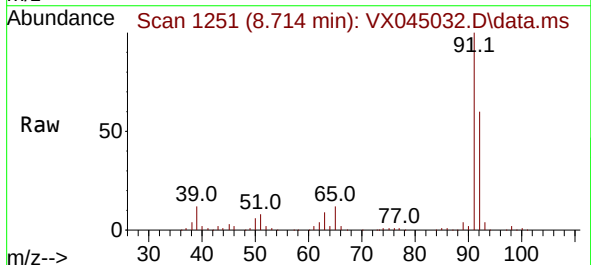
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

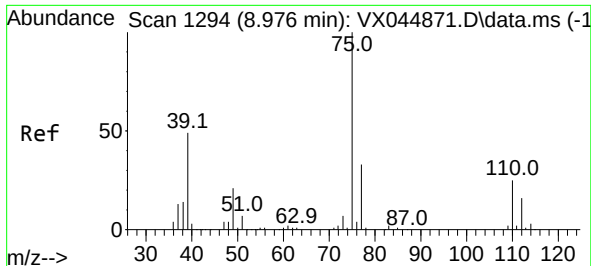
Tgt Ion: 43 Resp: 244157
Ion Ratio Lower Upper
43 100
58 36.7 30.8 46.2



#52
Toluene
Concen: 19.597 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 92 Resp: 68535
Ion Ratio Lower Upper
92 100
91 171.2 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 18.673 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

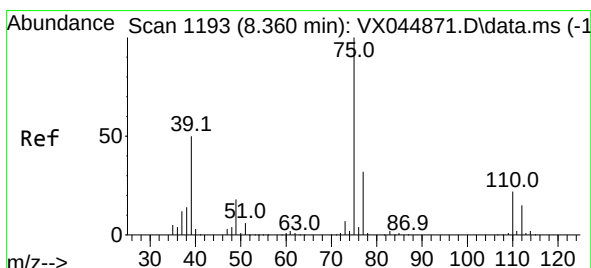
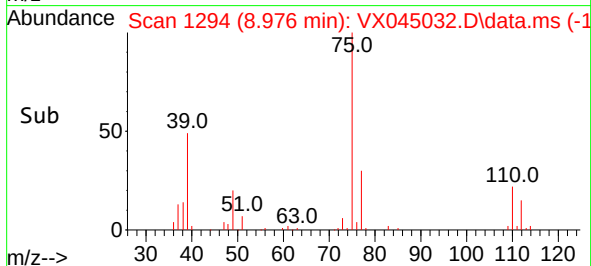
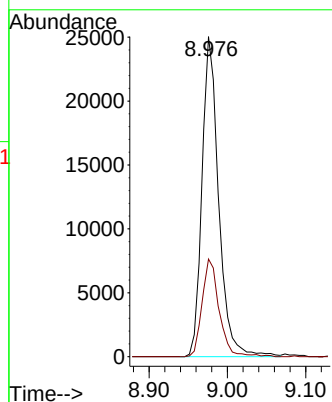
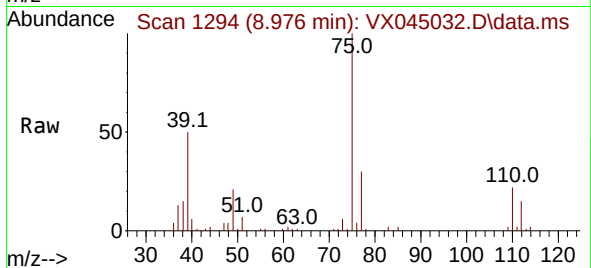
VX0225WBS01

Tgt Ion: 75 Resp: 37069

Ion Ratio Lower Upper

75 100

77 30.5 26.0 39.0



#54

cis-1,3-Dichloropropene

Concen: 19.324 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

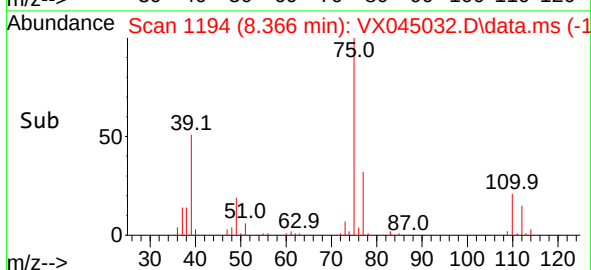
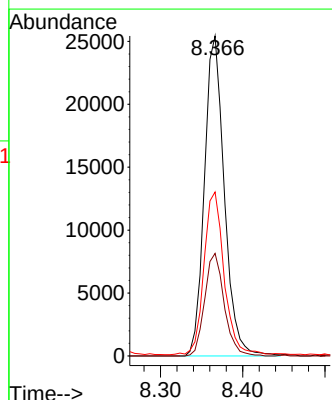
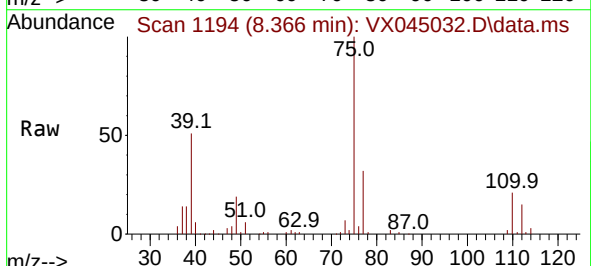
Tgt Ion: 75 Resp: 42772

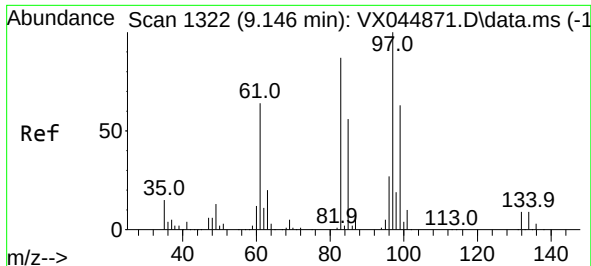
Ion Ratio Lower Upper

75 100

77 32.0 25.3 37.9

39 50.5 40.0 60.0

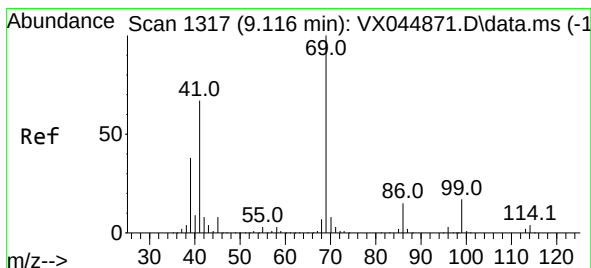
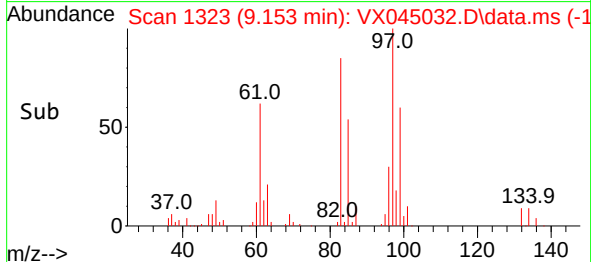
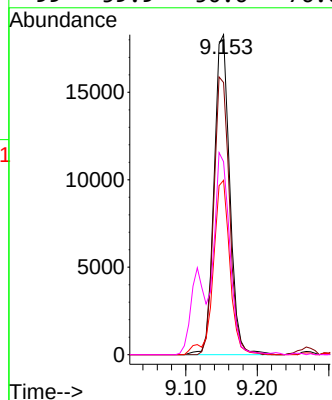
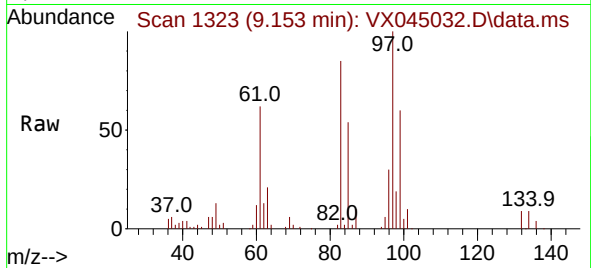




#55
 1,1,2-Trichloroethane
 Concen: 20.722 ug/l
 RT: 9.153 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX045032.D
 Acq: 25 Feb 2025 12:30

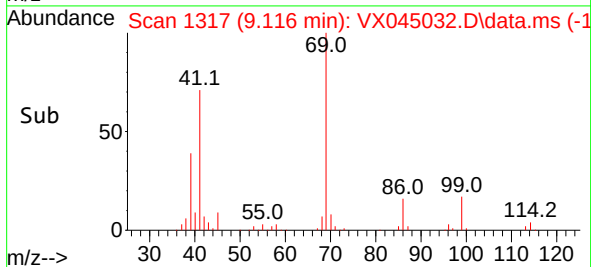
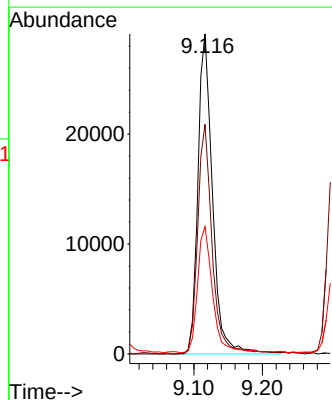
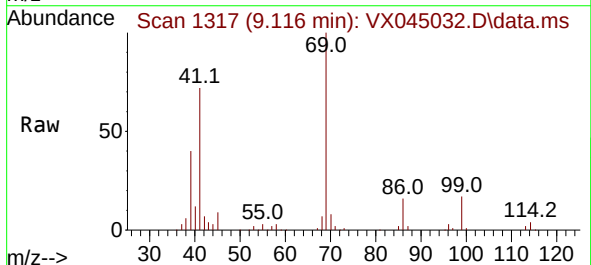
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0225WBS01

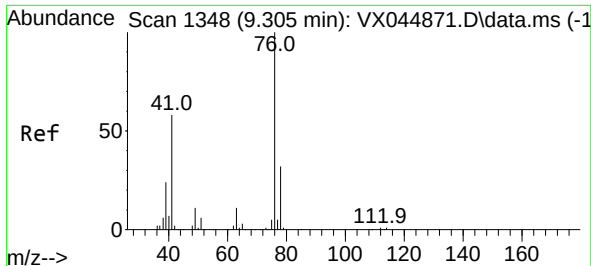
Tgt Ion: 97	Resp: 27858
Ion Ratio	Lower Upper
97 100	
83 85.1	69.8 104.6
85 54.5	44.8 67.2
99 59.9	50.6 76.0



#56
 Ethyl methacrylate
 Concen: 19.922 ug/l
 RT: 9.116 min Scan# 1317
 Delta R.T. 0.000 min
 Lab File: VX045032.D
 Acq: 25 Feb 2025 12:30

Tgt Ion: 69	Resp: 43256
Ion Ratio	Lower Upper
69 100	
41 71.8	55.2 82.8
39 40.3	30.8 46.2





#57

1,3-Dichloropropane

Concen: 20.413 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

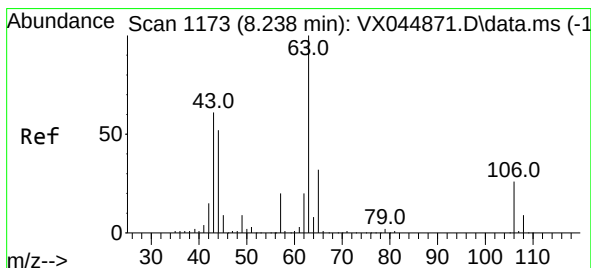
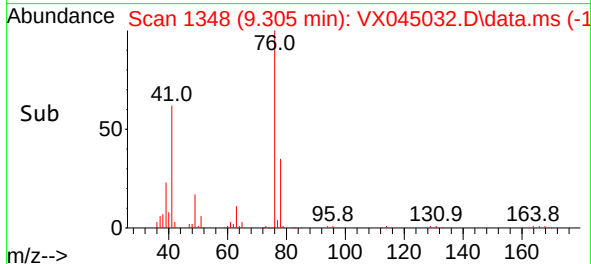
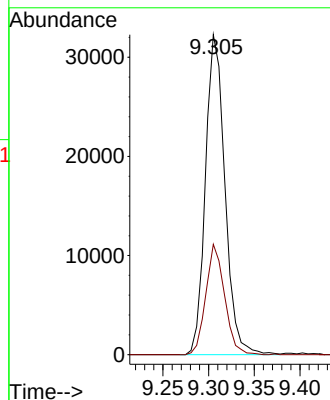
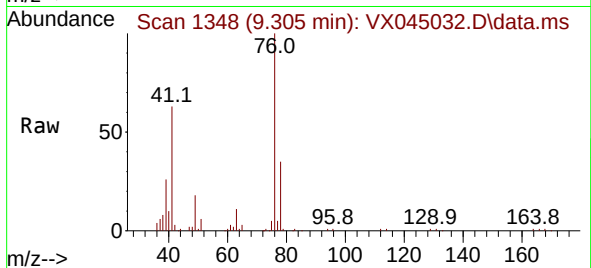
VX0225WBS01

Tgt Ion: 76 Resp: 48017

Ion Ratio Lower Upper

76 100

78 33.2 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 87.867 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX045032.D

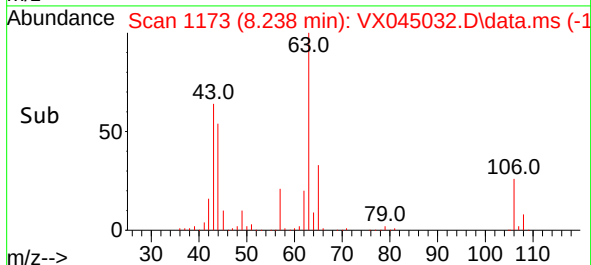
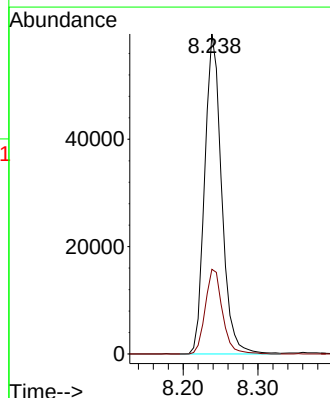
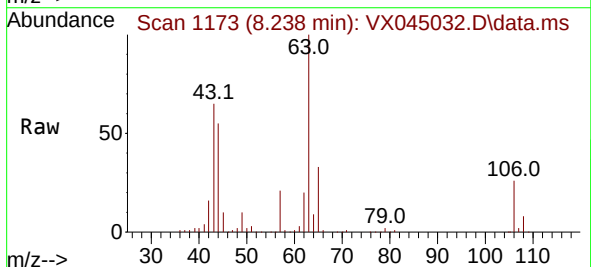
Acq: 25 Feb 2025 12:30

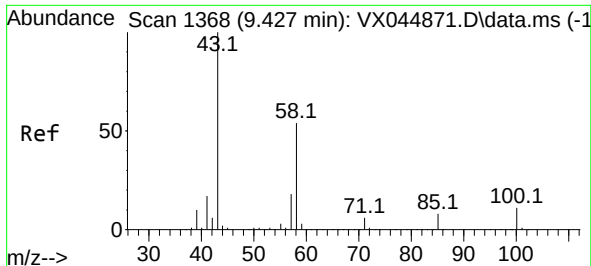
Tgt Ion: 63 Resp: 93678

Ion Ratio Lower Upper

63 100

106 26.8 21.3 31.9

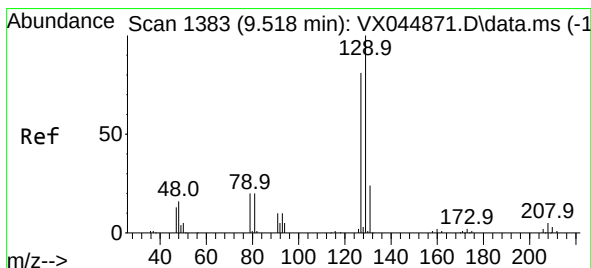
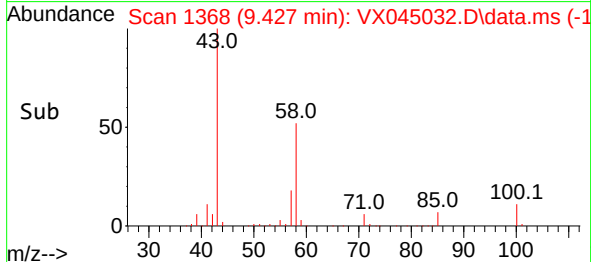
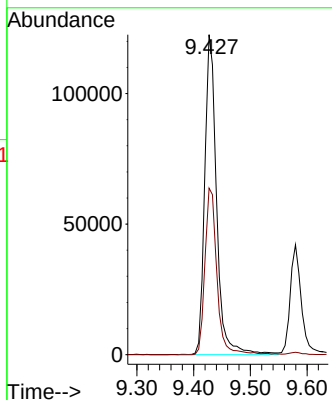
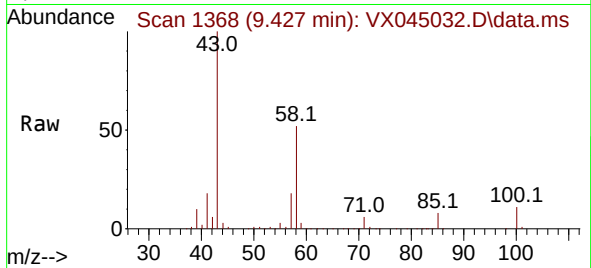




#59
2-Hexanone
Concen: 120.511 ug/l
RT: 9.427 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

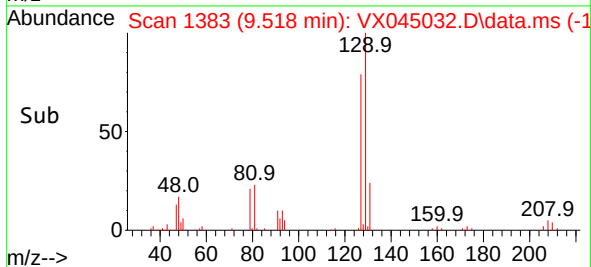
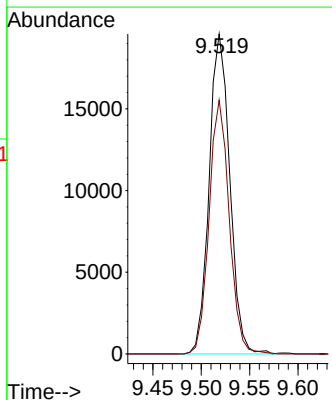
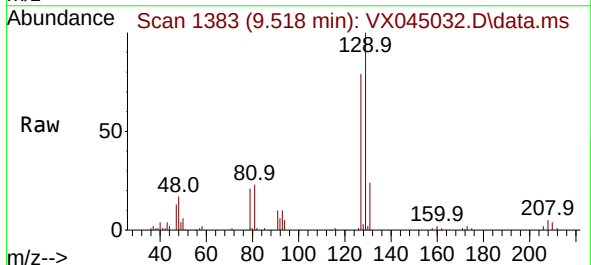
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

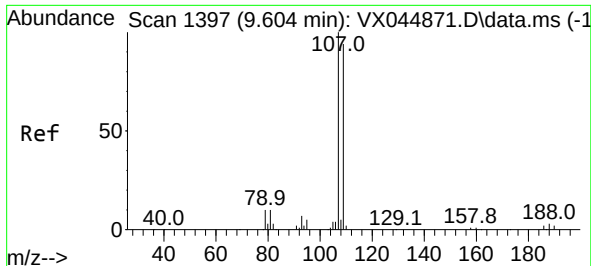
Tgt Ion: 43 Resp: 178305
Ion Ratio Lower Upper
43 100
58 52.8 27.5 82.4



#60
Dibromochloromethane
Concen: 20.212 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 129 Resp: 29060
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.3

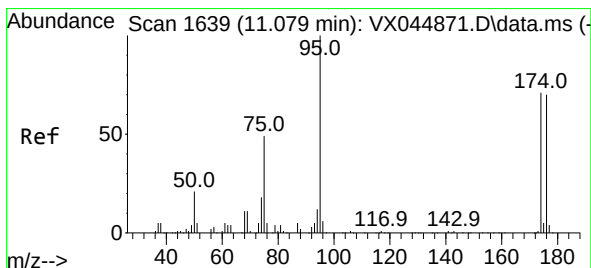
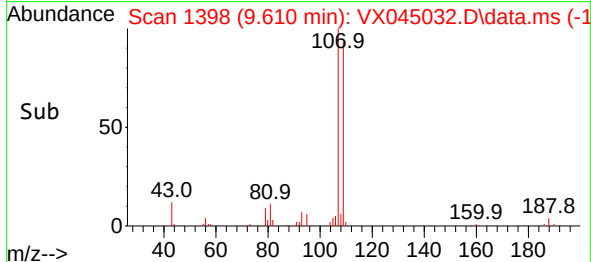
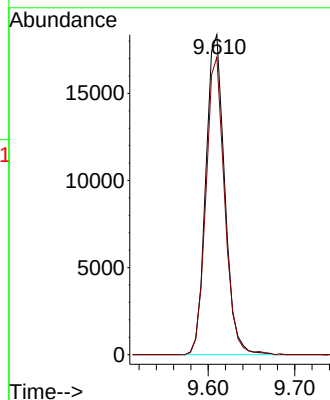
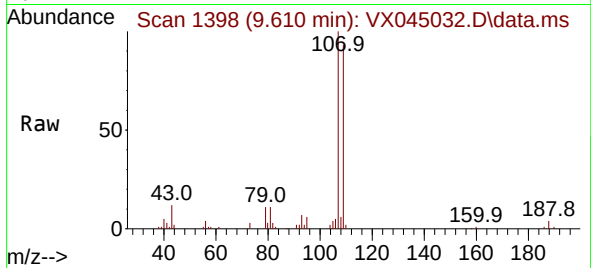




#61
1,2-Dibromoethane
Concen: 20.354 ug/l
RT: 9.610 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

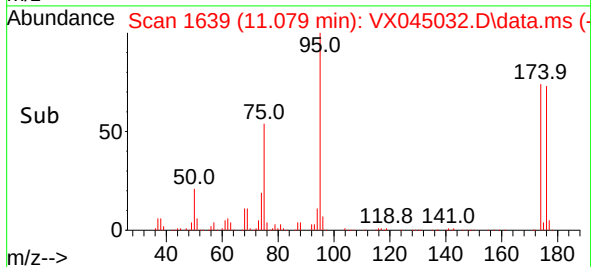
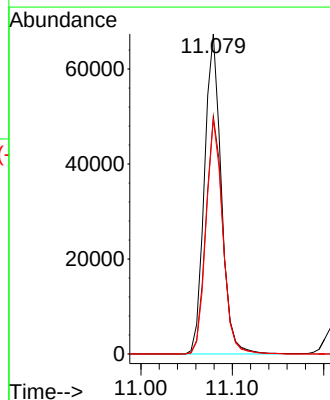
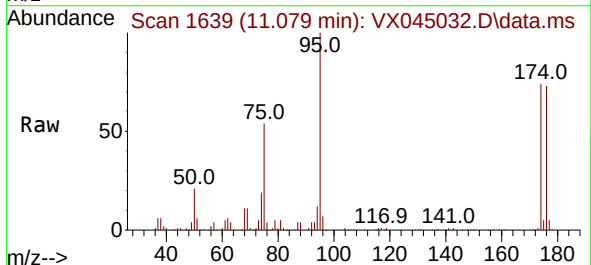
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

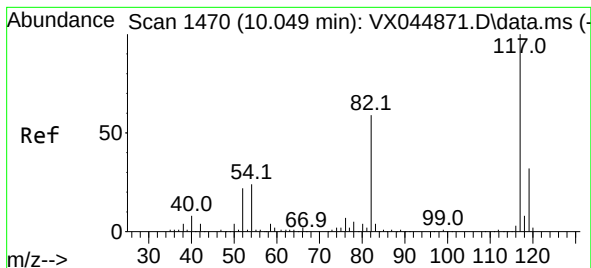
Tgt Ion:107 Resp: 27734
Ion Ratio Lower Upper
107 100
109 92.5 75.9 113.9



#62
4-Bromofluorobenzene
Concen: 51.563 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 95 Resp: 85680
Ion Ratio Lower Upper
95 100
174 75.4 0.0 142.6
176 72.8 0.0 141.6

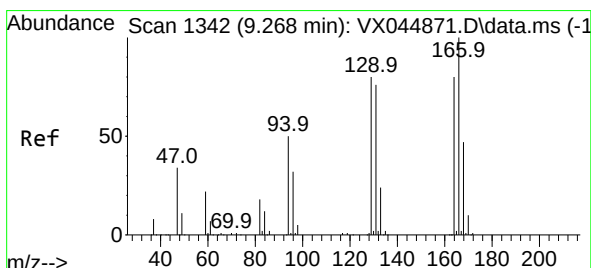
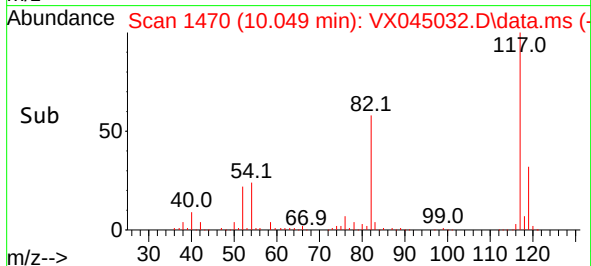
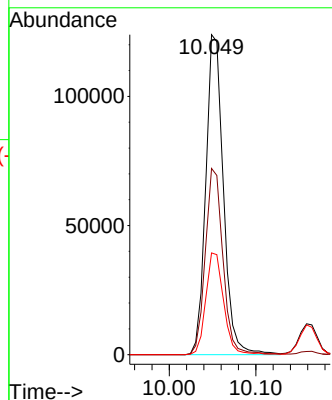
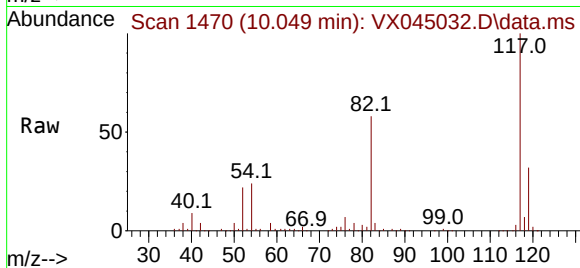




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

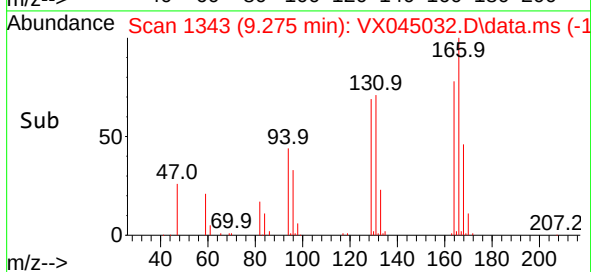
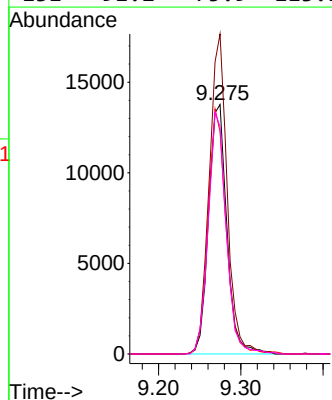
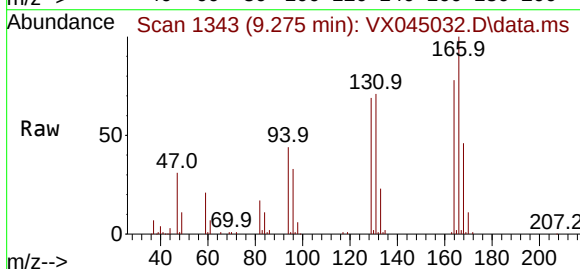
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

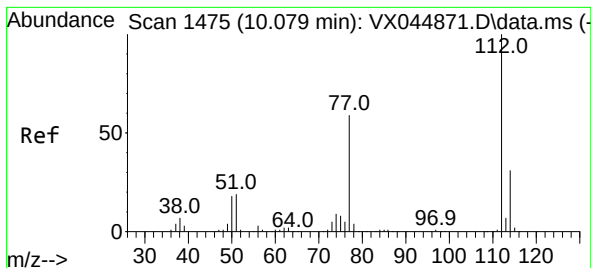
Tgt Ion:	117	Resp:	175398
Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.5	71.3
119	31.8	25.4	38.0



#64
Tetrachloroethene
Concen: 19.227 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:	164	Resp:	21268
Ion	Ratio	Lower	Upper
164	100		
166	128.3	100.4	150.6
129	89.1	79.9	119.9
131	91.2	75.9	113.9

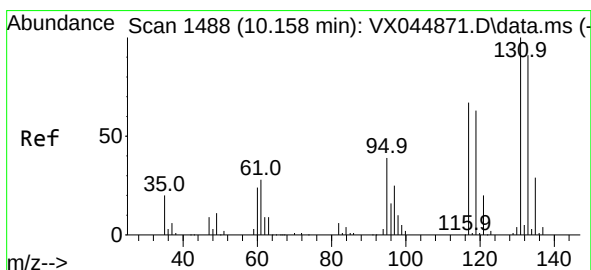
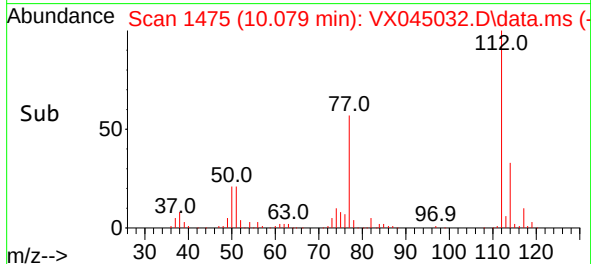
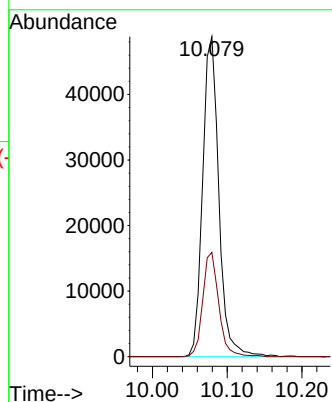
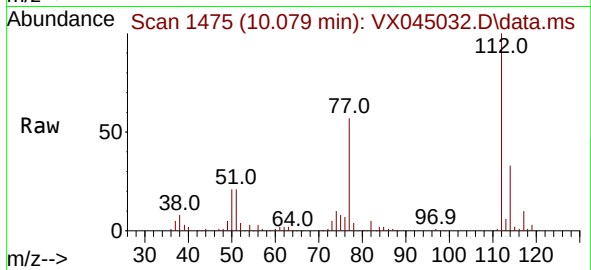




#65
Chlorobenzene
Concen: 19.510 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

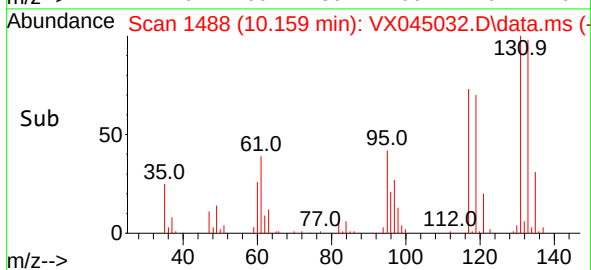
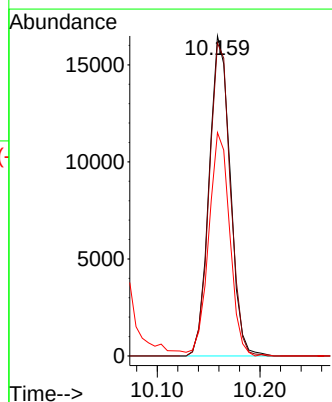
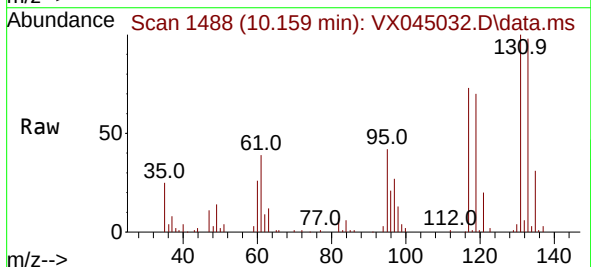
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

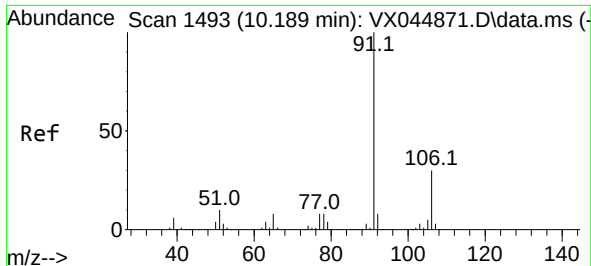
Tgt Ion:112 Resp: 73498
Ion Ratio Lower Upper
112 100
114 32.6 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.356 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:131 Resp: 23471
Ion Ratio Lower Upper
131 100
133 97.9 47.1 141.3
119 69.4 33.6 100.6





#67

Ethyl Benzene

Concen: 19.022 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

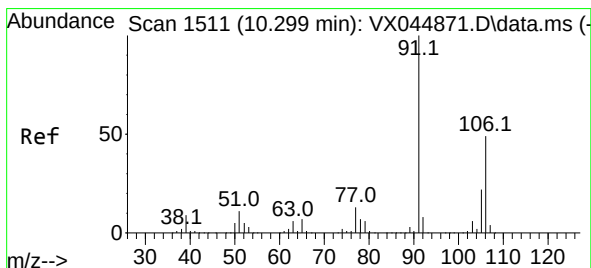
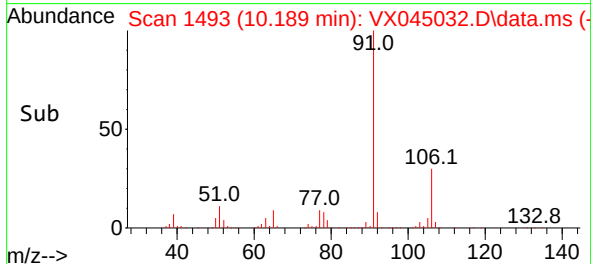
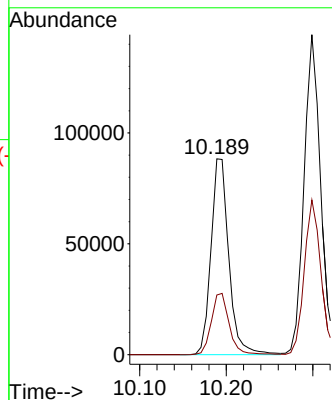
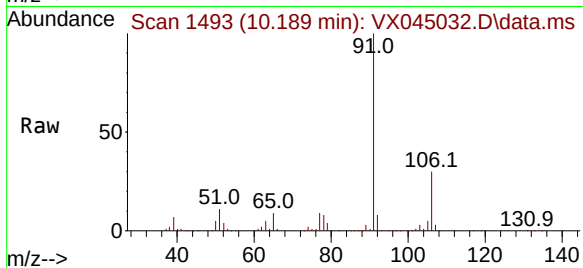
VX0225WBS01

Tgt Ion: 91 Resp: 126463

Ion Ratio Lower Upper

91 100

106 30.5 23.9 35.9



#68

m/p-Xylenes

Concen: 38.825 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX045032.D

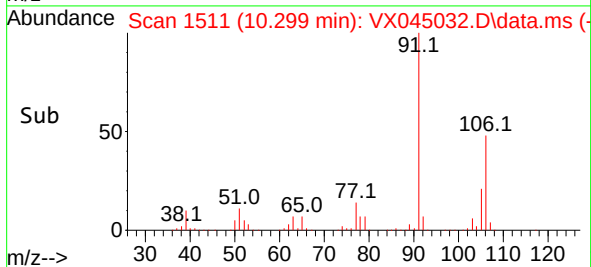
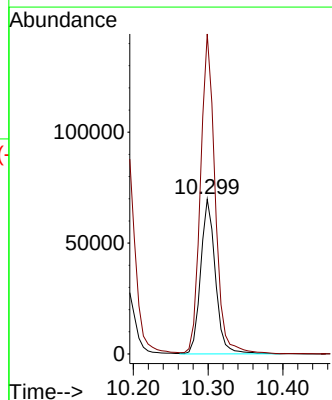
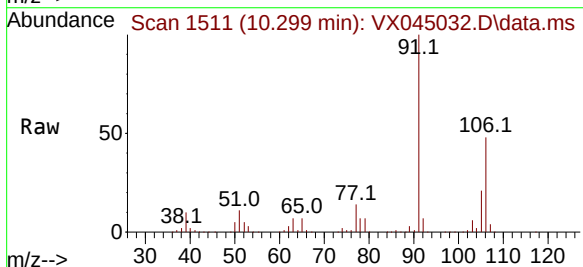
Acq: 25 Feb 2025 12:30

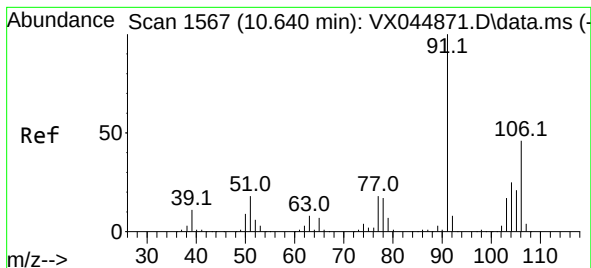
Tgt Ion: 106 Resp: 95213

Ion Ratio Lower Upper

106 100

91 205.8 164.3 246.5

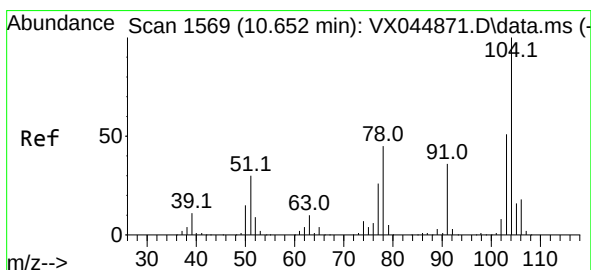
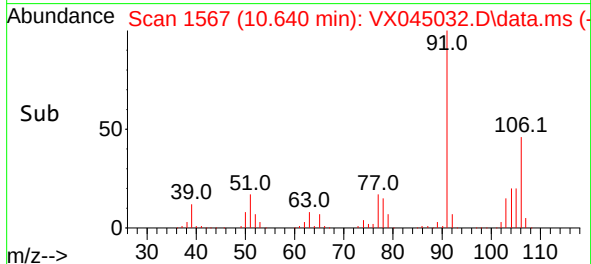
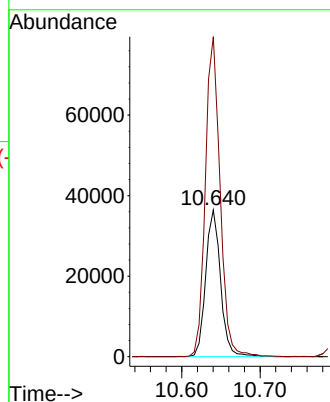
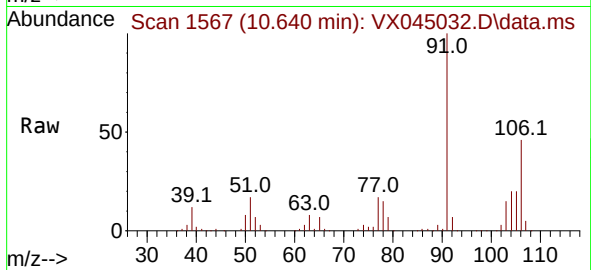




#69
o-Xylene
Concen: 19.470 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

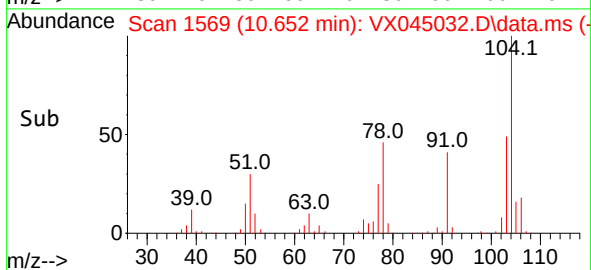
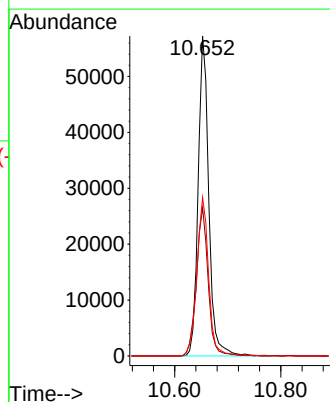
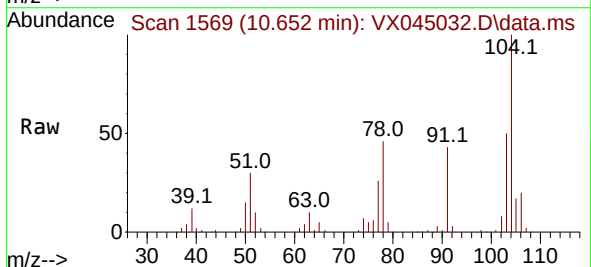
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

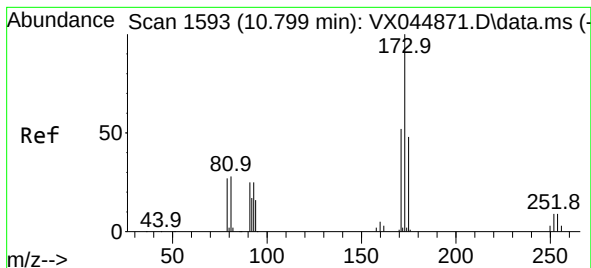
Tgt Ion:106 Resp: 47911
Ion Ratio Lower Upper
106 100
91 216.9 108.5 325.5



#70
Styrene
Concen: 20.025 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:104 Resp: 79389
Ion Ratio Lower Upper
104 100
78 51.1 40.5 60.7
103 54.8 43.6 65.4





#71

Bromoform

Concen: 20.964 ug/l

RT: 10.799 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

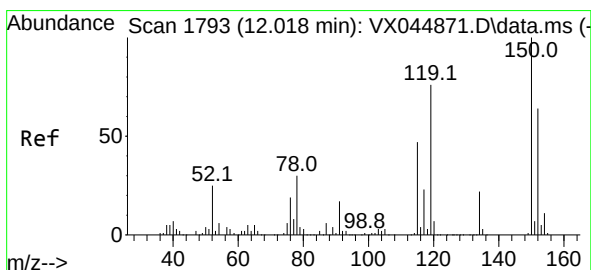
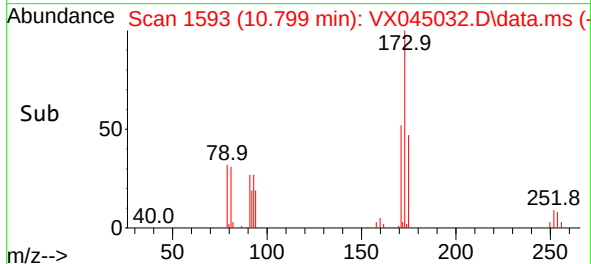
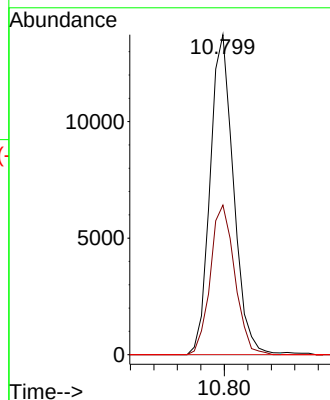
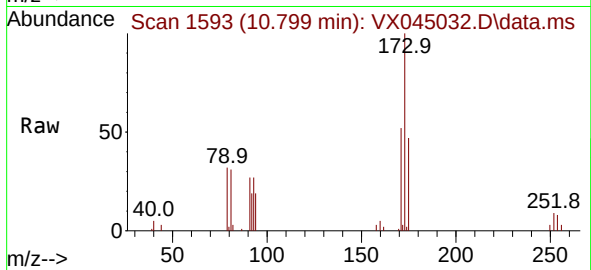
Tgt Ion:173 Resp: 18971

Ion Ratio Lower Upper

173 100

175 48.8 24.3 72.8

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: VX045032.D

Acq: 25 Feb 2025 12:30

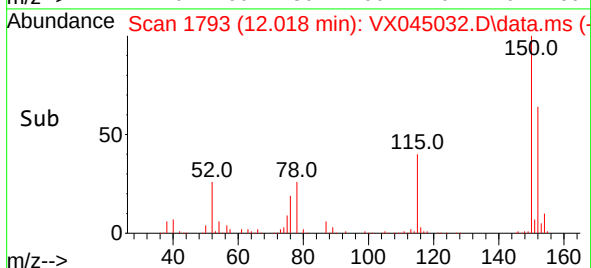
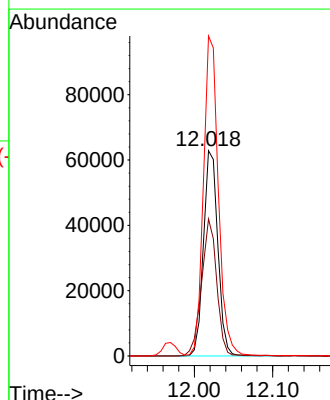
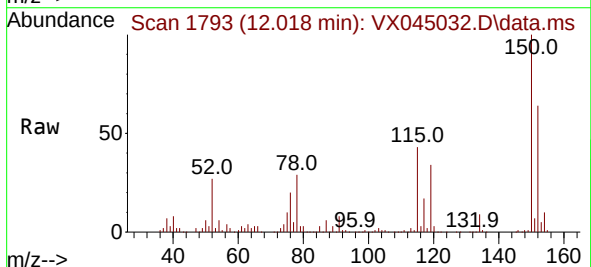
Tgt Ion:152 Resp: 80174

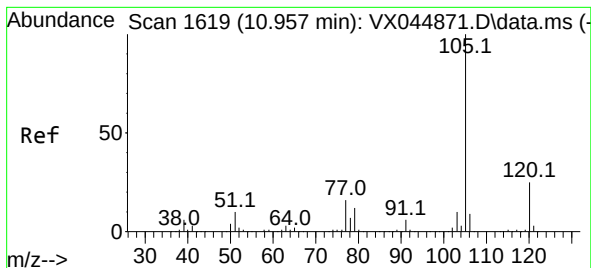
Ion Ratio Lower Upper

152 100

115 70.2 43.4 130.1

150 161.2 0.0 350.4





#73

Isopropylbenzene

Concen: 19.026 ug/l

RT: 10.957 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

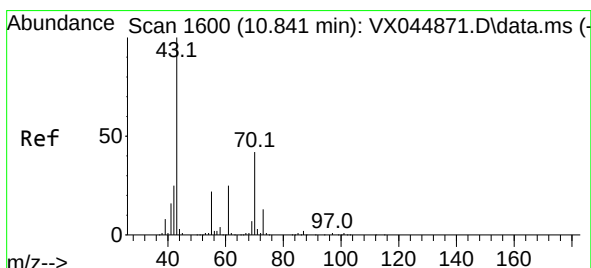
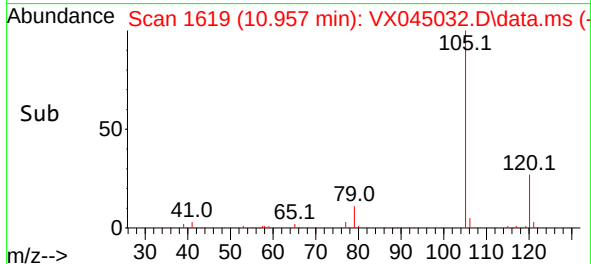
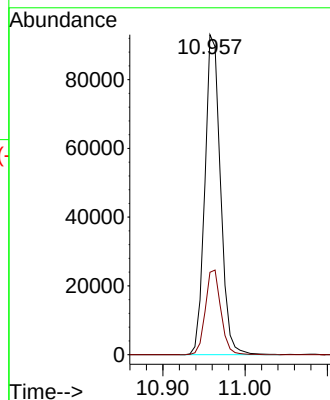
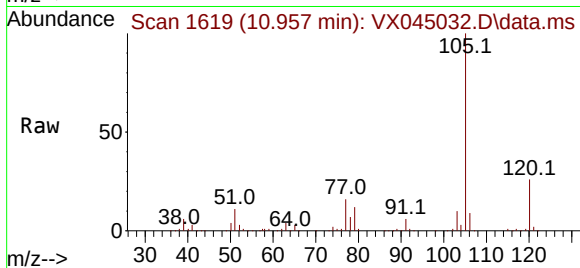
VX0225WBS01

Tgt Ion:105 Resp: 122826

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.5



#74

N-ethyl acetate

Concen: 19.423 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Tgt Ion: 43 Resp: 56740

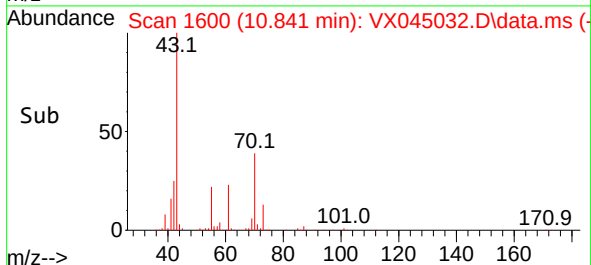
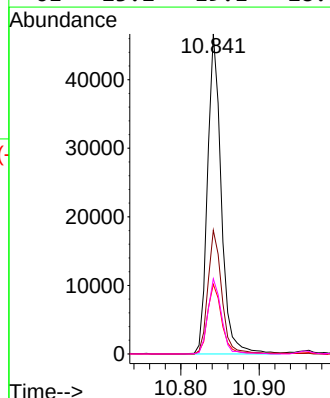
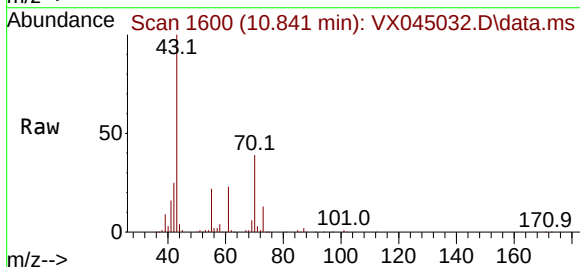
Ion Ratio Lower Upper

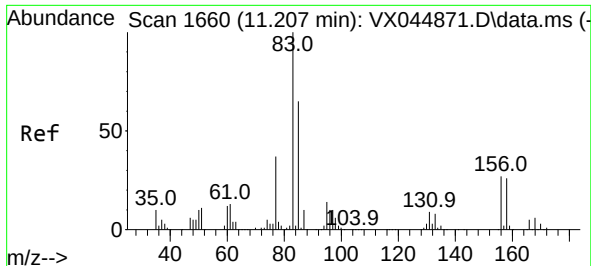
43 100

70 38.8 33.7 50.5

55 22.6 18.6 27.8

61 23.2 19.1 28.7

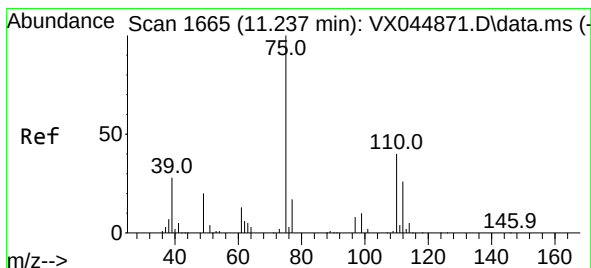
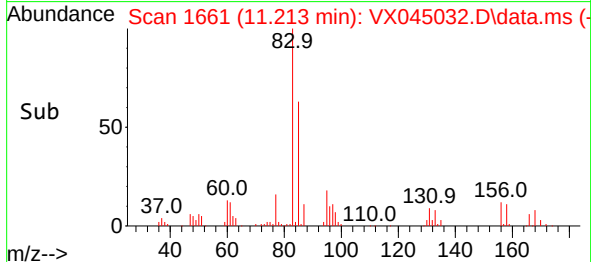
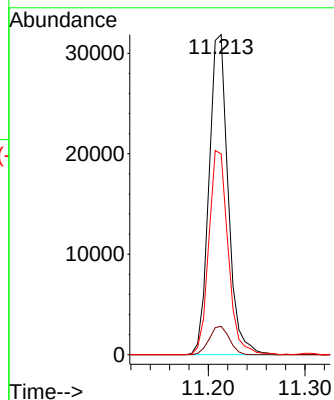
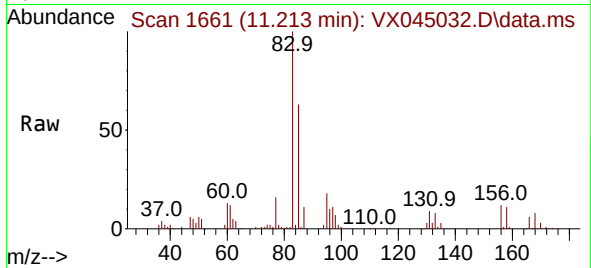




#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.709 ug/l
 RT: 11.213 min Scan# 1661
 Delta R.T. 0.006 min
 Lab File: VX045032.D
 Acq: 25 Feb 2025 12:30

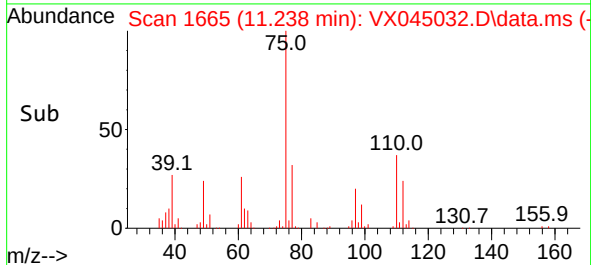
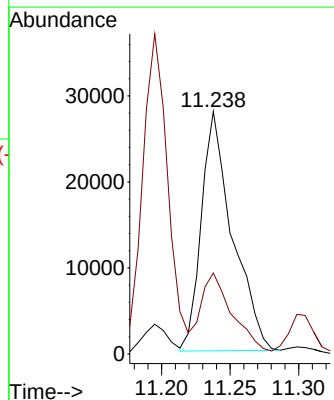
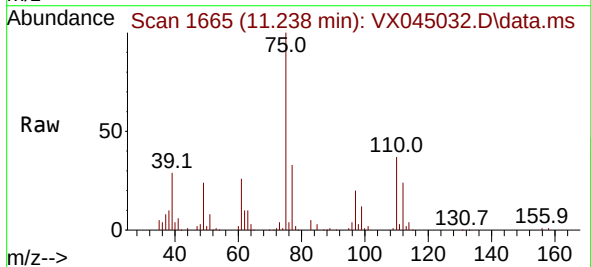
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0225WBS01

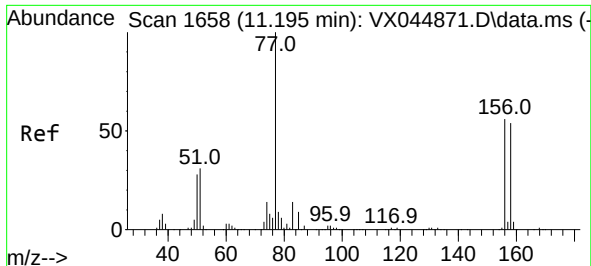
Tgt Ion: 83 Resp: 43721
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.5 13.5
 85 64.5 32.3 96.8



#76
 1,2,3-Trichloropropane
 Concen: 24.701 ug/l
 RT: 11.238 min Scan# 1665
 Delta R.T. 0.000 min
 Lab File: VX045032.D
 Acq: 25 Feb 2025 12:30

Tgt Ion: 75 Resp: 43908
 Ion Ratio Lower Upper
 75 100
 77 34.6 21.9 65.7

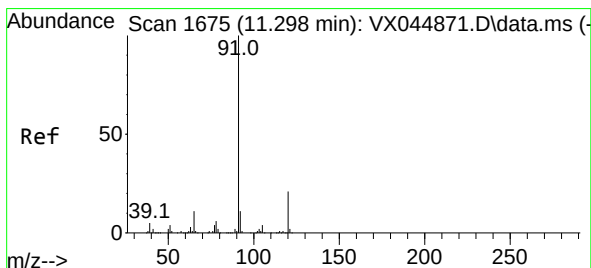
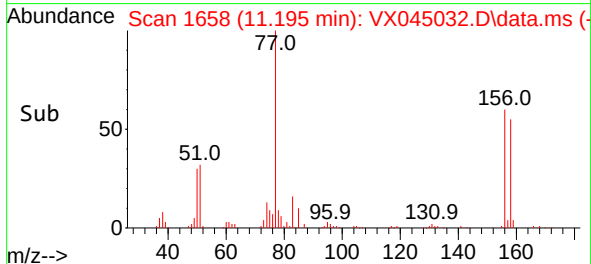
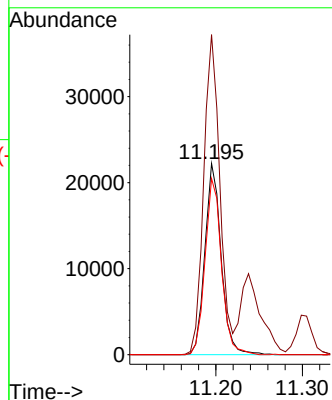
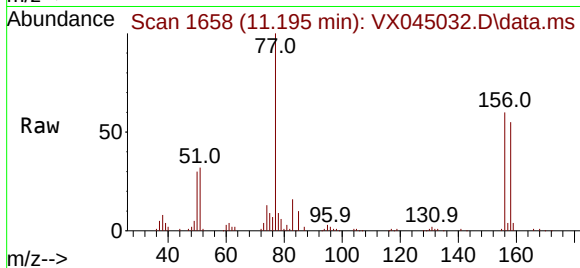




#77
Bromobenzene
Concen: 19.860 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

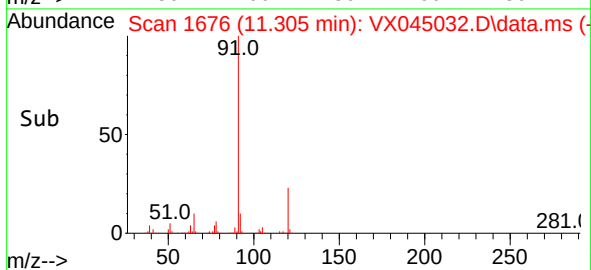
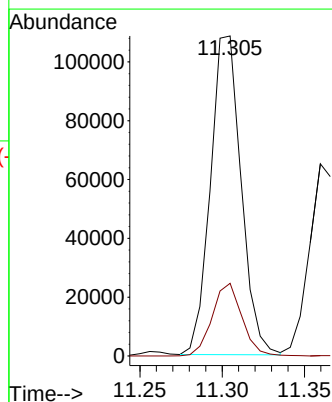
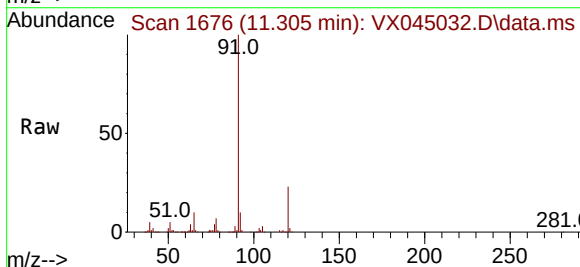
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

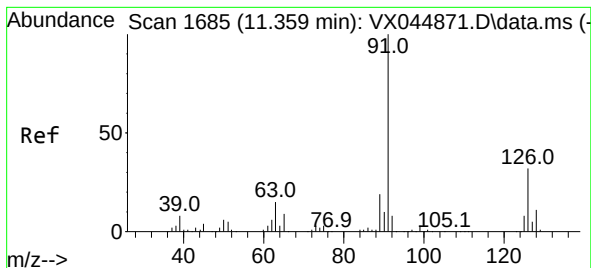
Tgt Ion:156 Resp: 29066
Ion Ratio Lower Upper
156 100
77 165.1 88.4 265.3
158 92.9 48.4 145.2



#78
n-propylbenzene
Concen: 18.896 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 91 Resp: 140796
Ion Ratio Lower Upper
91 100
120 22.1 11.1 33.3

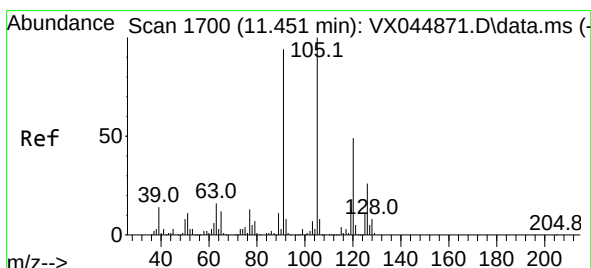
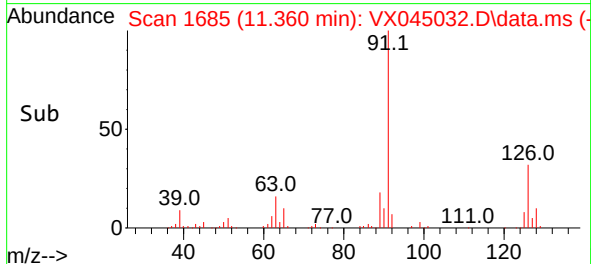
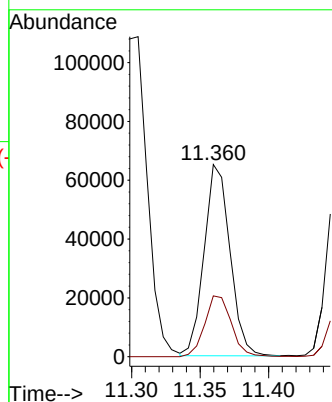
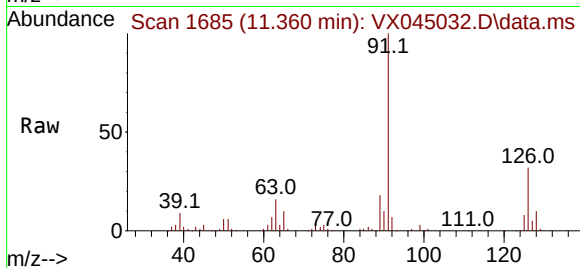




#79
2-Chlorotoluene
Concen: 18.638 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

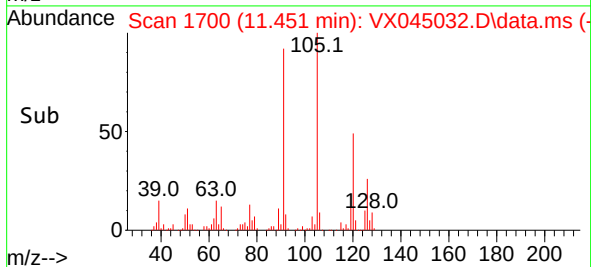
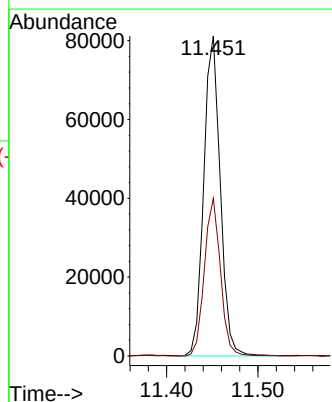
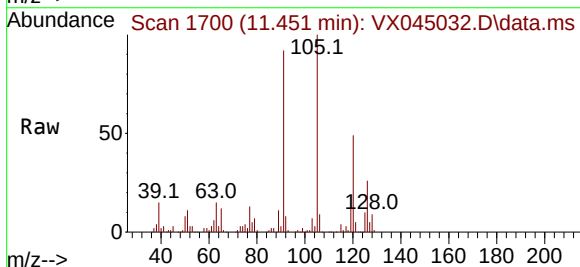
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

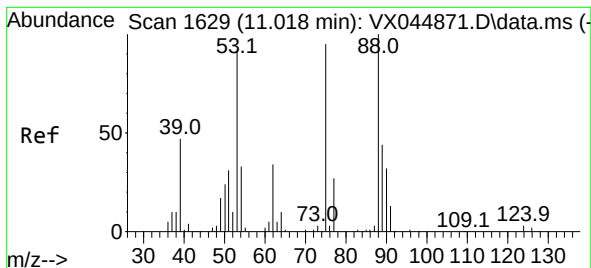
Tgt Ion: 91 Resp: 85351
Ion Ratio Lower Upper
91 100
126 32.9 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 19.413 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 105 Resp: 101697
Ion Ratio Lower Upper
105 100
120 48.0 24.0 72.0

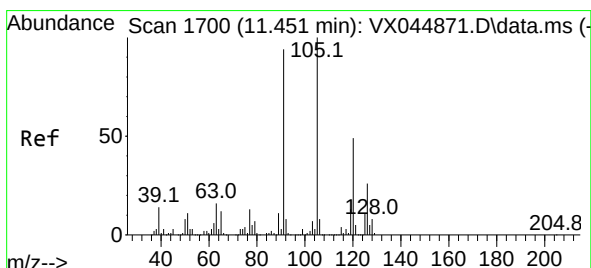
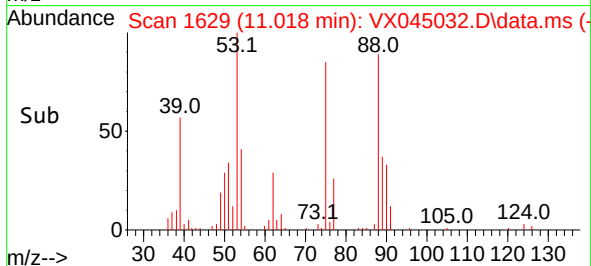
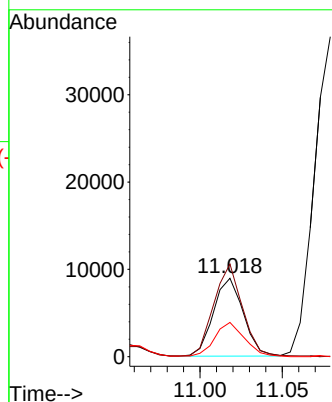
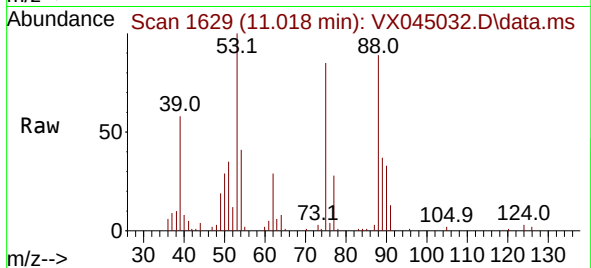




#81
trans-1,4-Dichloro-2-butene
Concen: 16.327 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

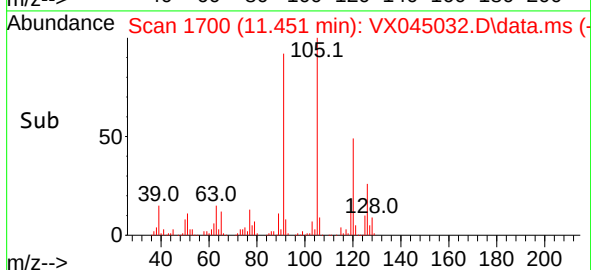
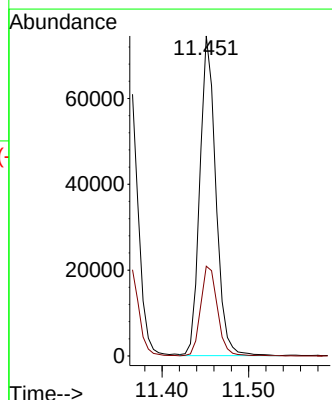
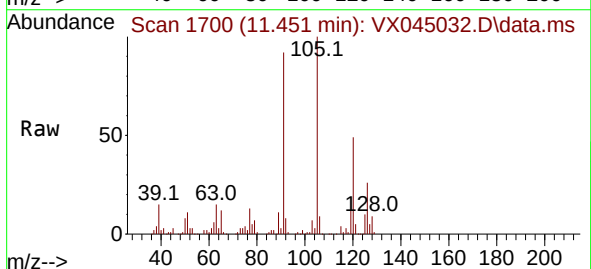
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

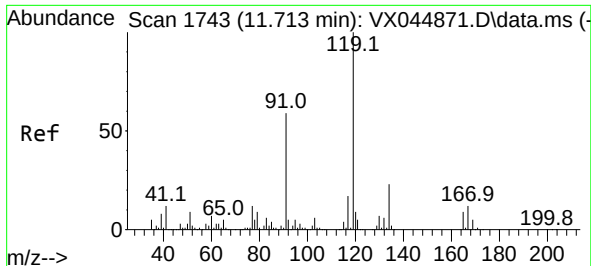
Tgt Ion: 75 Resp: 11282
Ion Ratio Lower Upper
75 100
53 115.7 78.0 117.0
89 44.1 36.6 54.8



#82
4-Chlorotoluene
Concen: 18.828 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion: 91 Resp: 95392
Ion Ratio Lower Upper
91 100
126 29.7 14.2 42.6

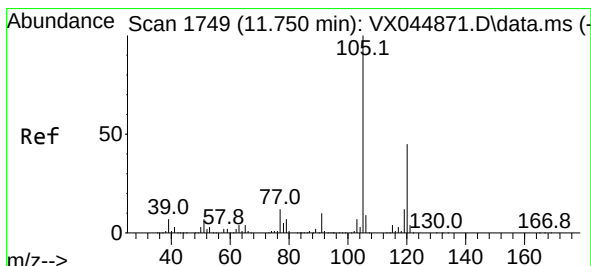
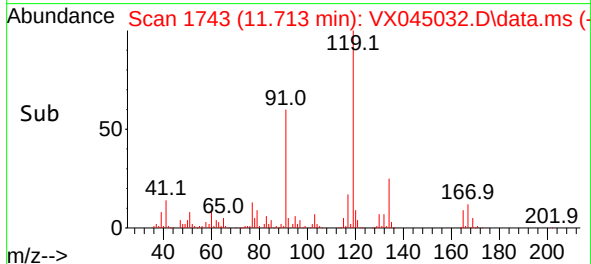
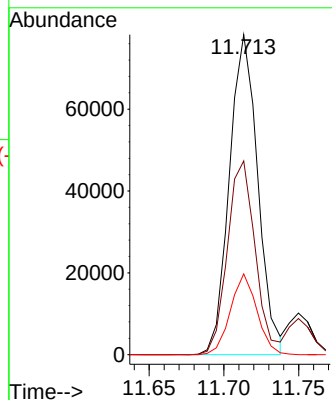
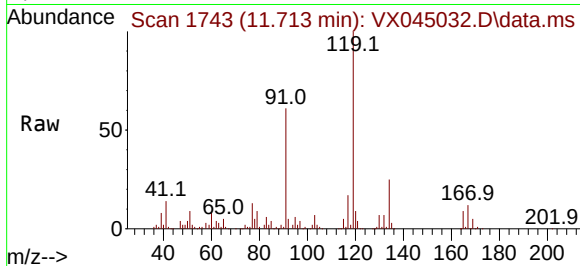




#83
 tert-Butylbenzene
 Concen: 19.525 ug/l
 RT: 11.713 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX045032.D
 Acq: 25 Feb 2025 12:30

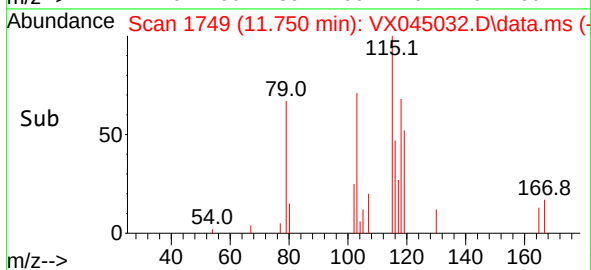
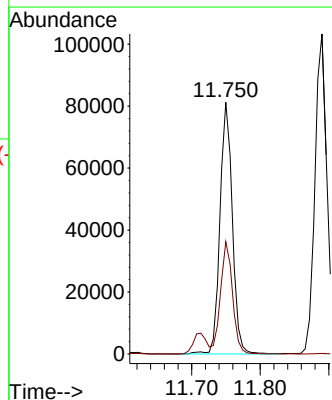
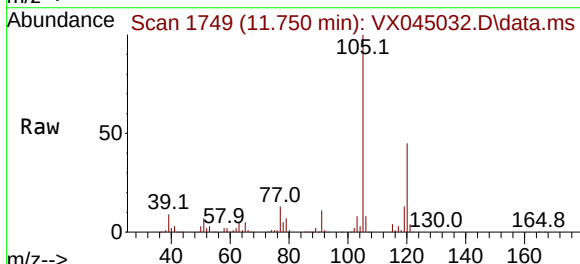
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0225WBS01

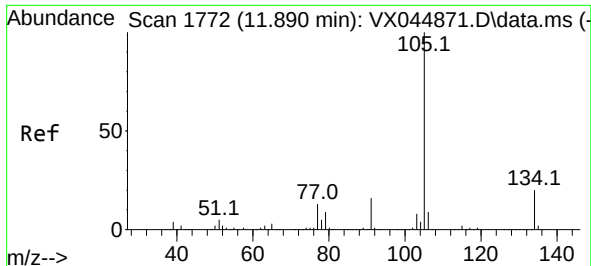
Tgt Ion:	119	Resp:	103475
Ion	Ratio	Lower	Upper
119	100		
91	59.5	29.1	87.4
134	23.5	11.5	34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 19.564 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX045032.D
 Acq: 25 Feb 2025 12:30

Tgt Ion:	105	Resp:	101154
Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.4	67.0

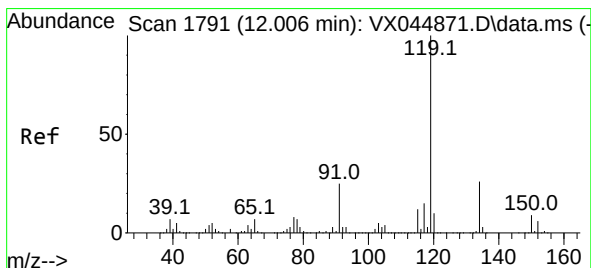
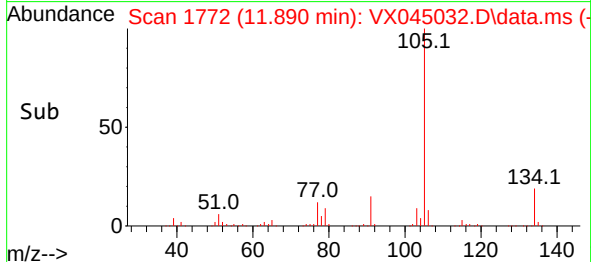
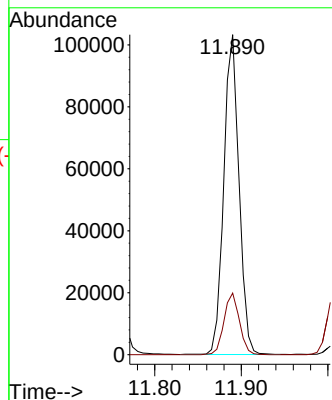
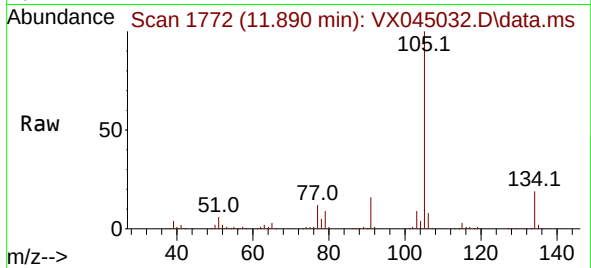




#85
sec-Butylbenzene
Concen: 19.167 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

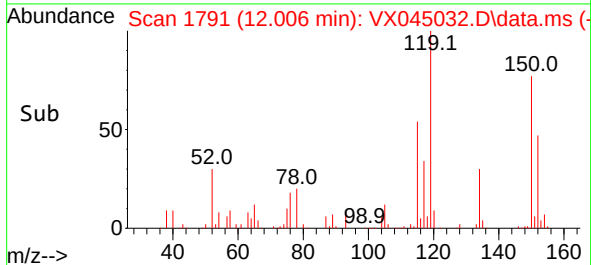
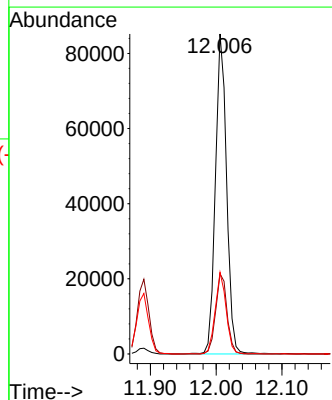
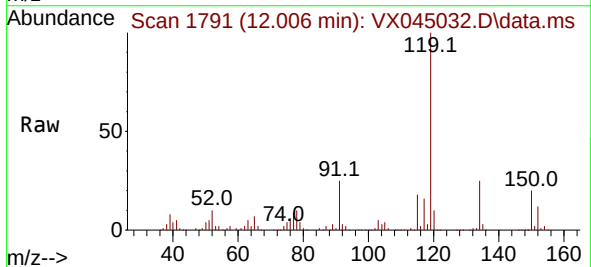
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

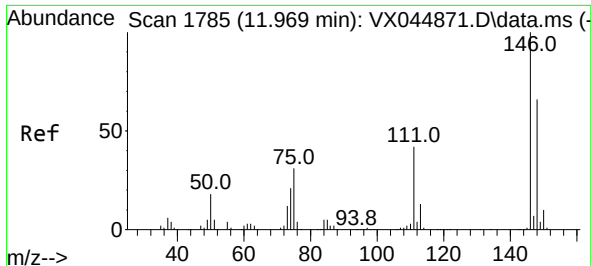
Tgt Ion:105 Resp: 125785
Ion Ratio Lower Upper
105 100
134 19.5 9.8 29.3



#86
p-Isopropyltoluene
Concen: 19.116 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:119 Resp: 100881
Ion Ratio Lower Upper
119 100
134 25.5 13.0 38.9
91 25.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 18.633 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

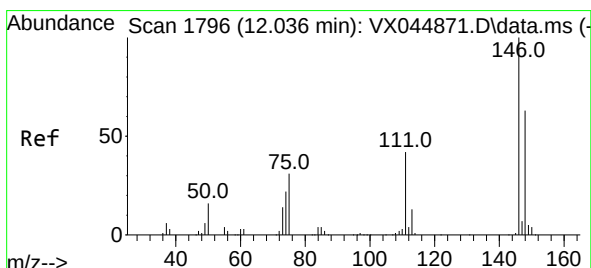
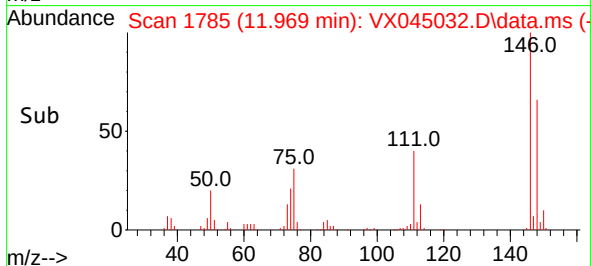
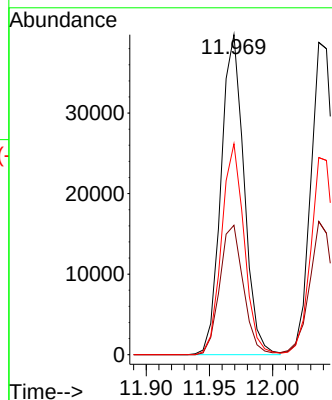
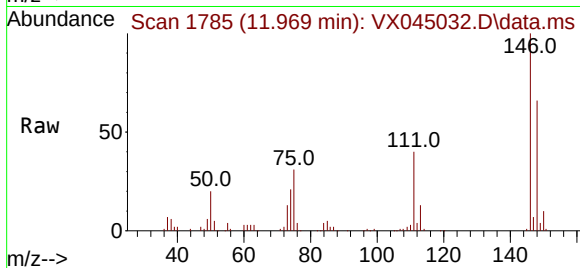
Tgt Ion:146 Resp: 50150

Ion Ratio Lower Upper

146 100

111 41.5 21.2 63.6

148 64.9 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 18.636 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

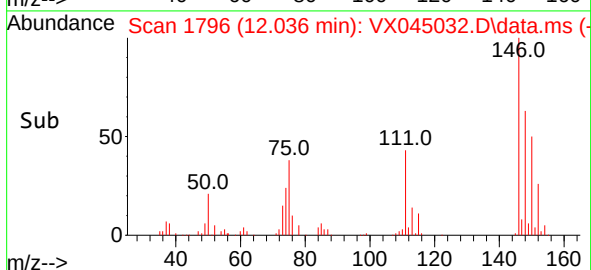
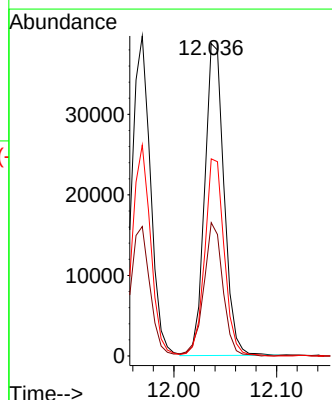
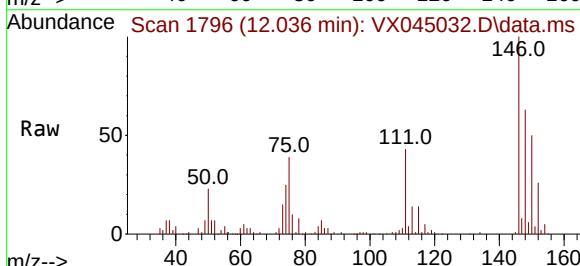
Tgt Ion:146 Resp: 50714

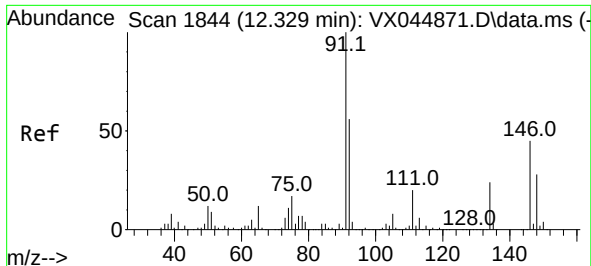
Ion Ratio Lower Upper

146 100

111 42.6 20.4 61.3

148 63.9 32.0 96.0





#89

n-Butylbenzene

Concen: 18.666 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

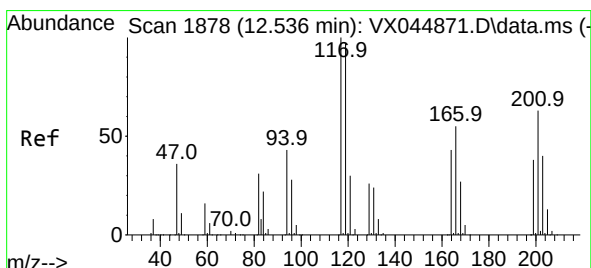
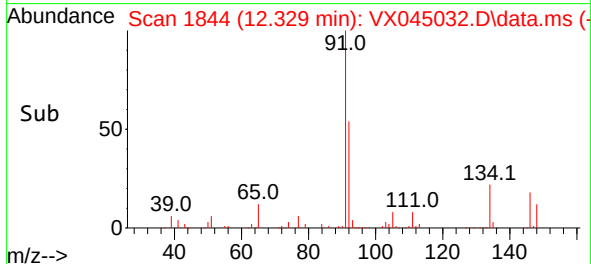
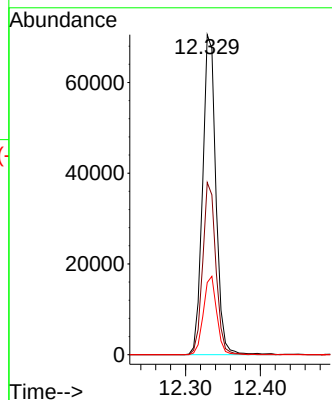
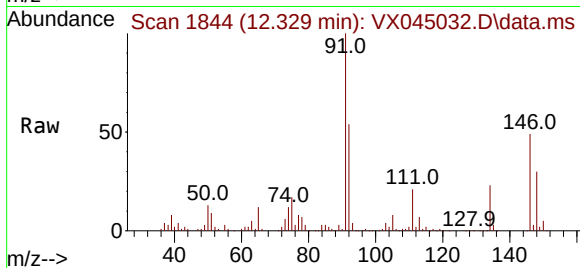
Tgt Ion: 91 Resp: 87150

Ion Ratio Lower Upper

91 100

92 53.5 27.2 81.6

134 24.5 12.1 36.3



#90

Hexachloroethane

Concen: 18.288 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX045032.D

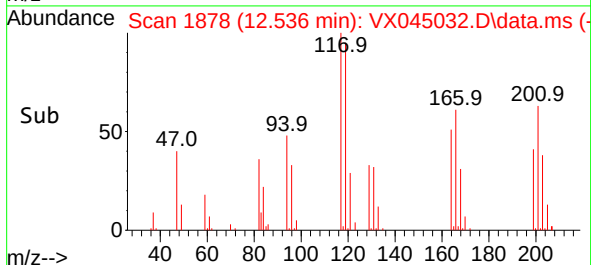
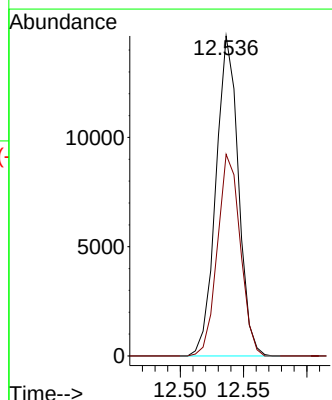
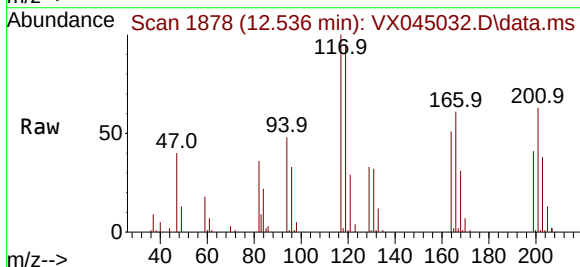
Acq: 25 Feb 2025 12:30

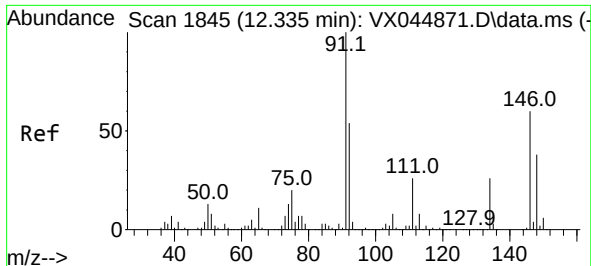
Tgt Ion: 117 Resp: 18072

Ion Ratio Lower Upper

117 100

201 64.1 32.5 97.5





#91

1,2-Dichlorobenzene

Concen: 19.233 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

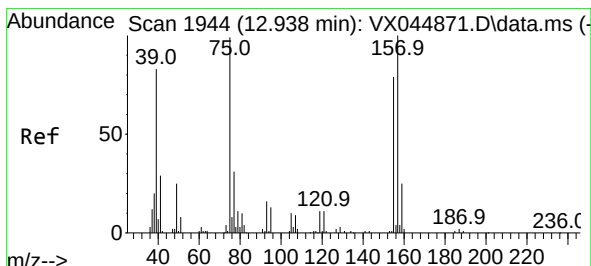
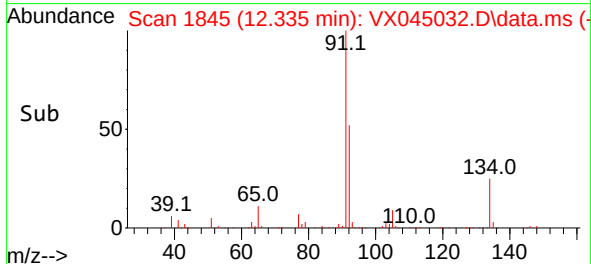
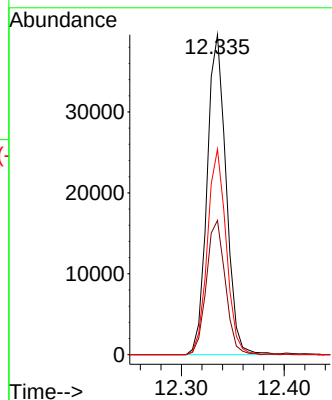
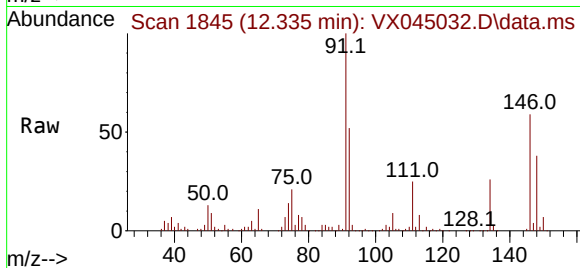
Tgt Ion:146 Resp: 50875

Ion Ratio Lower Upper

146 100

111 42.0 21.8 65.4

148 63.6 31.9 95.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.172 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

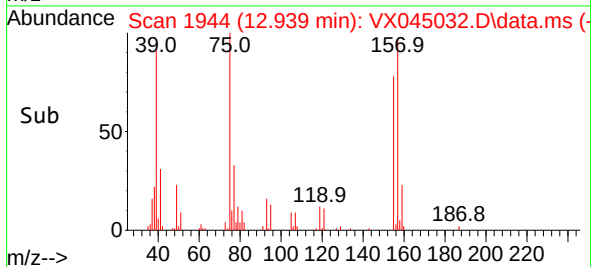
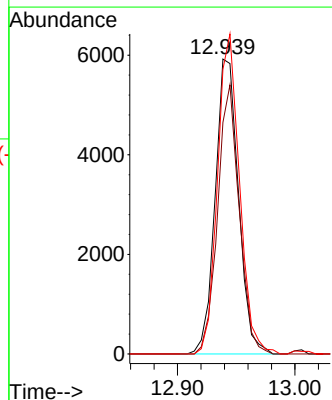
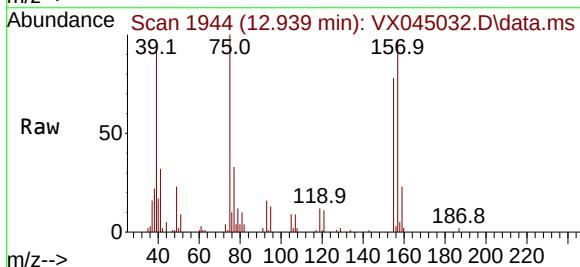
Tgt Ion: 75 Resp: 8167

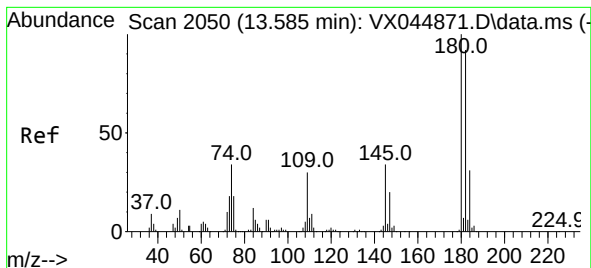
Ion Ratio Lower Upper

75 100

155 84.6 40.5 121.4

157 102.6 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 17.779 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBS01

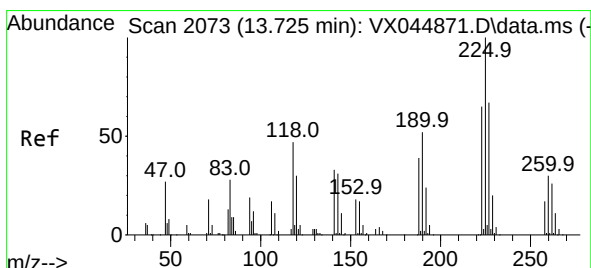
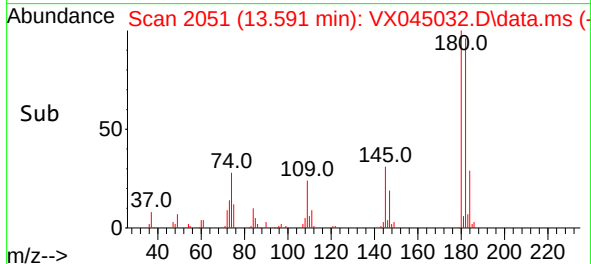
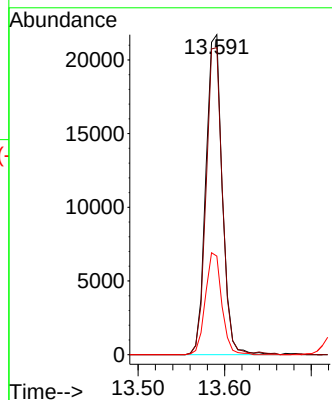
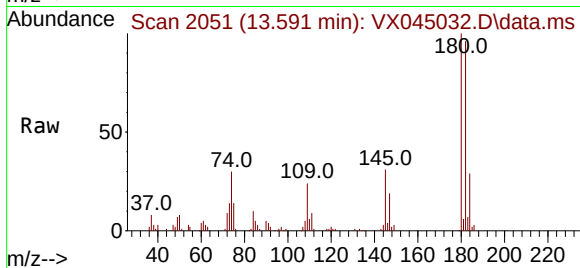
Tgt Ion:180 Resp: 28457

Ion Ratio Lower Upper

180 100

182 95.5 47.6 142.8

145 32.0 16.4 49.1



#94

Hexachlorobutadiene

Concen: 18.900 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX045032.D

Acq: 25 Feb 2025 12:30

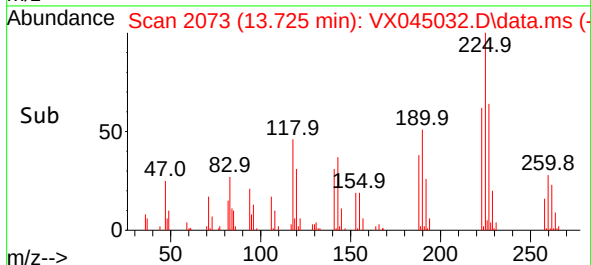
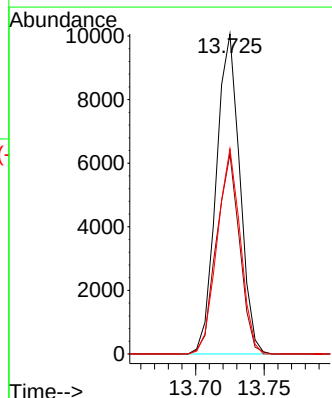
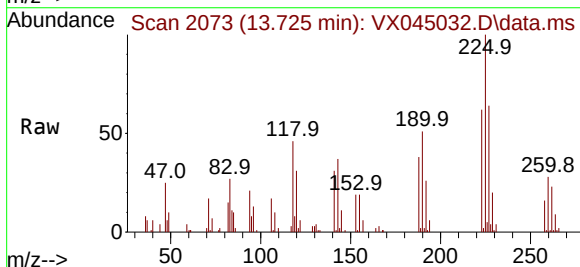
Tgt Ion:225 Resp: 12009

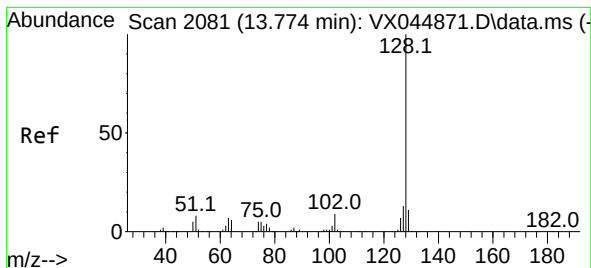
Ion Ratio Lower Upper

225 100

223 61.5 31.4 94.2

227 63.0 32.3 96.8

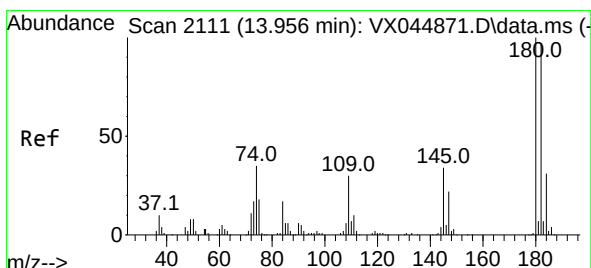
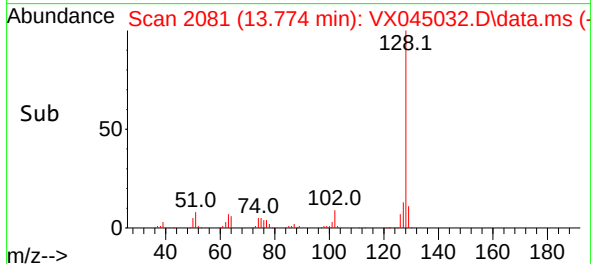
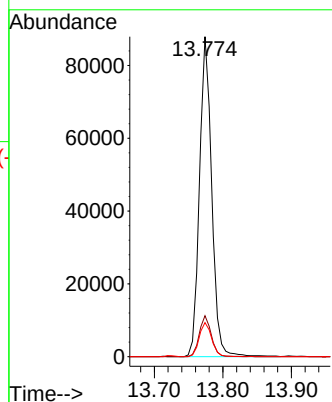
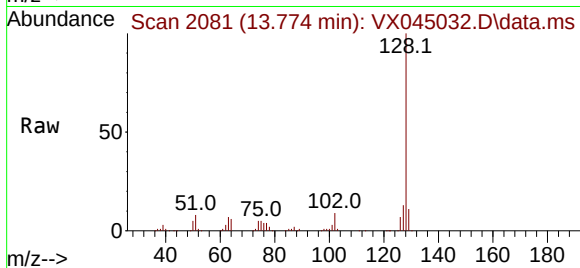




#95
Naphthalene
Concen: 18.898 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

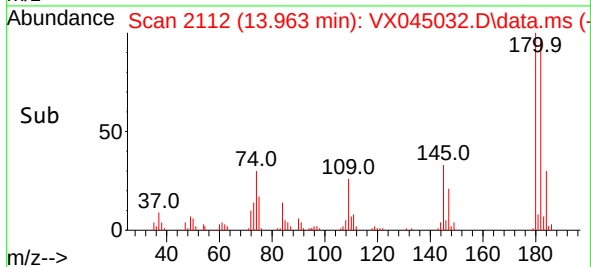
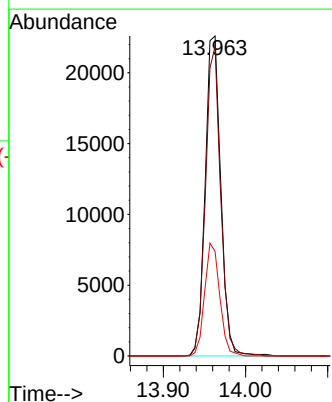
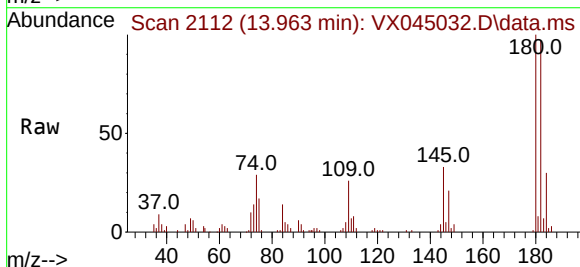
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBS01

Tgt Ion:128 Resp: 109343
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 18.454 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045032.D
Acq: 25 Feb 2025 12:30

Tgt Ion:180 Resp: 29764
Ion Ratio Lower Upper
180 100
182 93.9 47.9 143.6
145 34.2 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
 Data File : VX045033.D
 Acq On : 25 Feb 2025 12:57
 Operator : JC/MD
 Sample : VX0225WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0225WBSD01

Quant Time: Feb 26 03:14:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	104015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	184616	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	164218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	77007	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	81281	53.383	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.760%	
35) Dibromofluoromethane	5.379	113	64458	53.701	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.400%	
50) Toluene-d8	8.647	98	225725	49.732	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.460%	
62) 4-Bromofluorobenzene	11.079	95	82320	53.799	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.600%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	26428	18.116	ug/l	97
3) Chloromethane	1.313	50	27728	15.616	ug/l	98
4) Vinyl Chloride	1.374	62	27620	16.057	ug/l	98
5) Bromomethane	1.593	94	10551	20.498	ug/l	86
6) Chloroethane	1.672	64	16473	22.738	ug/l	100
7) Trichlorofluoromethane	1.874	101	41082	18.886	ug/l	99
8) Diethyl Ether	2.130	74	15050	19.077	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	24224	18.431	ug/l	98
10) Methyl Iodide	2.447	142	24750	14.530	ug/l	96
11) Tert butyl alcohol	2.971	59	33570	118.846	ug/l	99
12) 1,1-Dichloroethene	2.313	96	22933	17.106	ug/l	96
13) Acrolein	2.233	56	24474	83.978	ug/l	99
14) Allyl chloride	2.660	41	45680	18.853	ug/l	98
15) Acrylonitrile	3.062	53	85298	113.101	ug/l	98
16) Acetone	2.380	43	73126	119.468	ug/l	96
17) Carbon Disulfide	2.501	76	56362	15.331	ug/l	100
18) Methyl Acetate	2.703	43	48917	25.325	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	82029	19.230	ug/l	96
20) Methylene Chloride	2.782	84	27752	18.510	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	23160	17.552	ug/l	97
22) Diisopropyl ether	3.757	45	90716	19.790	ug/l	88
23) Vinyl Acetate	3.721	43	366009	97.941	ug/l	99
24) 1,1-Dichloroethane	3.605	63	47577	18.550	ug/l	97
25) 2-Butanone	4.556	43	119622	120.352	ug/l	93
26) 2,2-Dichloropropane	4.471	77	35307	17.358	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	29525	18.628	ug/l	100
28) Bromochloromethane	4.897	49	25948	21.051	ug/l	98
29) Tetrahydrofuran	5.001	42	78676	119.207	ug/l	98
30) Chloroform	5.086	83	49005	19.701	ug/l	97
31) Cyclohexane	5.458	56	41985	17.756	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	39919	18.921	ug/l	100
36) 1,1-Dichloropropene	5.690	75	31489	18.184	ug/l	100
37) Ethyl Acetate	4.715	43	43459	22.562	ug/l	99
38) Carbon Tetrachloride	5.666	117	33303	19.625	ug/l	99
39) Methylcyclohexane	7.373	83	41979	18.750	ug/l	97
40) Benzene	6.031	78	101685	18.805	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
 Data File : VX045033.D
 Acq On : 25 Feb 2025 12:57
 Operator : JC/MD
 Sample : VX0225WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0225WBSD01

Quant Time: Feb 26 03:14:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	25273	24.513	ug/l	96
42) 1,2-Dichloroethane	6.080	62	36973	21.453	ug/l	99
43) Isopropyl Acetate	6.342	43	67869	21.820	ug/l	98
44) Trichloroethene	7.123	130	23937	19.366	ug/l	97
45) 1,2-Dichloropropane	7.427	63	26735	19.873	ug/l	98
46) Dibromomethane	7.580	93	19271	20.656	ug/l	99
47) Bromodichloromethane	7.818	83	37771	20.908	ug/l	99
48) Methyl methacrylate	7.696	41	33381	22.760	ug/l	97
49) 1,4-Dioxane	7.659	88	15530	493.544	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	238466	126.106	ug/l	97
52) Toluene	8.714	92	62103	19.284	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	33432	18.288	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	40084	19.666	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	26031	21.027	ug/l	96
56) Ethyl methacrylate	9.116	69	41220	20.616	ug/l	98
57) 1,3-Dichloropropane	9.305	76	44709	20.641	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	88402	90.045	ug/l	100
59) 2-Hexanone	9.427	43	175998	129.175	ug/l	97
60) Dibromochloromethane	9.519	129	27361	20.666	ug/l	99
61) 1,2-Dibromoethane	9.610	107	26005	20.725	ug/l	99
64) Tetrachloroethene	9.269	164	19902	19.217	ug/l	98
65) Chlorobenzene	10.079	112	68070	19.299	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	22640	19.942	ug/l	98
67) Ethyl Benzene	10.189	91	119195	19.150	ug/l	98
68) m/p-Xylenes	10.299	106	90661	39.486	ug/l	98
69) o-Xylene	10.640	106	44481	19.307	ug/l	99
70) Styrene	10.652	104	74872	20.171	ug/l	100
71) Bromoform	10.799	173	17936	21.169	ug/l #	98
73) Isopropylbenzene	10.957	105	115836	18.682	ug/l	100
74) N-amyl acetate	10.841	43	56516	20.142	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	43038	20.199	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	43607	25.541	ug/l	85
77) Bromobenzene	11.195	156	26820	19.079	ug/l	97
78) n-propylbenzene	11.305	91	132947	18.576	ug/l	99
79) 2-Chlorotoluene	11.360	91	81582	18.547	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	96972	19.272	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	11113	16.743	ug/l	89
82) 4-Chlorotoluene	11.451	91	91866	18.878	ug/l	100
83) tert-Butylbenzene	11.713	119	96867	19.030	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	96411	19.413	ug/l	99
85) sec-Butylbenzene	11.890	105	121849	19.331	ug/l	99
86) p-Isopropyltoluene	12.006	119	99219	19.574	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	49720	19.233	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	48639	18.609	ug/l	98
89) n-Butylbenzene	12.329	91	85953	19.167	ug/l	99
90) Hexachloroethane	12.536	117	17367	18.298	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	50374	19.827	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8357	21.490	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	27211	17.700	ug/l	96
94) Hexachlorobutadiene	13.725	225	12391	20.303	ug/l	97
95) Naphthalene	13.774	128	110004	19.794	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	30122	19.444	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045033.D
Acq On : 25 Feb 2025 12:57
Operator : JC/MD
Sample : VX0225WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Quant Time: Feb 26 03:14:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

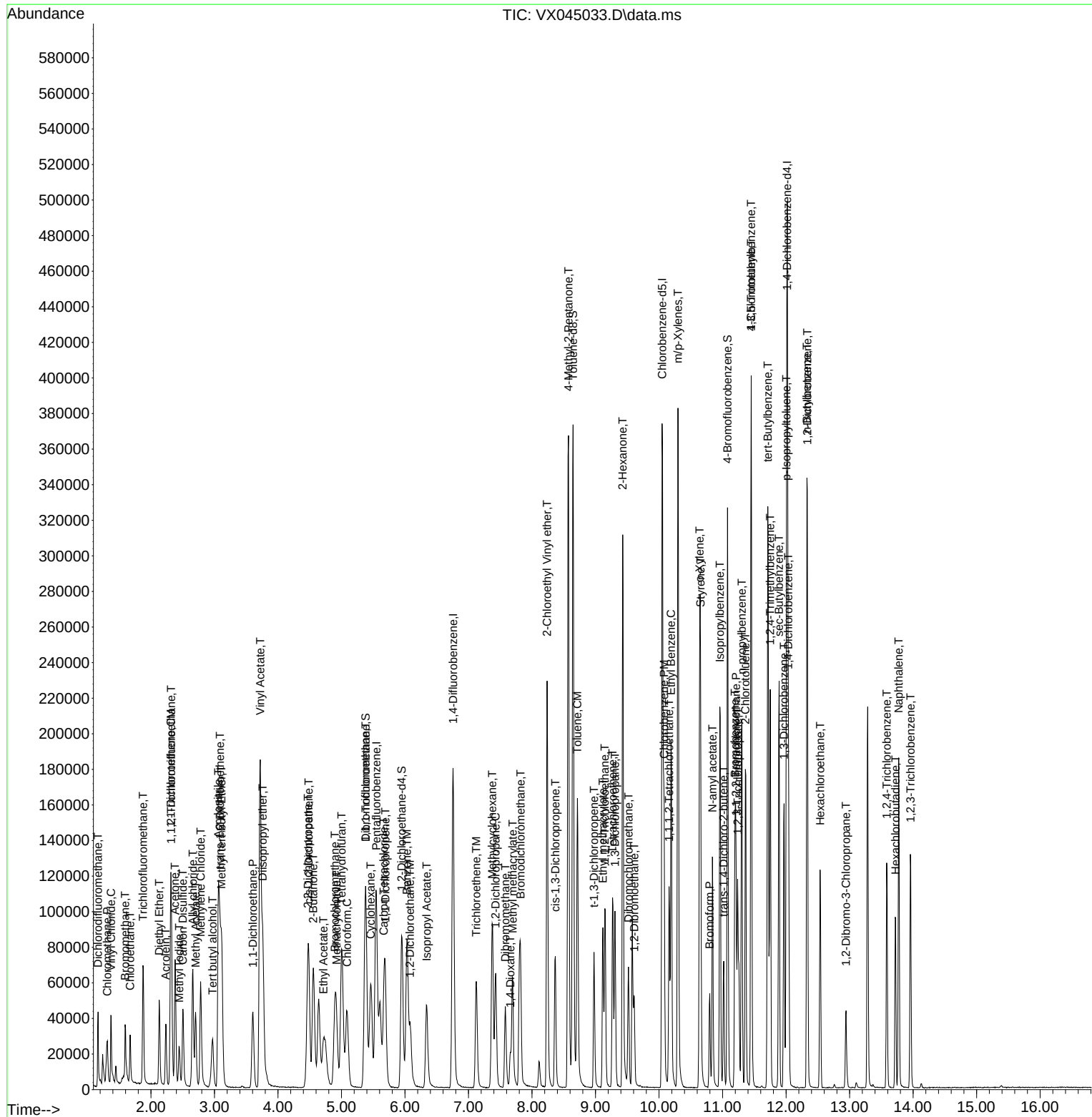
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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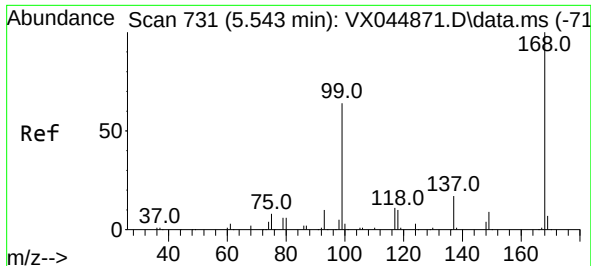
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045033.D
Acq On : 25 Feb 2025 12:57
Operator : JC/MD
Sample : VX0225WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Quant Time: Feb 26 03:14:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

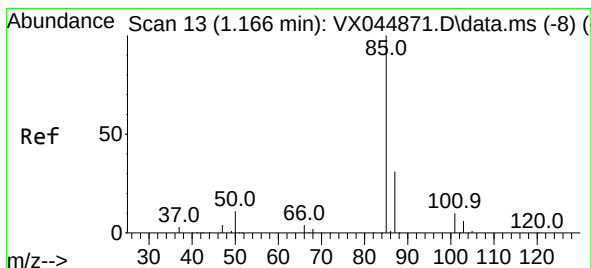
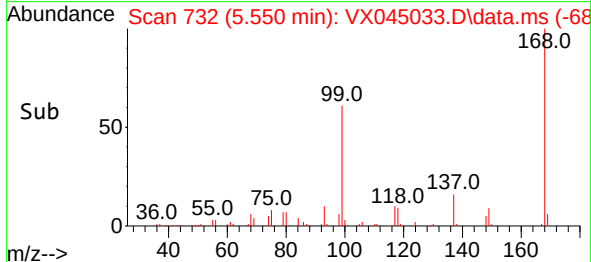
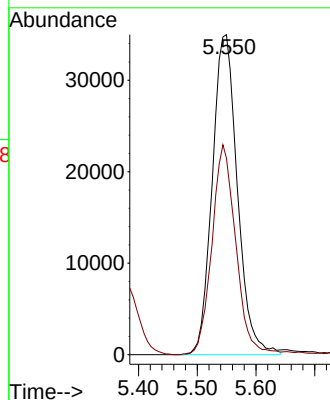
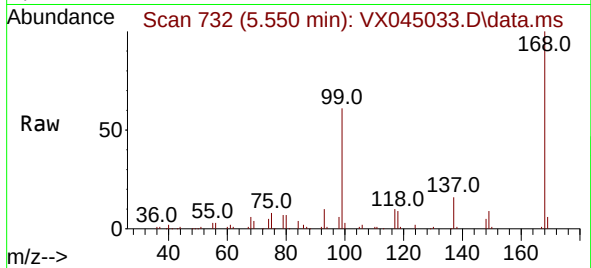




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

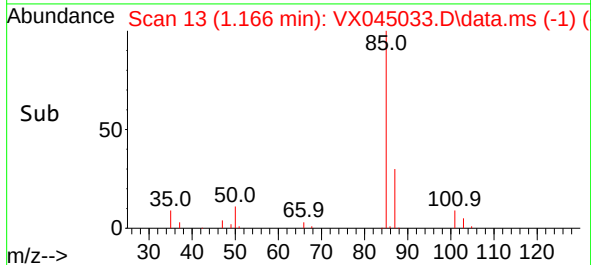
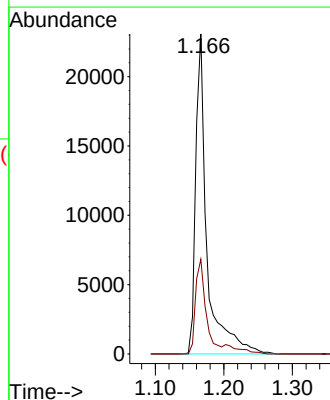
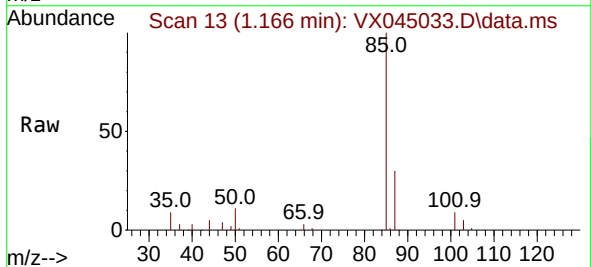
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

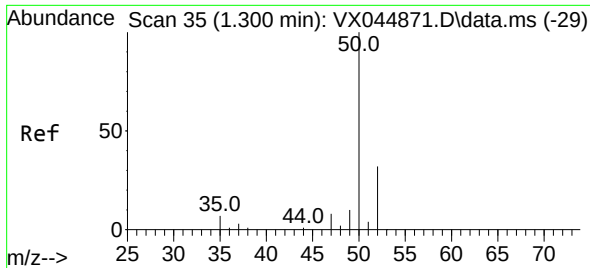
Tgt Ion:168 Resp: 104015
Ion Ratio Lower Upper
168 100
99 61.5 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 18.116 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 85 Resp: 26428
Ion Ratio Lower Upper
85 100
87 29.6 15.8 47.3

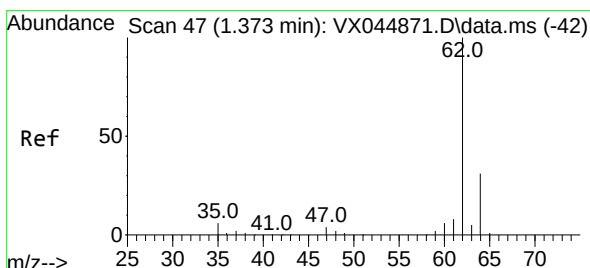
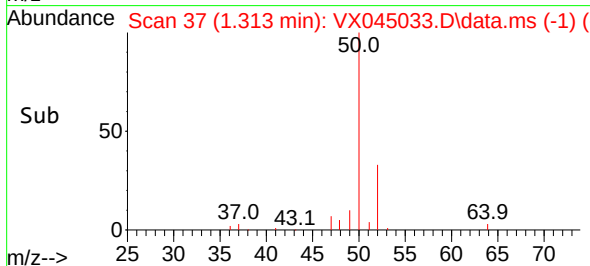
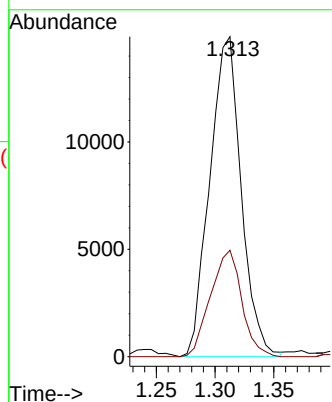
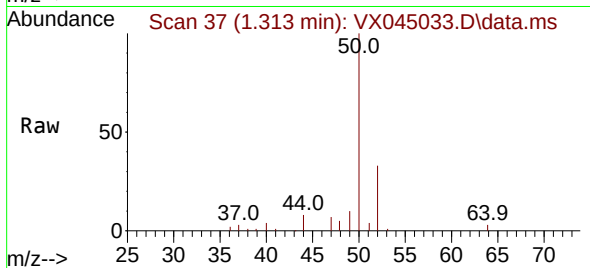




#3
Chloromethane
Concen: 15.616 ug/l
RT: 1.313 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

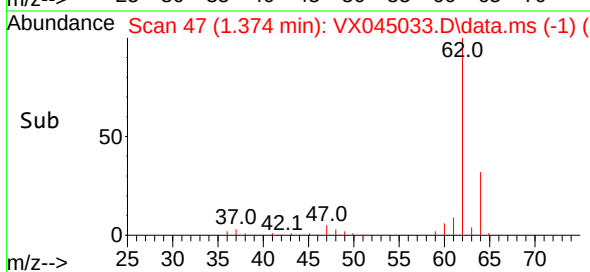
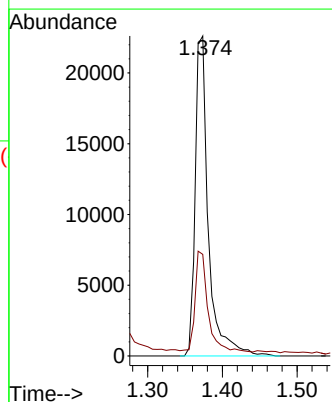
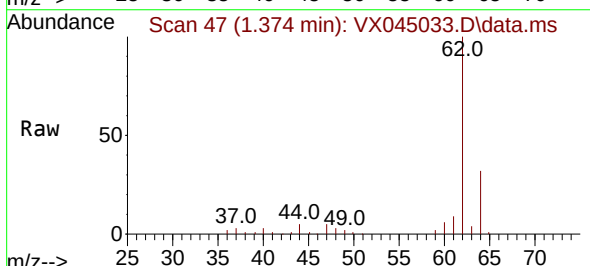
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

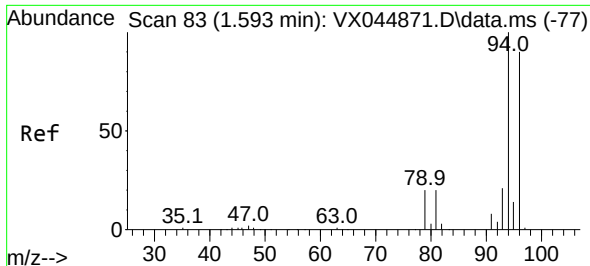
Tgt Ion: 50 Resp: 27728
Ion Ratio Lower Upper
50 100
52 33.3 25.9 38.9



#4
Vinyl Chloride
Concen: 16.057 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 62 Resp: 27620
Ion Ratio Lower Upper
62 100
64 30.8 25.4 38.0

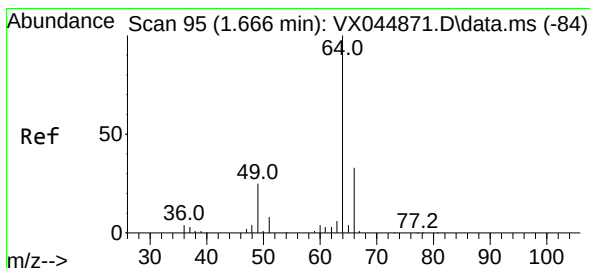
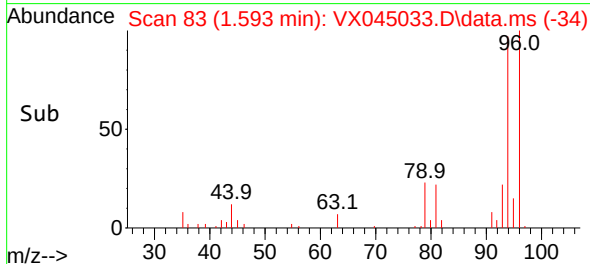
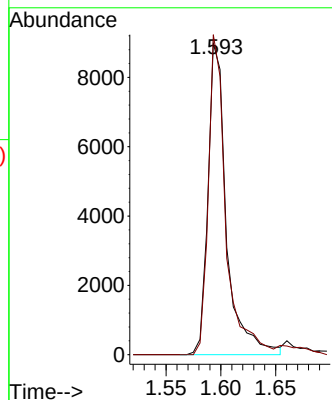
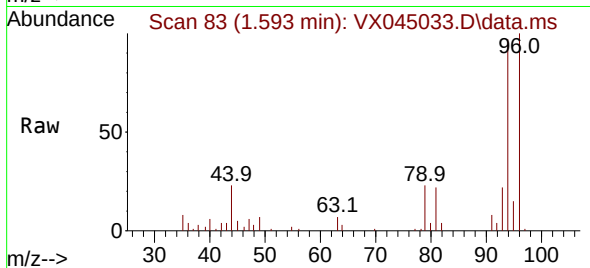




#5
Bromomethane
Concen: 20.498 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

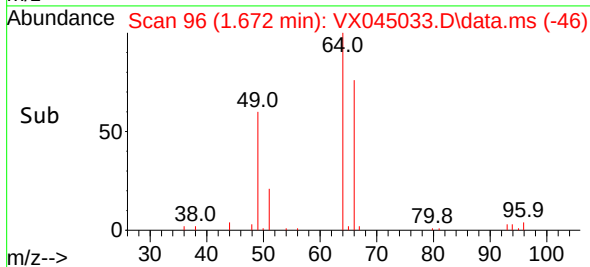
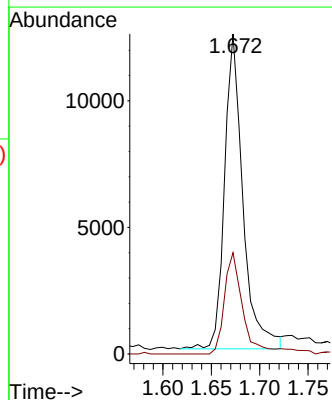
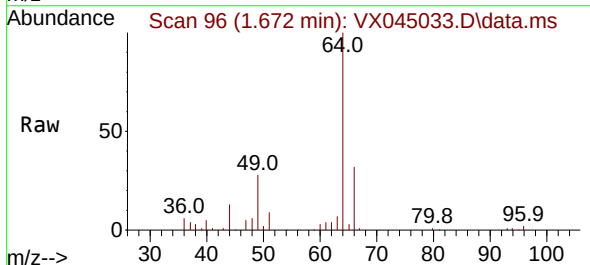
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

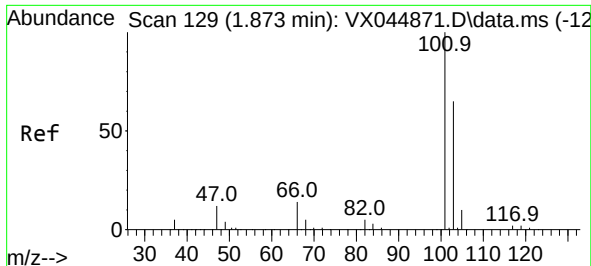
Tgt Ion: 94 Resp: 10551
Ion Ratio Lower Upper
94 100
96 102.8 71.6 107.4



#6
Chloroethane
Concen: 22.738 ug/l
RT: 1.672 min Scan# 96
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 64 Resp: 16473
Ion Ratio Lower Upper
64 100
66 32.2 25.9 38.9

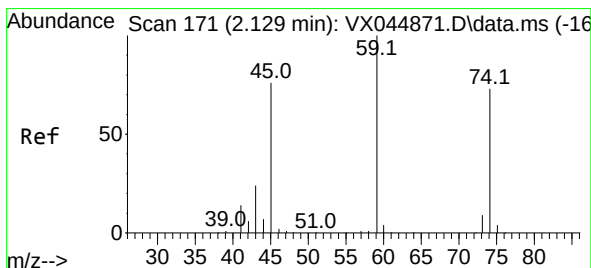
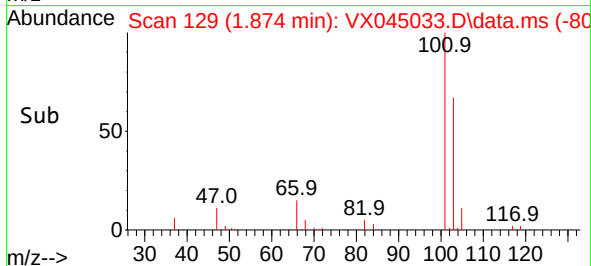
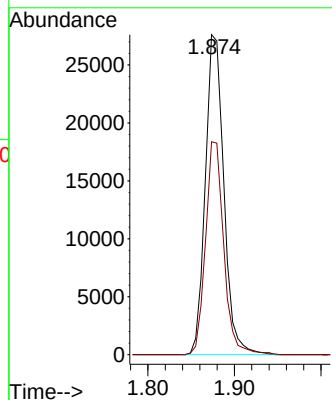
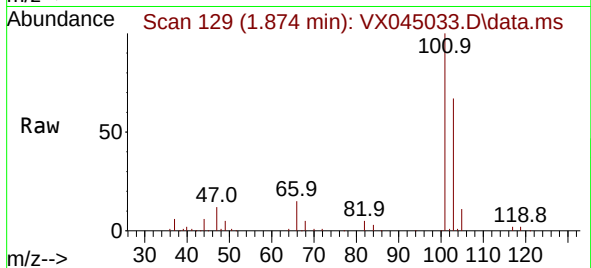




#7
Trichlorofluoromethane
Concen: 18.886 ug/l
RT: 1.874 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

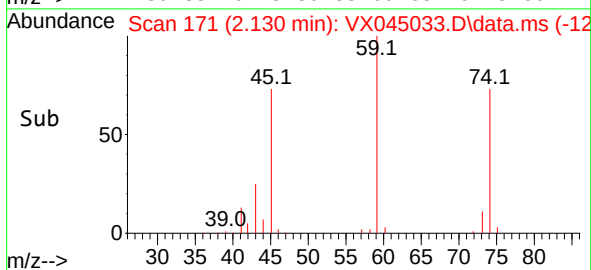
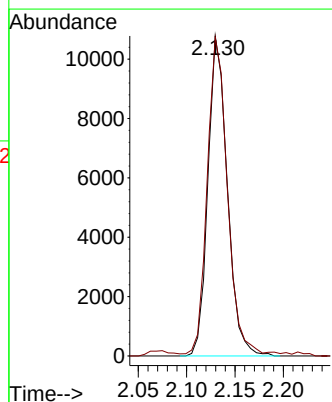
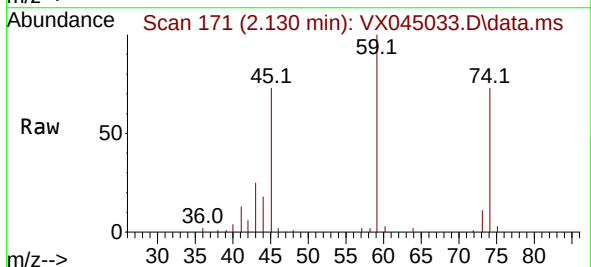
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

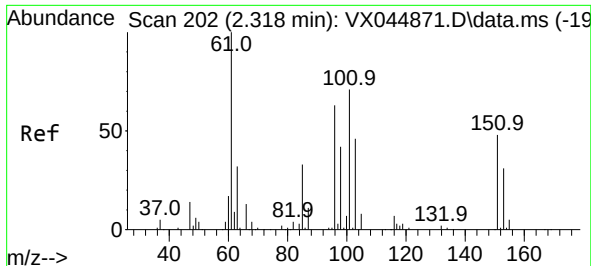
Tgt Ion:101 Resp: 41082
Ion Ratio Lower Upper
101 100
103 66.5 52.4 78.6



#8
Diethyl Ether
Concen: 19.077 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 74 Resp: 15050
Ion Ratio Lower Upper
74 100
45 102.3 51.1 153.4

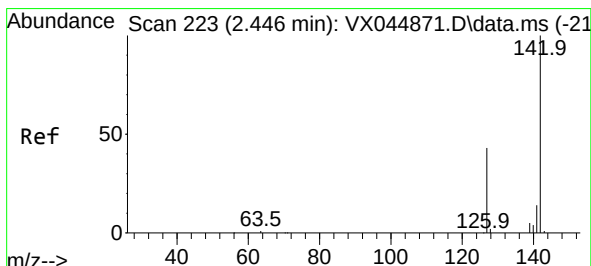
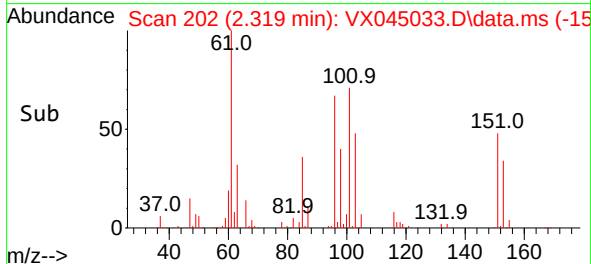
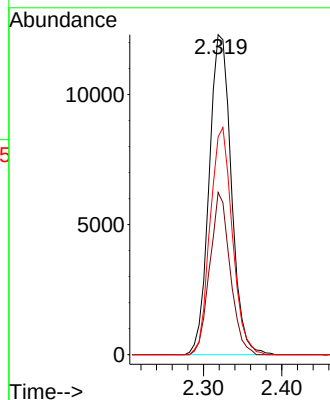
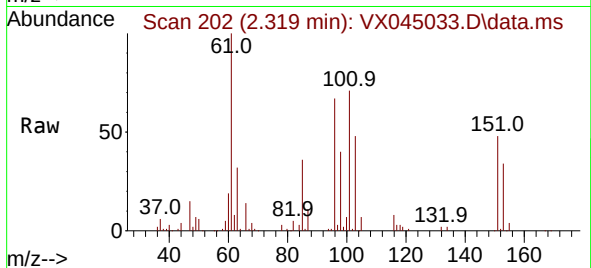




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.431 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

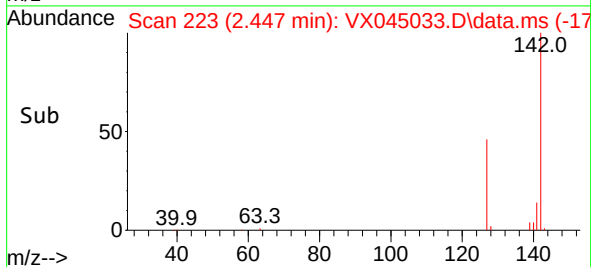
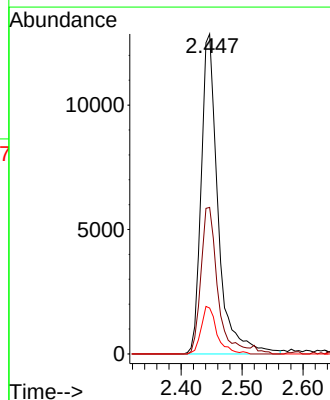
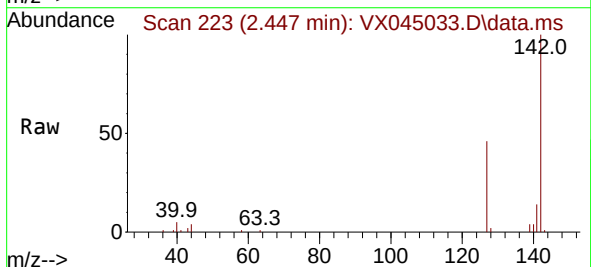
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

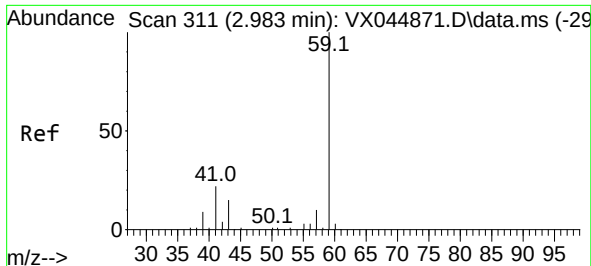
Tgt Ion:101 Resp: 24224
Ion Ratio Lower Upper
101 100
85 46.4 35.7 53.5
151 71.0 56.0 84.0



#10
Methyl Iodide
Concen: 14.530 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:142 Resp: 24750
Ion Ratio Lower Upper
142 100
127 46.5 34.3 51.5
141 14.0 11.4 17.2

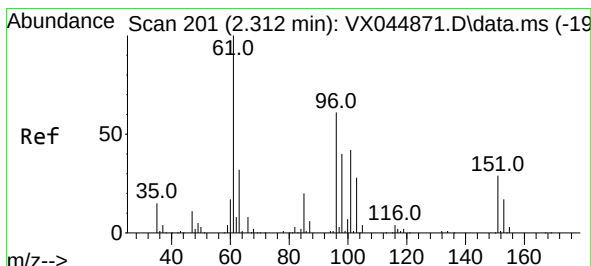
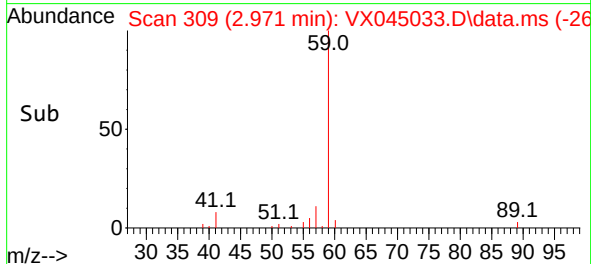
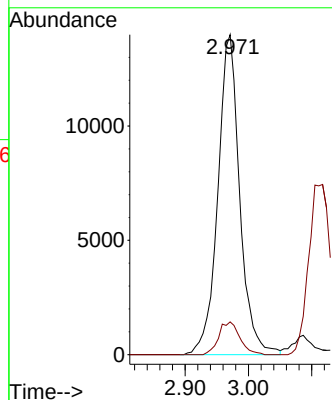
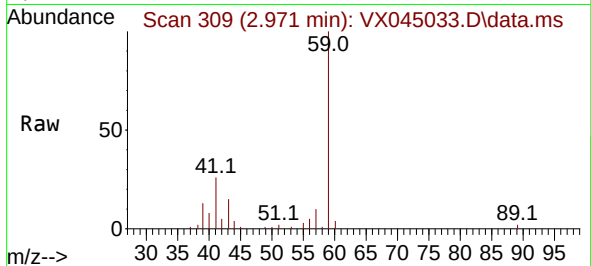




#11
Tert butyl alcohol
Concen: 118.846 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

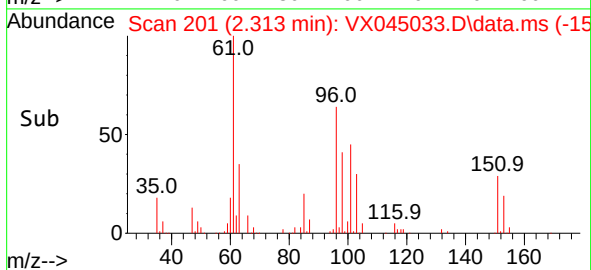
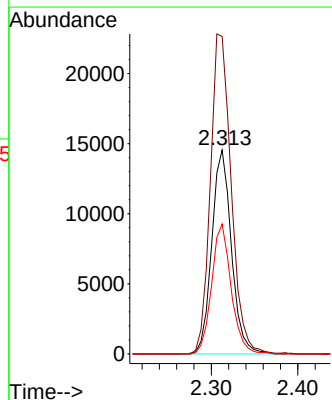
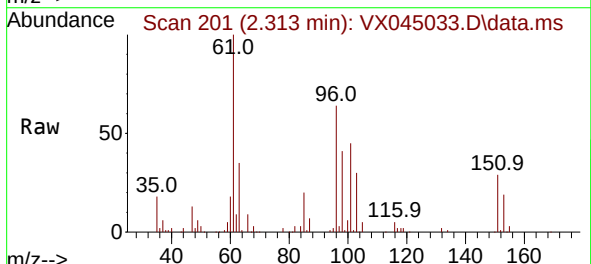
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

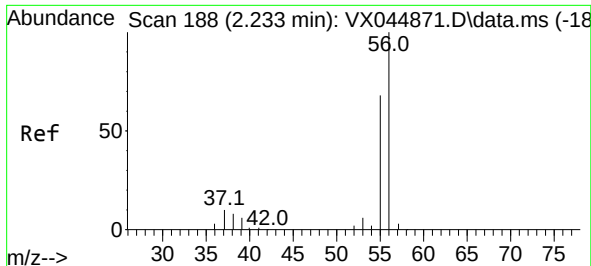
Tgt Ion: 59 Resp: 33570
Ion Ratio Lower Upper
59 100
57 9.9 8.1 12.1



#12
1,1-Dichloroethene
Concen: 17.106 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 96 Resp: 22933
Ion Ratio Lower Upper
96 100
61 155.7 130.2 195.4
98 63.7 52.2 78.4





#13

Acrolein

Concen: 83.978 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

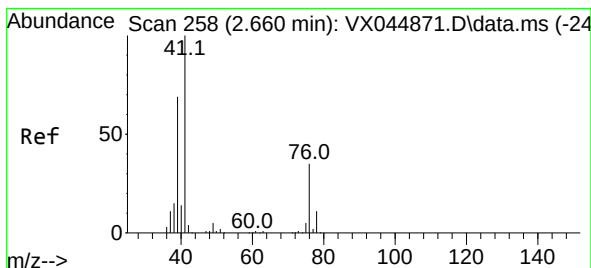
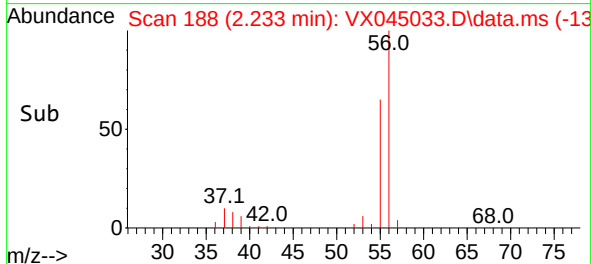
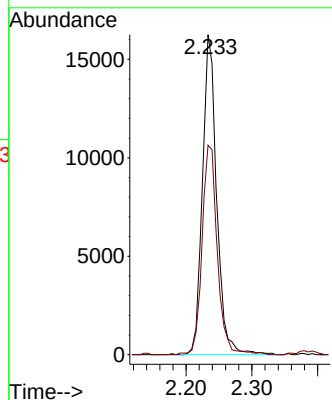
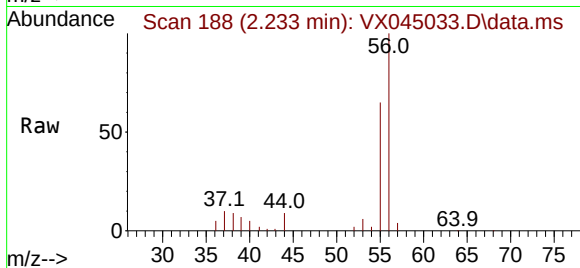
VX0225WBSD01

Tgt Ion: 56 Resp: 24474

Ion Ratio Lower Upper

56 100

55 70.3 55.7 83.5



#14

Allyl chloride

Concen: 18.853 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

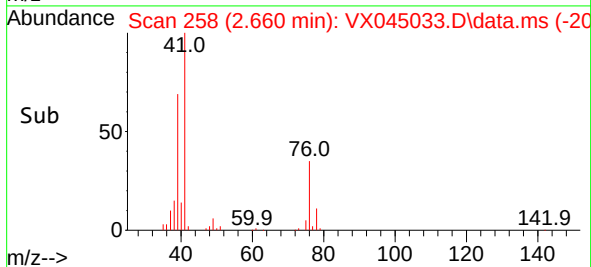
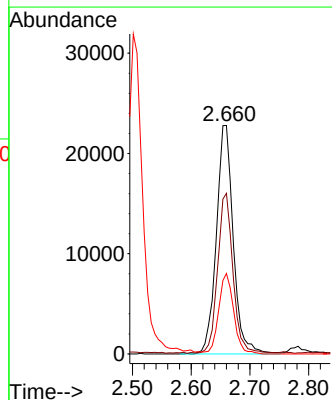
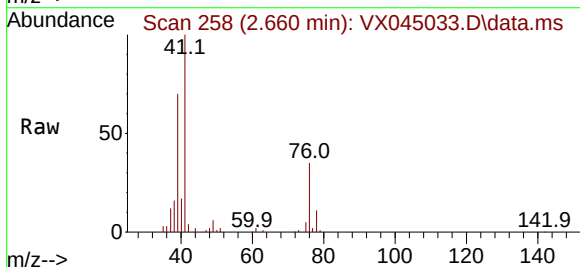
Tgt Ion: 41 Resp: 45680

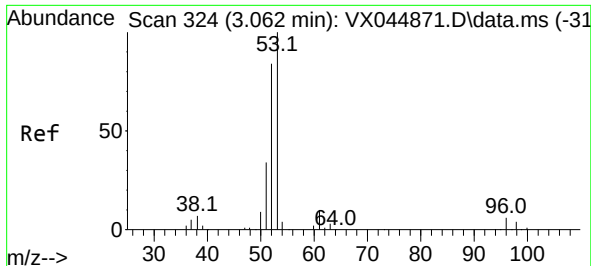
Ion Ratio Lower Upper

41 100

39 63.5 51.4 77.2

76 31.1 27.0 40.4

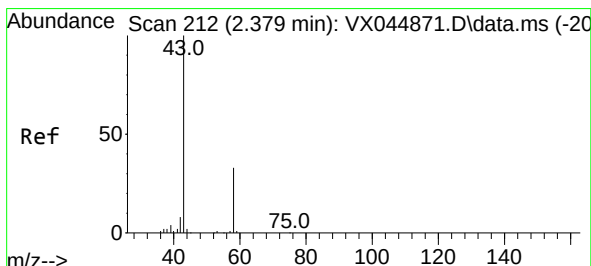
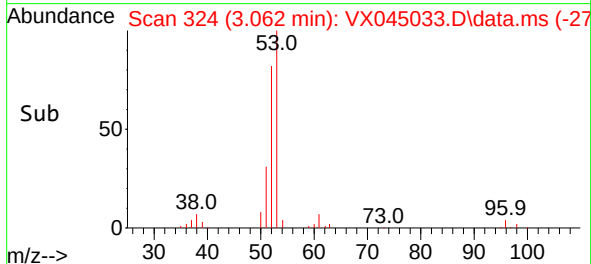
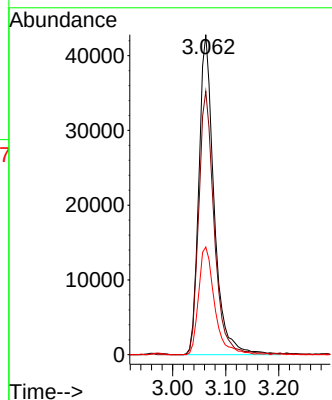
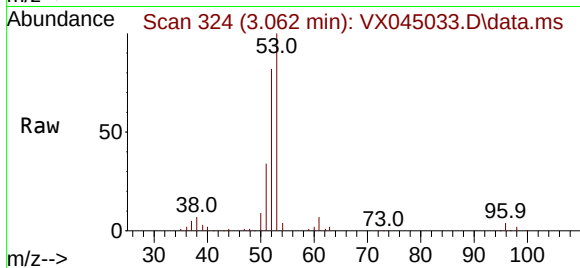




#15
Acrylonitrile
Concen: 113.101 ug/l
RT: 3.062 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

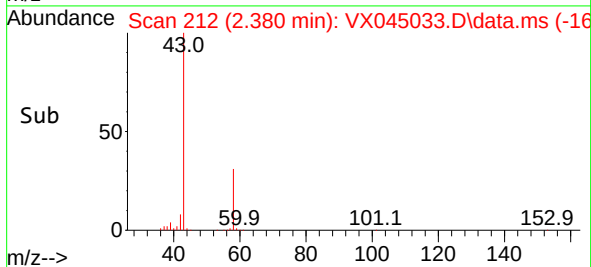
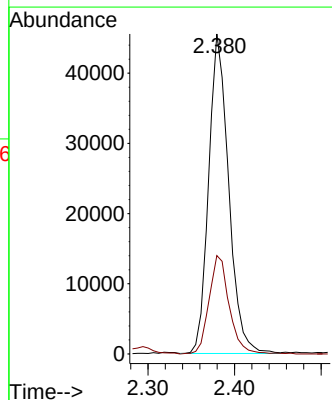
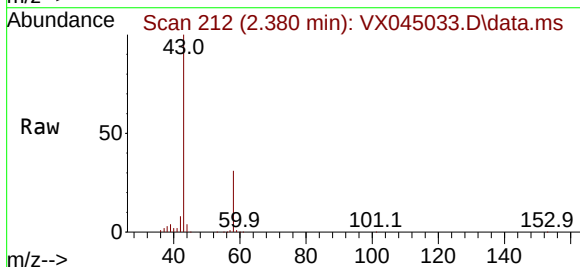
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

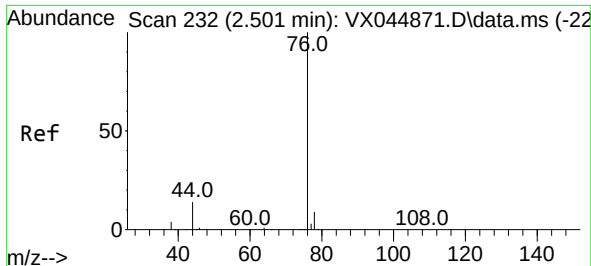
Tgt Ion:	53	Resp:	85298
Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.0	97.6
51	35.6	28.0	42.0



#16
Acetone
Concen: 119.468 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:	43	Resp:	73126
Ion	Ratio	Lower	Upper
43	100		
58	30.8	26.5	39.7

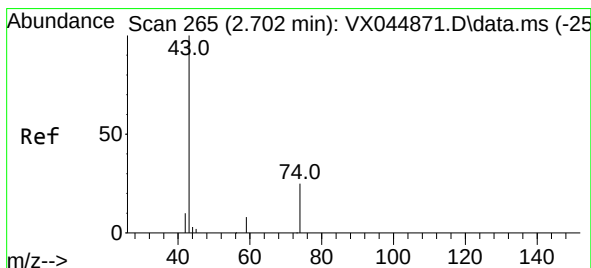
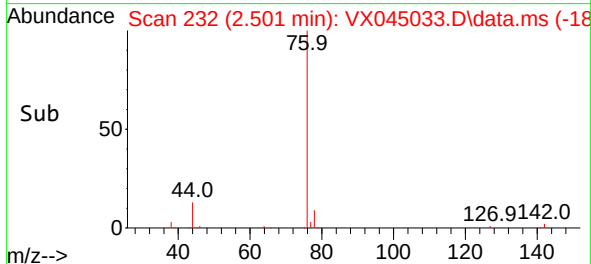
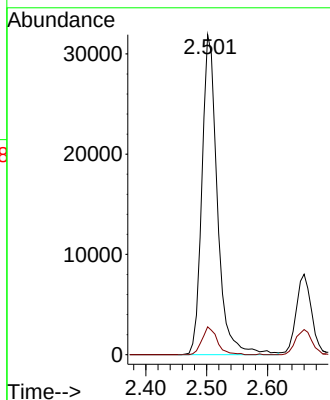
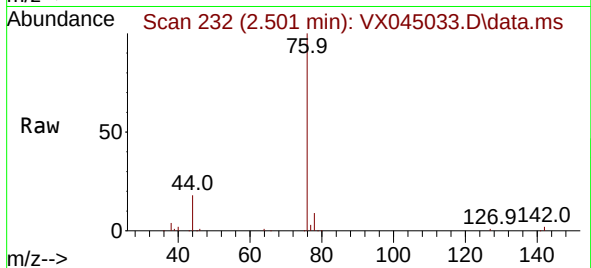




#17
Carbon Disulfide
Concen: 15.331 ug/l
RT: 2.501 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

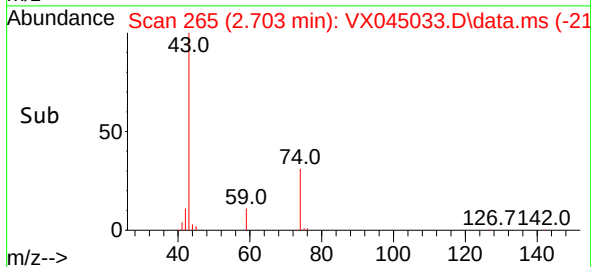
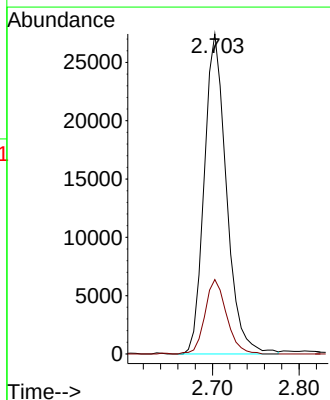
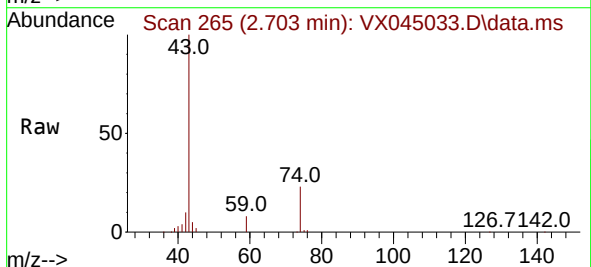
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

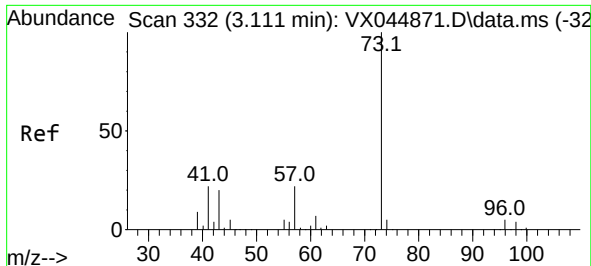
Tgt Ion: 76 Resp: 56362
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4



#18
Methyl Acetate
Concen: 25.325 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 43 Resp: 48917
Ion Ratio Lower Upper
43 100
74 22.6 18.9 28.3

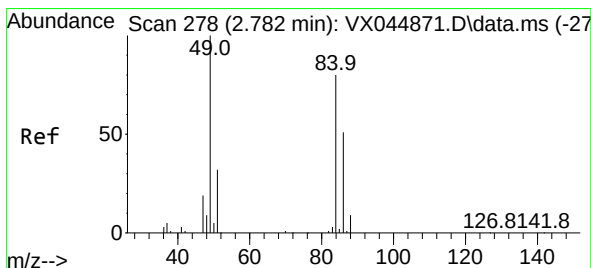
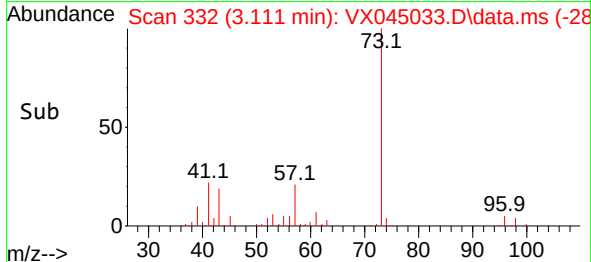
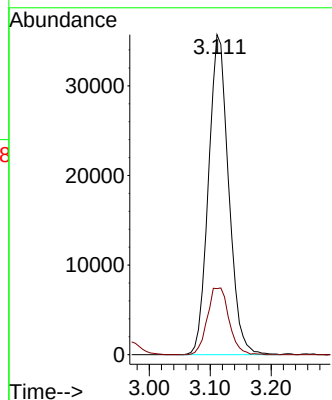
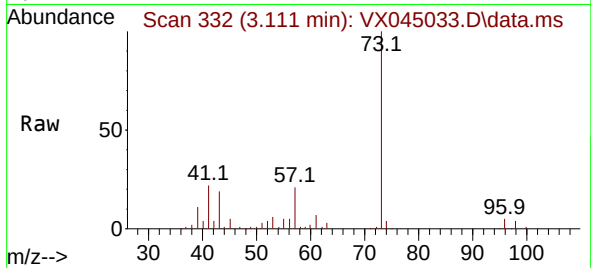




#19
Methyl tert-butyl Ether
Concen: 19.230 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

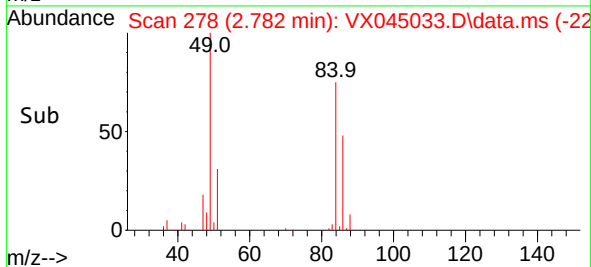
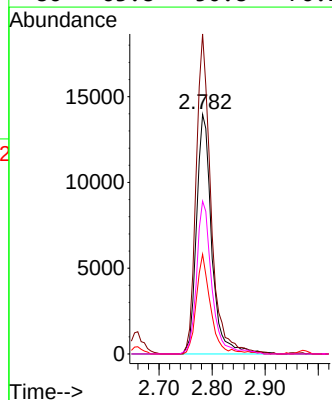
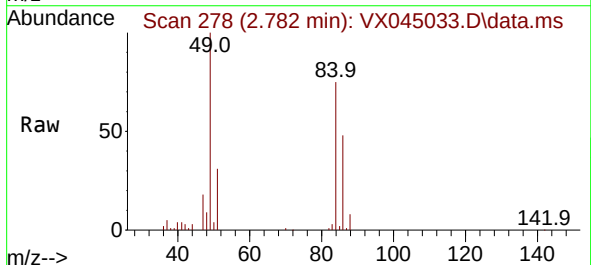
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

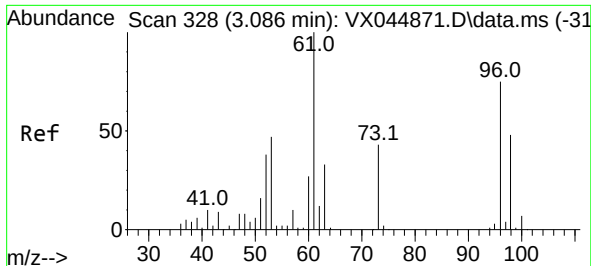
Tgt Ion: 73 Resp: 82029
Ion Ratio Lower Upper
73 100
57 20.7 17.9 26.9



#20
Methylene Chloride
Concen: 18.510 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 84 Resp: 27752
Ion Ratio Lower Upper
84 100
49 133.6 100.1 150.1
51 41.6 31.7 47.5
86 63.8 50.8 76.2

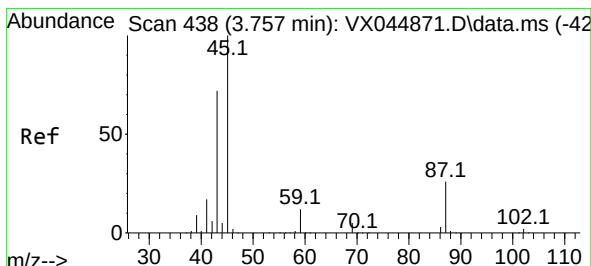
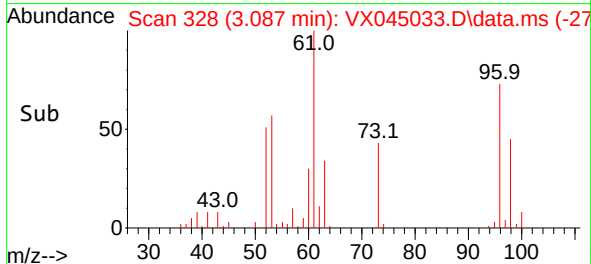
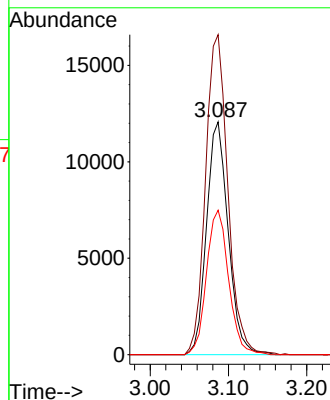
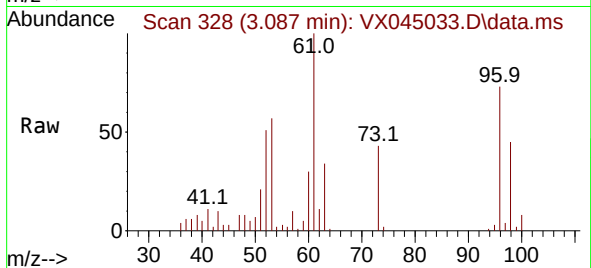




#21
trans-1,2-Dichloroethene
Concen: 17.552 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

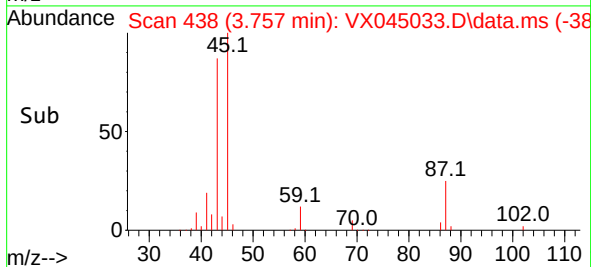
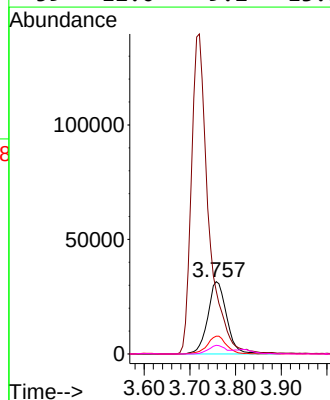
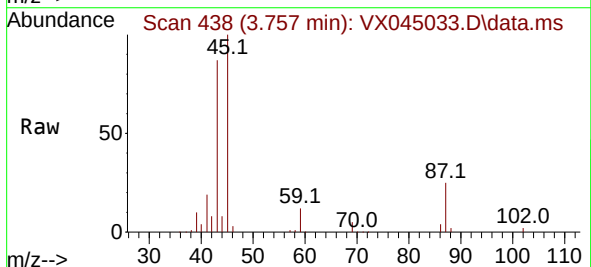
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

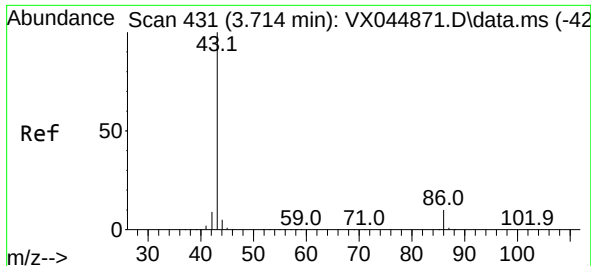
Tgt Ion: 96 Resp: 23160
Ion Ratio Lower Upper
96 100
61 137.5 106.0 159.0
98 62.1 50.6 76.0



#22
Diisopropyl ether
Concen: 19.790 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 45 Resp: 90716
Ion Ratio Lower Upper
45 100
43 86.1 58.0 87.0
87 24.5 20.7 31.1
59 12.0 9.2 13.8

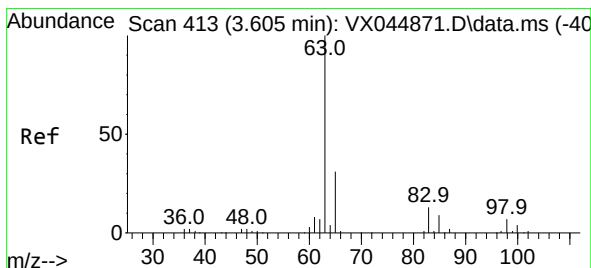
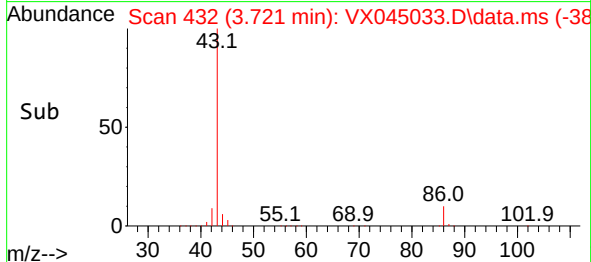
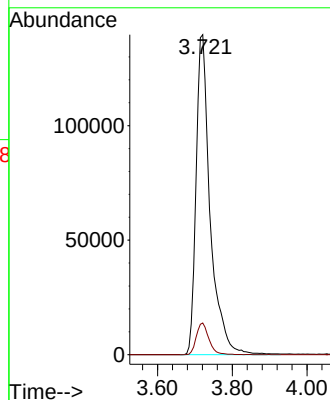
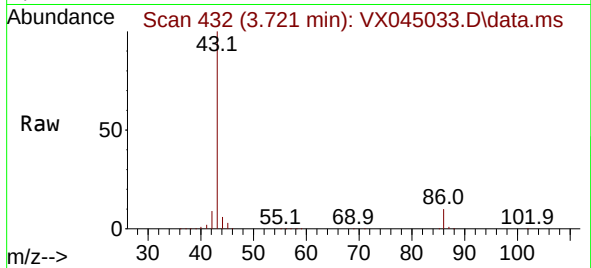




#23
 Vinyl Acetate
 Concen: 97.941 ug/l
 RT: 3.721 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX045033.D
 Acq: 25 Feb 2025 12:57

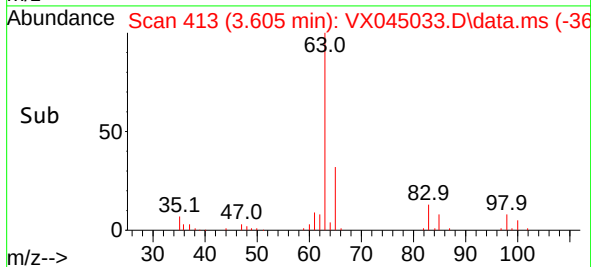
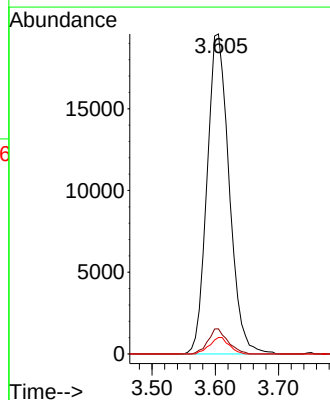
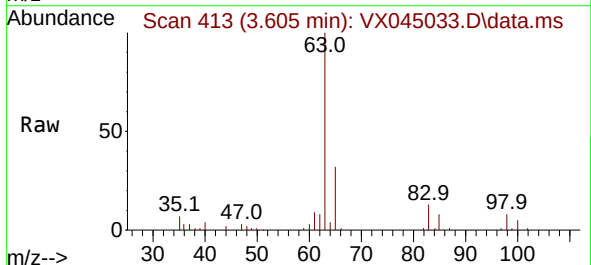
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0225WBSD01

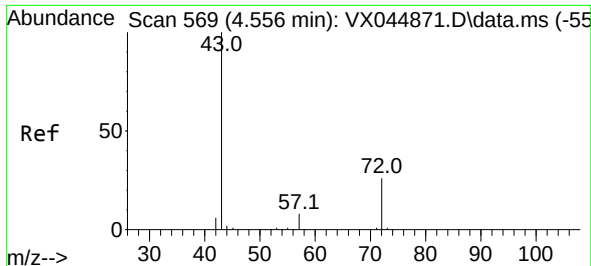
Tgt Ion: 43 Resp: 366009
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 18.550 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX045033.D
 Acq: 25 Feb 2025 12:57

Tgt Ion: 63 Resp: 47577
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.3 9.9
 100 5.2 2.1 6.5

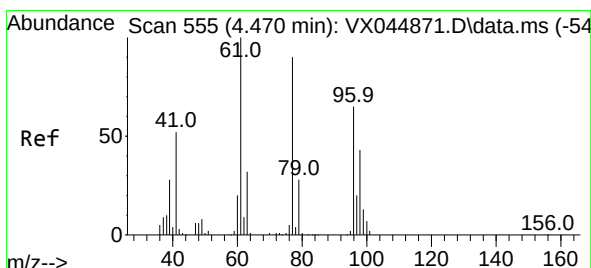
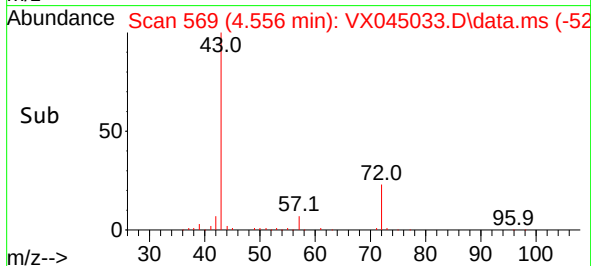
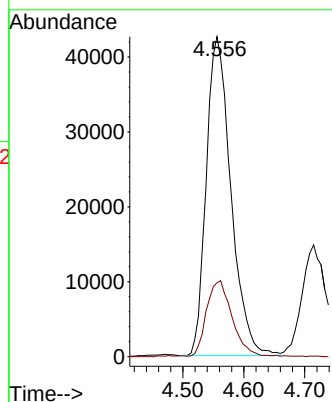
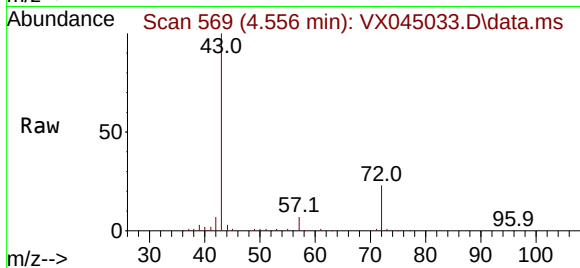




#25
2-Butanone
Concen: 120.352 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

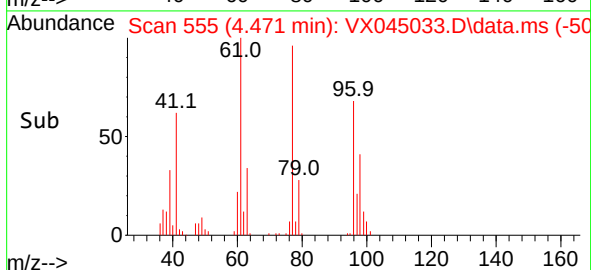
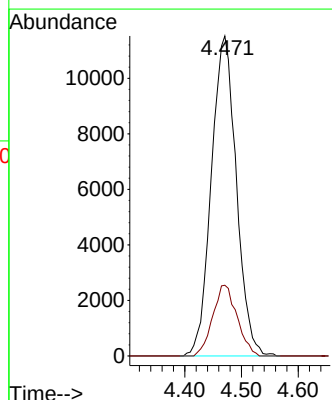
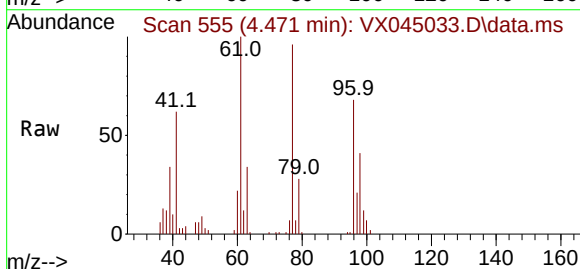
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

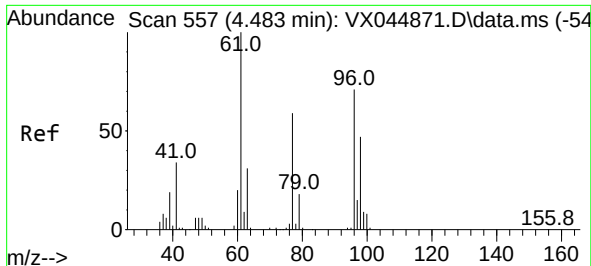
Tgt Ion: 43 Resp: 119622
Ion Ratio Lower Upper
43 100
72 23.0 21.2 31.8



#26
2,2-Dichloropropane
Concen: 17.358 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 77 Resp: 35307
Ion Ratio Lower Upper
77 100
97 21.5 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 18.628 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

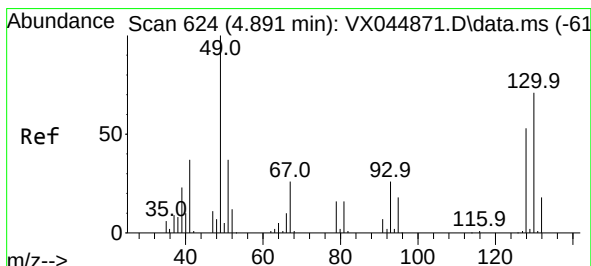
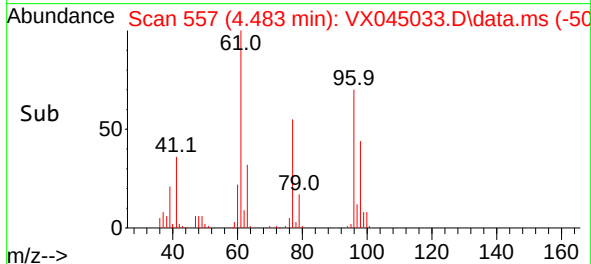
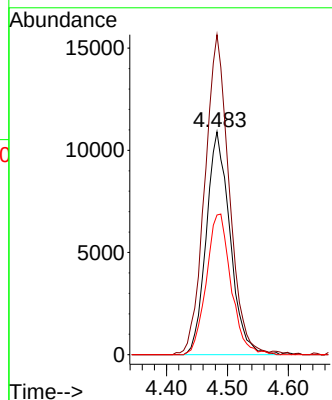
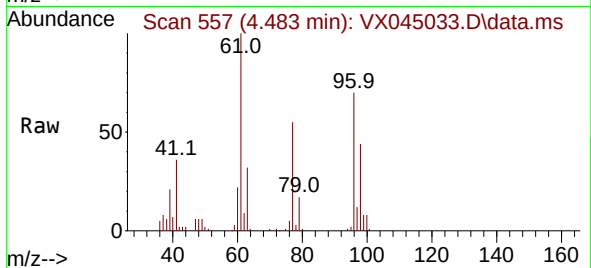
Tgt Ion: 96 Resp: 29525

Ion Ratio Lower Upper

96 100

61 147.2 0.0 294.0

98 65.6 0.0 131.2



#28

Bromochloromethane

Concen: 21.051 ug/l

RT: 4.897 min Scan# 625

Delta R.T. 0.006 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

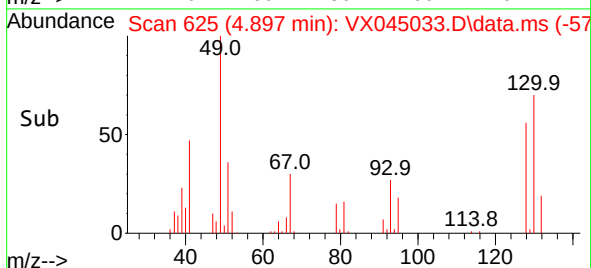
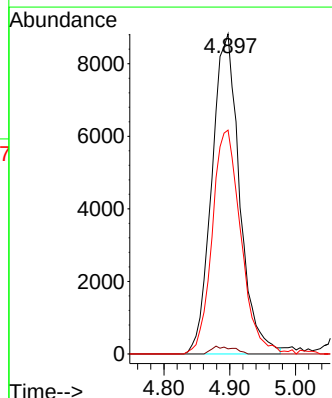
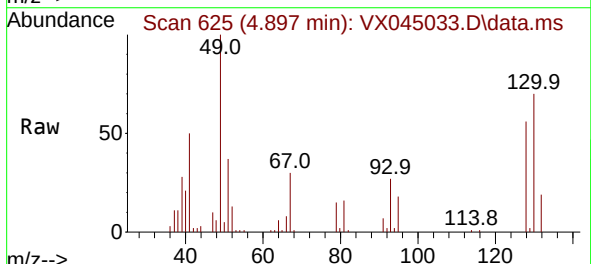
Tgt Ion: 49 Resp: 25948

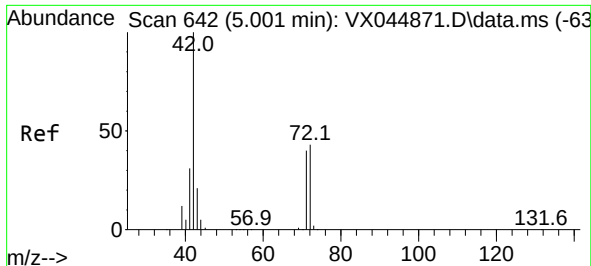
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.6

130 72.4 56.7 85.1





#29

Tetrahydrofuran

Concen: 119.207 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

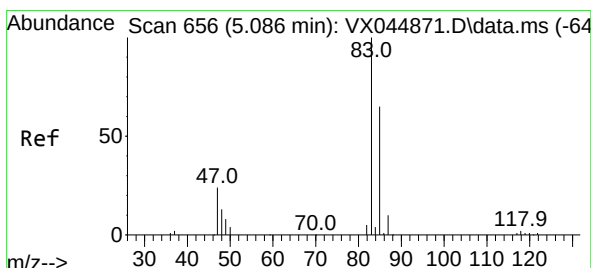
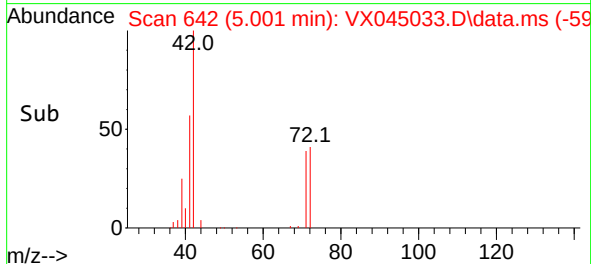
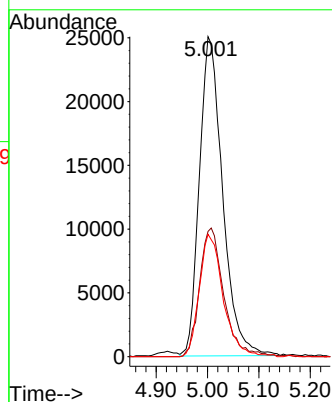
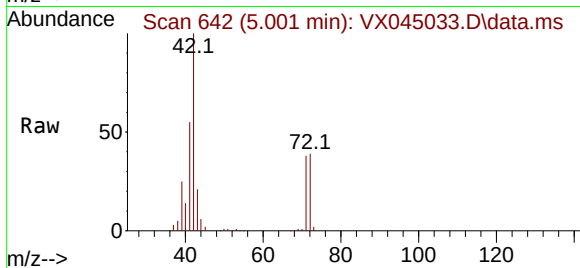
Tgt Ion: 42 Resp: 78676

Ion Ratio Lower Upper

42 100

72 42.1 35.0 52.4

71 39.3 32.6 48.8



#30

Chloroform

Concen: 19.701 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX045033.D

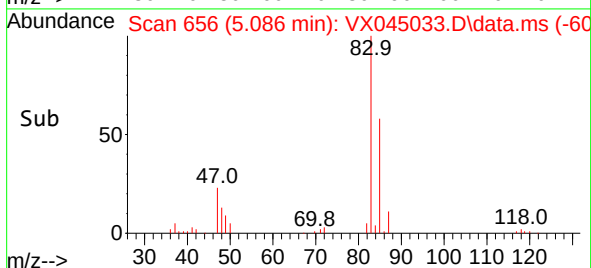
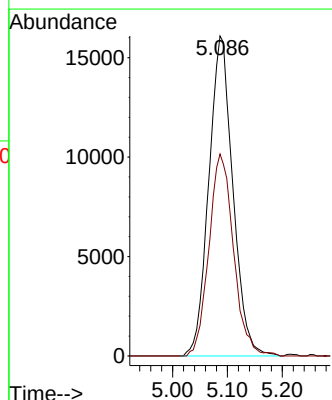
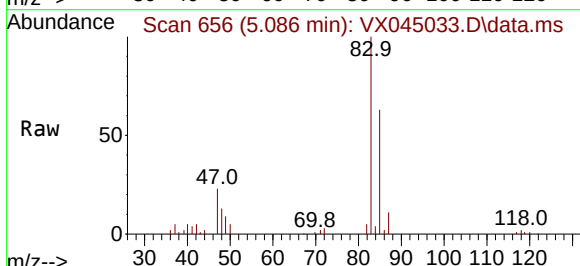
Acq: 25 Feb 2025 12:57

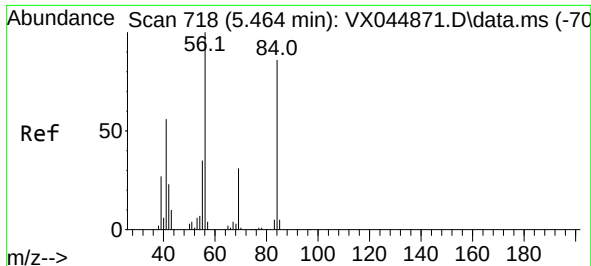
Tgt Ion: 83 Resp: 49005

Ion Ratio Lower Upper

83 100

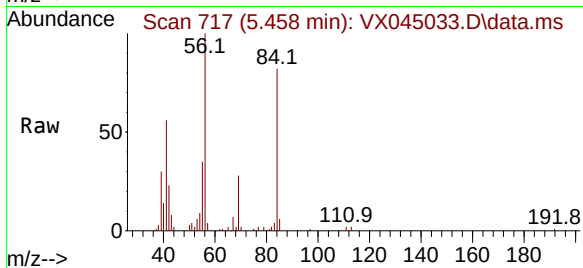
85 63.1 52.1 78.1



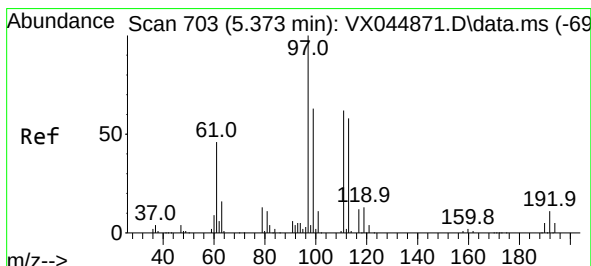
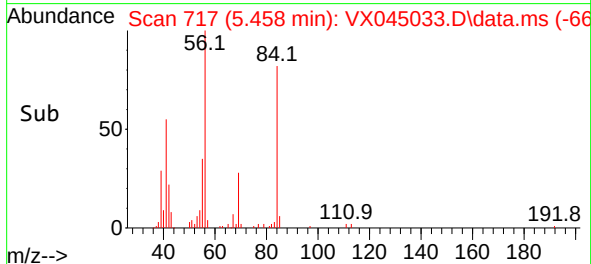
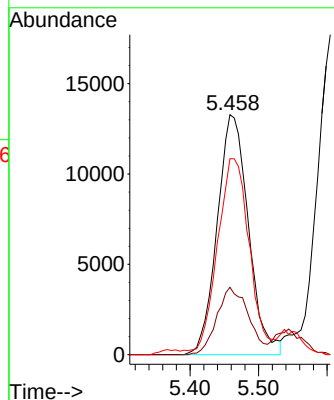


#31
Cyclohexane
Concen: 17.756 ug/l
RT: 5.458 min Scan# 718
Delta R.T. -0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

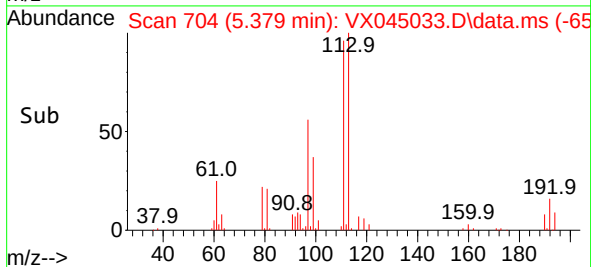
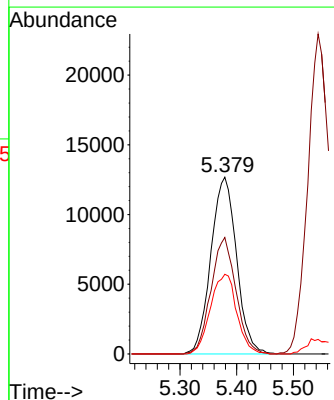
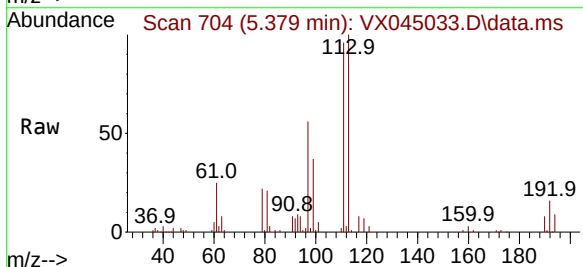


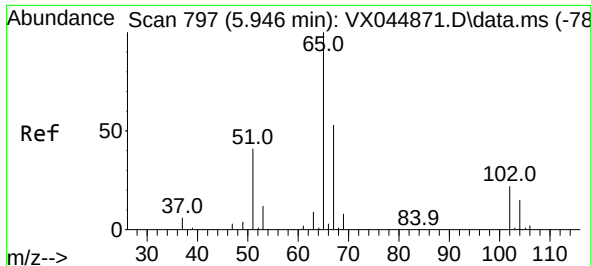
Tgt Ion:	56	Resp:	41985
Ion Ratio	Lower	Upper	
56	100		
69	28.1	24.4	36.6
84	80.2	69.0	103.6



#32
1,1,1-Trichloroethane
Concen: 18.921 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:	97	Resp:	39919
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.0	76.6
61	46.2	36.6	55.0

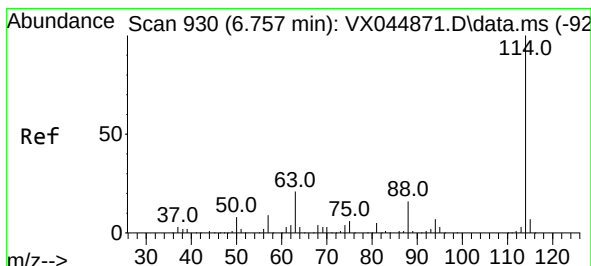
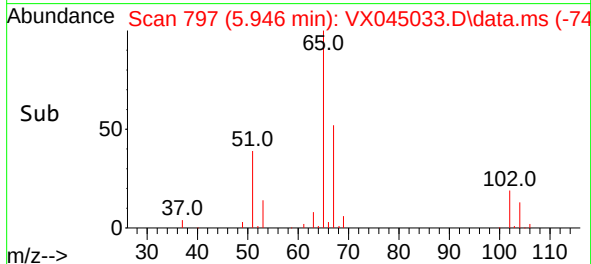
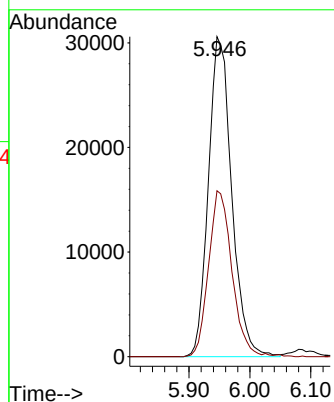
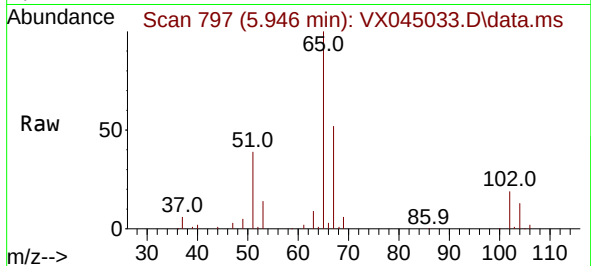




#33
1,2-Dichloroethane-d4
Concen: 53.383 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

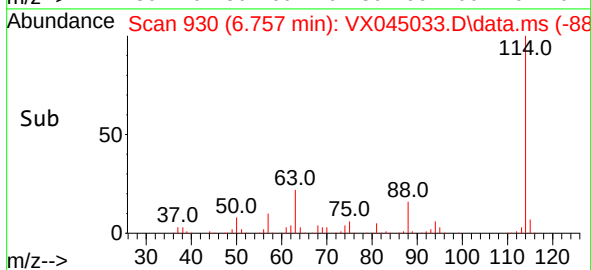
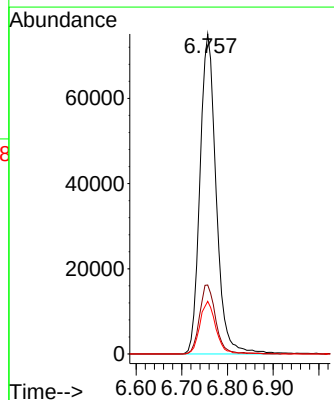
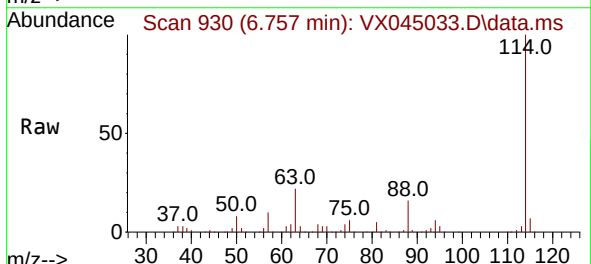
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

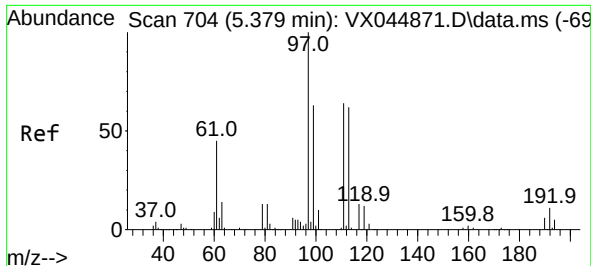
Tgt Ion: 65 Resp: 81281
Ion Ratio Lower Upper
65 100
67 51.9 0.0 108.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 114 Resp: 184616
Ion Ratio Lower Upper
114 100
63 21.5 0.0 42.4
88 16.4 0.0 31.4

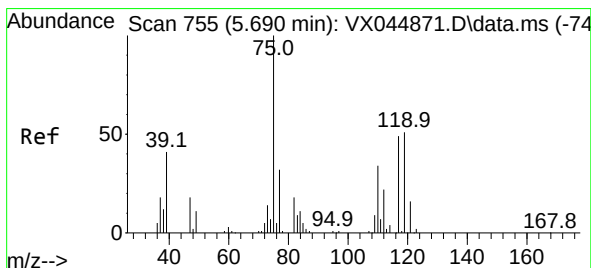
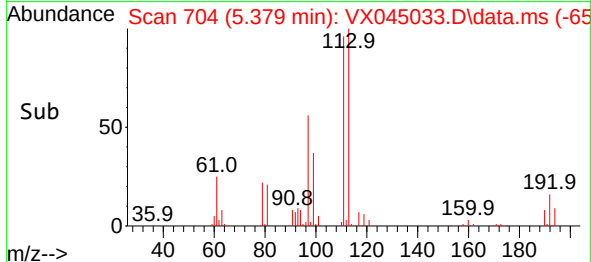
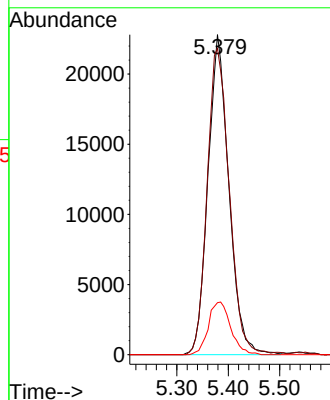
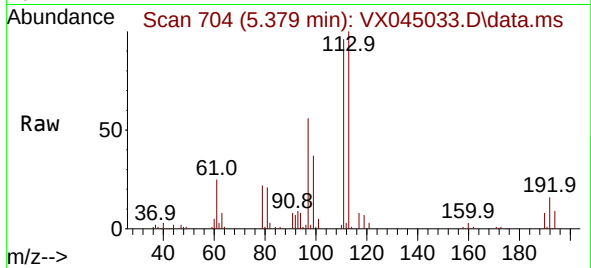




#35
Dibromofluoromethane
Concen: 53.701 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

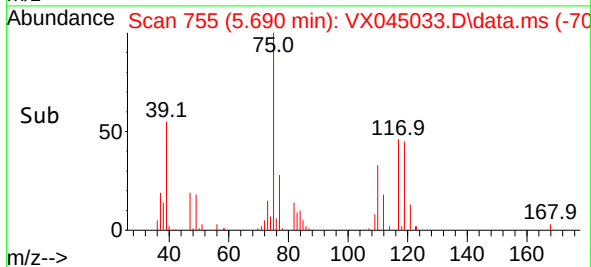
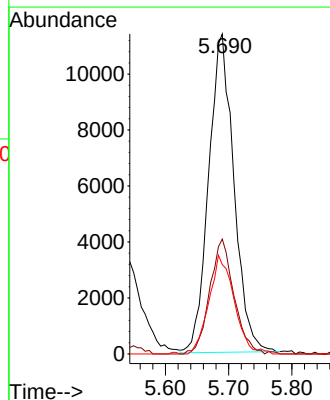
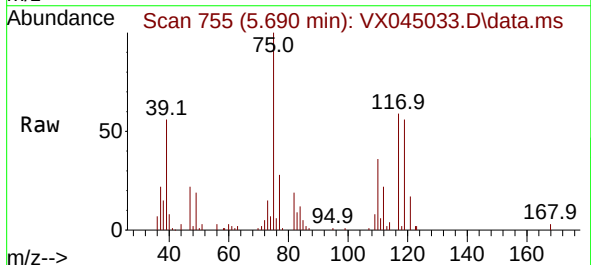
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

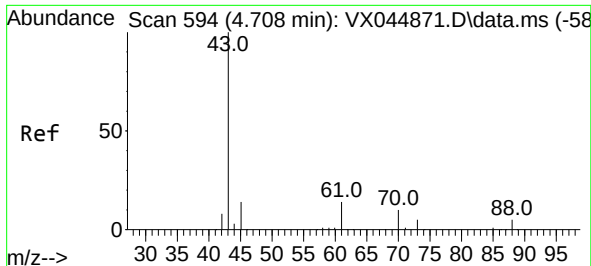
Tgt Ion:113 Resp: 64458
Ion Ratio Lower Upper
113 100
111 100.9 83.5 125.3
192 17.6 14.4 21.6



#36
1,1-Dichloropropene
Concen: 18.184 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 75 Resp: 31489
Ion Ratio Lower Upper
75 100
110 34.6 17.2 51.6
77 31.0 24.6 37.0





#37

Ethyl Acetate

Concen: 22.562 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

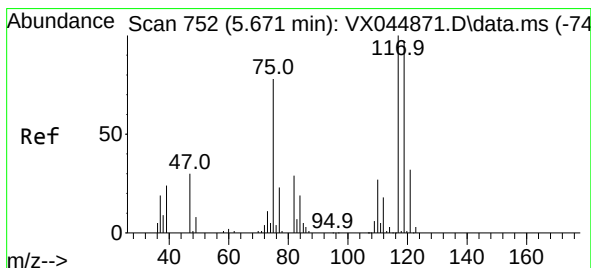
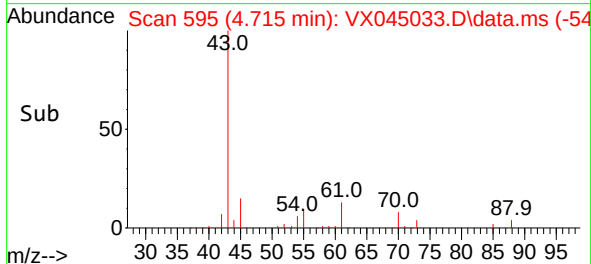
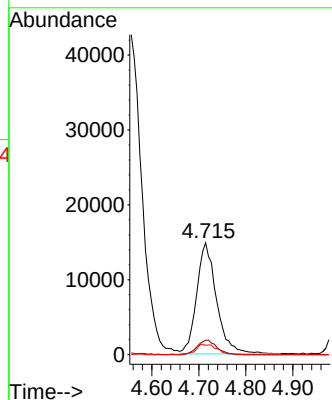
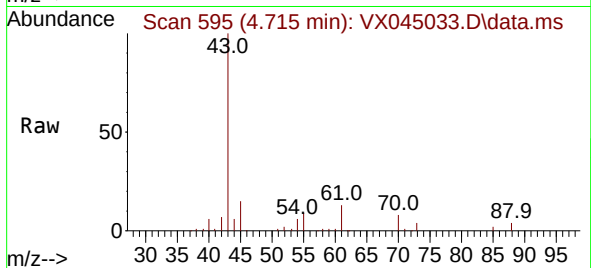
Tgt Ion: 43 Resp: 43459

Ion Ratio Lower Upper

43 100

61 13.1 11.0 16.4

70 9.7 8.2 12.2



#38

Carbon Tetrachloride

Concen: 19.625 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

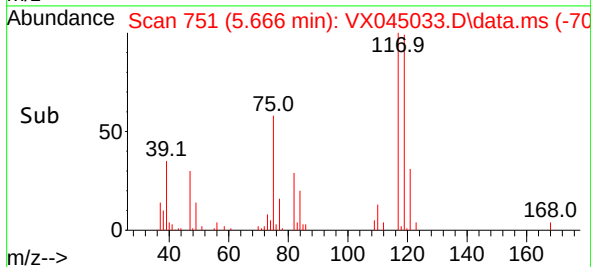
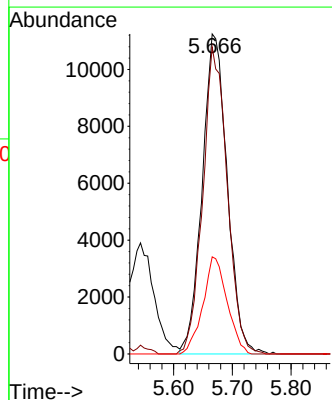
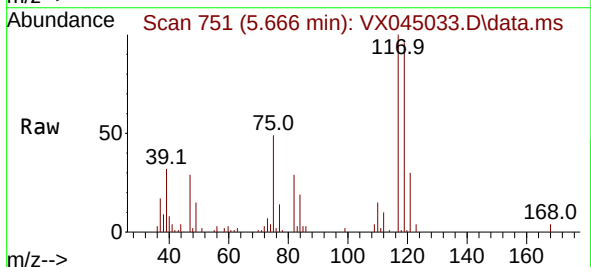
Tgt Ion: 117 Resp: 33303

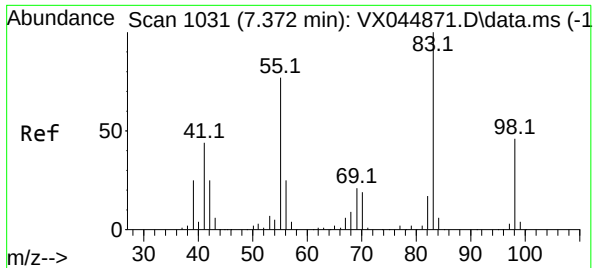
Ion Ratio Lower Upper

117 100

119 95.9 77.5 116.3

121 30.3 25.6 38.4





#39

Methylcyclohexane

Concen: 18.750 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

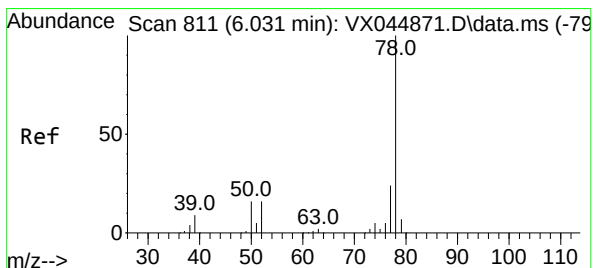
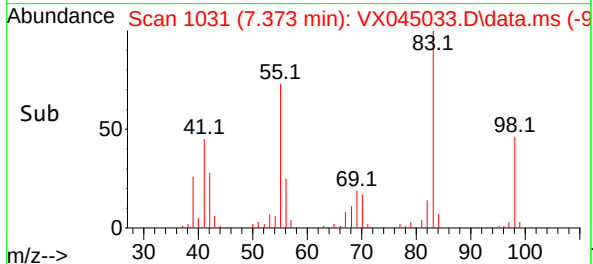
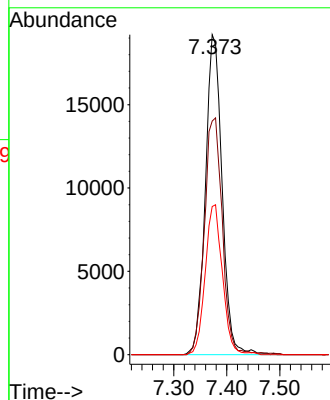
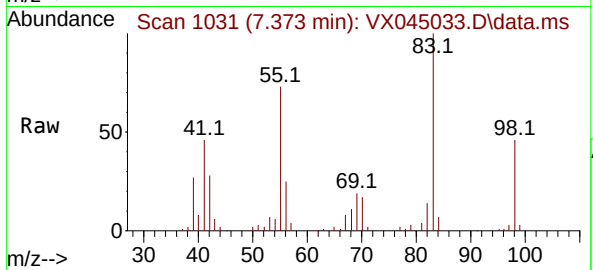
Tgt Ion: 83 Resp: 41979

Ion Ratio Lower Upper

83 100

55 73.0 61.3 91.9

98 46.3 37.0 55.6



#40

Benzene

Concen: 18.805 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX045033.D

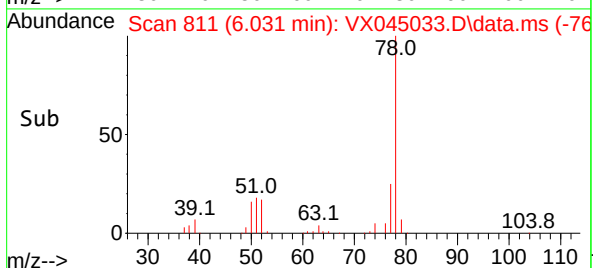
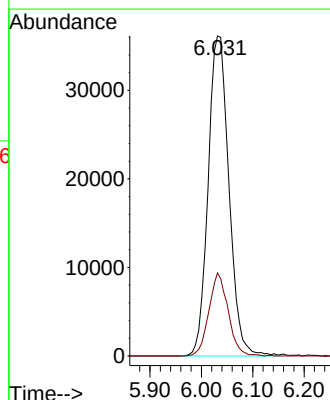
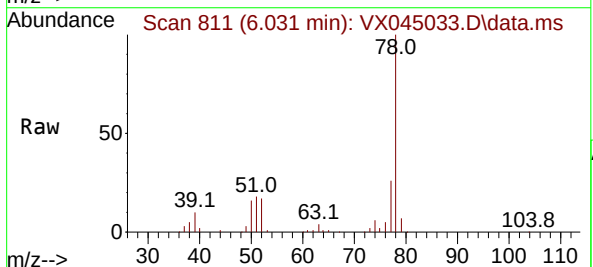
Acq: 25 Feb 2025 12:57

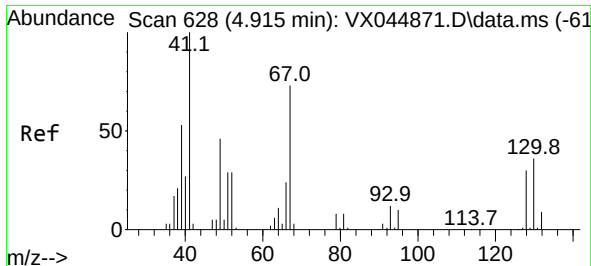
Tgt Ion: 78 Resp: 101685

Ion Ratio Lower Upper

78 100

77 25.9 19.0 28.6

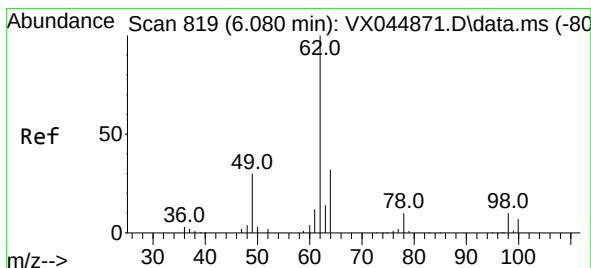
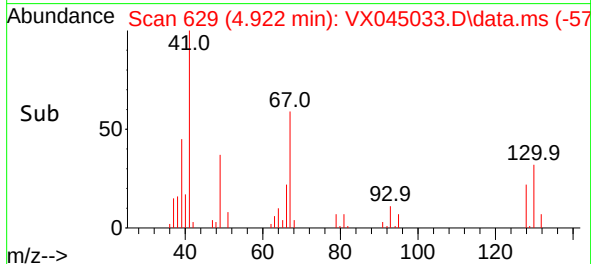
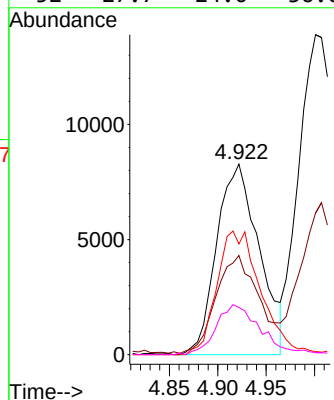
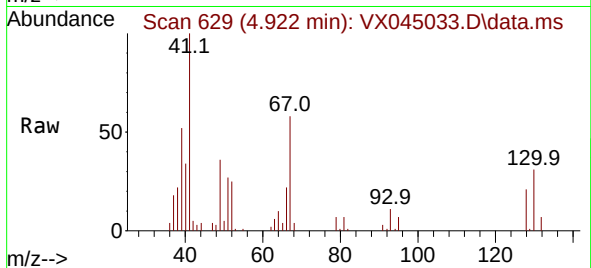




#41
Methacrylonitrile
Concen: 24.513 ug/l
RT: 4.922 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

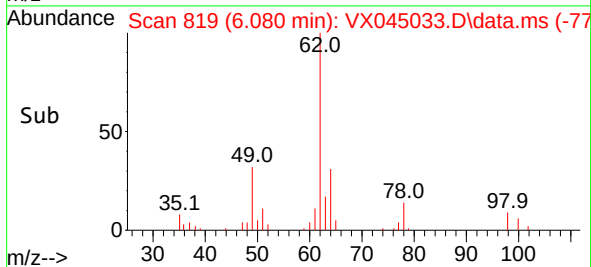
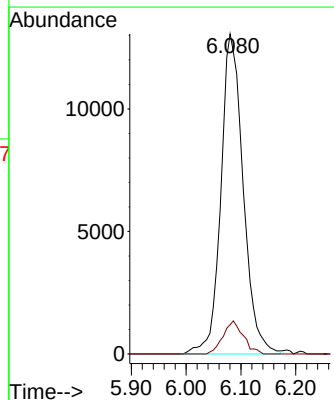
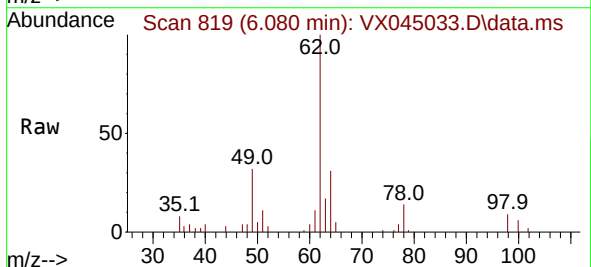
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

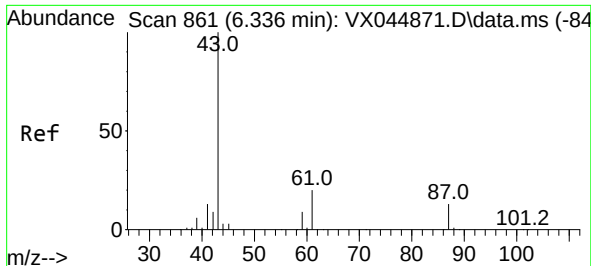
Tgt Ion:	41	Resp:	25273
Ion	Ratio	Lower	Upper
41	100		
39	52.5	43.1	64.7
67	67.6	57.0	85.6
52	27.7	24.0	36.0



#42
1,2-Dichloroethane
Concen: 21.453 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:	62	Resp:	36973
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.4

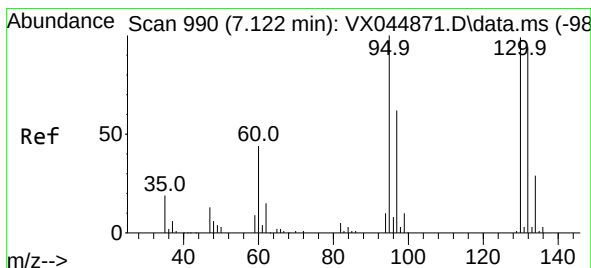
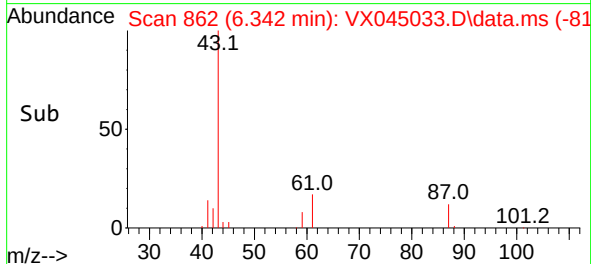
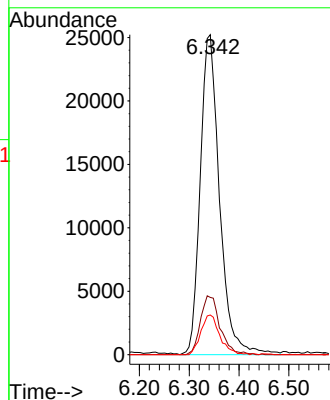
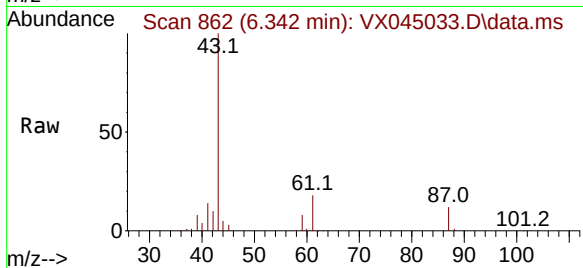




#43
Isopropyl Acetate
Concen: 21.820 ug/l
RT: 6.342 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

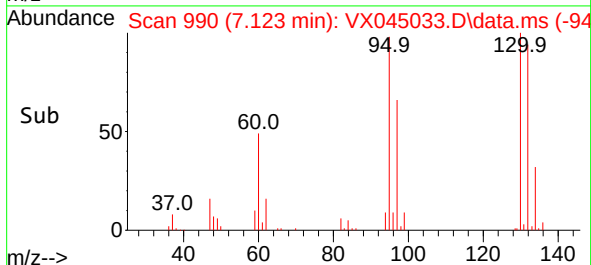
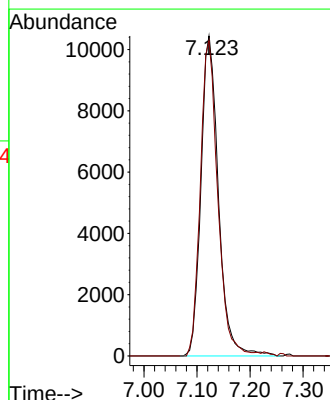
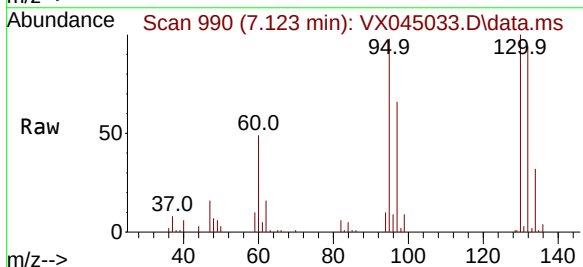
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

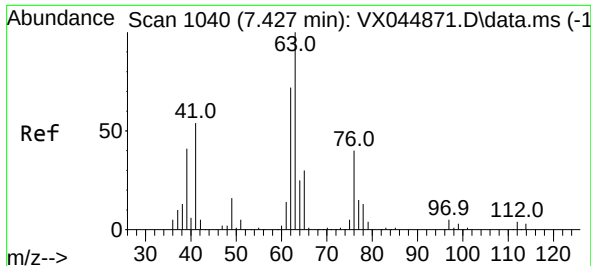
Tgt Ion: 43 Resp: 67869
Ion Ratio Lower Upper
43 100
61 18.6 15.8 23.8
87 12.1 10.0 15.0



#44
Trichloroethene
Concen: 19.366 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:130 Resp: 23937
Ion Ratio Lower Upper
130 100
95 98.5 0.0 202.4

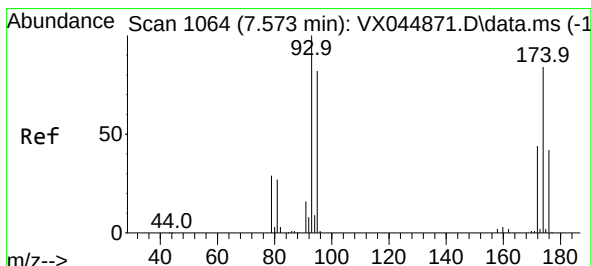
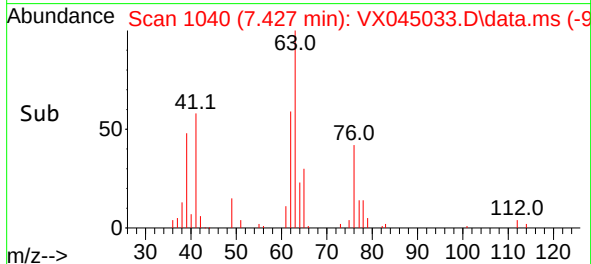
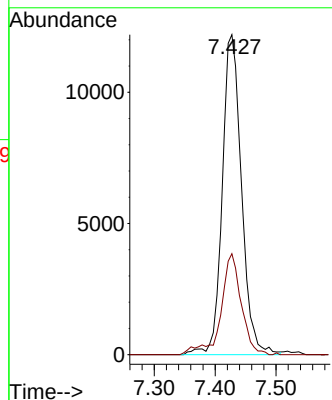
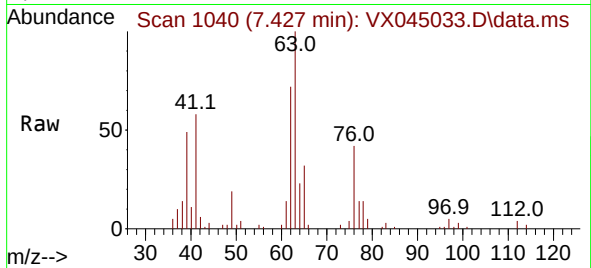




#45
1,2-Dichloropropane
Concen: 19.873 ug/l
RT: 7.427 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

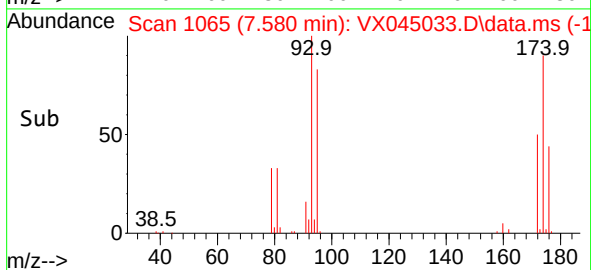
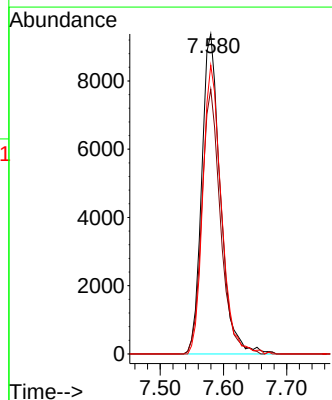
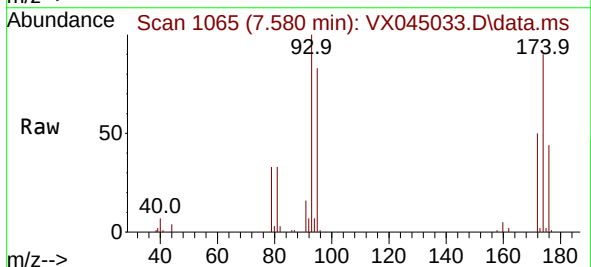
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

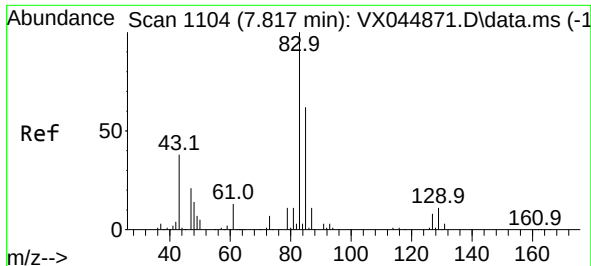
Tgt Ion: 63 Resp: 26735
Ion Ratio Lower Upper
63 100
65 31.5 24.2 36.4



#46
Dibromomethane
Concen: 20.656 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 93 Resp: 19271
Ion Ratio Lower Upper
93 100
95 82.4 66.2 99.4
174 89.3 69.9 104.9

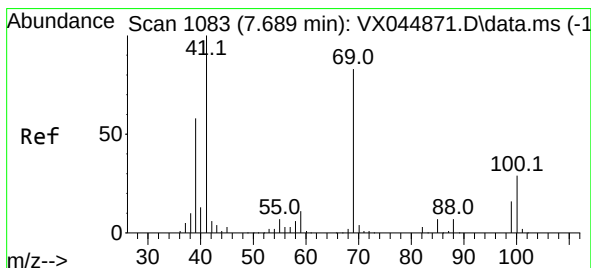
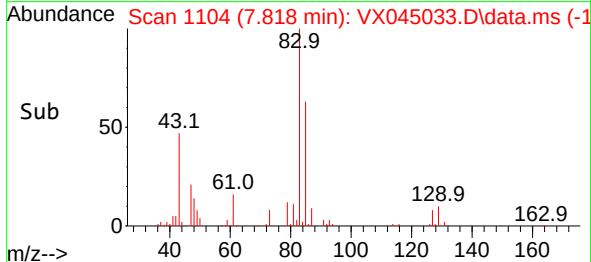
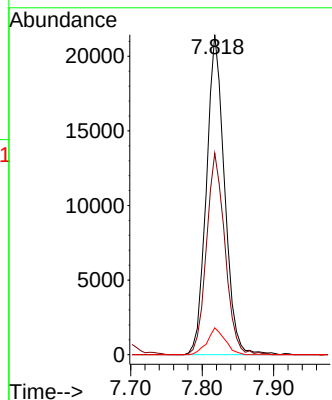
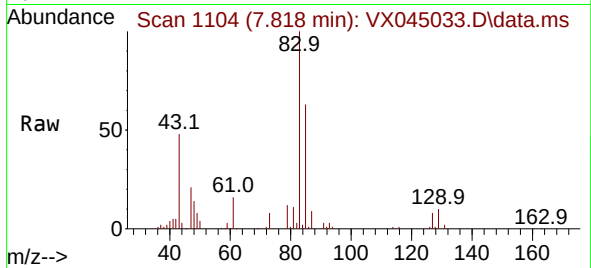




#47
Bromodichloromethane
Concen: 20.908 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

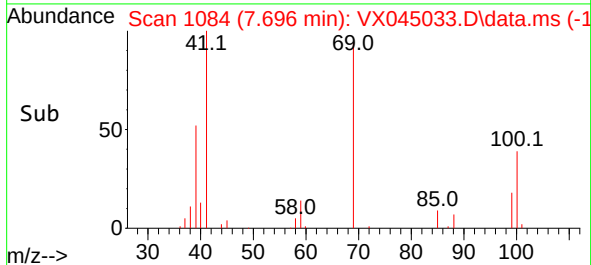
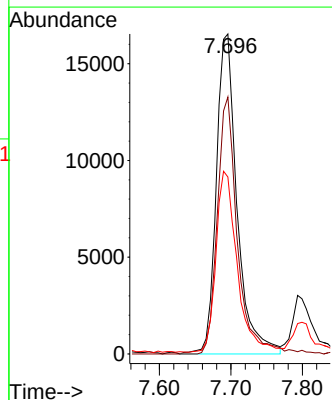
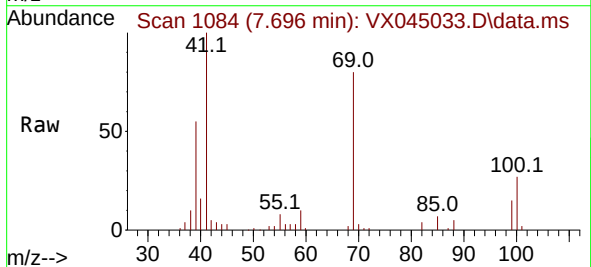
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

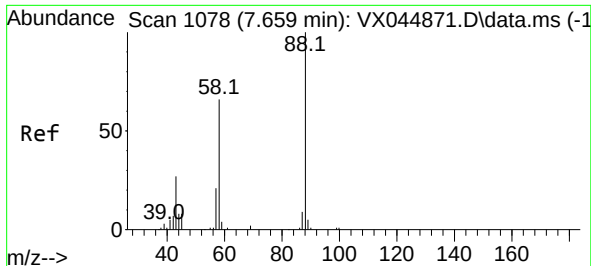
Tgt Ion: 83 Resp: 37771
Ion Ratio Lower Upper
83 100
85 63.0 50.0 75.0
127 8.4 6.4 9.6



#48
Methyl methacrylate
Concen: 22.760 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 41 Resp: 33381
Ion Ratio Lower Upper
41 100
69 77.9 65.8 98.8
39 57.6 46.4 69.6





#49

1,4-Dioxane

Concen: 493.544 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

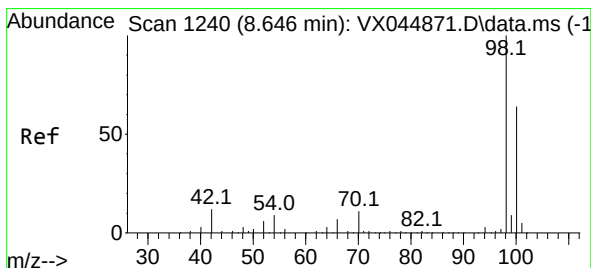
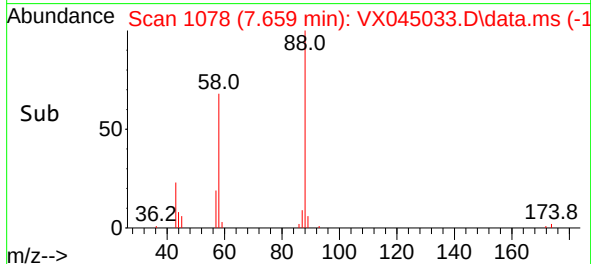
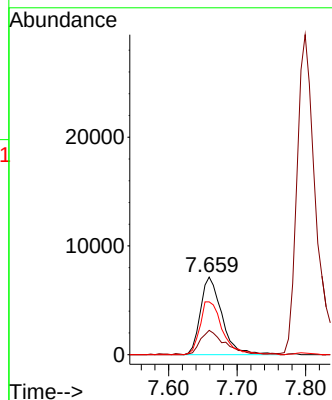
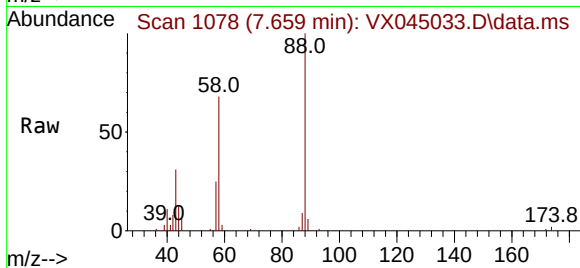
Tgt Ion: 88 Resp: 15530

Ion Ratio Lower Upper

88 100

43 35.7 26.6 39.8

58 71.5 55.9 83.9



#50

Toluene-d8

Concen: 49.732 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX045033.D

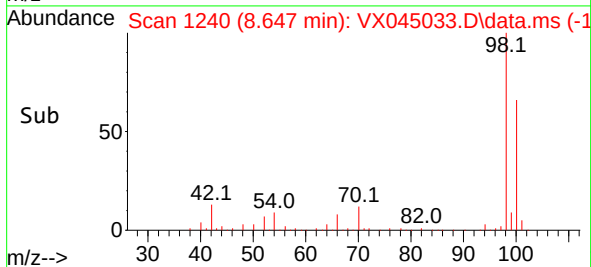
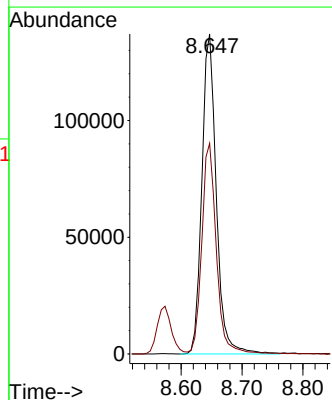
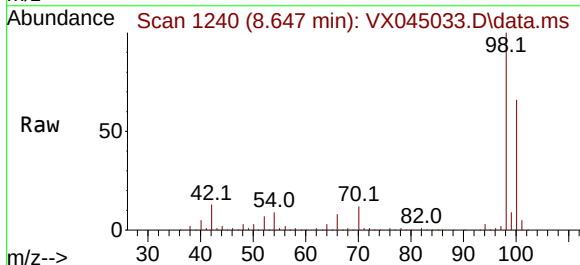
Acq: 25 Feb 2025 12:57

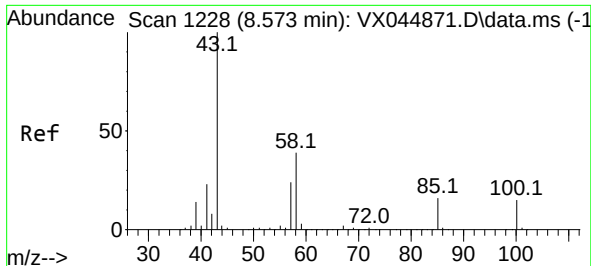
Tgt Ion: 98 Resp: 225725

Ion Ratio Lower Upper

98 100

100 66.0 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 126.106 ug/l

RT: 8.574 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

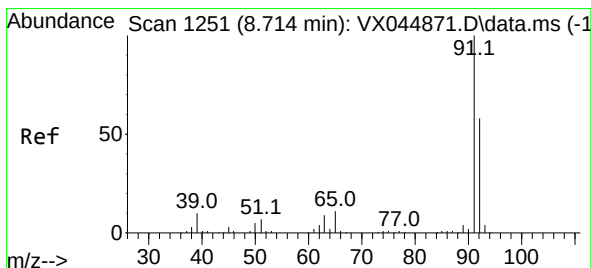
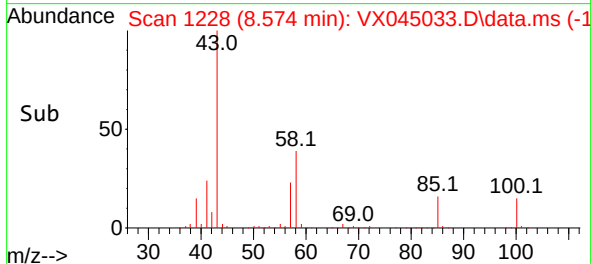
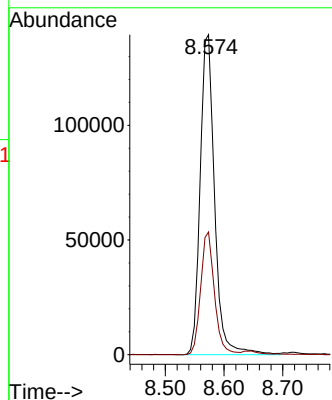
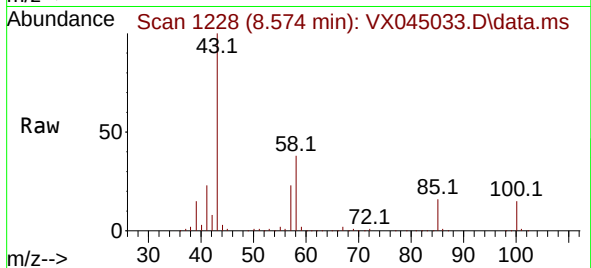
VX0225WBSD01

Tgt Ion: 43 Resp: 238466

Ion Ratio Lower Upper

43 100

58 36.7 30.8 46.2



#52

Toluene

Concen: 19.284 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX045033.D

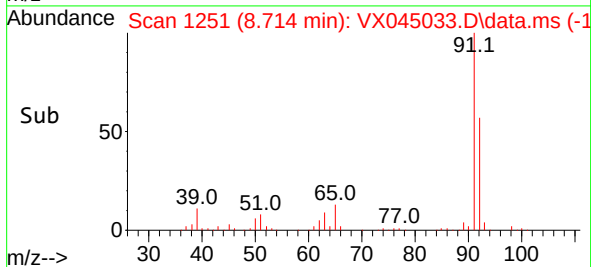
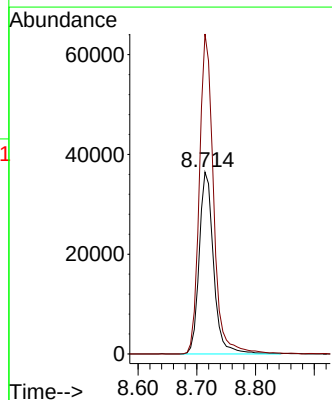
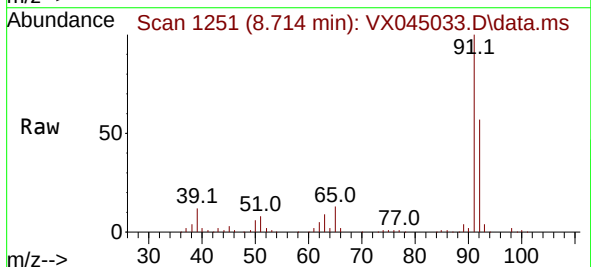
Acq: 25 Feb 2025 12:57

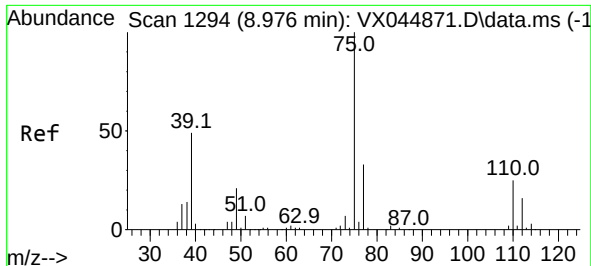
Tgt Ion: 92 Resp: 62103

Ion Ratio Lower Upper

92 100

91 173.9 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 18.288 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

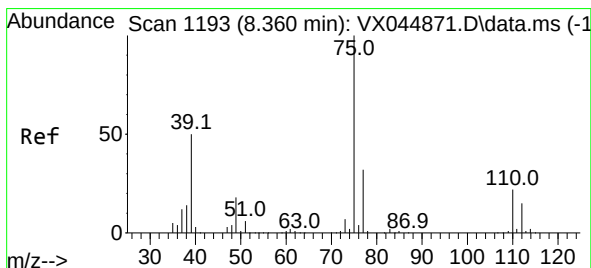
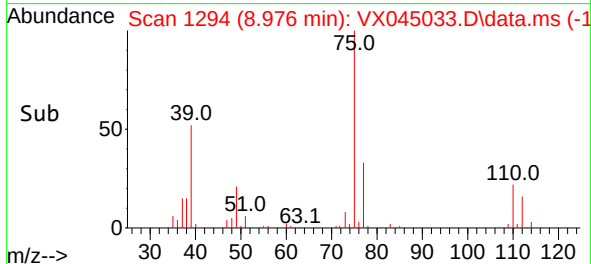
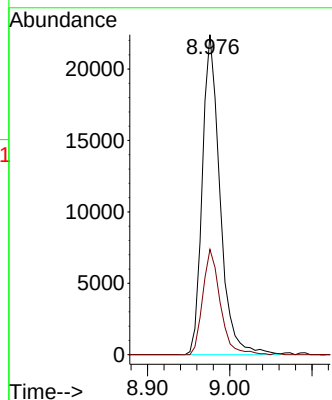
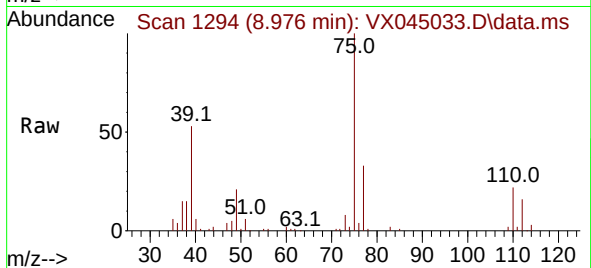
VX0225WBSD01

Tgt Ion: 75 Resp: 33432

Ion Ratio Lower Upper

75 100

77 32.9 26.0 39.0



#54

cis-1,3-Dichloropropene

Concen: 19.666 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

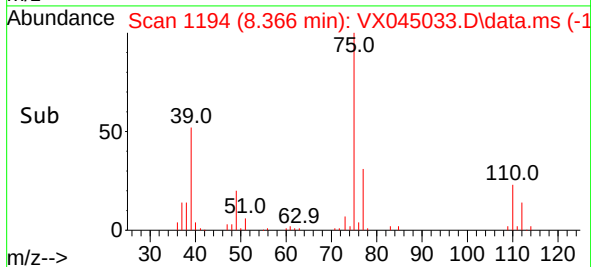
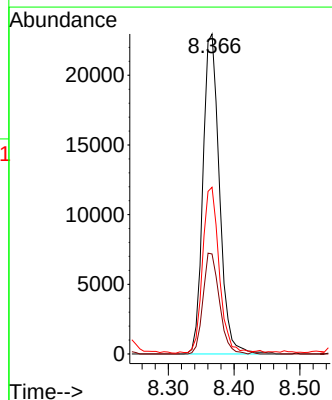
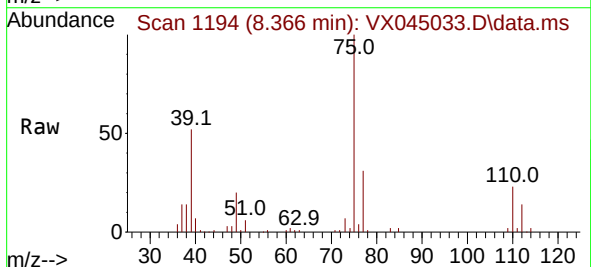
Tgt Ion: 75 Resp: 40084

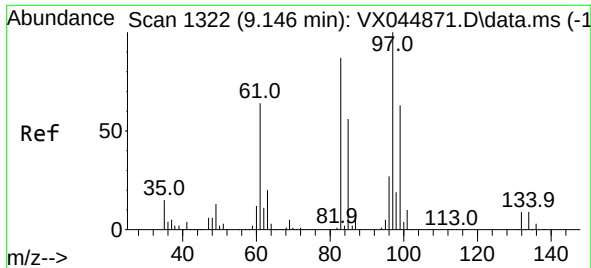
Ion Ratio Lower Upper

75 100

77 31.3 25.3 37.9

39 51.6 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 21.027 ug/l

RT: 9.147 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

Tgt Ion: 97 Resp: 26031

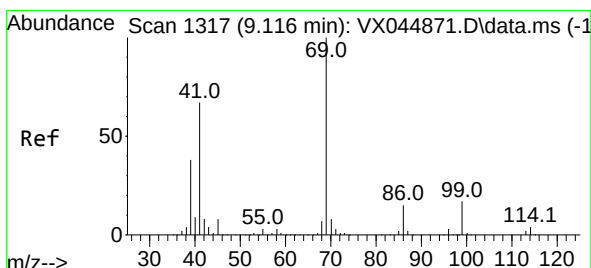
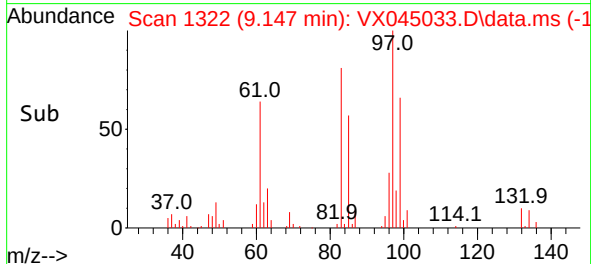
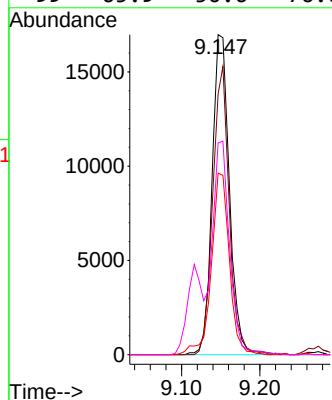
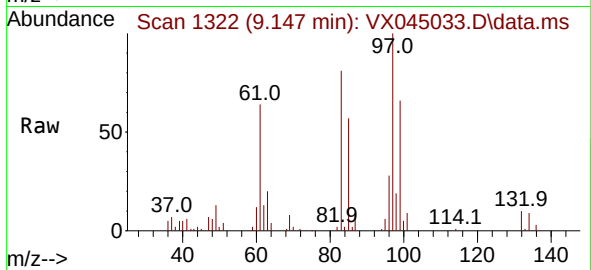
Ion Ratio Lower Upper

97 100

83 81.5 69.8 104.6

85 56.7 44.8 67.2

99 65.9 50.6 76.0



#56

Ethyl methacrylate

Concen: 20.616 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

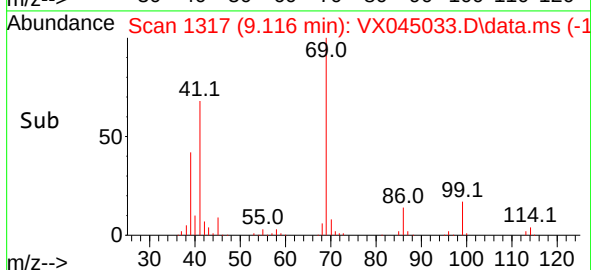
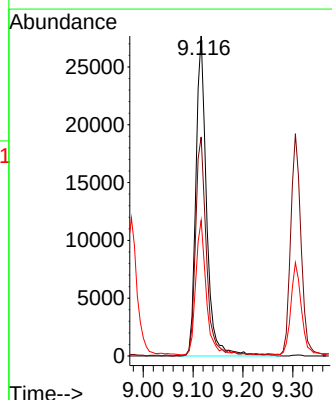
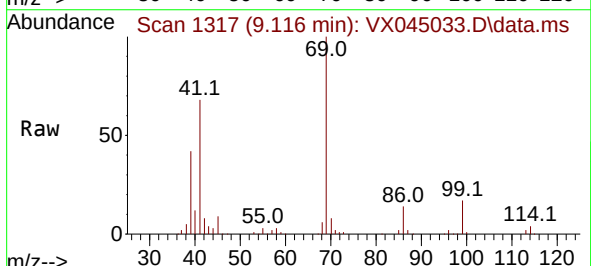
Tgt Ion: 69 Resp: 41220

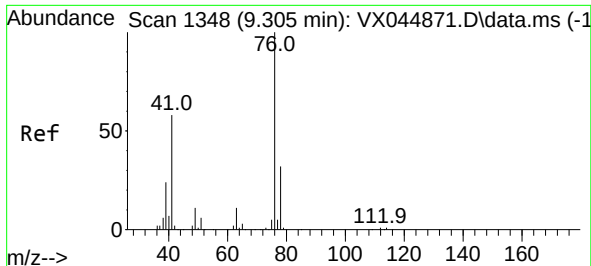
Ion Ratio Lower Upper

69 100

41 69.4 55.2 82.8

39 41.6 30.8 46.2





#57

1,3-Dichloropropane

Concen: 20.641 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

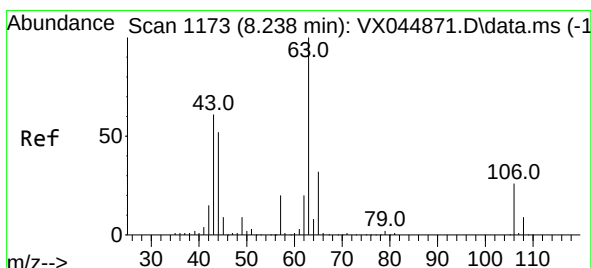
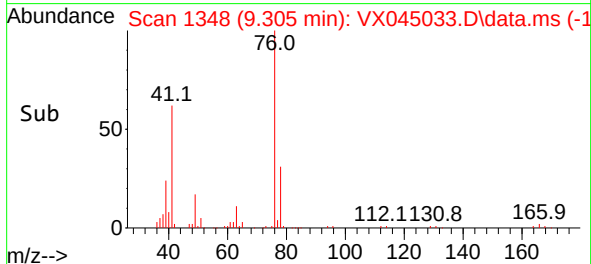
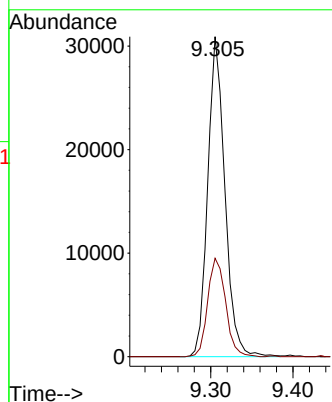
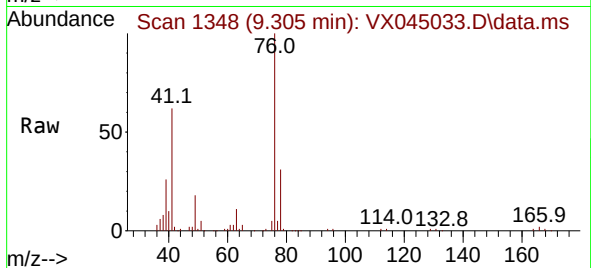
VX0225WBSD01

Tgt Ion: 76 Resp: 44709

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 90.045 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX045033.D

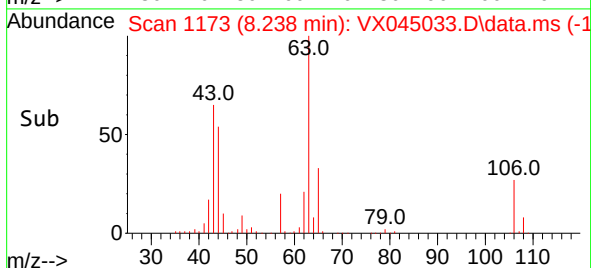
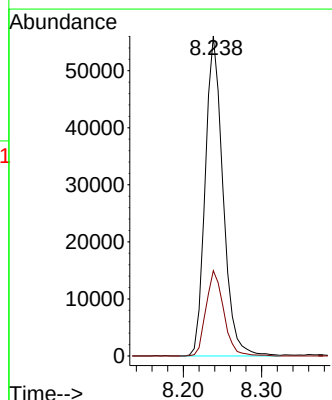
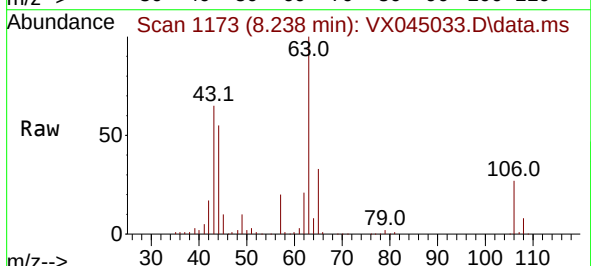
Acq: 25 Feb 2025 12:57

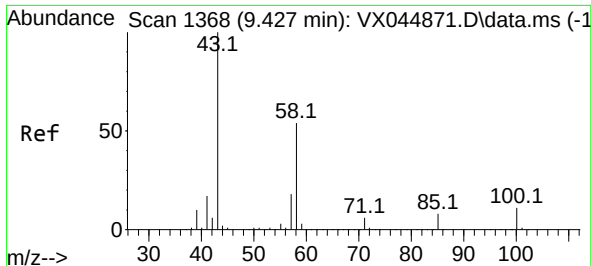
Tgt Ion: 63 Resp: 88402

Ion Ratio Lower Upper

63 100

106 26.5 21.3 31.9





#59

2-Hexanone

Concen: 129.175 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

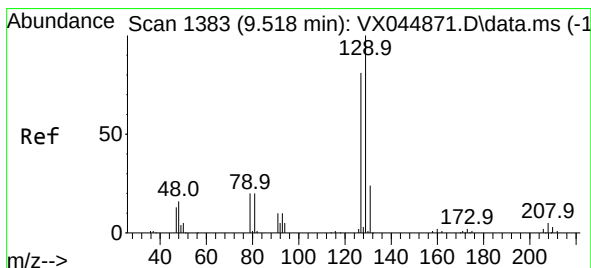
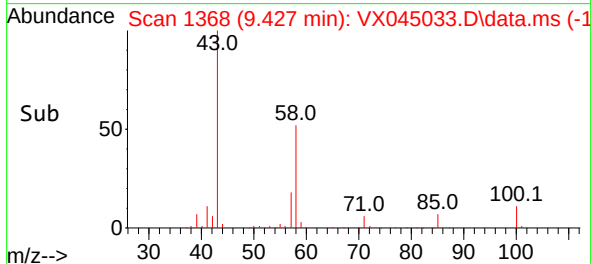
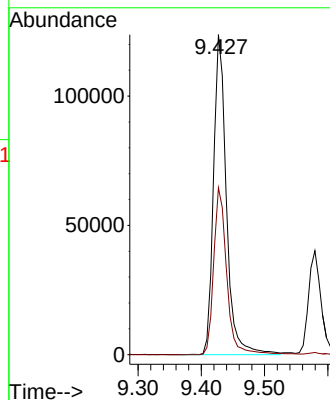
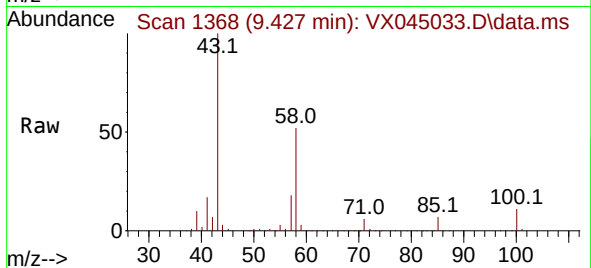
VX0225WBSD01

Tgt Ion: 43 Resp: 175998

Ion Ratio Lower Upper

43 100

58 52.9 27.5 82.4



#60

Dibromochloromethane

Concen: 20.666 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX045033.D

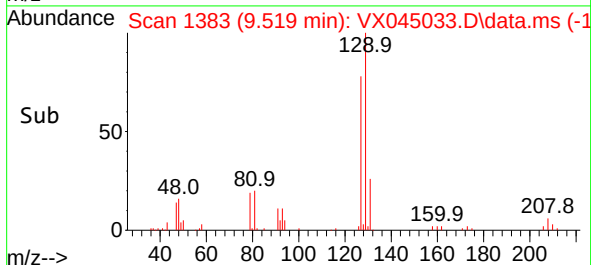
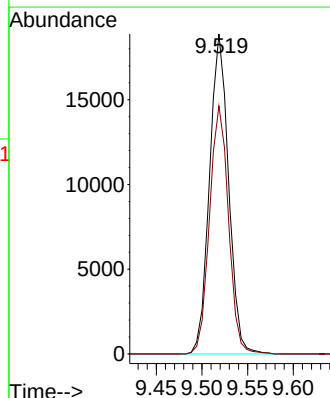
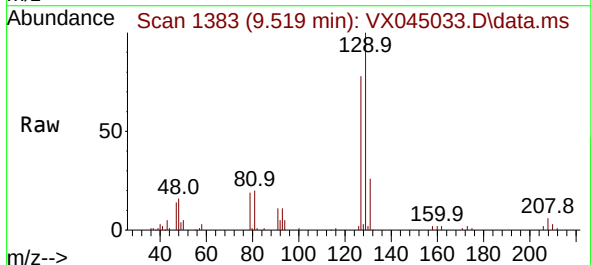
Acq: 25 Feb 2025 12:57

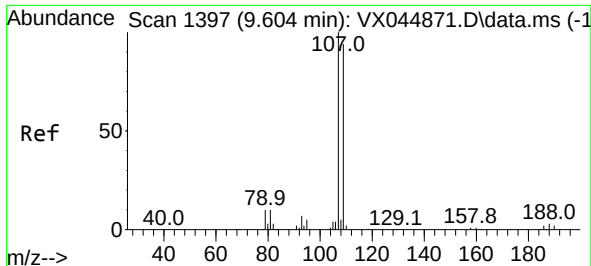
Tgt Ion: 129 Resp: 27361

Ion Ratio Lower Upper

129 100

127 77.1 39.1 117.3

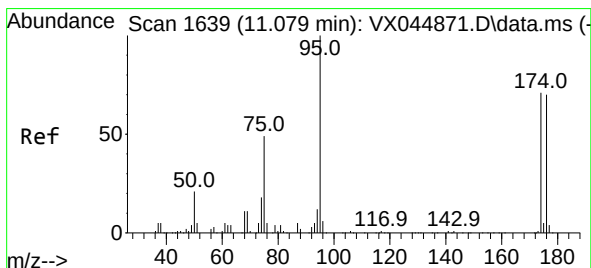
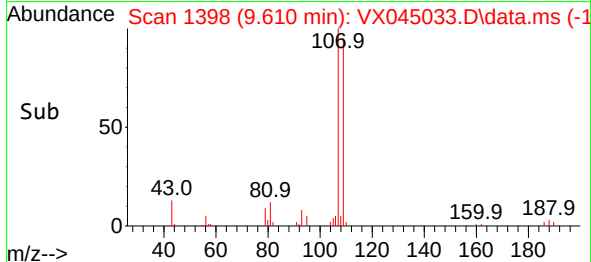
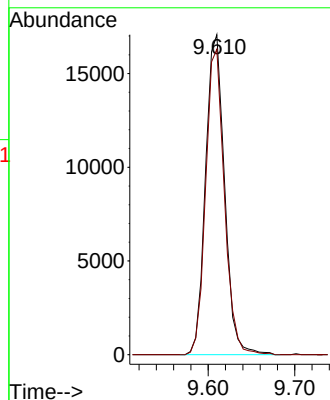
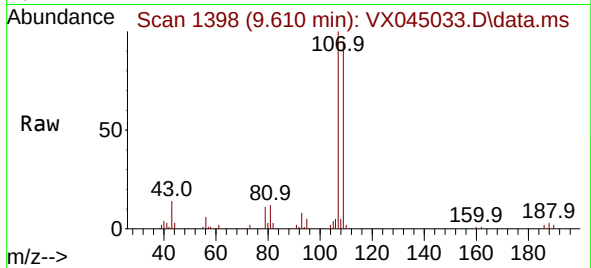




#61
1,2-Dibromoethane
Concen: 20.725 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

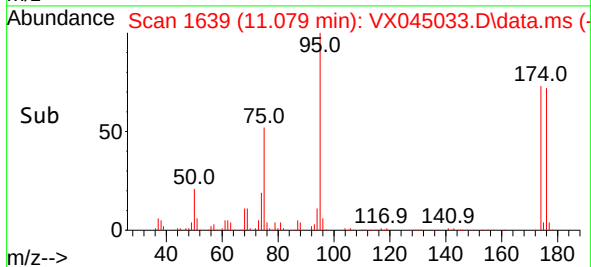
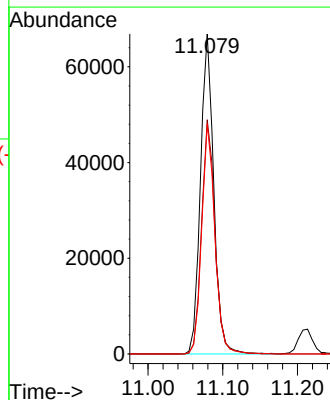
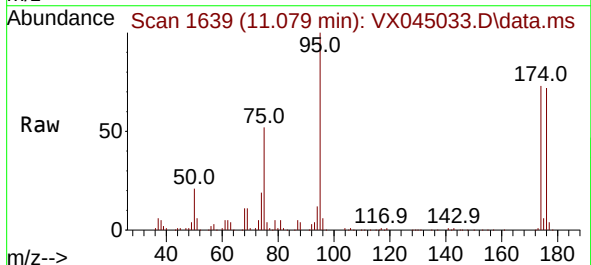
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

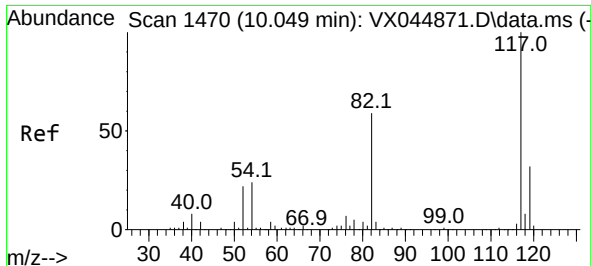
Tgt Ion:107 Resp: 26005
Ion Ratio Lower Upper
107 100
109 94.0 75.9 113.9



#62
4-Bromofluorobenzene
Concen: 53.799 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 95 Resp: 82320
Ion Ratio Lower Upper
95 100
174 74.1 0.0 142.6
176 71.3 0.0 141.6

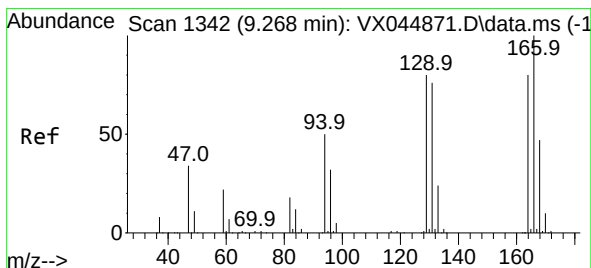
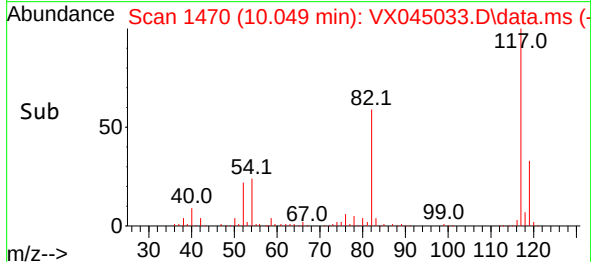
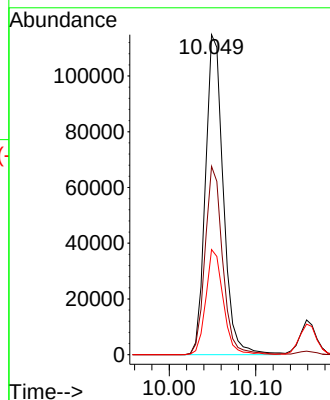
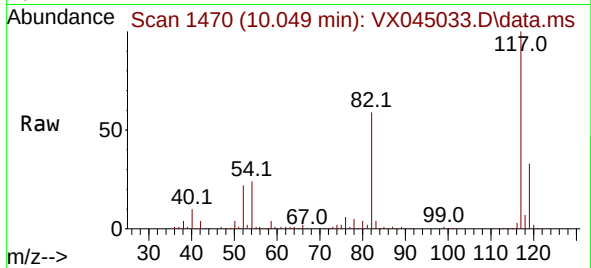




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

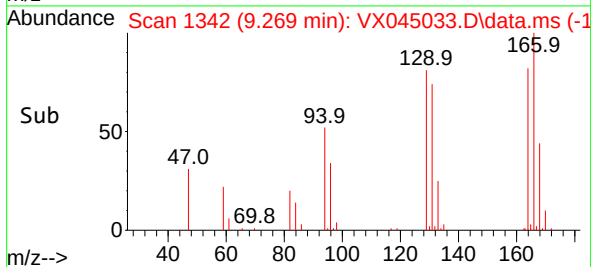
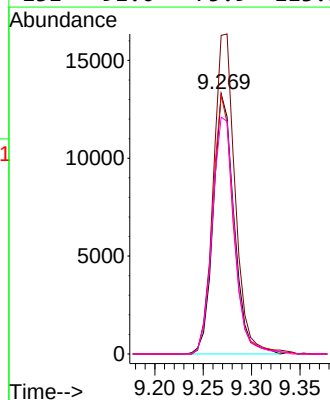
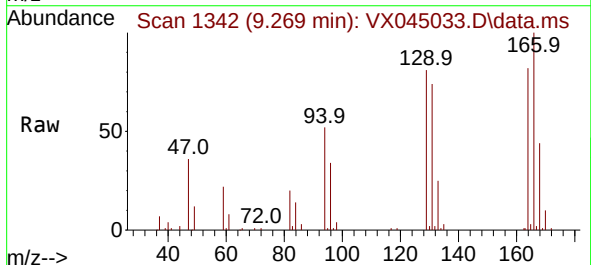
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

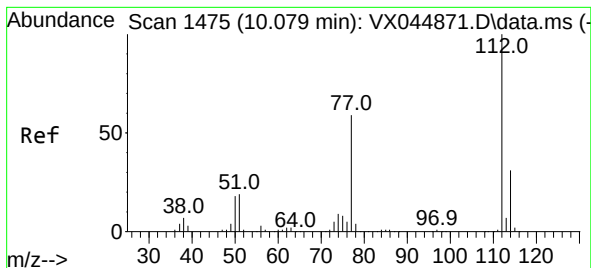
Tgt Ion:117 Resp: 164218
Ion Ratio Lower Upper
117 100
82 58.9 47.5 71.3
119 32.8 25.4 38.0



#64
Tetrachloroethene
Concen: 19.217 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:164 Resp: 19902
Ion Ratio Lower Upper
164 100
166 122.4 100.4 150.6
129 99.5 79.9 119.9
131 91.0 75.9 113.9

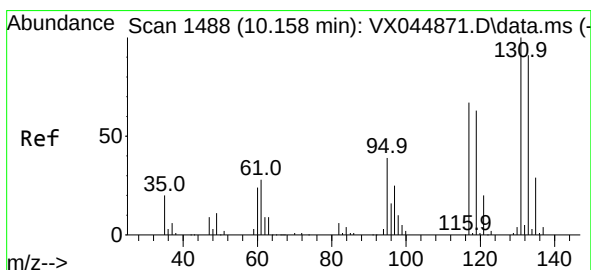
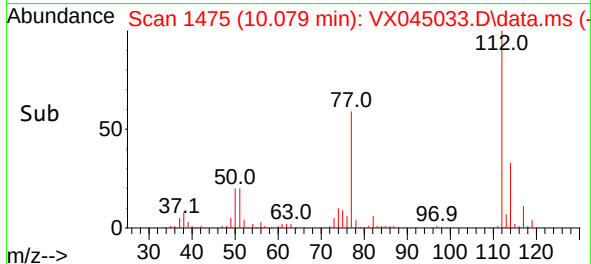
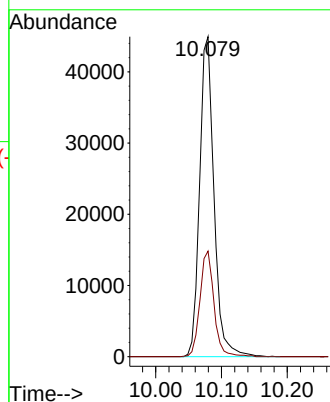
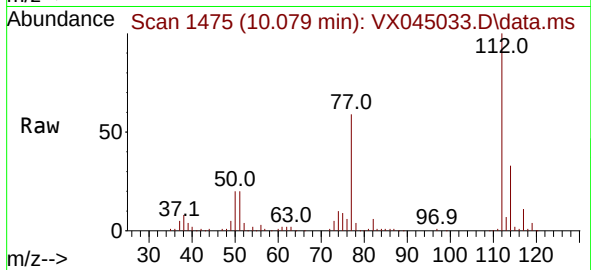




#65
Chlorobenzene
Concen: 19.299 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

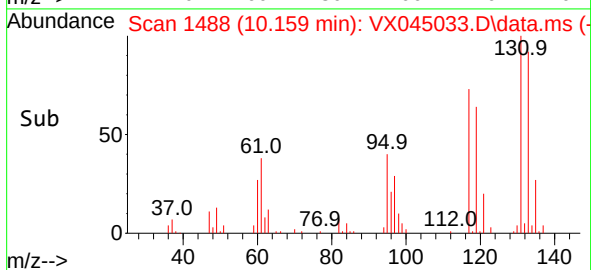
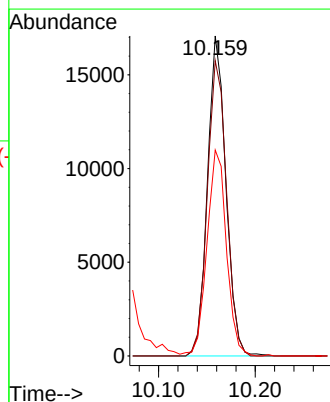
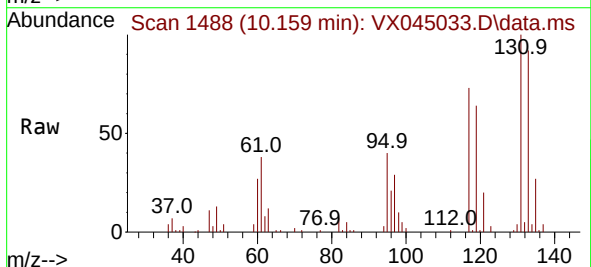
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

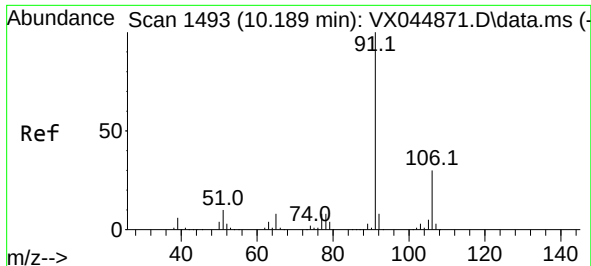
Tgt Ion:112 Resp: 68070
Ion Ratio Lower Upper
112 100
114 33.0 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.942 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:131 Resp: 22640
Ion Ratio Lower Upper
131 100
133 96.3 47.1 141.3
119 67.9 33.6 100.6





#67

Ethyl Benzene

Concen: 19.150 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

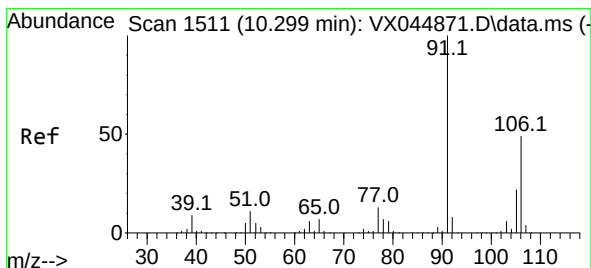
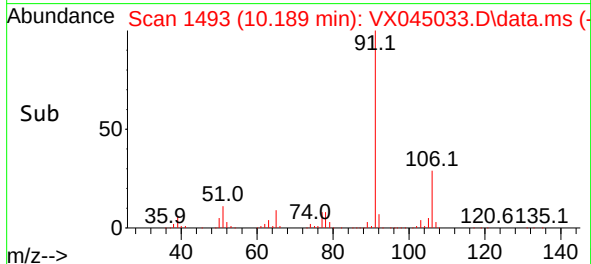
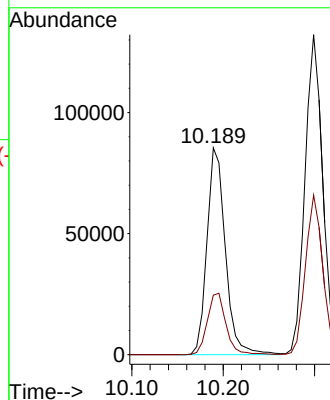
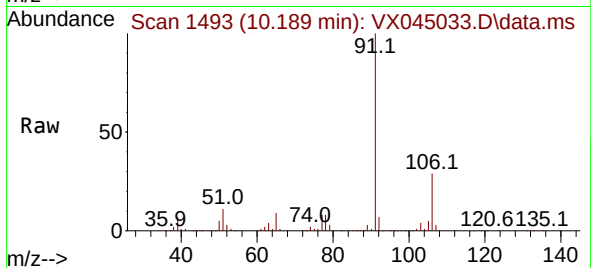
VX0225WBSD01

Tgt Ion: 91 Resp: 119195

Ion Ratio Lower Upper

91 100

106 28.8 23.9 35.9



#68

m/p-Xylenes

Concen: 39.486 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX045033.D

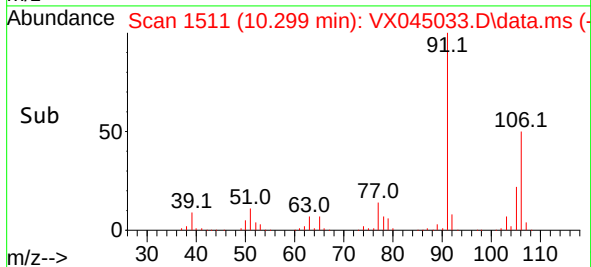
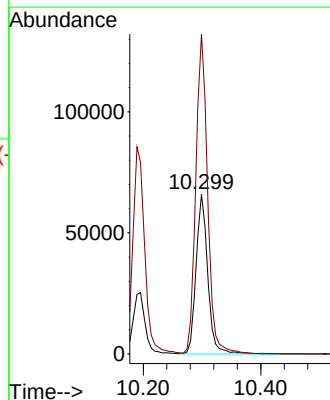
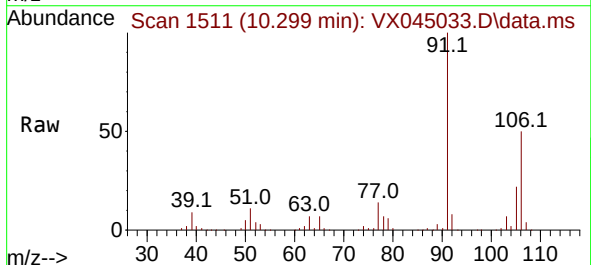
Acq: 25 Feb 2025 12:57

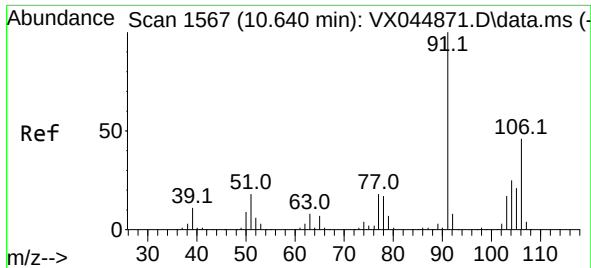
Tgt Ion: 106 Resp: 90661

Ion Ratio Lower Upper

106 100

91 202.0 164.3 246.5

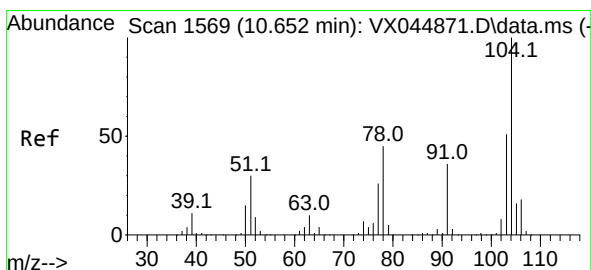
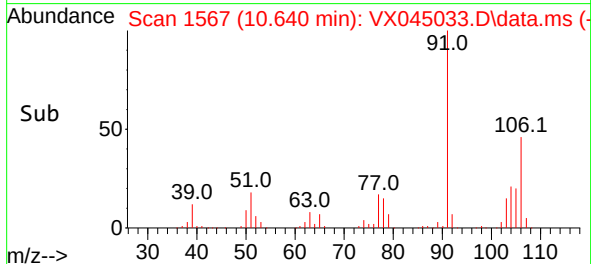
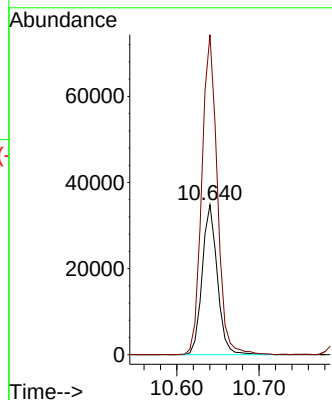
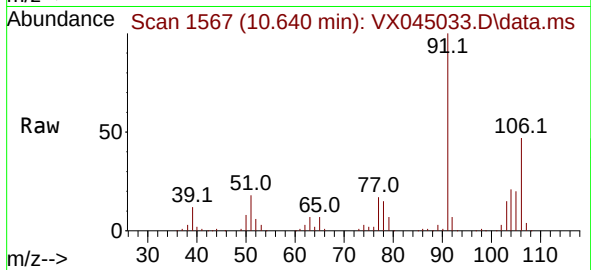




#69
o-Xylene
Concen: 19.307 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

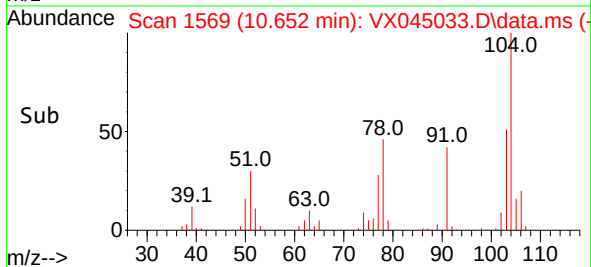
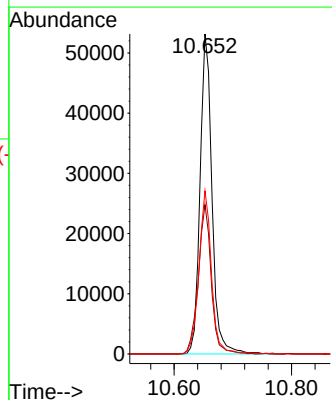
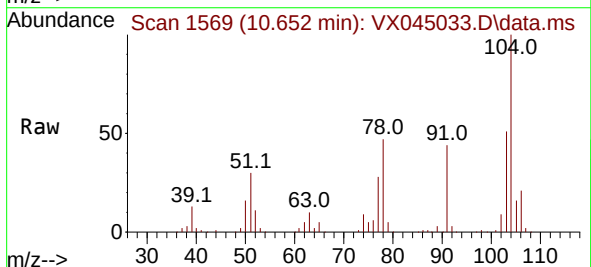
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

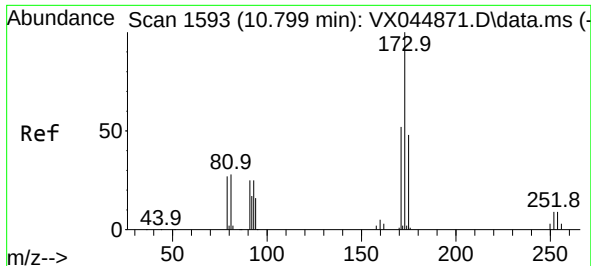
Tgt Ion:106 Resp: 44481
Ion Ratio Lower Upper
106 100
91 218.5 108.5 325.5



#70
Styrene
Concen: 20.171 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:104 Resp: 74872
Ion Ratio Lower Upper
104 100
78 50.6 40.5 60.7
103 54.0 43.6 65.4

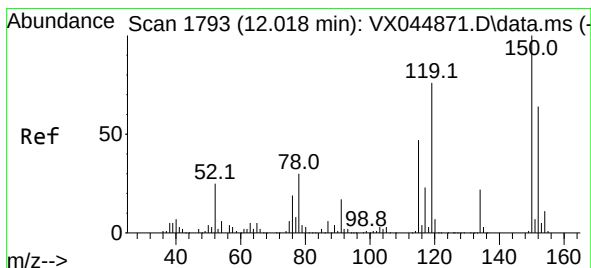
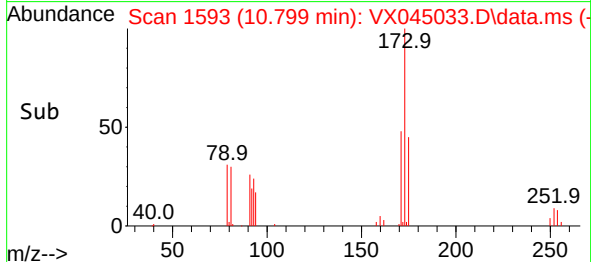
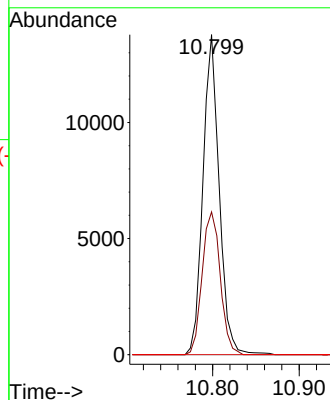
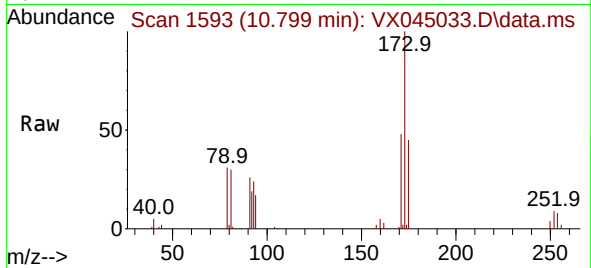




#71
Bromoform
Concen: 21.169 ug/l
RT: 10.799 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

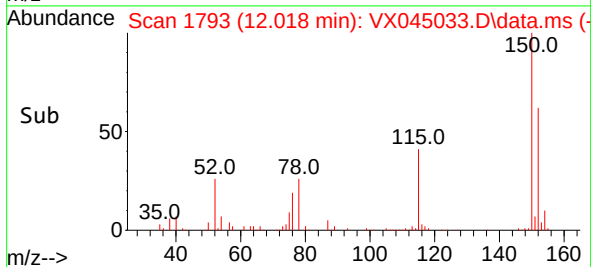
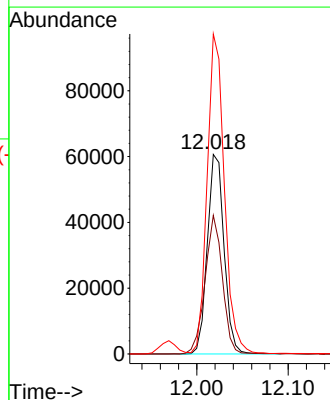
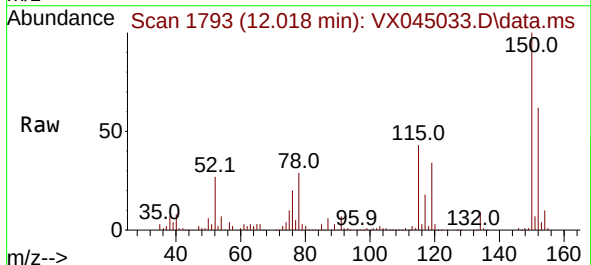
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

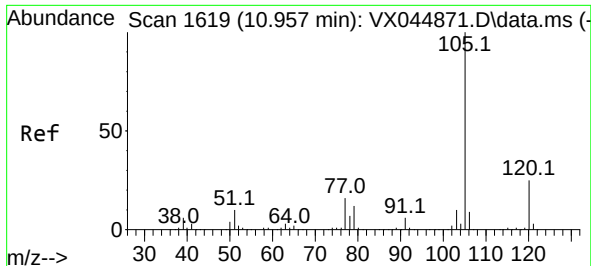
Tgt Ion:173 Resp: 17936
Ion Ratio Lower Upper
173 100
175 49.7 24.3 72.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:152 Resp: 77007
Ion Ratio Lower Upper
152 100
115 72.1 43.4 130.1
150 164.1 0.0 350.4

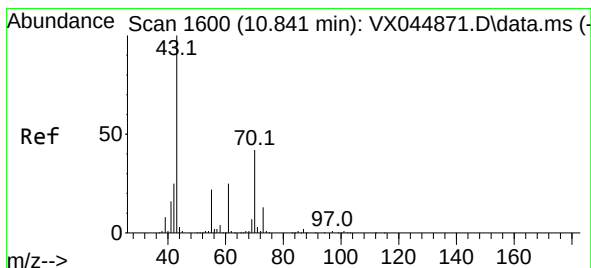
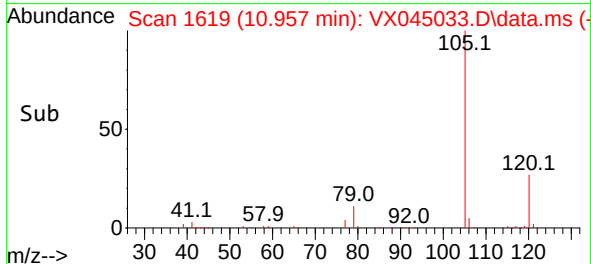
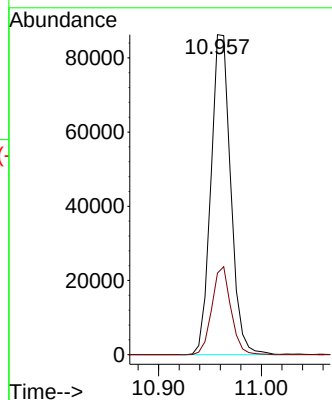
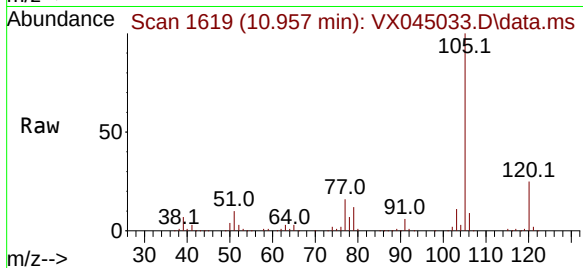




#73
Isopropylbenzene
Concen: 18.682 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

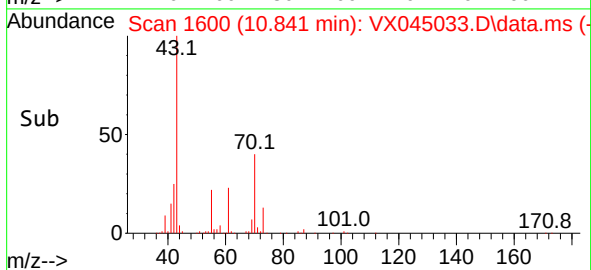
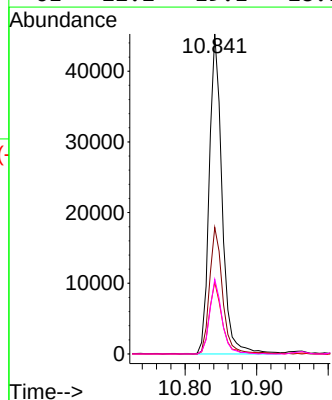
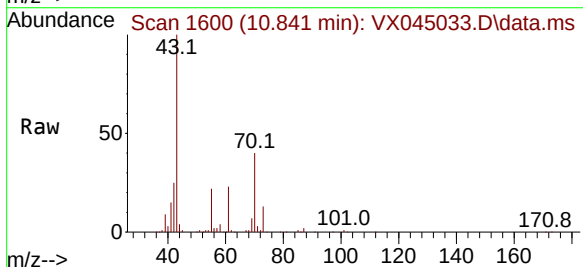
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

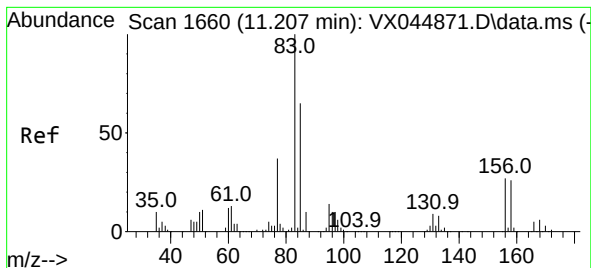
Tgt Ion:105 Resp: 115836
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5



#74
N-ethyl acetate
Concen: 20.142 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 43 Resp: 56516
Ion Ratio Lower Upper
43 100
70 40.2 33.7 50.5
55 22.6 18.6 27.8
61 22.2 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.199 ug/l

RT: 11.213 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX045033.D

Acq: 25 Feb 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

VX0225WBSD01

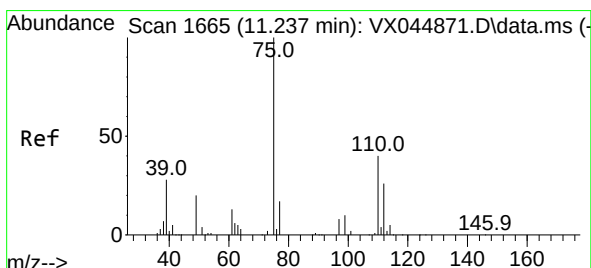
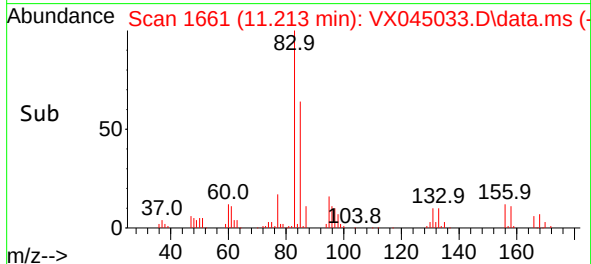
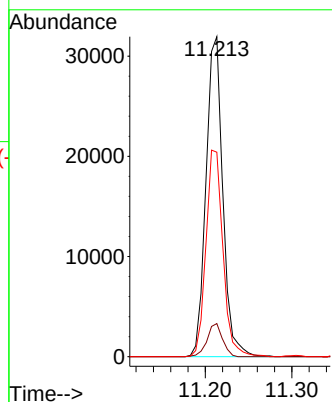
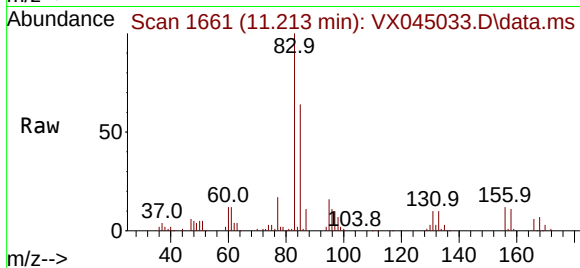
Tgt Ion: 83 Resp: 43038

Ion Ratio Lower Upper

83 100

131 9.5 4.5 13.5

85 65.4 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 25.541 ug/l

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX045033.D

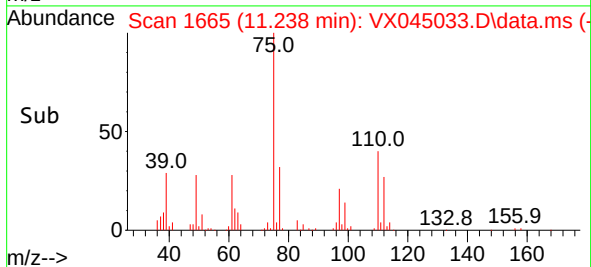
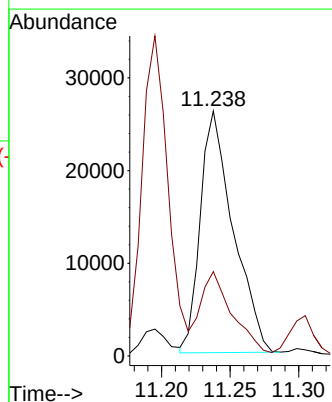
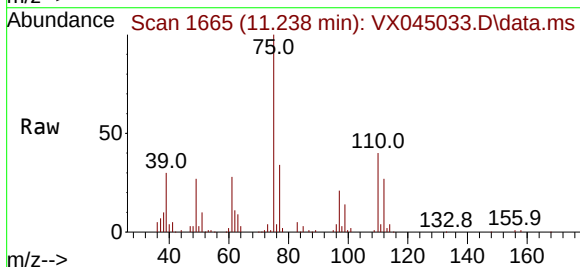
Acq: 25 Feb 2025 12:57

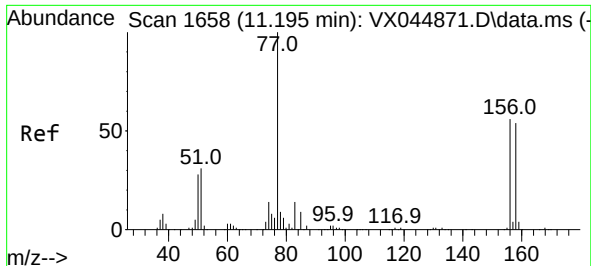
Tgt Ion: 75 Resp: 43607

Ion Ratio Lower Upper

75 100

77 34.2 21.9 65.7

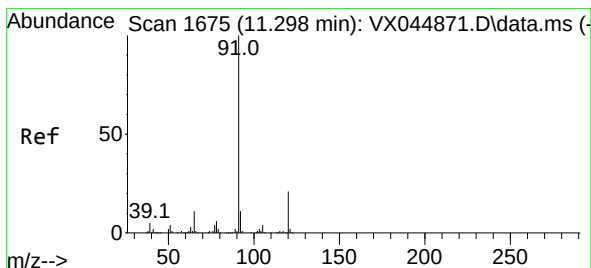
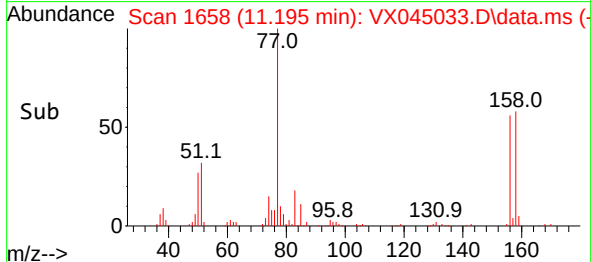
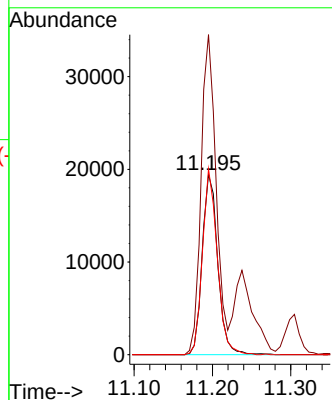
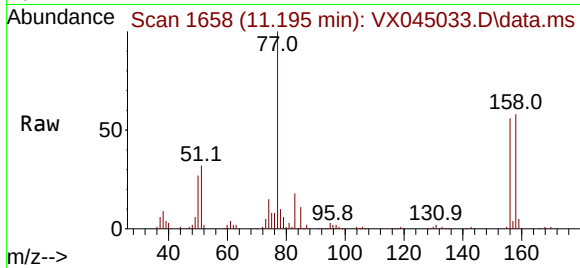




#77
Bromobenzene
Concen: 19.079 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

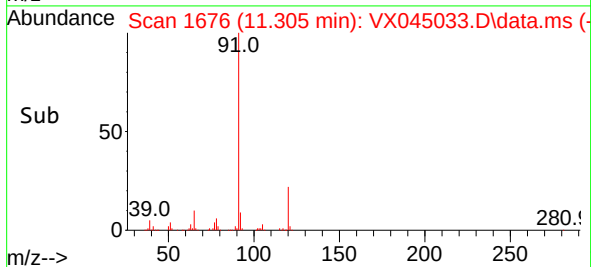
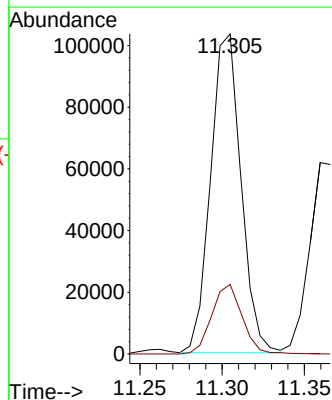
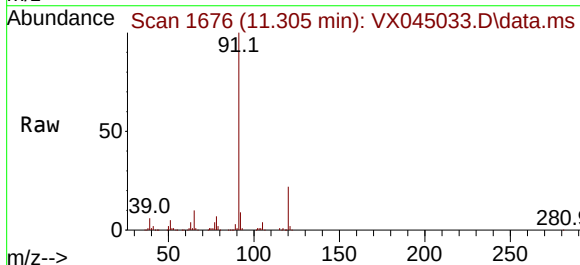
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

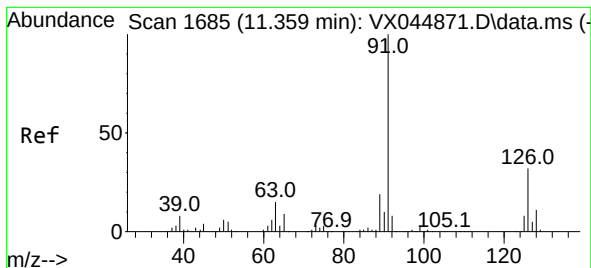
Tgt Ion:156 Resp: 26820
Ion Ratio Lower Upper
156 100
77 171.7 88.4 265.3
158 98.5 48.4 145.2



#78
n-propylbenzene
Concen: 18.576 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 91 Resp: 132947
Ion Ratio Lower Upper
91 100
120 21.8 11.1 33.3

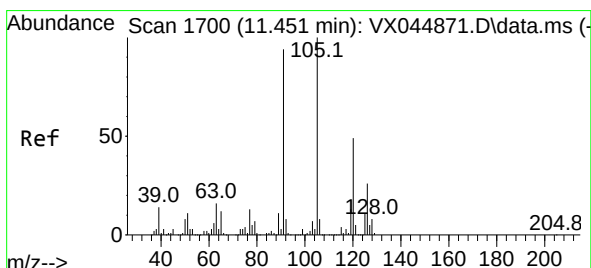
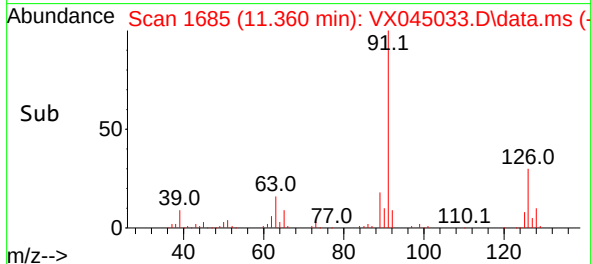
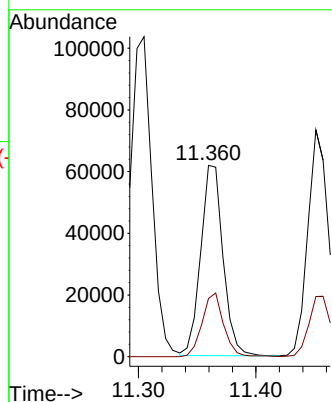
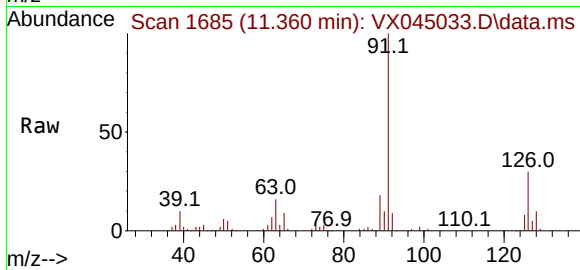




#79
2-Chlorotoluene
Concen: 18.547 ug/l
RT: 11.360 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

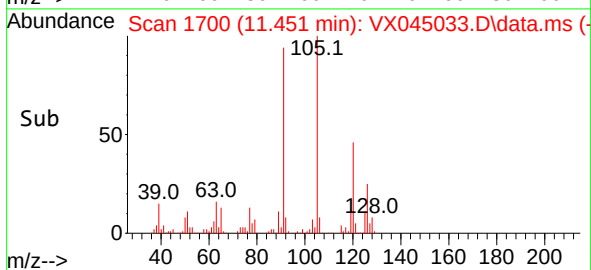
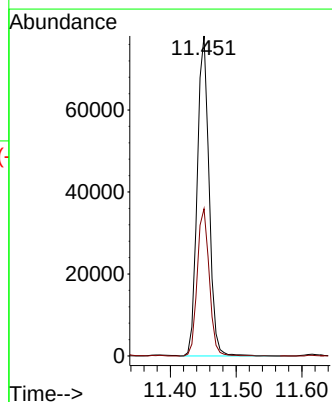
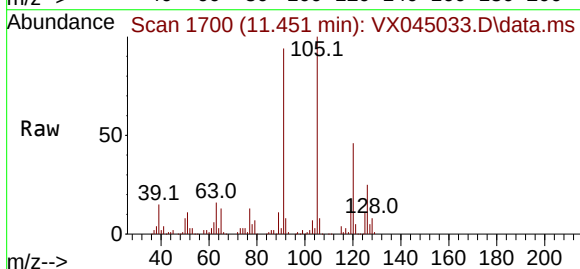
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

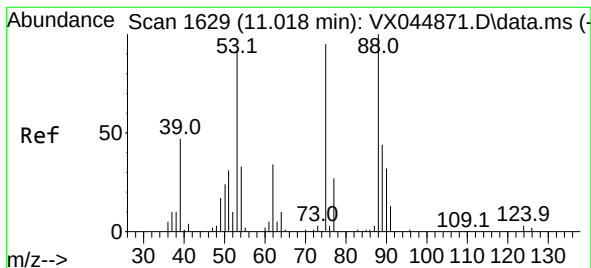
Tgt Ion: 91 Resp: 81582
Ion Ratio Lower Upper
91 100
126 32.1 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 19.272 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 105 Resp: 96972
Ion Ratio Lower Upper
105 100
120 46.8 24.0 72.0

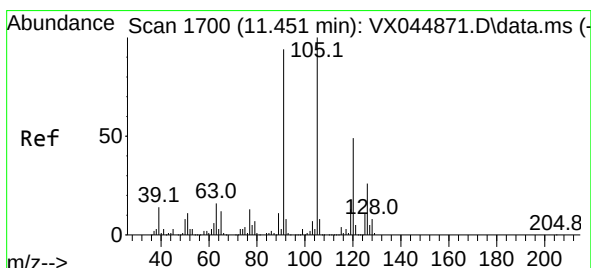
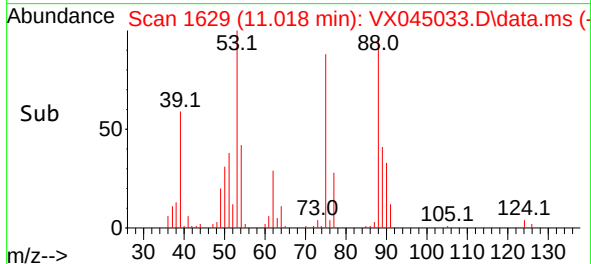
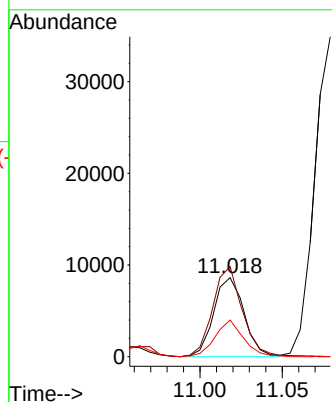
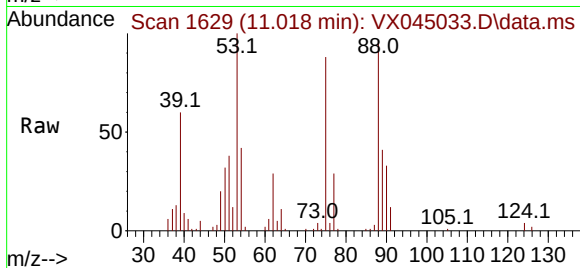




#81
trans-1,4-Dichloro-2-butene
Concen: 16.743 ug/l
RT: 11.018 min Scan# 1111
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

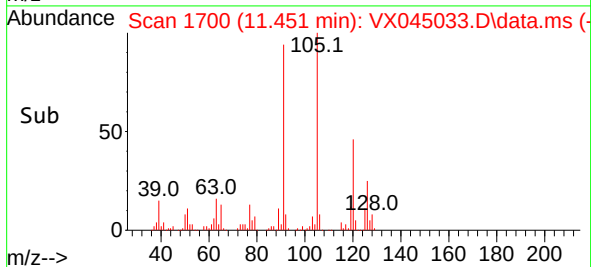
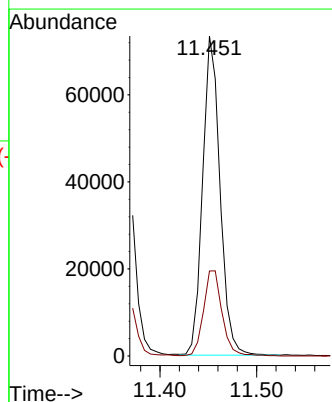
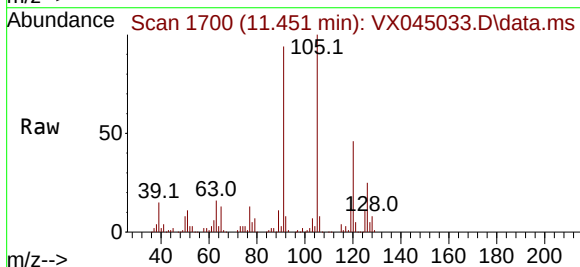
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

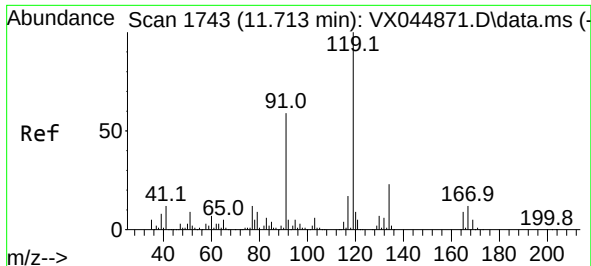
Tgt Ion: 75 Resp: 11113
Ion Ratio Lower Upper
75 100
53 111.4 78.0 117.0
89 43.0 36.6 54.8



#82
4-Chlorotoluene
Concen: 18.878 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 91 Resp: 91866
Ion Ratio Lower Upper
91 100
126 28.7 14.2 42.6

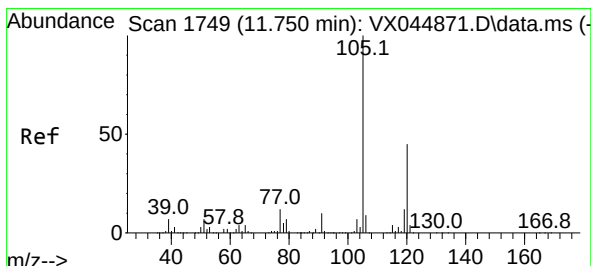
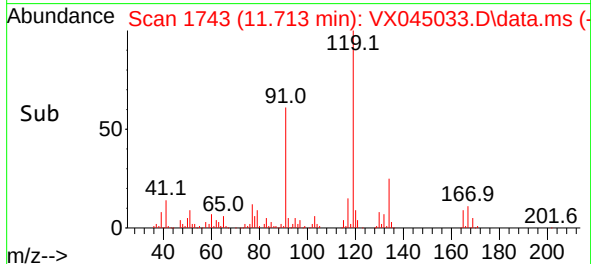
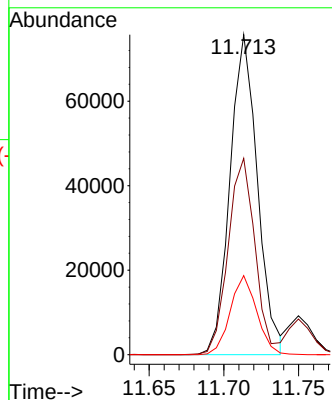
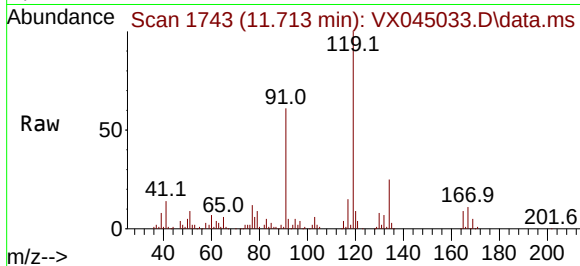




#83
 tert-Butylbenzene
 Concen: 19.030 ug/l
 RT: 11.713 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX045033.D
 Acq: 25 Feb 2025 12:57

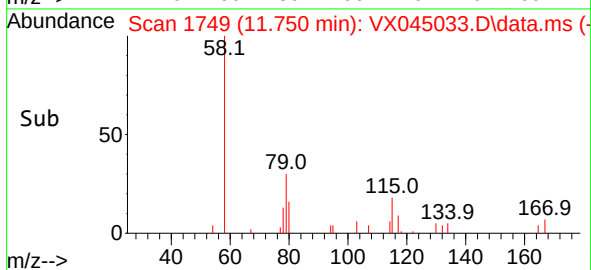
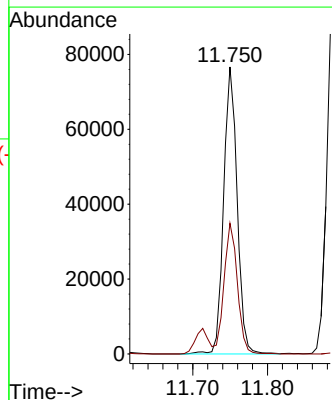
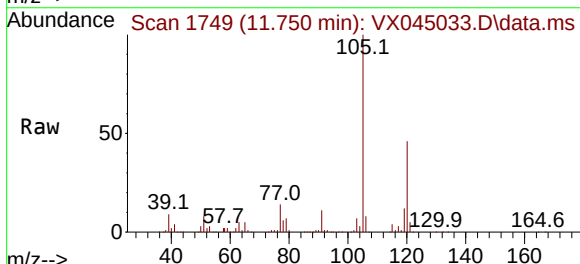
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0225WBSD01

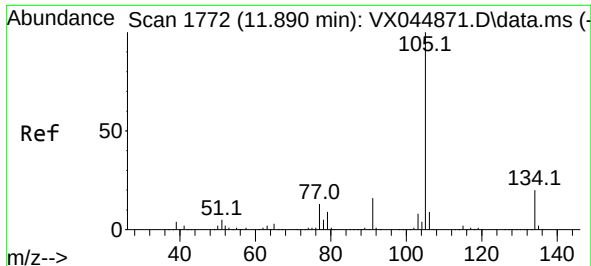
Tgt Ion:	119	Resp:	96867
Ion	Ratio	Lower	Upper
119	100		
91	60.4	29.1	87.4
134	23.9	11.5	34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 19.413 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX045033.D
 Acq: 25 Feb 2025 12:57

Tgt Ion:	105	Resp:	96411
Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.4	67.0

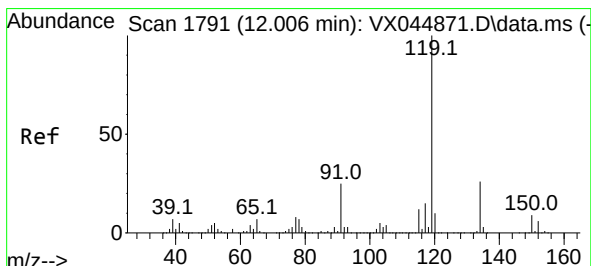
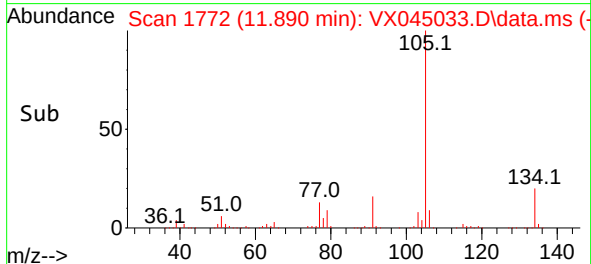
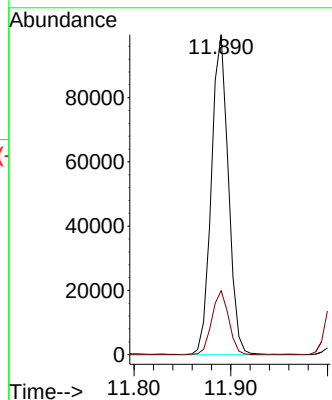
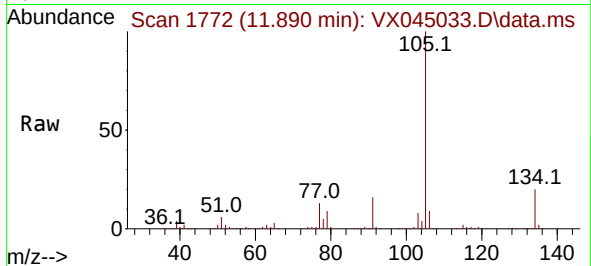




#85
sec-Butylbenzene
Concen: 19.331 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

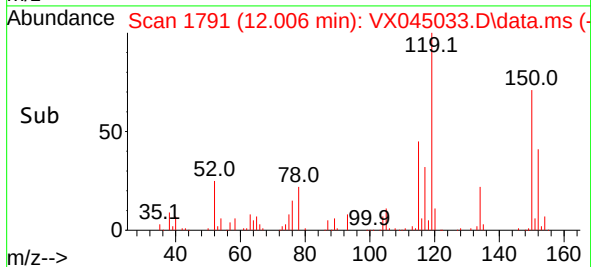
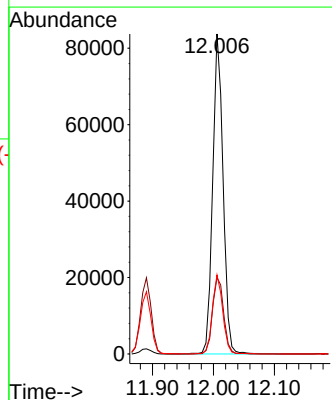
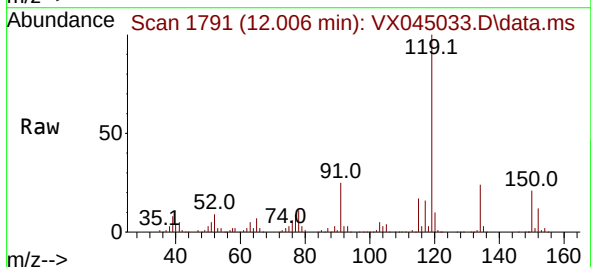
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

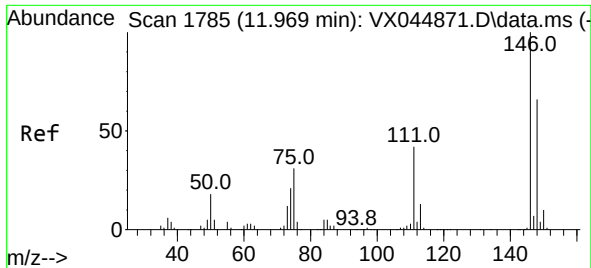
Tgt Ion:105 Resp: 121849
Ion Ratio Lower Upper
105 100
134 19.8 9.8 29.3



#86
p-Isopropyltoluene
Concen: 19.574 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:119 Resp: 99219
Ion Ratio Lower Upper
119 100
134 25.6 13.0 38.9
91 24.8 12.1 36.3

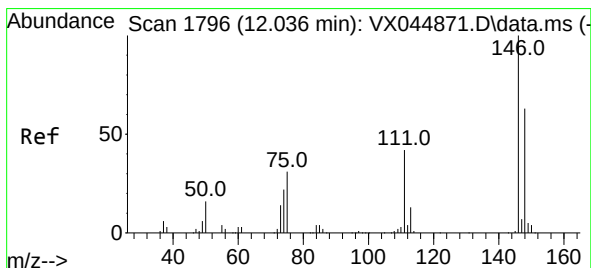
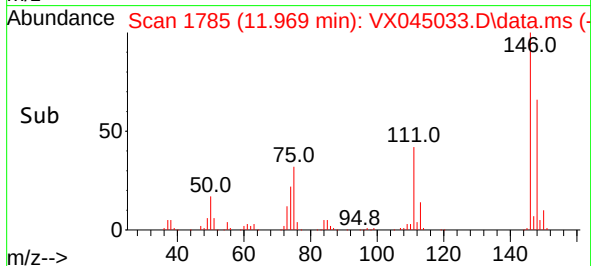
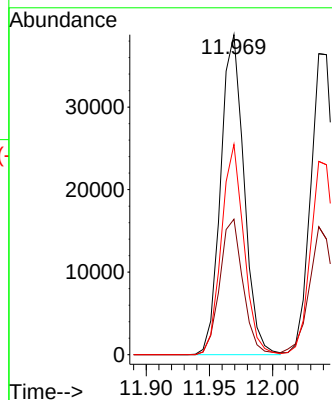
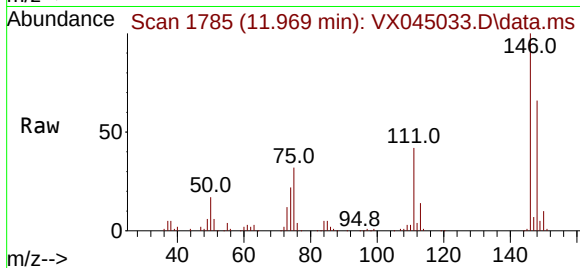




#87
 1,3-Dichlorobenzene
 Concen: 19.233 ug/l
 RT: 11.969 min Scan# 1785
 Delta R.T. 0.000 min
 Lab File: VX045033.D
 Acq: 25 Feb 2025 12:57

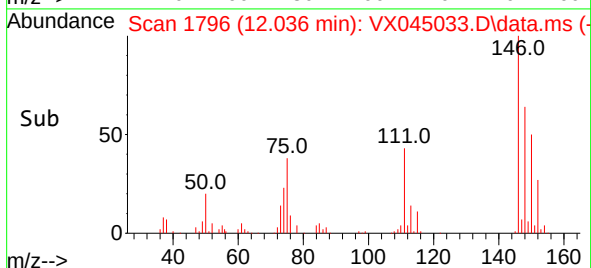
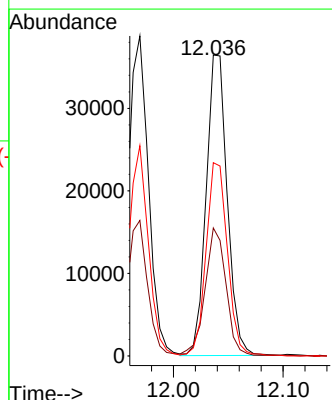
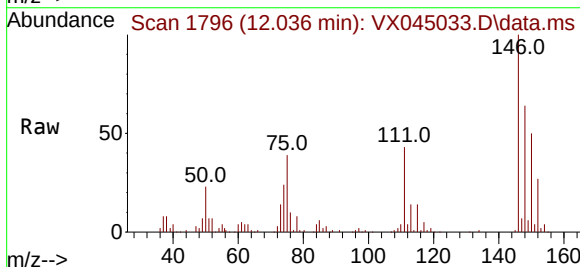
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0225WBSD01

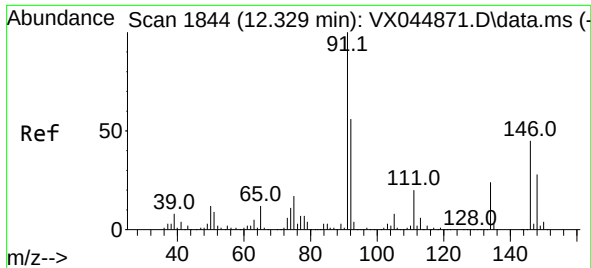
Tgt Ion:146 Resp: 49720
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.2 63.6
 148 63.3 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 18.609 ug/l
 RT: 12.036 min Scan# 1796
 Delta R.T. 0.000 min
 Lab File: VX045033.D
 Acq: 25 Feb 2025 12:57

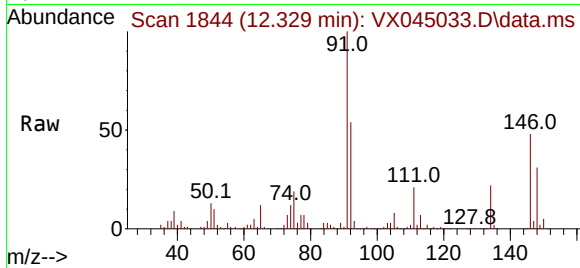
Tgt Ion:146 Resp: 48639
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.4 61.3
 148 65.5 32.0 96.0





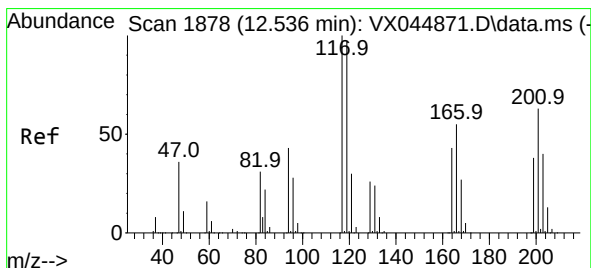
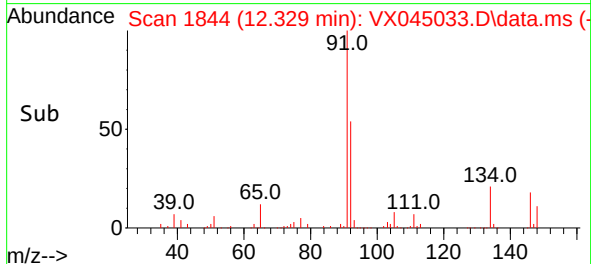
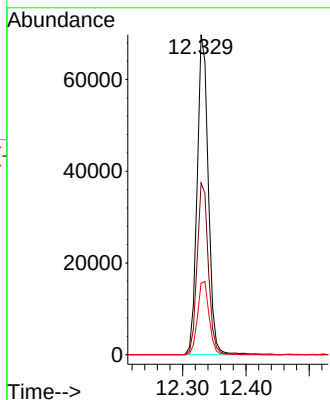
#89
n-Butylbenzene
Concen: 19.167 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01



Tgt Ion: 91 Resp: 85953

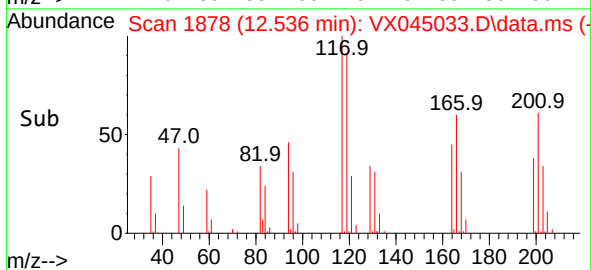
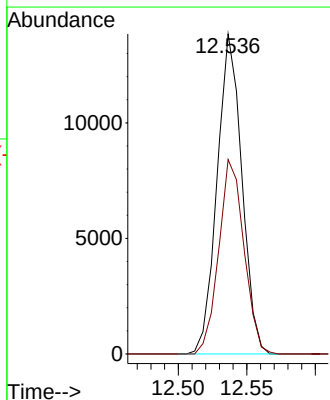
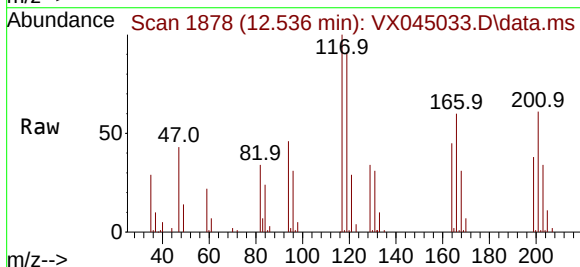
Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.2	81.6
134	23.7	12.1	36.3

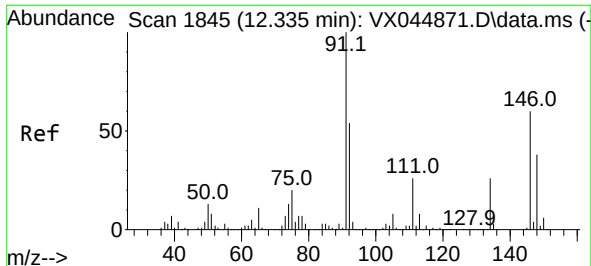


#90
Hexachloroethane
Concen: 18.298 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion: 117 Resp: 17367

Ion	Ratio	Lower	Upper
117	100		
201	61.9	32.5	97.5

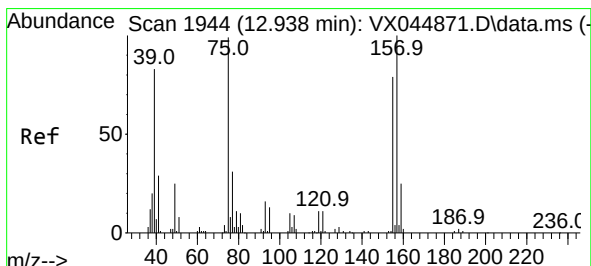
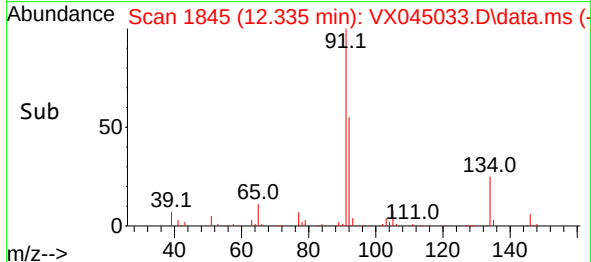
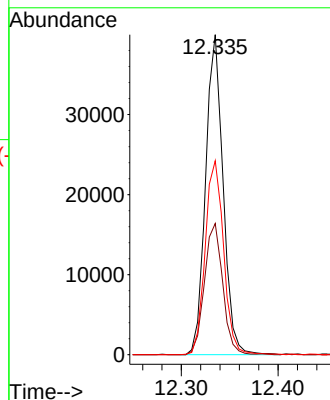
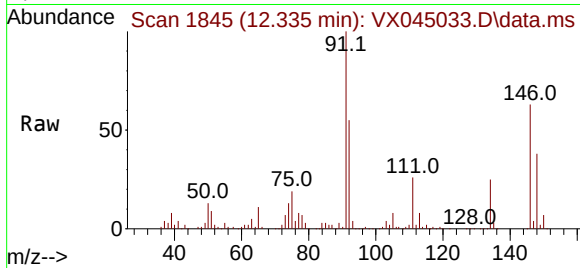




#91
1,2-Dichlorobenzene
Concen: 19.827 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

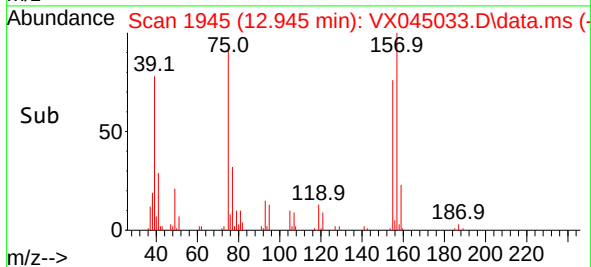
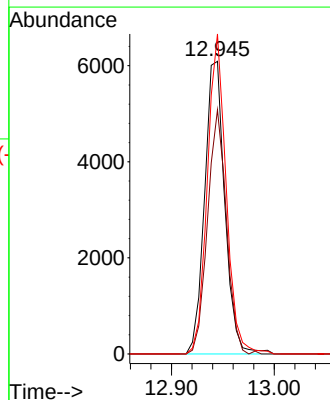
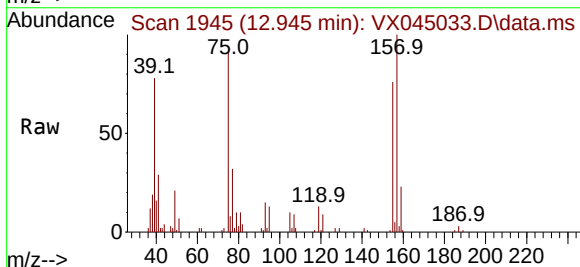
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

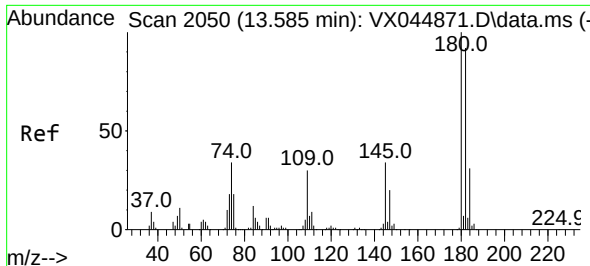
Tgt Ion:	146	Resp:	50374
Ion Ratio	Lower	Upper	
146	100		
111	42.9	21.8	65.4
148	63.9	31.9	95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 21.490 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:	75	Resp:	8357
Ion Ratio	Lower	Upper	
75	100		
155	77.8	40.5	121.4
157	101.2	51.4	154.3

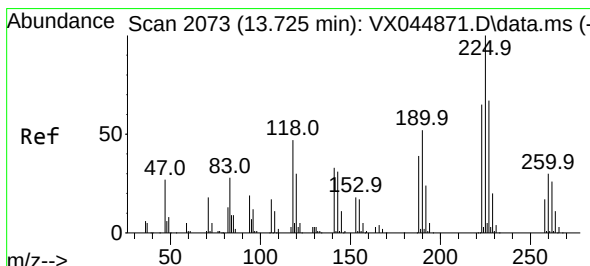
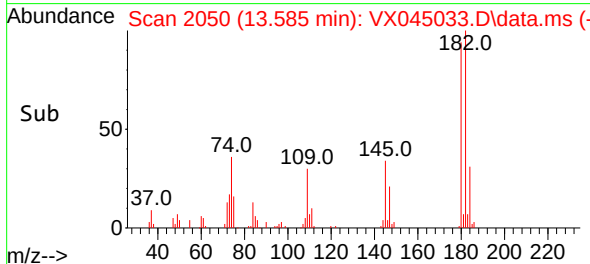
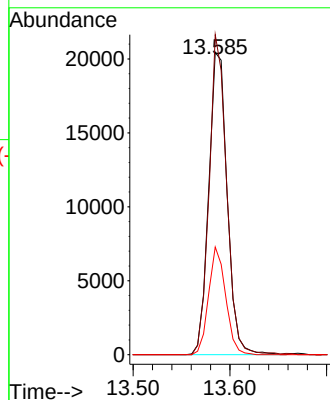
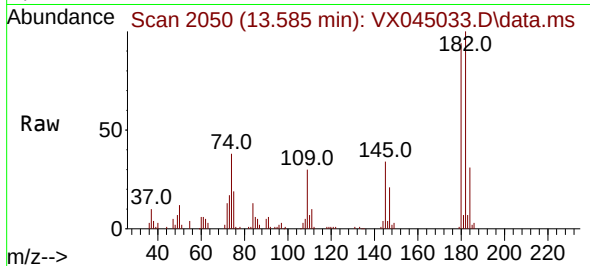




#93
 1,2,4-Trichlorobenzene
 Concen: 17.700 ug/l
 RT: 13.585 min Scan# 2050
 Delta R.T. 0.000 min
 Lab File: VX045033.D
 Acq: 25 Feb 2025 12:57

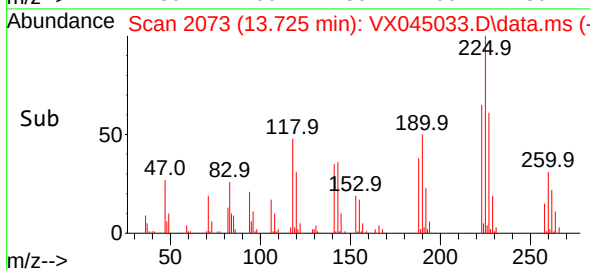
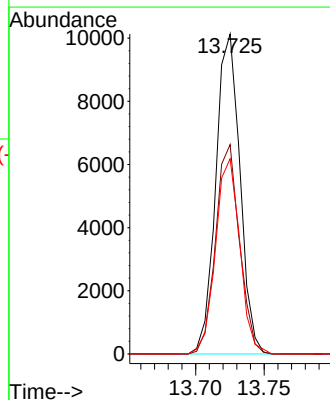
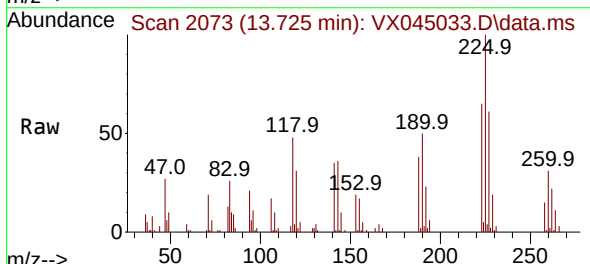
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0225WBSD01

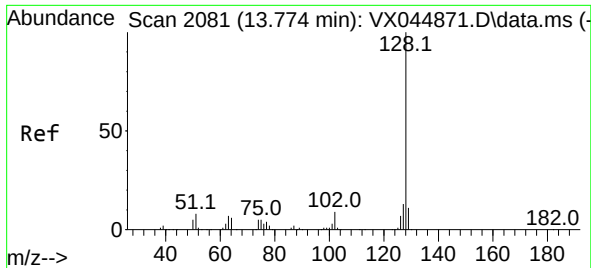
Tgt Ion:180	Resp:	27211
Ion Ratio	Lower	Upper
180	100	
182	100.1	47.6 142.8
145	32.9	16.4 49.1



#94
 Hexachlorobutadiene
 Concen: 20.303 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. 0.000 min
 Lab File: VX045033.D
 Acq: 25 Feb 2025 12:57

Tgt Ion:225	Resp:	12391
Ion Ratio	Lower	Upper
225	100	
223	64.9	31.4 94.2
227	61.4	32.3 96.8

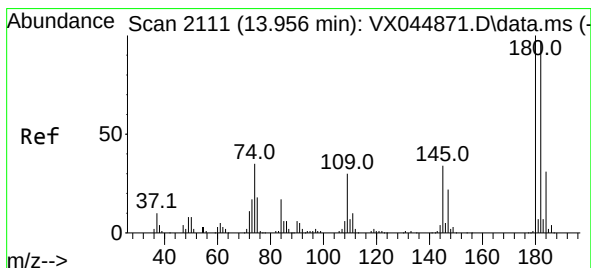
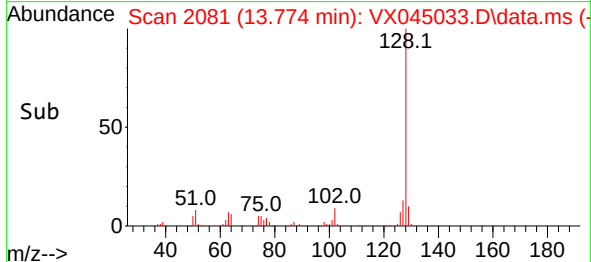
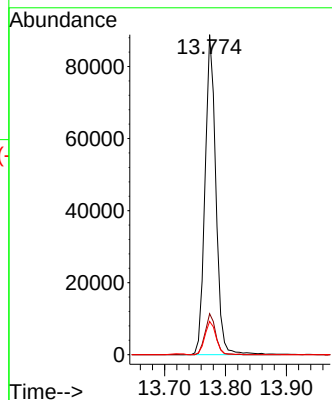
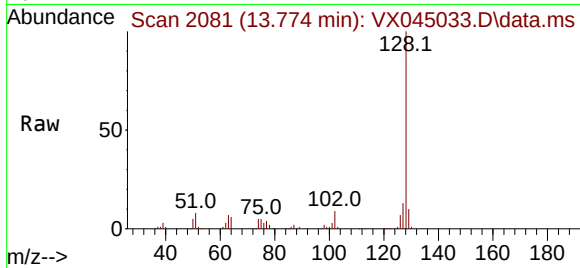




#95
Naphthalene
Concen: 19.794 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

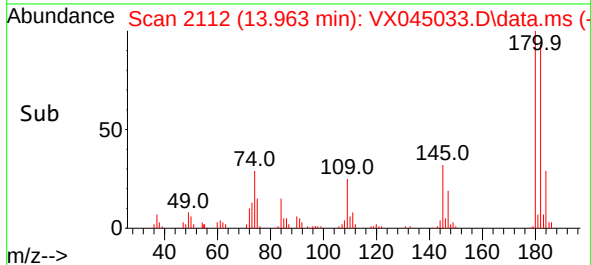
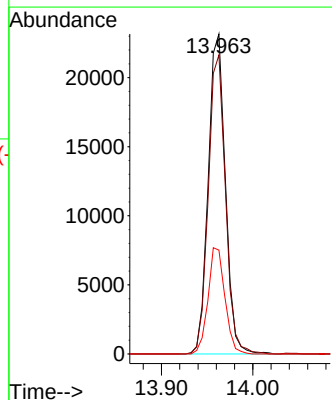
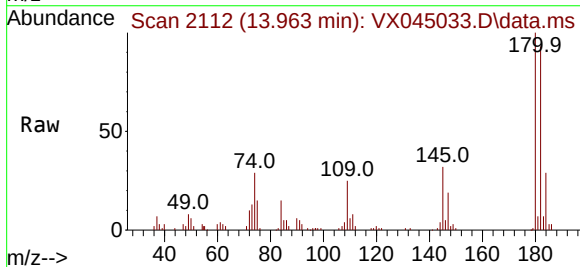
Instrument :
MSVOA_X
ClientSampleId :
VX0225WBSD01

Tgt Ion:128	Resp:	110004
Ion Ratio	Lower	Upper
128	100	
127	12.5	10.1 15.1
129	10.7	8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 19.444 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045033.D
Acq: 25 Feb 2025 12:57

Tgt Ion:180	Resp:	30122
Ion Ratio	Lower	Upper
180	100	
182	93.7	47.9 143.6
145	32.7	17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
 Data File : VX045042.D
 Acq On : 25 Feb 2025 16:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 26 03:18:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	101525	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181291	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	162818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	75432	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65263	43.914	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.820%
35) Dibromofluoromethane	5.385	113	52051	44.160	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.320%
50) Toluene-d8	8.647	98	189599	42.538	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	85.080%#
62) 4-Bromofluorobenzene	11.079	95	68375	45.505	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.000%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	67197	47.191	ug/l	99
3) Chloromethane	1.307	50	73673	42.510	ug/l	98
4) Vinyl Chloride	1.374	62	74122	44.148	ug/l	99
5) Bromomethane	1.593	94	26080	51.910	ug/l	97
6) Chloroethane	1.666	64	40050	65.667	ug/l	99
7) Trichlorofluoromethane	1.874	101	104892	49.402	ug/l	99
8) Diethyl Ether	2.130	74	38078	49.451	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	62754	48.918	ug/l	98
10) Methyl Iodide	2.440	142	67667	40.700	ug/l	98
11) Tert butyl alcohol	2.977	59	77483	281.037	ug/l	100
12) 1,1-Dichloroethene	2.306	96	59655	45.588	ug/l	95
13) Acrolein	2.233	56	72712	255.616	ug/l	99
14) Allyl chloride	2.654	41	113275	47.898	ug/l	97
15) Acrylonitrile	3.062	53	210213	285.568	ug/l	98
16) Acetone	2.386	43	178266	298.382	ug/l	97
17) Carbon Disulfide	2.501	76	142557	39.728	ug/l	100
18) Methyl Acetate	2.703	43	118283	62.739	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	202983	48.753	ug/l	99
20) Methylene Chloride	2.782	84	70354	48.077	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	59522	46.216	ug/l	95
22) Diisopropyl ether	3.757	45	227456	50.838	ug/l	94
23) Vinyl Acetate	3.721	43	923900	253.291	ug/l	99
24) 1,1-Dichloroethane	3.605	63	123599	49.371	ug/l	100
25) 2-Butanone	4.556	43	295559	304.657	ug/l	95
26) 2,2-Dichloropropane	4.465	77	83886	42.253	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	74648	48.253	ug/l	99
28) Bromochloromethane	4.891	49	55770	46.355	ug/l	99
29) Tetrahydrofuran	5.001	42	190035	294.997	ug/l	98
30) Chloroform	5.086	83	122880	50.613	ug/l	100
31) Cyclohexane	5.458	56	104875	45.441	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	101440	49.259	ug/l	98
36) 1,1-Dichloropropene	5.684	75	81048	47.660	ug/l	100
37) Ethyl Acetate	4.714	43	107870	57.029	ug/l	99
38) Carbon Tetrachloride	5.672	117	82597	49.565	ug/l	97
39) Methylcyclohexane	7.373	83	106224	48.316	ug/l	98
40) Benzene	6.031	78	261113	49.173	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
 Data File : VX045042.D
 Acq On : 25 Feb 2025 16:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 26 03:18:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	61329	60.575	ug/l	98
42) 1,2-Dichloroethane	6.080	62	92805	54.837	ug/l	99
43) Isopropyl Acetate	6.336	43	166895	54.640	ug/l	99
44) Trichloroethene	7.123	130	60229	49.623	ug/l	97
45) 1,2-Dichloropropane	7.427	63	66819	50.580	ug/l	99
46) Dibromomethane	7.580	93	48023	52.418	ug/l	99
47) Bromodichloromethane	7.818	83	95545	53.860	ug/l	98
48) Methyl methacrylate	7.690	41	84221	58.478	ug/l	96
49) 1,4-Dioxane	7.659	88	38186	1235.809	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	583086	314.005	ug/l	97
52) Toluene	8.714	92	159793	50.528	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	89317	49.754	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	100279	50.101	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	64638	53.170	ug/l	98
56) Ethyl methacrylate	9.116	69	107605	54.804	ug/l	98
57) 1,3-Dichloropropane	9.305	76	112282	52.787	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	247138	256.347	ug/l	100
59) 2-Hexanone	9.427	43	432203	323.037	ug/l	97
60) Dibromochloromethane	9.518	129	70395	54.145	ug/l	99
61) 1,2-Dibromoethane	9.610	107	65764	53.373	ug/l	97
64) Tetrachloroethene	9.269	164	49089	47.807	ug/l	98
65) Chlorobenzene	10.079	112	174998	50.041	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	57484	51.070	ug/l	99
67) Ethyl Benzene	10.189	91	307513	49.830	ug/l	99
68) m/p-Xylenes	10.299	106	229102	100.639	ug/l	100
69) o-Xylene	10.640	106	113531	49.701	ug/l	99
70) Styrene	10.652	104	193148	52.483	ug/l	99
71) Bromoform	10.799	173	46194	54.990	ug/l #	99
73) Isopropylbenzene	10.963	105	296079	48.748	ug/l	99
74) N-amyl acetate	10.841	43	143282	52.132	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	105710	50.649	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	111607	66.733	ug/l	83
77) Bromobenzene	11.195	156	68416	49.685	ug/l	97
78) n-propylbenzene	11.305	91	344974	49.208	ug/l	100
79) 2-Chlorotoluene	11.360	91	207089	48.064	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	239463	48.584	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	28287	43.508	ug/l	92
82) 4-Chlorotoluene	11.451	91	233290	48.941	ug/l	99
83) tert-Butylbenzene	11.713	119	247205	49.578	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	246524	50.676	ug/l	100
85) sec-Butylbenzene	11.890	105	311825	50.503	ug/l	100
86) p-Isopropyltoluene	12.006	119	252793	50.912	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	123315	48.698	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	124506	48.630	ug/l	100
89) n-Butylbenzene	12.329	91	229601	52.268	ug/l	99
90) Hexachloroethane	12.536	117	44121	47.456	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	123772	49.733	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21247	55.778	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	75398	50.067	ug/l	98
94) Hexachlorobutadiene	13.725	225	31425	52.565	ug/l	98
95) Naphthalene	13.774	128	282517	51.898	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	76093	50.145	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022525\
Data File : VX045042.D
Acq On : 25 Feb 2025 16:28
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

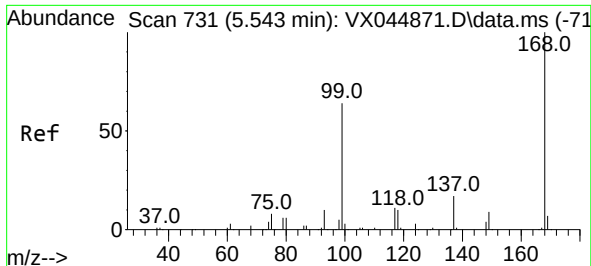
Instrument :
MSVOA_X
ClientSampleId :
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Quant Time: Feb 26 03:18:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 11 03:41:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

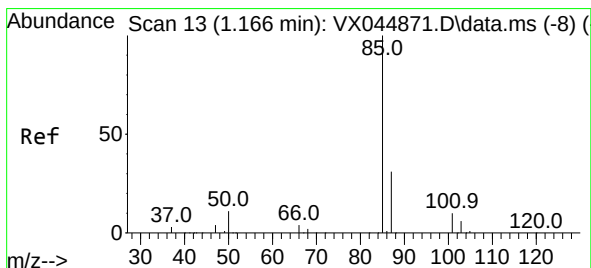
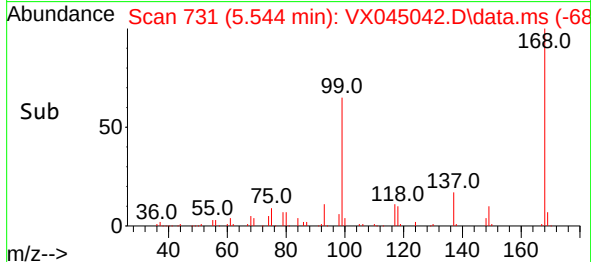
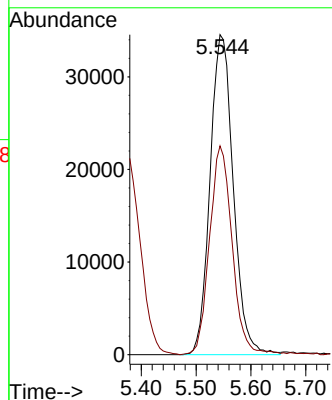
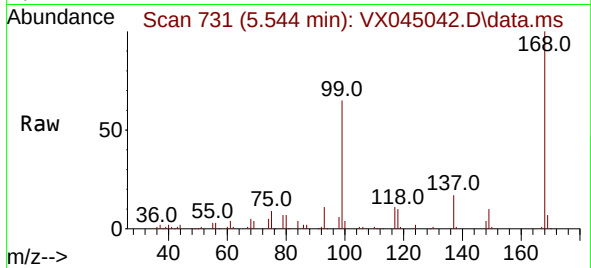
- 1
- 2
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- 9
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- 15
- 16
- 17



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

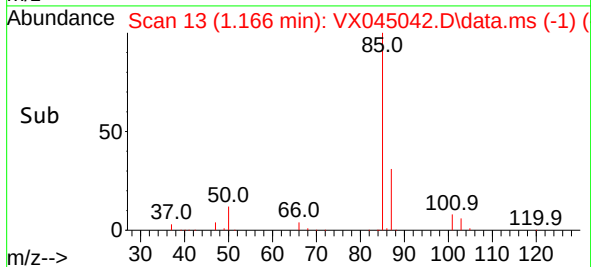
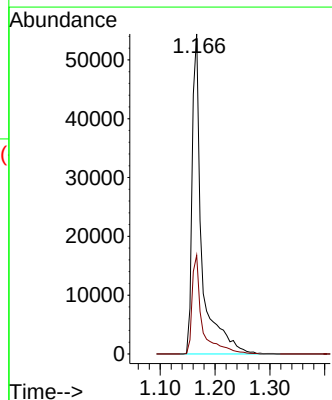
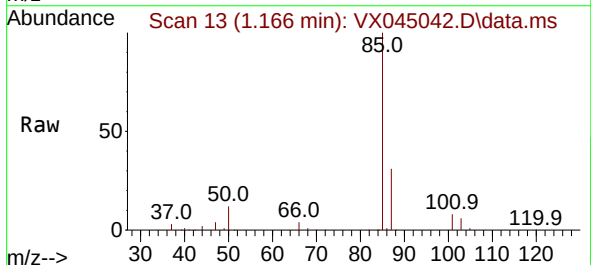
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

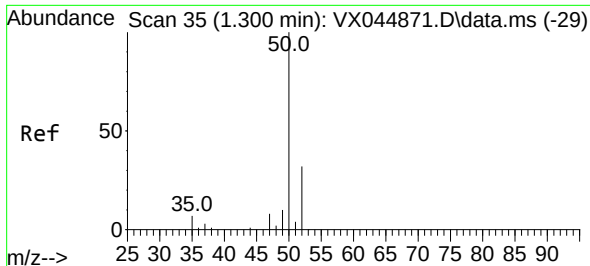
Tgt Ion:168 Resp: 101525
Ion Ratio Lower Upper
168 100
99 65.2 51.2 76.8



#2
Dichlorodifluoromethane
Concen: 47.191 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 85 Resp: 67197
Ion Ratio Lower Upper
85 100
87 30.9 15.8 47.3

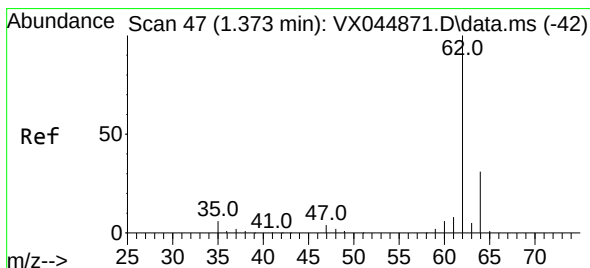
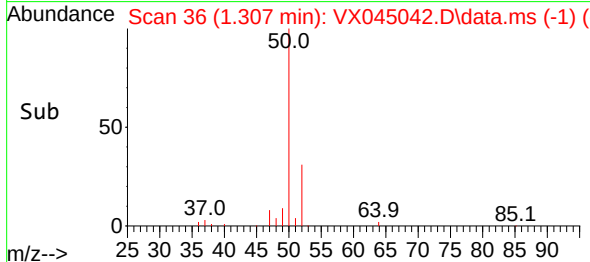
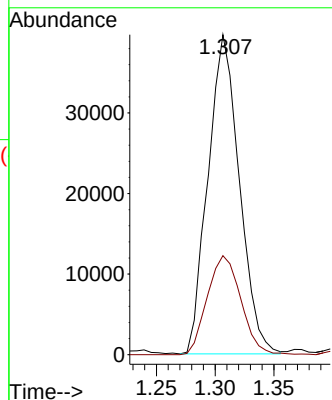
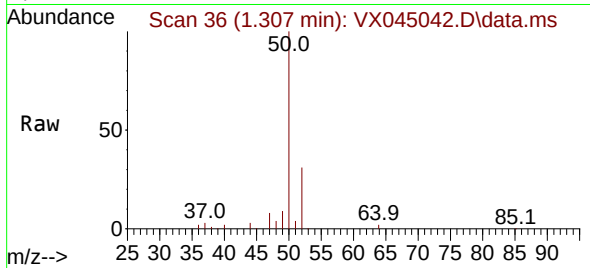




#3
Chloromethane
Concen: 42.510 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

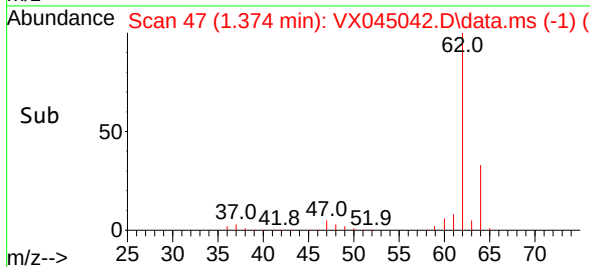
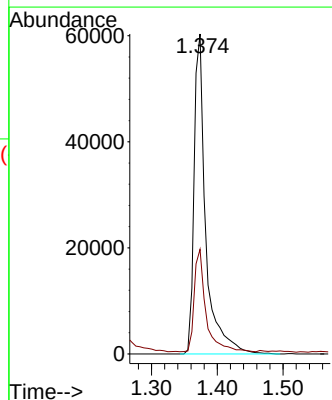
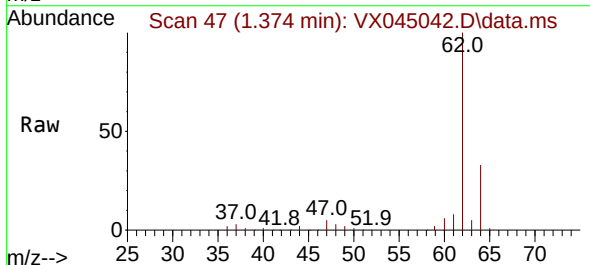
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

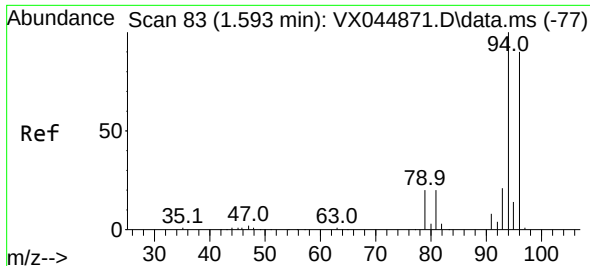
Tgt Ion: 50 Resp: 73673
Ion Ratio Lower Upper
50 100
52 31.0 25.9 38.9



#4
Vinyl Chloride
Concen: 44.148 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 62 Resp: 74122
Ion Ratio Lower Upper
62 100
64 32.0 25.4 38.0

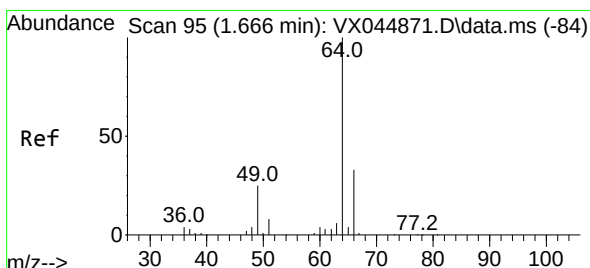
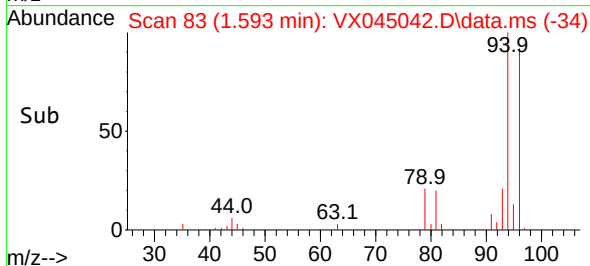
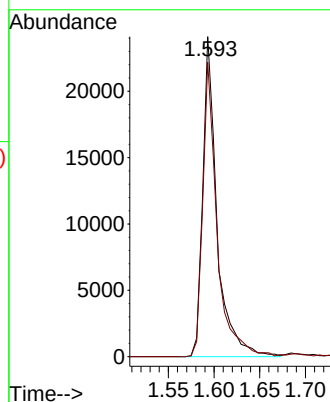
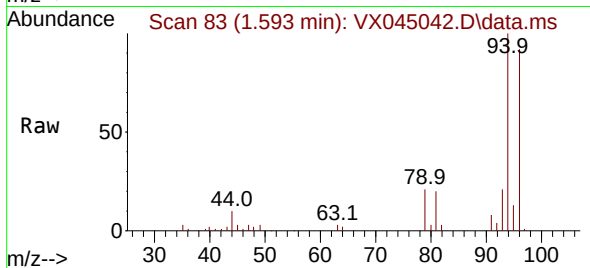




#5
Bromomethane
Concen: 51.910 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

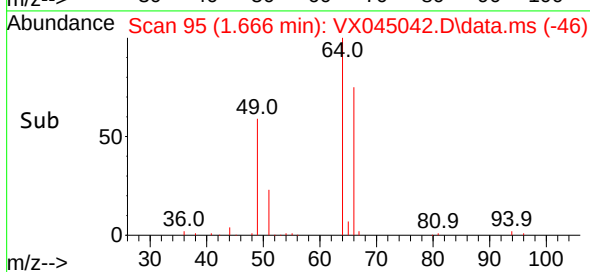
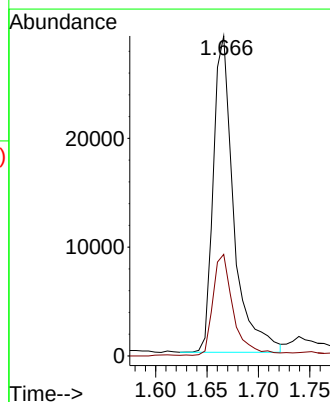
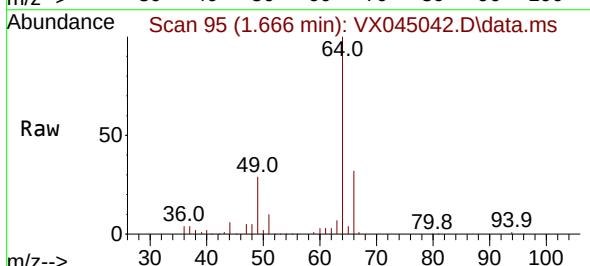
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

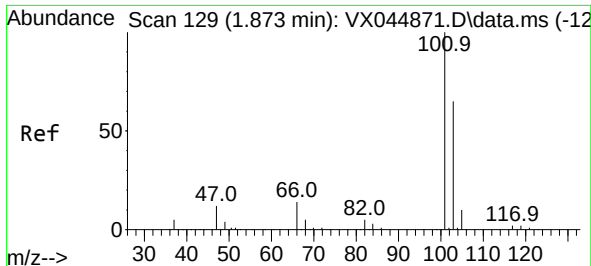
Tgt Ion: 94 Resp: 26080
Ion Ratio Lower Upper
94 100
96 92.1 71.6 107.4



#6
Chloroethane
Concen: 65.667 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 64 Resp: 40050
Ion Ratio Lower Upper
64 100
66 32.0 25.9 38.9

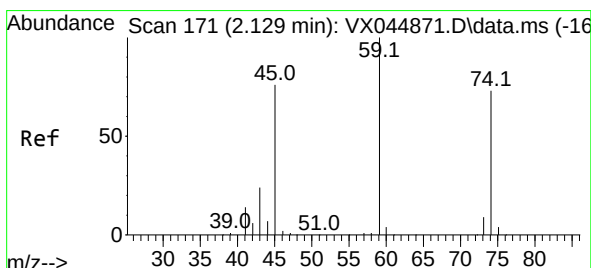
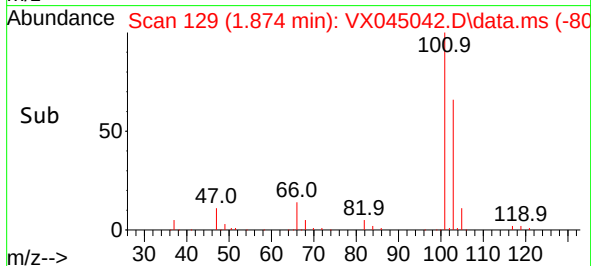
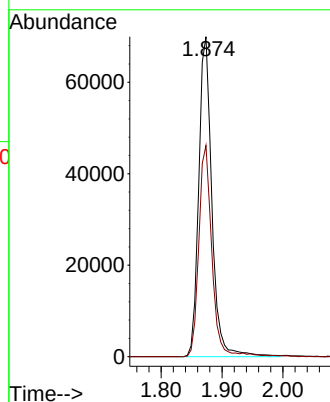
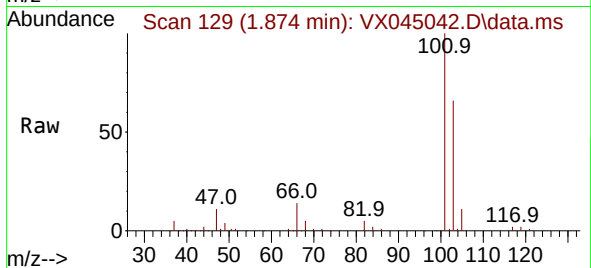




#7
 Trichlorofluoromethane
 Concen: 49.402 ug/l
 RT: 1.874 min Scan# 11
 Delta R.T. 0.001 min
 Lab File: VX045042.D
 Acq: 25 Feb 2025 16:28

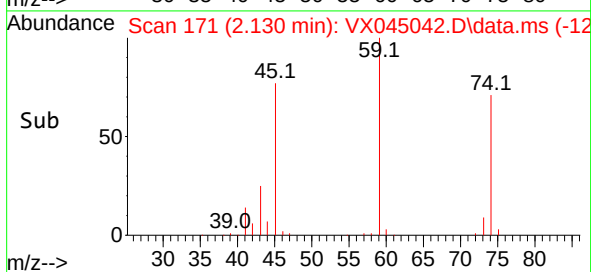
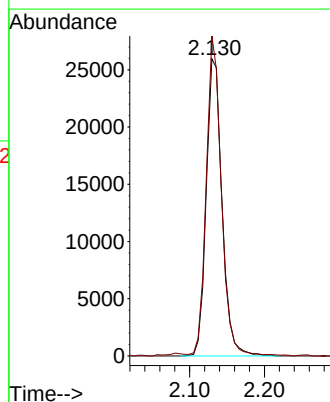
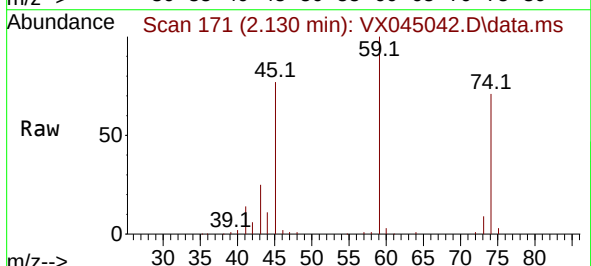
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

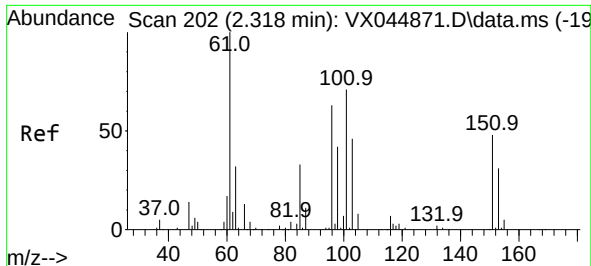
Tgt Ion:101 Resp: 104892
 Ion Ratio Lower Upper
 101 100
 103 66.0 52.4 78.6



#8
 Diethyl Ether
 Concen: 49.451 ug/l
 RT: 2.130 min Scan# 171
 Delta R.T. 0.001 min
 Lab File: VX045042.D
 Acq: 25 Feb 2025 16:28

Tgt Ion: 74 Resp: 38078
 Ion Ratio Lower Upper
 74 100
 45 103.7 51.1 153.4

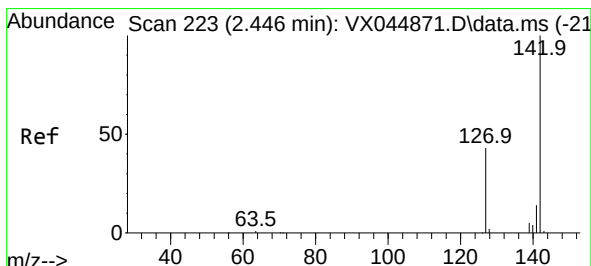
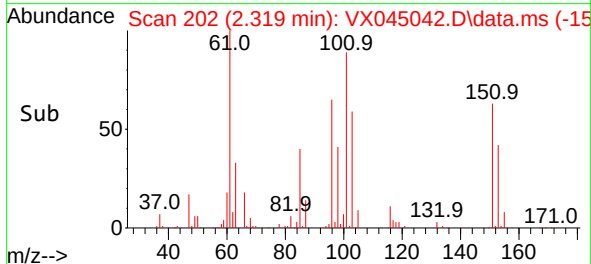
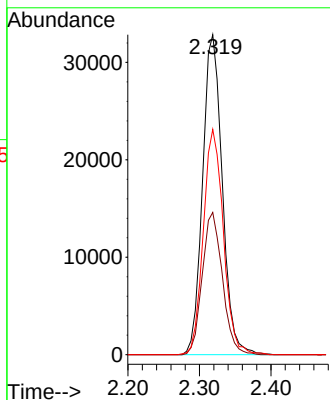
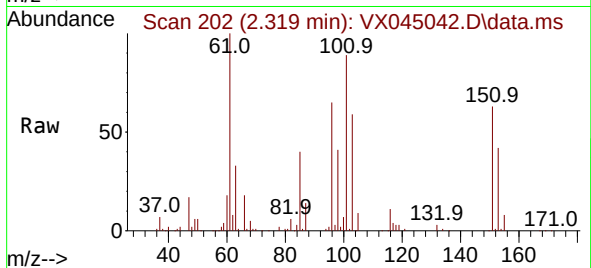




#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.918 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

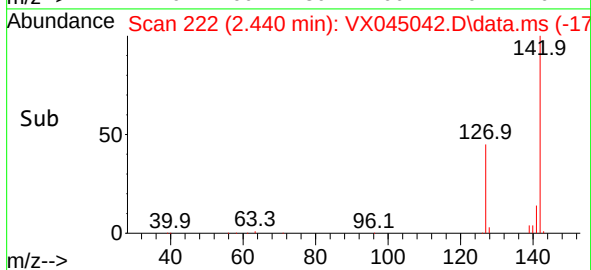
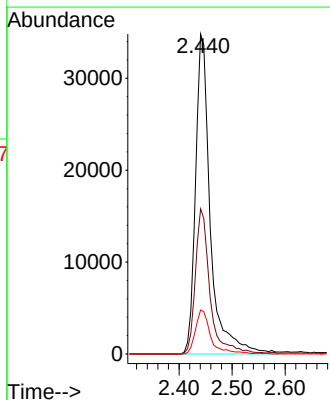
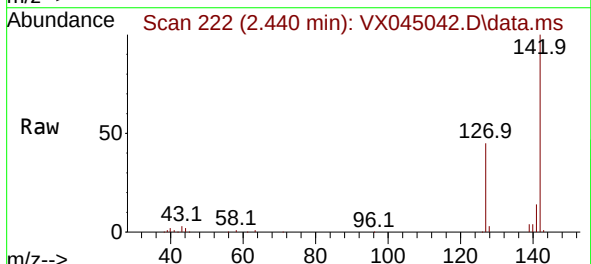
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

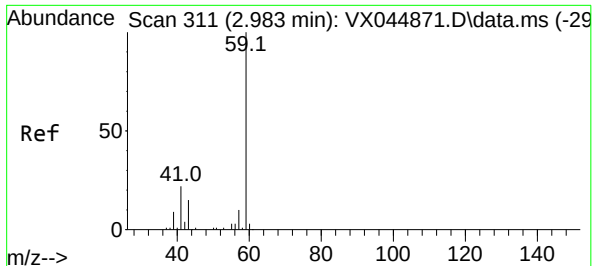
Tgt Ion:101 Resp: 62754
Ion Ratio Lower Upper
101 100
85 45.5 35.7 53.5
151 71.9 56.0 84.0



#10
Methyl Iodide
Concen: 40.700 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:142 Resp: 67667
Ion Ratio Lower Upper
142 100
127 44.7 34.3 51.5
141 14.1 11.4 17.2

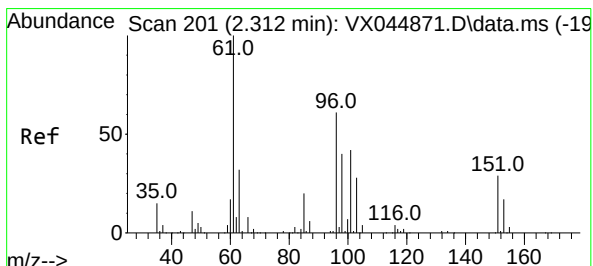
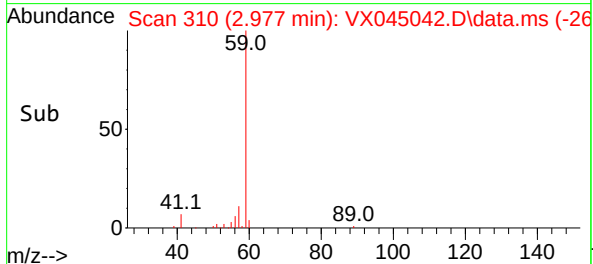
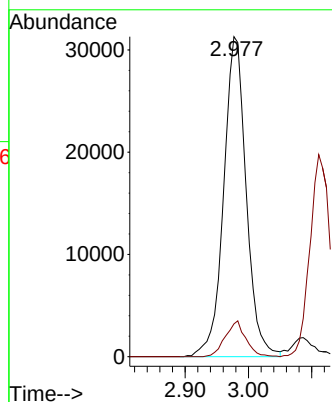
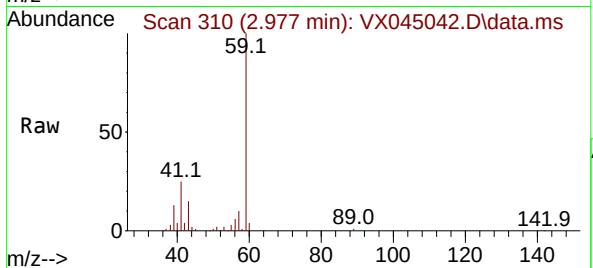




#11
Tert butyl alcohol
Concen: 281.037 ug/l
RT: 2.977 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

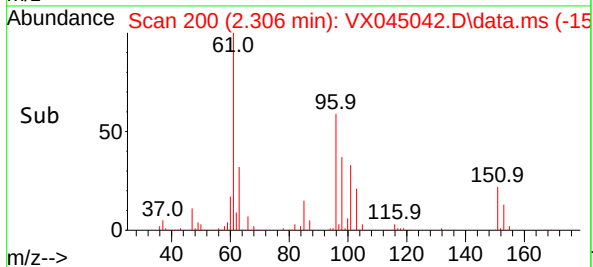
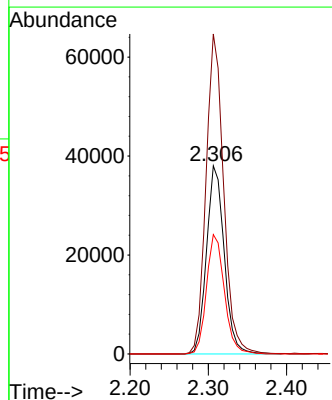
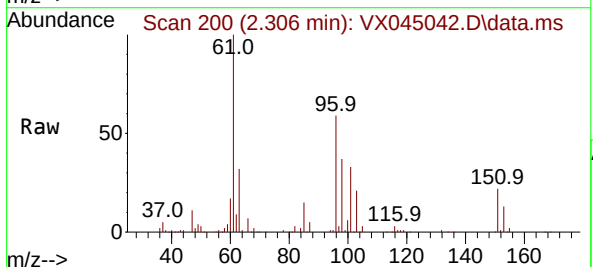
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

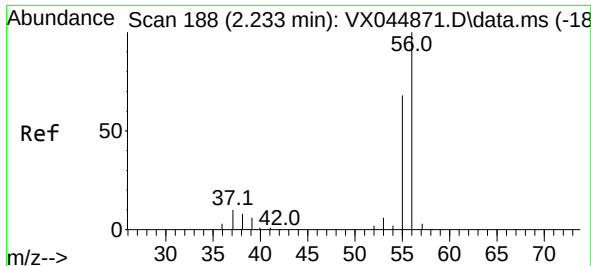
Tgt Ion: 59 Resp: 77483
Ion Ratio Lower Upper
59 100
57 10.1 8.1 12.1



#12
1,1-Dichloroethene
Concen: 45.588 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 96 Resp: 59655
Ion Ratio Lower Upper
96 100
61 170.1 130.2 195.4
98 63.4 52.2 78.4

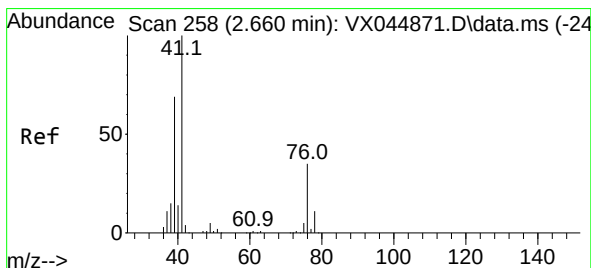
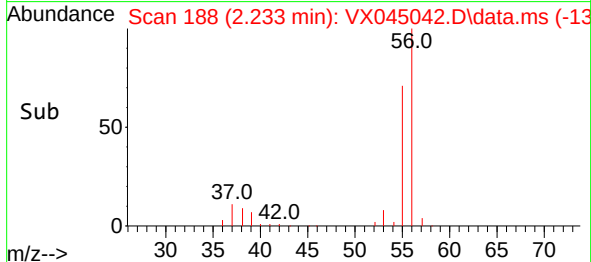
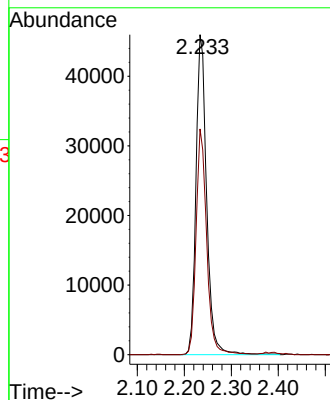
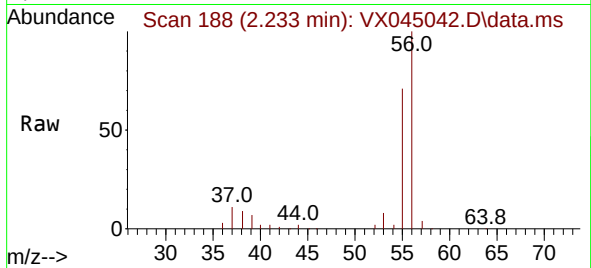




#13
Acrolein
Concen: 255.616 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

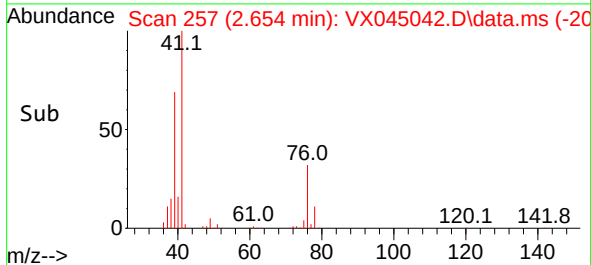
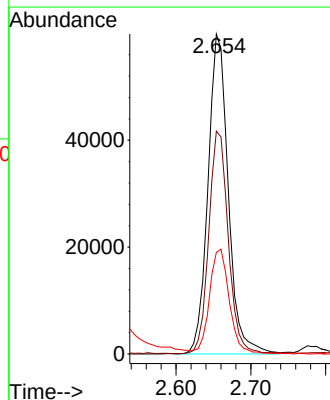
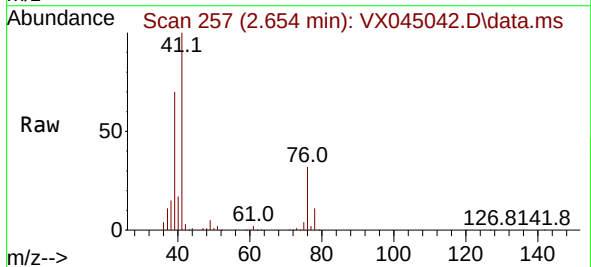
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

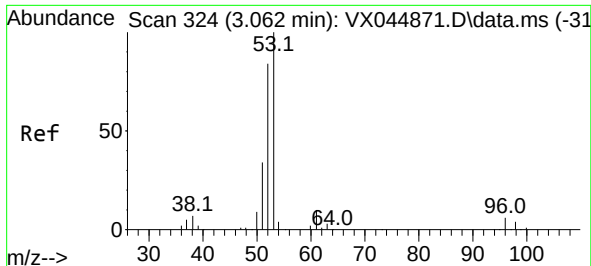
Tgt Ion: 56 Resp: 72712
Ion Ratio Lower Upper
56 100
55 70.4 55.7 83.5



#14
Allyl chloride
Concen: 47.898 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 41 Resp: 113275
Ion Ratio Lower Upper
41 100
39 66.5 51.4 77.2
76 32.2 27.0 40.4

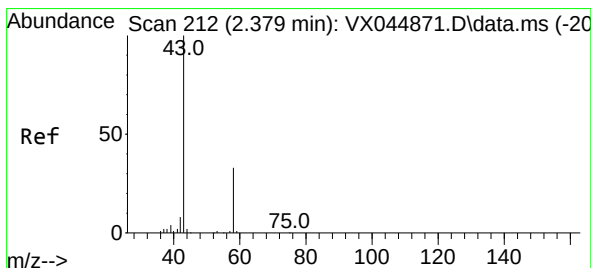
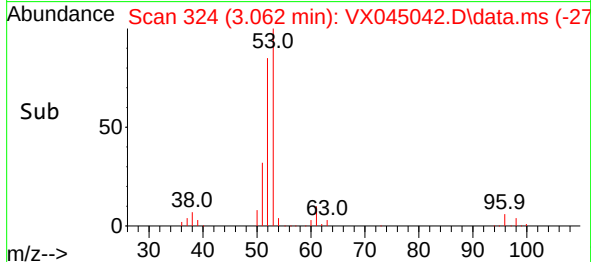
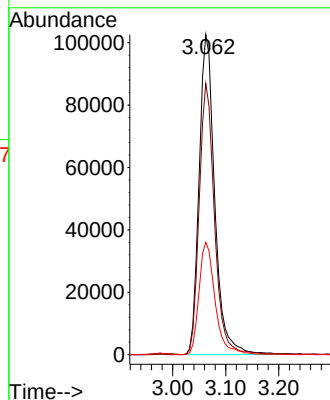
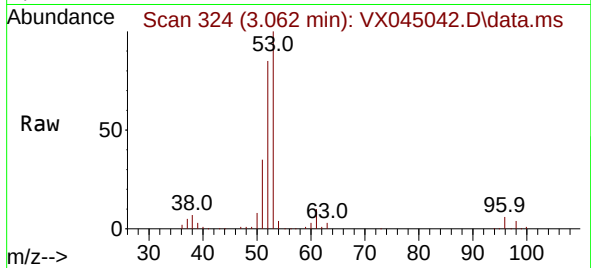




#15
Acrylonitrile
Concen: 285.568 ug/l
RT: 3.062 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

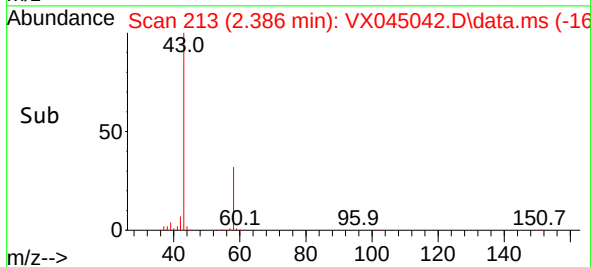
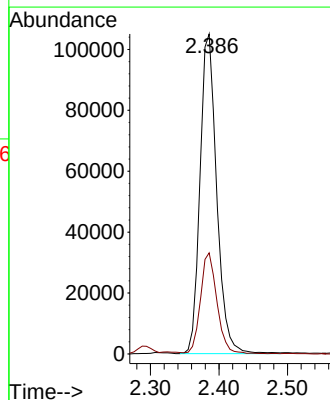
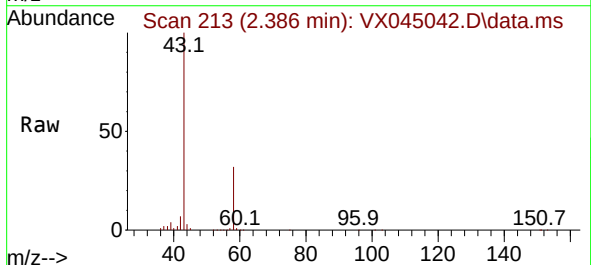
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

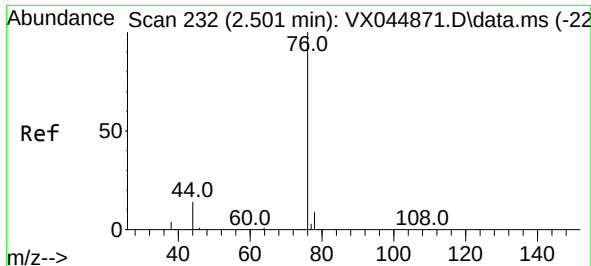
Tgt Ion:	53	Resp:	210213
Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.0	97.6
51	36.4	28.0	42.0



#16
Acetone
Concen: 298.382 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:	43	Resp:	178266
Ion	Ratio	Lower	Upper
43	100		
58	31.5	26.5	39.7

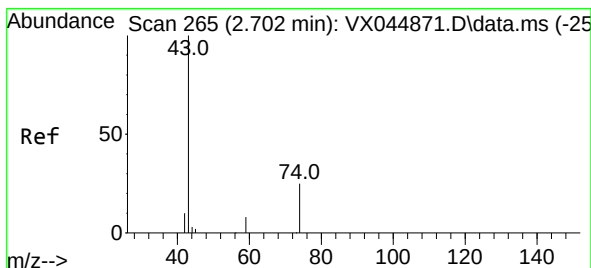
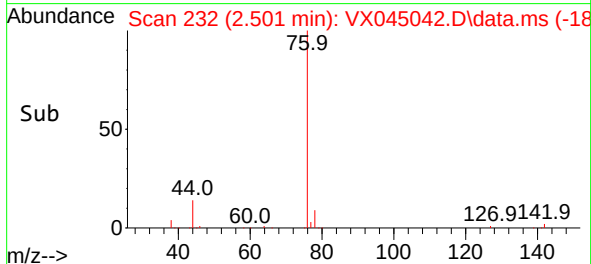
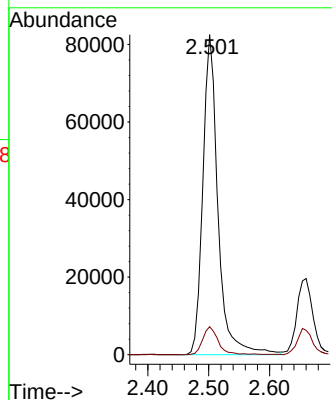
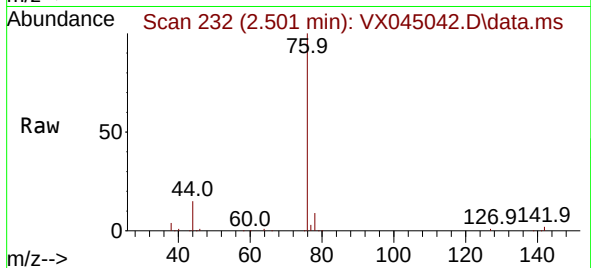




#17
Carbon Disulfide
Concen: 39.728 ug/l
RT: 2.501 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

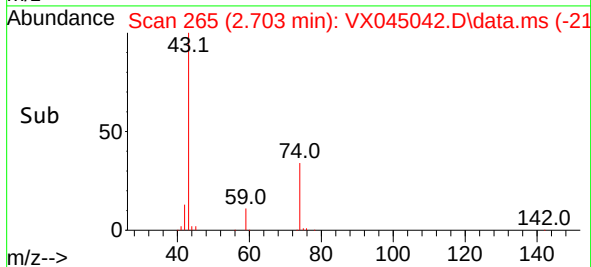
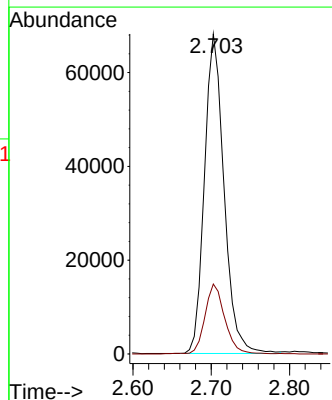
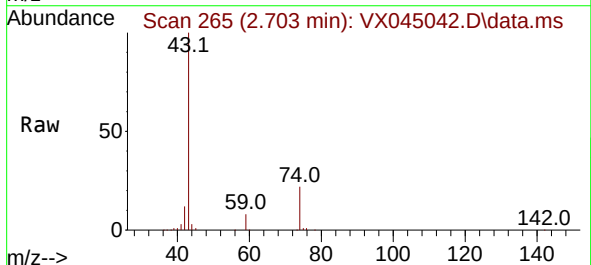
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

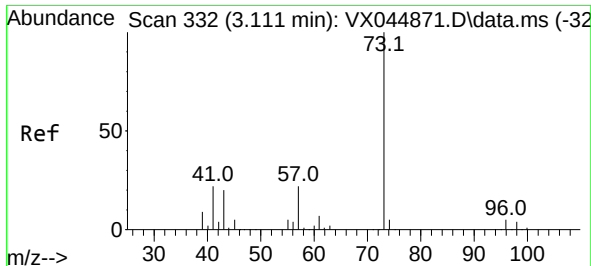
Tgt Ion: 76 Resp: 142557
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4



#18
Methyl Acetate
Concen: 62.739 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 43 Resp: 118283
Ion Ratio Lower Upper
43 100
74 22.2 18.9 28.3

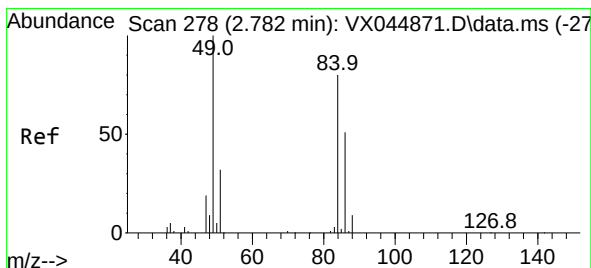
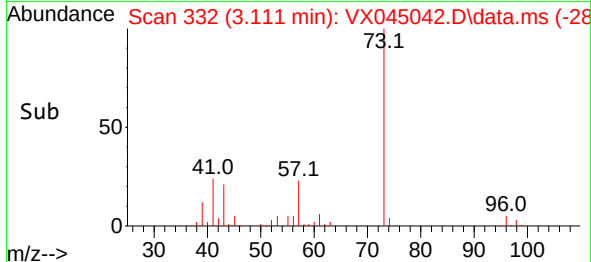
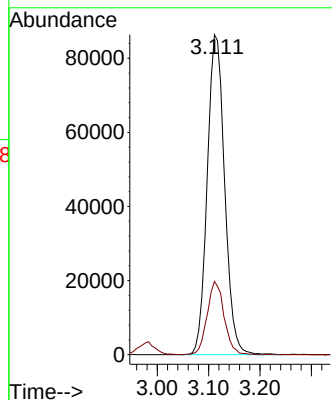
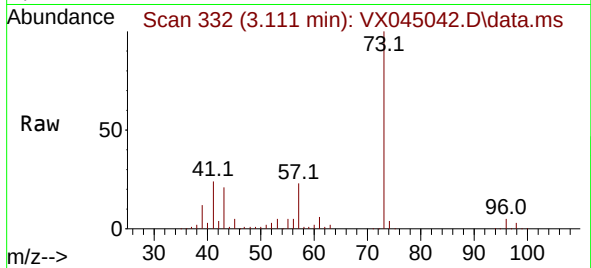




#19
Methyl tert-butyl Ether
Concen: 48.753 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

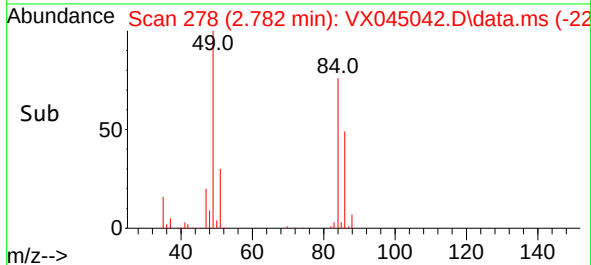
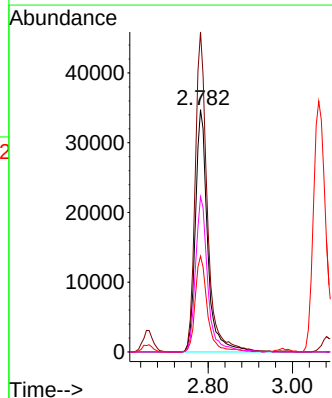
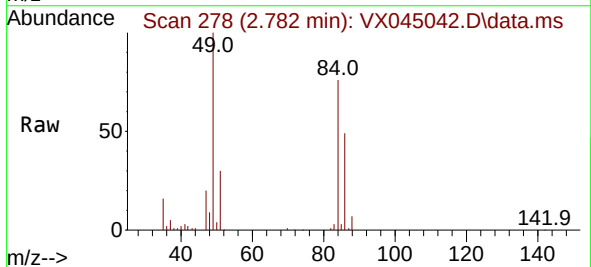
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

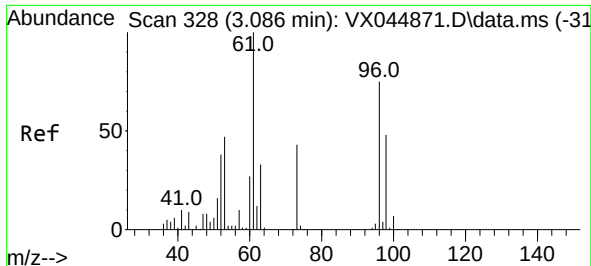
Tgt Ion: 73 Resp: 202983
Ion Ratio Lower Upper
73 100
57 22.9 17.9 26.9



#20
Methylene Chloride
Concen: 48.077 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 84 Resp: 70354
Ion Ratio Lower Upper
84 100
49 132.1 100.1 150.1
51 39.6 31.7 47.5
86 64.1 50.8 76.2

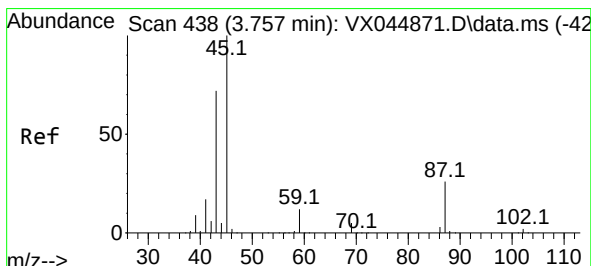
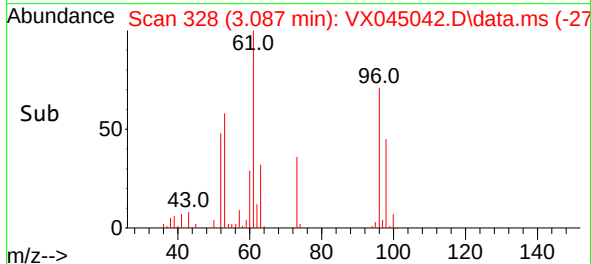
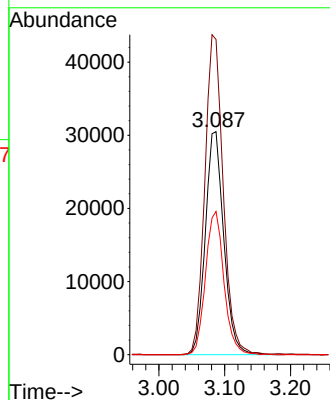
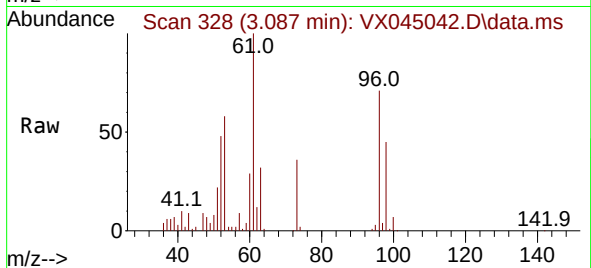




#21
trans-1,2-Dichloroethene
Concen: 46.216 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

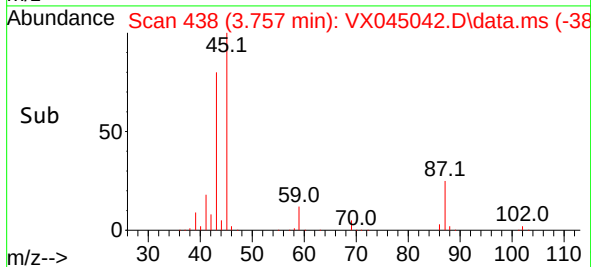
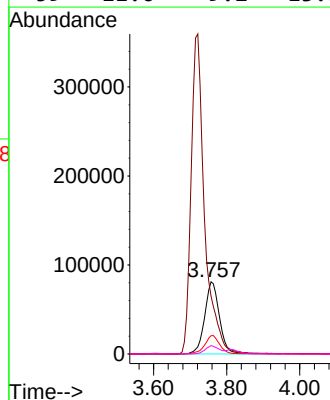
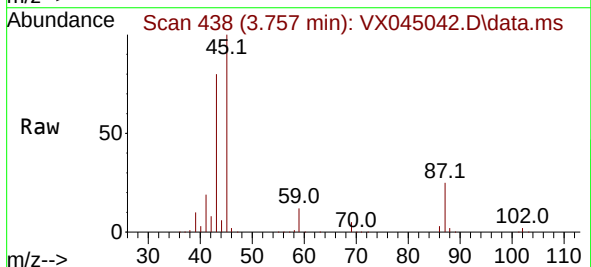
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

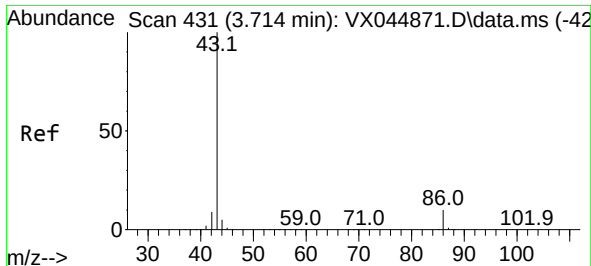
Tgt Ion: 96 Resp: 59522
Ion Ratio Lower Upper
96 100
61 141.3 106.0 159.0
98 64.2 50.6 76.0



#22
Diisopropyl ether
Concen: 50.838 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 45 Resp: 227456
Ion Ratio Lower Upper
45 100
43 79.6 58.0 87.0
87 25.2 20.7 31.1
59 11.6 9.2 13.8

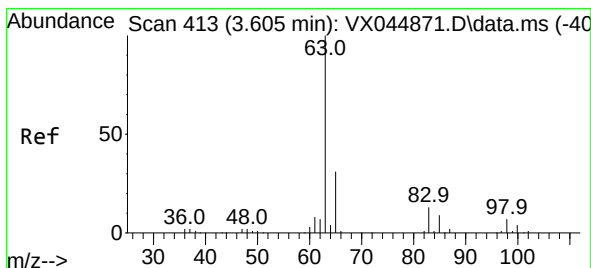
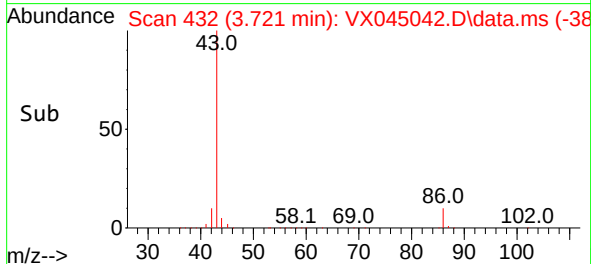
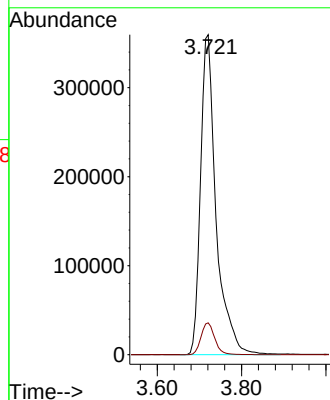
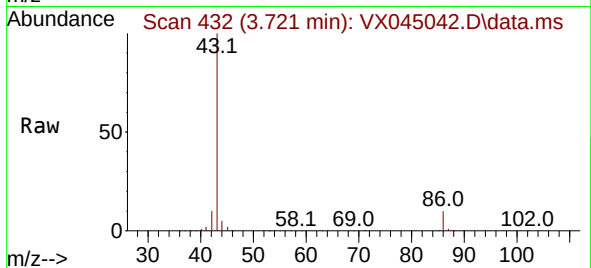




#23
Vinyl Acetate
Concen: 253.291 ug/l
RT: 3.721 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

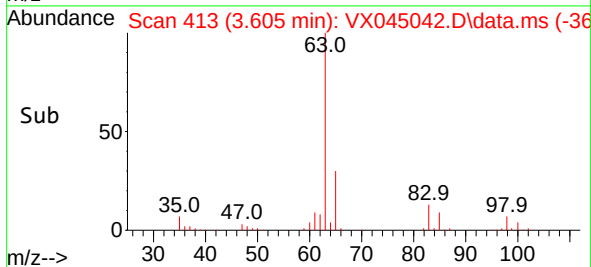
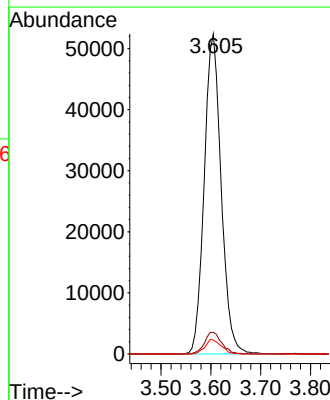
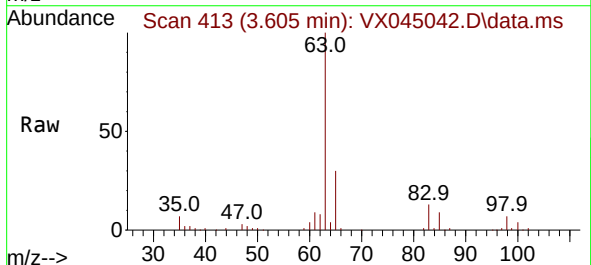
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

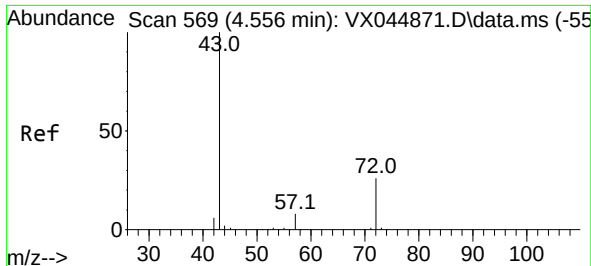
Tgt Ion: 43 Resp: 923900
Ion Ratio Lower Upper
43 100
86 10.0 8.3 12.5



#24
1,1-Dichloroethane
Concen: 49.371 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 63 Resp: 123599
Ion Ratio Lower Upper
63 100
98 6.8 3.3 9.9
100 4.4 2.1 6.5





#25

2-Butanone

Concen: 304.657 ug/l

RT: 4.556 min Scan# 5

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

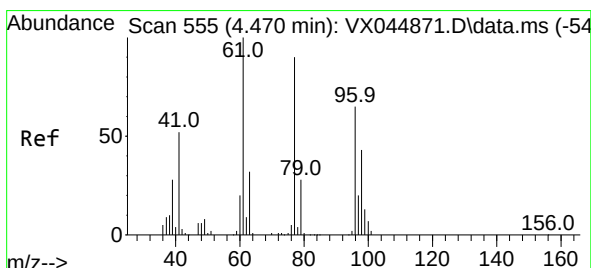
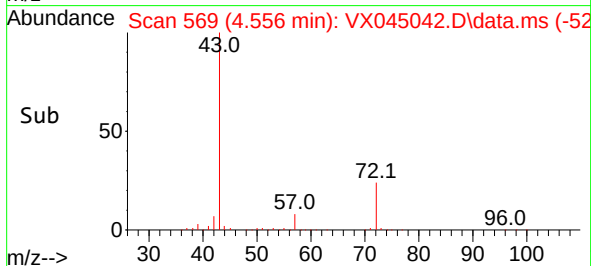
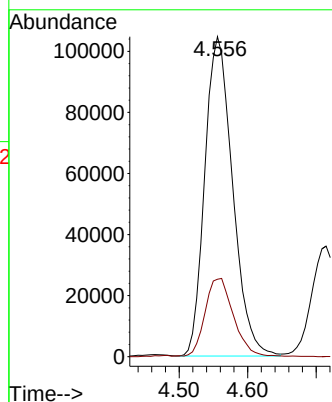
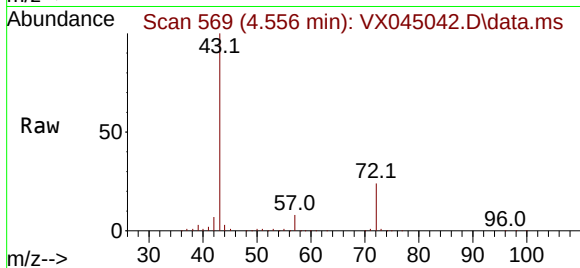
VSTDCCC050EC

Tgt Ion: 43 Resp: 295559

Ion Ratio Lower Upper

43 100

72 24.0 21.2 31.8



#26

2,2-Dichloropropane

Concen: 42.253 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.006 min

Lab File: VX045042.D

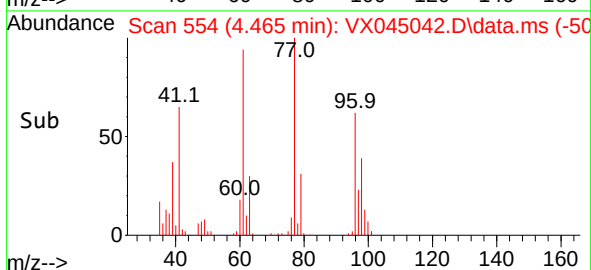
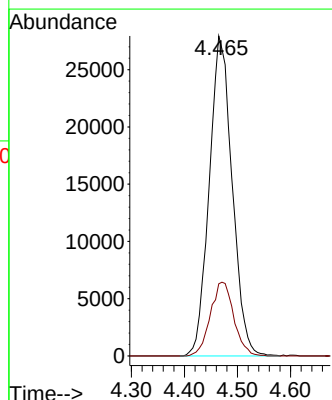
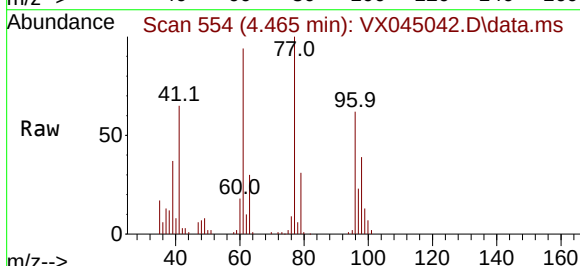
Acq: 25 Feb 2025 16:28

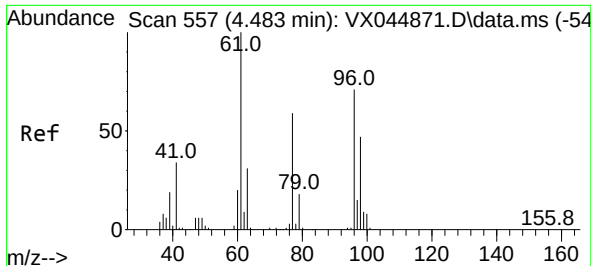
Tgt Ion: 77 Resp: 83886

Ion Ratio Lower Upper

77 100

97 23.6 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 48.253 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

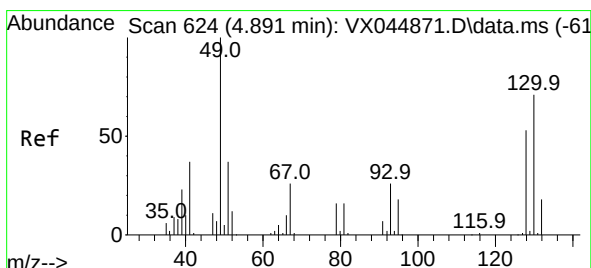
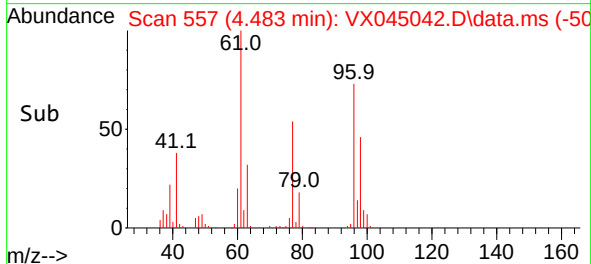
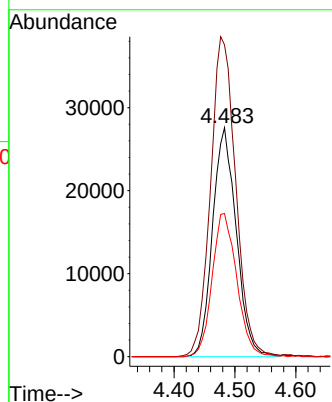
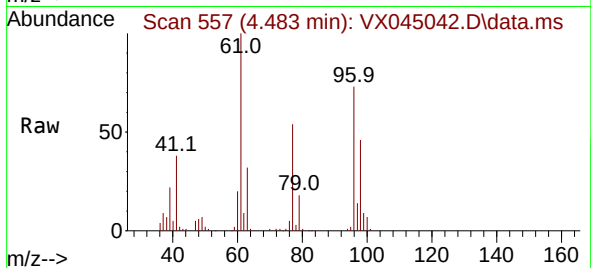
Tgt Ion: 96 Resp: 74648

Ion Ratio Lower Upper

96 100

61 148.2 0.0 294.0

98 65.0 0.0 131.2



#28

Bromochloromethane

Concen: 46.355 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

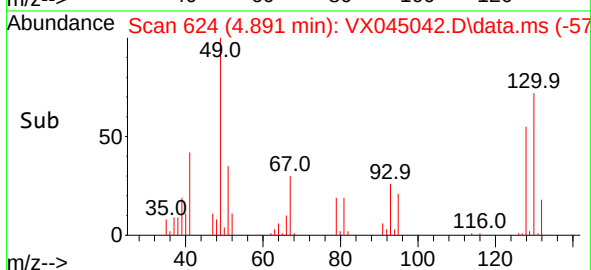
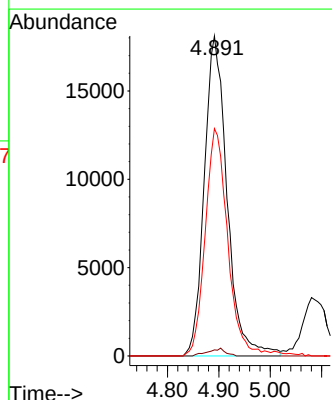
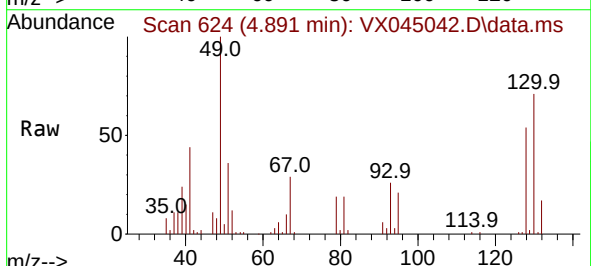
Tgt Ion: 49 Resp: 55770

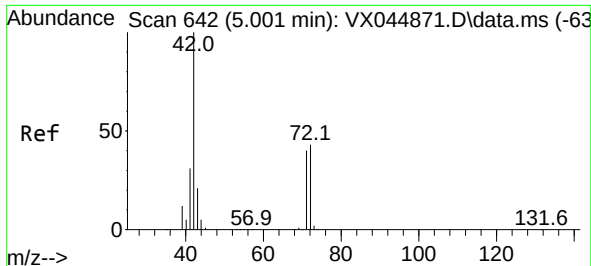
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 69.8 56.7 85.1





#29

Tetrahydrofuran

Concen: 294.997 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

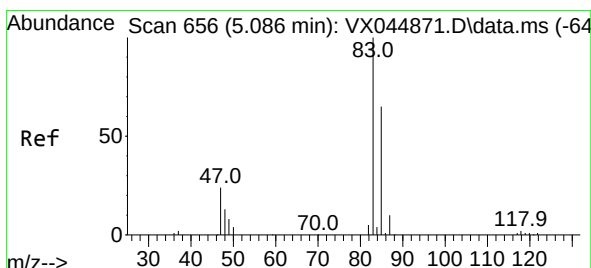
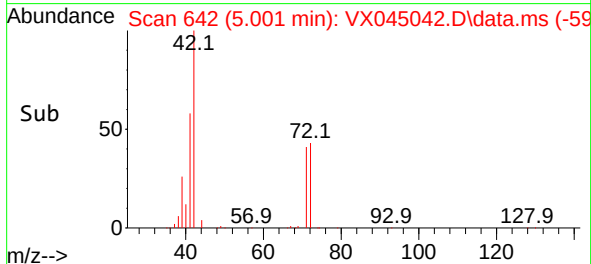
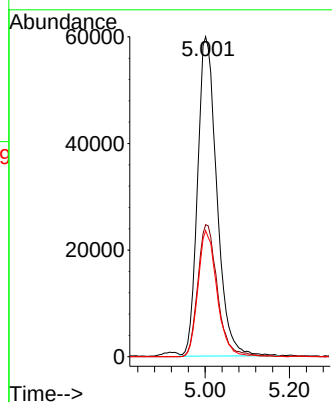
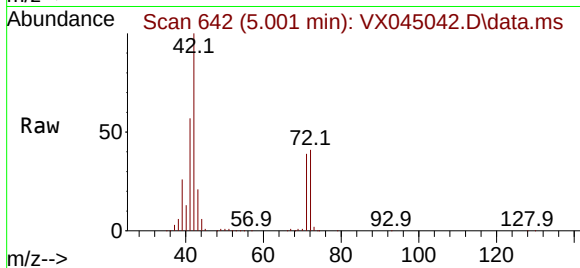
Tgt Ion: 42 Resp: 190035

Ion Ratio Lower Upper

42 100

72 42.5 35.0 52.4

71 39.1 32.6 48.8



#30

Chloroform

Concen: 50.613 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX045042.D

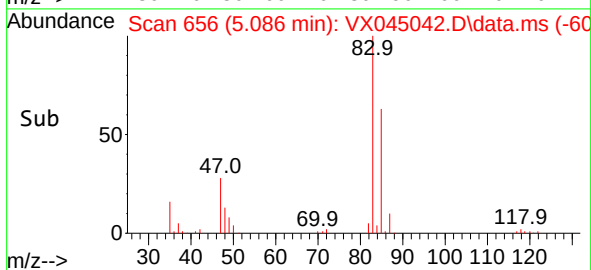
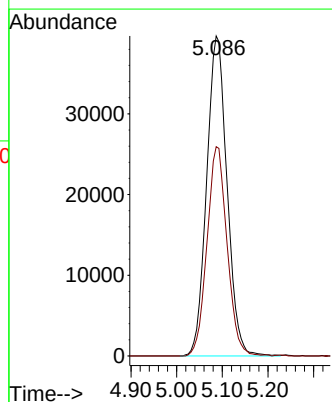
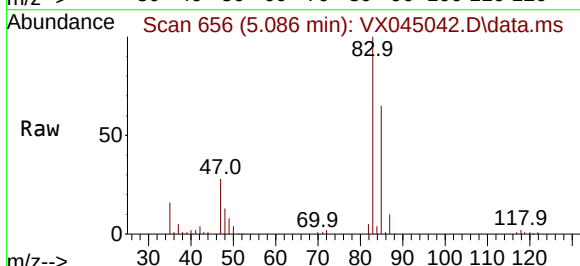
Acq: 25 Feb 2025 16:28

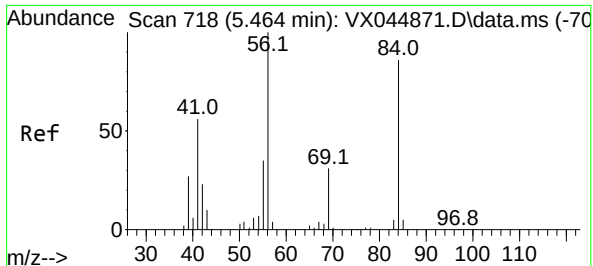
Tgt Ion: 83 Resp: 122880

Ion Ratio Lower Upper

83 100

85 65.4 52.1 78.1

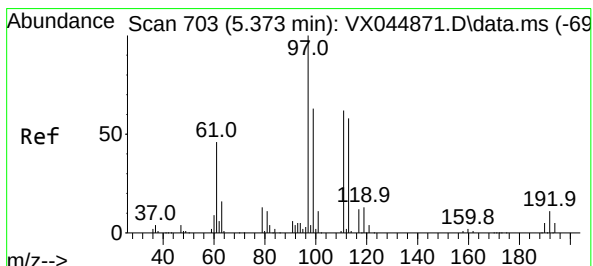
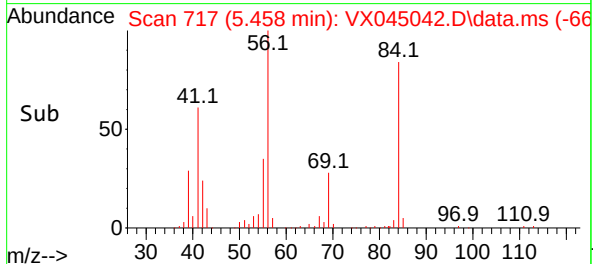
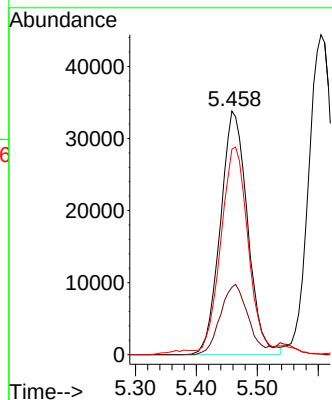
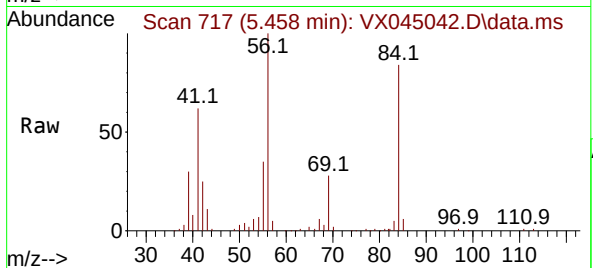




#31
Cyclohexane
Concen: 45.441 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

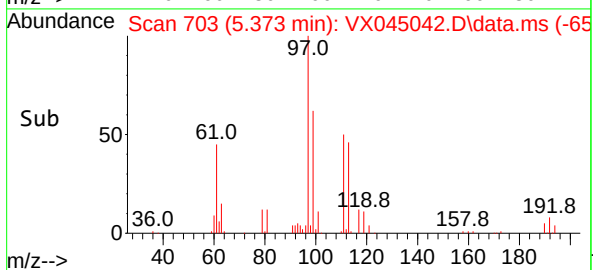
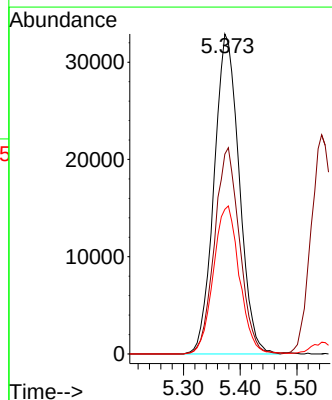
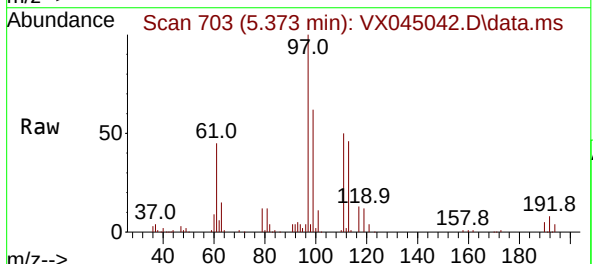
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

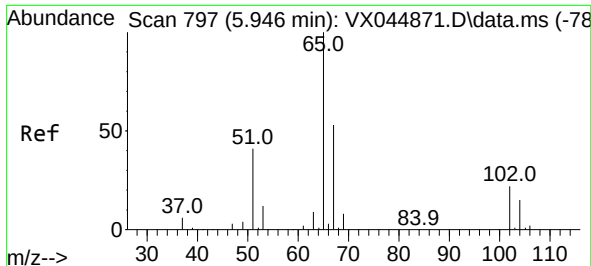
Tgt Ion:	56	Resp:	104875
Ion	Ratio	Lower	Upper
56	100		
69	27.7	24.4	36.6
84	83.0	69.0	103.6



#32
1,1,1-Trichloroethane
Concen: 49.259 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:	97	Resp:	101440
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.6
61	48.0	36.6	55.0





#33

1,2-Dichloroethane-d4

Concen: 43.914 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

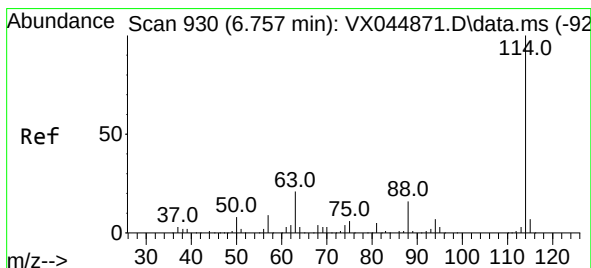
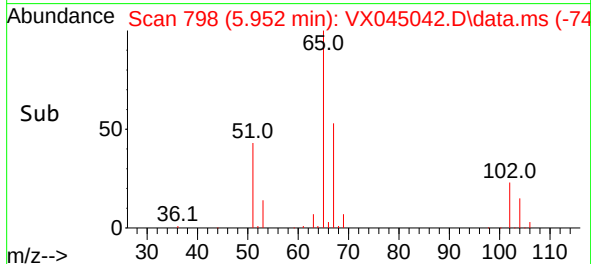
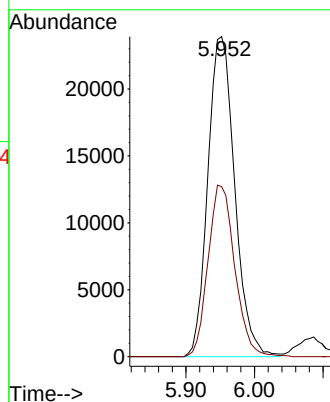
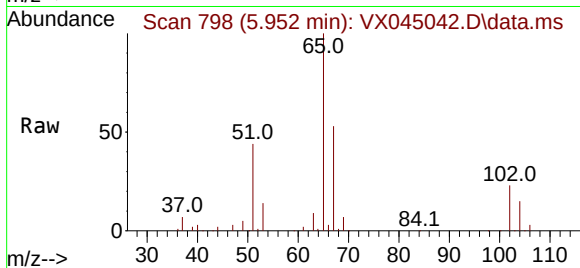
VSTDCCC050EC

Tgt Ion: 65 Resp: 65263

Ion Ratio Lower Upper

65 100

67 53.3 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

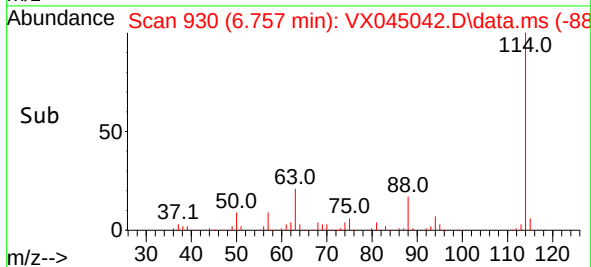
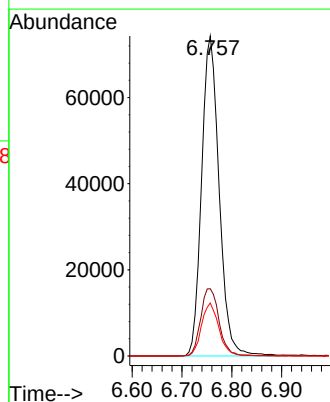
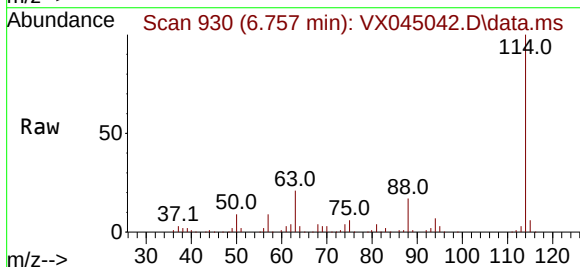
Tgt Ion: 114 Resp: 181291

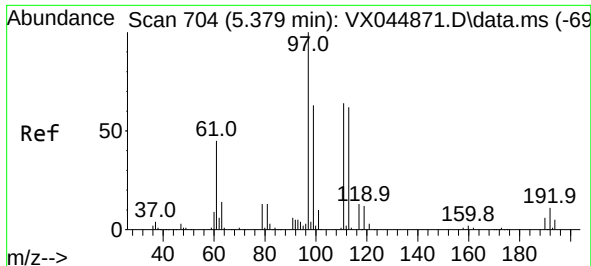
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.4

88 16.6 0.0 31.4

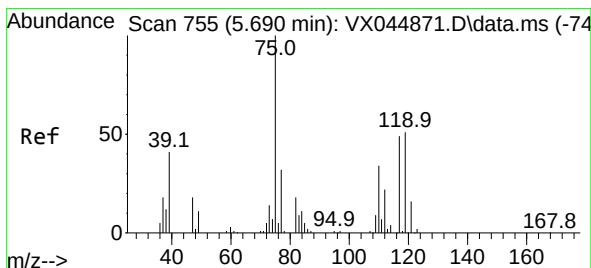
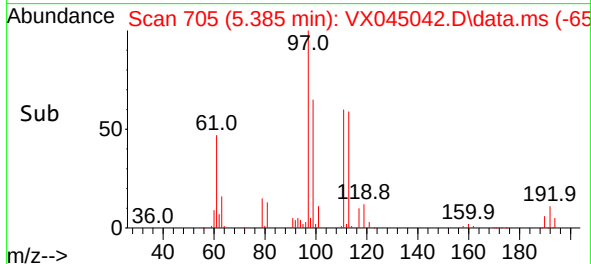
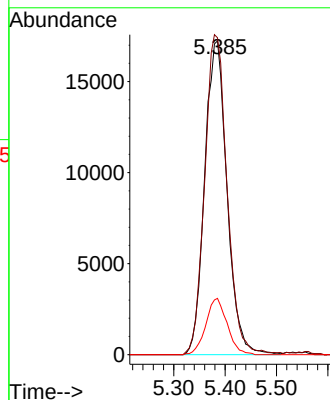
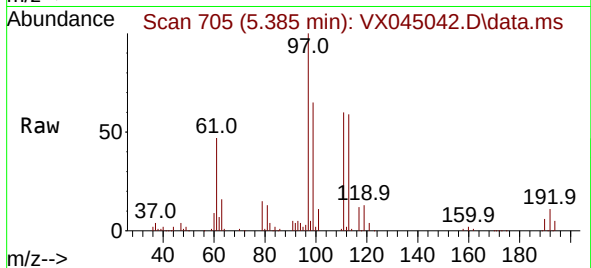




#35
Dibromofluoromethane
Concen: 44.160 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

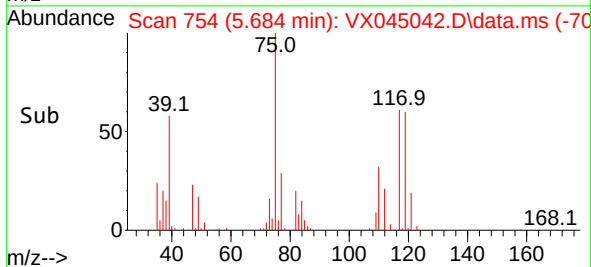
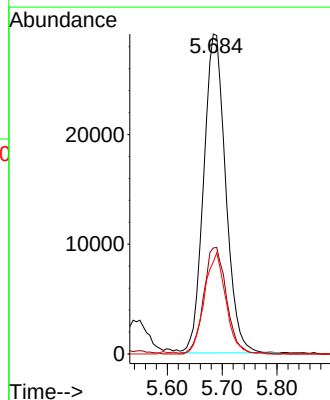
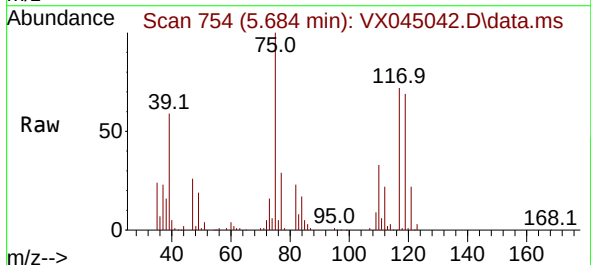
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

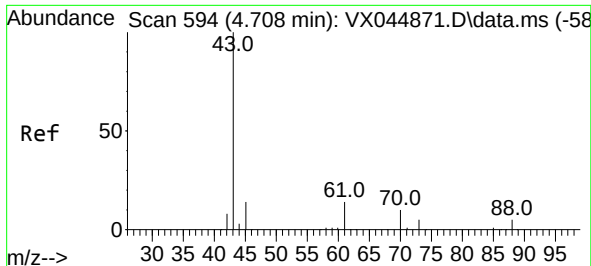
Tgt Ion:113 Resp: 52051
Ion Ratio Lower Upper
113 100
111 102.2 83.5 125.3
192 17.1 14.4 21.6



#36
1,1-Dichloropropene
Concen: 47.660 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 75 Resp: 81048
Ion Ratio Lower Upper
75 100
110 34.5 17.2 51.6
77 31.1 24.6 37.0





#37

Ethyl Acetate

Concen: 57.029 ug/l

RT: 4.714 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

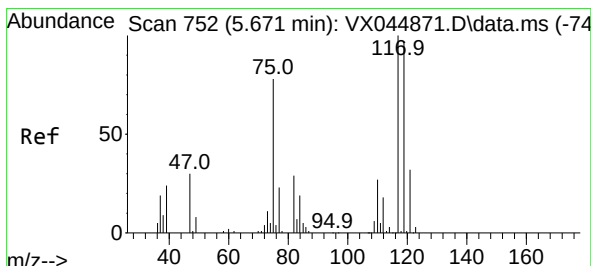
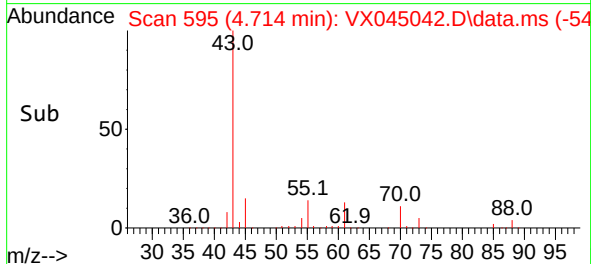
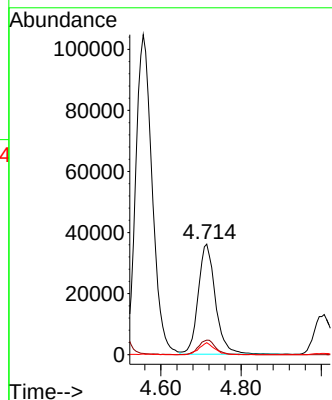
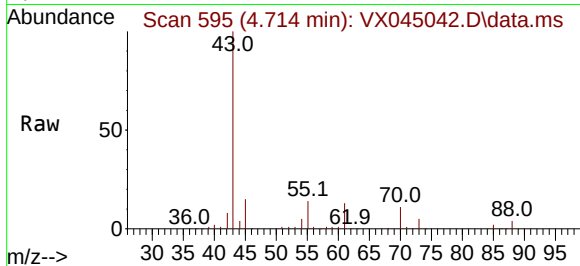
Tgt Ion: 43 Resp: 107870

Ion Ratio Lower Upper

43 100

61 13.3 11.0 16.4

70 9.8 8.2 12.2



#38

Carbon Tetrachloride

Concen: 49.565 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

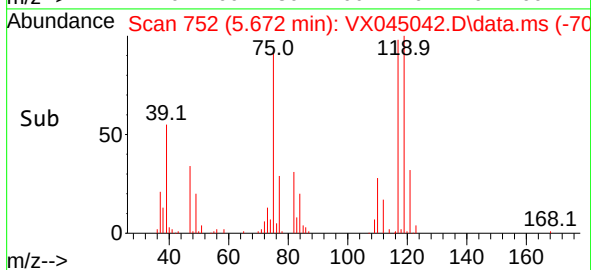
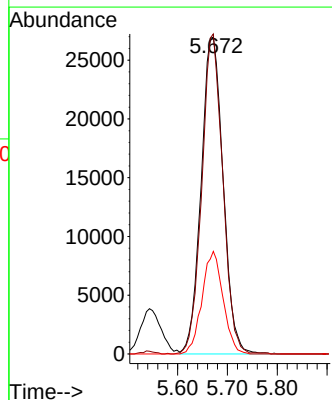
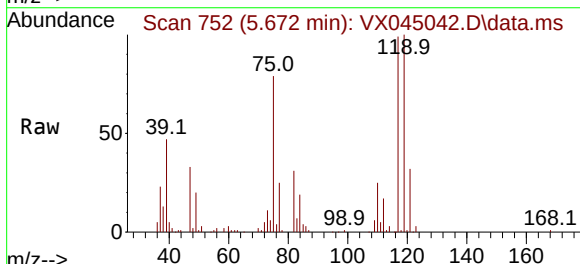
Tgt Ion: 117 Resp: 82597

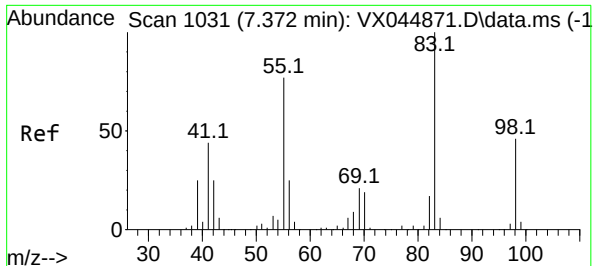
Ion Ratio Lower Upper

117 100

119 101.0 77.5 116.3

121 32.4 25.6 38.4





#39

Methylcyclohexane

Concen: 48.316 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

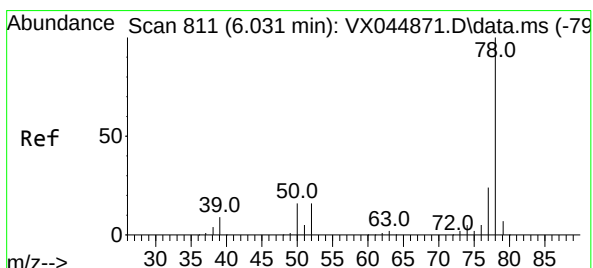
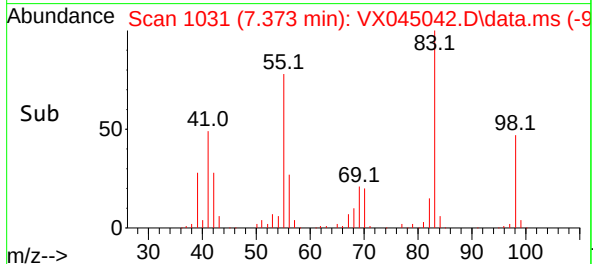
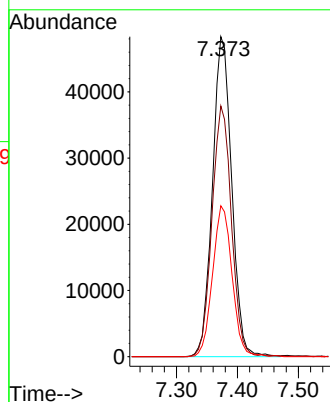
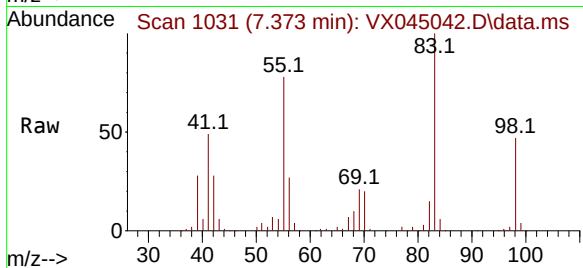
Tgt Ion: 83 Resp: 106224

Ion Ratio Lower Upper

83 100

55 78.3 61.3 91.9

98 47.1 37.0 55.6



#40

Benzene

Concen: 49.173 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX045042.D

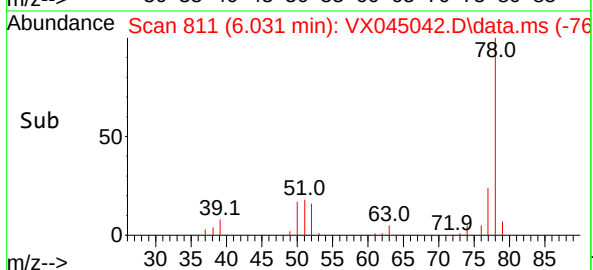
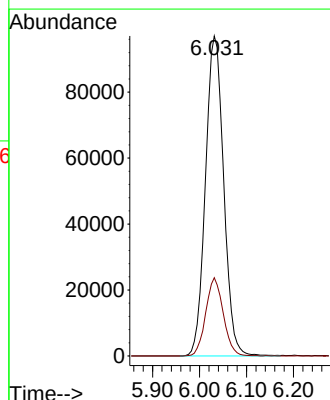
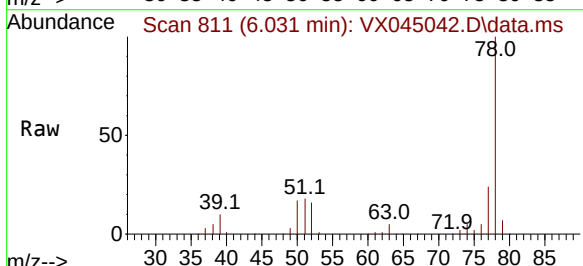
Acq: 25 Feb 2025 16:28

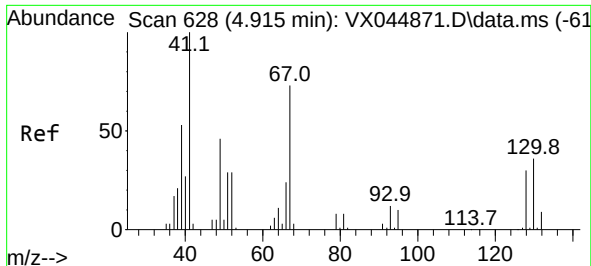
Tgt Ion: 78 Resp: 261113

Ion Ratio Lower Upper

78 100

77 24.5 19.0 28.6

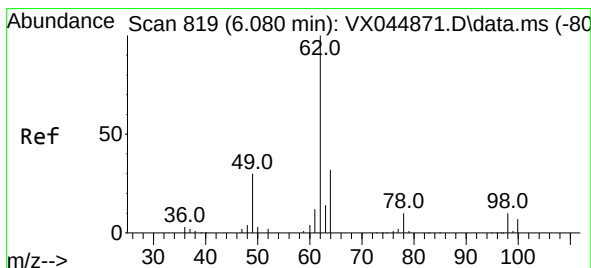
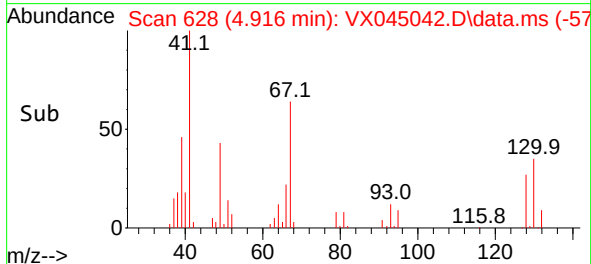
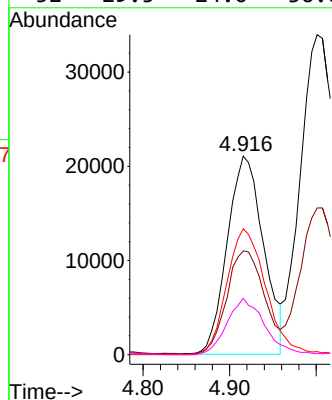
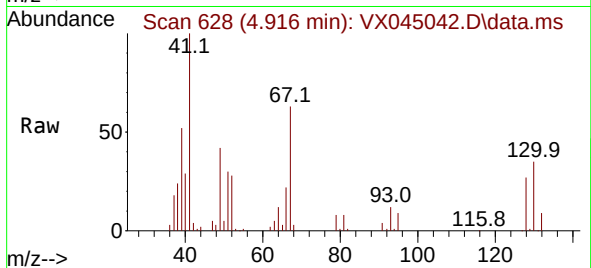




#41
Methacrylonitrile
Concen: 60.575 ug/l
RT: 4.916 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

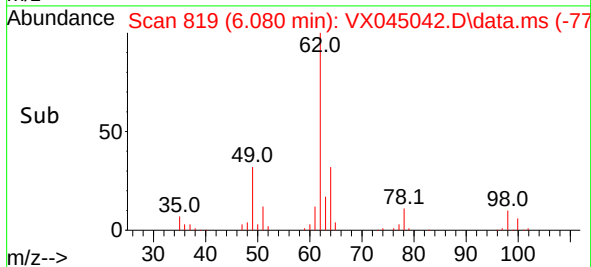
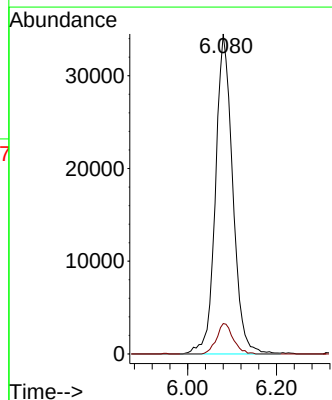
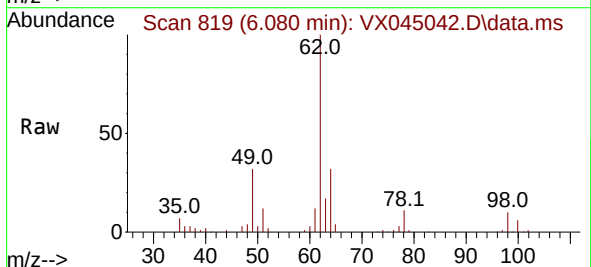
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

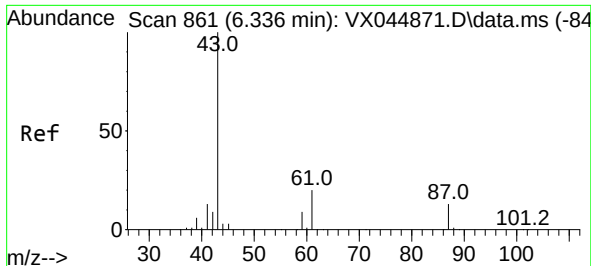
Tgt Ion:	41	Resp:	61329
Ion	Ratio	Lower	Upper
41	100		
39	53.8	43.1	64.7
67	68.3	57.0	85.6
52	29.5	24.0	36.0



#42
1,2-Dichloroethane
Concen: 54.837 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:	62	Resp:	92805
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.4

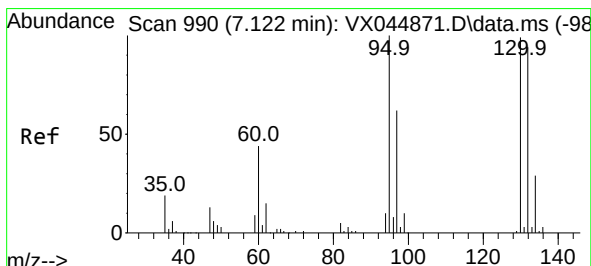
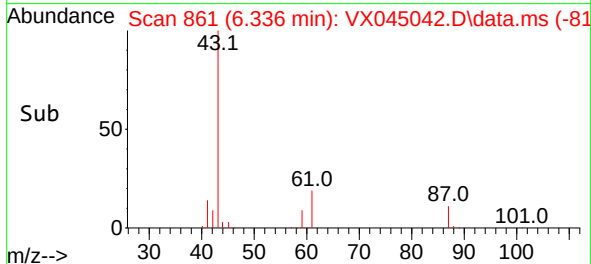
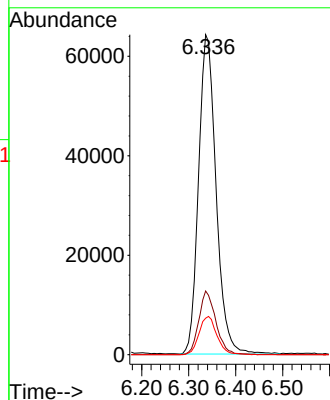
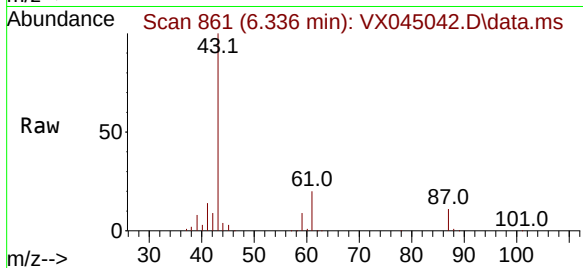




#43
Isopropyl Acetate
Concen: 54.640 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

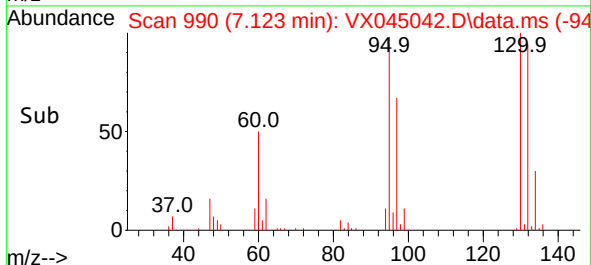
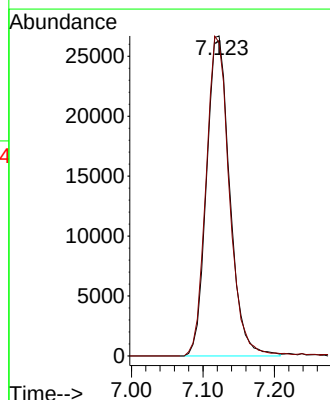
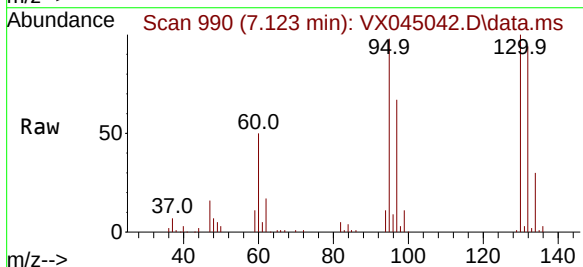
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

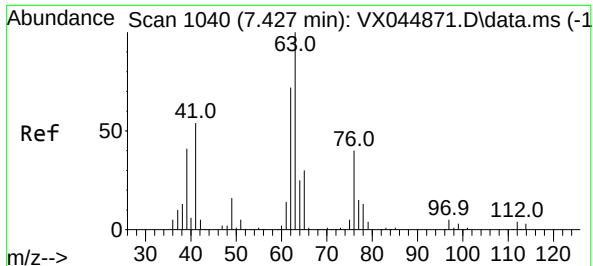
Tgt Ion: 43 Resp: 166895
Ion Ratio Lower Upper
43 100
61 19.4 15.8 23.8
87 12.1 10.0 15.0



#44
Trichloroethene
Concen: 49.623 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:130 Resp: 60229
Ion Ratio Lower Upper
130 100
95 98.0 0.0 202.4





#45

1,2-Dichloropropane

Concen: 50.580 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

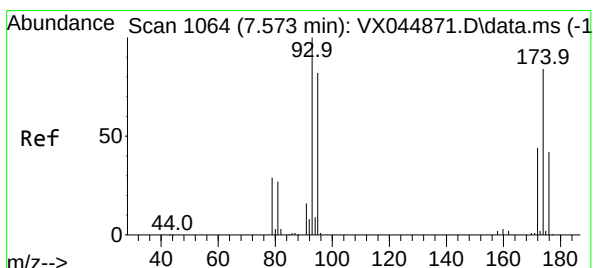
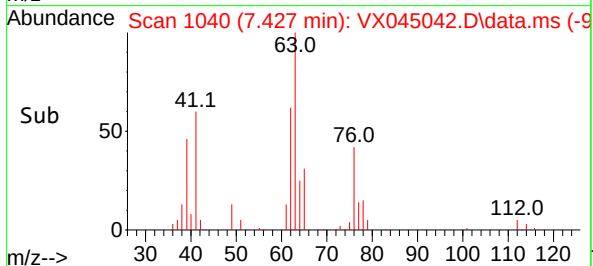
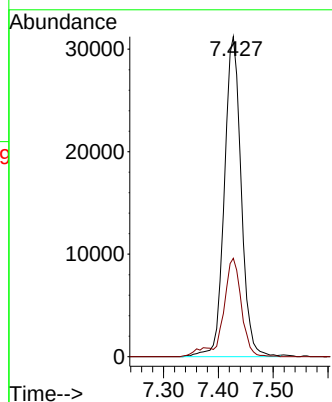
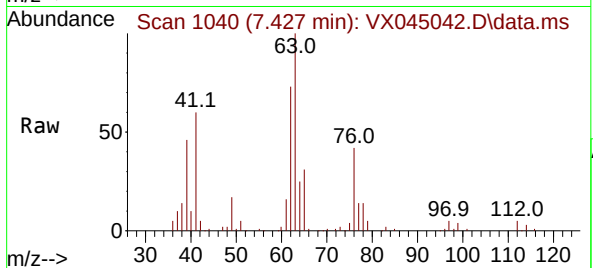
VSTDCCC050EC

Tgt Ion: 63 Resp: 66819

Ion Ratio Lower Upper

63 100

65 30.7 24.2 36.4



#46

Dibromomethane

Concen: 52.418 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

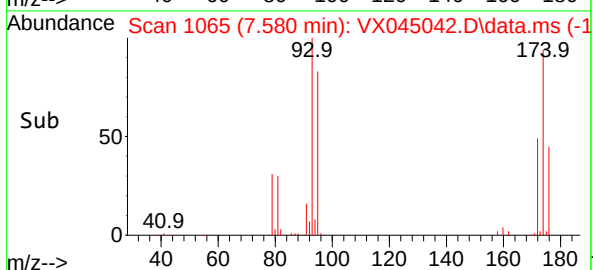
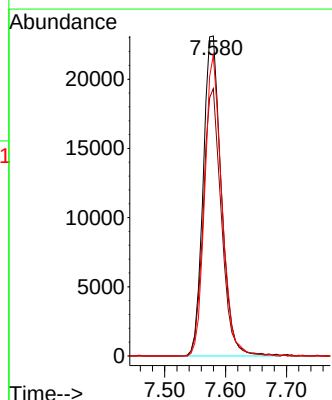
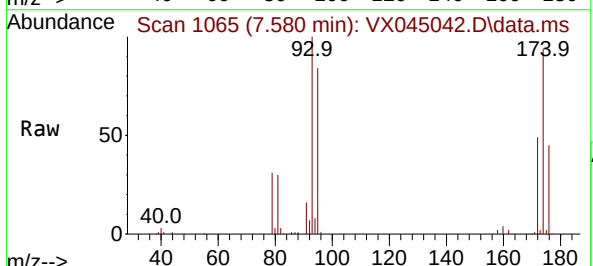
Tgt Ion: 93 Resp: 48023

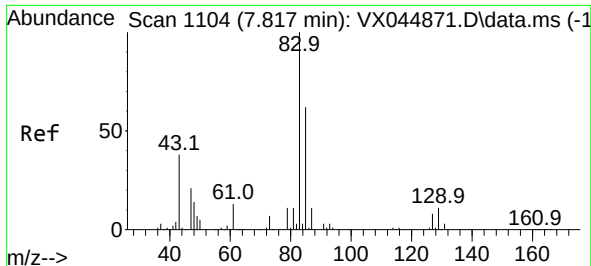
Ion Ratio Lower Upper

93 100

95 82.5 66.2 99.4

174 88.8 69.9 104.9

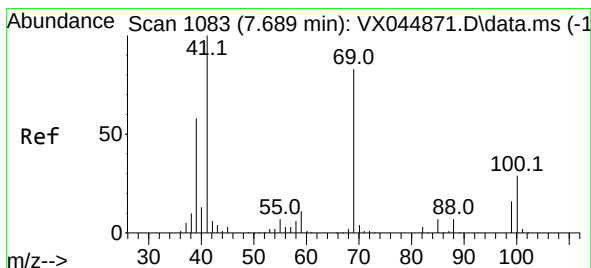
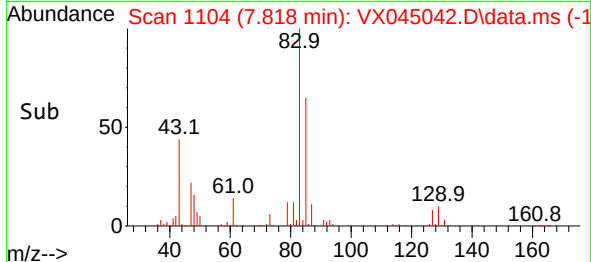
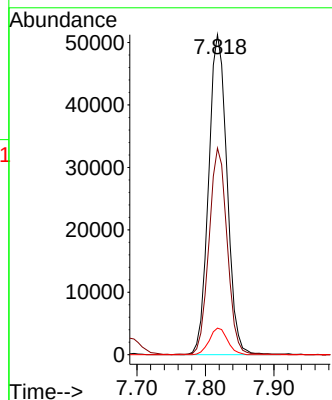
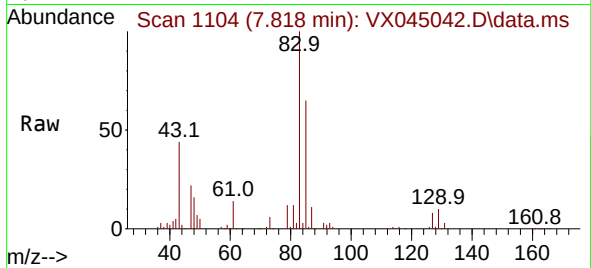




#47
Bromodichloromethane
Concen: 53.860 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

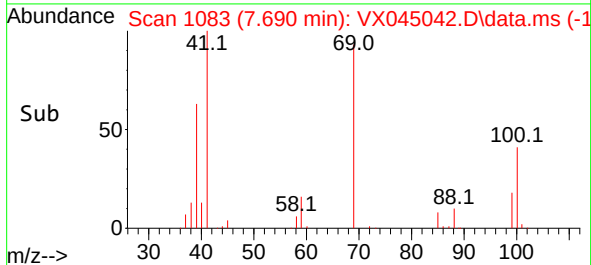
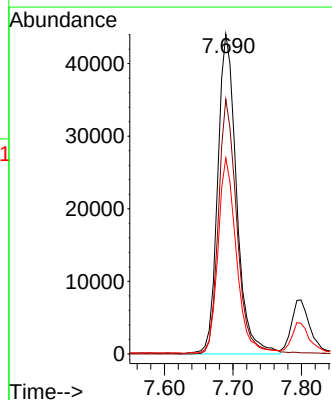
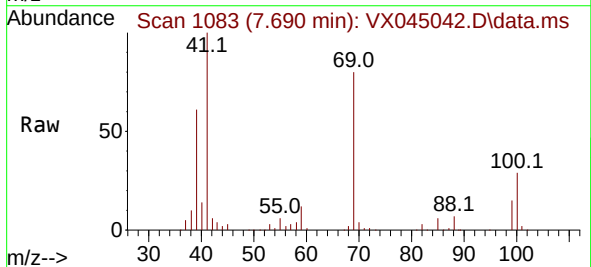
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

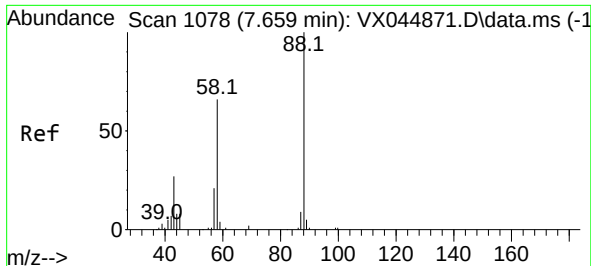
Tgt Ion: 83 Resp: 95545
Ion Ratio Lower Upper
83 100
85 64.4 50.0 75.0
127 8.3 6.4 9.6



#48
Methyl methacrylate
Concen: 58.478 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 41 Resp: 84221
Ion Ratio Lower Upper
41 100
69 77.6 65.8 98.8
39 59.4 46.4 69.6





#49

1,4-Dioxane

Concen: 1235.809 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

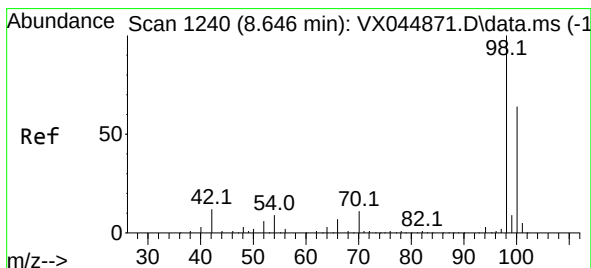
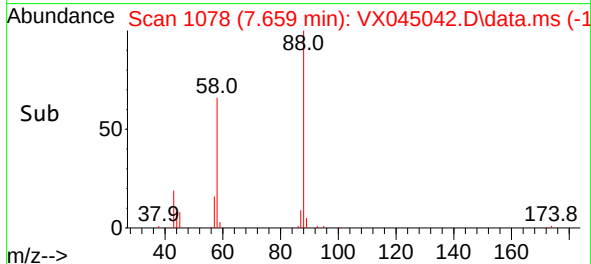
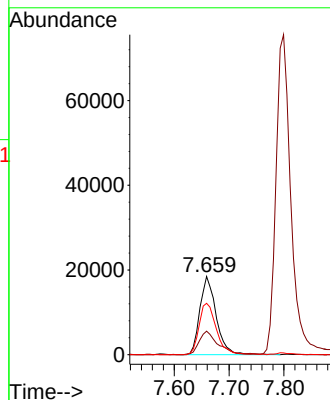
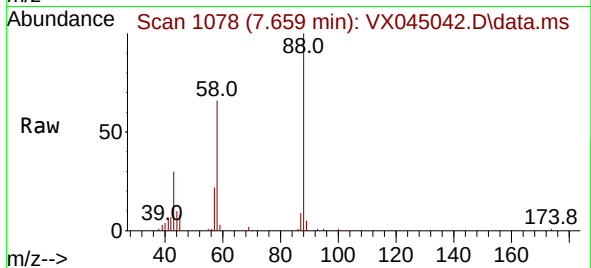
Tgt Ion: 88 Resp: 38186

Ion Ratio Lower Upper

88 100

43 34.5 26.6 39.8

58 69.1 55.9 83.9



#50

Toluene-d8

Concen: 42.538 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX045042.D

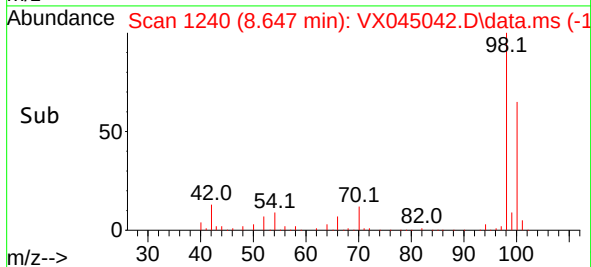
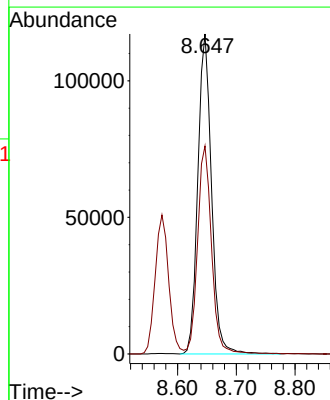
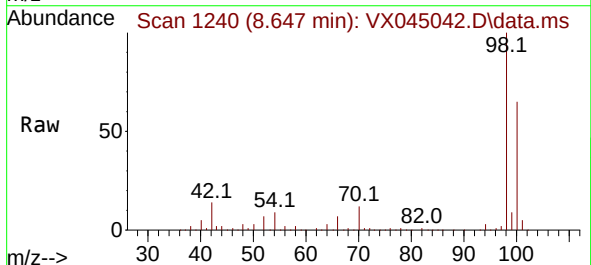
Acq: 25 Feb 2025 16:28

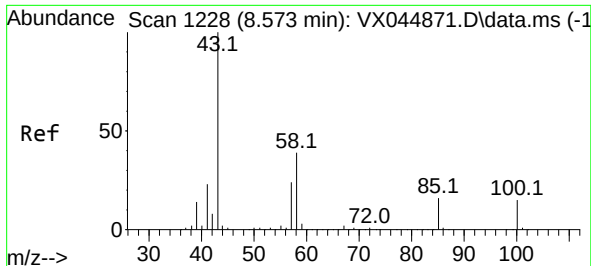
Tgt Ion: 98 Resp: 189599

Ion Ratio Lower Upper

98 100

100 66.4 52.7 79.1

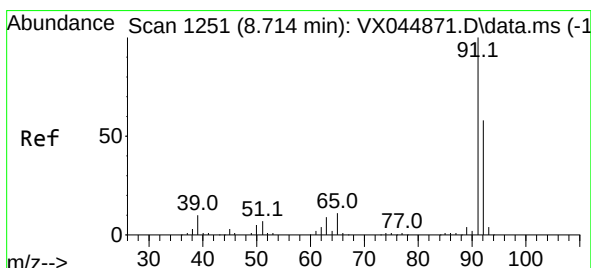
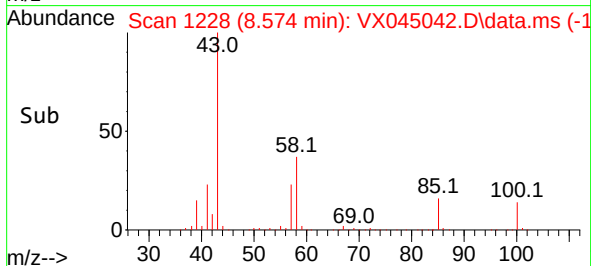
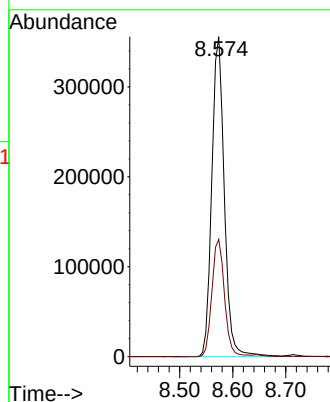
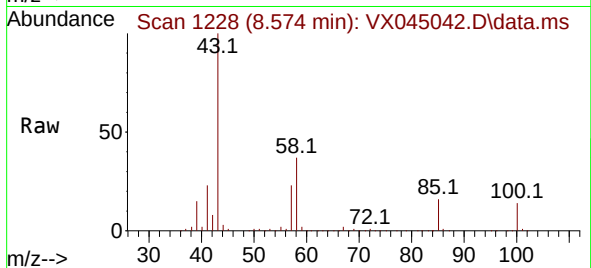




#51
4-Methyl-2-Pentanone
Concen: 314.005 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

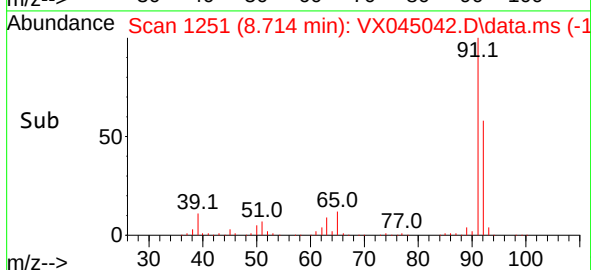
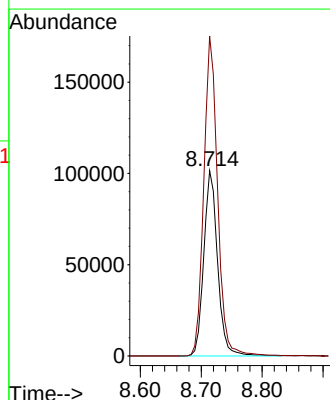
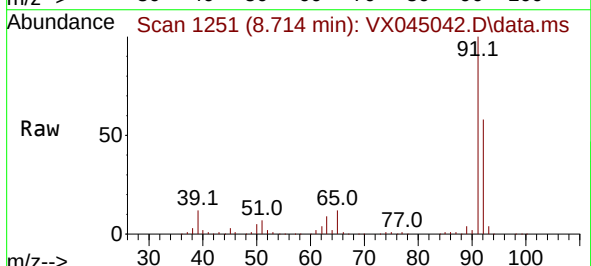
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

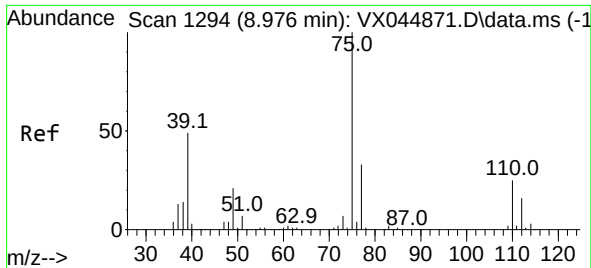
Tgt Ion: 43 Resp: 583086
Ion Ratio Lower Upper
43 100
58 37.0 30.8 46.2



#52
Toluene
Concen: 50.528 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 92 Resp: 159793
Ion Ratio Lower Upper
92 100
91 172.8 137.4 206.2

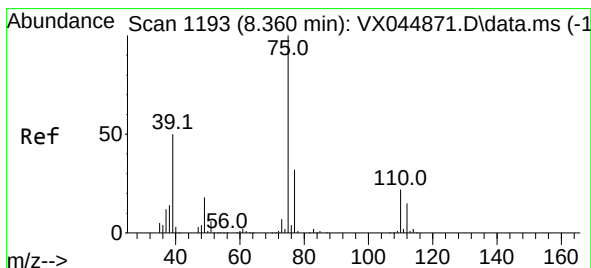
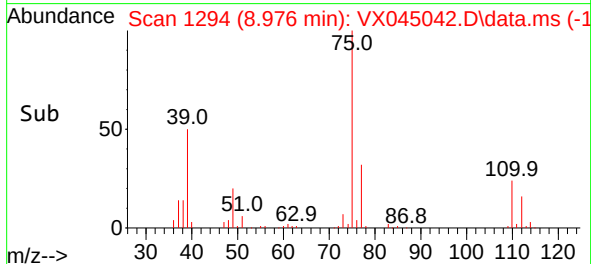
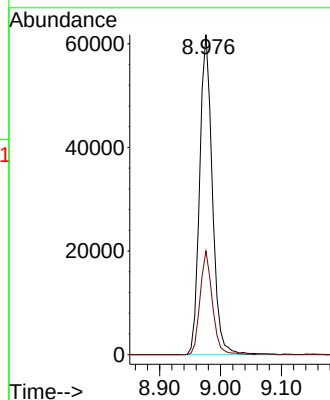
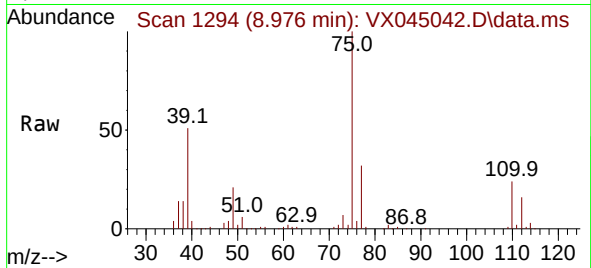




#53
t-1,3-Dichloropropene
Concen: 49.754 ug/l
RT: 8.976 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

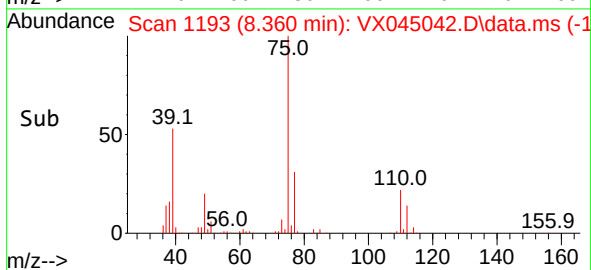
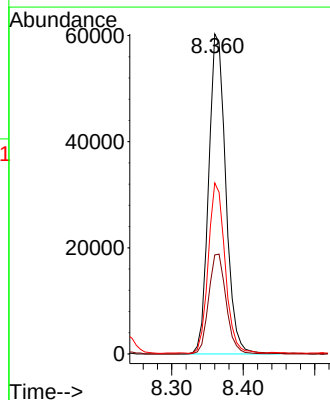
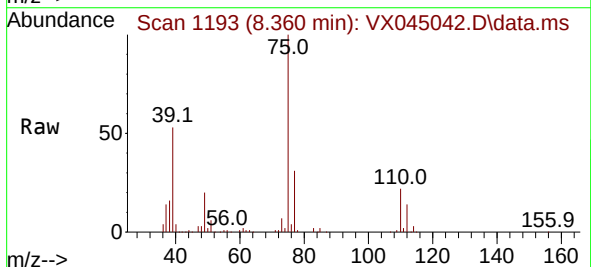
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

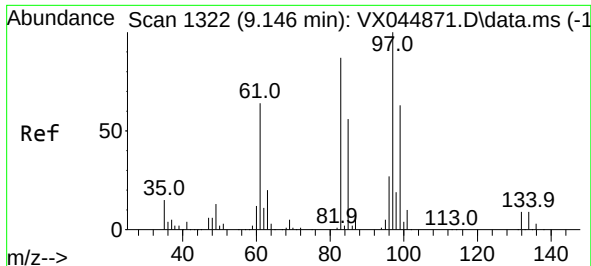
Tgt Ion: 75 Resp: 89317
Ion Ratio Lower Upper
75 100
77 32.4 26.0 39.0



#54
cis-1,3-Dichloropropene
Concen: 50.101 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 75 Resp: 100279
Ion Ratio Lower Upper
75 100
77 31.0 25.3 37.9
39 53.1 40.0 60.0





#55

1,1,2-Trichloroethane

Concen: 53.170 ug/l

RT: 9.147 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 64638

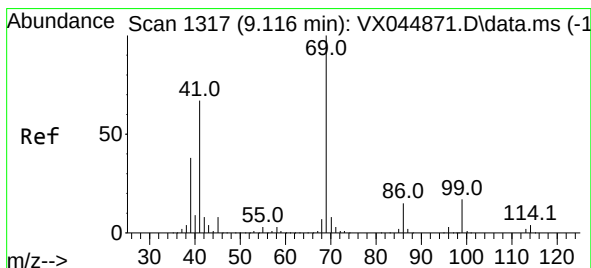
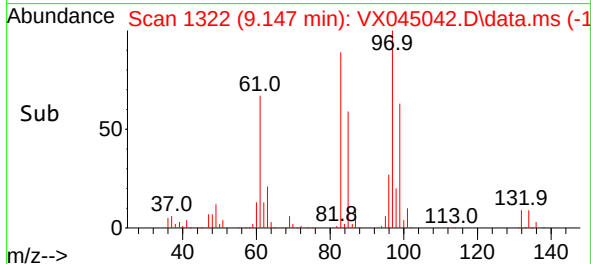
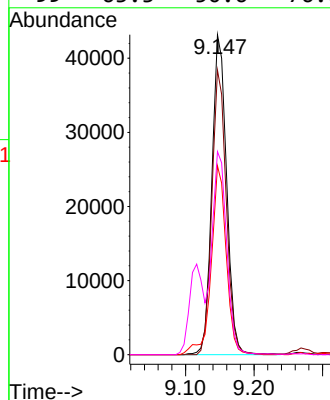
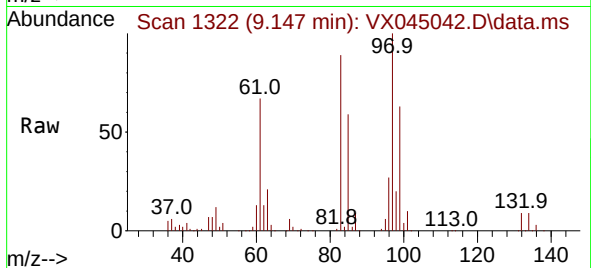
Ion Ratio Lower Upper

97 100

83 88.9 69.8 104.6

85 59.0 44.8 67.2

99 63.3 50.6 76.0



#56

Ethyl methacrylate

Concen: 54.804 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

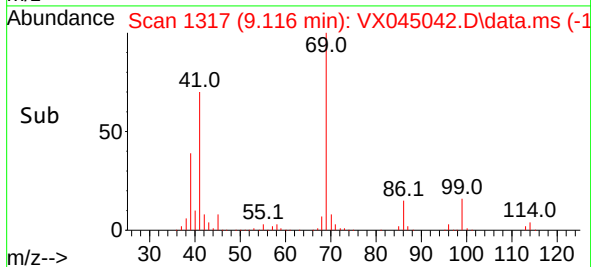
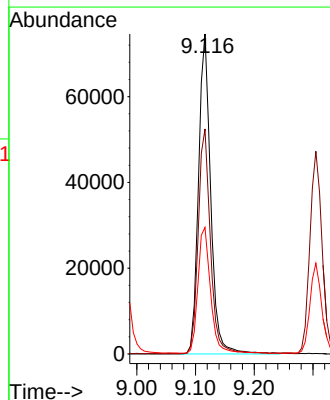
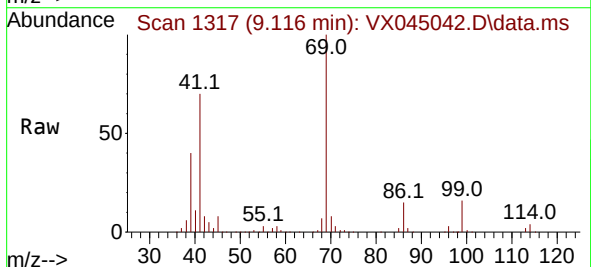
Tgt Ion: 69 Resp: 107605

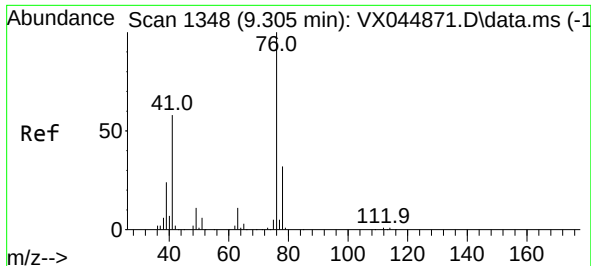
Ion Ratio Lower Upper

69 100

41 70.2 55.2 82.8

39 41.0 30.8 46.2





#57

1,3-Dichloropropane

Concen: 52.787 ug/l

RT: 9.305 min Scan# 112282

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

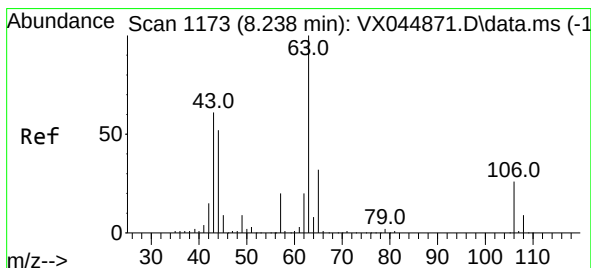
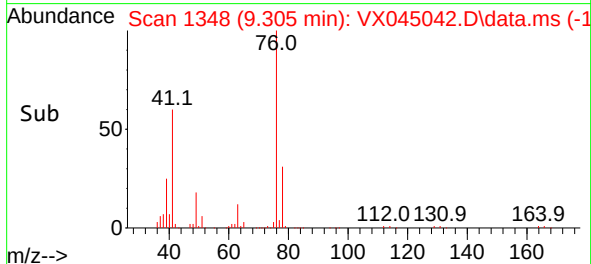
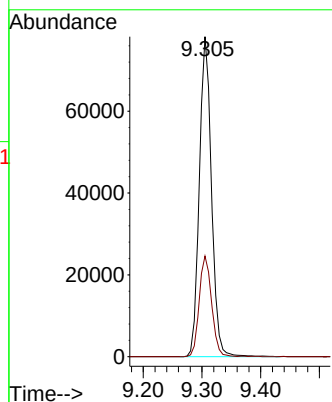
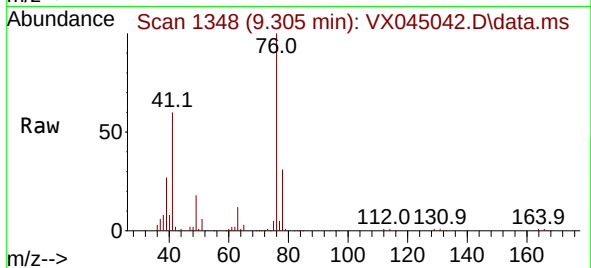
VSTDCCC050EC

Tgt Ion: 76 Resp: 112282

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 256.347 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX045042.D

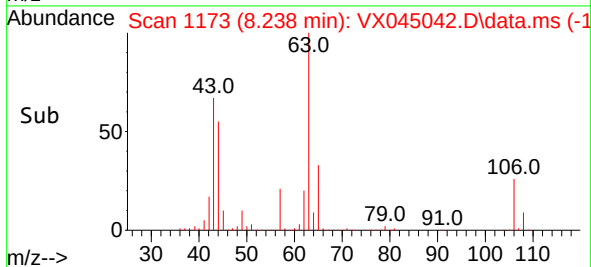
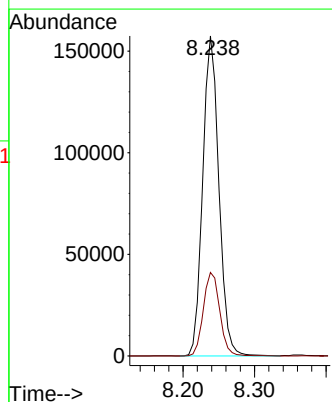
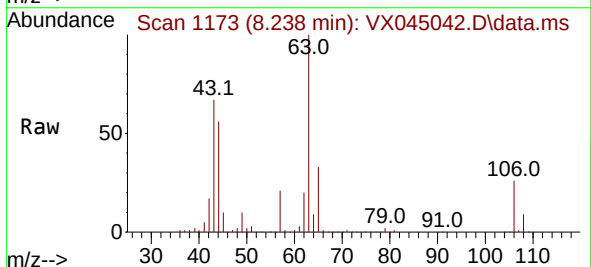
Acq: 25 Feb 2025 16:28

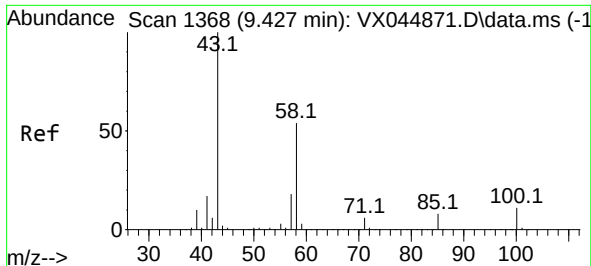
Tgt Ion: 63 Resp: 247138

Ion Ratio Lower Upper

63 100

106 26.5 21.3 31.9

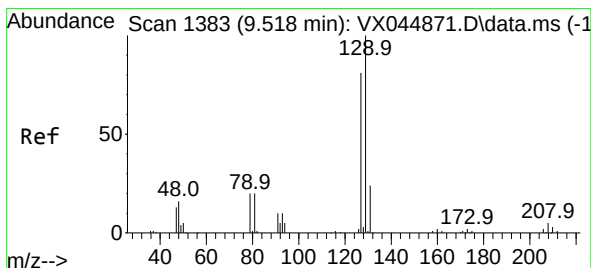
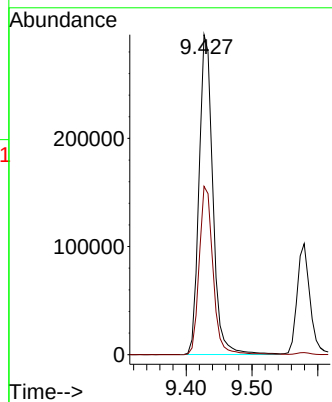
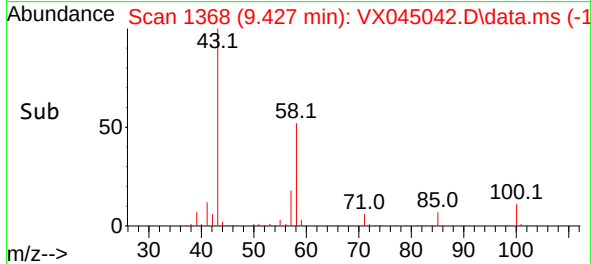
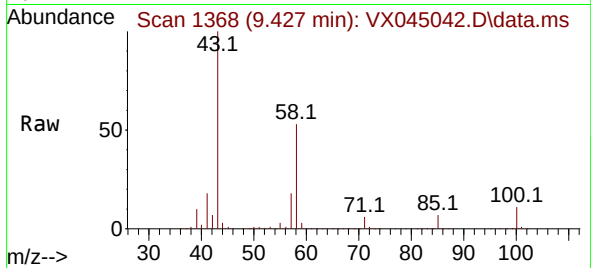




#59
2-Hexanone
Concen: 323.037 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

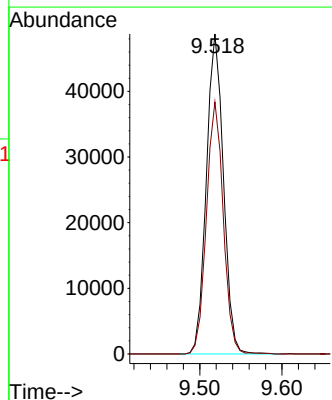
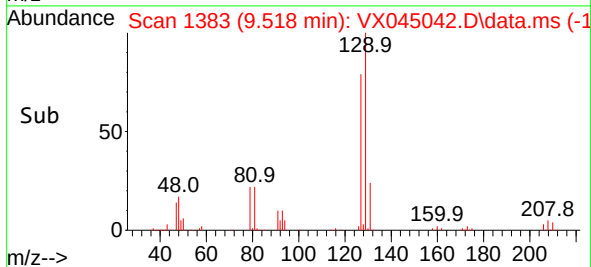
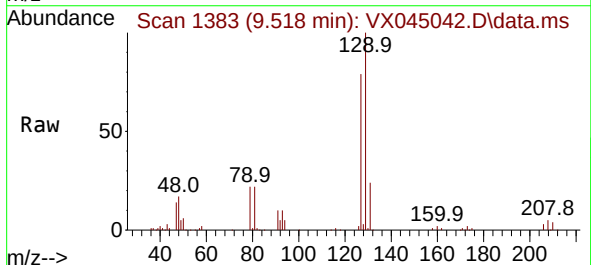
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

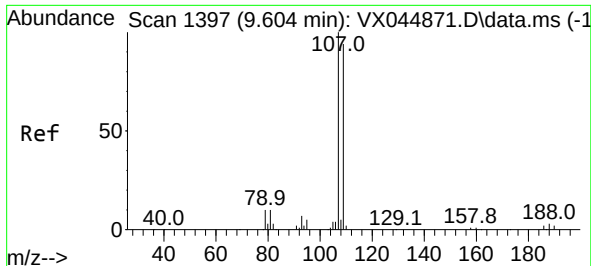
Tgt Ion: 43 Resp: 432203
Ion Ratio Lower Upper
43 100
58 52.8 27.5 82.4



#60
Dibromochloromethane
Concen: 54.145 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 129 Resp: 70395
Ion Ratio Lower Upper
129 100
127 77.8 39.1 117.3

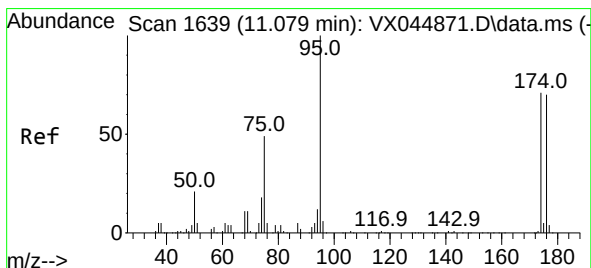
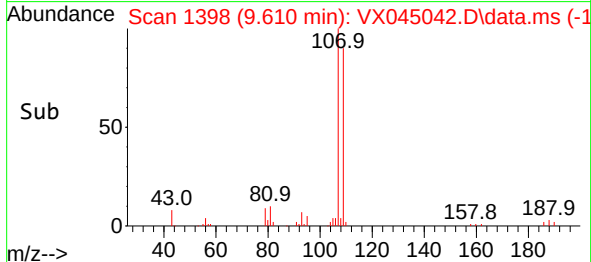
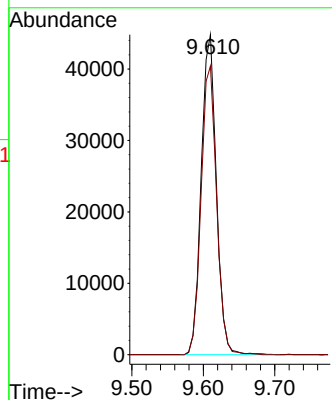
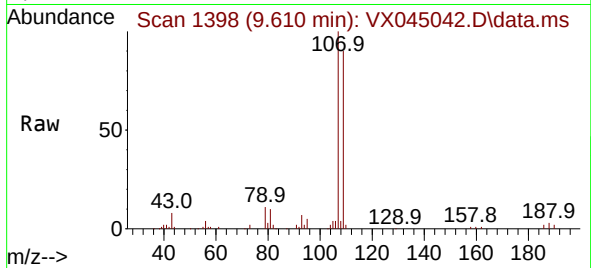




#61
 1,2-Dibromoethane
 Concen: 53.373 ug/l
 RT: 9.610 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX045042.D
 Acq: 25 Feb 2025 16:28

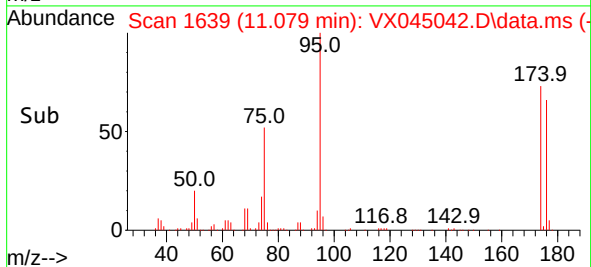
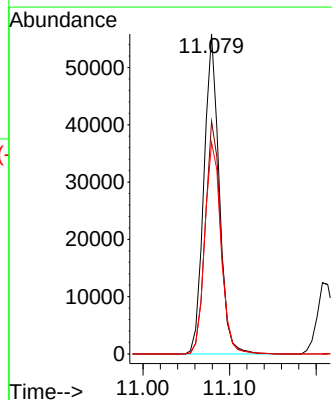
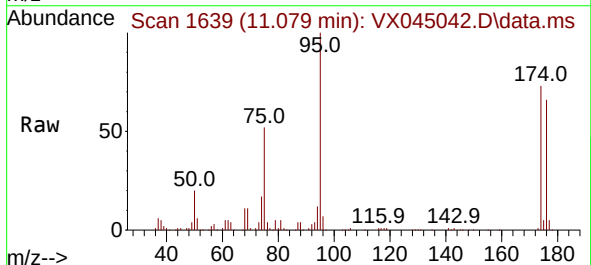
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

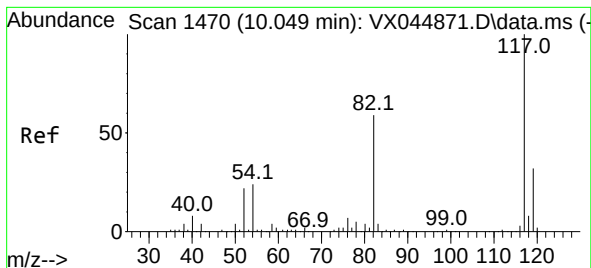
Tgt Ion:107 Resp: 65764
 Ion Ratio Lower Upper
 107 100
 109 92.3 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 45.505 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.000 min
 Lab File: VX045042.D
 Acq: 25 Feb 2025 16:28

Tgt Ion: 95 Resp: 68375
 Ion Ratio Lower Upper
 95 100
 174 74.0 0.0 142.6
 176 70.4 0.0 141.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

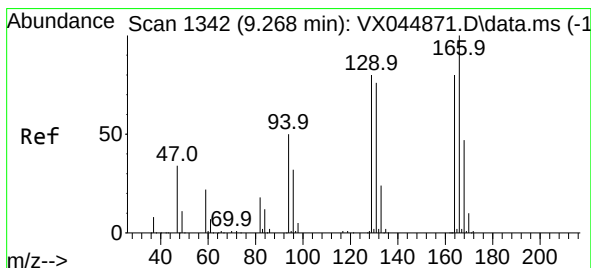
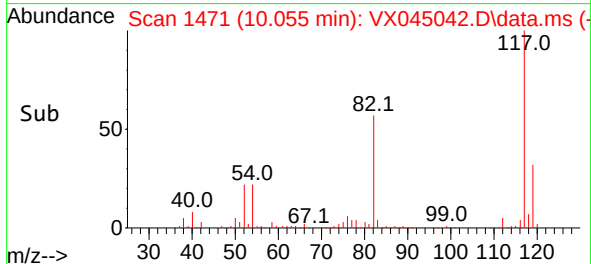
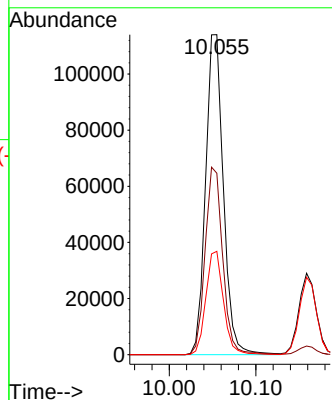
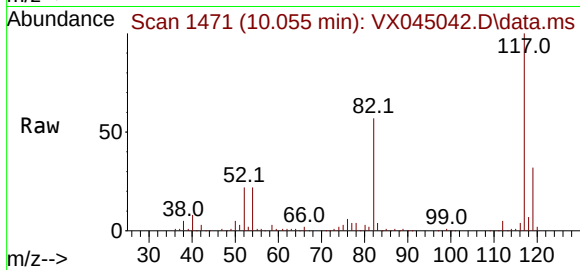
Tgt Ion:117 Resp: 162818

Ion Ratio Lower Upper

117 100

82 56.7 47.5 71.3

119 32.3 25.4 38.0



#64

Tetrachloroethene

Concen: 47.807 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Tgt Ion:164 Resp: 49089

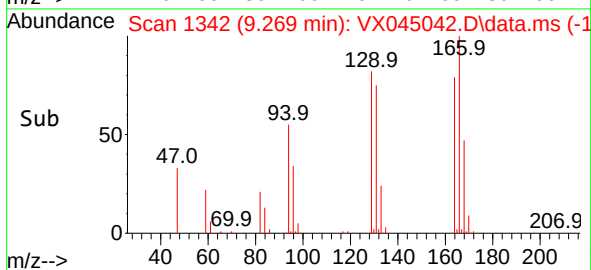
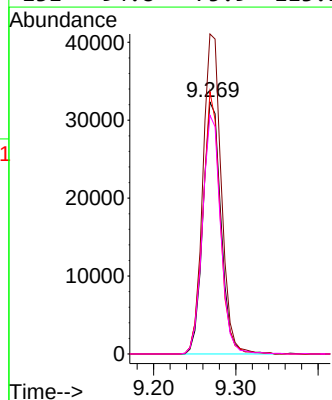
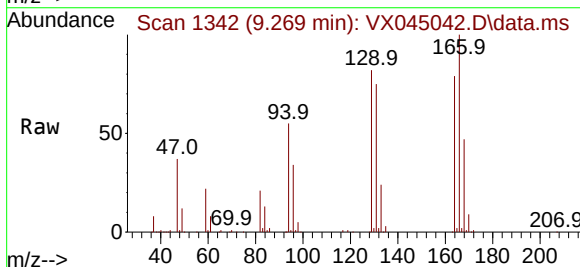
Ion Ratio Lower Upper

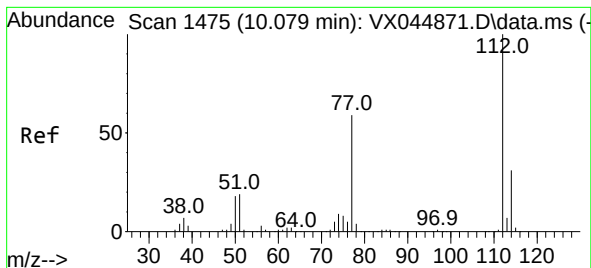
164 100

166 127.1 100.4 150.6

129 104.1 79.9 119.9

131 94.8 75.9 113.9

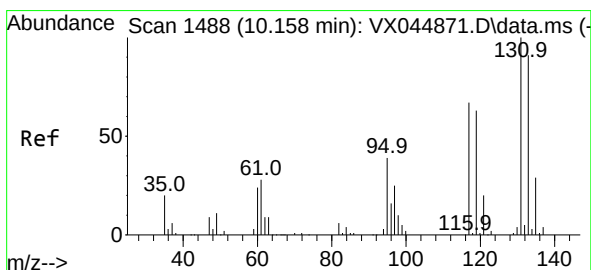
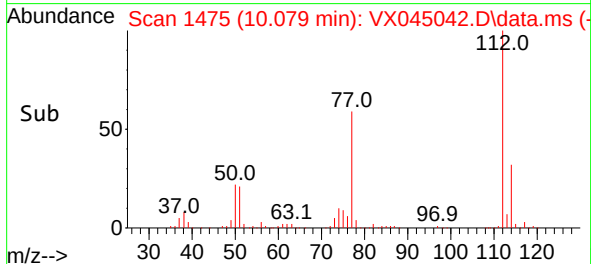
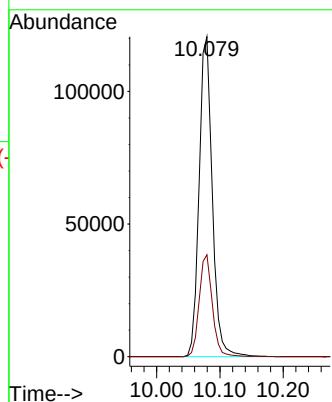
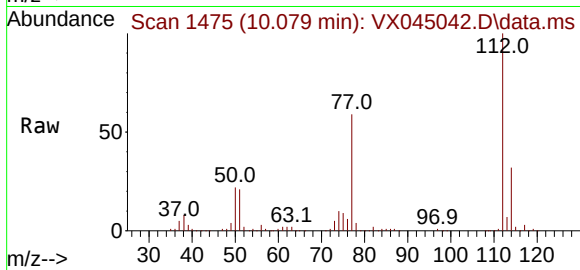




#65
Chlorobenzene
Concen: 50.041 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

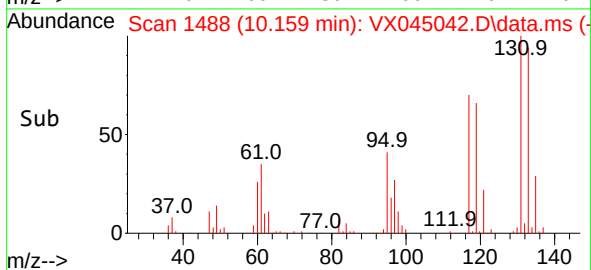
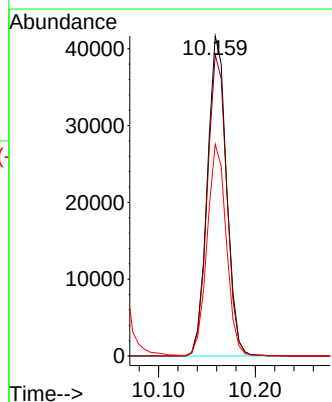
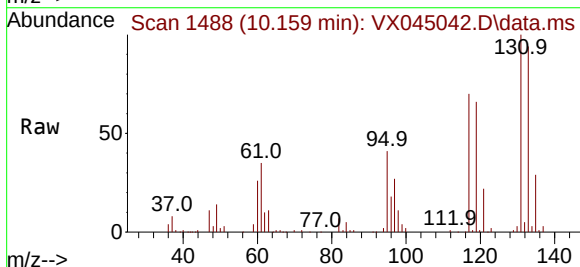
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

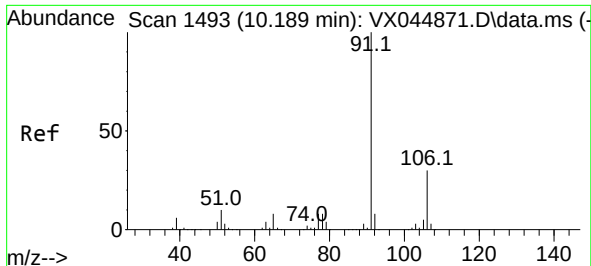
Tgt Ion:112 Resp: 174998
Ion Ratio Lower Upper
112 100
114 31.9 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.070 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:131 Resp: 57484
Ion Ratio Lower Upper
131 100
133 95.0 47.1 141.3
119 66.2 33.6 100.6





#67

Ethyl Benzene

Concen: 49.830 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

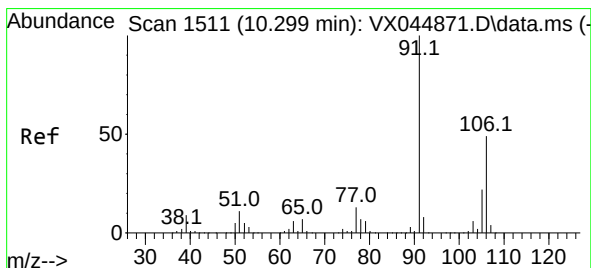
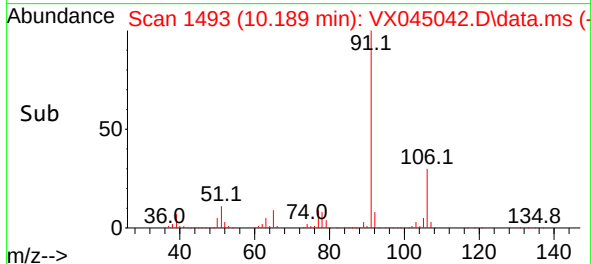
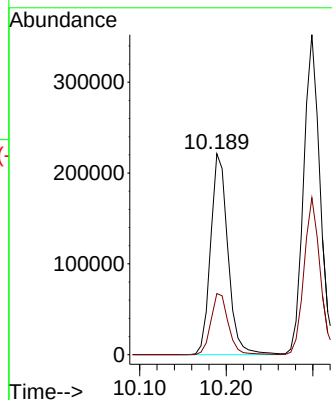
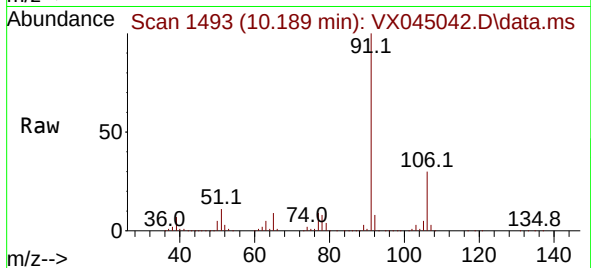
VSTDCCC050EC

Tgt Ion: 91 Resp: 307513

Ion Ratio Lower Upper

91 100

106 30.4 23.9 35.9



#68

m/p-Xylenes

Concen: 100.639 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX045042.D

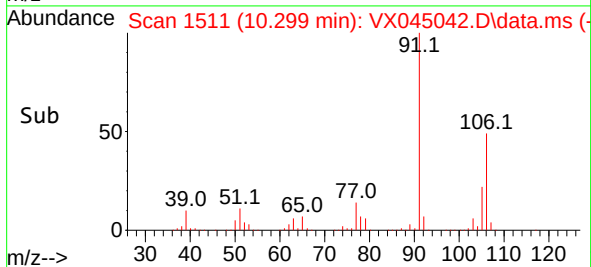
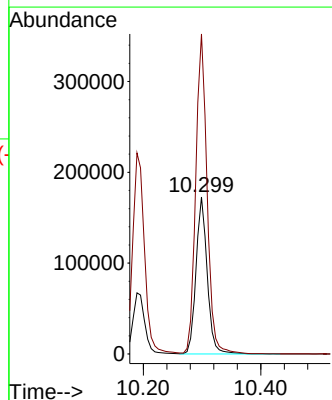
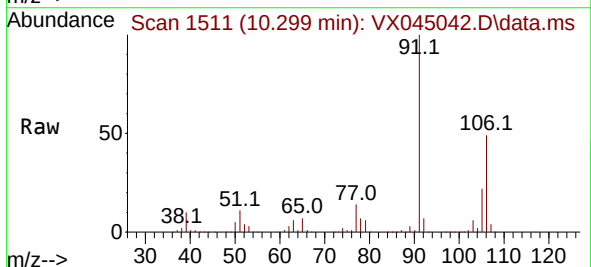
Acq: 25 Feb 2025 16:28

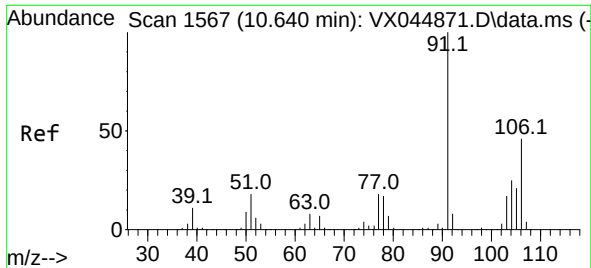
Tgt Ion: 106 Resp: 229102

Ion Ratio Lower Upper

106 100

91 206.0 164.3 246.5

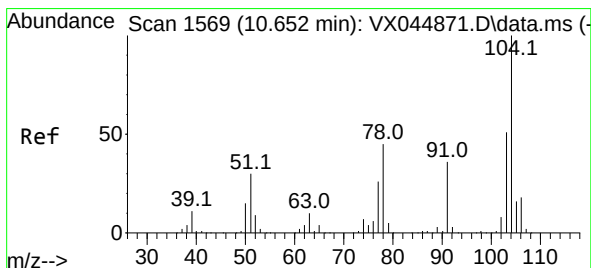
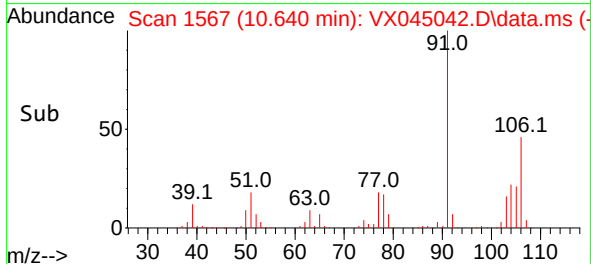
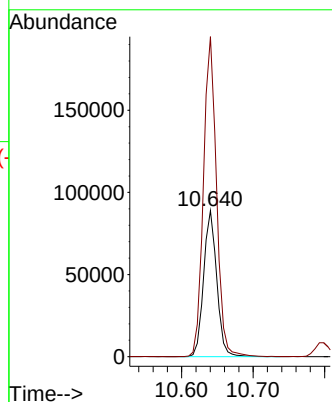
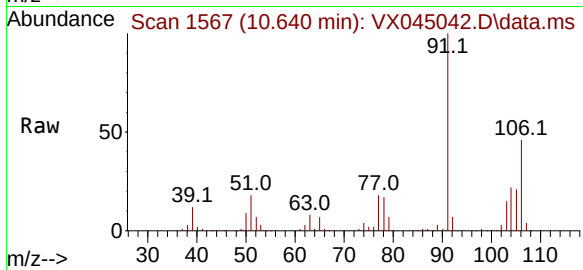




#69
o-Xylene
Concen: 49.701 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

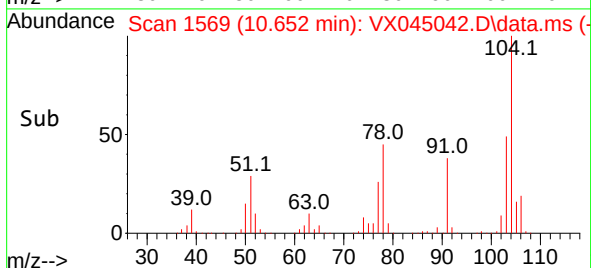
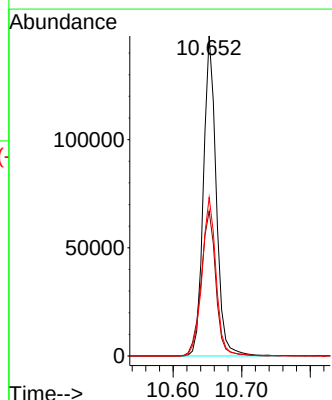
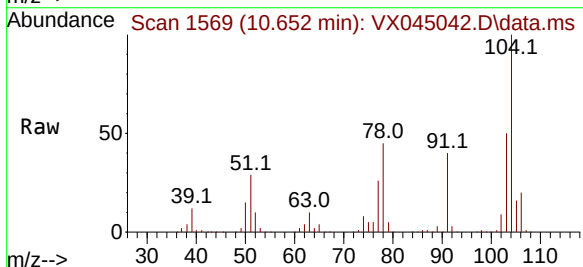
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

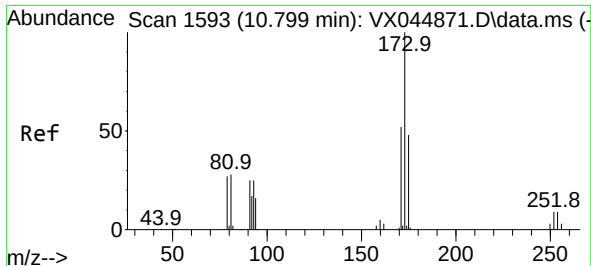
Tgt Ion:106 Resp: 113531
Ion Ratio Lower Upper
106 100
91 218.4 108.5 325.5



#70
Styrene
Concen: 52.483 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:104 Resp: 193148
Ion Ratio Lower Upper
104 100
78 51.8 40.5 60.7
103 54.2 43.6 65.4

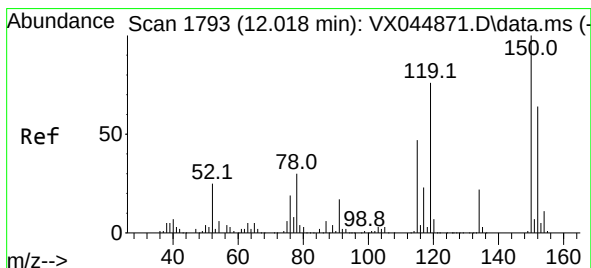
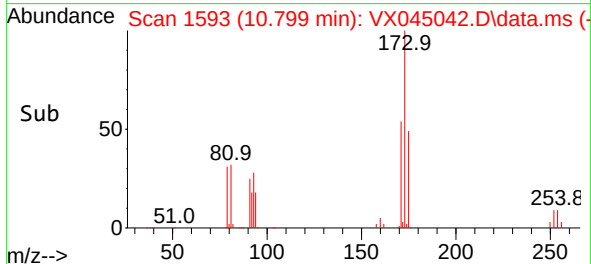
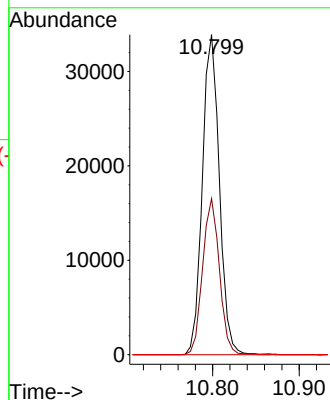
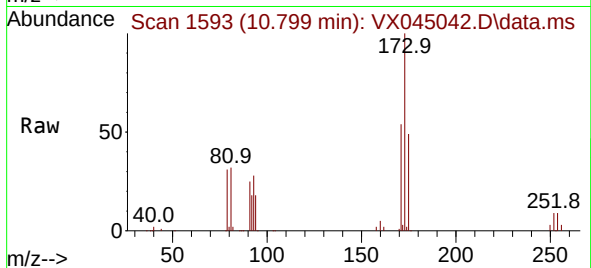




#71
Bromoform
Concen: 54.990 ug/l
RT: 10.799 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

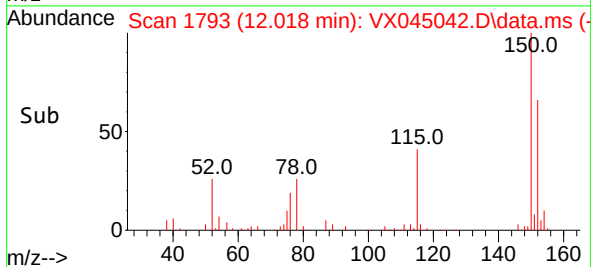
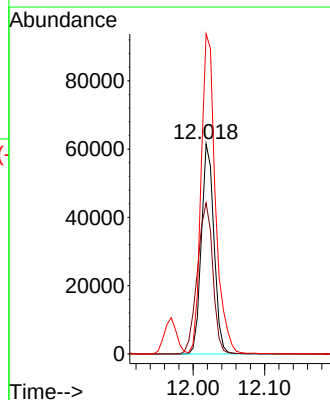
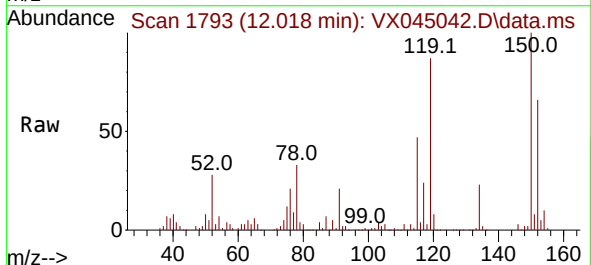
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

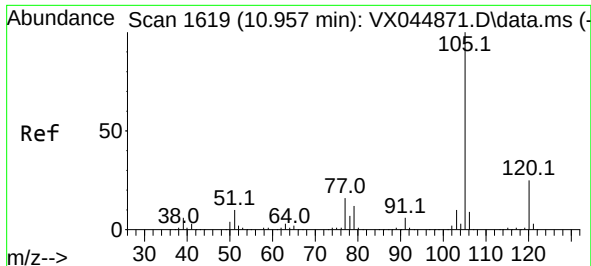
Tgt Ion:173 Resp: 46194
Ion Ratio Lower Upper
173 100
175 48.1 24.3 72.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:152 Resp: 75432
Ion Ratio Lower Upper
152 100
115 87.7 43.4 130.1
150 172.4 0.0 350.4

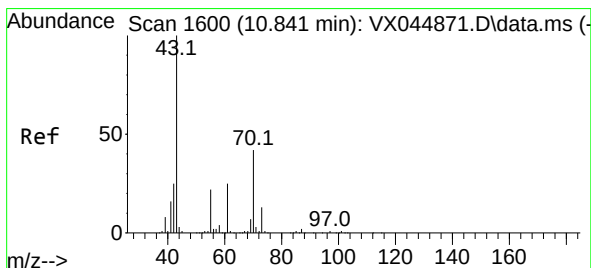
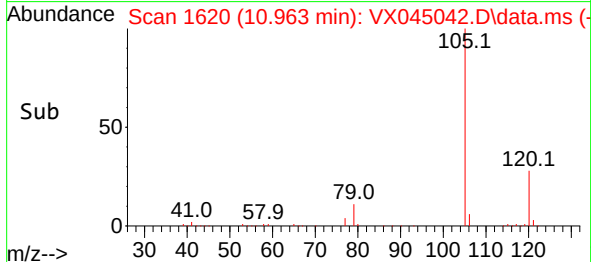
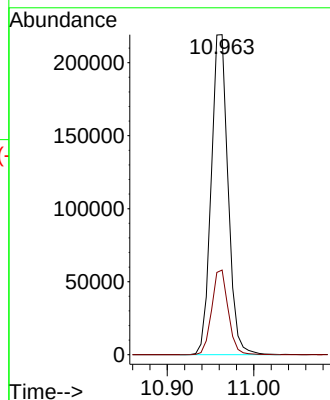
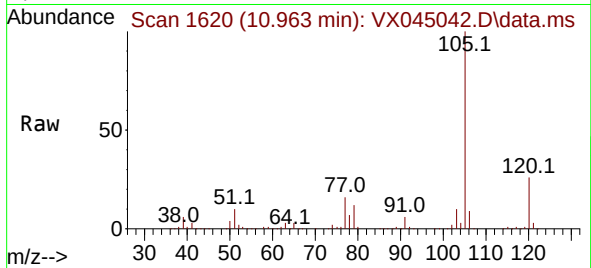




#73
Isopropylbenzene
Concen: 48.748 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

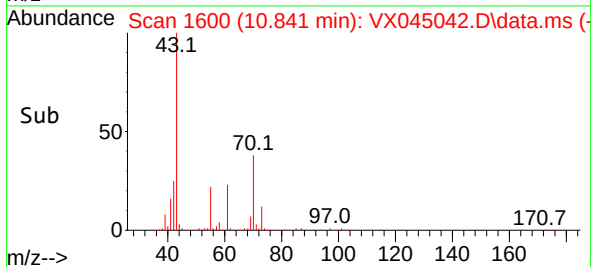
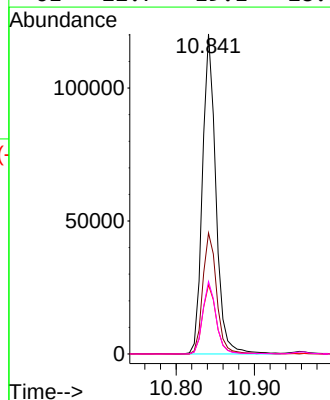
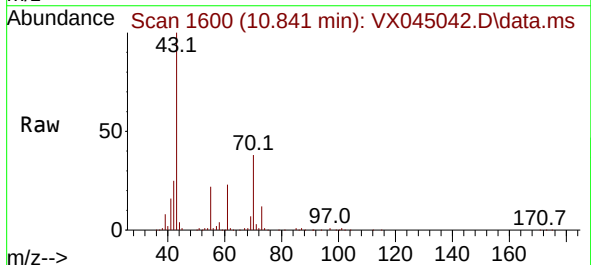
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

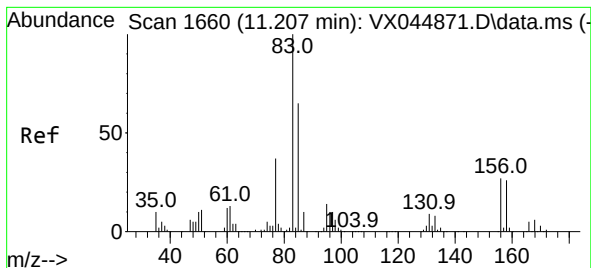
Tgt Ion:105 Resp: 296079
Ion Ratio Lower Upper
105 100
120 25.8 13.2 39.5



#74
N-ethyl acetate
Concen: 52.132 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 43 Resp: 143282
Ion Ratio Lower Upper
43 100
70 39.1 33.7 50.5
55 22.3 18.6 27.8
61 22.7 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 50.649 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.006 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

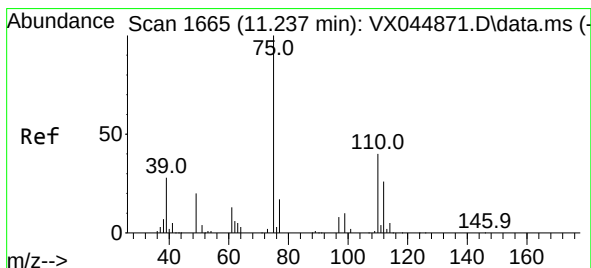
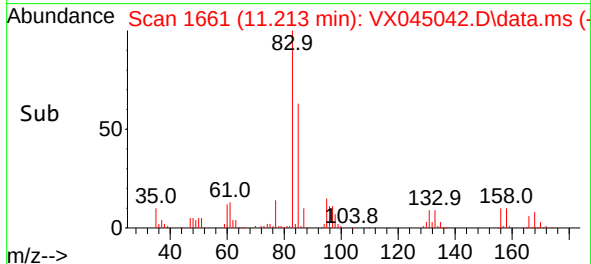
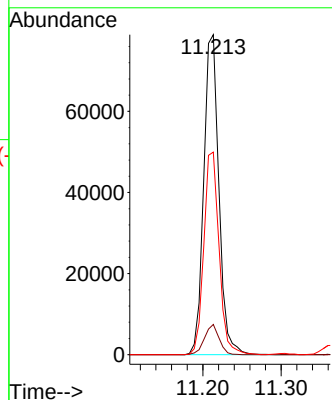
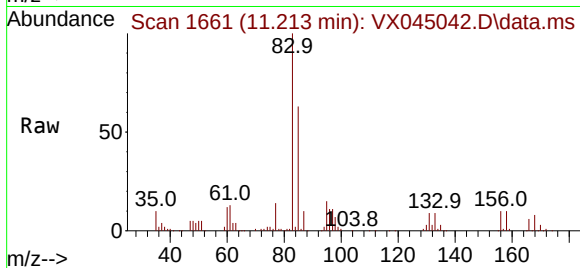
Tgt Ion: 83 Resp: 105710

Ion Ratio Lower Upper

83 100

131 9.1 4.5 13.5

85 63.8 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 66.733 ug/l

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX045042.D

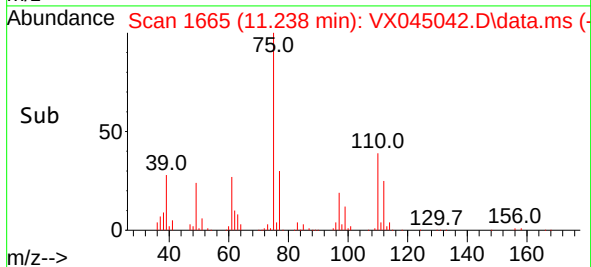
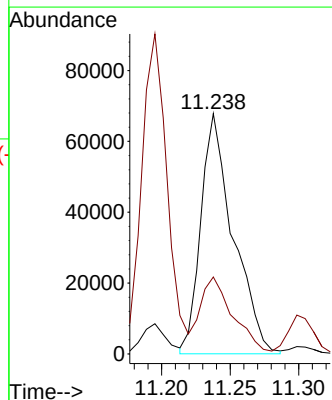
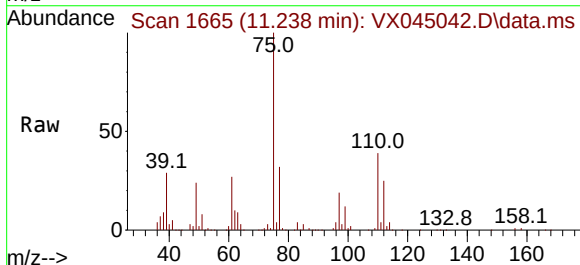
Acq: 25 Feb 2025 16:28

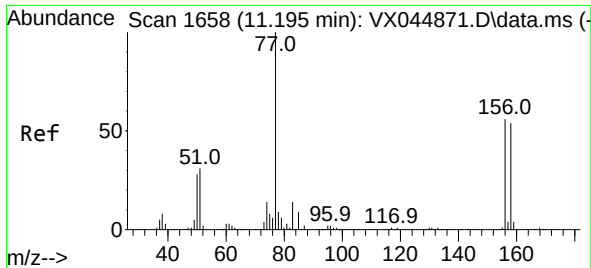
Tgt Ion: 75 Resp: 111607

Ion Ratio Lower Upper

75 100

77 32.6 21.9 65.7

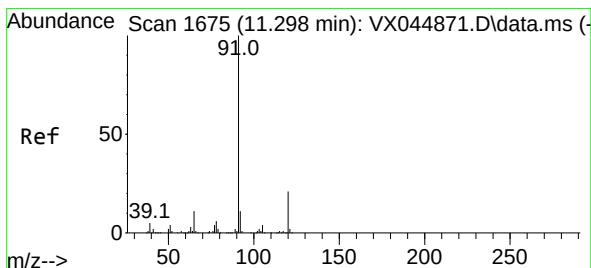
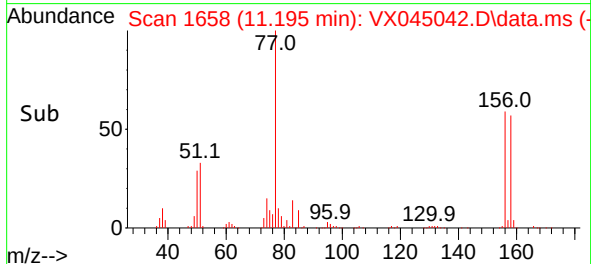
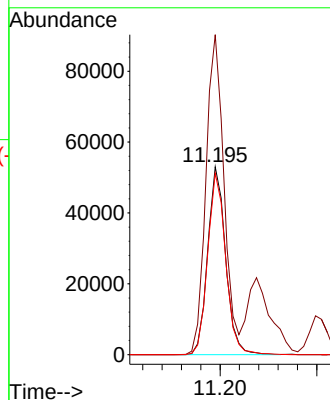
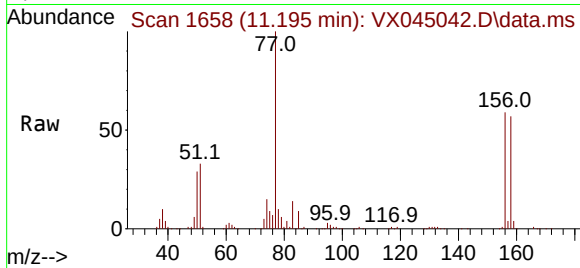




#77
Bromobenzene
Concen: 49.685 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

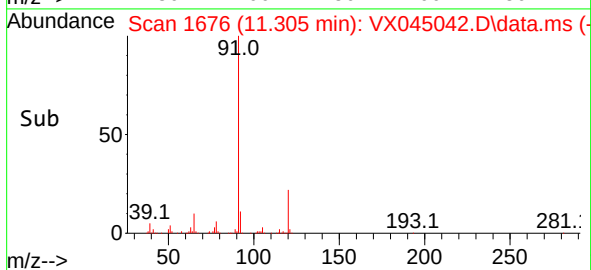
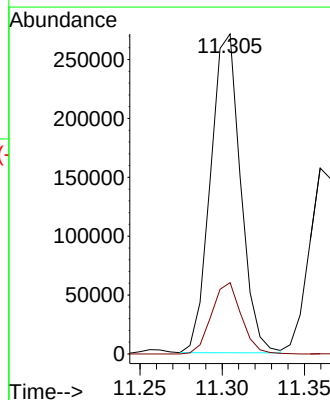
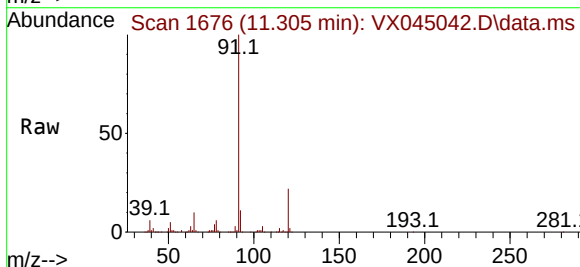
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

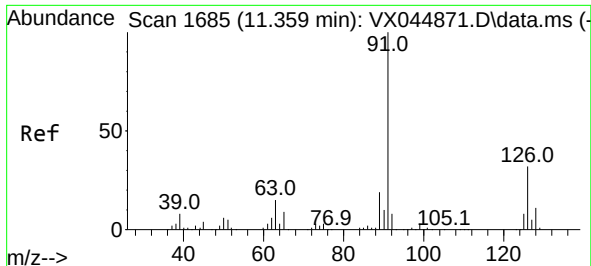
Tgt Ion:156 Resp: 68416
Ion Ratio Lower Upper
156 100
77 171.7 88.4 265.3
158 97.4 48.4 145.2



#78
n-propylbenzene
Concen: 49.208 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 91 Resp: 344974
Ion Ratio Lower Upper
91 100
120 22.1 11.1 33.3

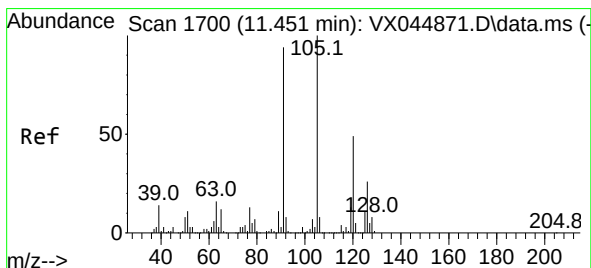
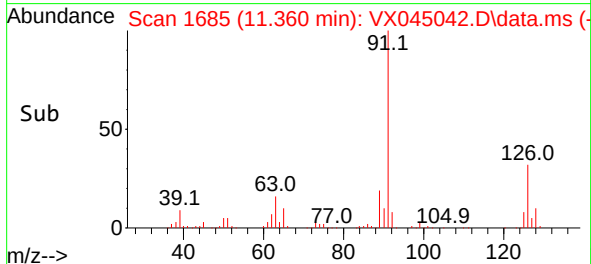
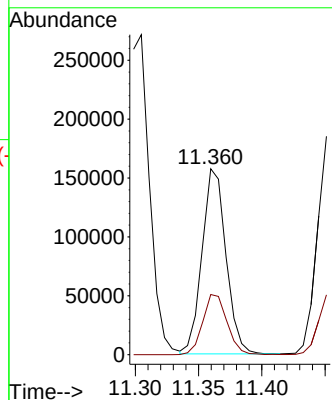
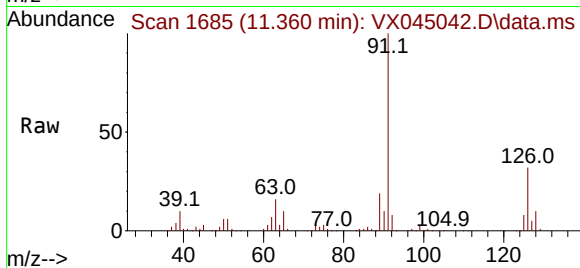




#79
2-Chlorotoluene
Concen: 48.064 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

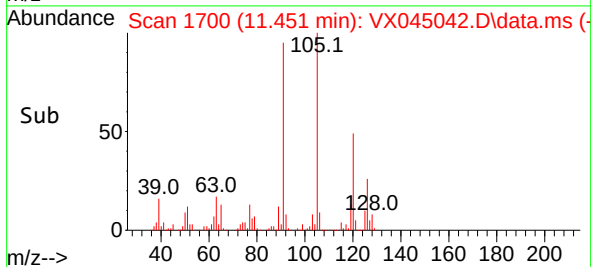
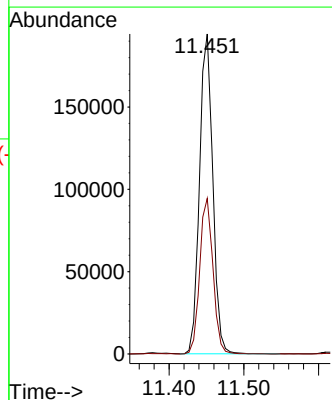
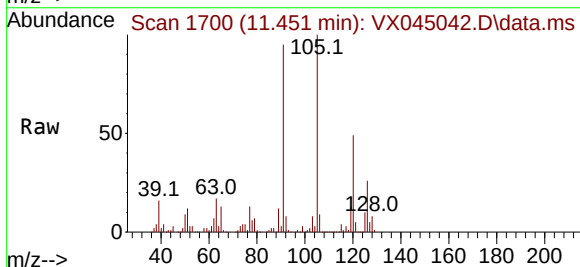
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

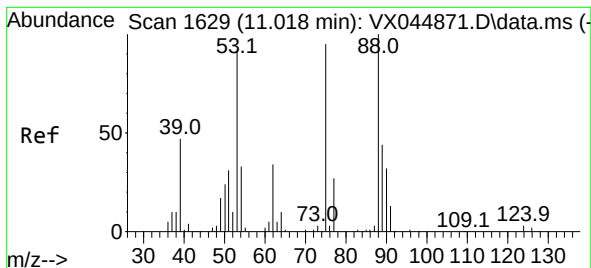
Tgt Ion: 91 Resp: 207089
Ion Ratio Lower Upper
91 100
126 33.1 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 48.584 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 105 Resp: 239463
Ion Ratio Lower Upper
105 100
120 48.6 24.0 72.0

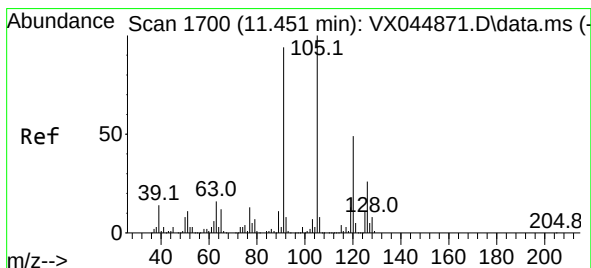
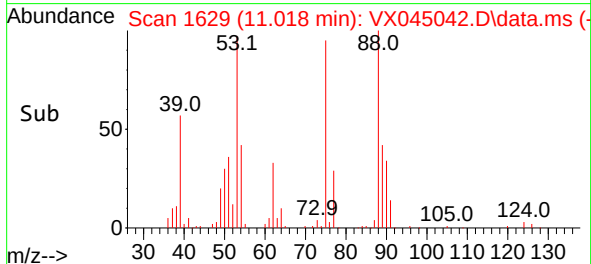
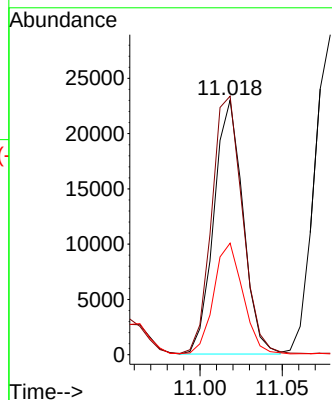
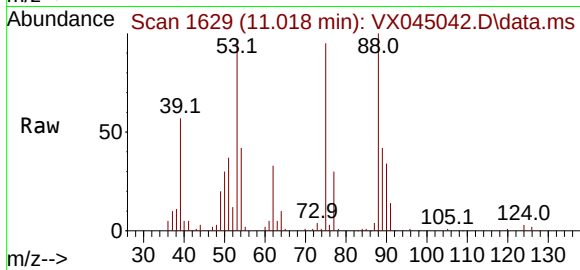




#81
trans-1,4-Dichloro-2-butene
Concen: 43.508 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

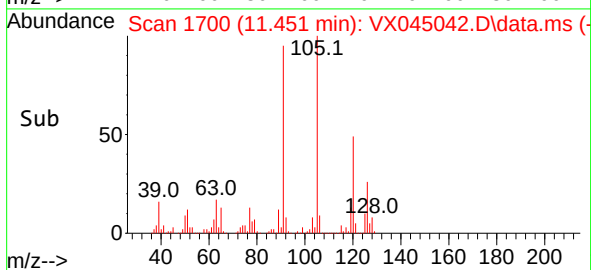
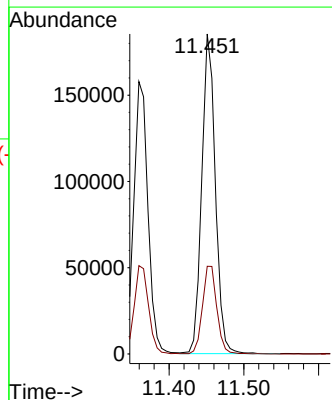
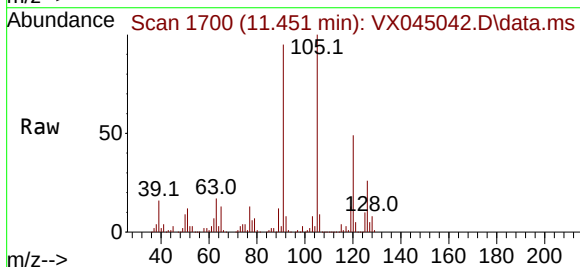
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

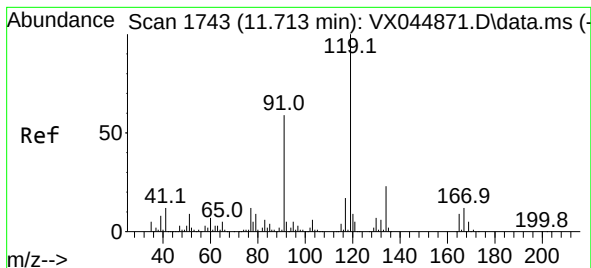
Tgt Ion: 75 Resp: 28287
Ion Ratio Lower Upper
75 100
53 107.6 78.0 117.0
89 43.8 36.6 54.8



#82
4-Chlorotoluene
Concen: 48.941 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 91 Resp: 233290
Ion Ratio Lower Upper
91 100
126 29.1 14.2 42.6





#83

tert-Butylbenzene

Concen: 49.578 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

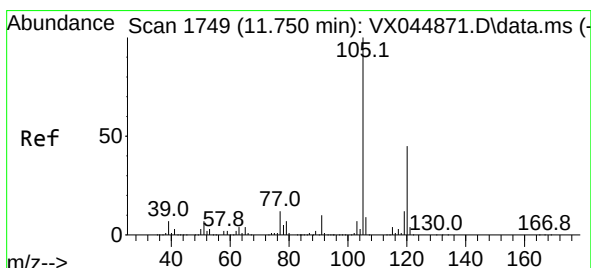
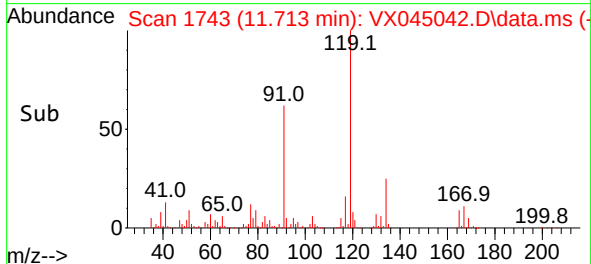
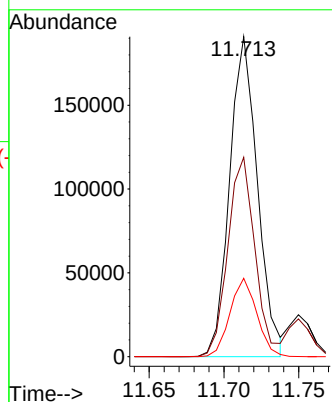
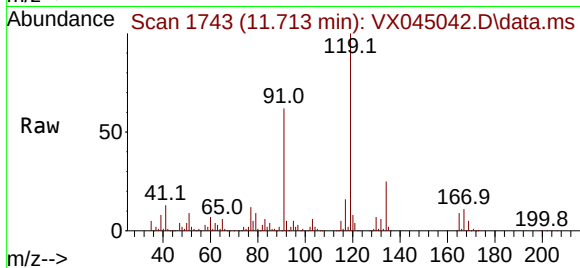
Tgt Ion:119 Resp: 247205

Ion Ratio Lower Upper

119 100

91 61.0 29.1 87.4

134 23.6 11.5 34.5



#84

1,2,4-Trimethylbenzene

Concen: 50.676 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX045042.D

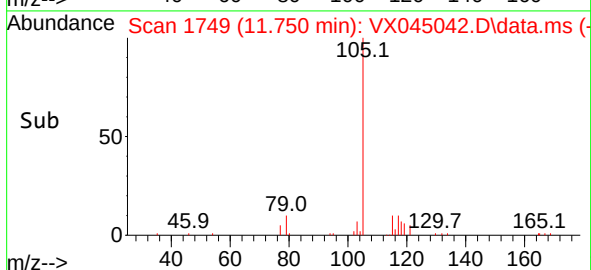
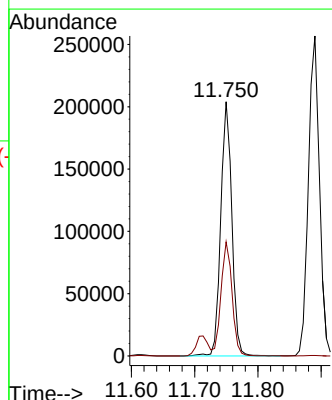
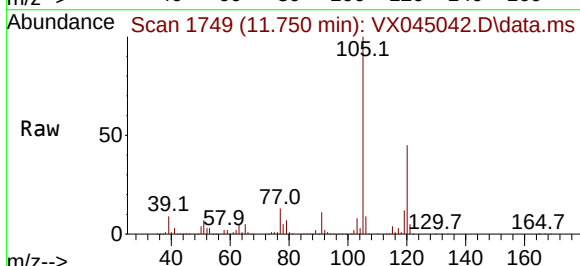
Acq: 25 Feb 2025 16:28

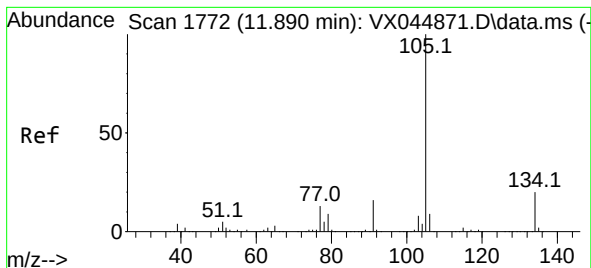
Tgt Ion:105 Resp: 246524

Ion Ratio Lower Upper

105 100

120 44.8 22.4 67.0





#85

sec-Butylbenzene

Concen: 50.503 ug/l

RT: 11.890 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

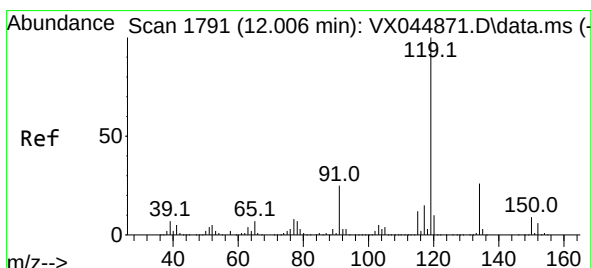
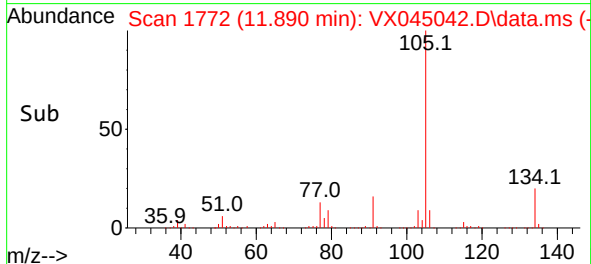
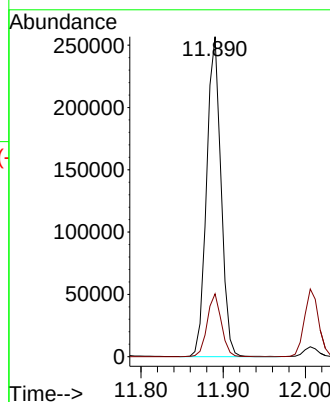
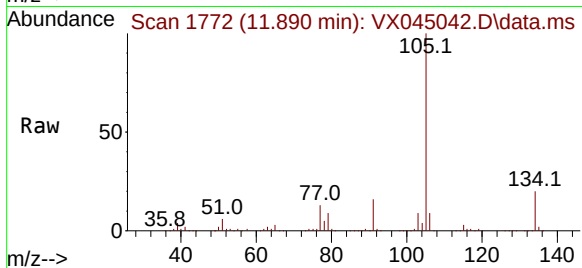
VSTDCCC050EC

Tgt Ion:105 Resp: 311825

Ion Ratio Lower Upper

105 100

134 19.3 9.8 29.3



#86

p-Isopropyltoluene

Concen: 50.912 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

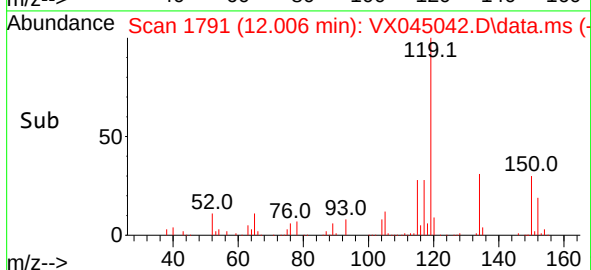
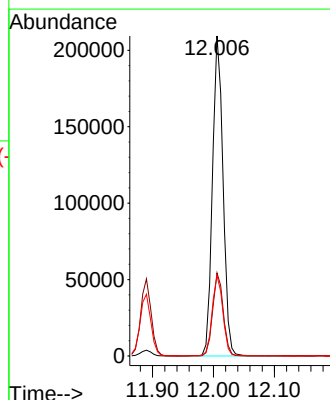
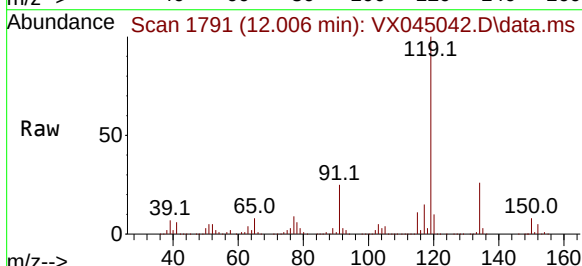
Tgt Ion:119 Resp: 252793

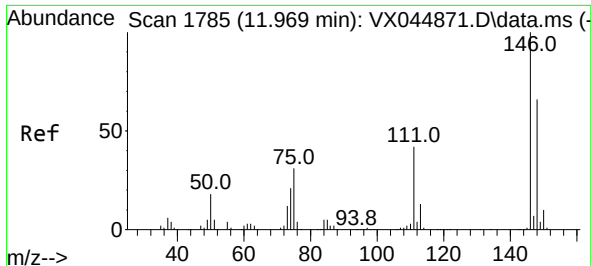
Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 25.3 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 48.698 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

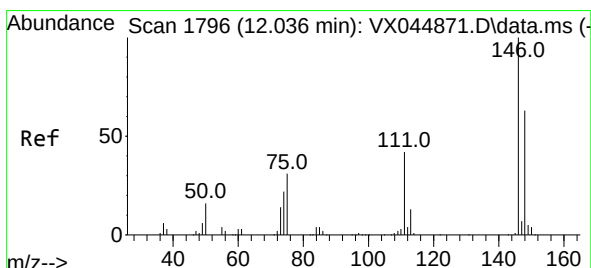
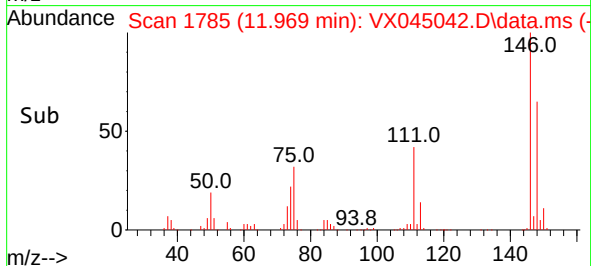
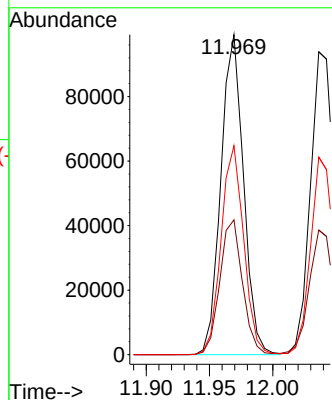
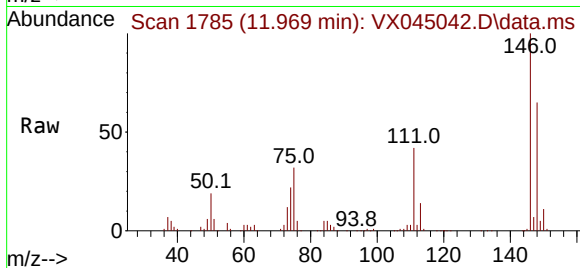
Tgt Ion:146 Resp: 123315

Ion Ratio Lower Upper

146 100

111 42.4 21.2 63.6

148 65.2 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 48.630 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

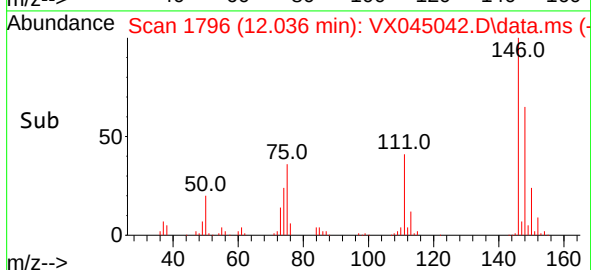
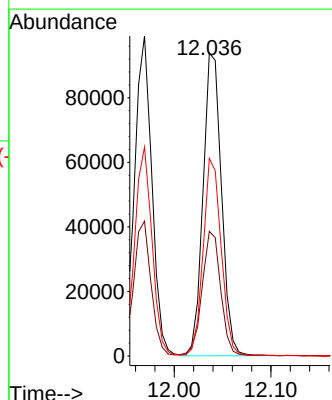
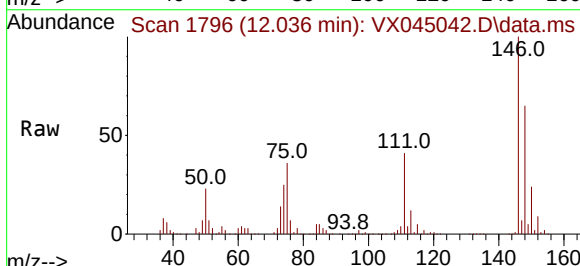
Tgt Ion:146 Resp: 124506

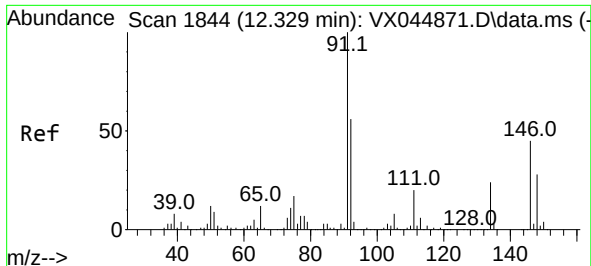
Ion Ratio Lower Upper

146 100

111 41.2 20.4 61.3

148 64.1 32.0 96.0





#89

n-Butylbenzene

Concen: 52.268 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

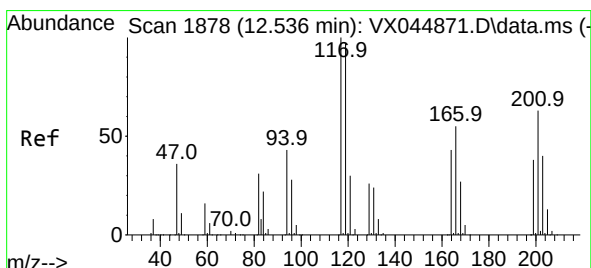
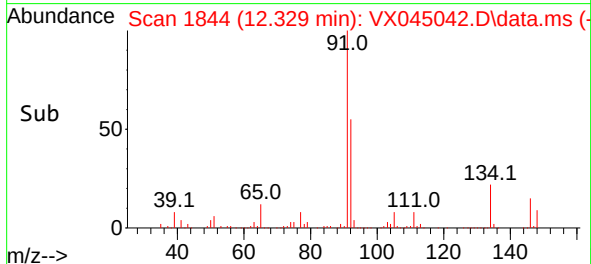
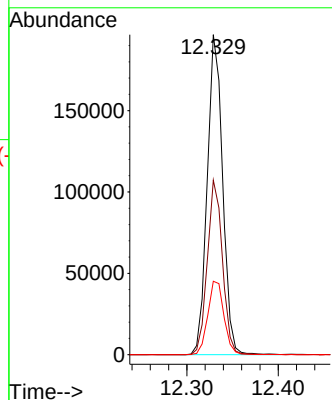
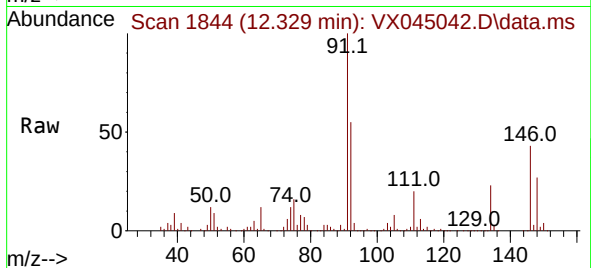
Tgt Ion: 91 Resp: 229601

Ion Ratio Lower Upper

91 100

92 53.7 27.2 81.6

134 24.1 12.1 36.3



#90

Hexachloroethane

Concen: 47.456 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX045042.D

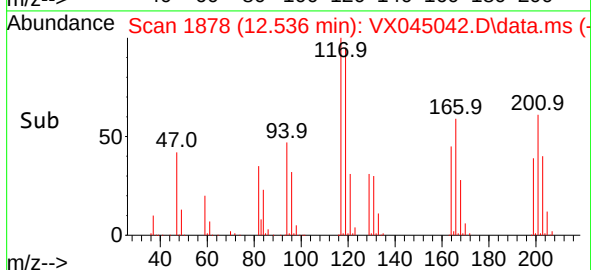
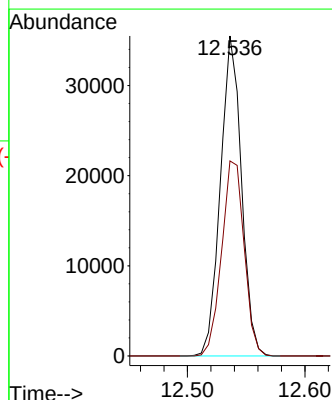
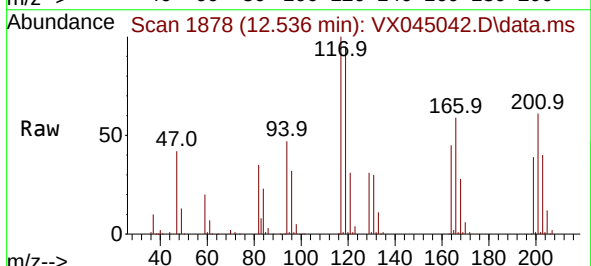
Acq: 25 Feb 2025 16:28

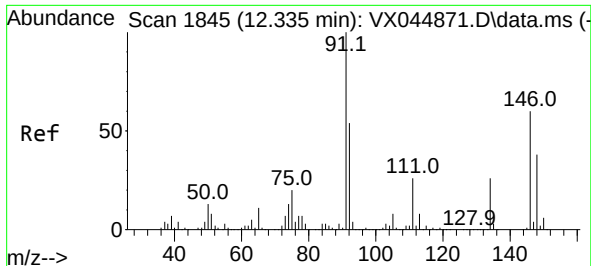
Tgt Ion: 117 Resp: 44121

Ion Ratio Lower Upper

117 100

201 65.3 32.5 97.5

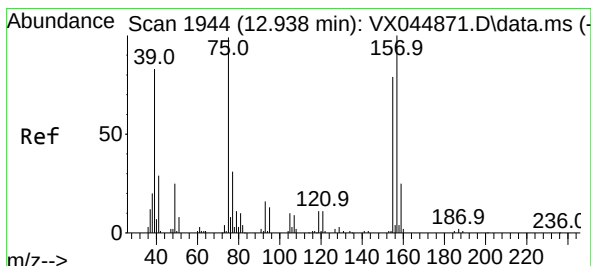
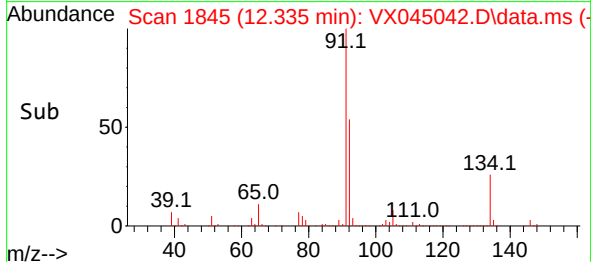
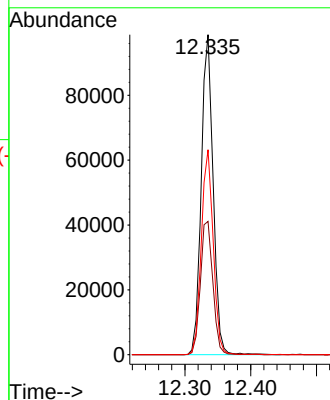
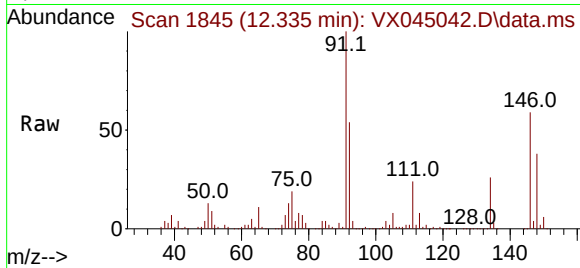




#91
1,2-Dichlorobenzene
Concen: 49.733 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

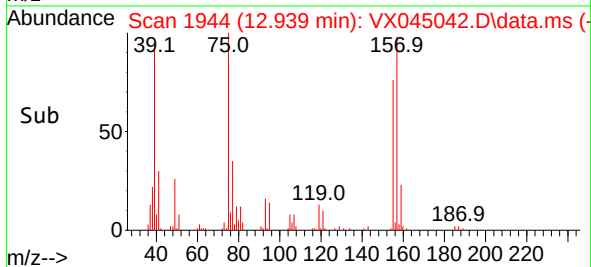
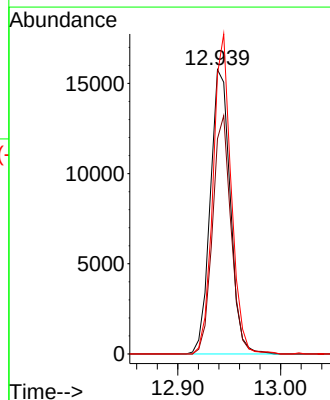
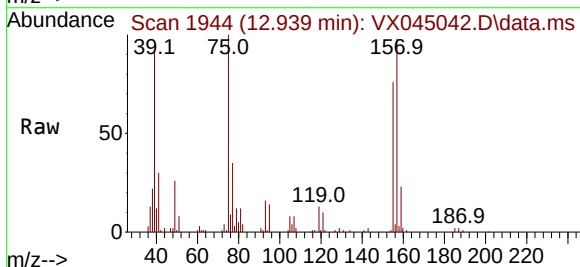
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

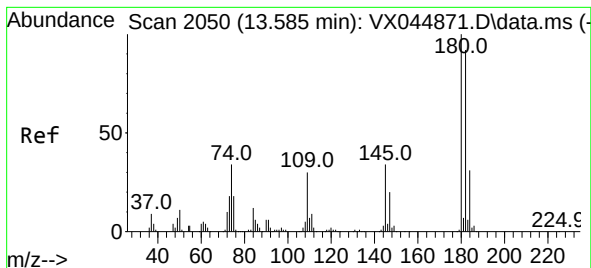
Tgt Ion:146 Resp: 123772
Ion Ratio Lower Upper
146 100
111 43.7 21.8 65.4
148 64.2 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 55.778 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion: 75 Resp: 21247
Ion Ratio Lower Upper
75 100
155 77.8 40.5 121.4
157 102.0 51.4 154.3





#93

1,2,4-Trichlorobenzene

Concen: 50.067 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

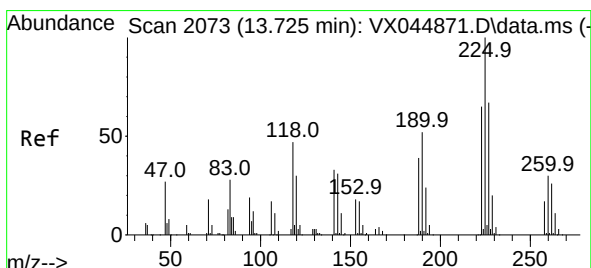
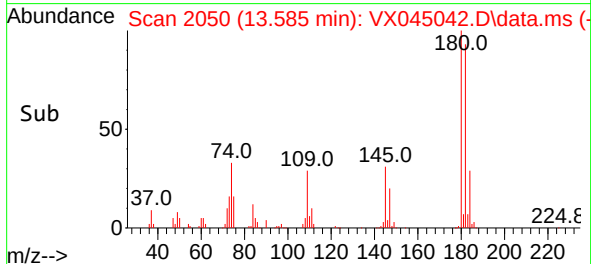
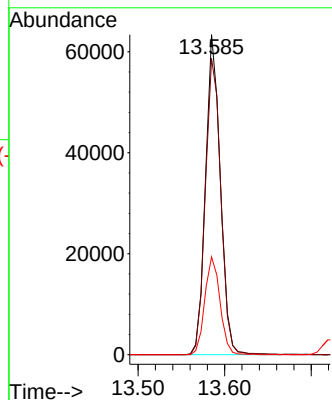
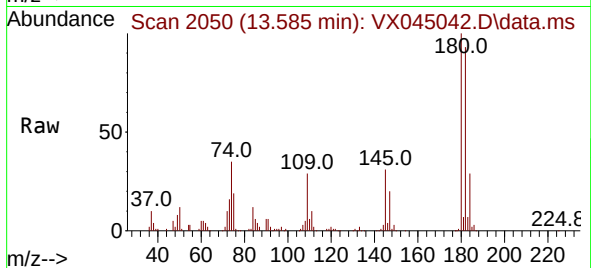
Tgt Ion:180 Resp: 75398

Ion Ratio Lower Upper

180 100

182 96.4 47.6 142.8

145 31.3 16.4 49.1



#94

Hexachlorobutadiene

Concen: 52.565 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX045042.D

Acq: 25 Feb 2025 16:28

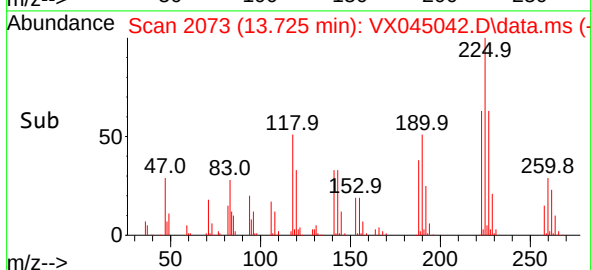
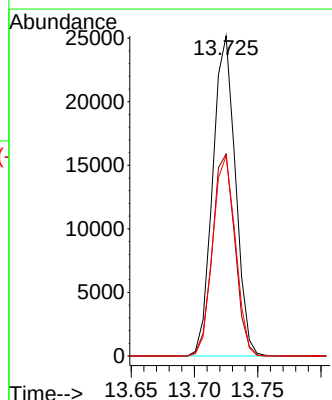
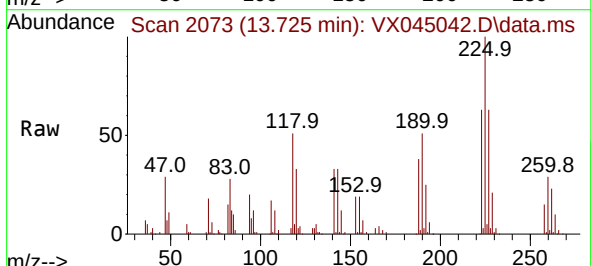
Tgt Ion:225 Resp: 31425

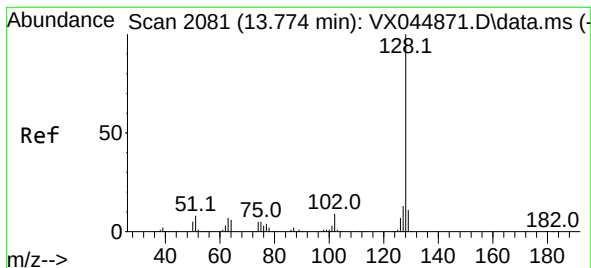
Ion Ratio Lower Upper

225 100

223 62.3 31.4 94.2

227 62.4 32.3 96.8

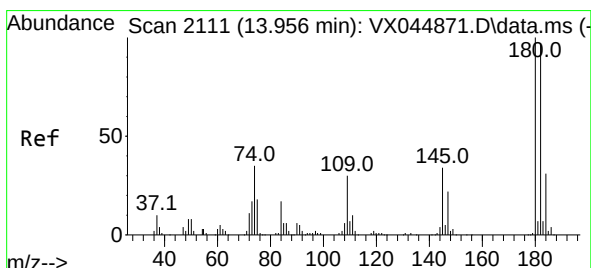
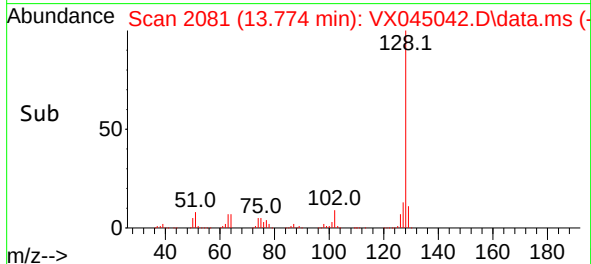
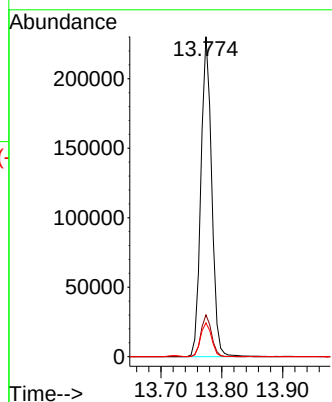
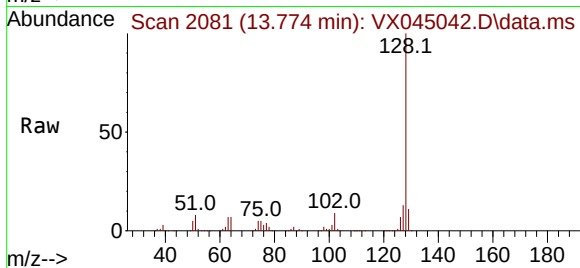




#95
Naphthalene
Concen: 51.898 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

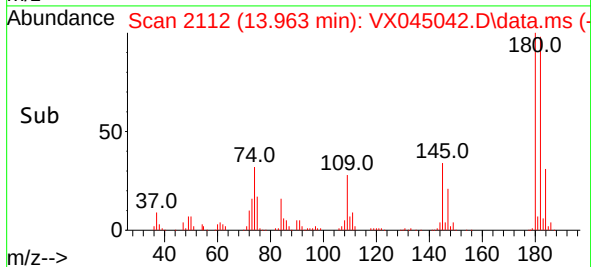
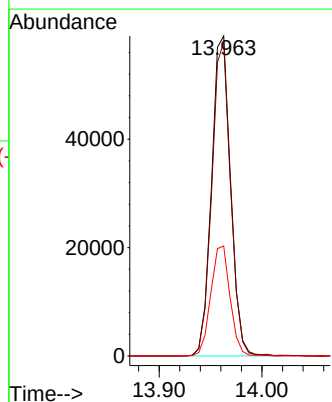
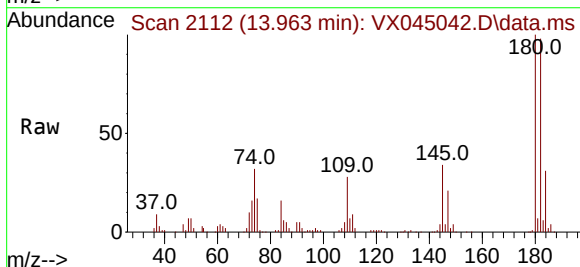
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 282517
Ion Ratio Lower Upper
128 100
127 13.0 10.1 15.1
129 10.8 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 50.145 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045042.D
Acq: 25 Feb 2025 16:28

Tgt Ion:180 Resp: 76093
Ion Ratio Lower Upper
180 100
182 96.6 47.9 143.6
145 34.9 17.1 51.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX022825\
 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

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	5.964	65	2512	1.537	ug/l	0.01
Spiked Amount	50.000	Range	74 - 125	Recovery	=	3.080%#
35) Dibromofluoromethane	5.391	113	1752	1.389	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	2.780%#
50) Toluene-d8	8.653	98	5691	1.244	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	2.480%#
62) 4-Bromofluorobenzene	11.085	95	1685	1.112	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	2.220%#
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
5) Bromomethane	1.593	94	824	1.335	ug/l	99
6) Chloroethane	1.673	64	1228	1.591	ug/l #	74
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-Trichlorotrifluoro...	2.319	101	1081	0.884	ug/l	87
10) Methyl Iodide	2.447	142	1156	0.775	ug/l #	96
11) Tert butyl alcohol	2.941	59	5356	17.299	ug/l #	73
12) 1,1-Dichloroethene	2.313	96	1251	0.991	ug/l	92
13) Acrolein	2.239	56	1756	4.906	ug/l	98
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
31) Cyclohexane	5.465	56	1875	0.843	ug/l	90
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	1582	0.703	ug/l #	70
38) Carbon Tetrachloride	5.660	117	588	0.332	ug/l #	81
39) Methylcyclohexane	7.385	83	1750	0.831	ug/l	88
40) Benzene	6.031	78	4984	0.907	ug/l	99

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.958	41	912	0.748	ug/l #	80
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
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	1125	0.699	ug/l #	61
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	1878	1.246	ug/l	86
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
81) trans-1,4-Dichloro-2-b...	11.031	75	285	0.646	ug/l #	81
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	11.976	146	1948	0.900	ug/l	97
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

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

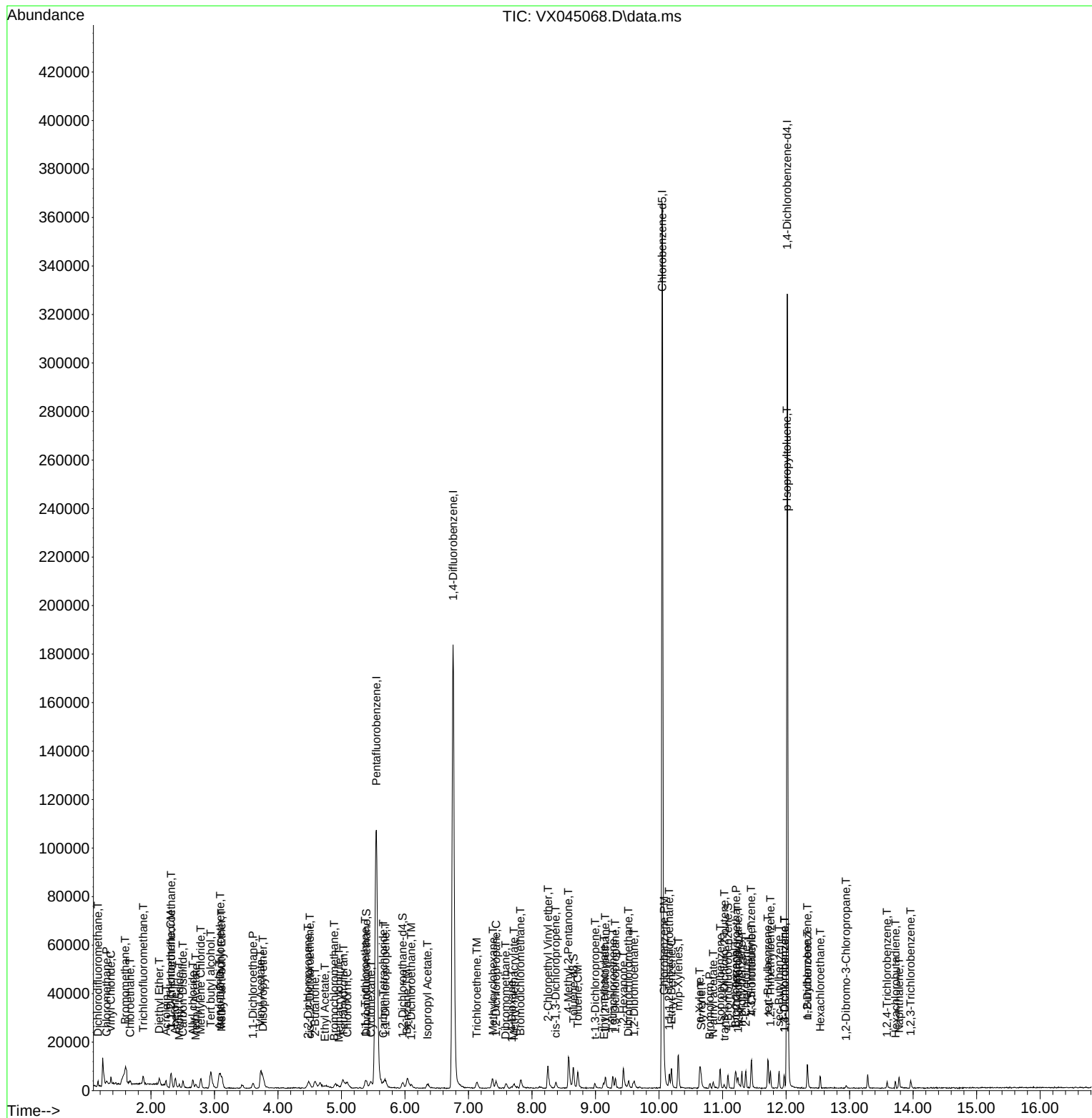
Quant Time: Feb 28 06:28:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration

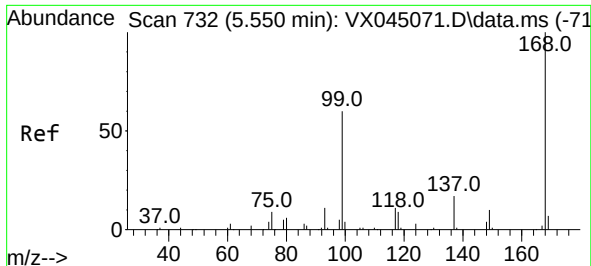
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

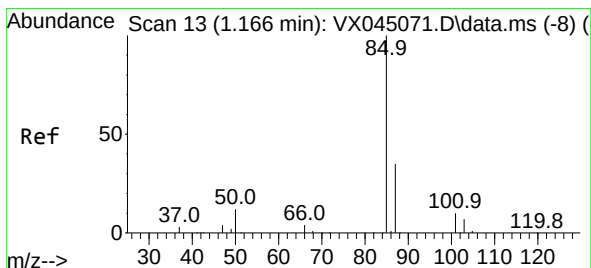
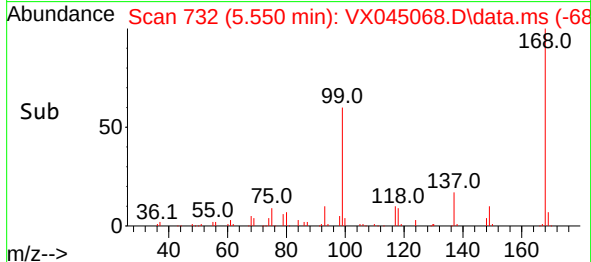
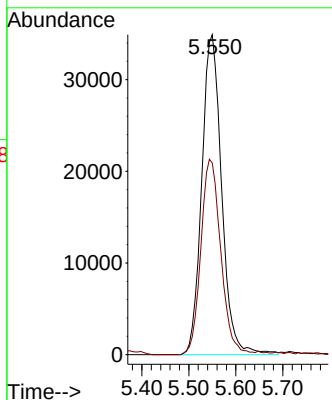
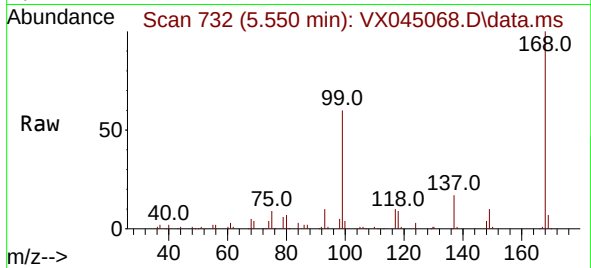




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

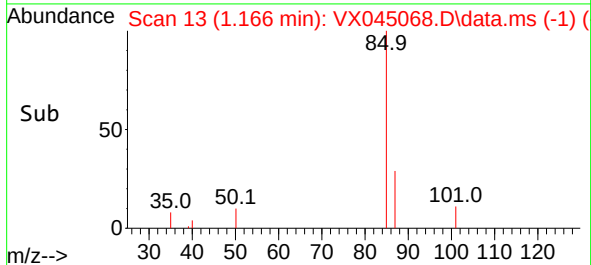
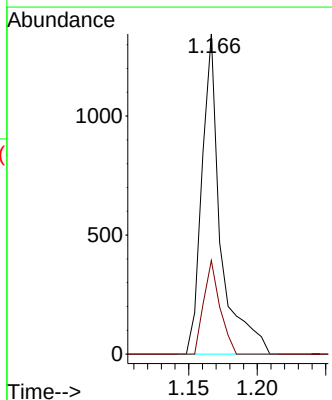
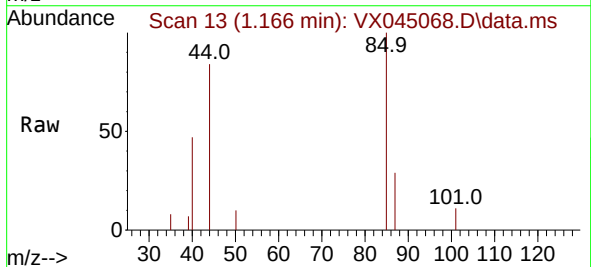
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

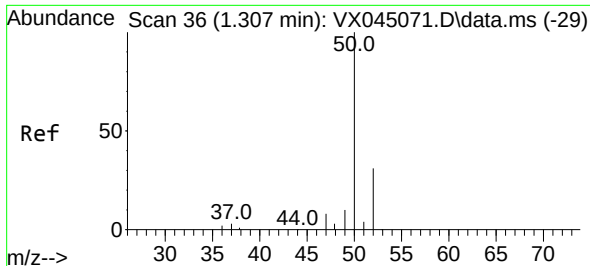
Tgt Ion:168 Resp: 102761
Ion Ratio Lower Upper
168 100
99 59.9 48.2 72.4



#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

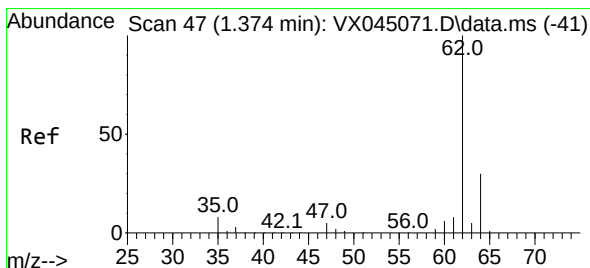
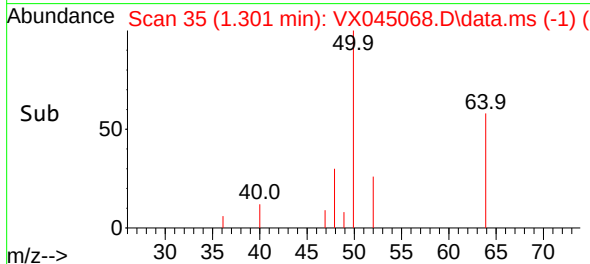
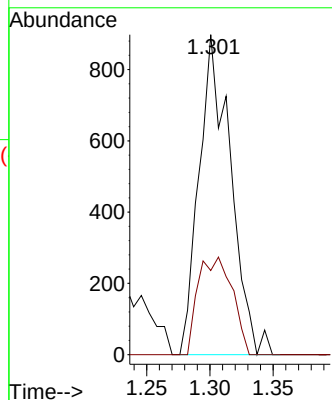
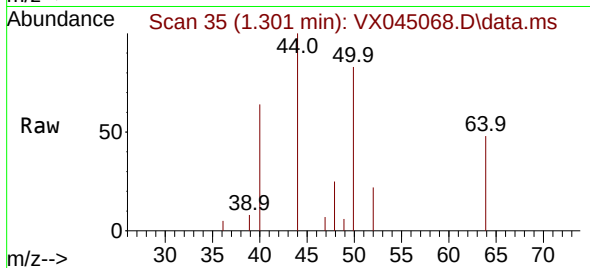




#3
Chloromethane
Concen: 0.975 ug/l
RT: 1.301 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

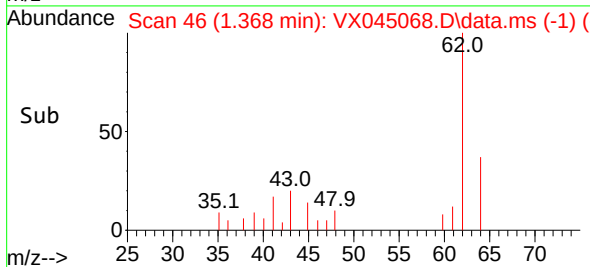
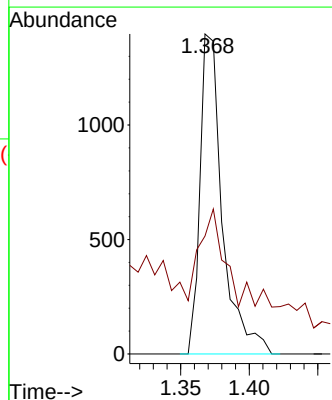
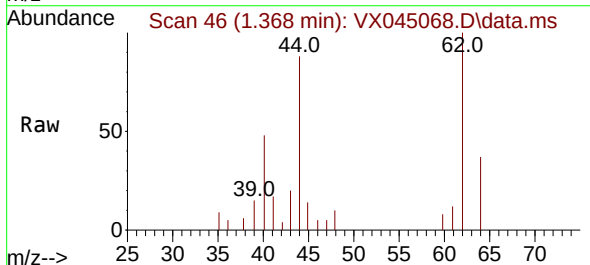
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

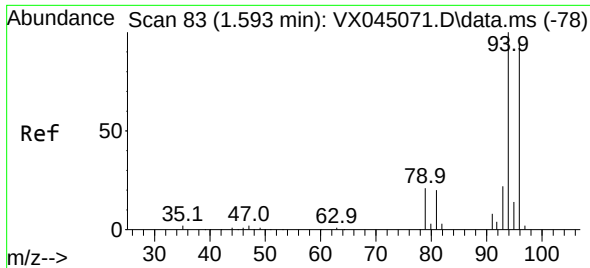
Tgt Ion: 50 Resp: 1552
Ion Ratio Lower Upper
50 100
52 26.3 25.0 37.4



#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#

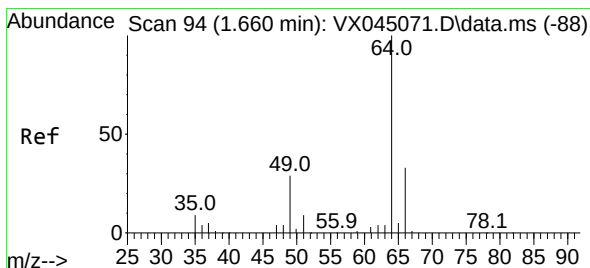
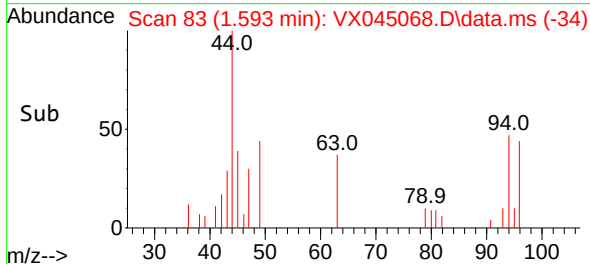
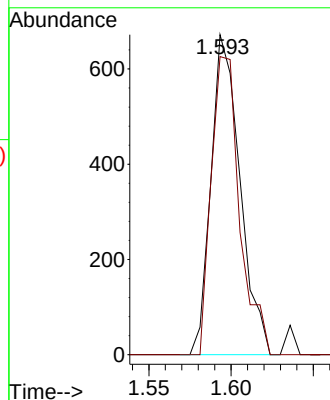
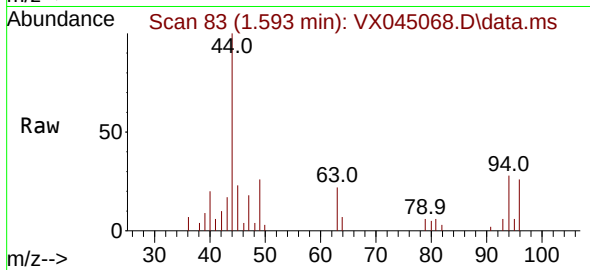




#5
Bromomethane
Concen: 1.335 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

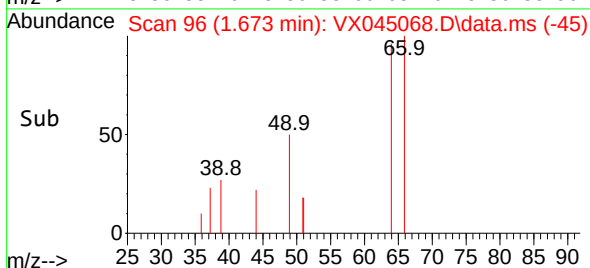
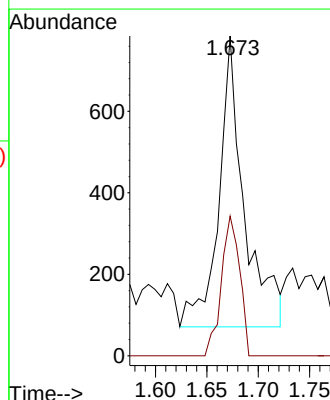
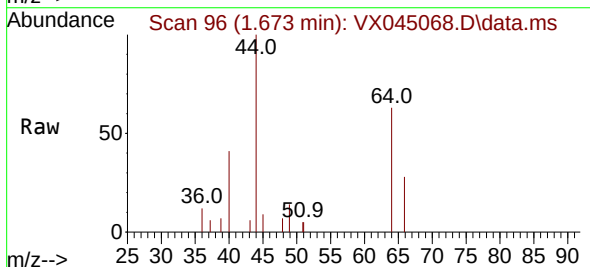
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

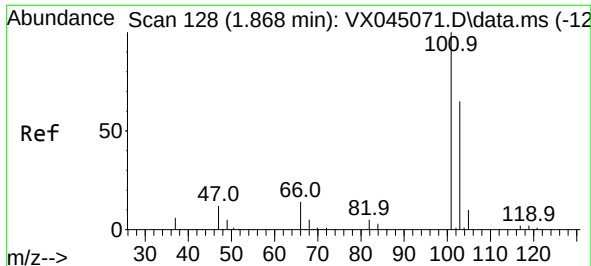
Tgt Ion: 94 Resp: 824
Ion Ratio Lower Upper
94 100
96 93.2 75.0 112.4



#6
Chloroethane
Concen: 1.591 ug/l
RT: 1.673 min Scan# 96
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 64 Resp: 1228
Ion Ratio Lower Upper
64 100
66 48.0 26.7 40.1#

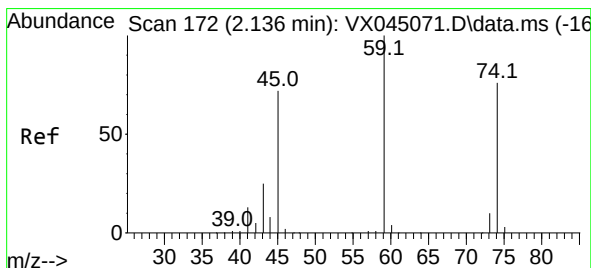
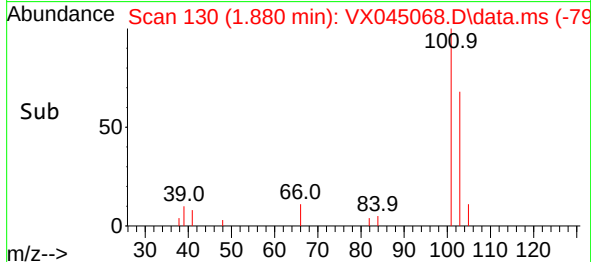
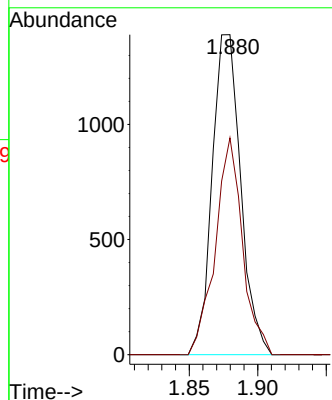
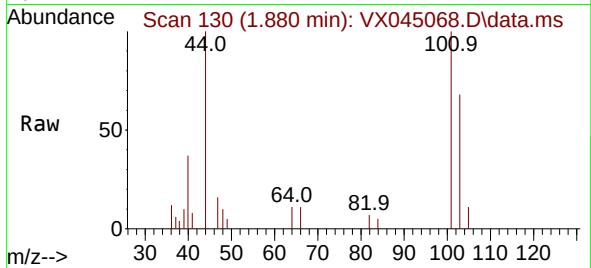




#7
Trichlorofluoromethane
Concen: 0.957 ug/l
RT: 1.880 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

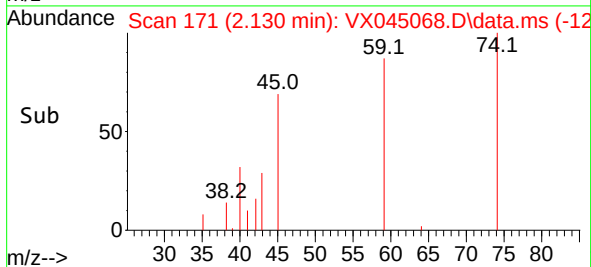
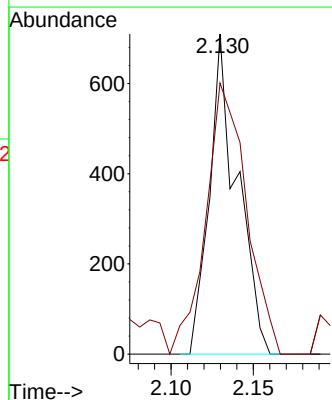
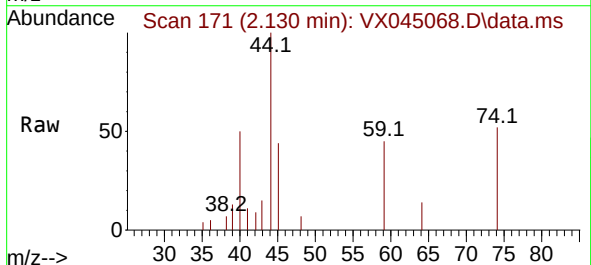
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

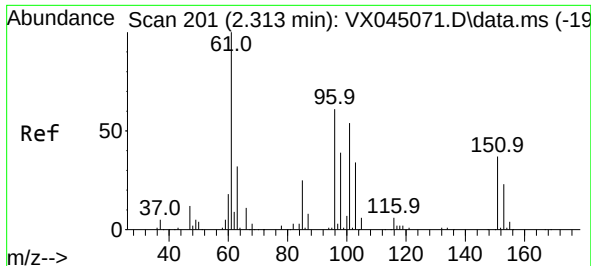
Tgt Ion:101 Resp: 2011
Ion Ratio Lower Upper
101 100
103 67.8 52.1 78.1



#8
Diethyl Ether
Concen: 1.045 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 74 Resp: 835
Ion Ratio Lower Upper
74 100
45 123.5 51.5 154.5

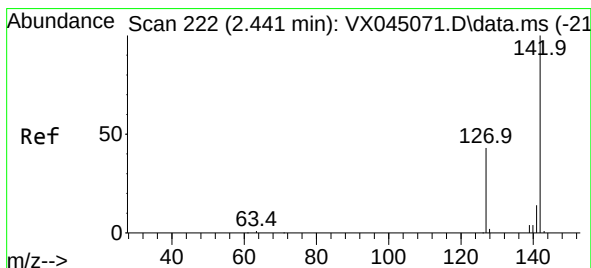
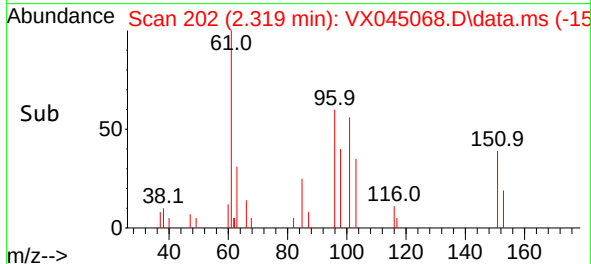
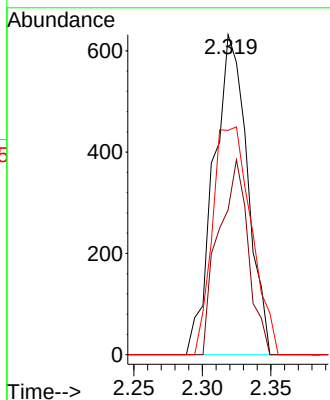
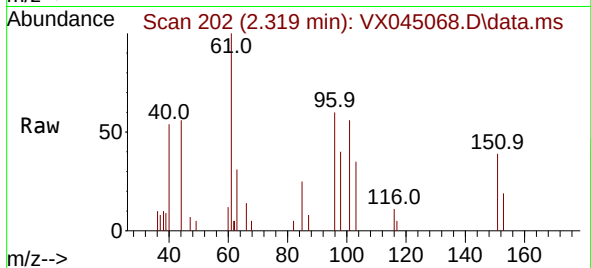




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.884 ug/l
RT: 2.319 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

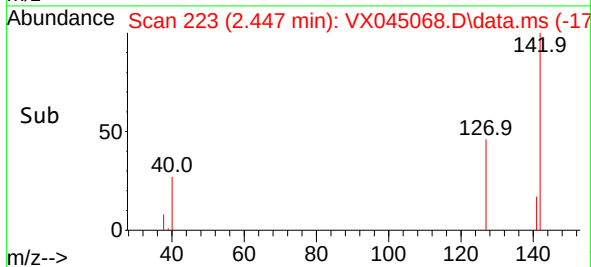
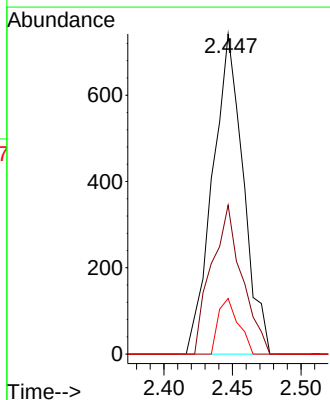
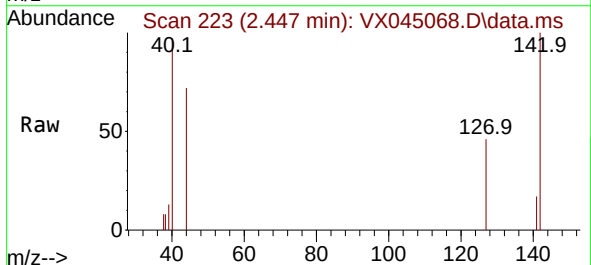
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

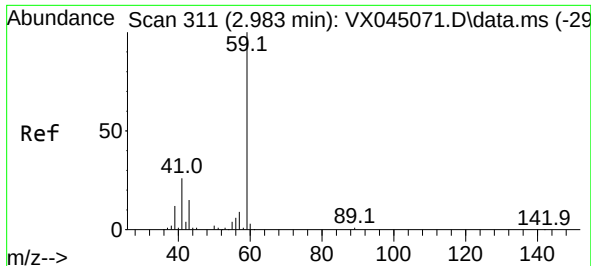
Tgt Ion:	101	Resp:	1081
Ion	Ratio	Lower	Upper
101	100		
85	53.7	36.2	54.4
151	81.9	56.4	84.6



#10
Methyl Iodide
Concen: 0.775 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:	142	Resp:	1156
Ion	Ratio	Lower	Upper
142	100		
127	46.3	35.4	53.2
141	11.3	11.6	17.4

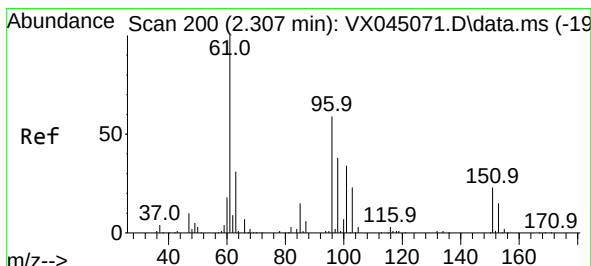
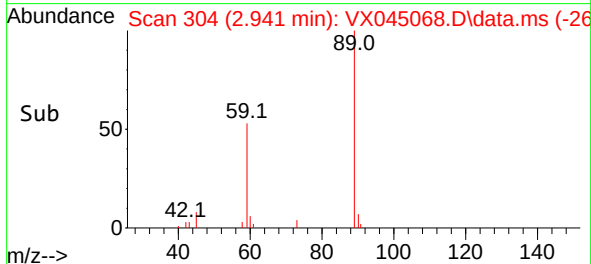
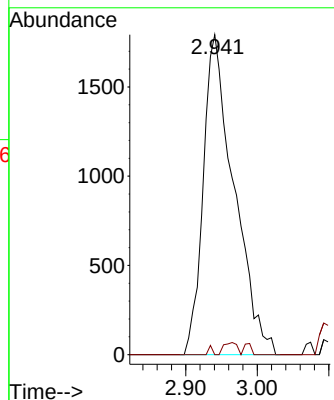
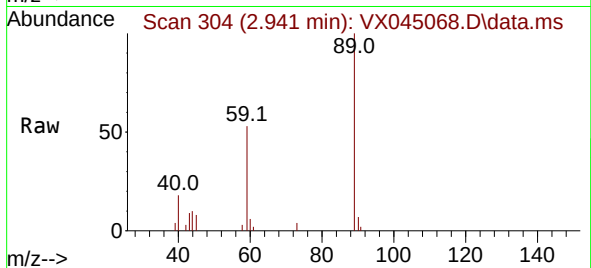




#11
Tert butyl alcohol
Concen: 17.299 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

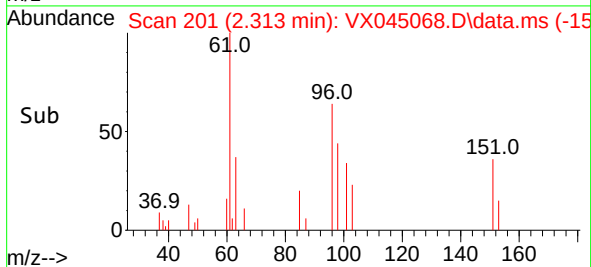
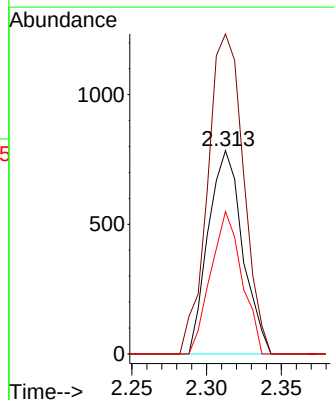
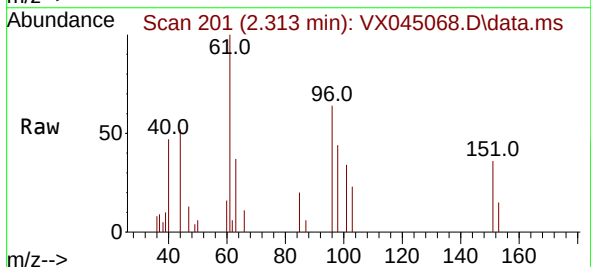
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

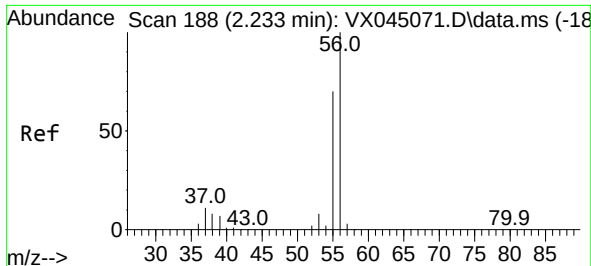
Tgt Ion: 59 Resp: 5356
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 0.991 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 96 Resp: 1251
Ion Ratio Lower Upper
96 100
61 157.4 134.6 202.0
98 70.0 51.0 76.6

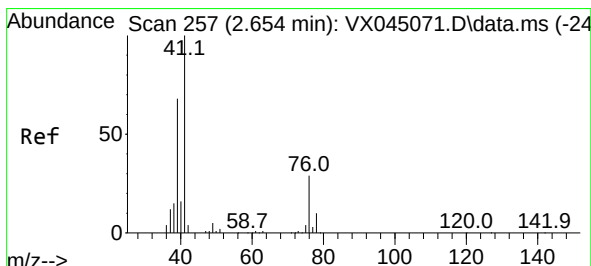
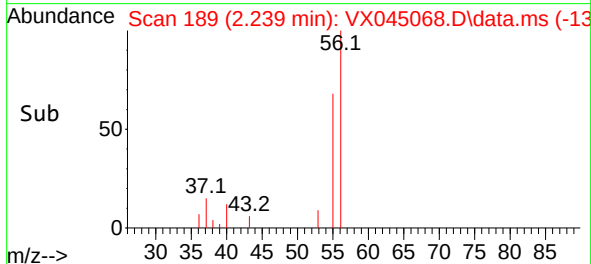
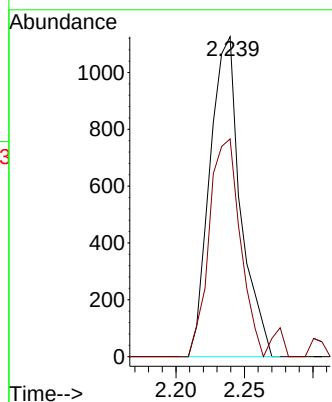
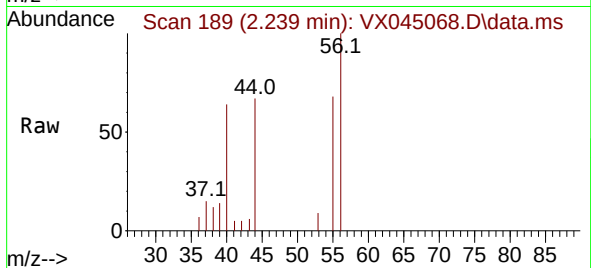




#13
Acrolein
Concen: 4.906 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

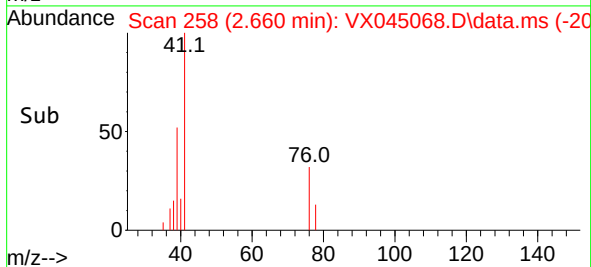
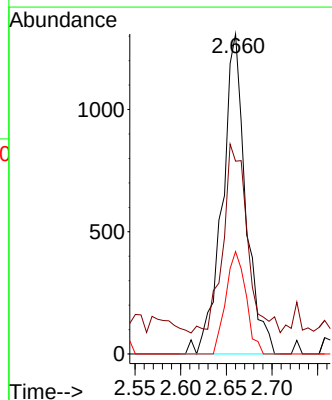
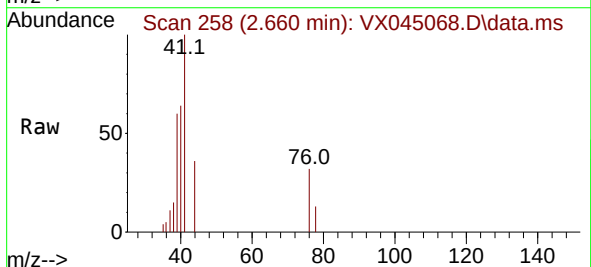
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

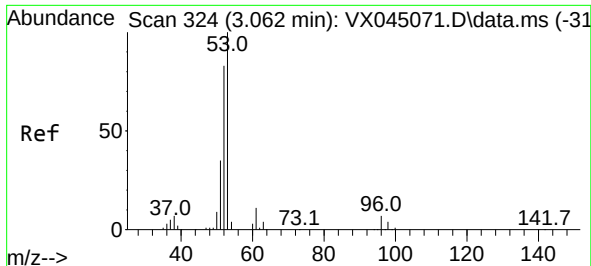
Tgt Ion: 56 Resp: 1756
Ion Ratio Lower Upper
56 100
55 68.8 56.2 84.4



#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

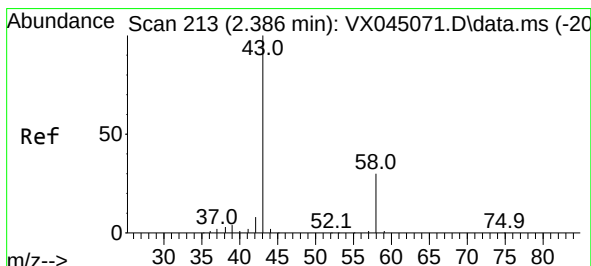
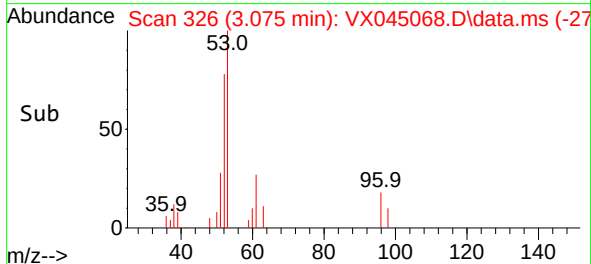
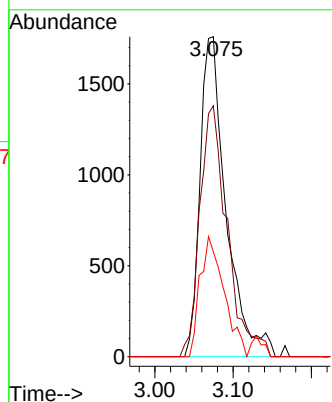
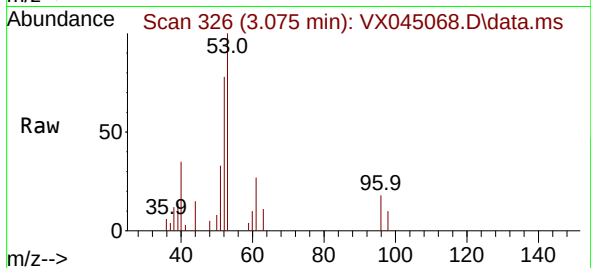




#15
Acrylonitrile
Concen: 4.931 ug/l
RT: 3.075 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

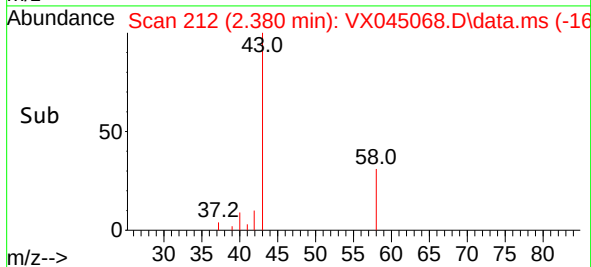
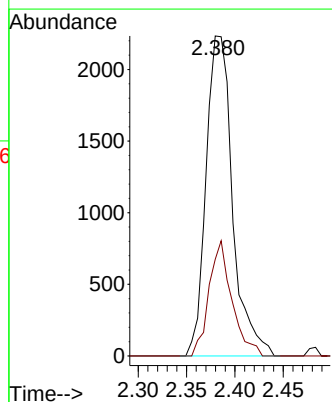
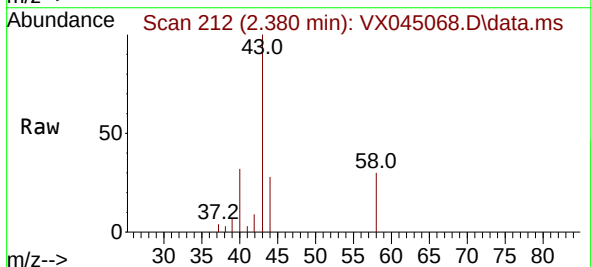
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

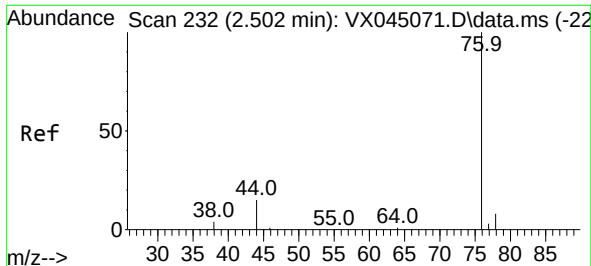
Tgt Ion:	53	Resp:	4067
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.2
51	34.6	29.0	43.4



#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

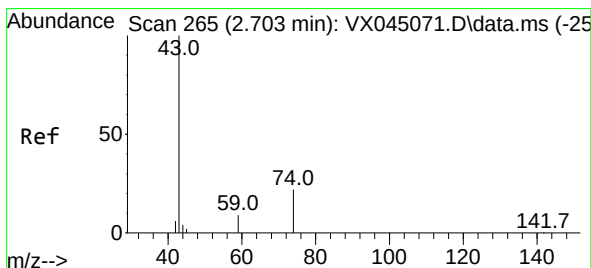
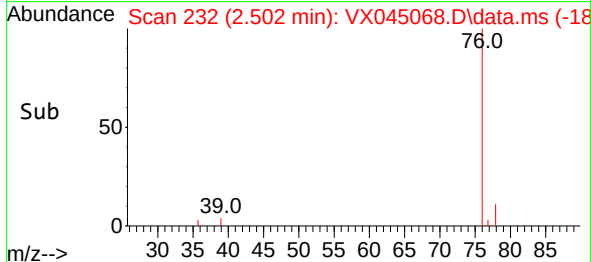
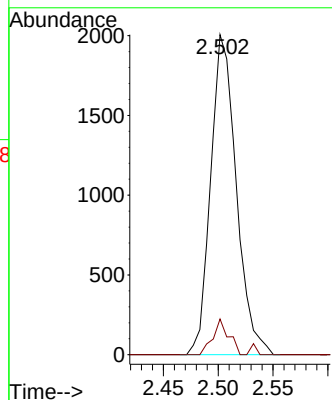
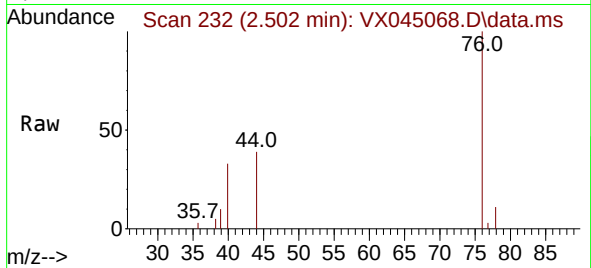




#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

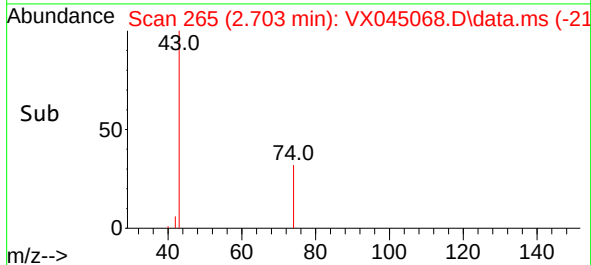
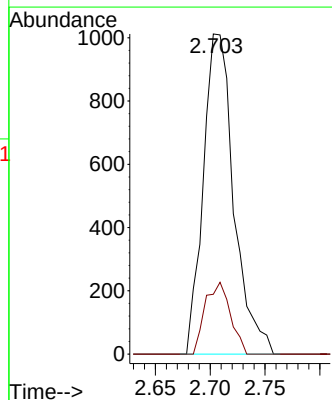
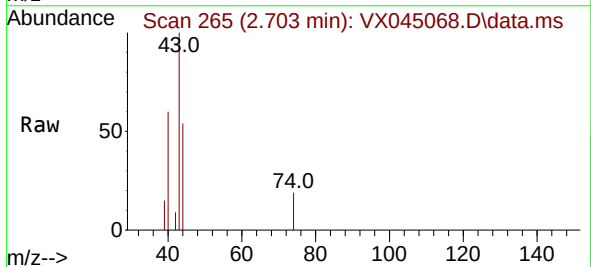
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

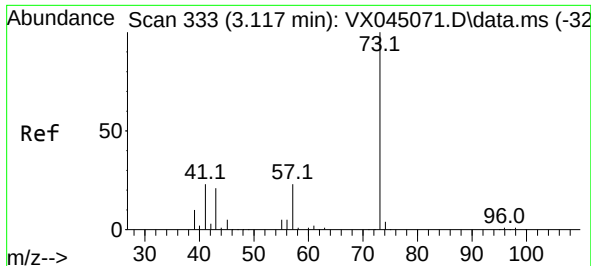
Tgt Ion: 76 Resp: 3256
Ion Ratio Lower Upper
76 100
78 11.2 6.6 9.8#



#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

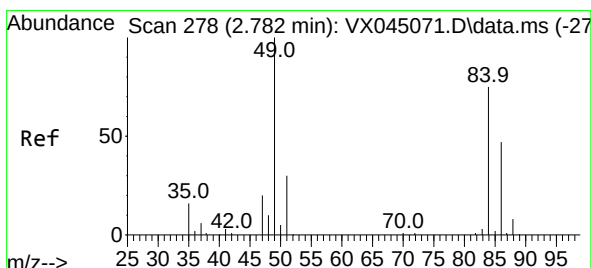
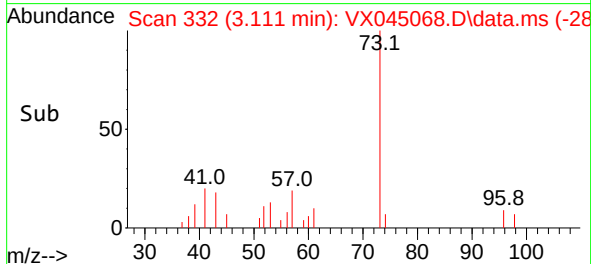
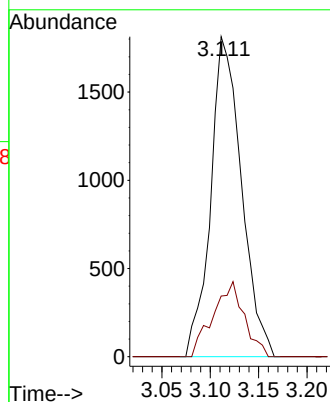
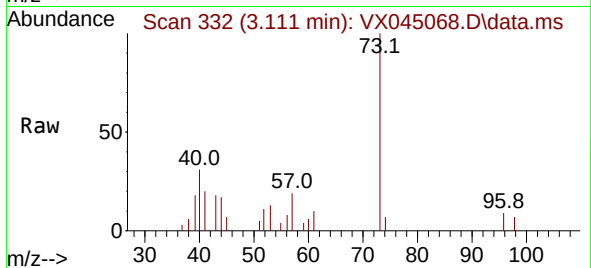




#19
Methyl tert-butyl Ether
Concen: 0.943 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

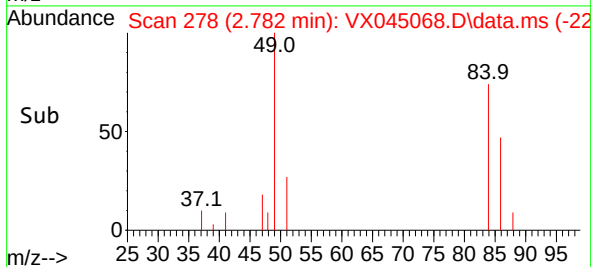
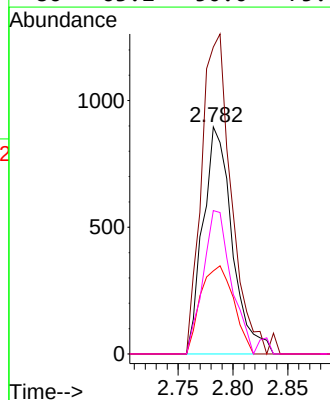
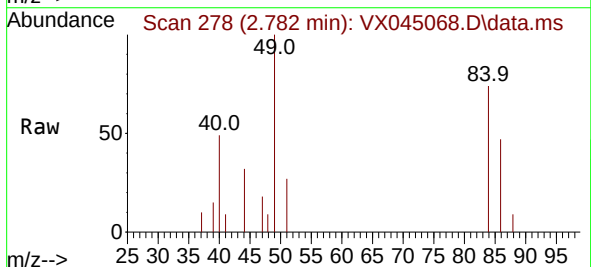
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

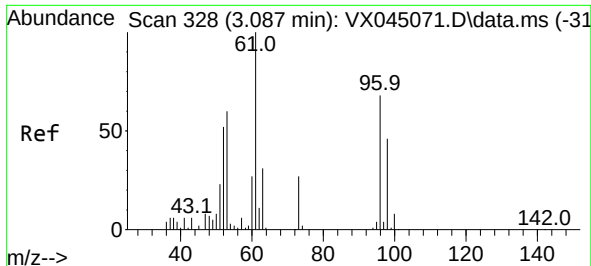
Tgt Ion: 73 Resp: 4017
Ion Ratio Lower Upper
73 100
57 19.0 18.5 27.7



#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

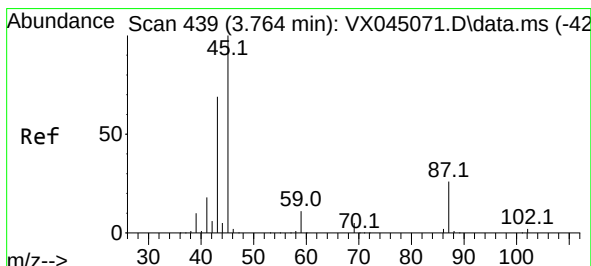
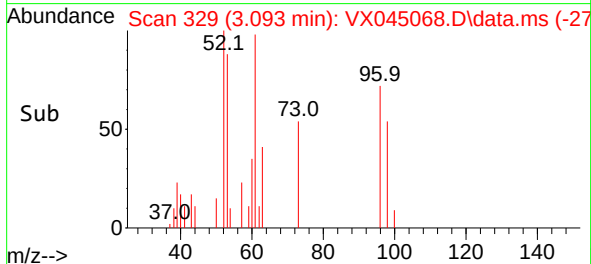
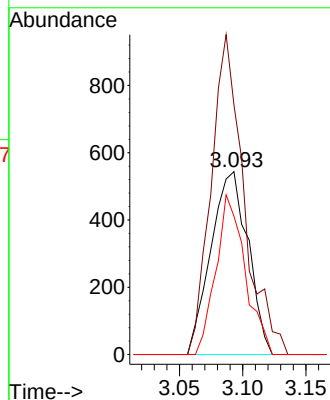
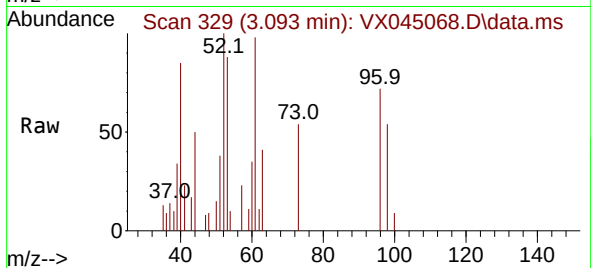




#21
trans-1,2-Dichloroethene
Concen: 0.869 ug/l
RT: 3.093 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

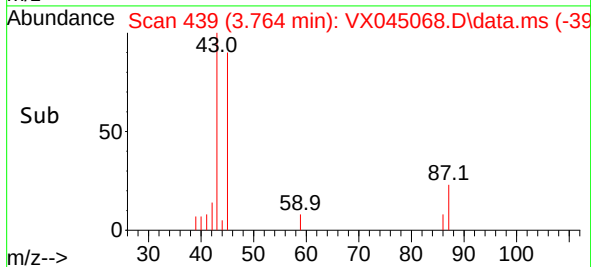
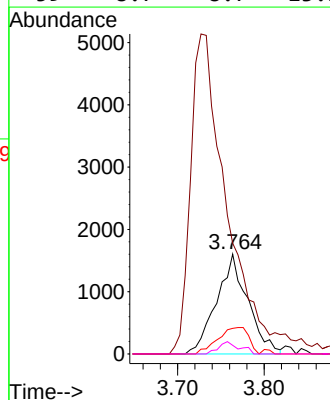
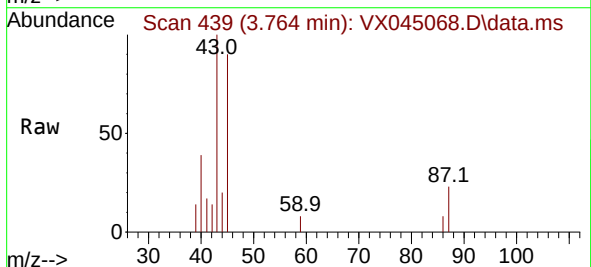
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

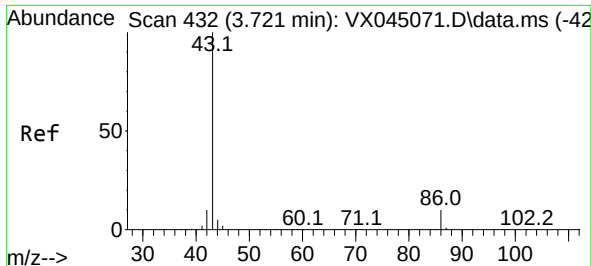
Tgt Ion: 96 Resp: 1109
Ion Ratio Lower Upper
96 100
61 136.4 117.0 175.4
98 75.6 53.4 80.2



#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

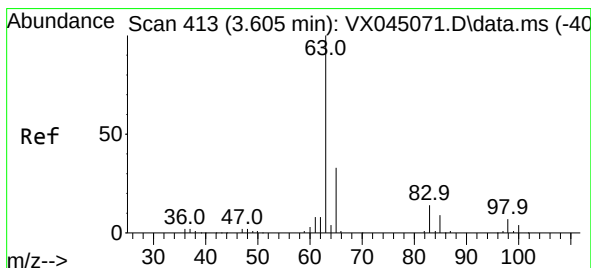
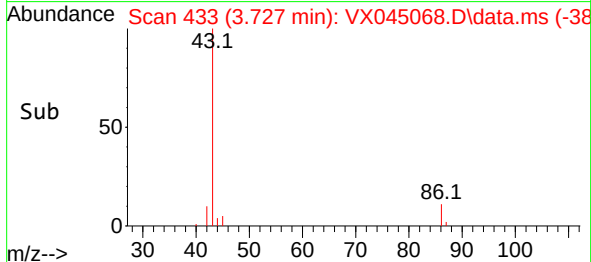
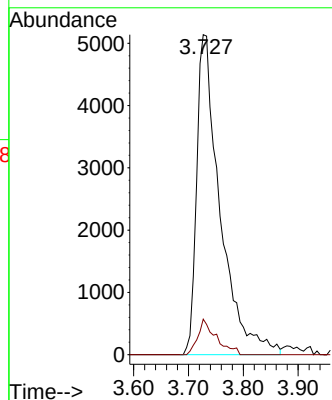
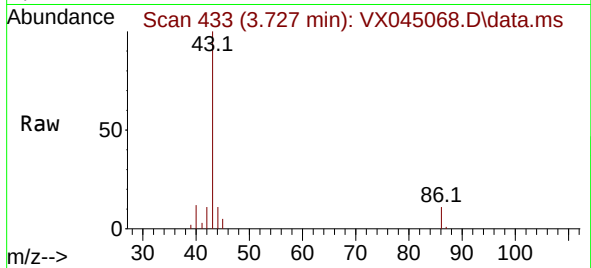




#23
 Vinyl Acetate
 Concen: 3.971 ug/l
 RT: 3.727 min Scan# 413
 Delta R.T. 0.006 min
 Lab File: VX045068.D
 Acq: 28 Feb 2025 01:27

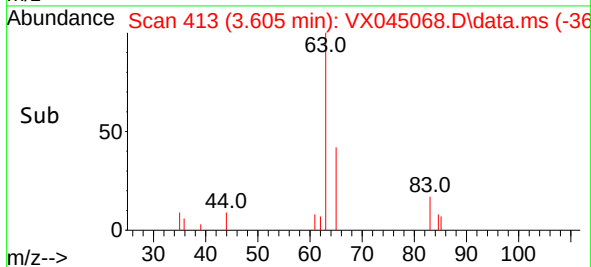
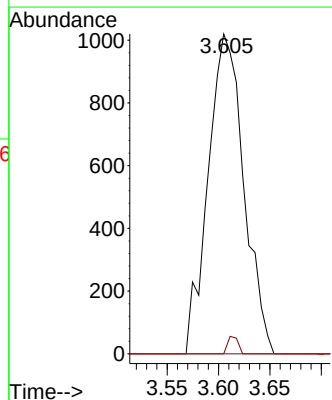
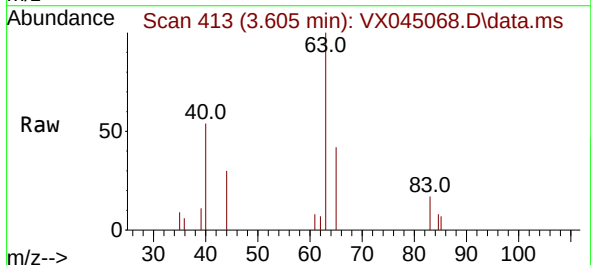
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

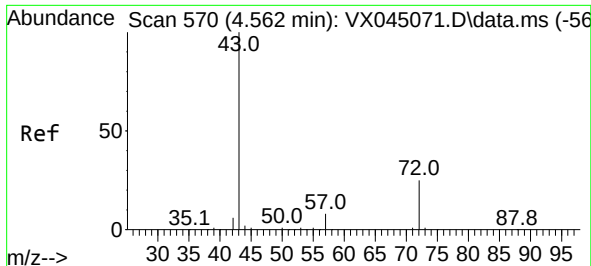
Tgt Ion: 43 Resp: 15271
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.1 12.1



#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#

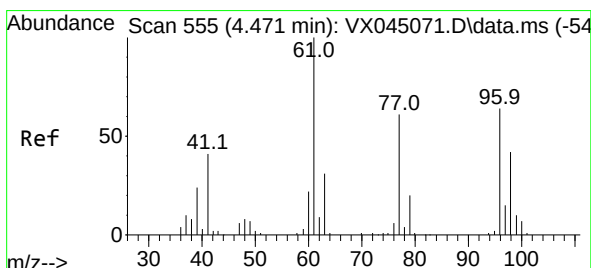
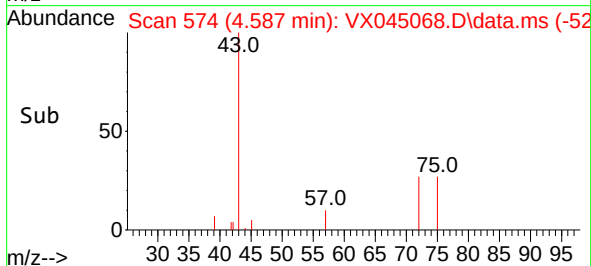
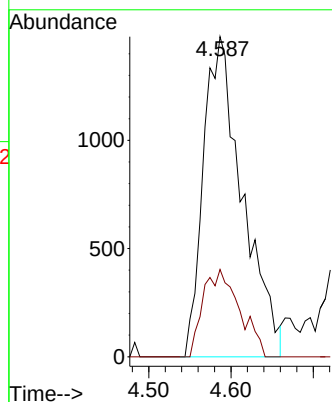
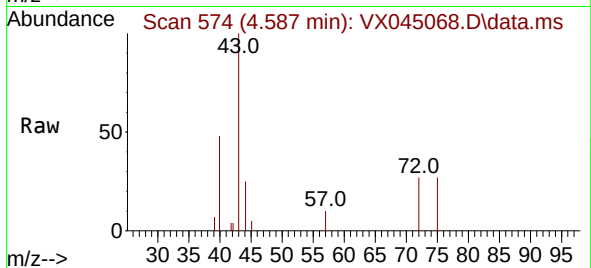




#25
2-Butanone
Concen: 4.252 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

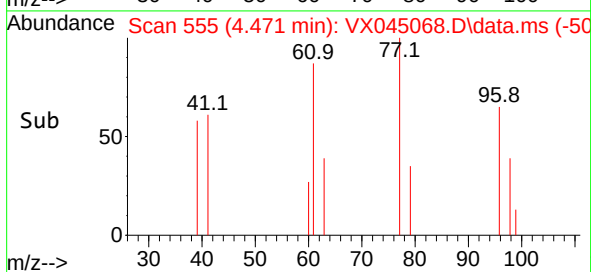
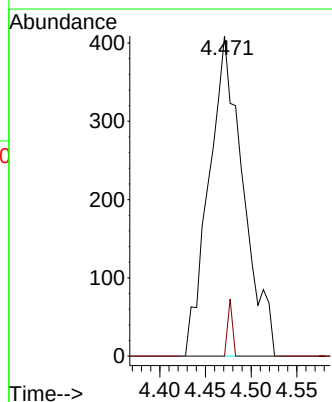
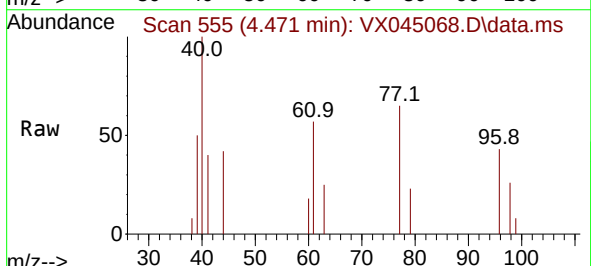
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

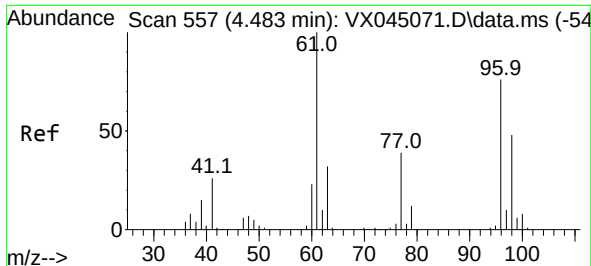
Tgt Ion: 43 Resp: 4894
Ion Ratio Lower Upper
43 100
72 27.2 20.0 30.0



#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#

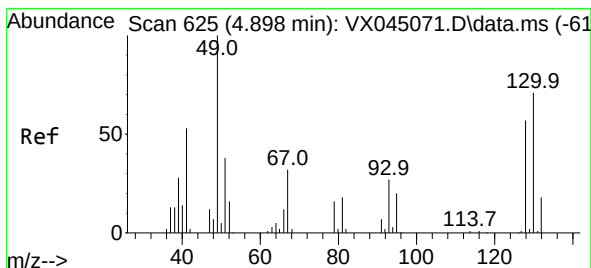
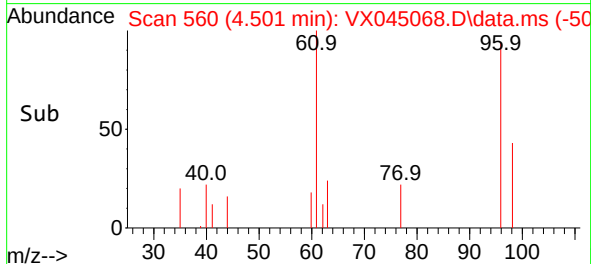
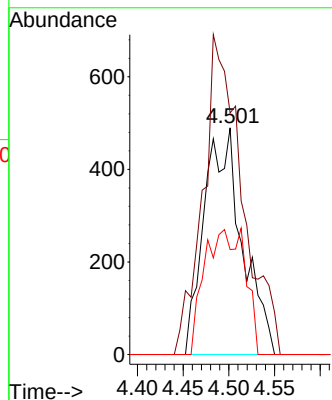
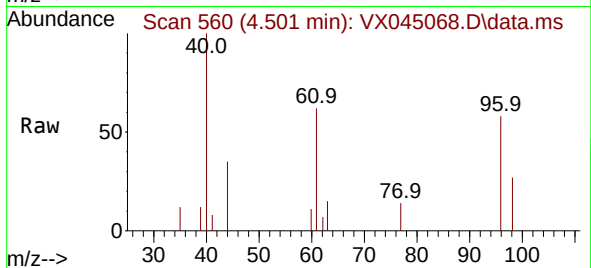




#27
 cis-1,2-Dichloroethene
 Concen: 0.902 ug/l
 RT: 4.501 min Scan# 51
 Delta R.T. 0.018 min
 Lab File: VX045068.D
 Acq: 28 Feb 2025 01:27

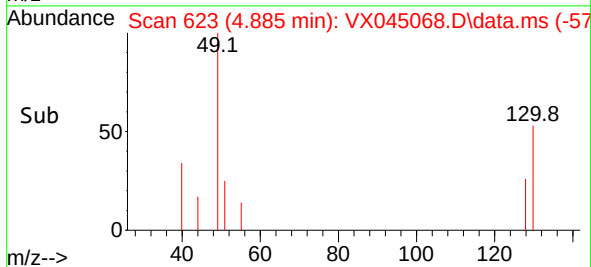
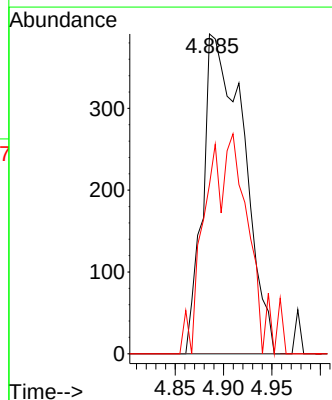
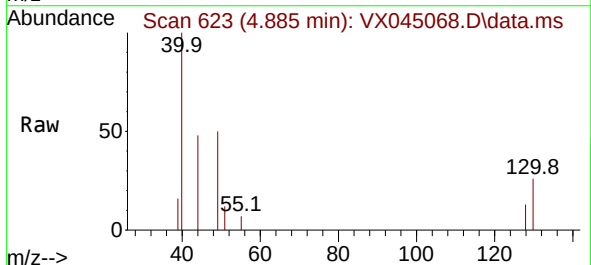
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

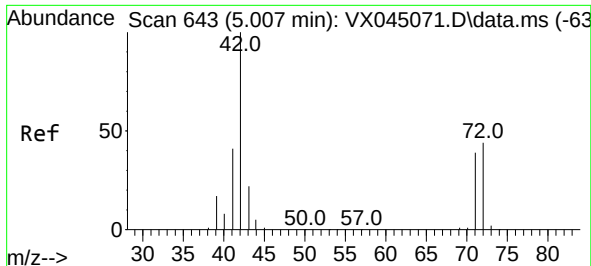
Tgt Ion: 96 Resp: 1412
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 283.2
 98 59.1 0.0 128.0



#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

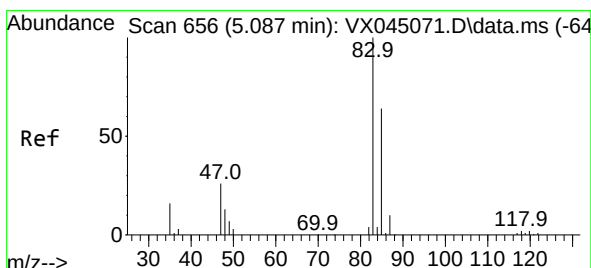
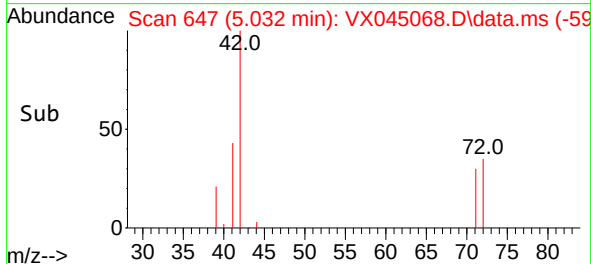
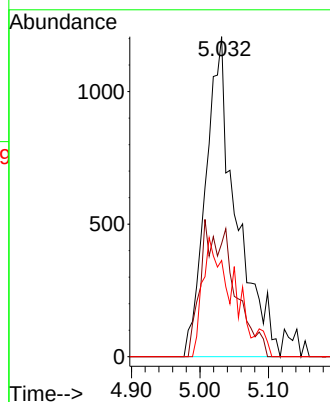
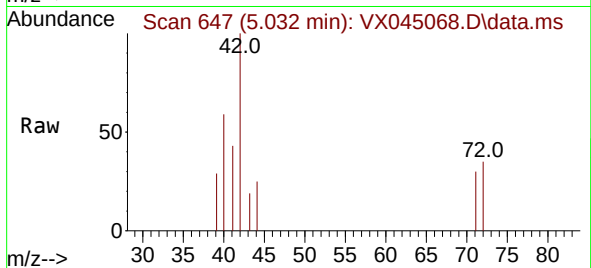
Tgt Ion: 42 Resp: 3719

Ion Ratio Lower Upper

42 100

72 0.0 34.1 51.1#

71 0.0 31.4 47.0#



#30

Chloroform

Concen: 0.978 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX045068.D

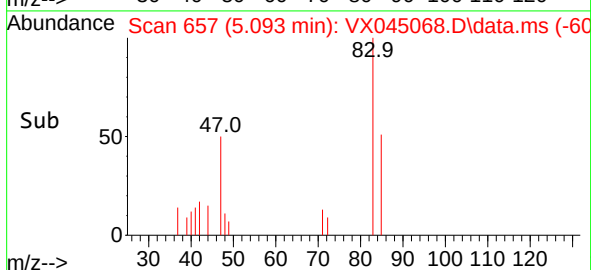
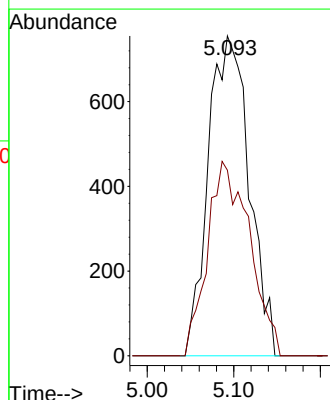
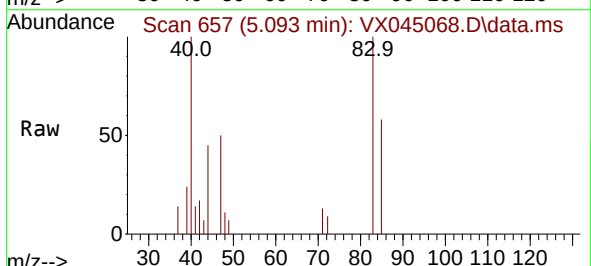
Acq: 28 Feb 2025 01:27

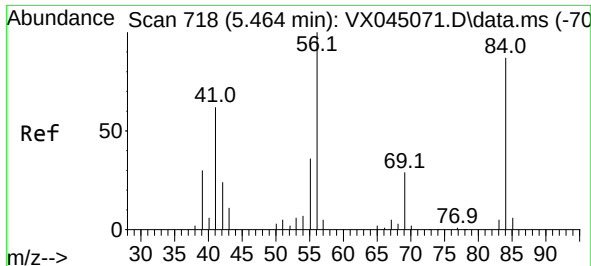
Tgt Ion: 83 Resp: 2478

Ion Ratio Lower Upper

83 100

85 58.0 51.4 77.2

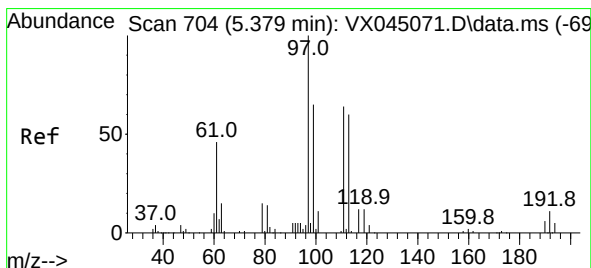
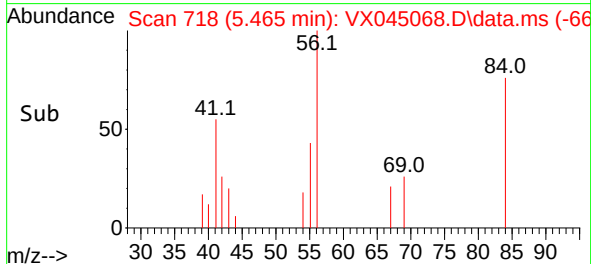
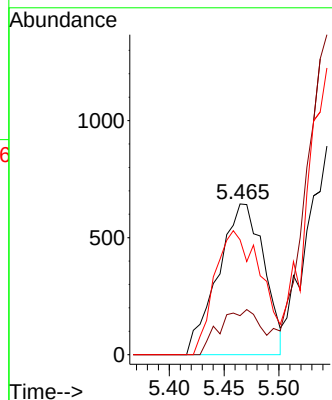
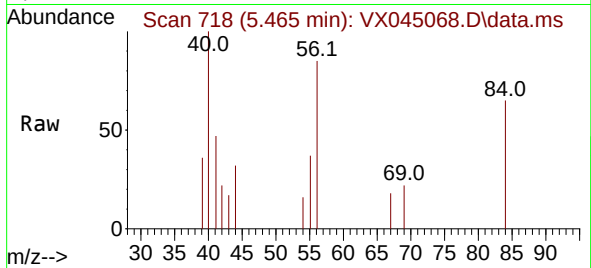




#31
Cyclohexane
Concen: 0.843 ug/l
RT: 5.465 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

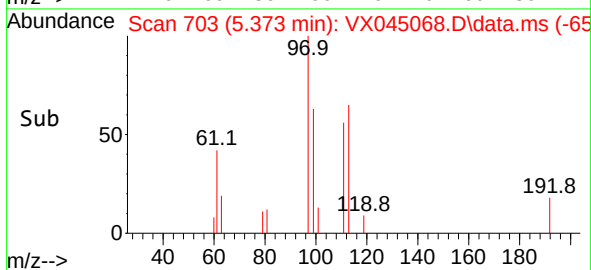
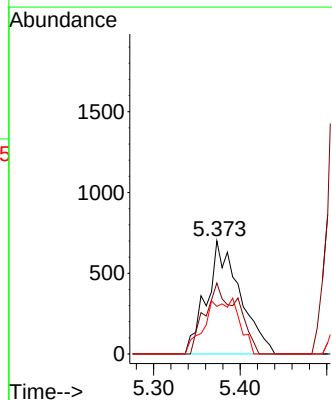
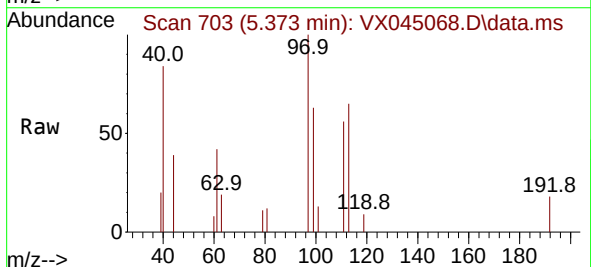
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

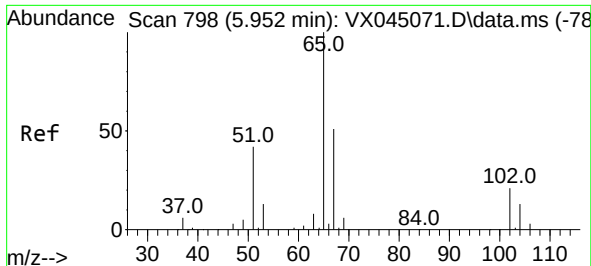
Tgt Ion:	56	Resp:	1875
Ion	Ratio	Lower	Upper
56	100		
69	25.9	23.4	35.2
84	76.2	69.4	104.2



#32
1,1,1-Trichloroethane
Concen: 0.893 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:	97	Resp:	1867
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.6	77.4#
61	50.0	38.4	57.6





#33

1,2-Dichloroethane-d4

Concen: 1.537 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.012 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

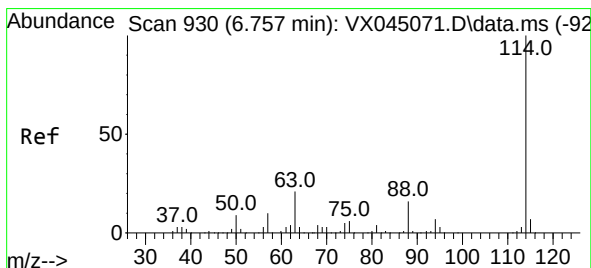
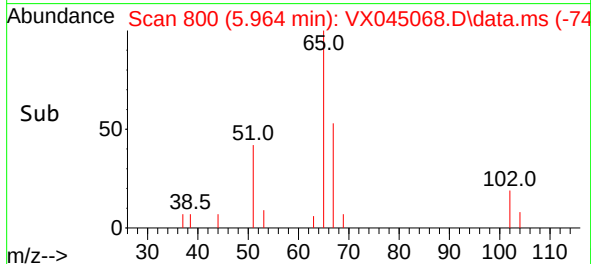
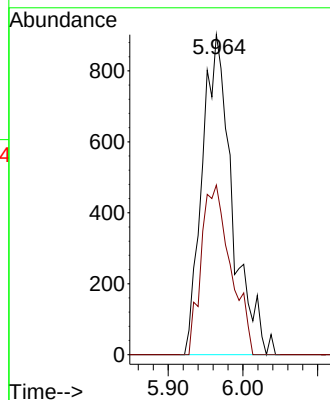
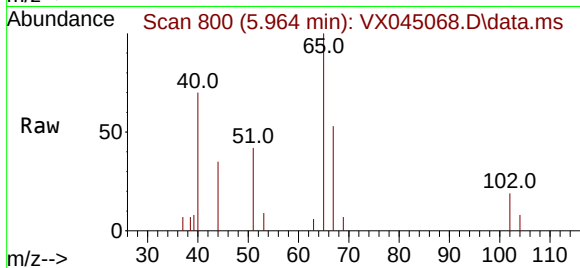
VSTDICC001

Tgt Ion: 65 Resp: 2512

Ion Ratio Lower Upper

65 100

67 51.8 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: VX045068.D

Acq: 28 Feb 2025 01:27

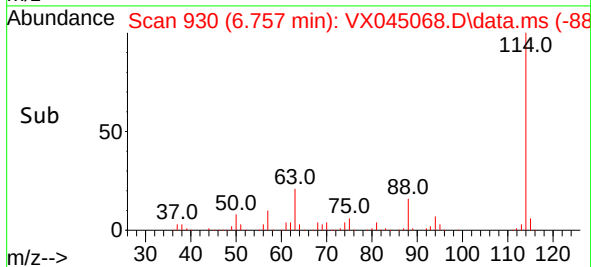
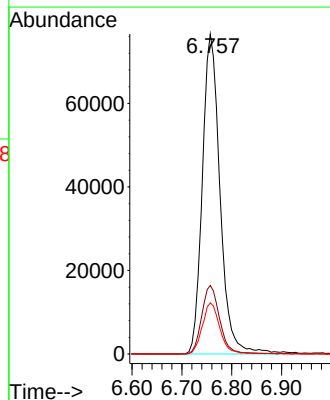
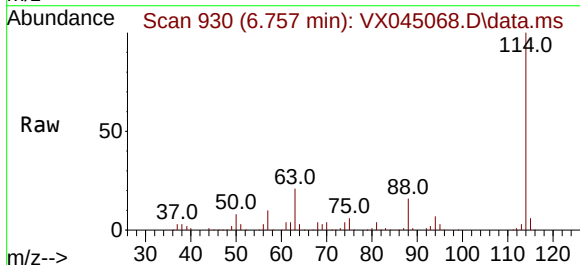
Tgt Ion: 114 Resp: 188642

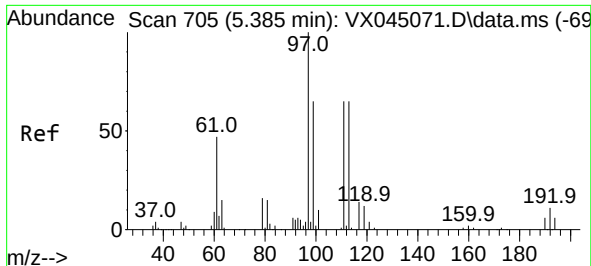
Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.8

88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 1.389 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX045068.D

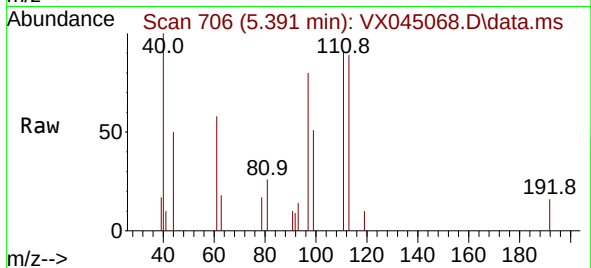
Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001



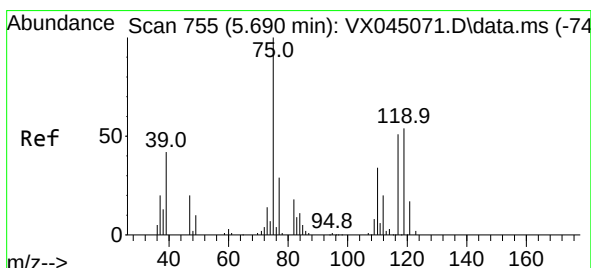
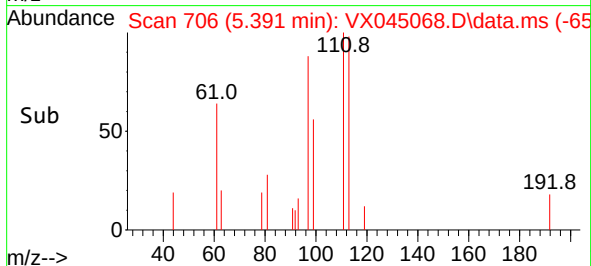
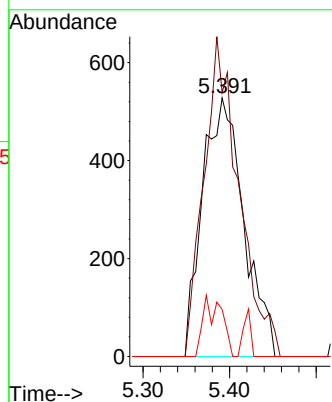
Tgt Ion:113 Resp: 1752

Ion Ratio Lower Upper

113 100

111 104.9 81.8 122.6

192 5.1 14.3 21.5#



#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

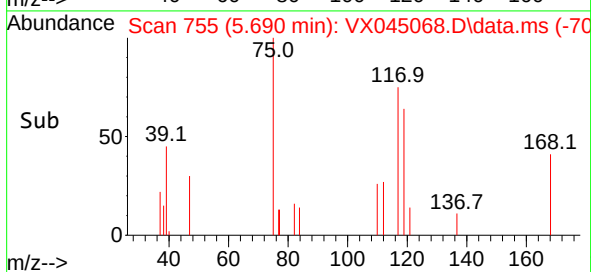
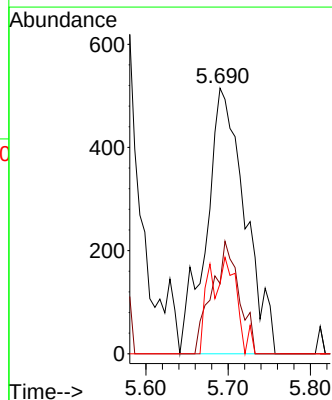
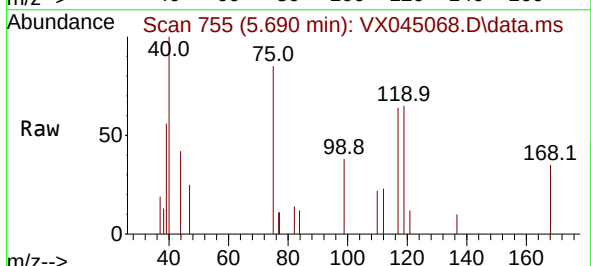
Tgt Ion: 75 Resp: 1681

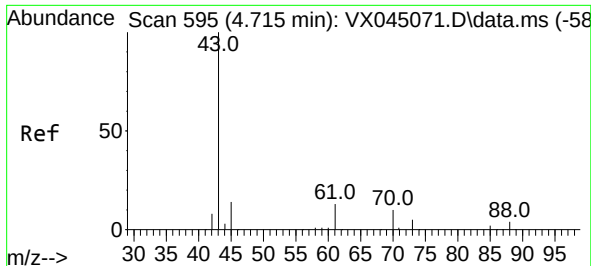
Ion Ratio Lower Upper

75 100

110 29.6 16.9 50.6

77 16.4 24.5 36.7#





#37

Ethyl Acetate

Concen: 0.703 ug/l

RT: 4.739 min Scan# 595

Delta R.T. 0.024 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

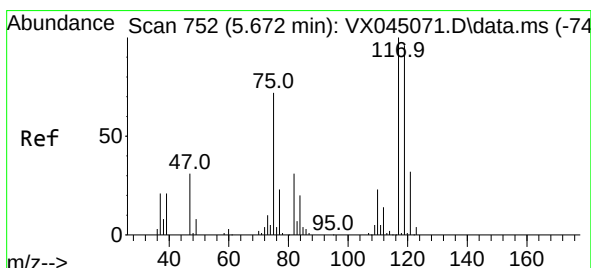
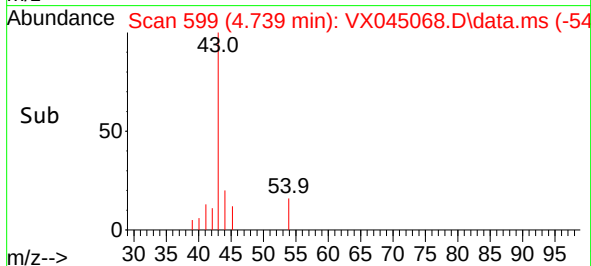
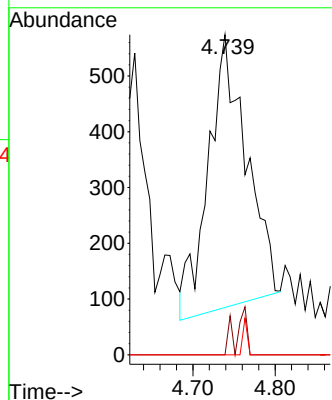
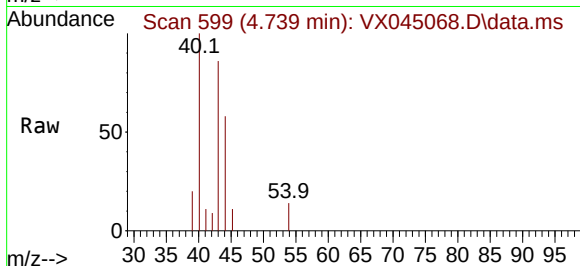
Tgt Ion: 43 Resp: 1582

Ion Ratio Lower Upper

43 100

61 0.0 10.8 16.2#

70 0.0 7.7 11.5#



#38

Carbon Tetrachloride

Concen: 0.332 ug/l

RT: 5.660 min Scan# 750

Delta R.T. -0.012 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

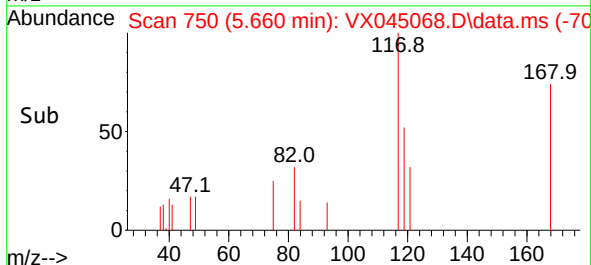
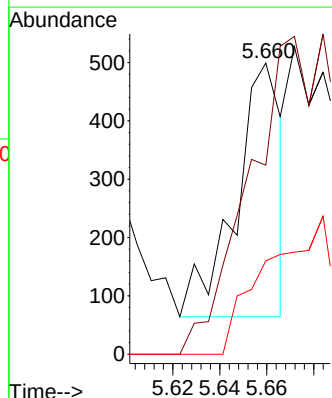
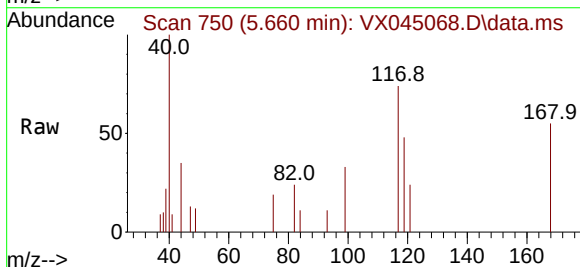
Tgt Ion: 117 Resp: 588

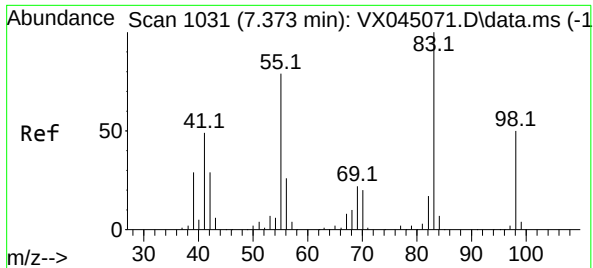
Ion Ratio Lower Upper

117 100

119 74.5 76.7 115.1#

121 36.8 25.5 38.3

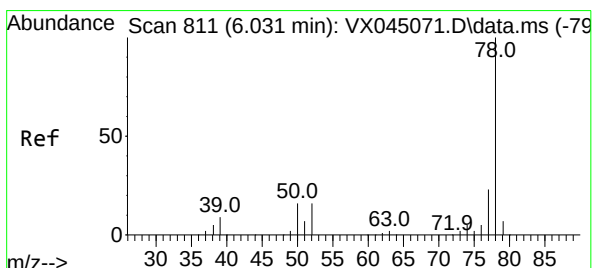
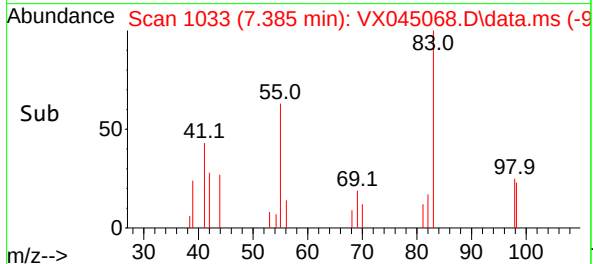
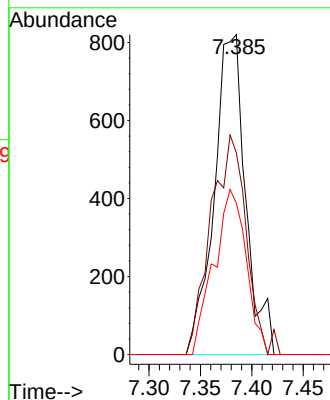
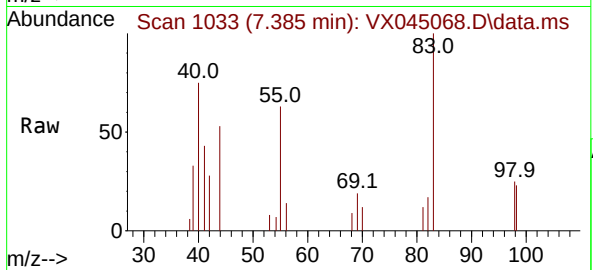




#39
Methylcyclohexane
Concen: 0.831 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

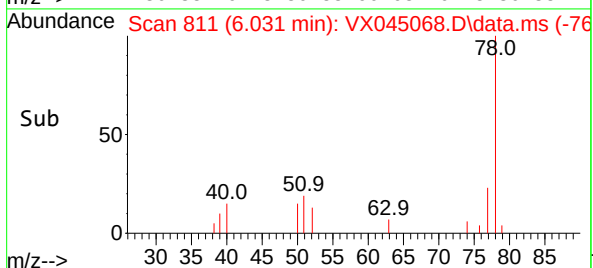
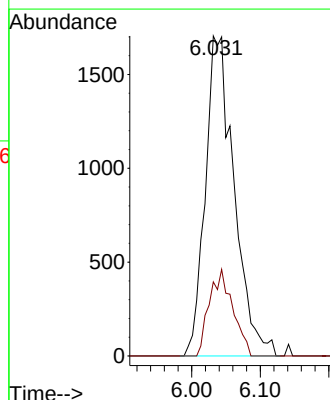
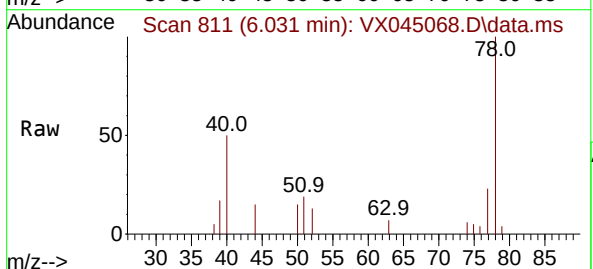
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

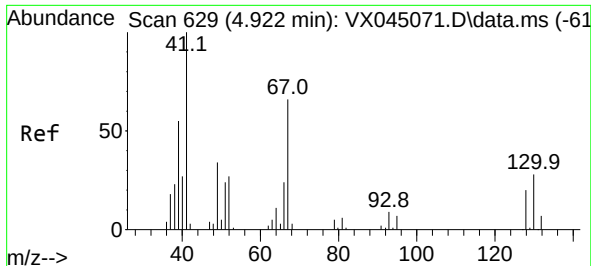
Tgt Ion: 83	Resp:	1750	
Ion	Ratio	Lower	Upper
83	100		
55	63.0	63.0	94.4
98	47.3	39.7	59.5



#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

Tgt Ion: 78	Resp:	4984	
Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2

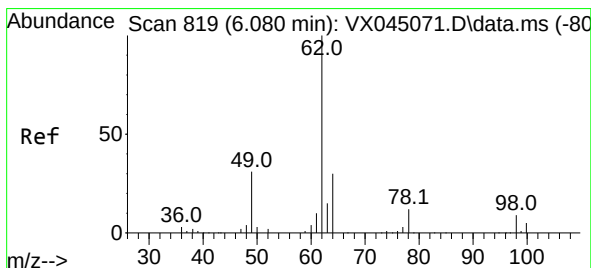
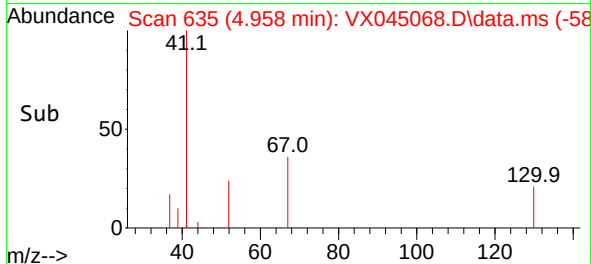
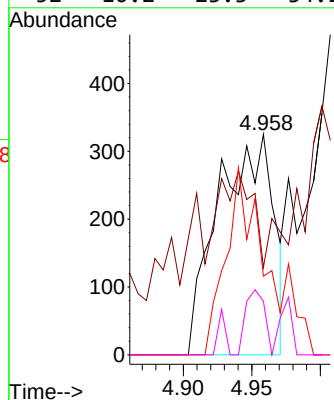
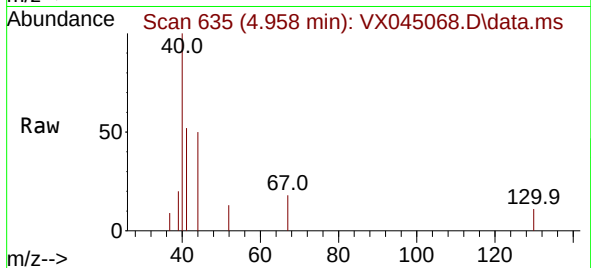




#41
Methacrylonitrile
Concen: 0.748 ug/l
RT: 4.958 min Scan# 61
Delta R.T. 0.037 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

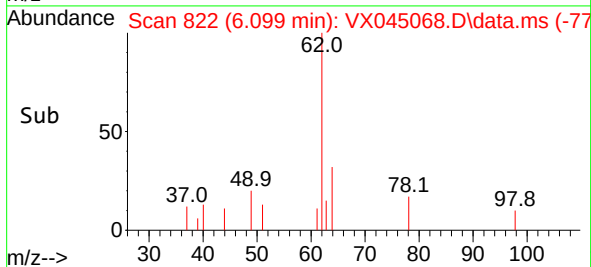
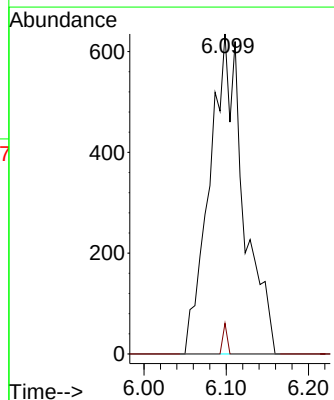
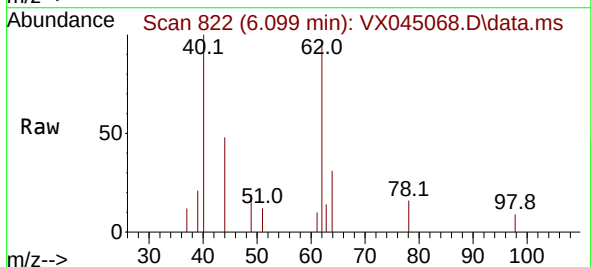
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

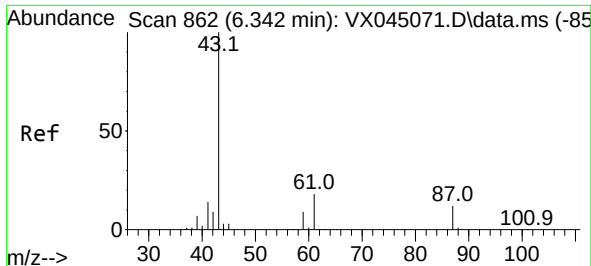
Tgt Ion:	41	Resp:	912
Ion	Ratio	Lower	Upper
41	100		
39	34.3	44.6	67.0#
67	63.4	53.9	80.9
52	10.2	23.3	34.9#



#42
1,2-Dichloroethane
Concen: 0.924 ug/l
RT: 6.099 min Scan# 822
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:	62	Resp:	1837
Ion	Ratio	Lower	Upper
62	100		
98	1.2	0.0	18.2

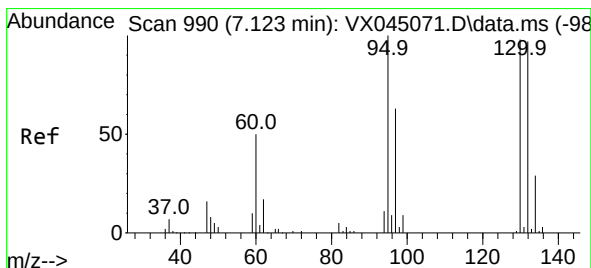
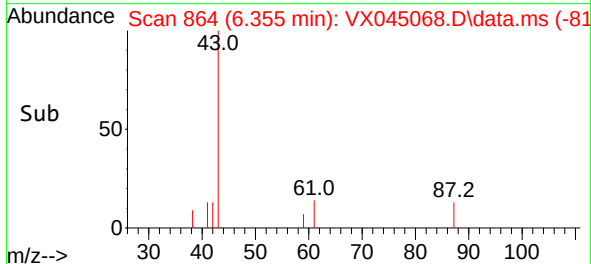
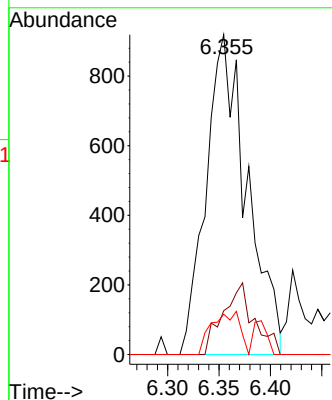
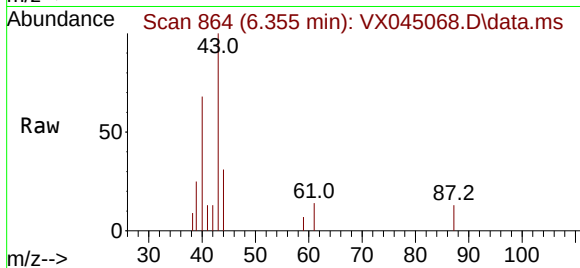




#43
Isopropyl Acetate
Concen: 0.767 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

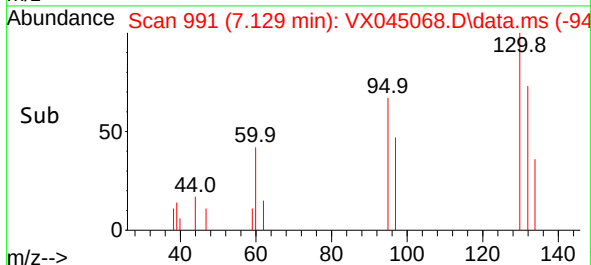
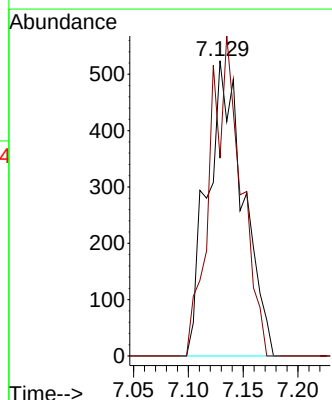
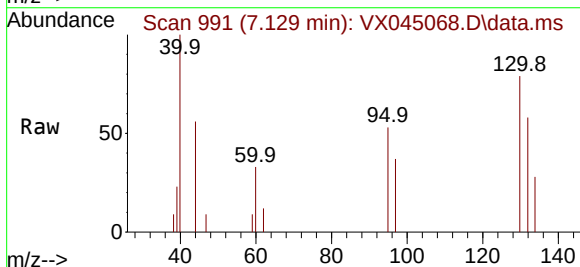
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

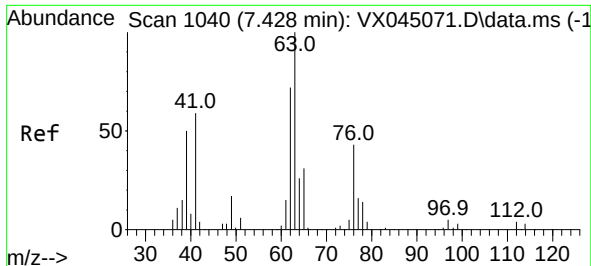
Tgt Ion: 43 Resp: 2545
Ion Ratio Lower Upper
43 100
61 17.0 14.9 22.3
87 9.2 9.4 14.2#



#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

Tgt Ion:130 Resp: 1202
Ion Ratio Lower Upper
130 100
95 67.0 0.0 205.0





#45

1,2-Dichloropropane

Concen: 0.971 ug/l

RT: 7.434 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

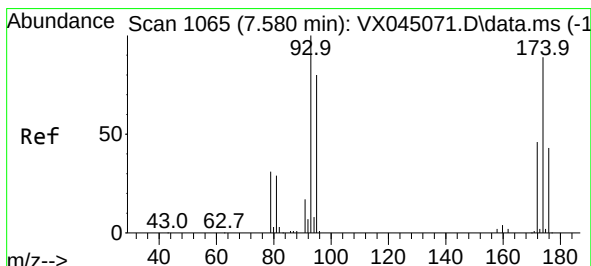
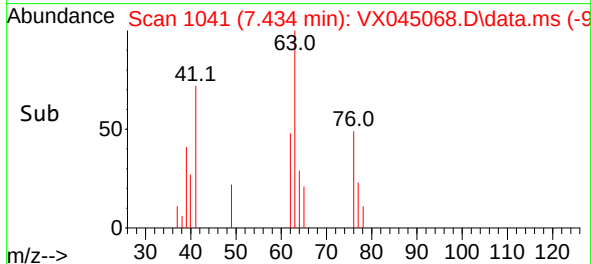
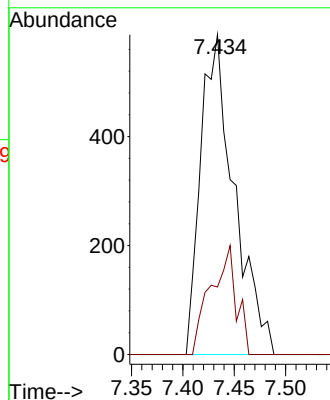
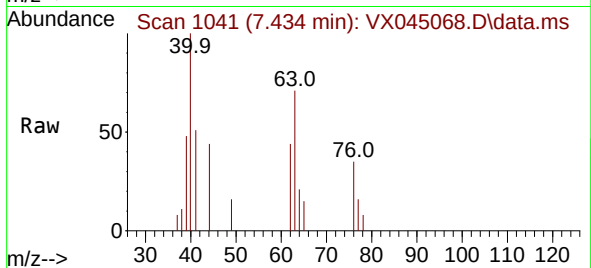
VSTDIC001

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# 1066

Delta R.T. 0.006 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

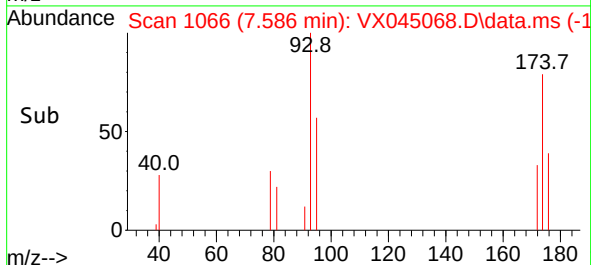
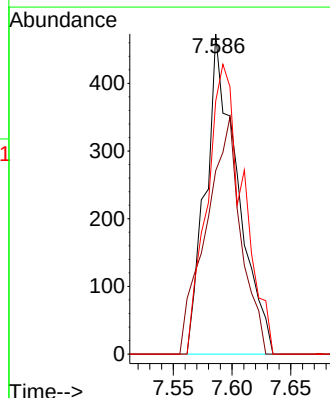
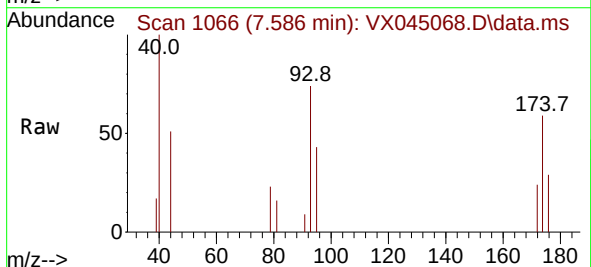
Tgt Ion: 93 Resp: 891

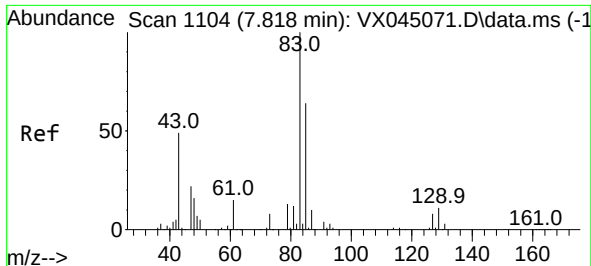
Ion Ratio Lower Upper

93 100

95 80.9 65.8 98.8

174 102.8 72.2 108.2

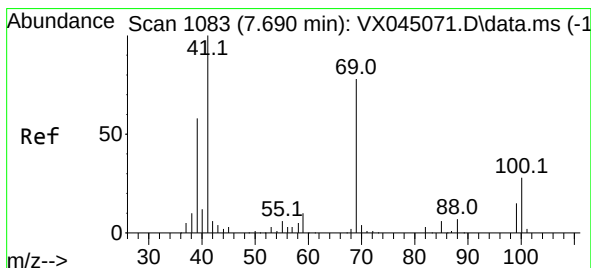
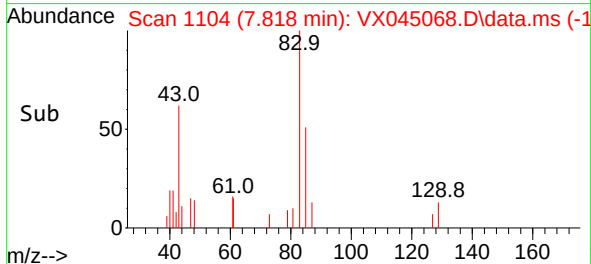
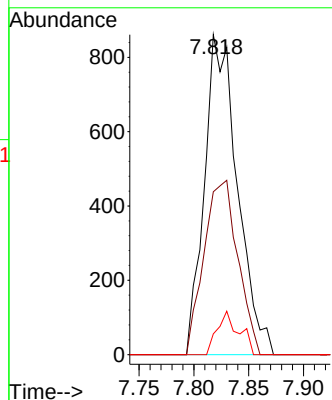
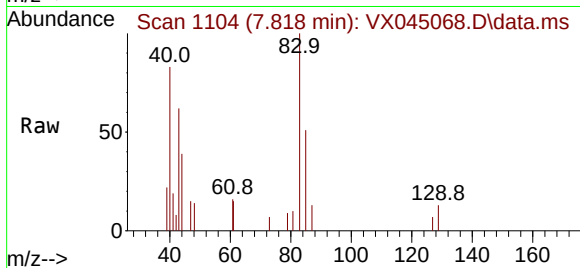




#47
Bromodichloromethane
Concen: 0.927 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

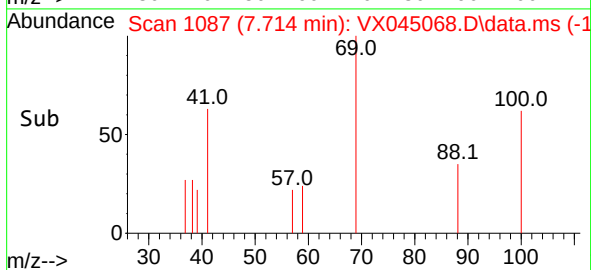
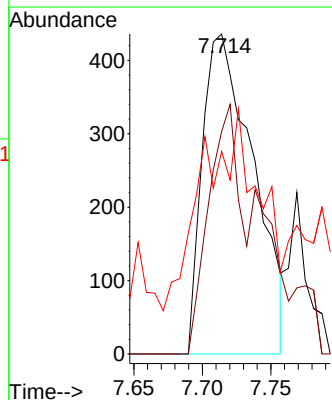
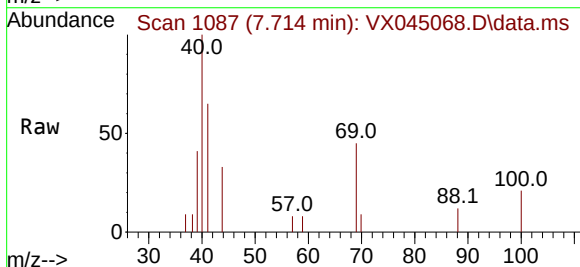
Instrument : MSVOA_X
ClientSampleId : VSTDIC001

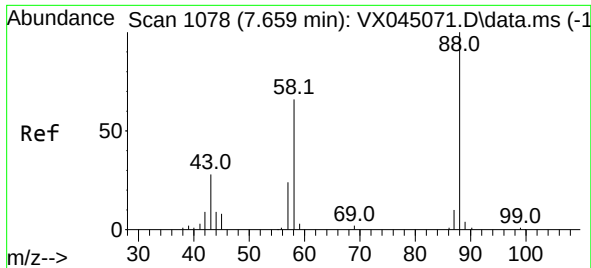
Tgt Ion: 83	Resp: 1802
Ion Ratio	Lower Upper
83 100	
85 50.9	51.1 76.7#
127 6.5	6.4 9.6



#48
Methyl methacrylate
Concen: 0.699 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 41	Resp: 1125
Ion Ratio	Lower Upper
41 100	
69 48.9	63.0 94.6#
39 24.4	47.5 71.3#

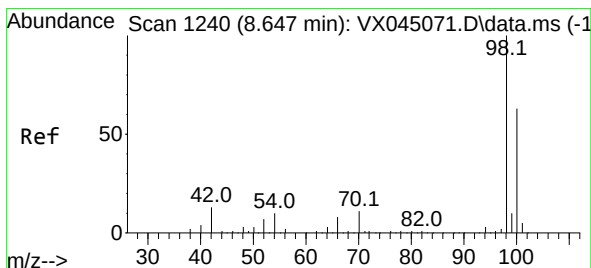
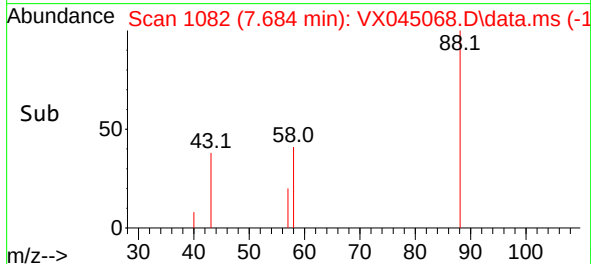
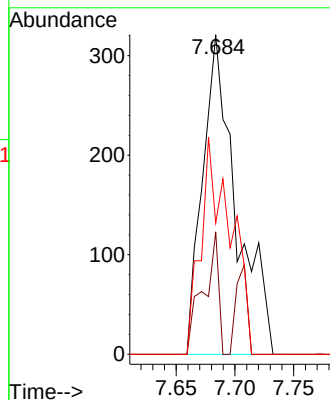
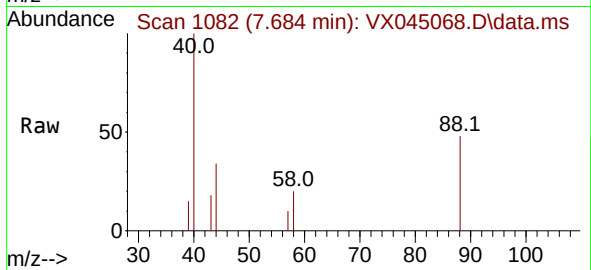




#49
1,4-Dioxane
Concen: 18.144 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

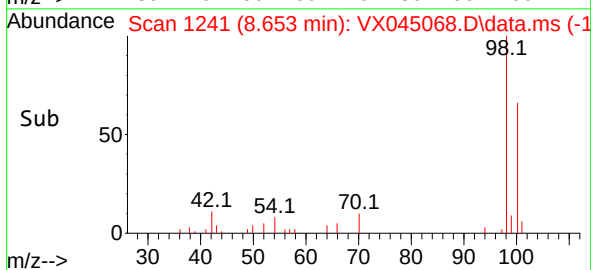
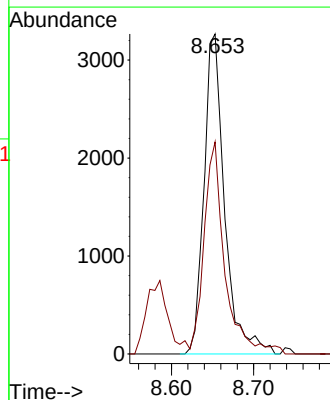
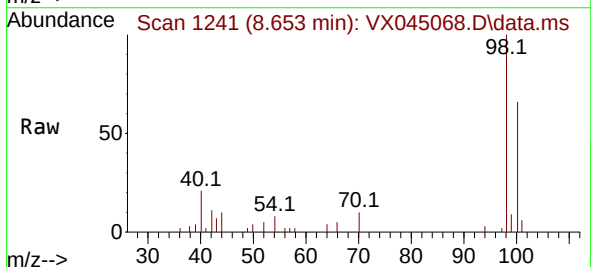
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

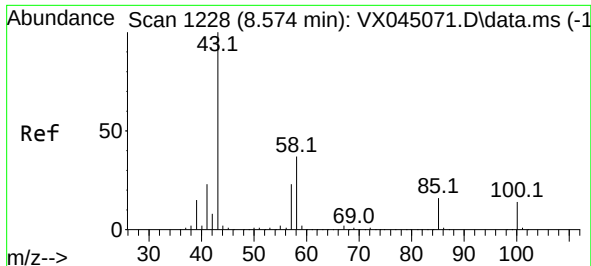
Tgt Ion: 88 Resp: 639
Ion Ratio Lower Upper
88 100
43 17.2 28.7 43.1#
58 59.9 55.8 83.8



#50
Toluene-d8
Concen: 1.244 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 98 Resp: 5691
Ion Ratio Lower Upper
98 100
100 66.5 52.0 78.0

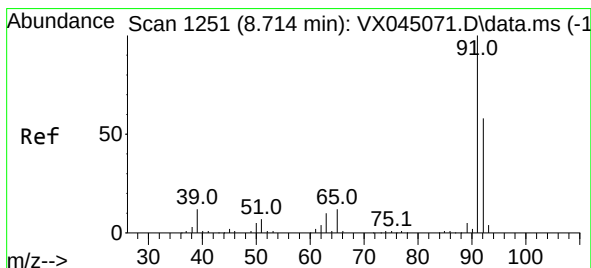
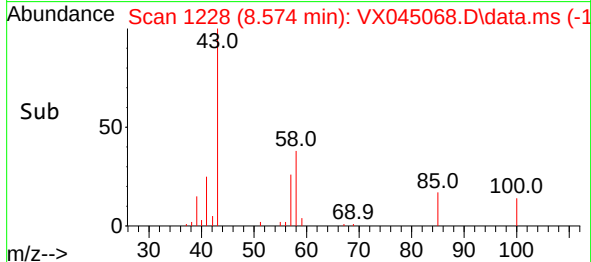
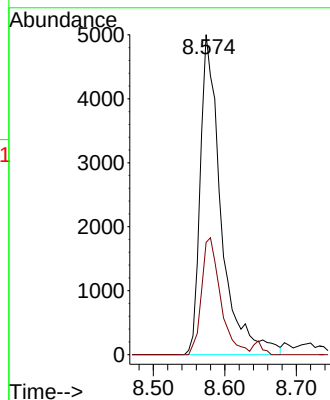
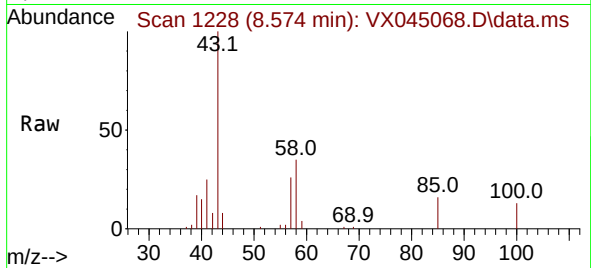




#51
4-Methyl-2-Pentanone
Concen: 4.567 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

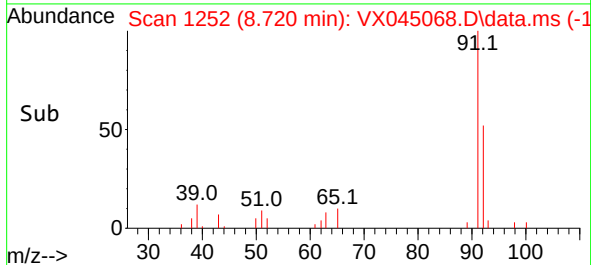
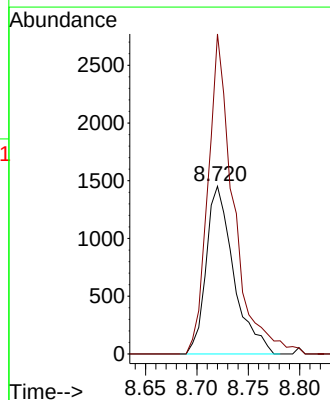
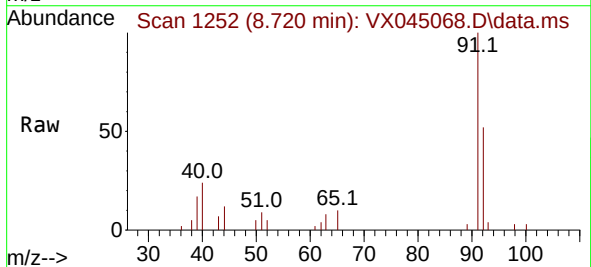
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

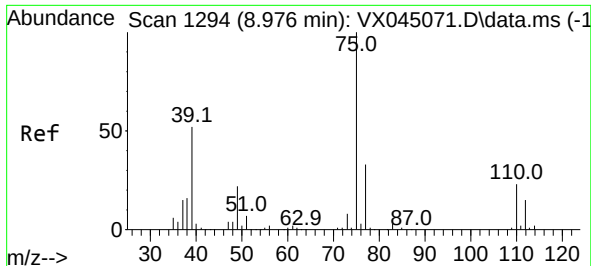
Tgt Ion: 43 Resp: 10091
Ion Ratio Lower Upper
43 100
58 33.5 29.2 43.8



#52
Toluene
Concen: 0.841 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

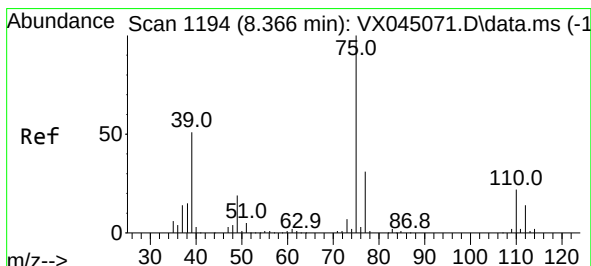
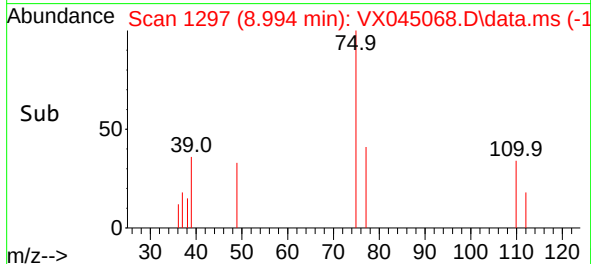
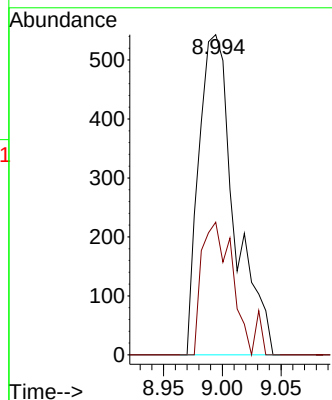
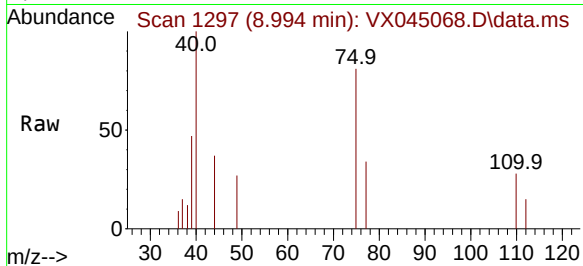




#53
 t-1,3-Dichloropropene
 Concen: 0.700 ug/l
 RT: 8.994 min Scan# 1195
 Delta R.T. 0.018 min
 Lab File: VX045068.D
 Acq: 28 Feb 2025 01:27

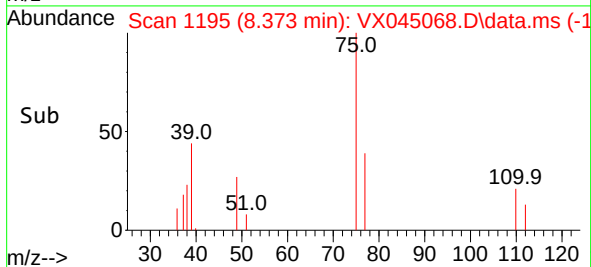
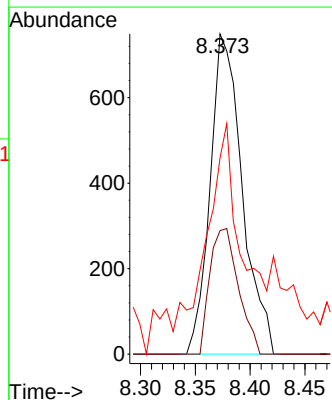
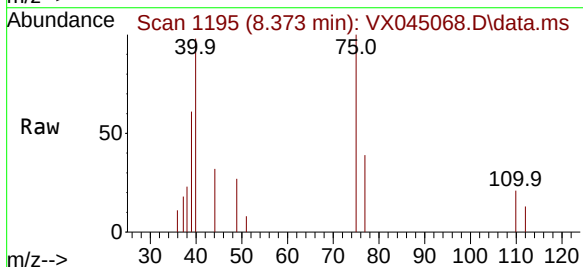
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

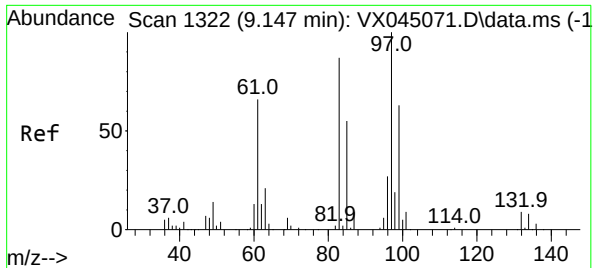
Tgt Ion: 75 Resp: 1147
 Ion Ratio Lower Upper
 75 100
 77 41.4 26.5 39.7#



#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

Tgt Ion: 75 Resp: 1525
 Ion Ratio Lower Upper
 75 100
 77 38.6 24.7 37.1#
 39 45.1 40.7 61.1

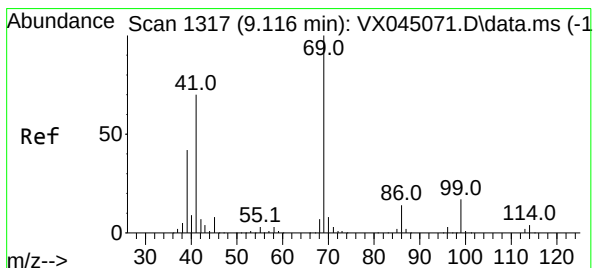
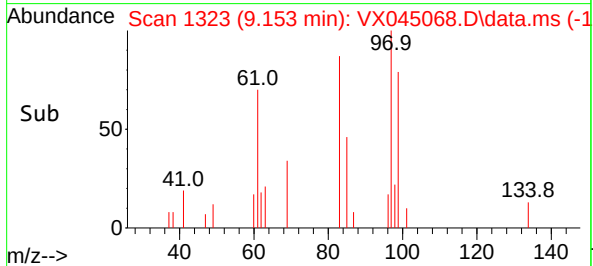
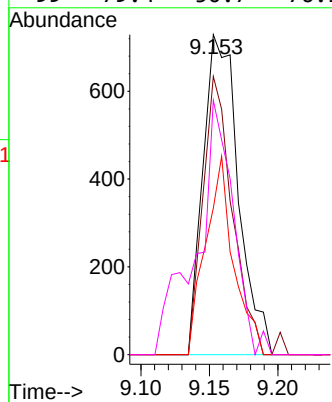
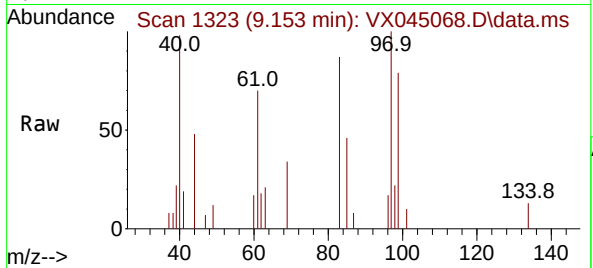




#55
 1,1,2-Trichloroethane
 Concen: 1.004 ug/l
 RT: 9.153 min Scan# 1322
 Delta R.T. 0.006 min
 Lab File: VX045068.D
 Acq: 28 Feb 2025 01:27

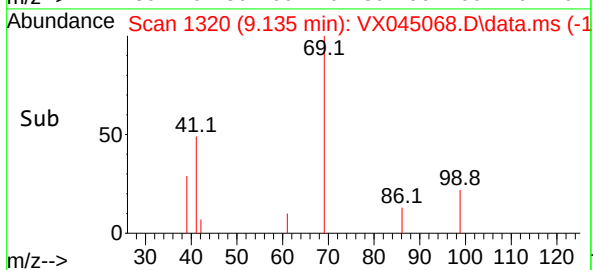
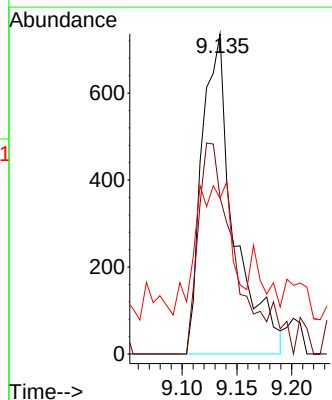
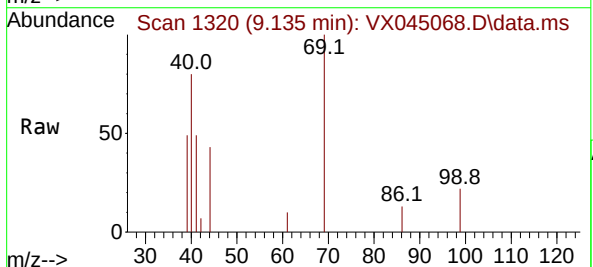
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

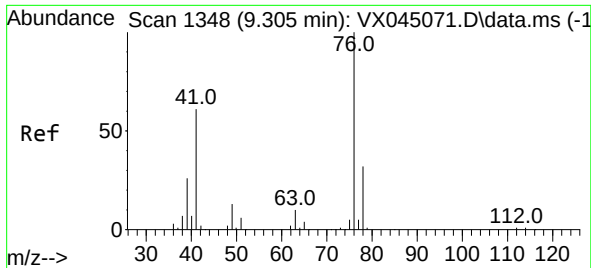
Tgt Ion: 97	Resp: 1306
Ion Ratio	Lower Upper
97 100	
83 87.0	69.4 104.2
85 45.8	44.1 66.1
99 79.4	50.7 76.1#



#56
 Ethyl methacrylate
 Concen: 0.748 ug/l
 RT: 9.135 min Scan# 1320
 Delta R.T. 0.018 min
 Lab File: VX045068.D
 Acq: 28 Feb 2025 01:27

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#

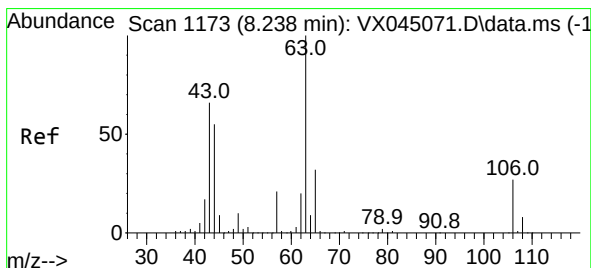
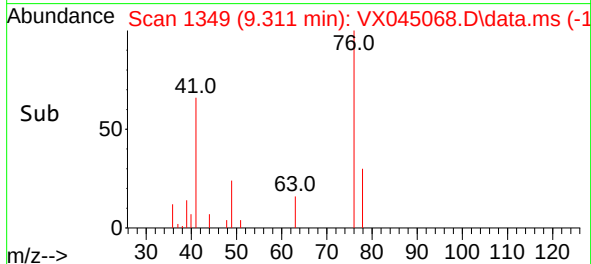
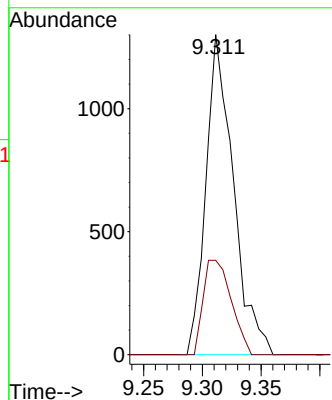
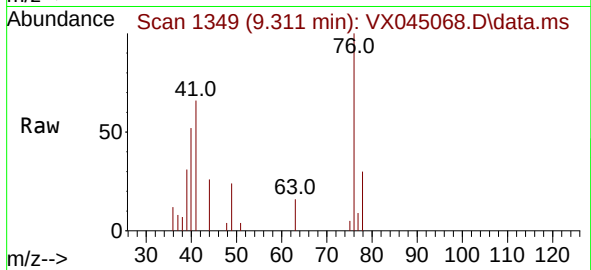




#57
1,3-Dichloropropane
Concen: 0.920 ug/l
RT: 9.311 min Scan# 1175
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

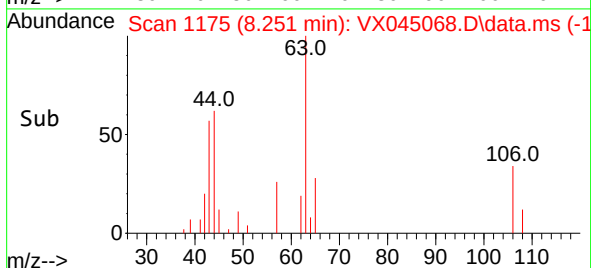
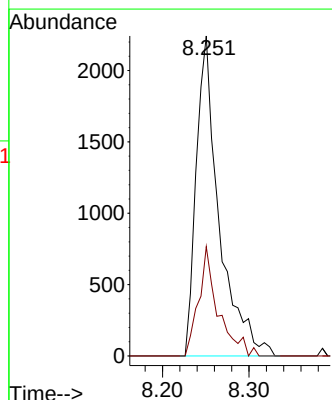
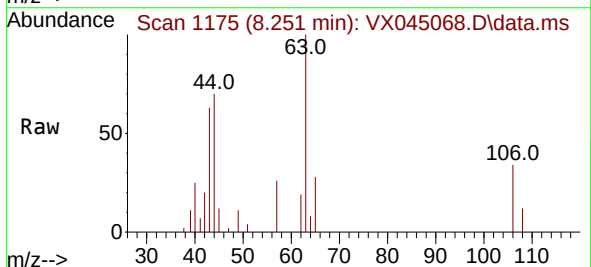
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

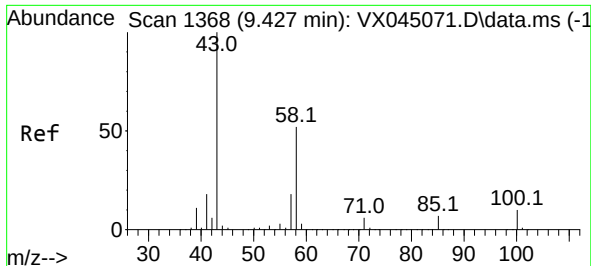
Tgt Ion: 76 Resp: 2112
Ion Ratio Lower Upper
76 100
78 30.1 25.5 38.3



#58
2-Chloroethyl Vinyl ether
Concen: 4.320 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 4115
Ion Ratio Lower Upper
63 100
106 29.2 21.5 32.3





#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

Instrument :

MSVOA_X

ClientSampleId :

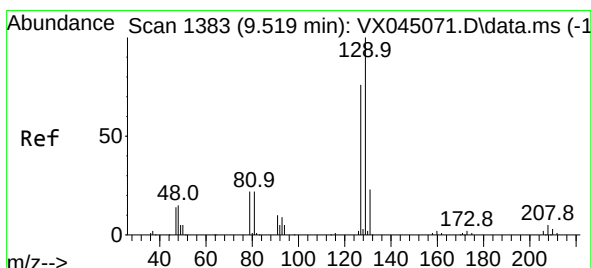
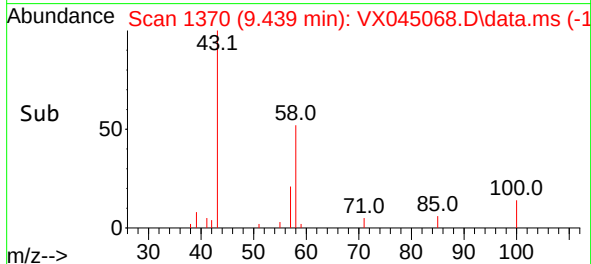
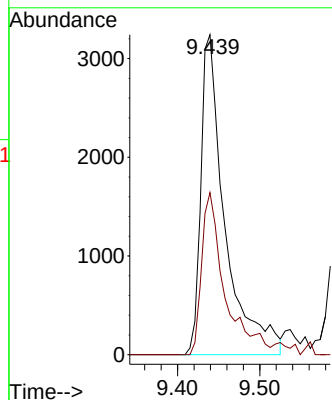
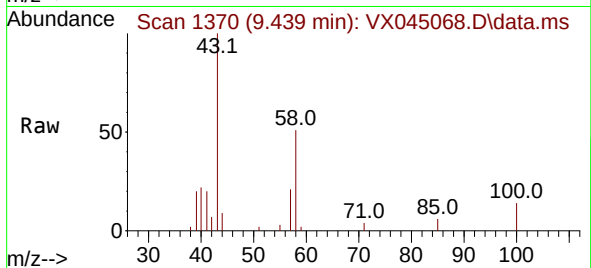
VSTDIC001

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# 1383

Delta R.T. 0.000 min

Lab File: VX045068.D

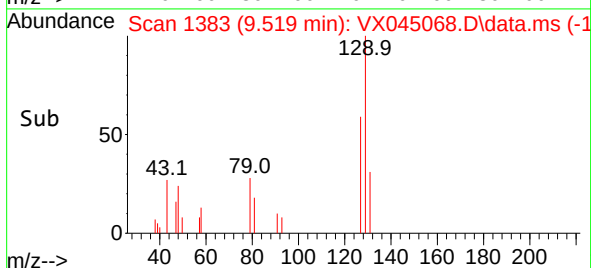
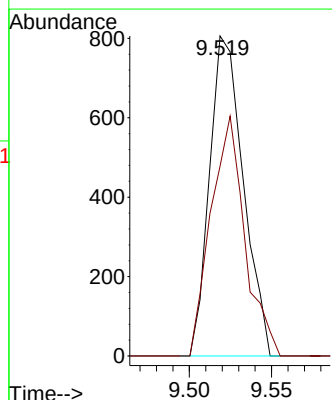
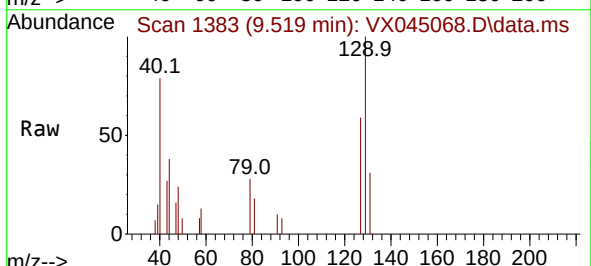
Acq: 28 Feb 2025 01:27

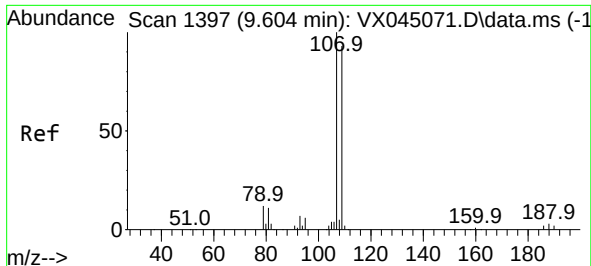
Tgt Ion: 129 Resp: 1152

Ion Ratio Lower Upper

129 100

127 75.2 38.5 115.5

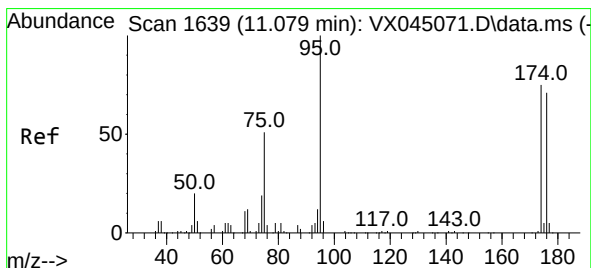
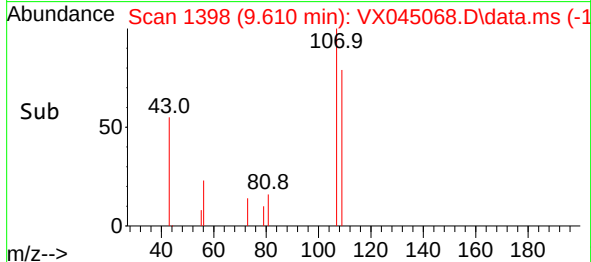
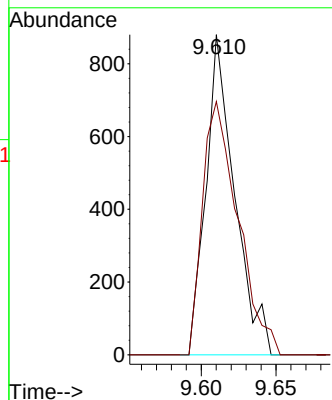
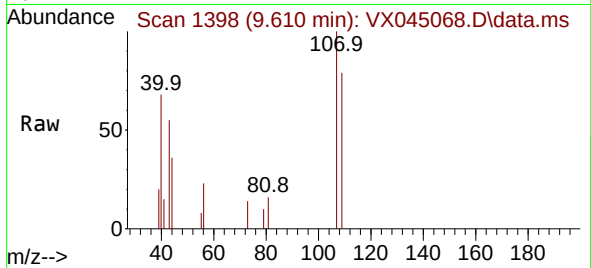




#61
1,2-Dibromoethane
Concen: 0.890 ug/l
RT: 9.610 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

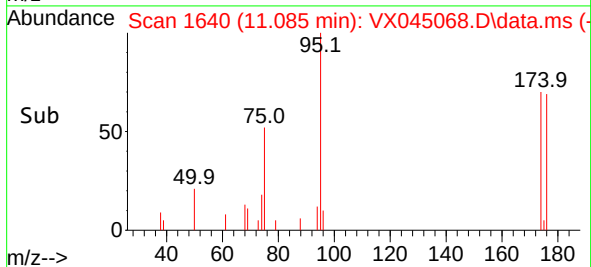
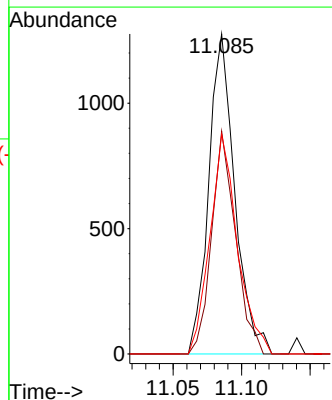
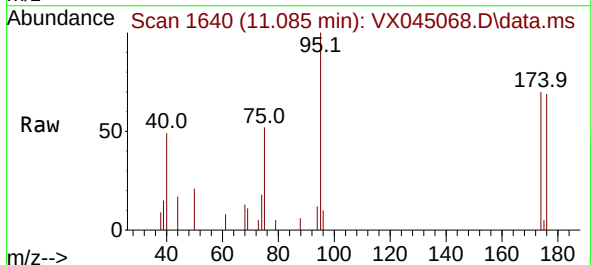
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

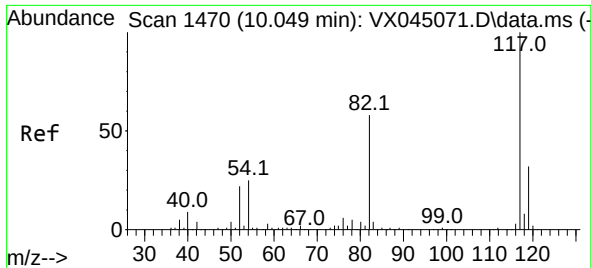
Tgt Ion:107 Resp: 1174
Ion Ratio Lower Upper
107 100
109 97.6 76.1 114.1



#62
4-Bromofluorobenzene
Concen: 1.112 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 95 Resp: 1685
Ion Ratio Lower Upper
95 100
174 64.2 0.0 148.2
176 72.7 0.0 141.4

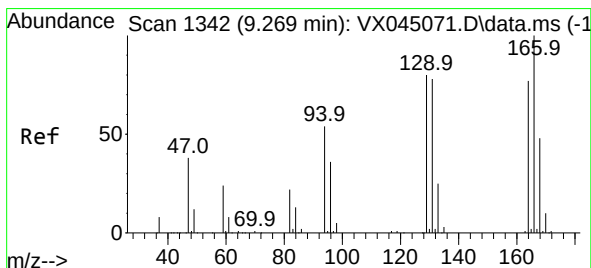
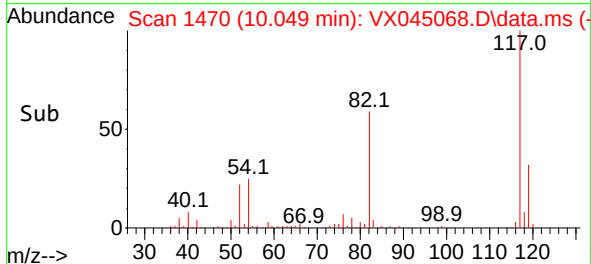
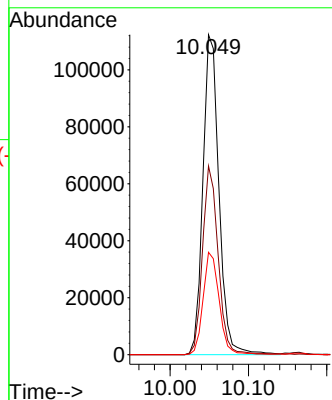
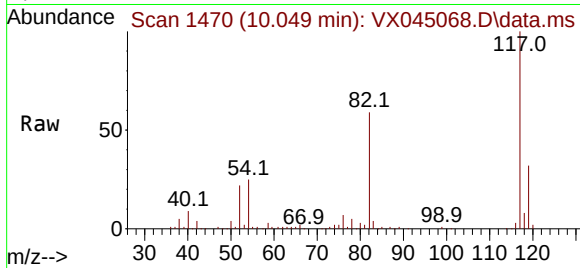




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

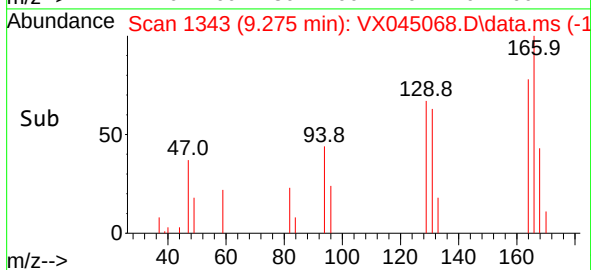
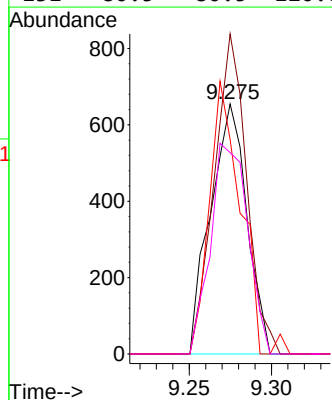
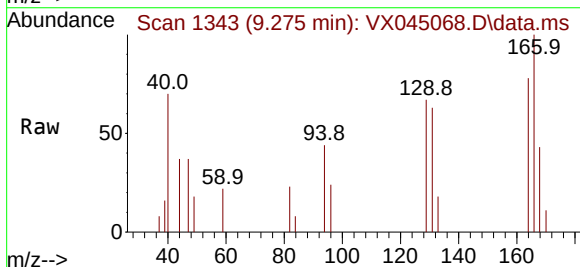
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

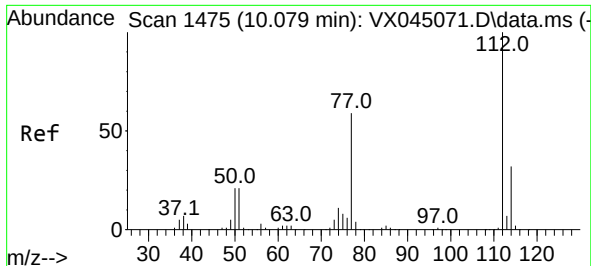
Tgt Ion:117 Resp: 159886
Ion Ratio Lower Upper
117 100
82 59.0 46.3 69.5
119 32.0 25.7 38.5



#64
Tetrachloroethene
Concen: 0.986 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:164 Resp: 1006
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#

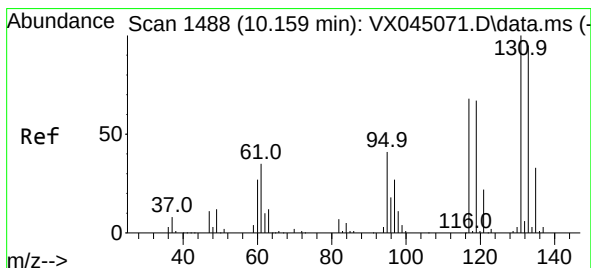
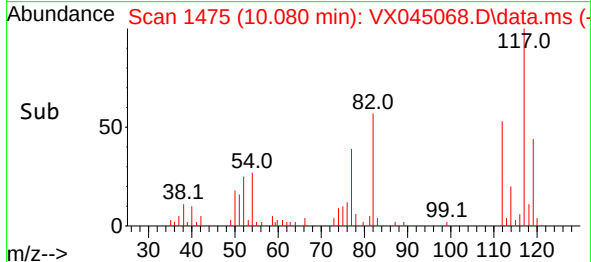
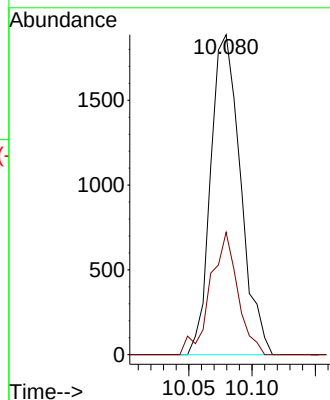
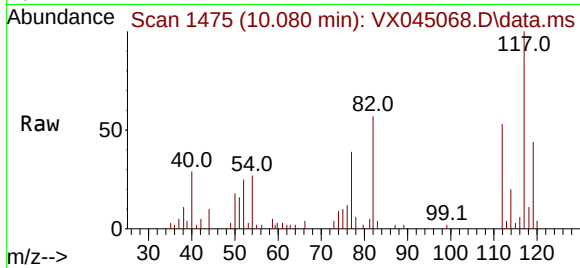




#65
Chlorobenzene
Concen: 0.908 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

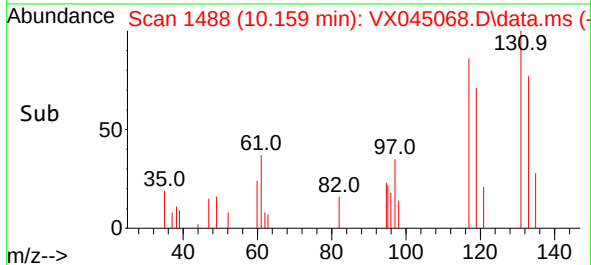
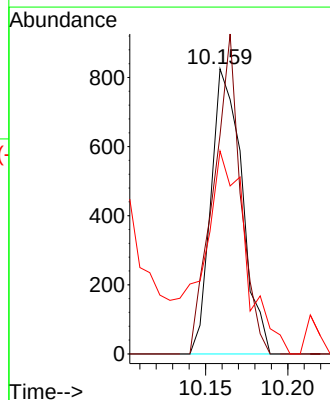
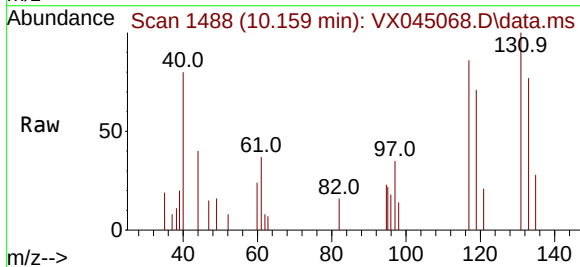
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

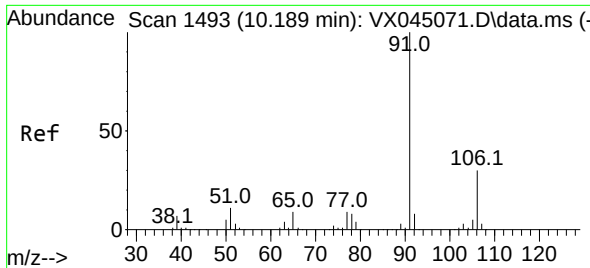
Tgt Ion:112 Resp: 3094
Ion Ratio Lower Upper
112 100
114 38.3 26.0 39.0



#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

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#

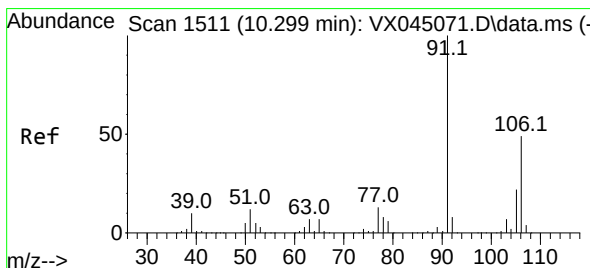
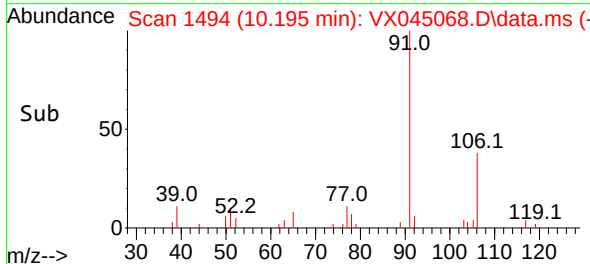
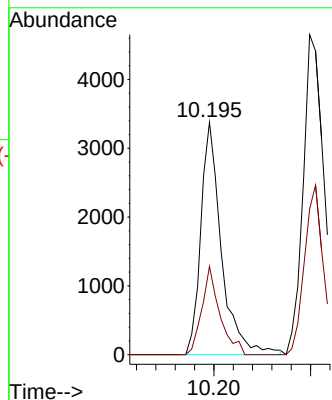
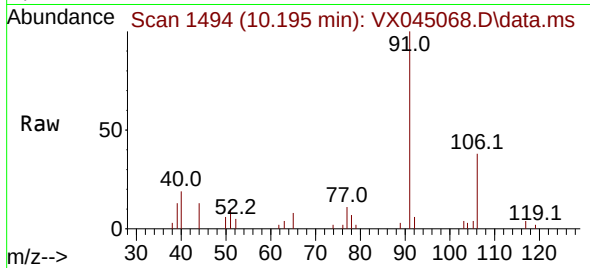




#67
Ethyl Benzene
Concen: 0.846 ug/l
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

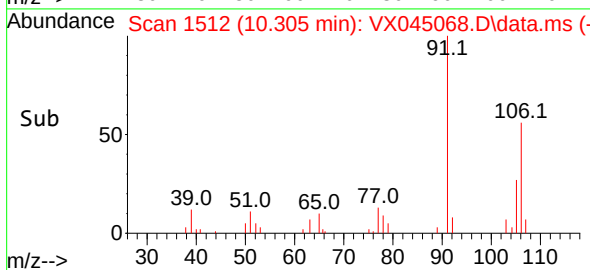
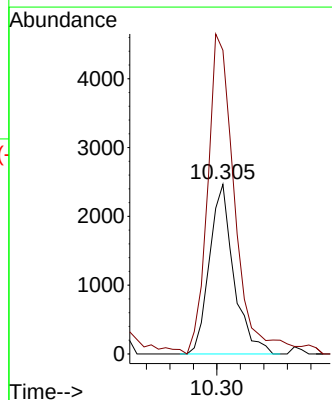
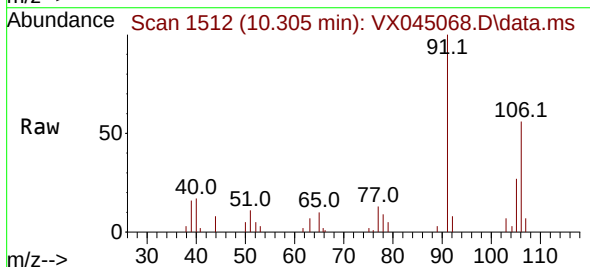
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

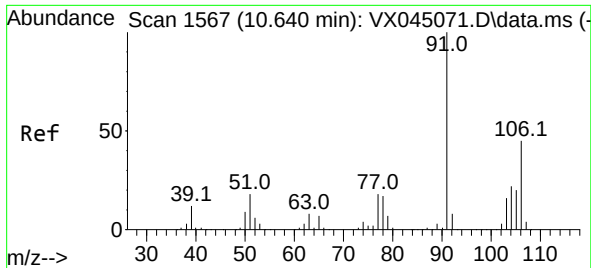
Tgt Ion: 91 Resp: 5008
Ion Ratio Lower Upper
91 100
106 38.0 23.9 35.9#



#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

Tgt Ion: 106 Resp: 3552
Ion Ratio Lower Upper
106 100
91 211.2 165.4 248.0

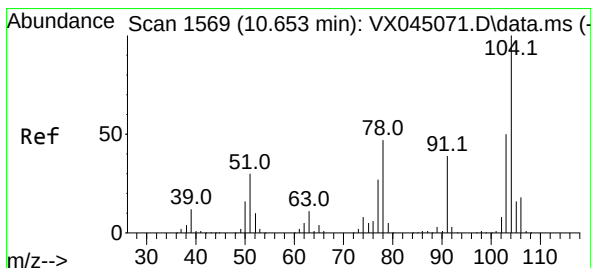
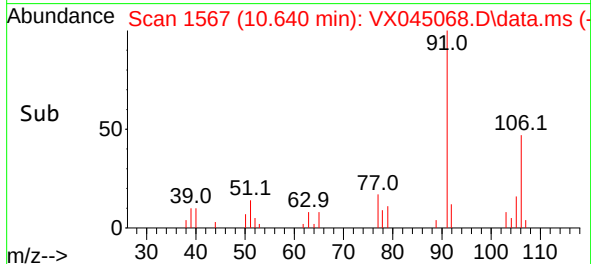
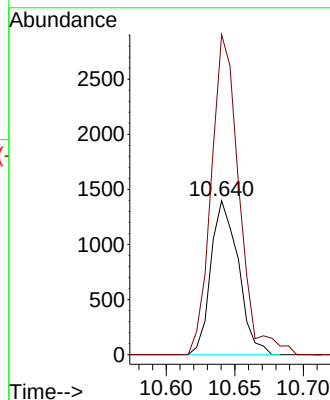
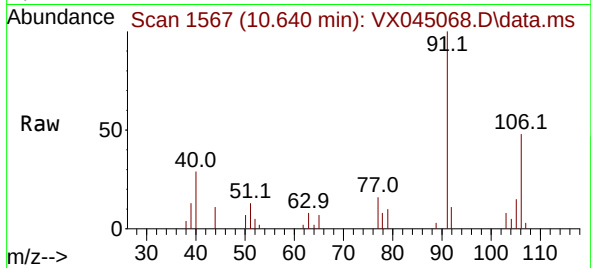




#69
o-Xylene
Concen: 0.891 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

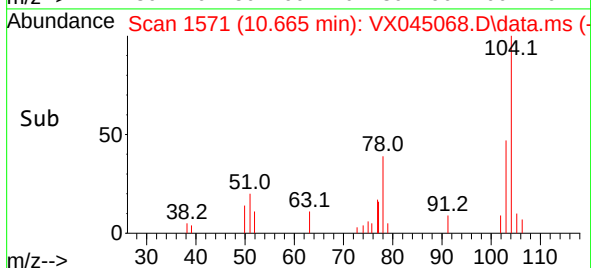
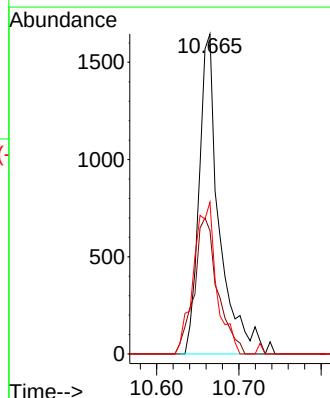
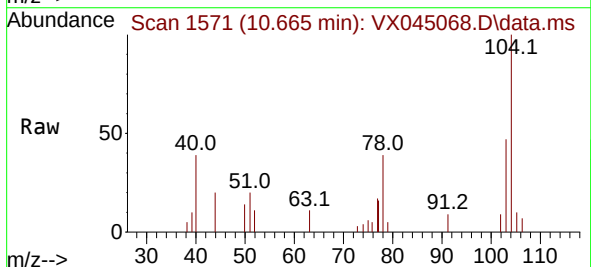
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

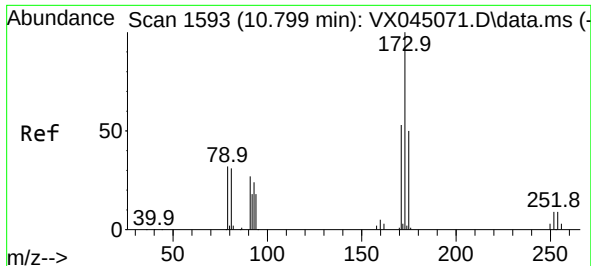
Tgt Ion:106 Resp: 1949
Ion Ratio Lower Upper
106 100
91 211.0 109.9 329.6



#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

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

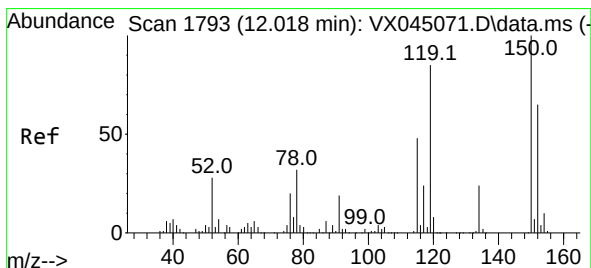
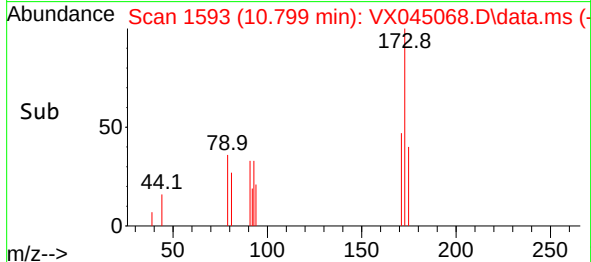
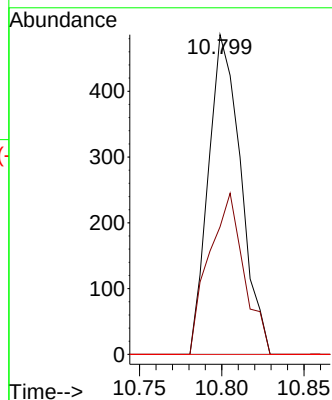
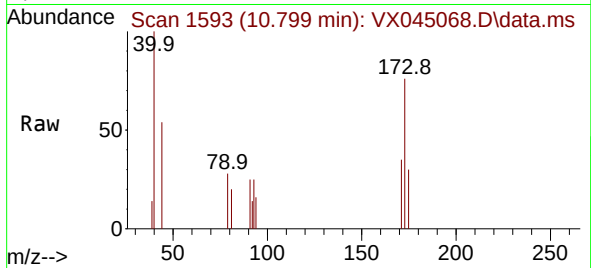




#71
Bromoform
Concen: 0.768 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

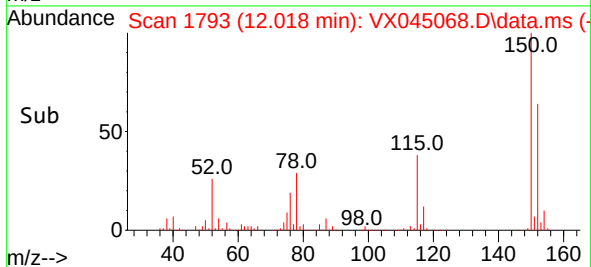
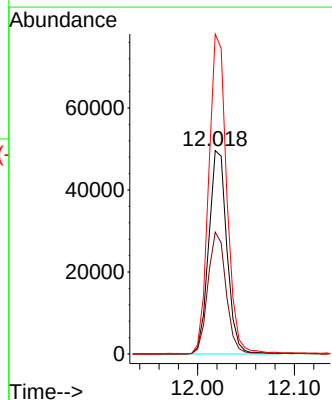
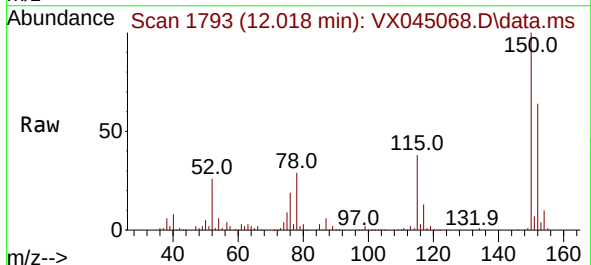
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

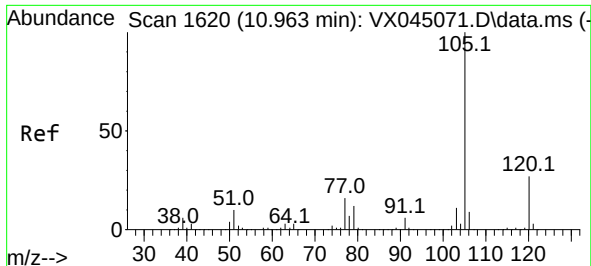
Tgt Ion:173 Resp: 667
Ion Ratio Lower Upper
173 100
175 54.7 24.6 73.6
254 0.0 0.0 0.0



#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

Tgt Ion:152 Resp: 64845
Ion Ratio Lower Upper
152 100
115 60.3 44.2 132.6
150 157.1 0.0 349.0

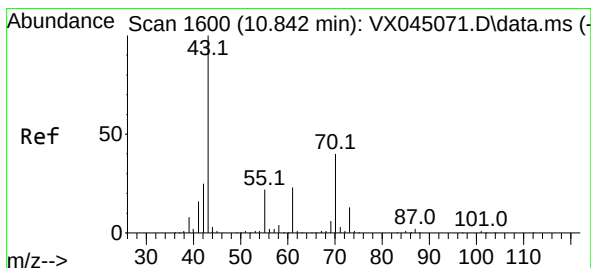
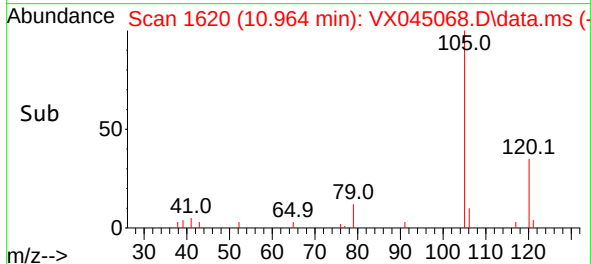
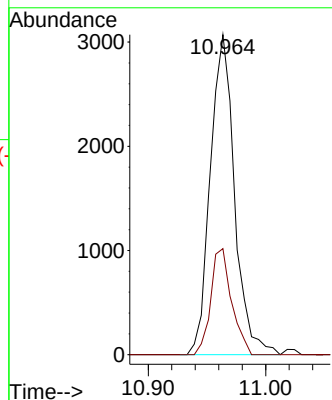
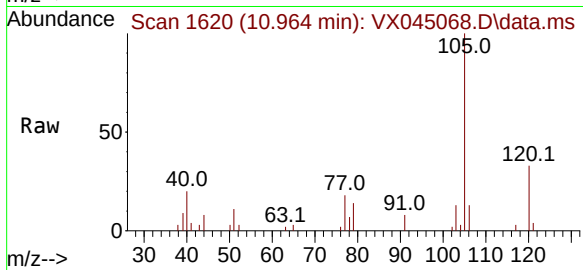




#73
Isopropylbenzene
Concen: 0.858 ug/l
RT: 10.964 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

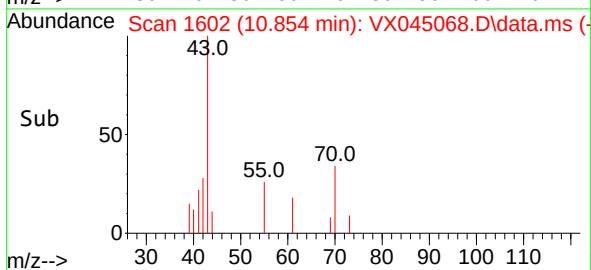
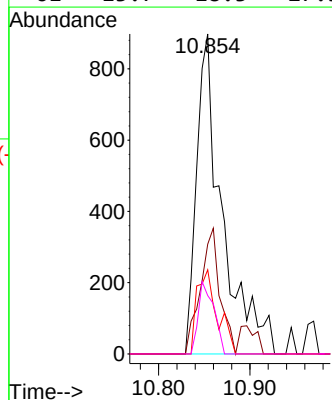
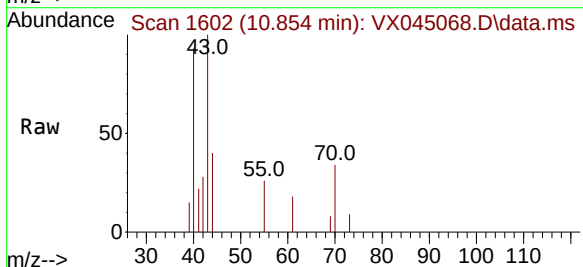
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

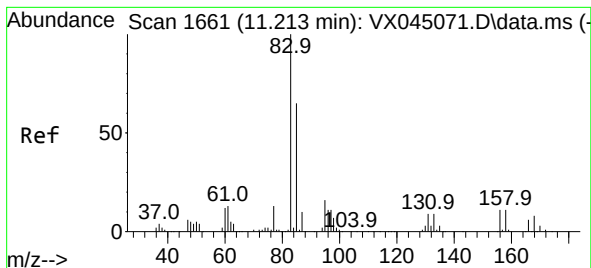
Tgt Ion:105 Resp: 4405
Ion Ratio Lower Upper
105 100
120 28.5 13.2 39.5



#74
N-ethyl 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

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#

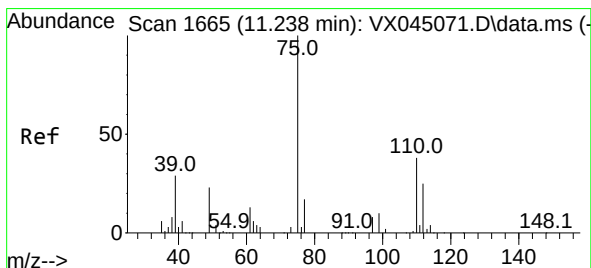
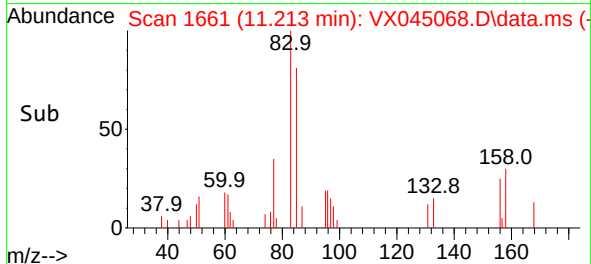
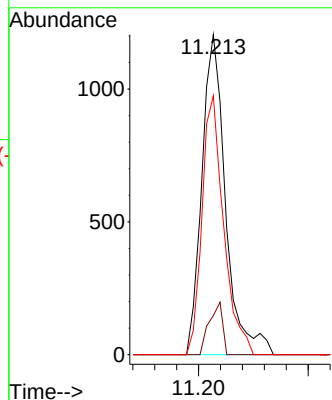
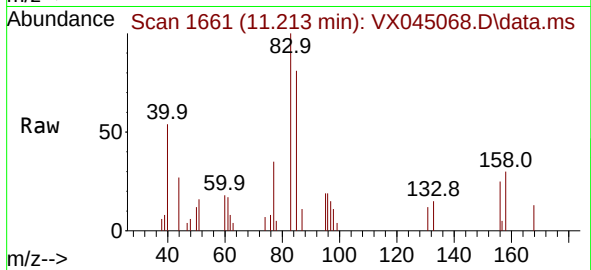




#75
1,1,2,2-Tetrachloroethane
Concen: 0.954 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

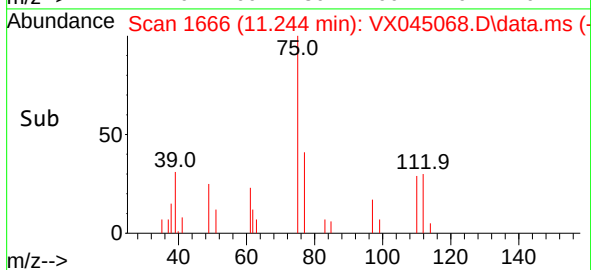
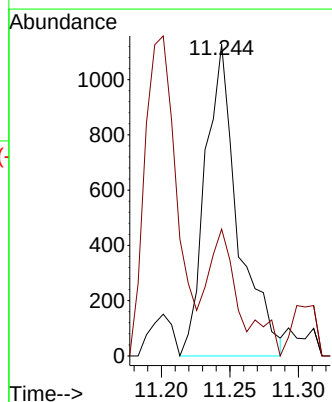
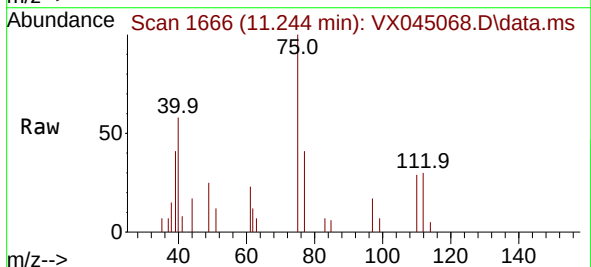
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

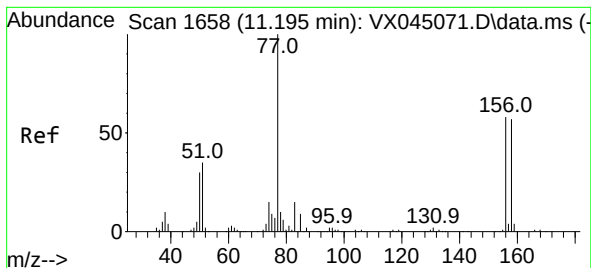
Tgt Ion: 83 Resp: 1809
Ion Ratio Lower Upper
83 100
131 9.2 4.5 13.4
85 73.7 31.7 95.1



#76
1,2,3-Trichloropropane
Concen: 1.246 ug/l
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 1878
Ion Ratio Lower Upper
75 100
77 32.6 20.7 62.1





#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

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC001

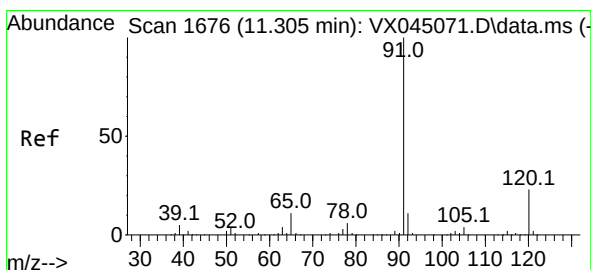
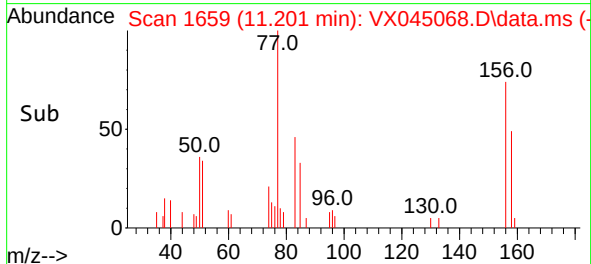
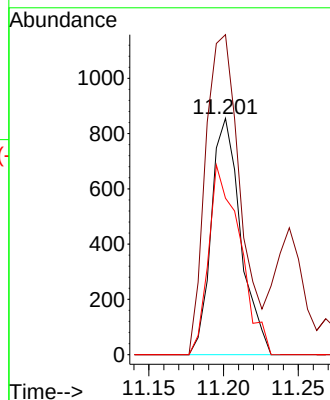
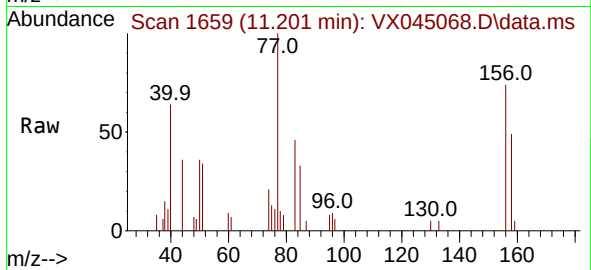
Tgt Ion:156 Resp: 1166

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

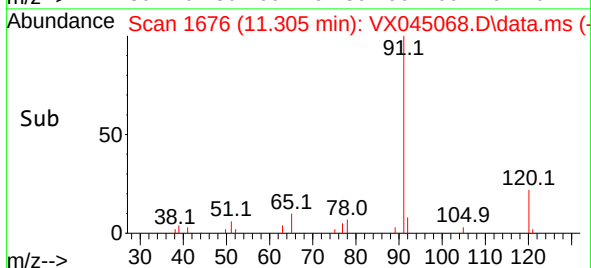
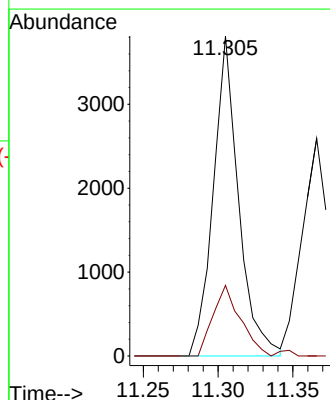
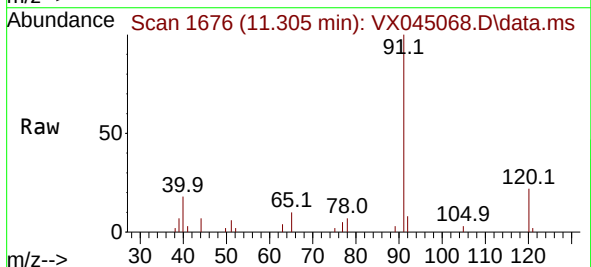
Acq: 28 Feb 2025 01:27

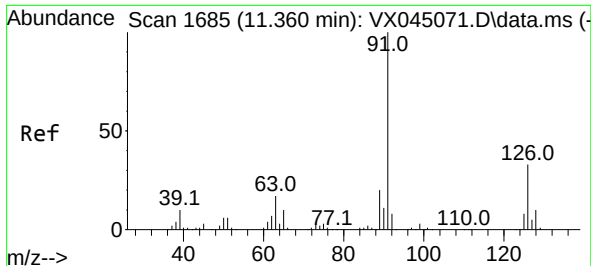
Tgt Ion: 91 Resp: 4475

Ion Ratio Lower Upper

91 100

120 23.9 11.2 33.6

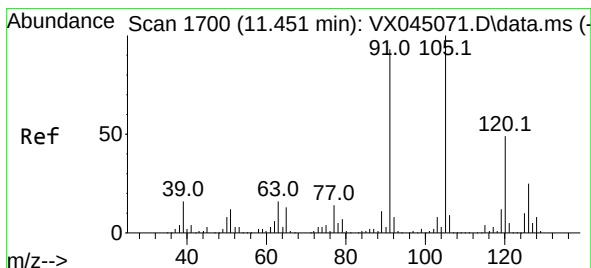
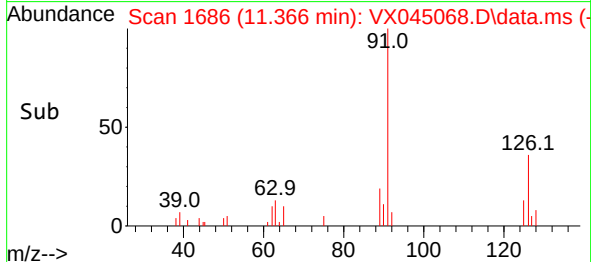
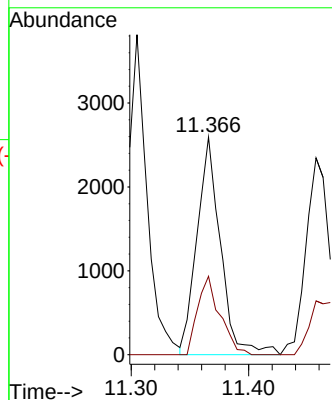
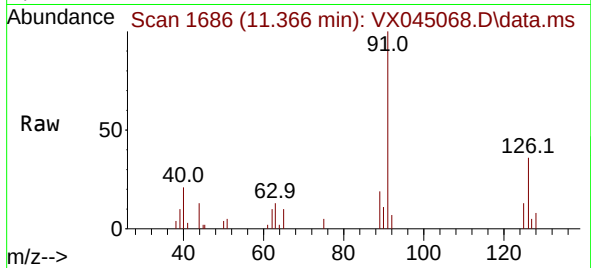




#79
2-Chlorotoluene
Concen: 0.986 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

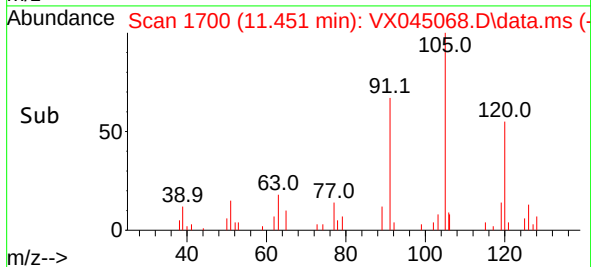
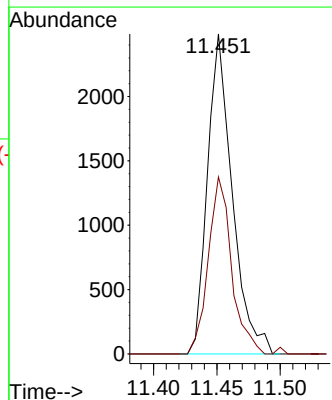
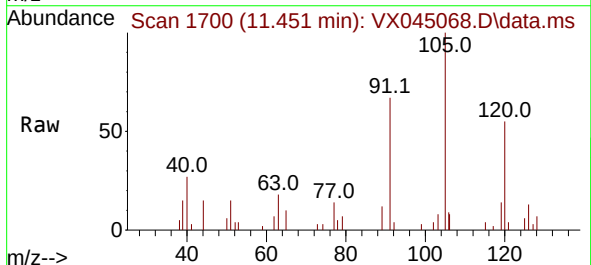
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

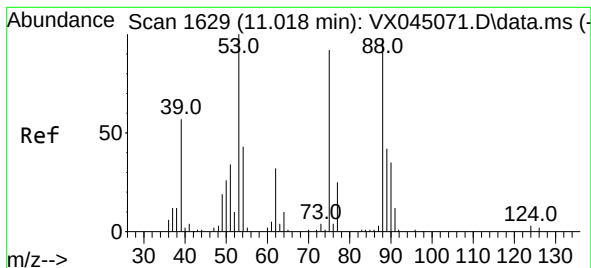
Tgt Ion: 91 Resp: 3616
Ion Ratio Lower Upper
91 100
126 34.2 16.4 49.4



#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

Tgt Ion: 105 Resp: 3386
Ion Ratio Lower Upper
105 100
120 52.2 24.1 72.2

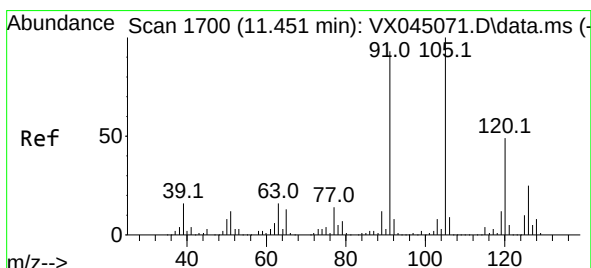
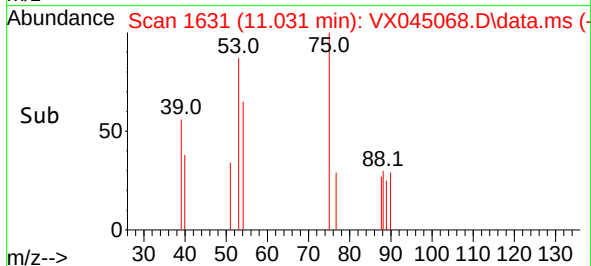
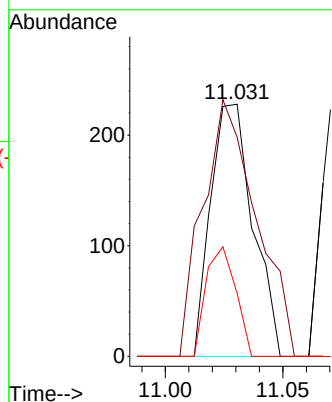
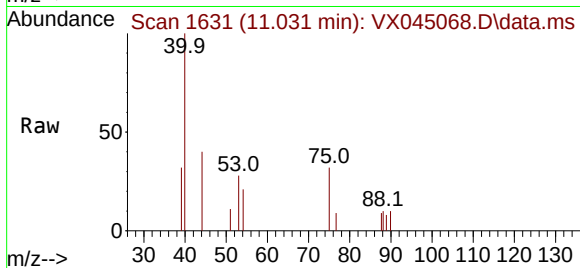




#81
trans-1,4-Dichloro-2-butene
Concen: 0.646 ug/l
RT: 11.031 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

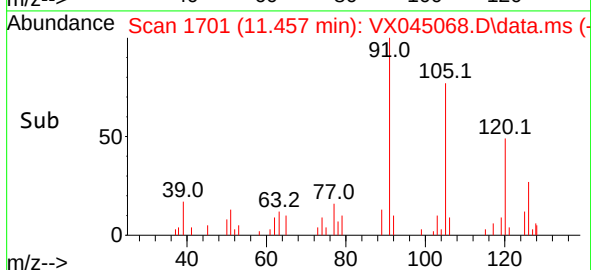
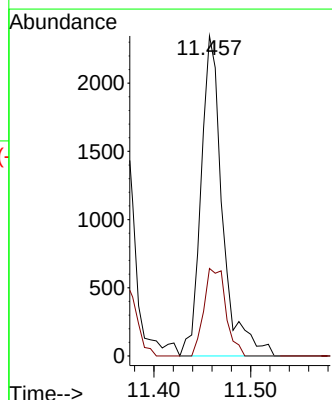
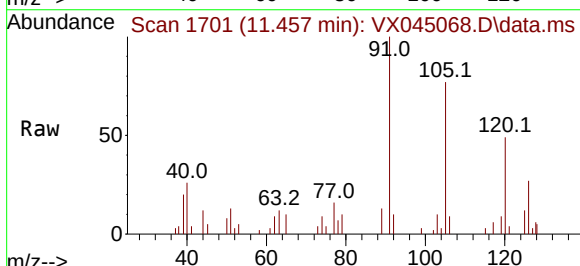
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

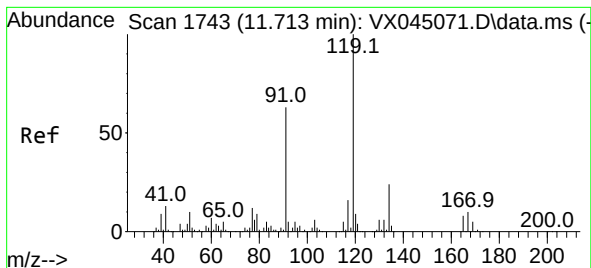
Tgt Ion: 75 Resp: 285
Ion Ratio Lower Upper
75 100
53 128.8 88.5 132.7
89 30.5 36.2 54.4#



#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# 11

Delta R.T. 0.000 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

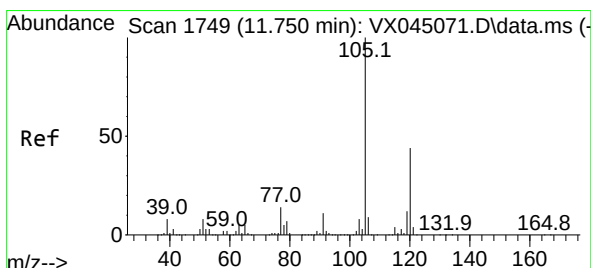
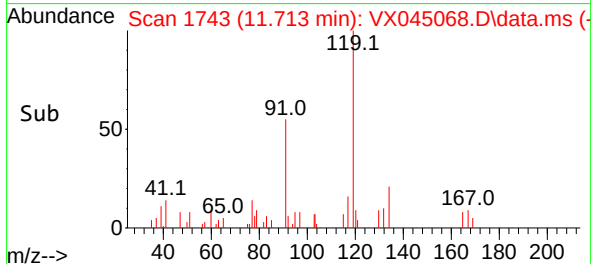
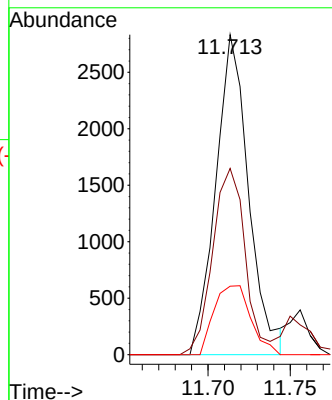
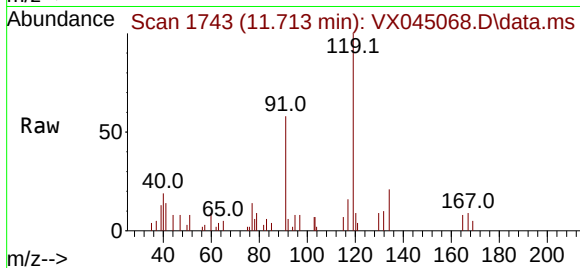
Tgt Ion:119 Resp: 3928

Ion Ratio Lower Upper

119 100

91 57.7 30.7 92.1

134 24.2 11.7 35.0



#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

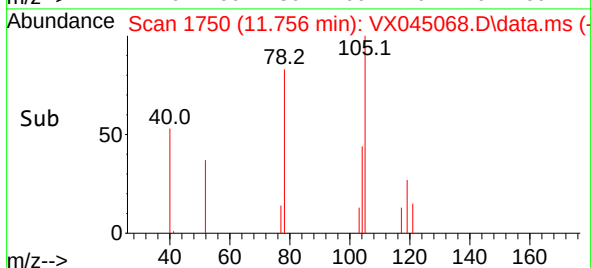
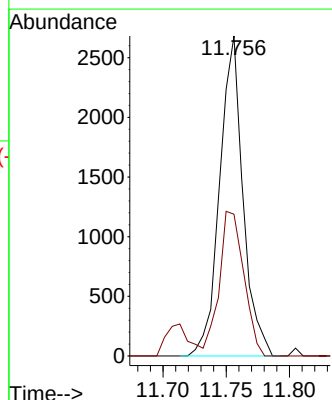
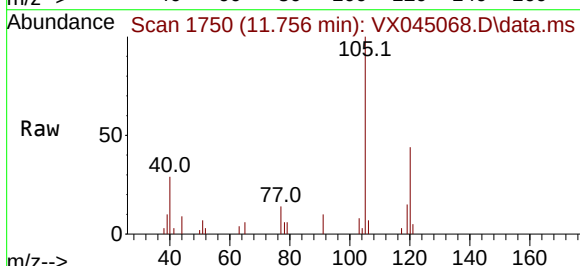
Acq: 28 Feb 2025 01:27

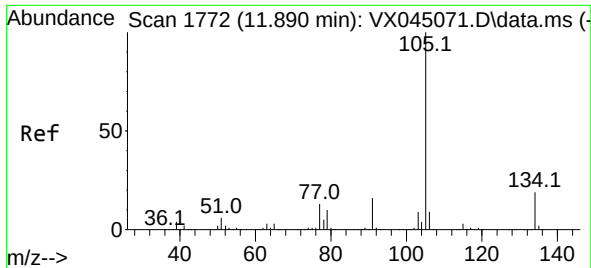
Tgt Ion:105 Resp: 3432

Ion Ratio Lower Upper

105 100

120 47.5 22.1 66.1

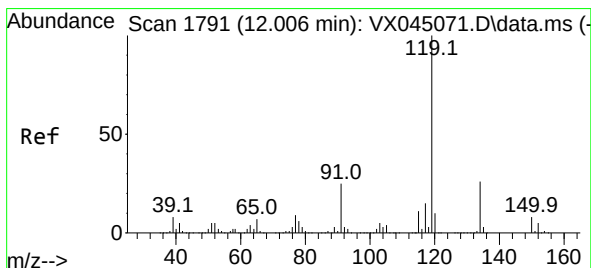
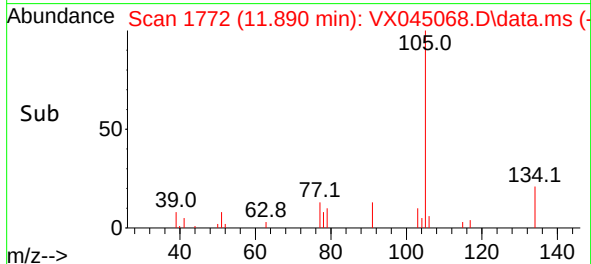
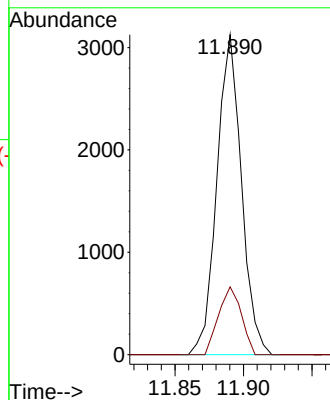
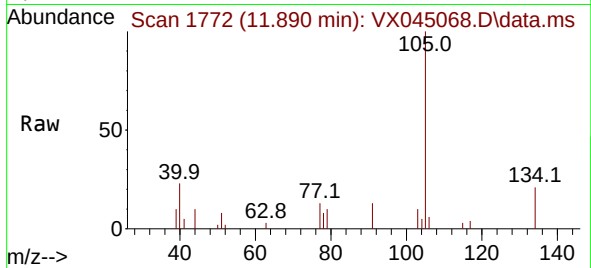




#85
 sec-Butylbenzene
 Concen: 0.752 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX045068.D
 Acq: 28 Feb 2025 01:27

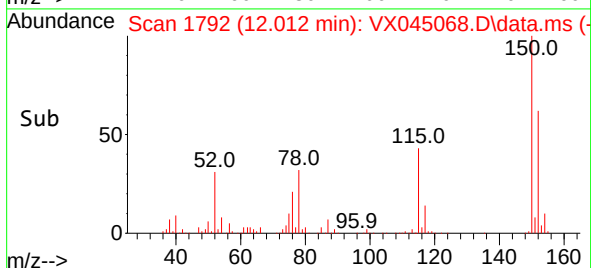
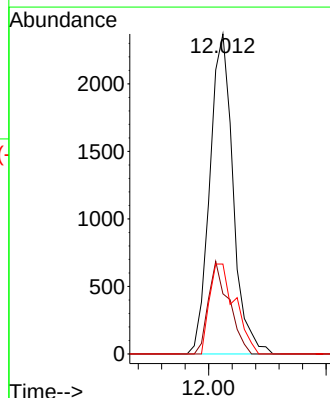
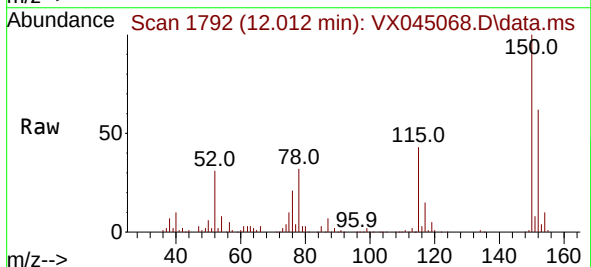
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

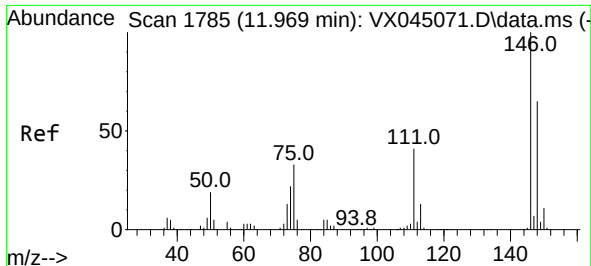
Tgt Ion:105 Resp: 3891
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.4



#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

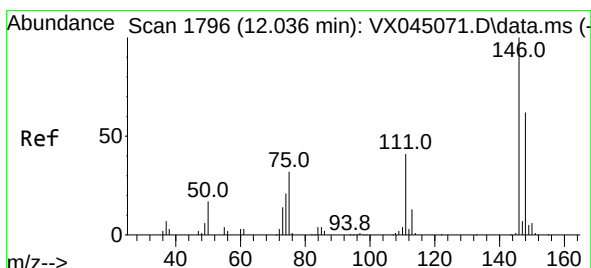
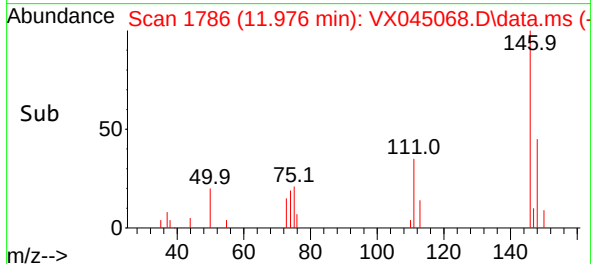
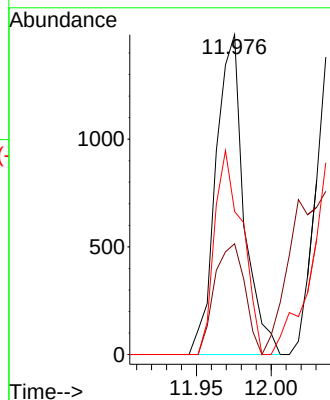
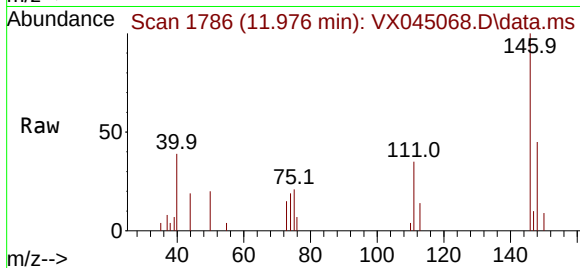
Tgt Ion:146 Resp: 1948

Ion Ratio Lower Upper

146 100

111 37.1 21.1 63.4

148 62.4 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 0.900 ug/l

RT: 11.976 min Scan# 1786

Delta R.T. -0.061 min

Lab File: VX045068.D

Acq: 28 Feb 2025 01:27

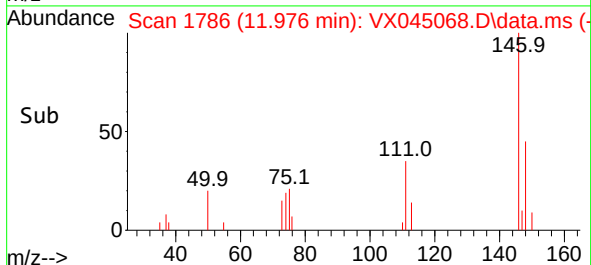
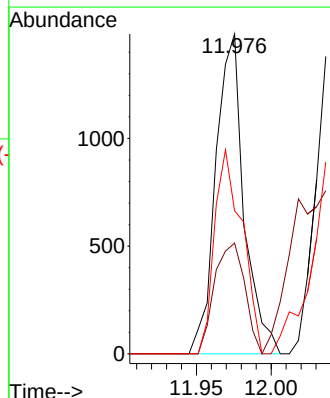
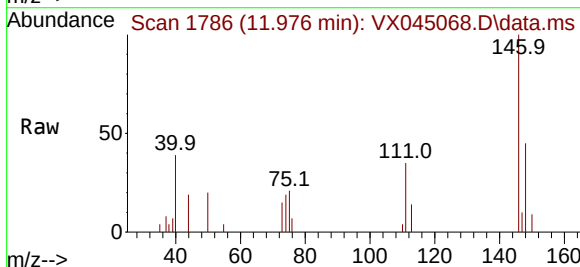
Tgt Ion:146 Resp: 1948

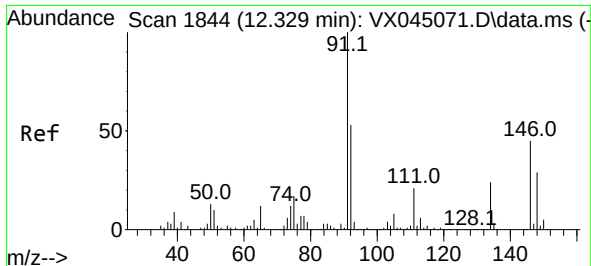
Ion Ratio Lower Upper

146 100

111 37.1 20.2 60.5

148 62.4 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

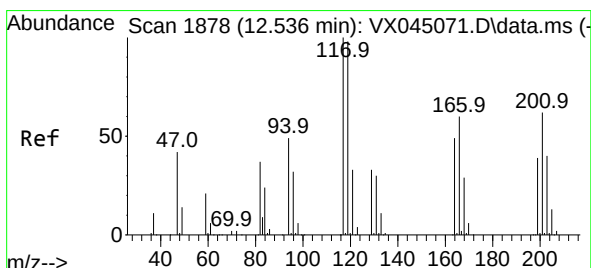
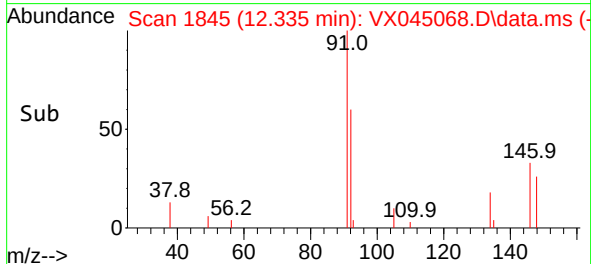
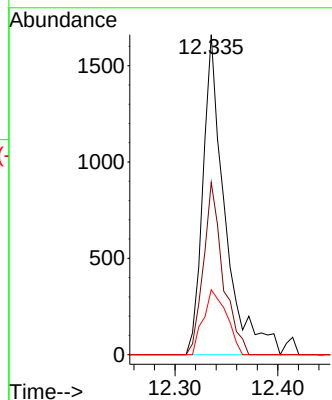
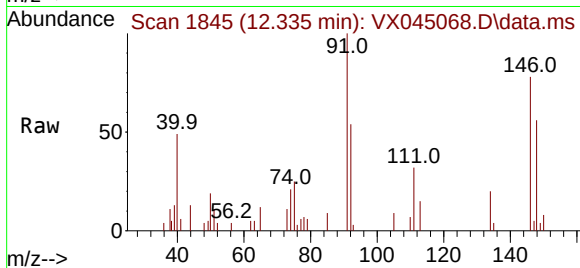
Tgt Ion: 91 Resp: 2470

Ion Ratio Lower Upper

91 100

92 48.0 26.7 80.0

134 21.4 12.2 36.6



#90

Hexachloroethane

Concen: 0.805 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX045068.D

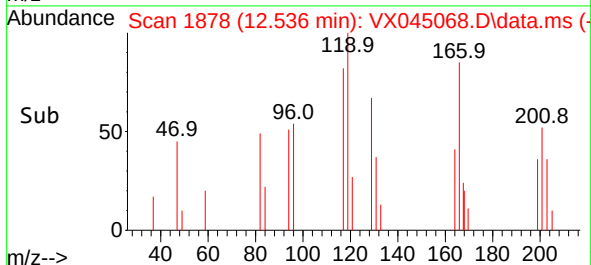
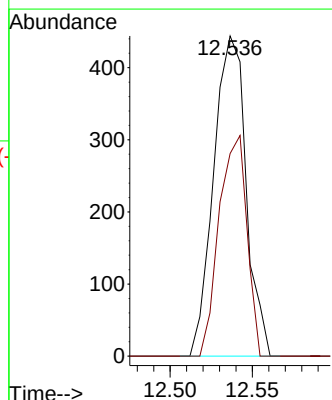
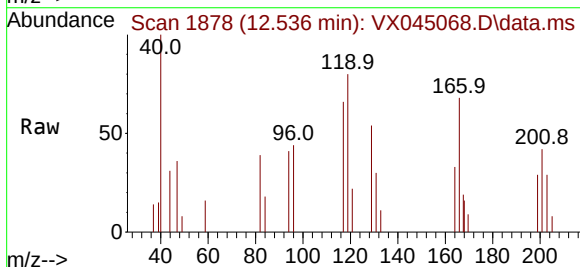
Acq: 28 Feb 2025 01:27

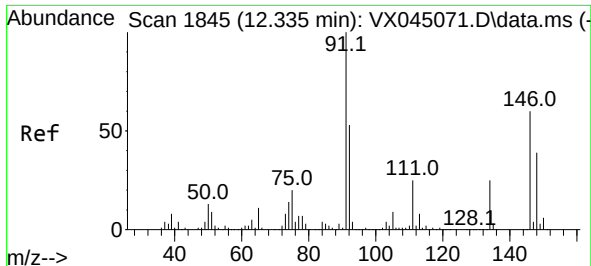
Tgt Ion: 117 Resp: 609

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 :

VSTDICC001

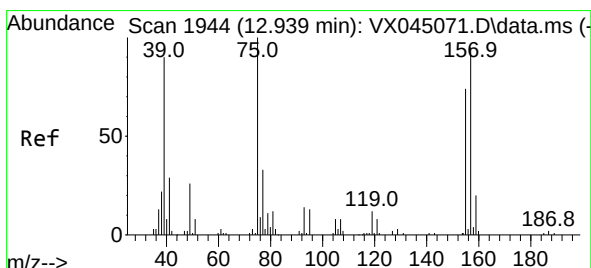
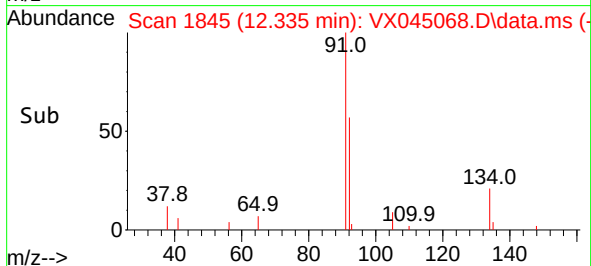
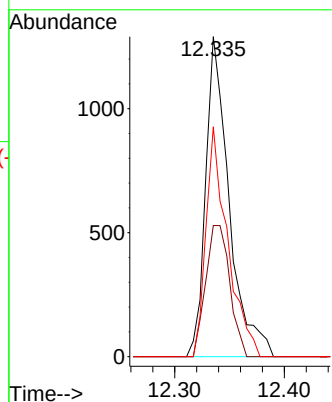
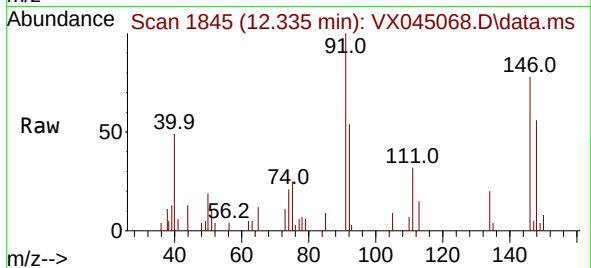
Tgt Ion:146 Resp: 1918

Ion Ratio Lower Upper

146 100

111 42.0 21.6 65.0

148 66.1 31.9 95.9



#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

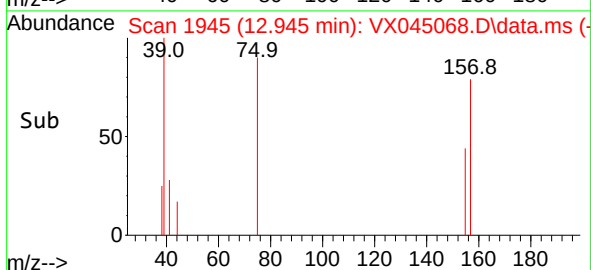
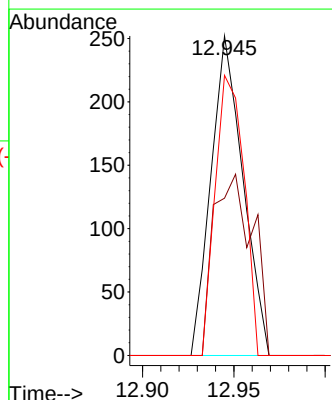
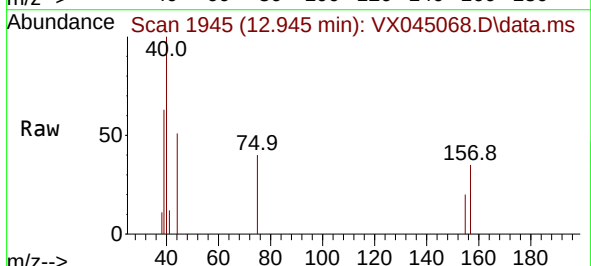
Tgt Ion: 75 Resp: 308

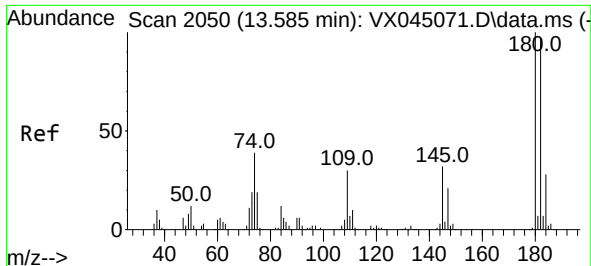
Ion Ratio Lower Upper

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 :

VSTDIC001

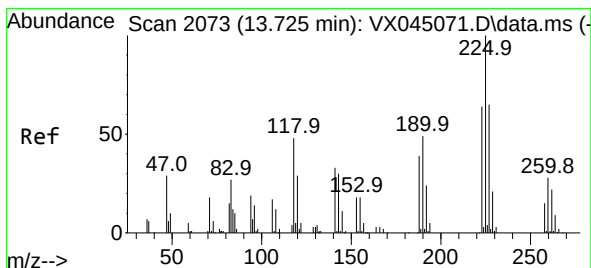
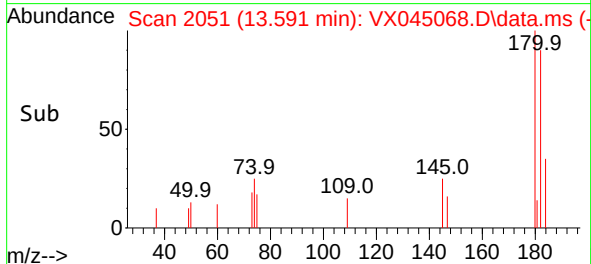
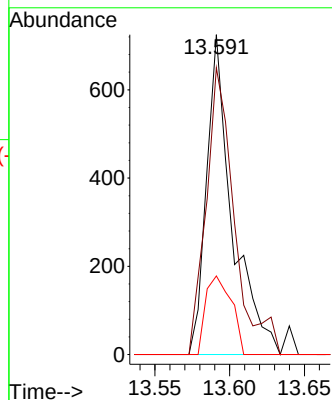
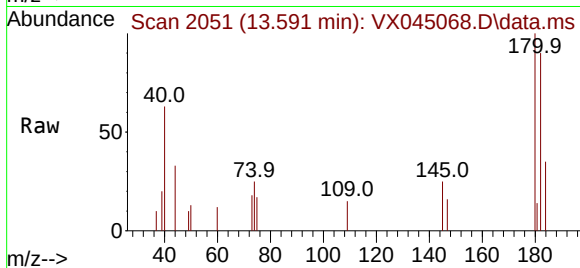
Tgt Ion:180 Resp: 866

Ion Ratio Lower Upper

180 100

182 98.7 47.3 141.9

145 24.5 16.3 48.9



#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

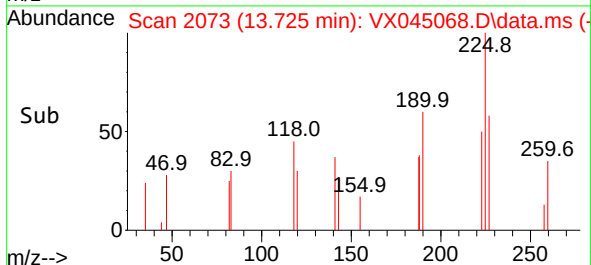
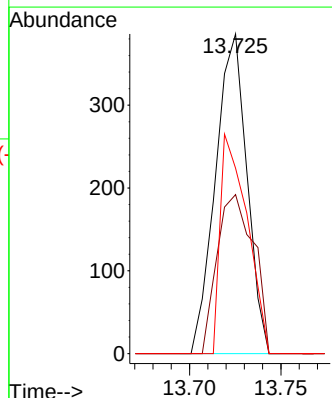
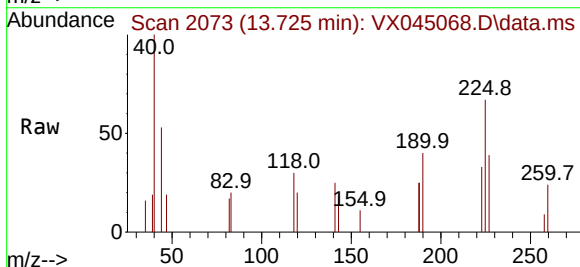
Tgt Ion:225 Resp: 462

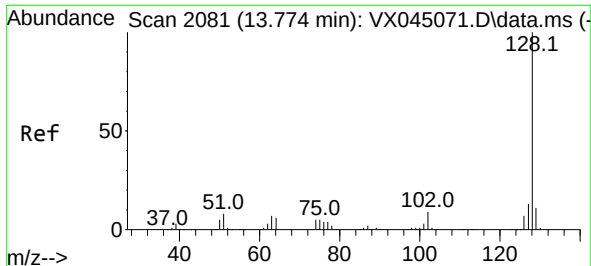
Ion Ratio Lower Upper

225 100

223 57.8 31.9 95.7

227 58.7 31.4 94.0

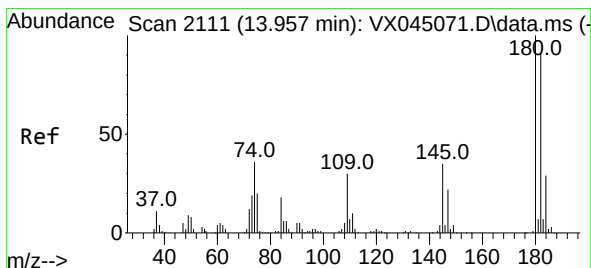
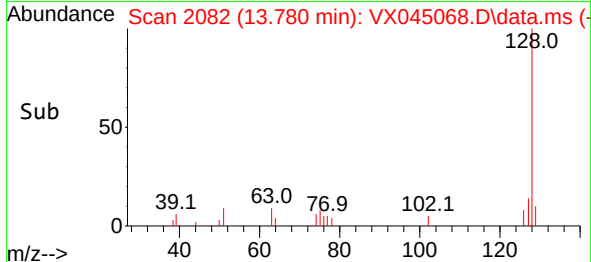
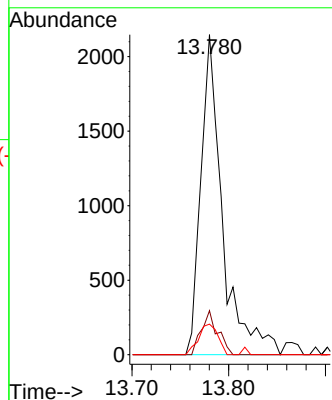
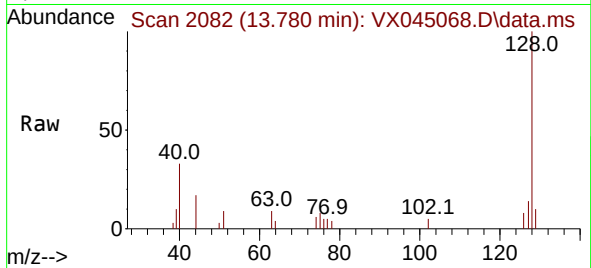




#95
Naphthalene
Concen: 0.707 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

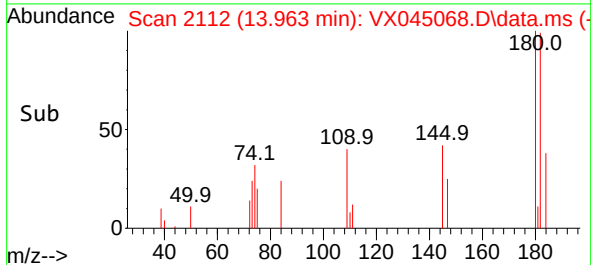
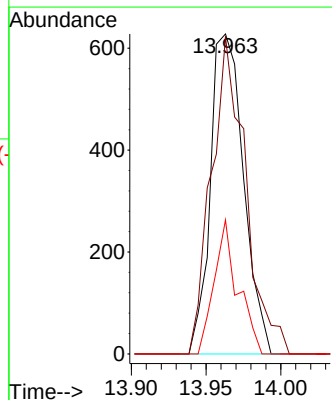
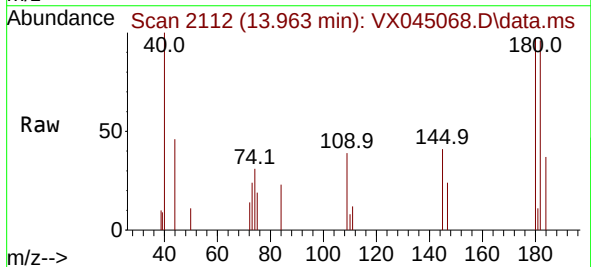
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tgt Ion:128 Resp: 3337
Ion Ratio Lower Upper
128 100
127 10.5 10.3 15.5
129 8.6 8.7 13.1#



#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 : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

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)

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	7224	24.859	ug/l	99
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 : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

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	10159	6.189	ug/l	89
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

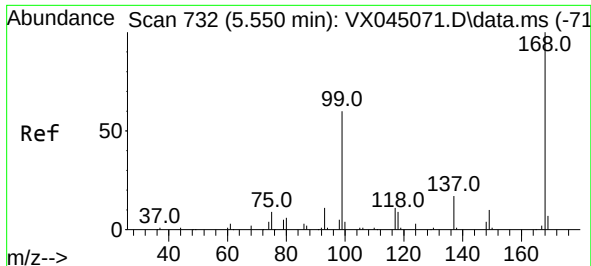
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Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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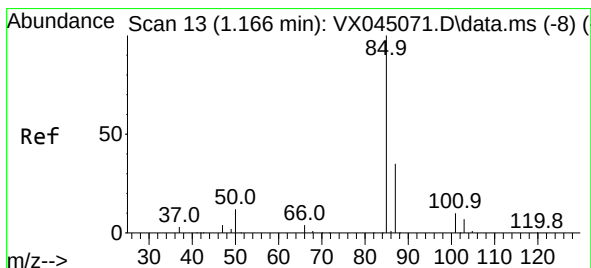
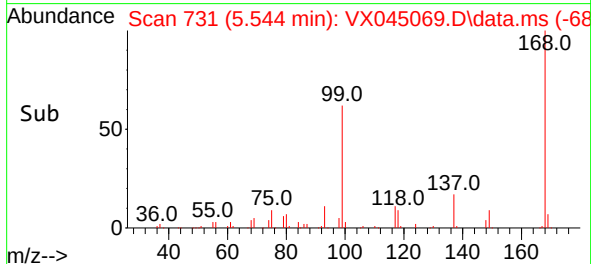
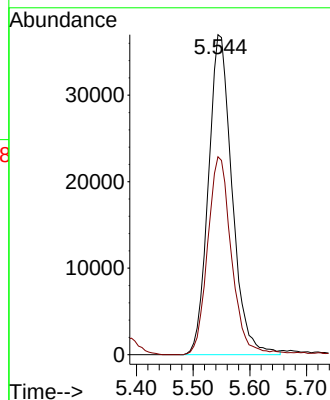
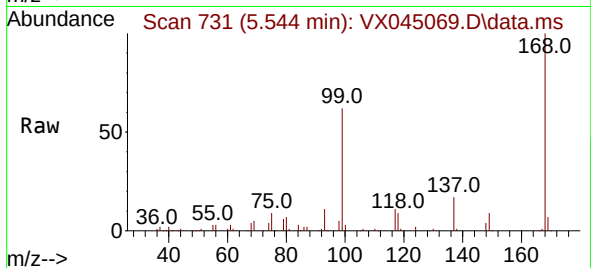
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#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

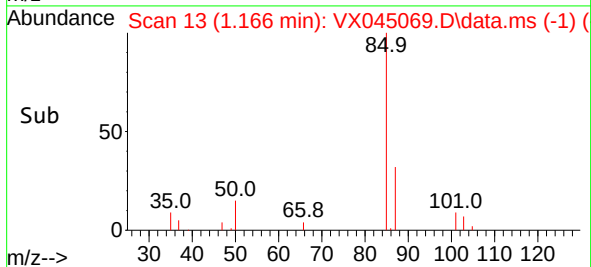
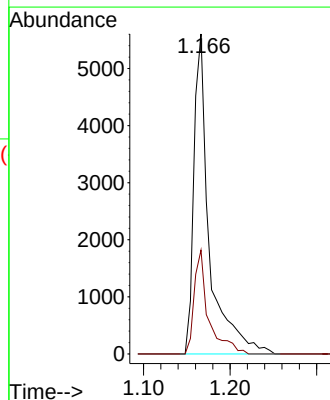
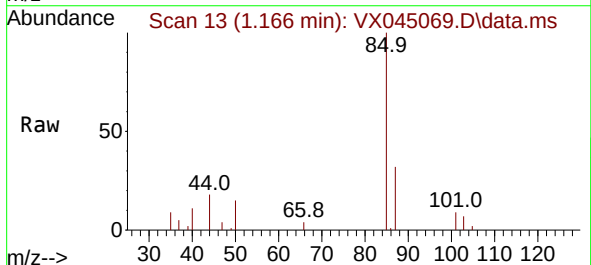
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

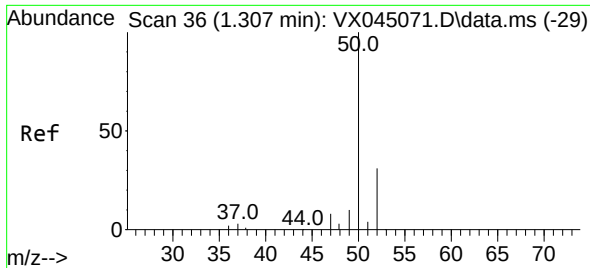
Tgt Ion:168 Resp: 107391
Ion Ratio Lower Upper
168 100
99 61.8 48.2 72.4



#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

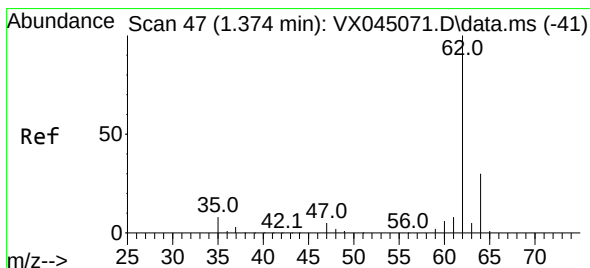
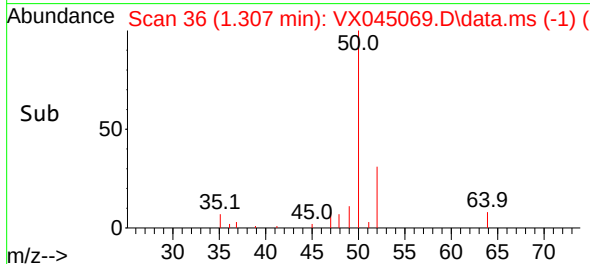
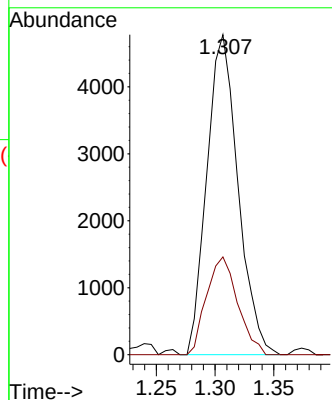
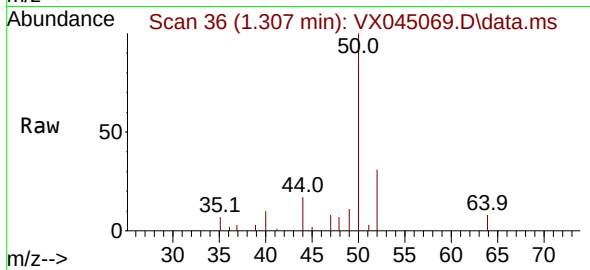




#3
Chloromethane
Concen: 4.896 ug/l
RT: 1.307 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

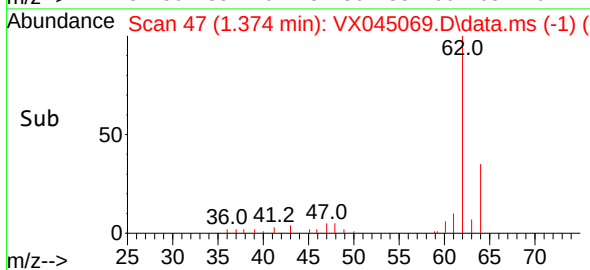
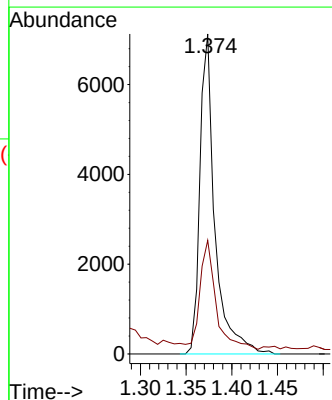
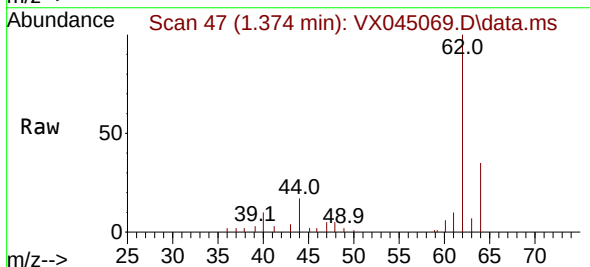
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

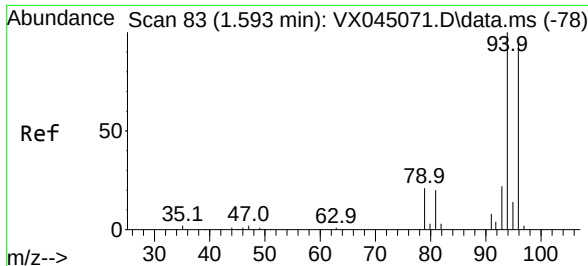
Tgt Ion: 50 Resp: 8819
Ion Ratio Lower Upper
50 100
52 30.6 25.0 37.4



#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

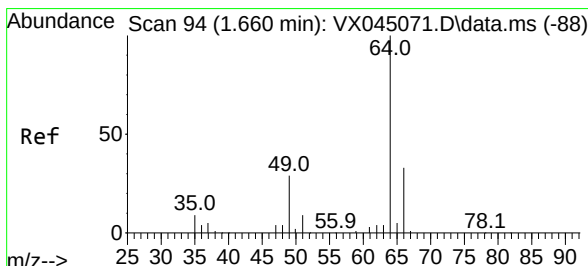
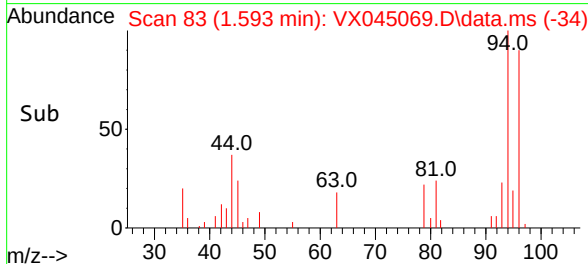
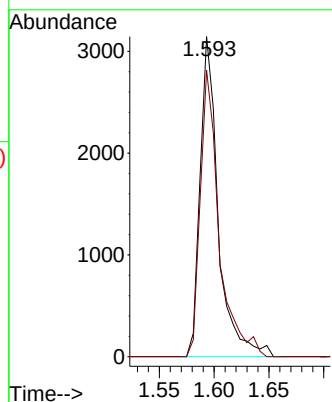
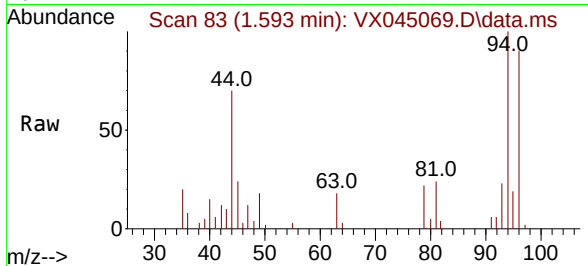




#5
Bromomethane
Concen: 6.582 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

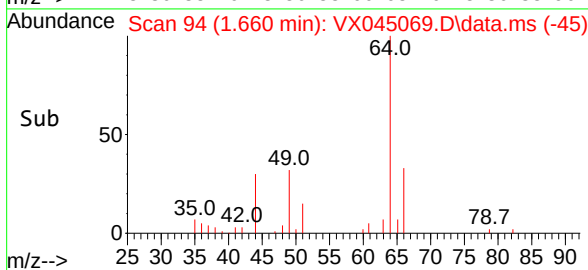
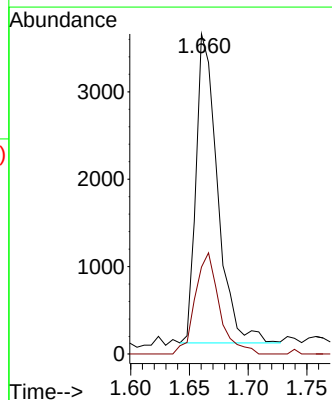
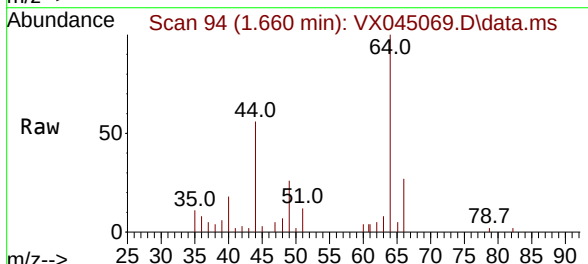
Instrument :
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ClientSampleId :
VSTDICC005

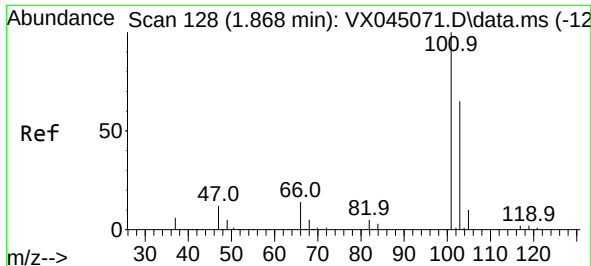
Tgt Ion: 94 Resp: 3620
Ion Ratio Lower Upper
94 100
96 89.5 75.0 112.4



#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

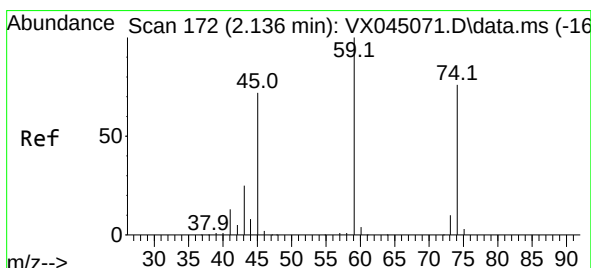
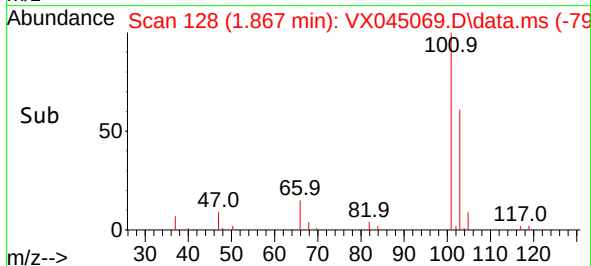
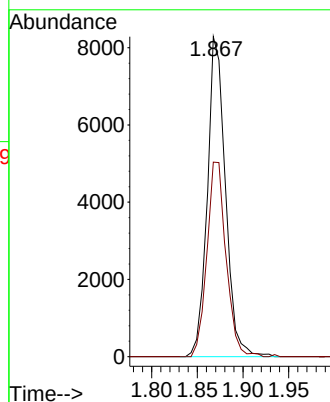
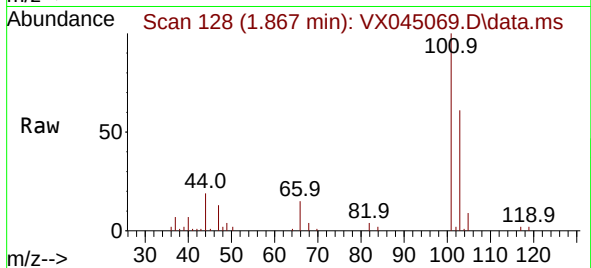




#7
Trichlorofluoromethane
Concen: 5.056 ug/l
RT: 1.867 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

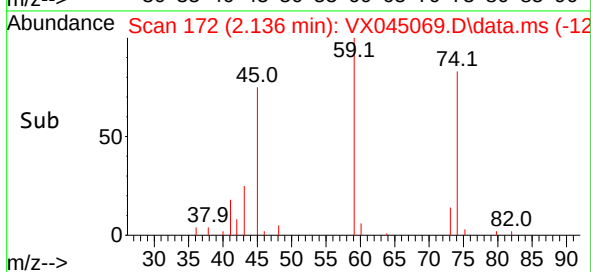
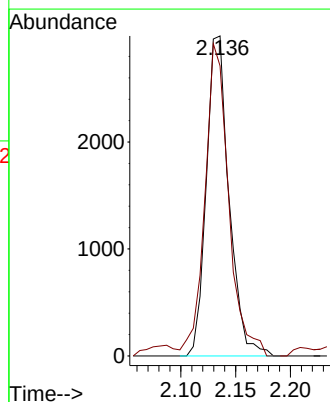
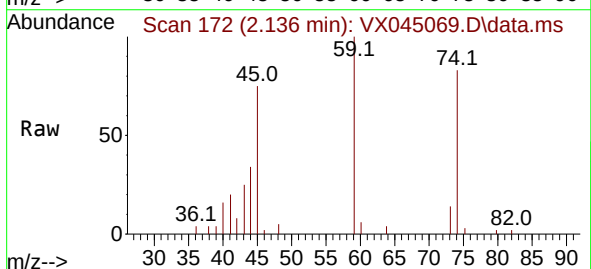
Instrument :
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ClientSampleId :
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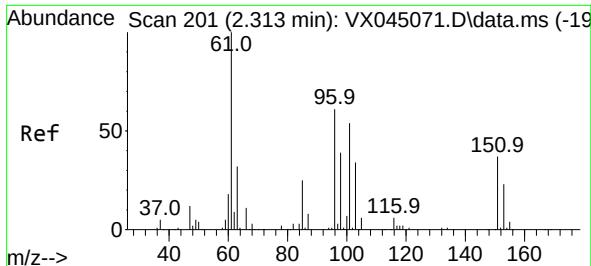
Tgt Ion:101 Resp: 11392
Ion Ratio Lower Upper
101 100
103 60.8 52.1 78.1



#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

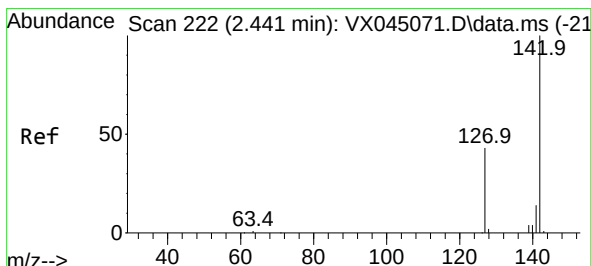
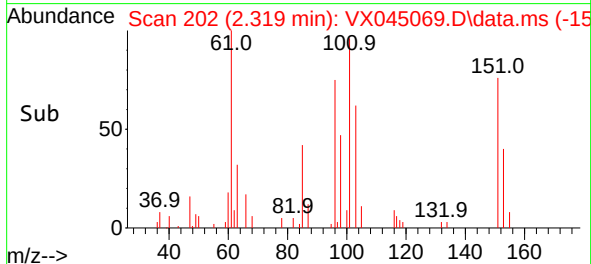
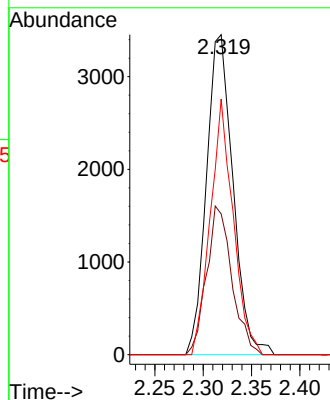
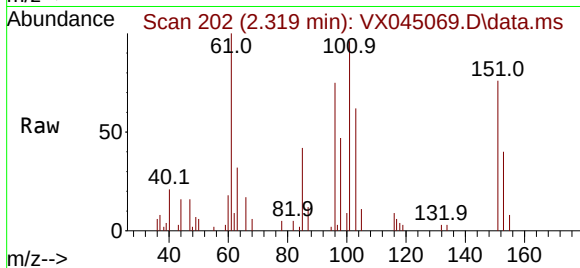




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.894 ug/l
RT: 2.319 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

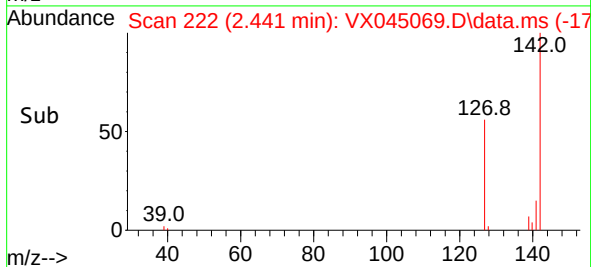
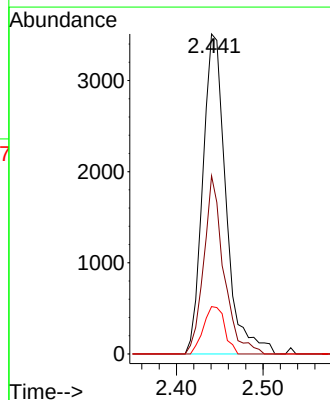
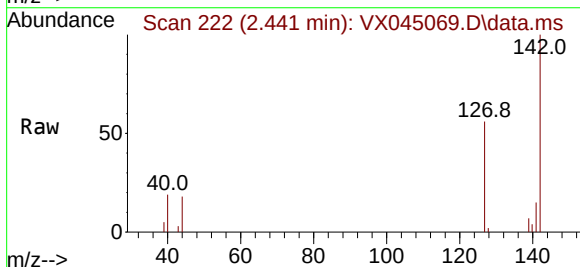
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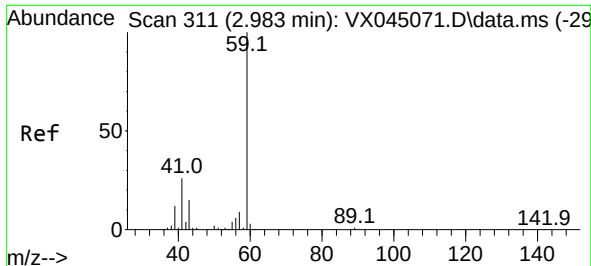
Tgt Ion:	101	Resp:	6586
Ion	Ratio	Lower	Upper
101	100		
85	44.4	36.2	54.4
151	69.0	56.4	84.6



#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

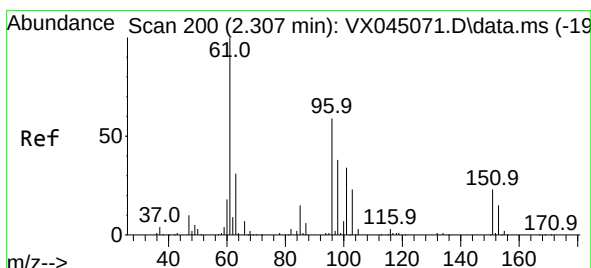
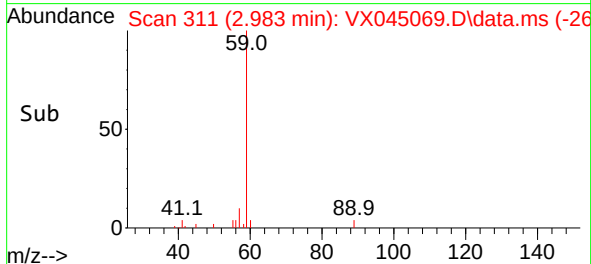
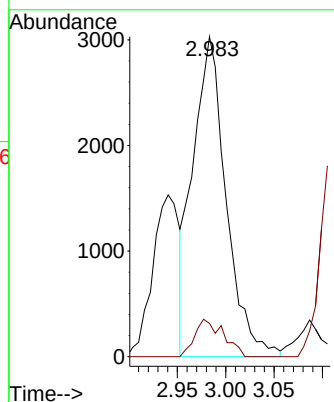
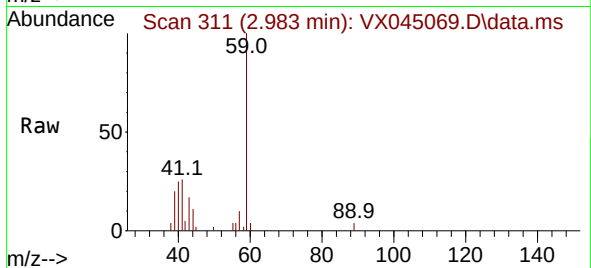




#11
Tert butyl alcohol
Concen: 24.859 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

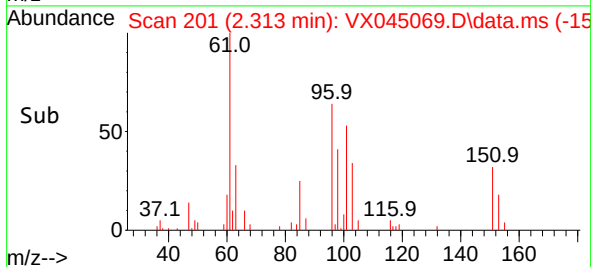
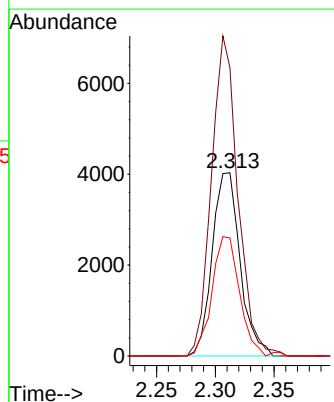
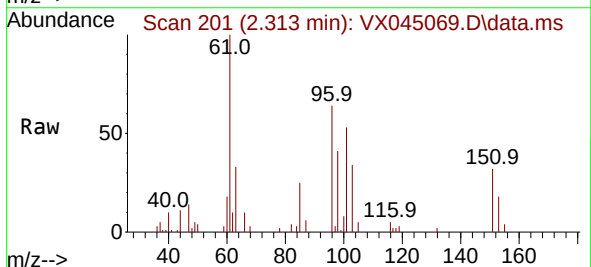
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

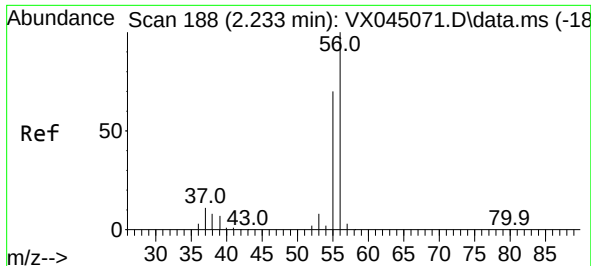
Tgt Ion: 59 Resp: 7224
Ion Ratio Lower Upper
59 100
57 10.1 7.8 11.8



#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

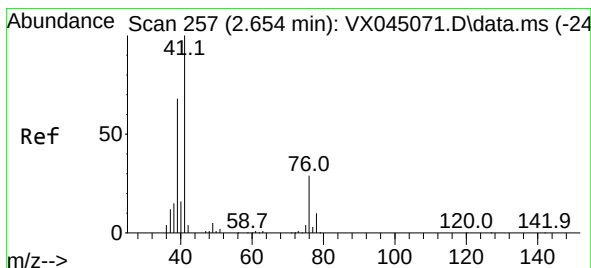
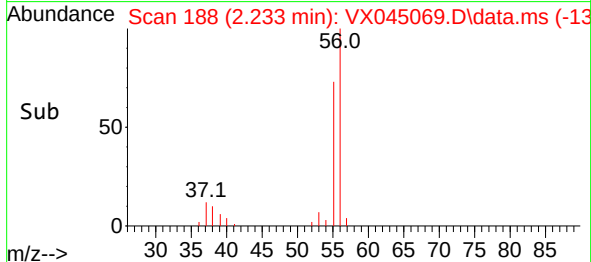
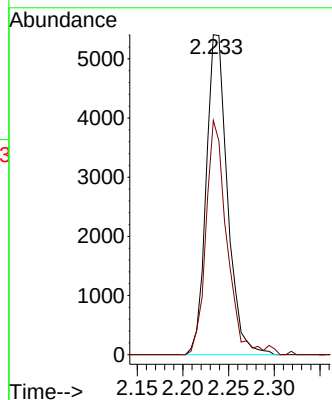
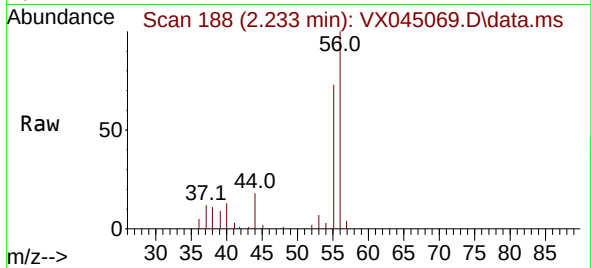




#13
Acrolein
Concen: 27.725 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

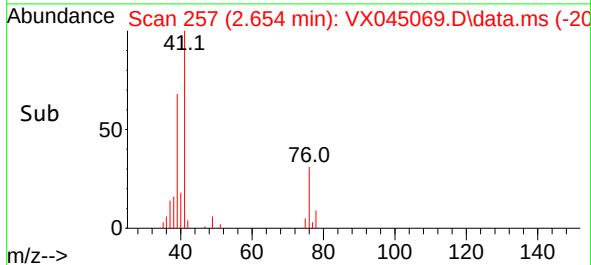
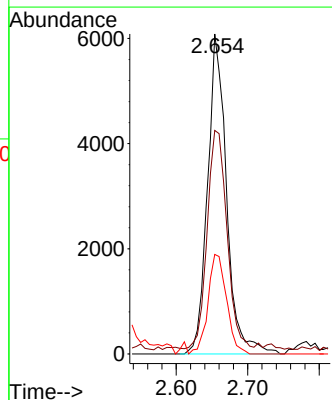
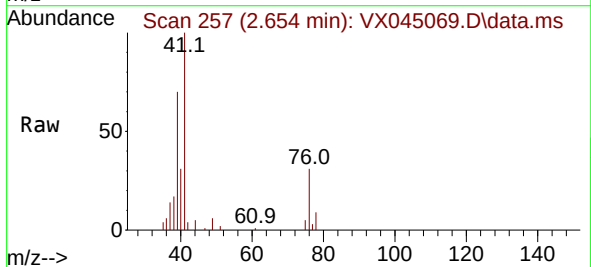
Instrument : MSVOA_X
ClientSampleId : VSTDIC005

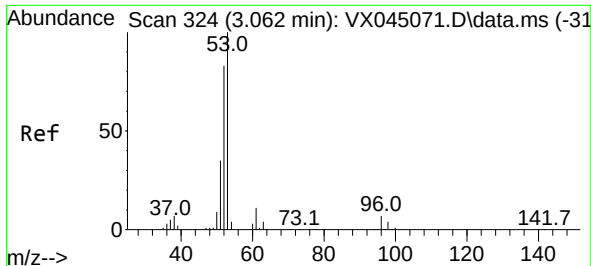
Tgt Ion: 56 Resp: 8725
Ion Ratio Lower Upper
56 100
55 72.4 56.2 84.4



#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

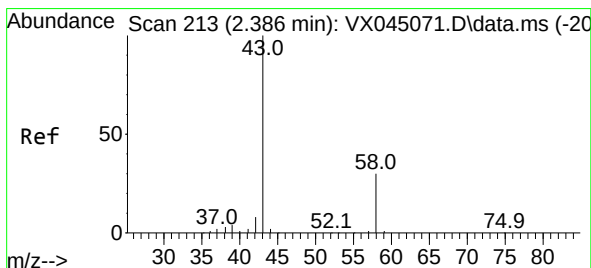
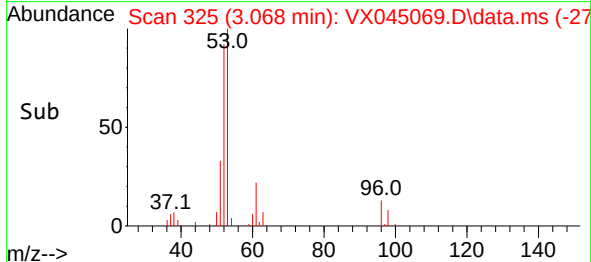
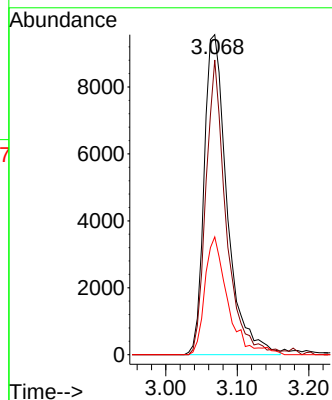
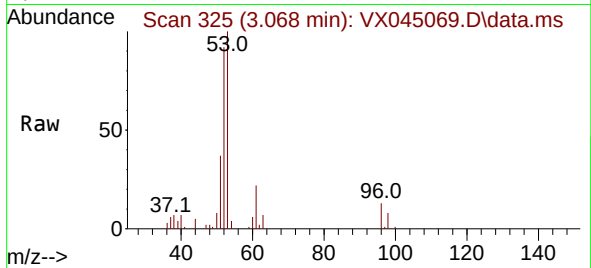




#15
Acrylonitrile
Concen: 27.072 ug/l
RT: 3.068 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

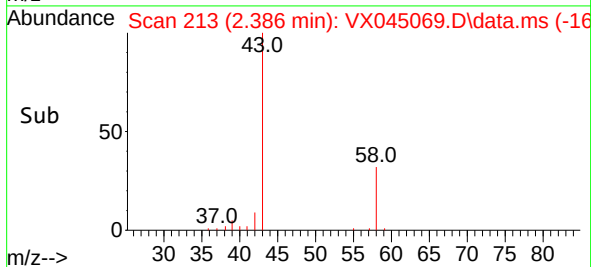
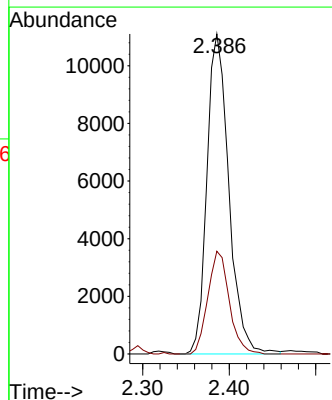
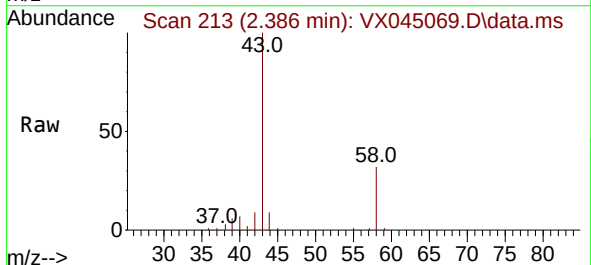
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

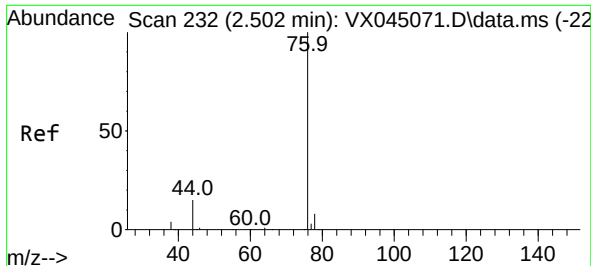
Tgt Ion: 53	Resp: 21381
Ion Ratio	Lower Upper
53 100	
52 81.1	66.2 99.2
51 36.7	29.0 43.4



#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

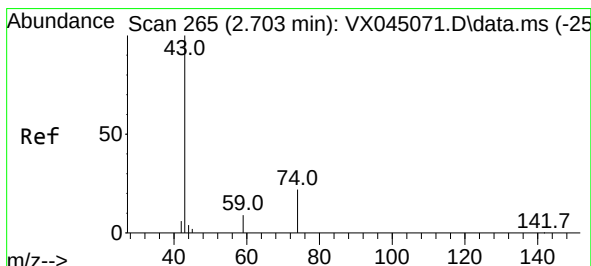
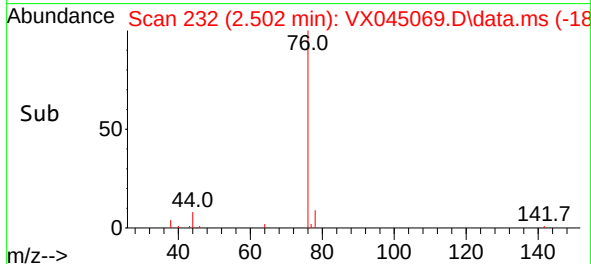
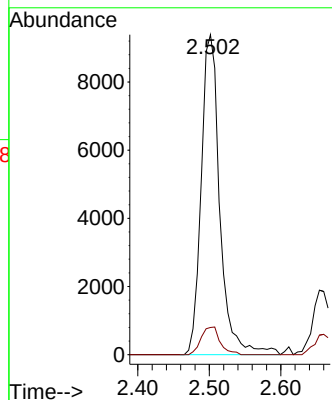
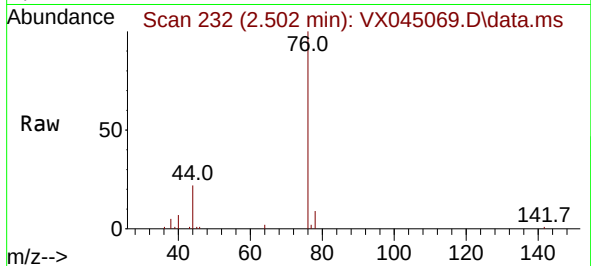




#17
Carbon Disulfide
Concen: 4.518 ug/l
RT: 2.502 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

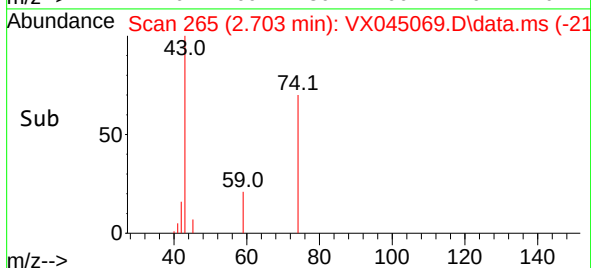
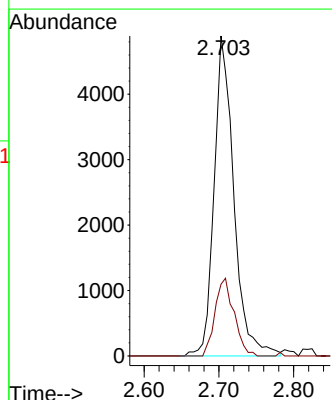
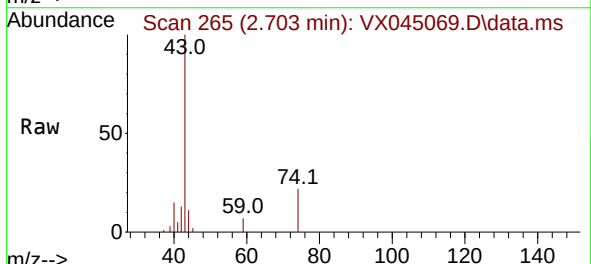
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

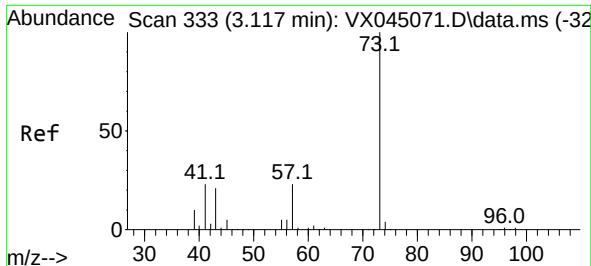
Tgt Ion: 76 Resp: 16984
Ion Ratio Lower Upper
76 100
78 8.5 6.6 9.8



#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

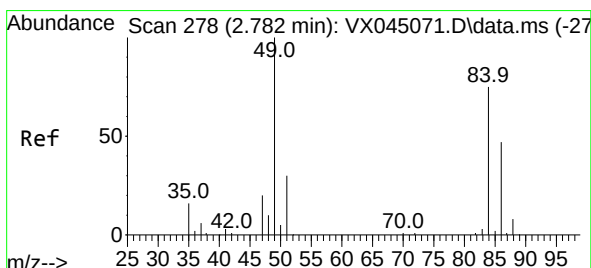
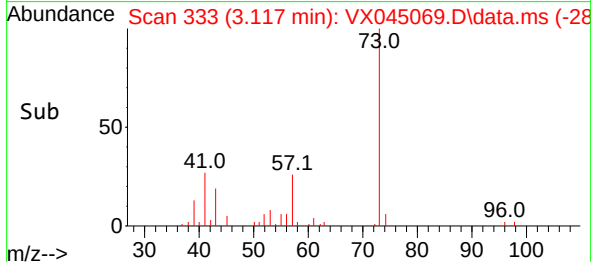
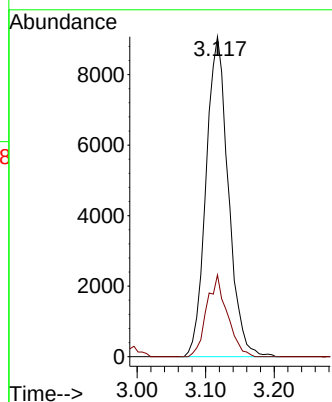
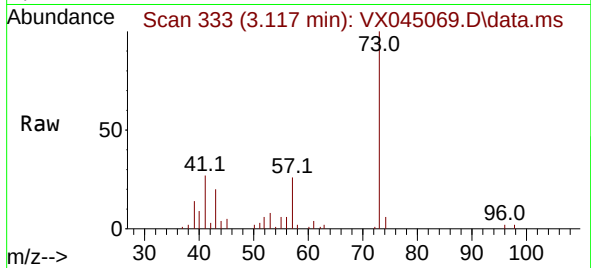




#19
Methyl tert-butyl Ether
Concen: 4.651 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

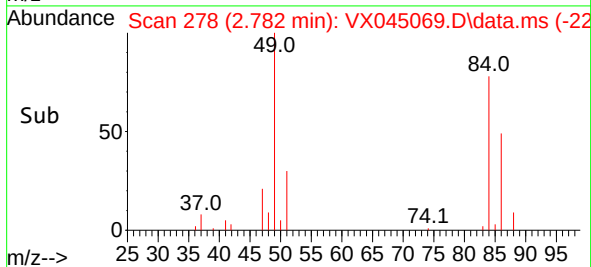
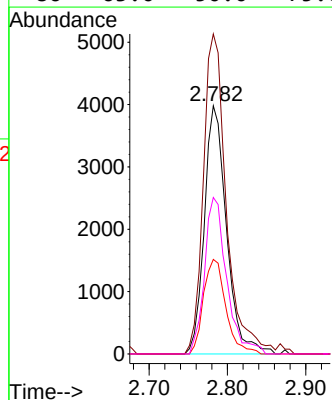
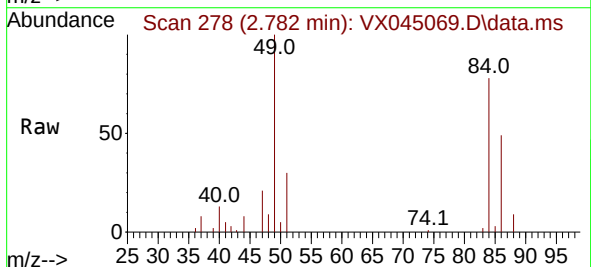
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

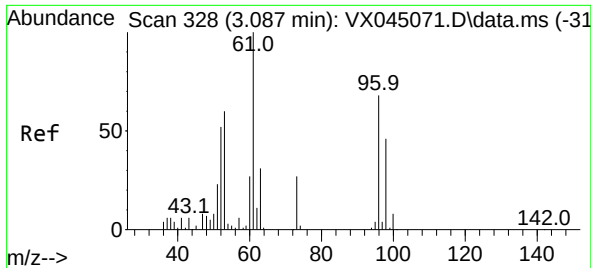
Tgt Ion: 73 Resp: 20546
Ion Ratio Lower Upper
73 100
57 25.6 18.5 27.7



#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

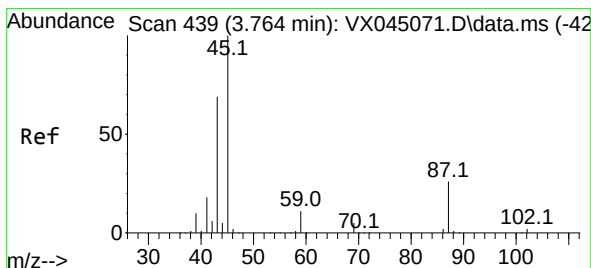
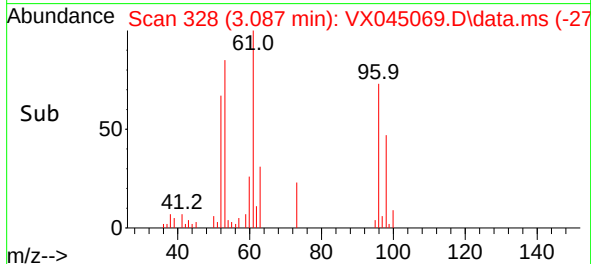
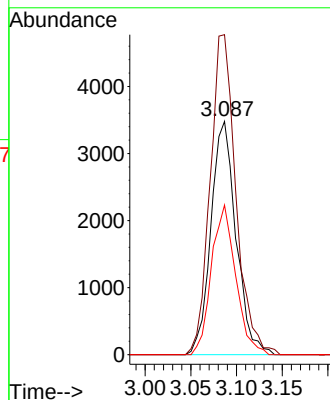
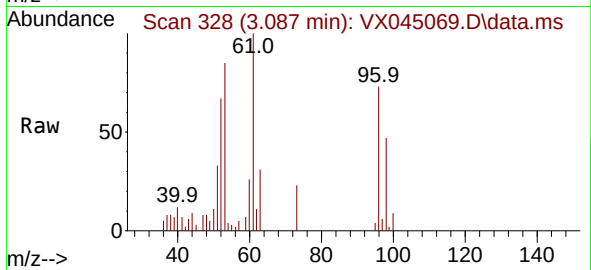




#21
trans-1,2-Dichloroethene
Concen: 4.895 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

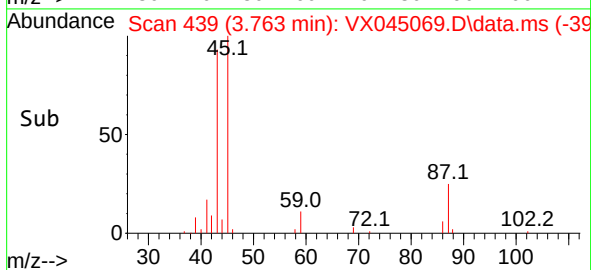
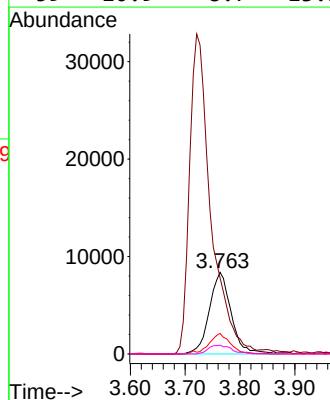
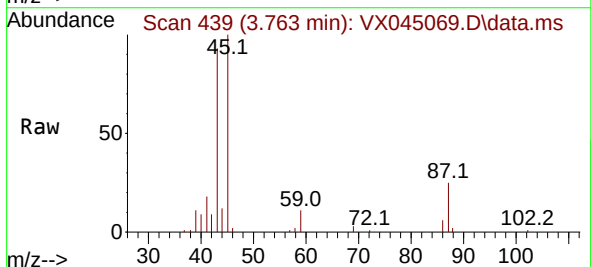
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

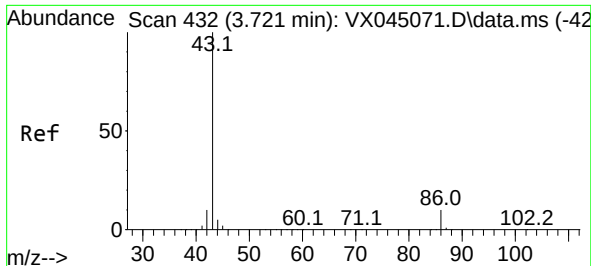
Tgt Ion:	96	Resp:	6651
Ion	Ratio	Lower	Upper
96	100		
61	137.2	117.0	175.4
98	64.1	53.4	80.2



#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

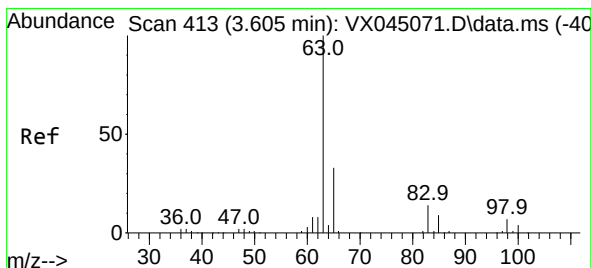
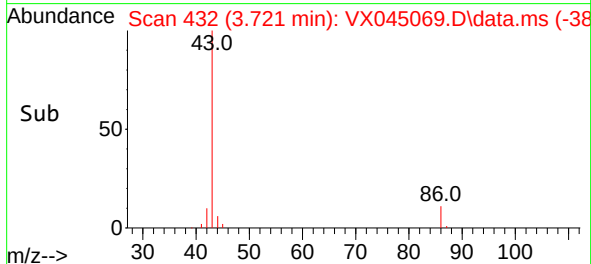
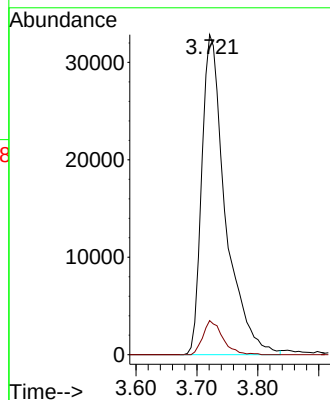
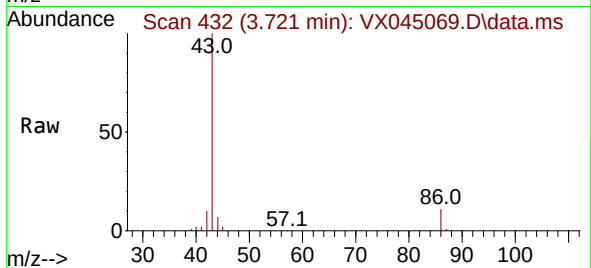




#23
 Vinyl Acetate
 Concen: 22.788 ug/l
 RT: 3.721 min Scan# 413
 Delta R.T. -0.000 min
 Lab File: VX045069.D
 Acq: 28 Feb 2025 02:13

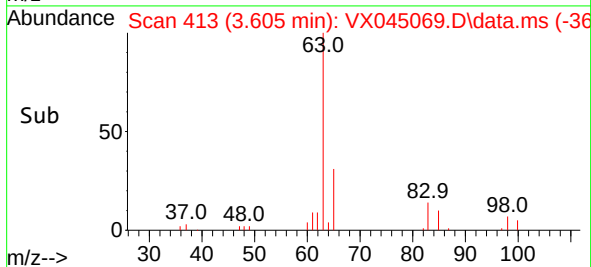
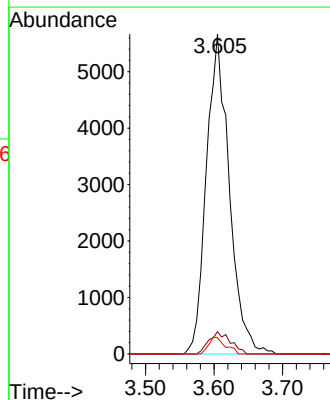
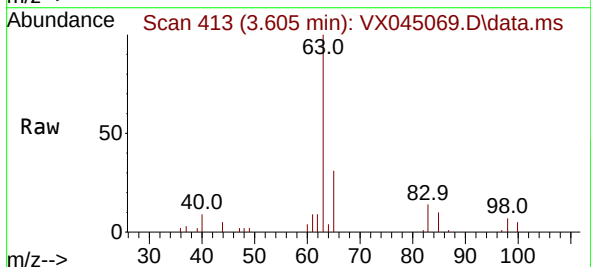
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

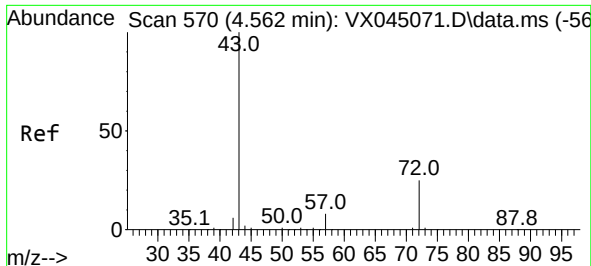
Tgt Ion: 43 Resp: 88852
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.1 12.1



#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

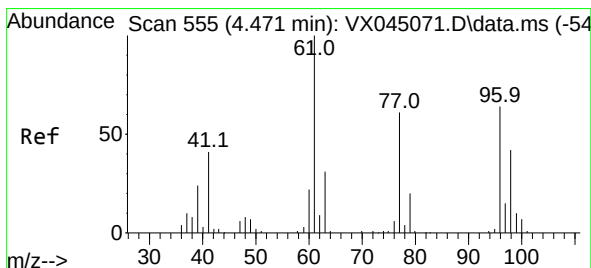
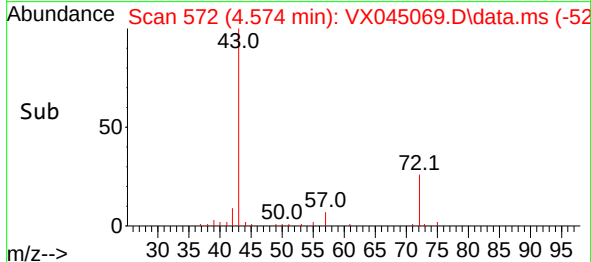
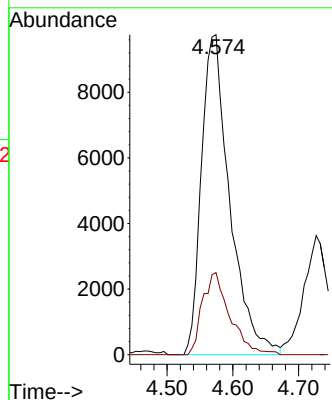
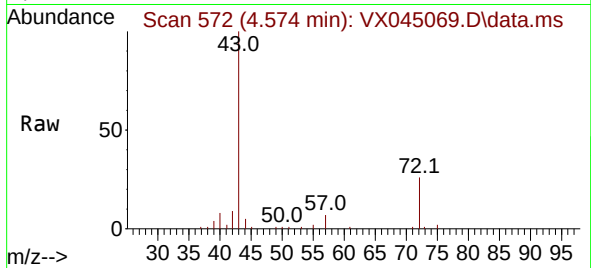




#25
2-Butanone
Concen: 27.819 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

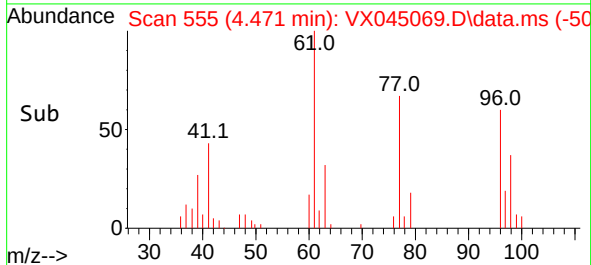
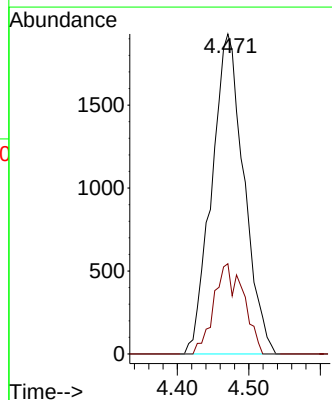
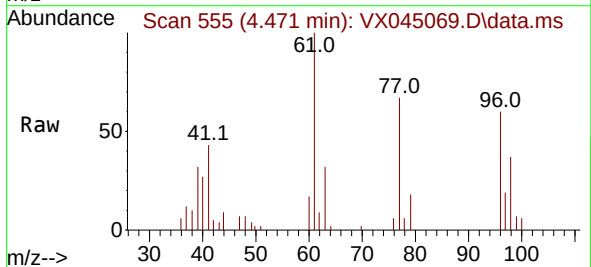
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

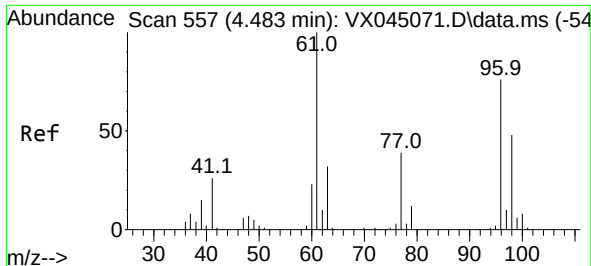
Tgt Ion: 43 Resp: 29277
Ion Ratio Lower Upper
43 100
72 25.7 20.0 30.0



#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

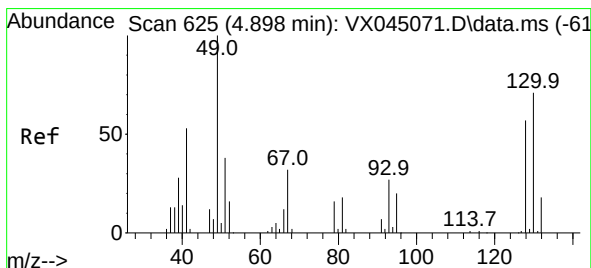
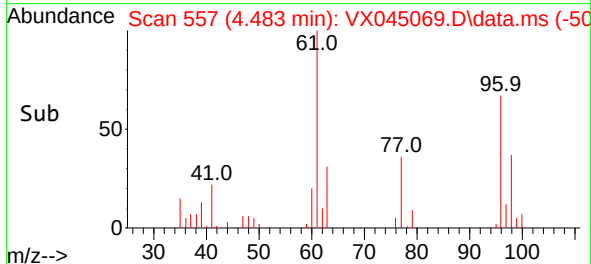
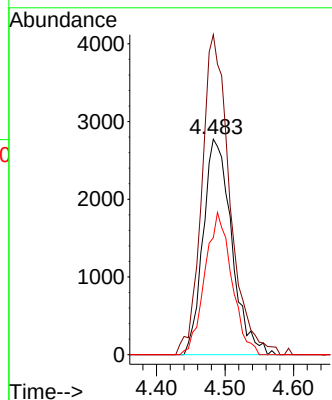
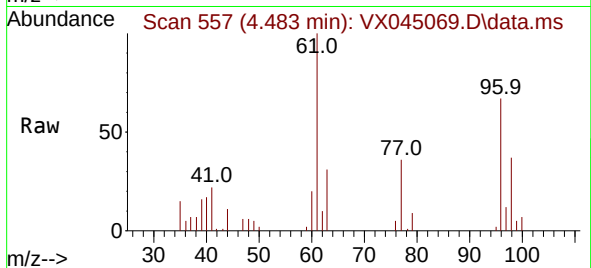
Tgt Ion: 96 Resp: 8012

Ion Ratio Lower Upper

96 100

61 146.1 0.0 283.2

98 62.0 0.0 128.0



#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

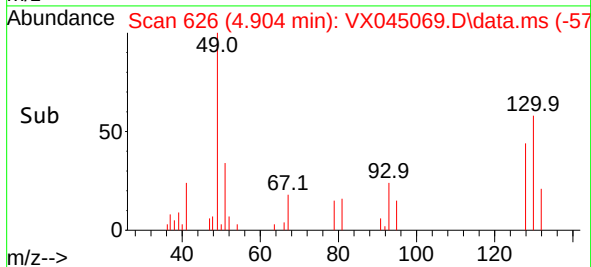
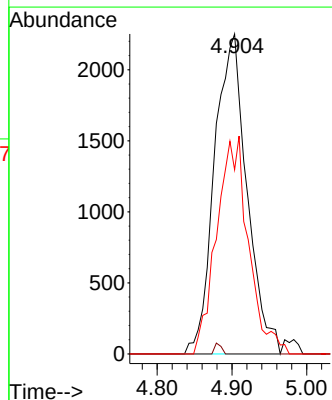
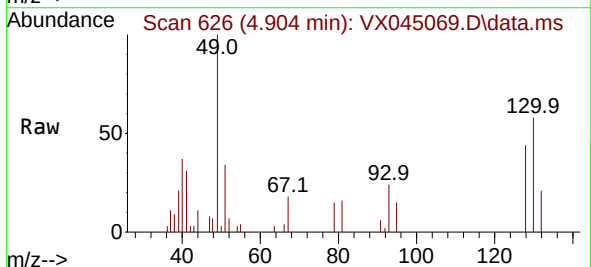
Tgt Ion: 49 Resp: 6797

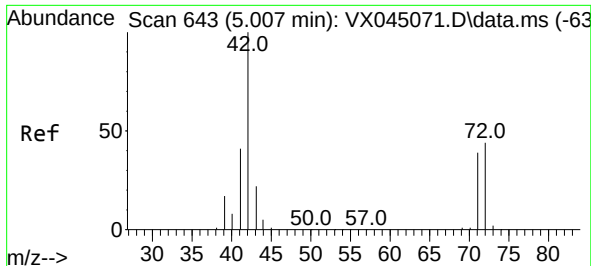
Ion Ratio Lower Upper

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

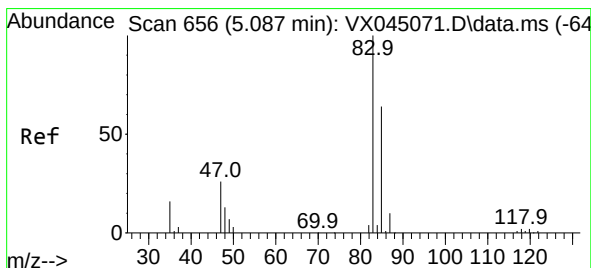
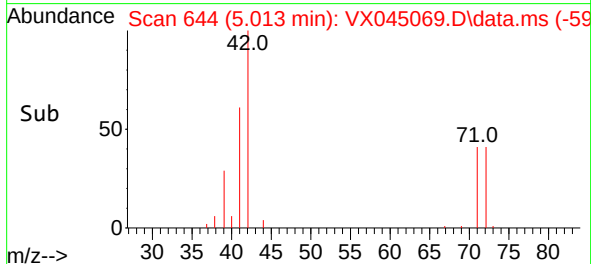
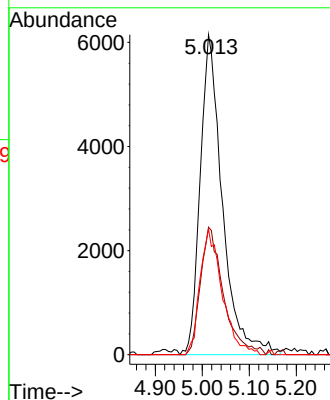
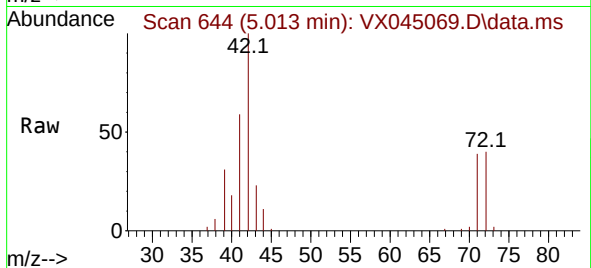
Tgt Ion: 42 Resp: 20186

Ion Ratio Lower Upper

42 100

72 41.2 34.1 51.1

71 39.3 31.4 47.0



#30

Chloroform

Concen: 5.159 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX045069.D

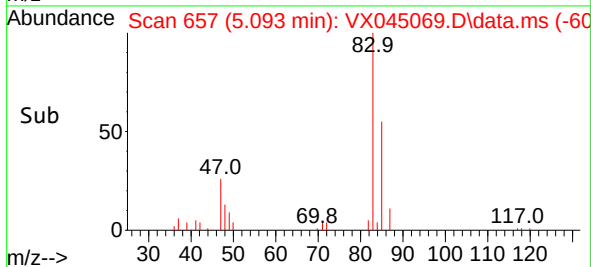
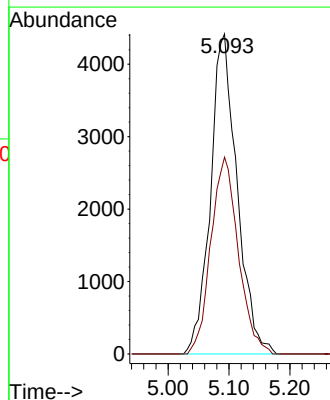
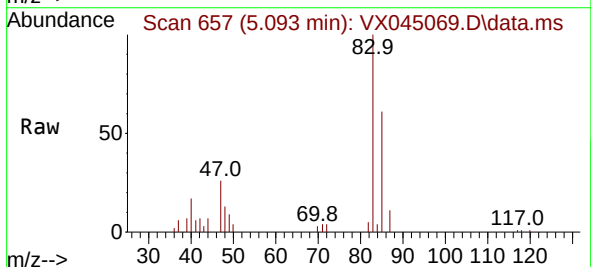
Acq: 28 Feb 2025 02:13

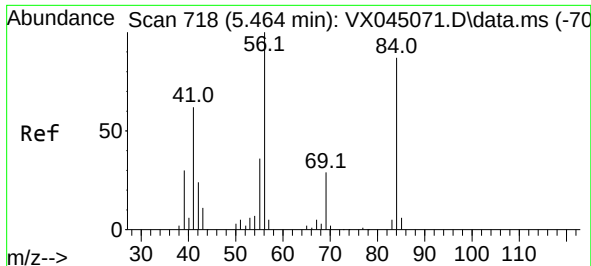
Tgt Ion: 83 Resp: 13390

Ion Ratio Lower Upper

83 100

85 61.5 51.4 77.2

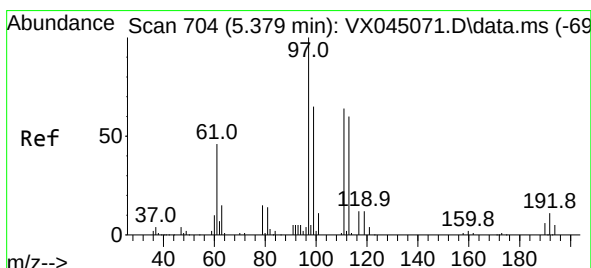
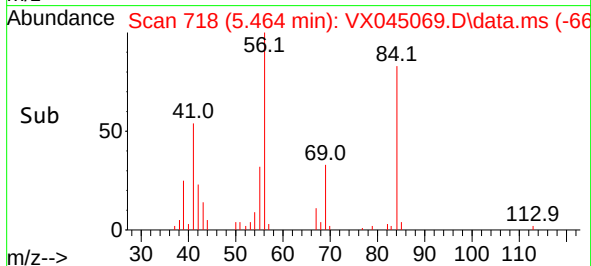
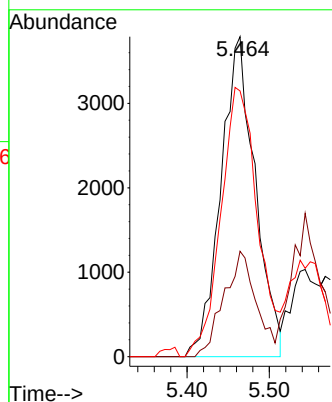
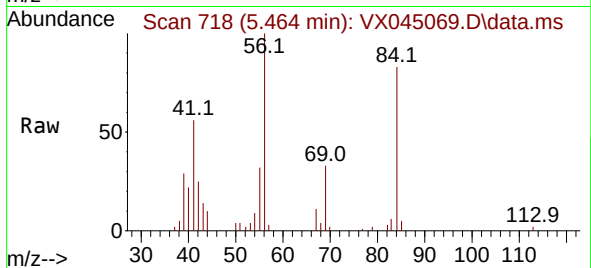




#31
Cyclohexane
Concen: 4.504 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

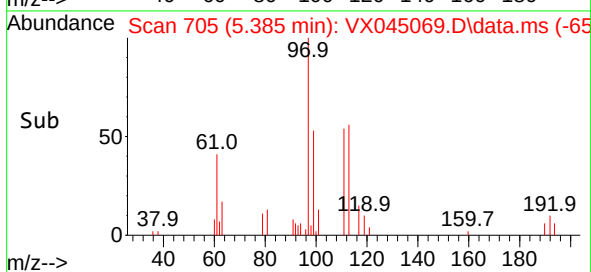
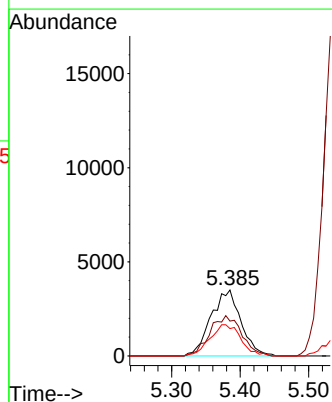
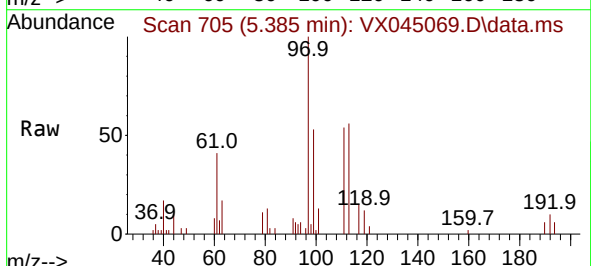
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

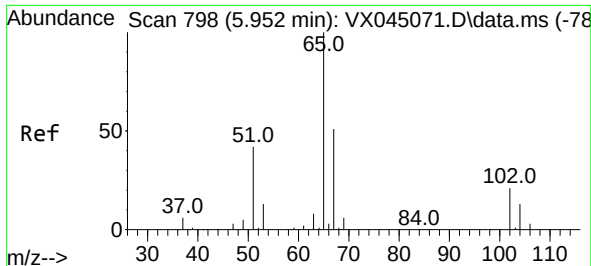
Tgt Ion:	56	Resp:	10968
Ion Ratio	Lower	Upper	
56	100		
69	33.0	23.4	35.2
84	83.1	69.4	104.2



#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# 80

Delta R.T. 0.012 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

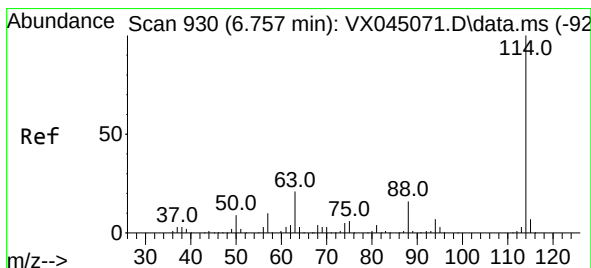
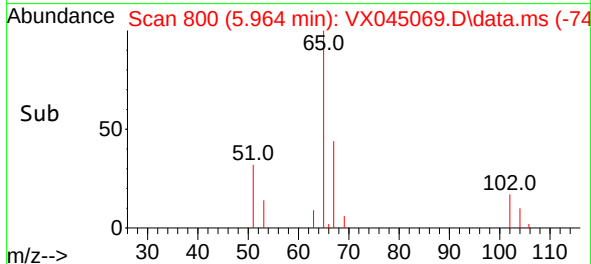
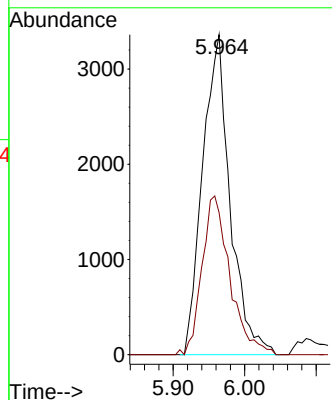
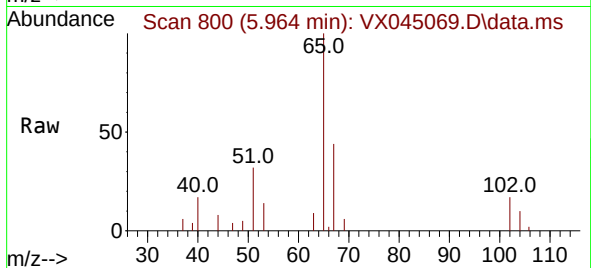
VSTDIC005

Tgt Ion: 65 Resp: 8978

Ion Ratio Lower Upper

65 100

67 50.5 0.0 106.2



#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

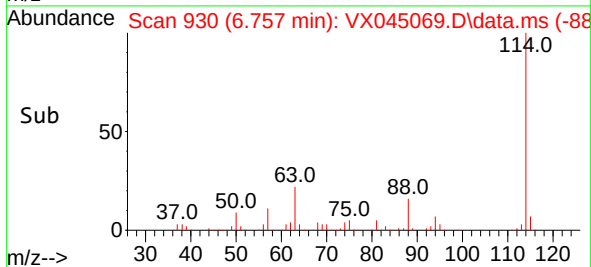
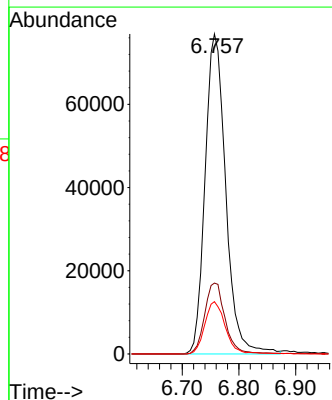
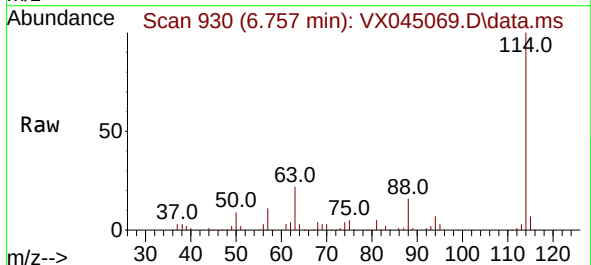
Tgt Ion: 114 Resp: 194243

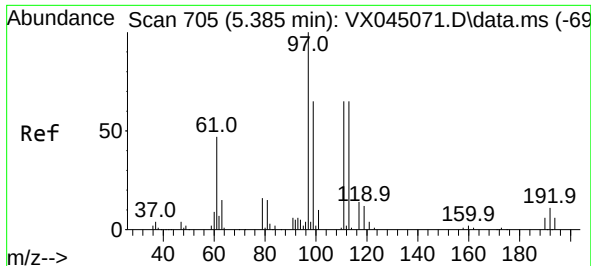
Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.8

88 16.4 0.0 32.8

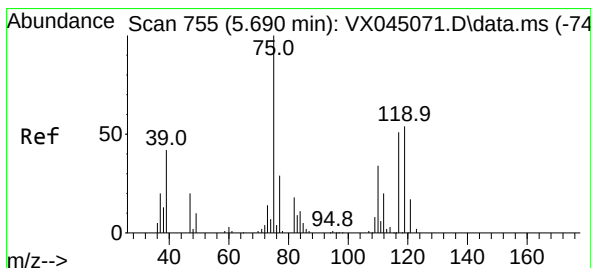
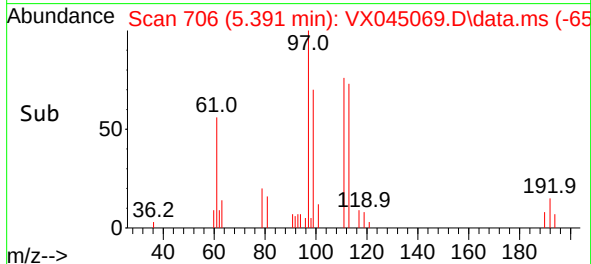
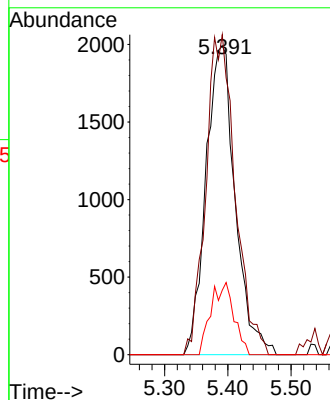
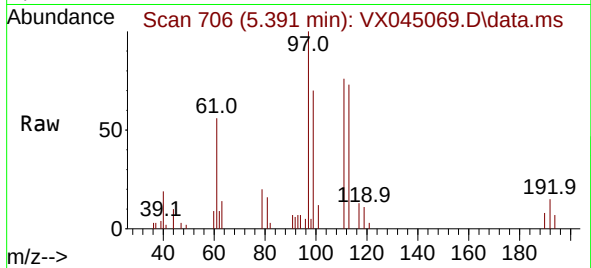




#35
Dibromofluoromethane
Concen: 5.039 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

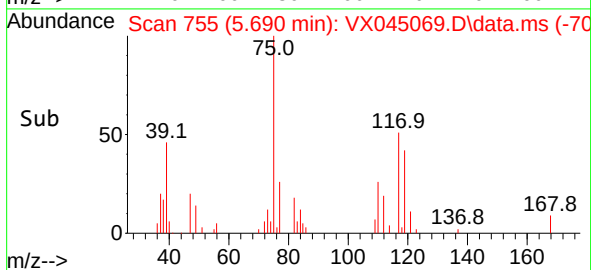
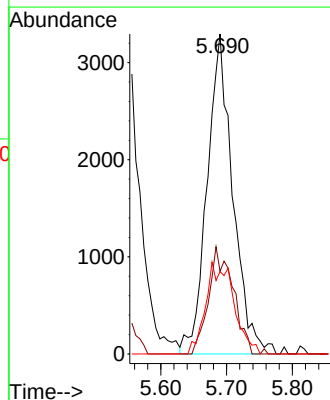
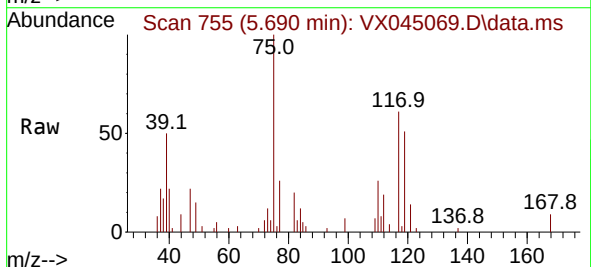
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

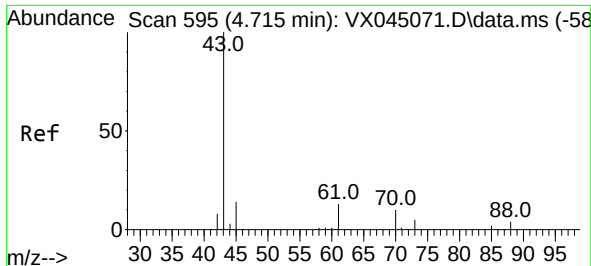
Tgt Ion:113 Resp: 6398
Ion Ratio Lower Upper
113 100
111 103.9 81.8 122.6
192 18.3 14.3 21.5



#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# 597

Delta R.T. 0.012 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

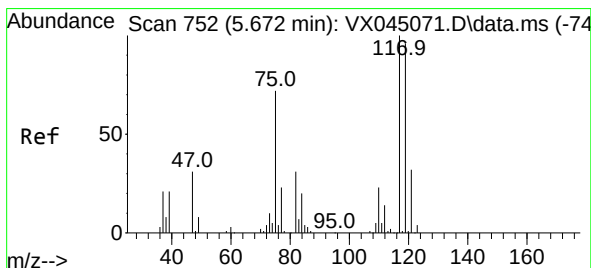
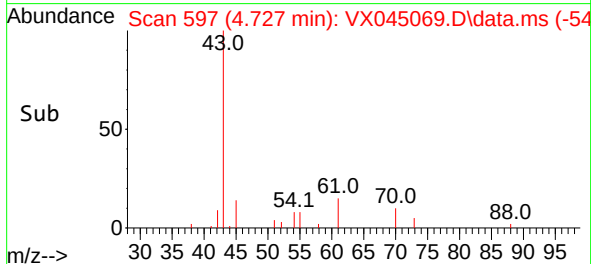
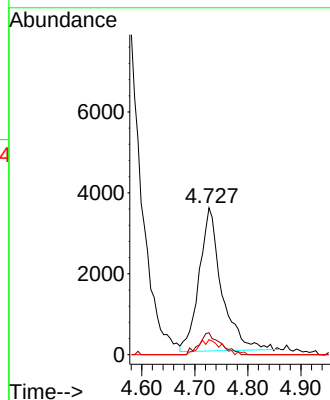
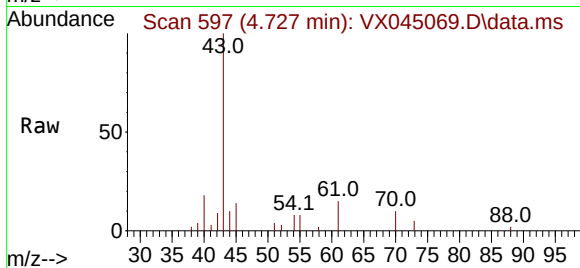
Tgt Ion: 43 Resp: 10459

Ion Ratio Lower Upper

43 100

61 14.4 10.8 16.2

70 10.2 7.7 11.5



#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

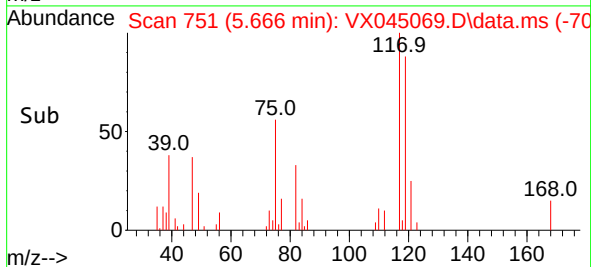
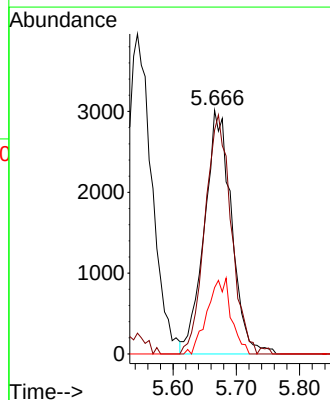
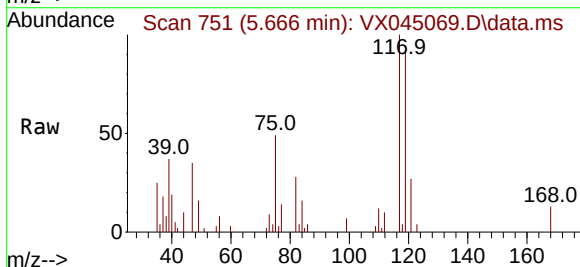
Tgt Ion: 117 Resp: 8997

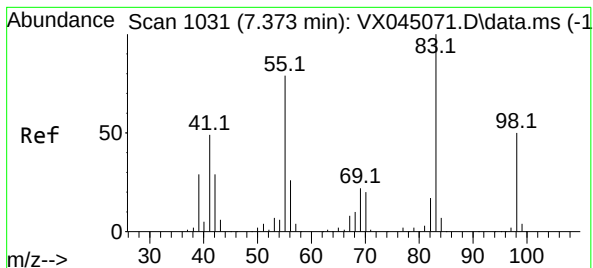
Ion Ratio Lower Upper

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# 1031

Delta R.T. 0.006 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

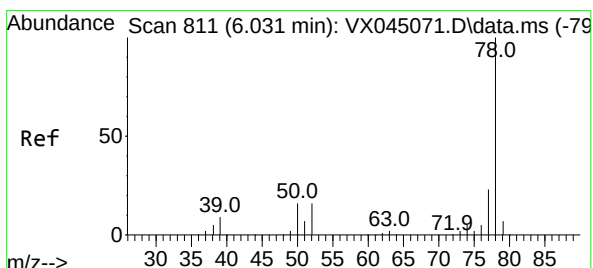
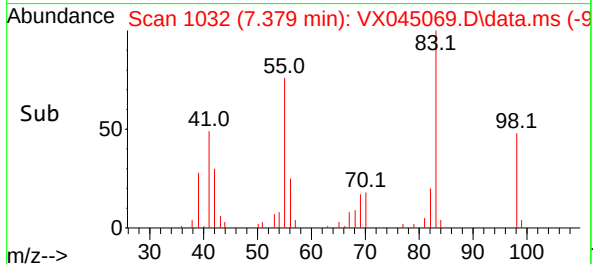
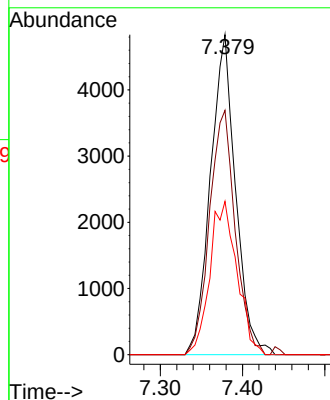
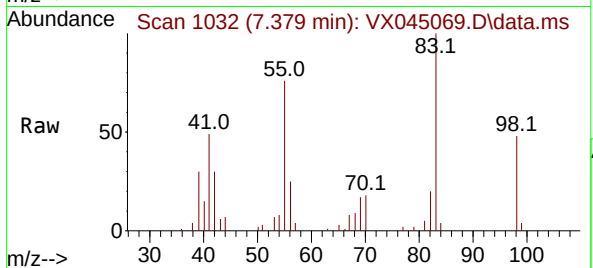
Tgt Ion: 83 Resp: 10291

Ion Ratio Lower Upper

83 100

55 76.4 63.0 94.4

98 47.9 39.7 59.5



#40

Benzene

Concen: 4.966 ug/l

RT: 6.037 min Scan# 812

Delta R.T. 0.006 min

Lab File: VX045069.D

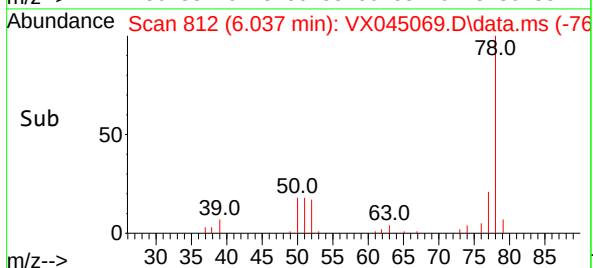
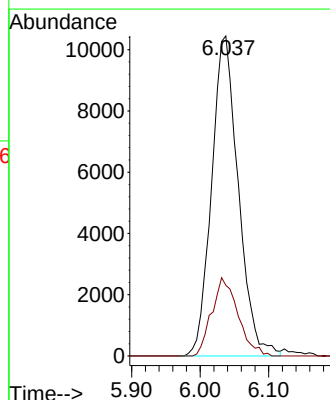
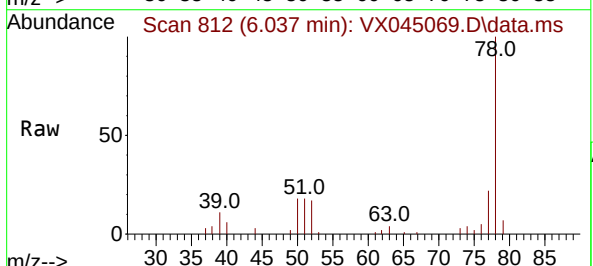
Acq: 28 Feb 2025 02:13

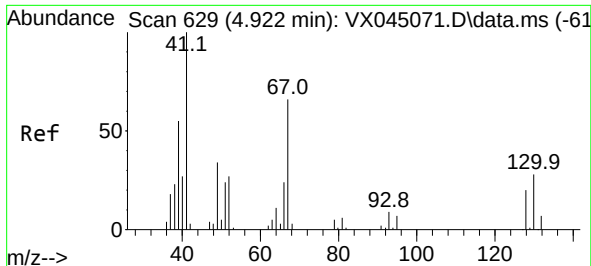
Tgt Ion: 78 Resp: 28339

Ion Ratio Lower Upper

78 100

77 22.1 18.8 28.2

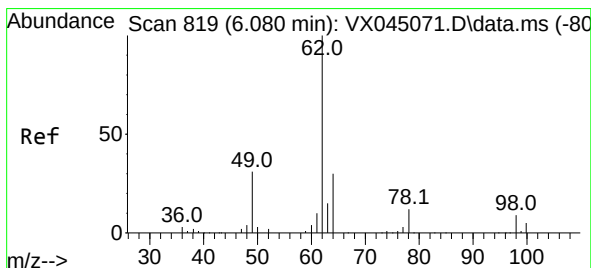
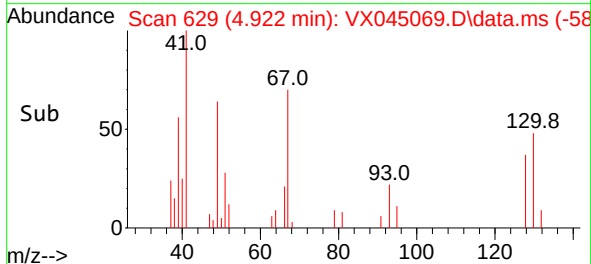
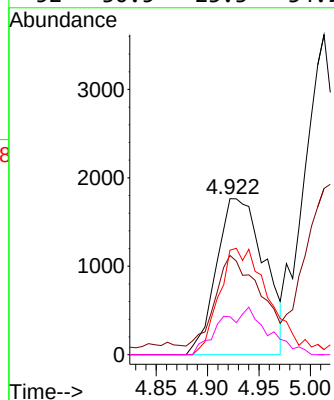
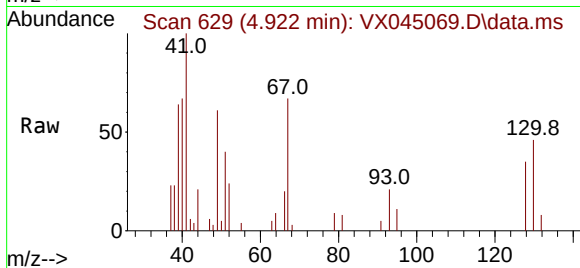




#41
Methacrylonitrile
Concen: 5.136 ug/l
RT: 4.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

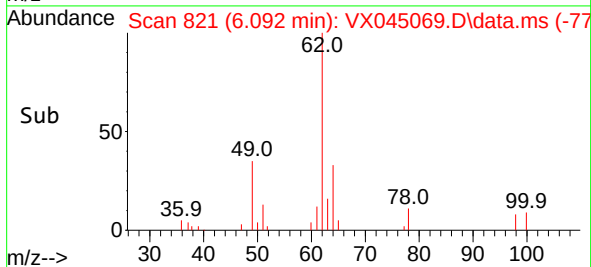
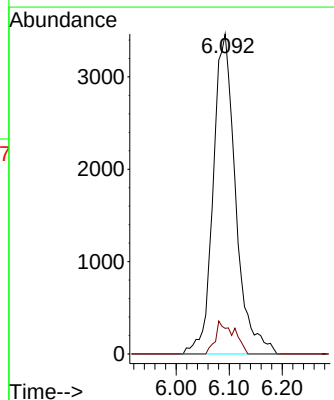
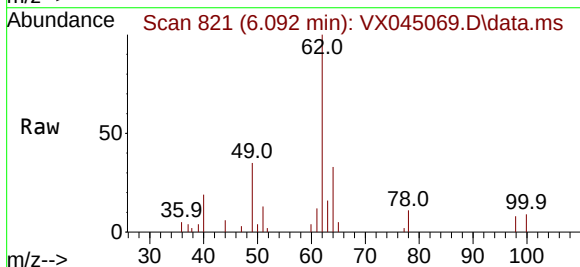
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

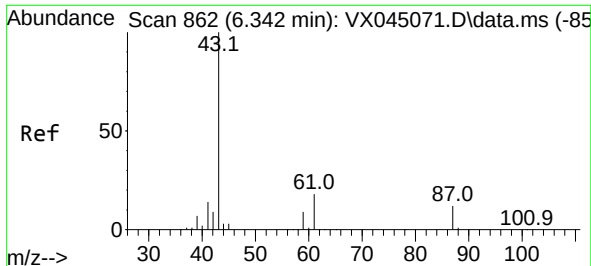
Tgt Ion:	41	Resp:	5700
Ion	Ratio	Lower	Upper
41	100		
39	53.3	44.6	67.0
67	73.4	53.9	80.9
52	30.5	23.3	34.9



#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

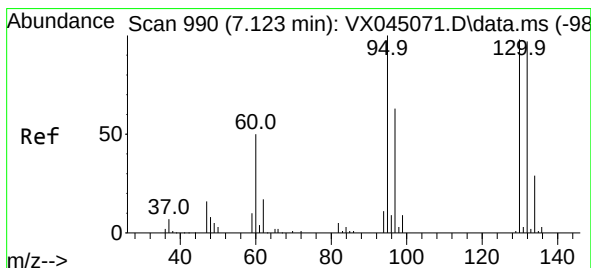
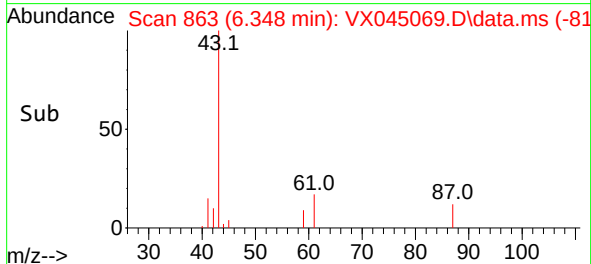
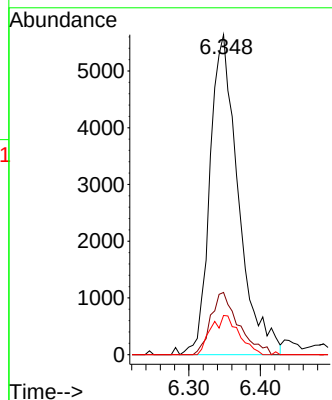
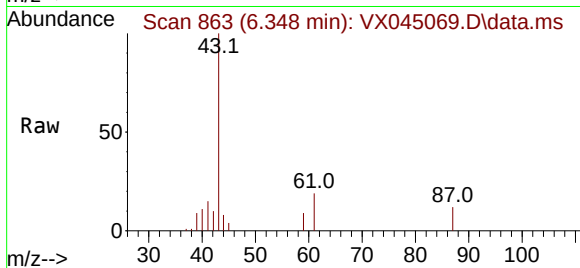




#43
Isopropyl Acetate
Concen: 4.700 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

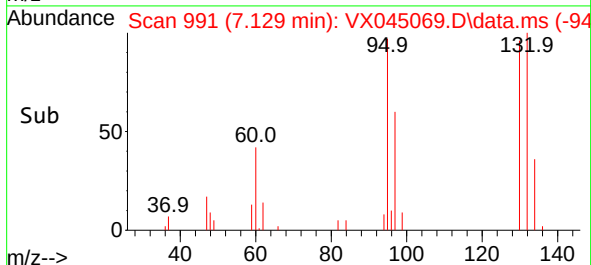
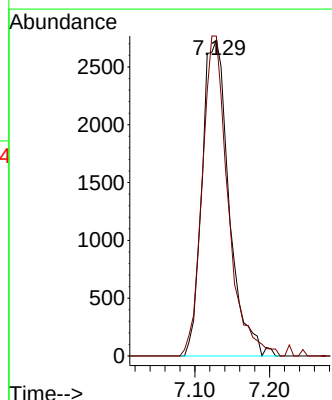
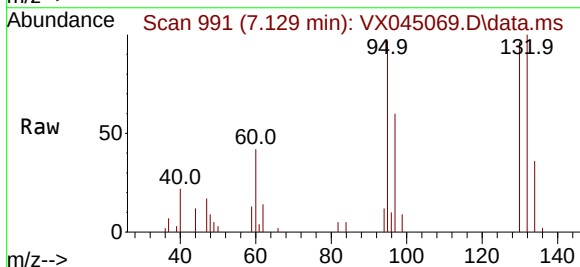
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

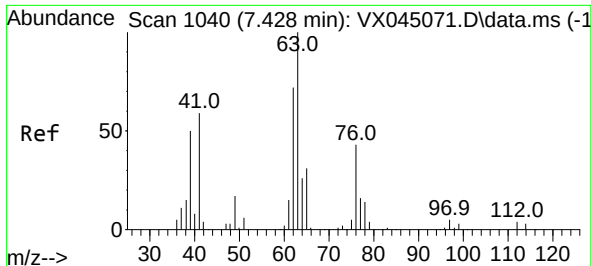
Tgt Ion: 43 Resp: 15543
Ion Ratio Lower Upper
43 100
61 19.0 14.9 22.3
87 12.1 9.4 14.2



#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 :

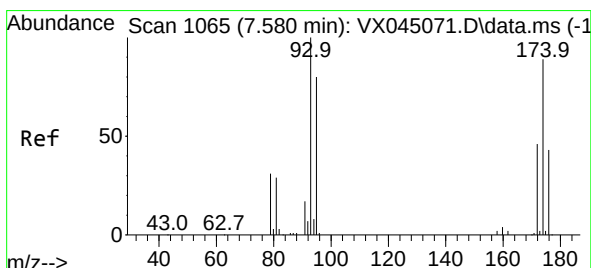
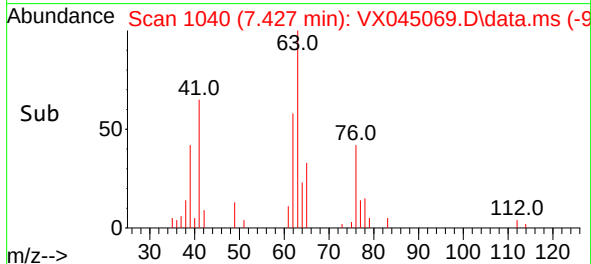
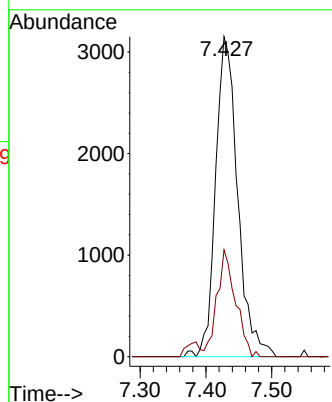
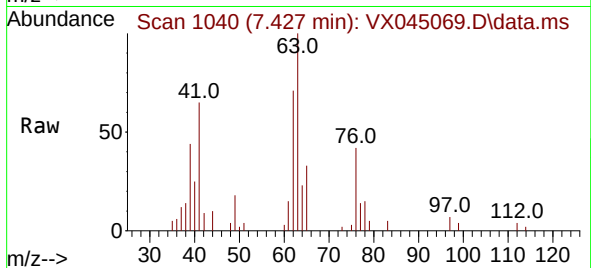
VSTDIC005

Tgt Ion: 63 Resp: 7342

Ion Ratio Lower Upper

63 100

65 33.4 24.7 37.1



#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

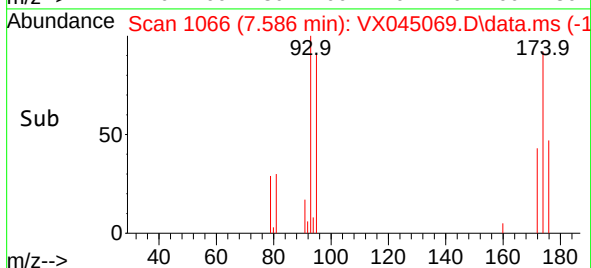
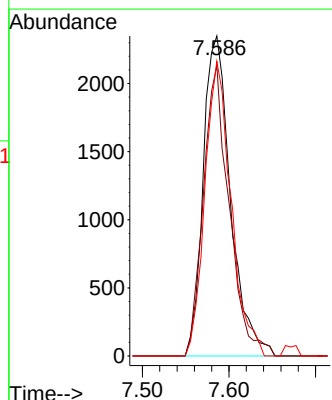
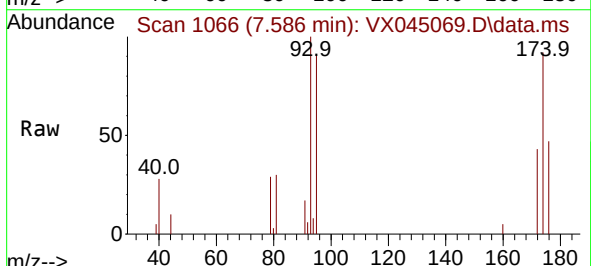
Tgt Ion: 93 Resp: 5146

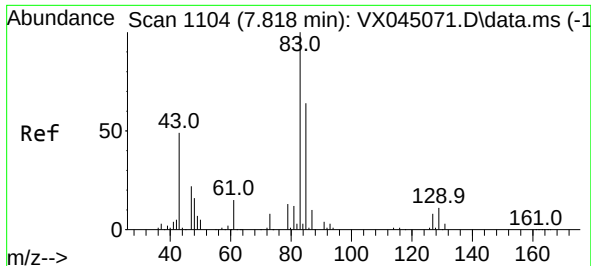
Ion Ratio Lower Upper

93 100

95 86.2 65.8 98.8

174 88.2 72.2 108.2

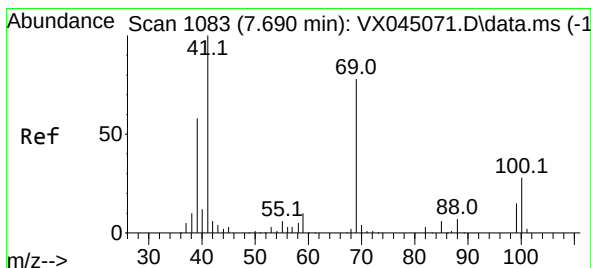
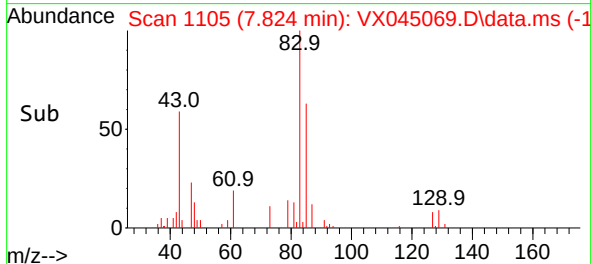
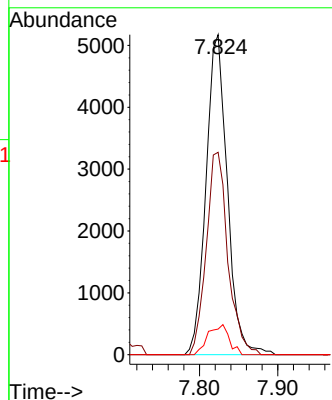
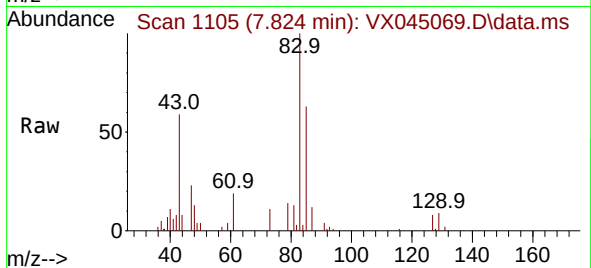




#47
Bromodichloromethane
Concen: 5.100 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

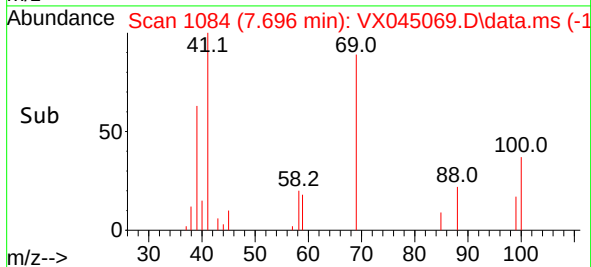
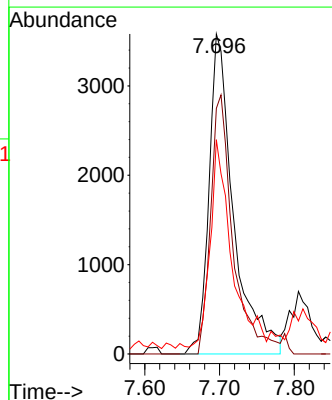
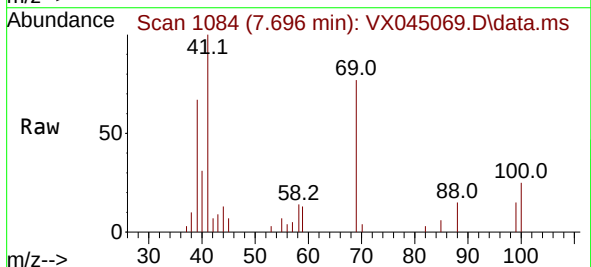
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

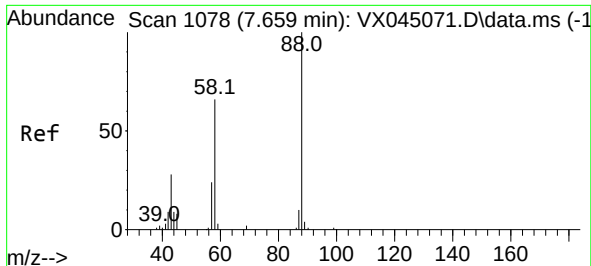
Tgt Ion: 83	Resp: 9773
Ion Ratio	Lower Upper
83 100	
85 63.3	51.1 76.7
127 8.0	6.4 9.6



#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

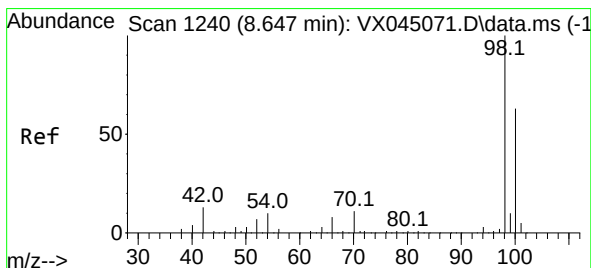
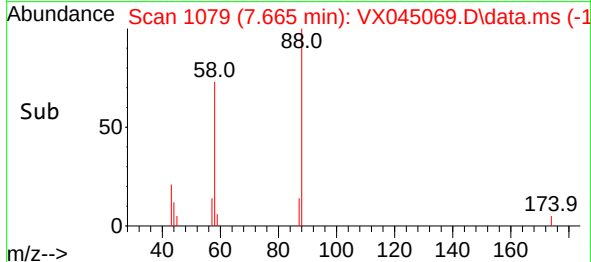
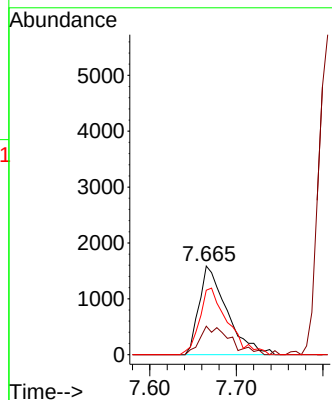
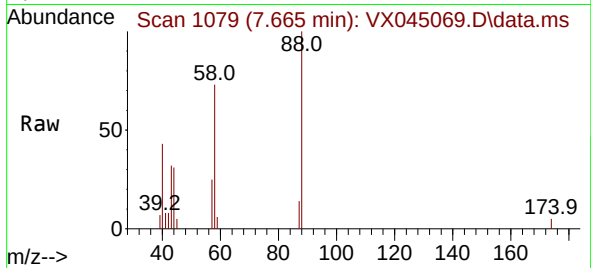




#49
1,4-Dioxane
Concen: 105.826 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

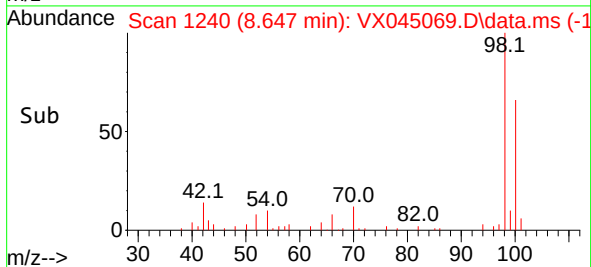
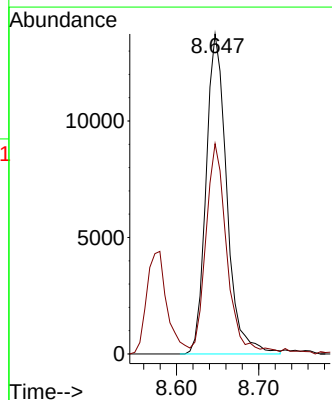
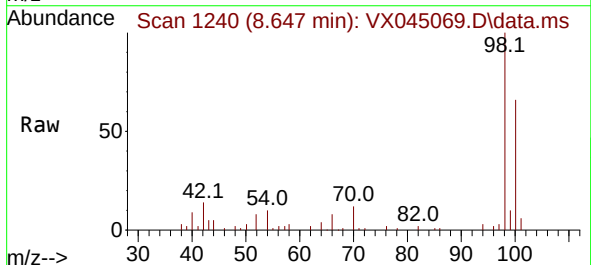
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

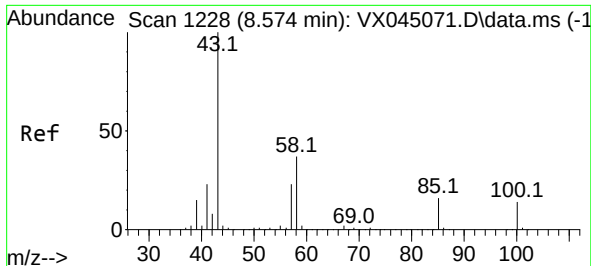
Tgt Ion:	88	Resp:	3531
Ion	Ratio	Lower	Upper
88	100		
43	35.2	28.7	43.1
58	75.9	55.8	83.8



#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

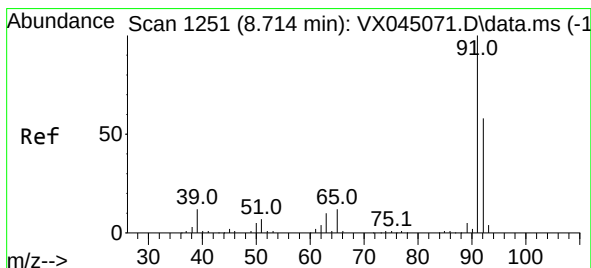
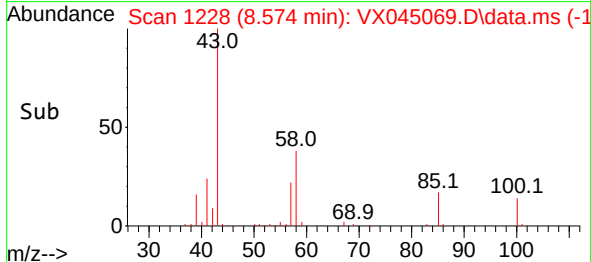
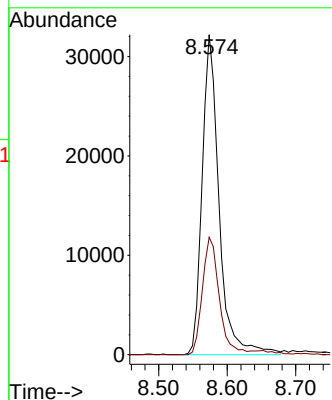
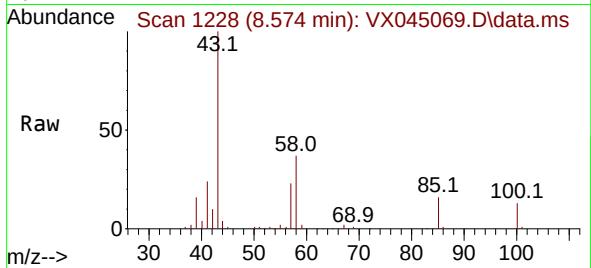




#51
4-Methyl-2-Pentanone
Concen: 27.303 ug/l
RT: 8.574 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

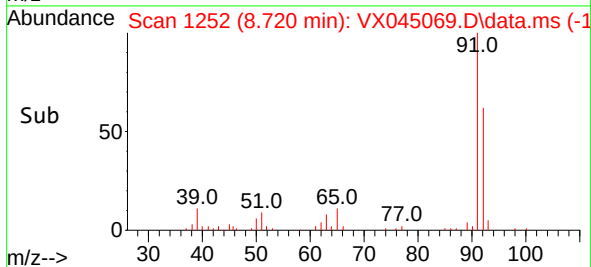
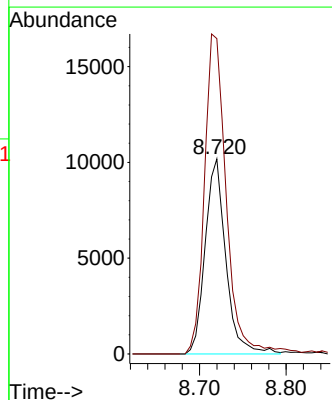
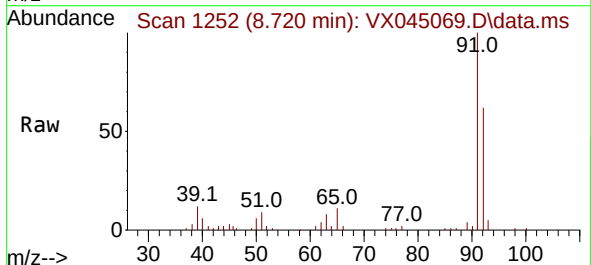
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

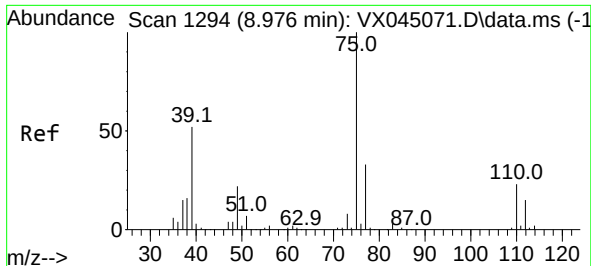
Tgt Ion: 43 Resp: 55320
Ion Ratio Lower Upper
43 100
58 36.8 29.2 43.8



#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# 1129

Delta R.T. 0.006 min

Lab File: VX045069.D

Acq: 28 Feb 2025 02:13

Instrument :

MSVOA_X

ClientSampleId :

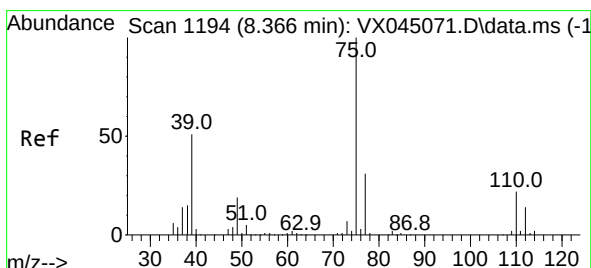
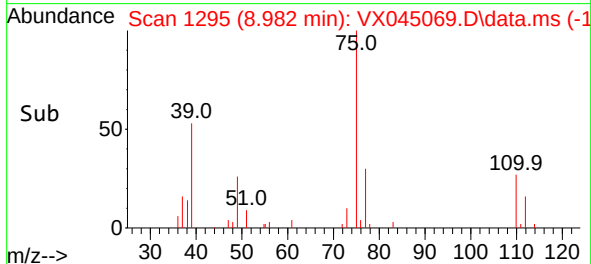
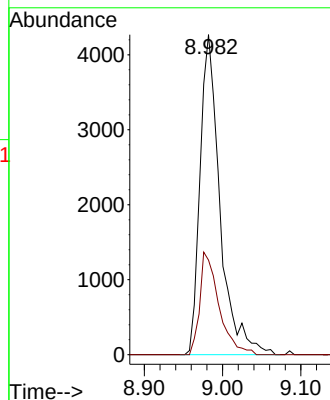
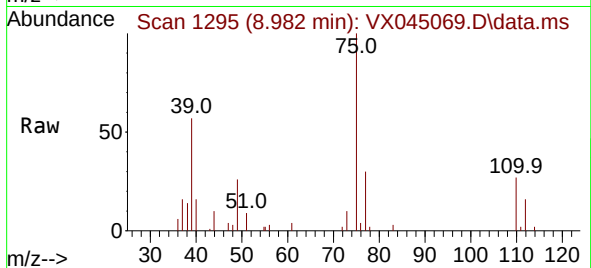
VSTDICC005

Tgt Ion: 75 Resp: 7548

Ion Ratio Lower Upper

75 100

77 29.6 26.5 39.7



#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

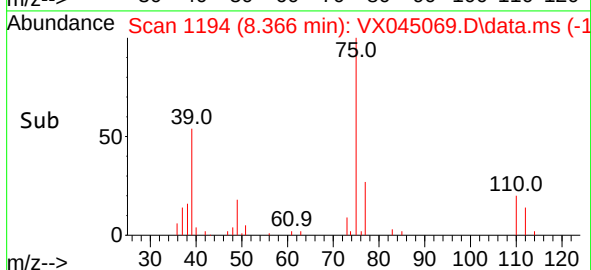
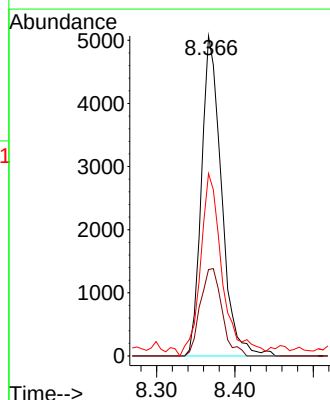
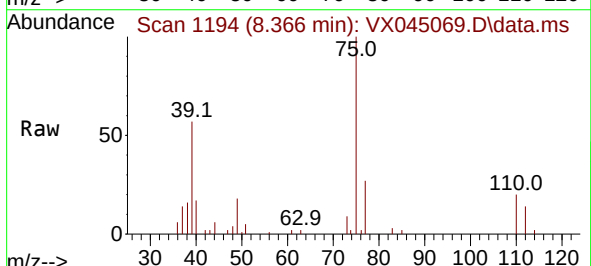
Tgt Ion: 75 Resp: 8988

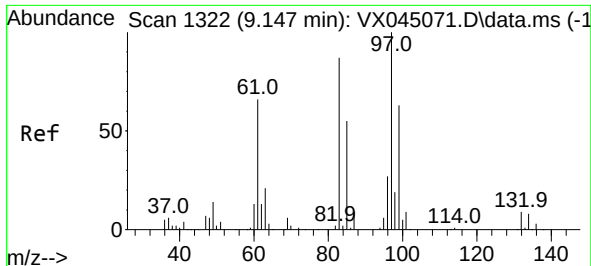
Ion Ratio Lower Upper

75 100

77 27.0 24.7 37.1

39 57.0 40.7 61.1

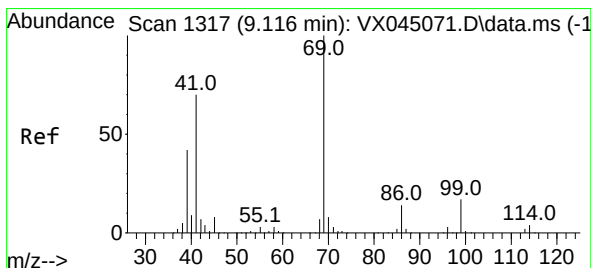
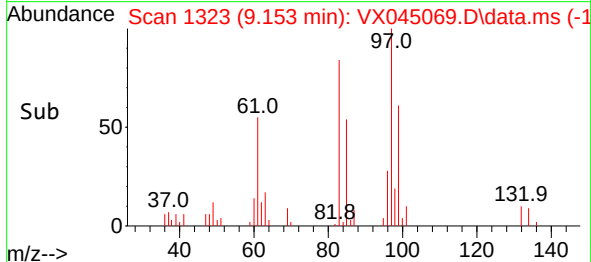
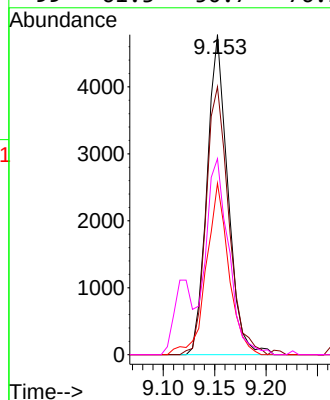
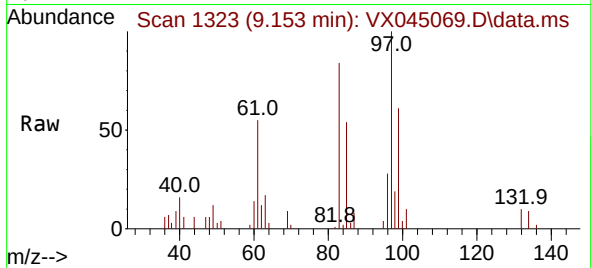




#55
1,1,2-Trichloroethane
Concen: 5.151 ug/l
RT: 9.153 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

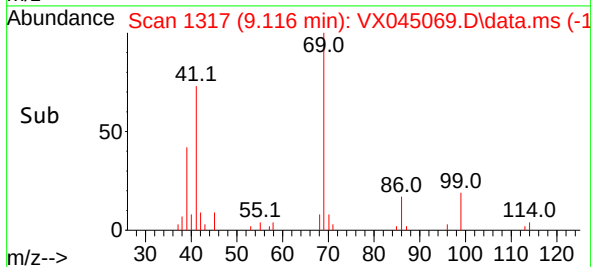
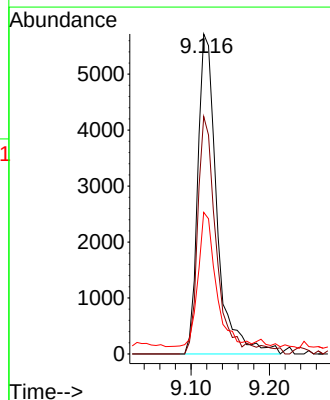
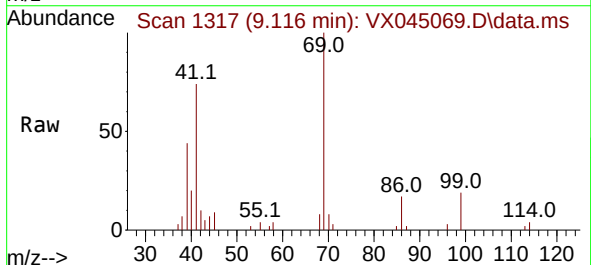
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

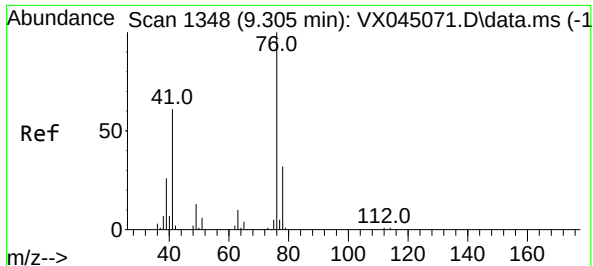
Tgt Ion:	97	Resp:	6759
Ion	Ratio	Lower	Upper
97	100		
83	83.7	69.4	104.2
85	53.6	44.1	66.1
99	61.3	50.7	76.1



#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

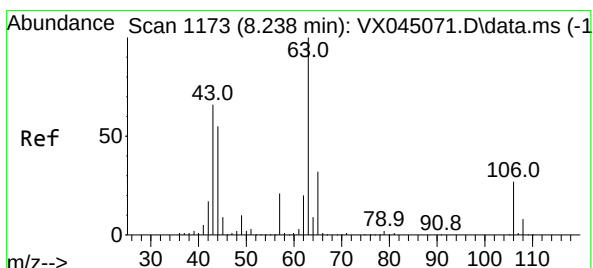
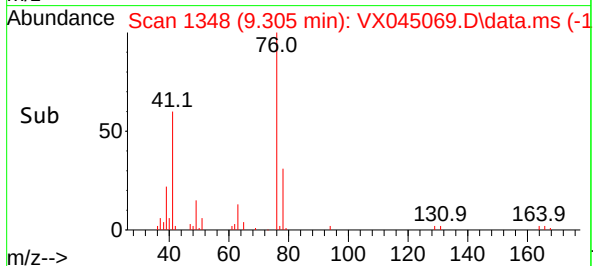
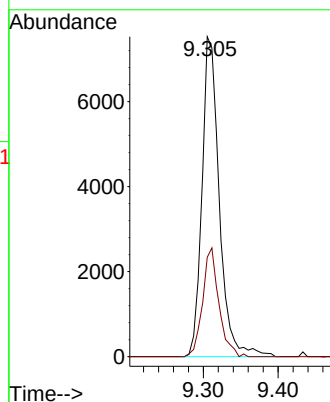
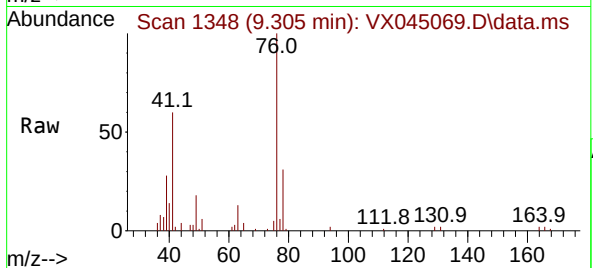




#57
1,3-Dichloropropane
Concen: 5.289 ug/l
RT: 9.305 min Scan# 11348
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

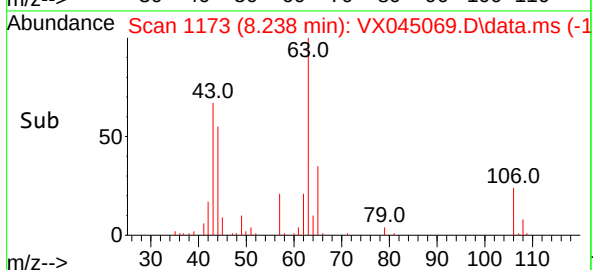
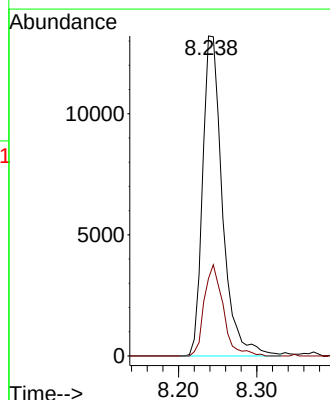
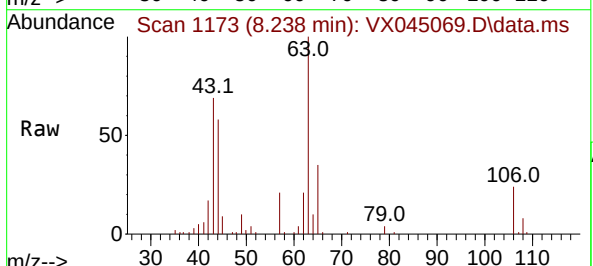
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

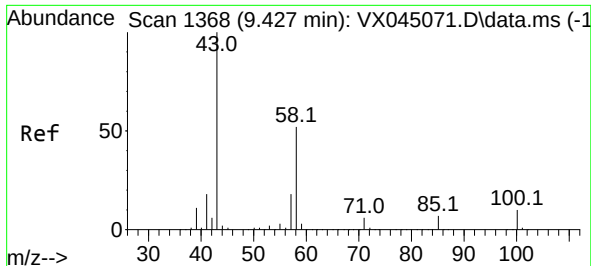
Tgt Ion: 76 Resp: 12106
Ion Ratio Lower Upper
76 100
78 31.9 25.5 38.3



#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 :

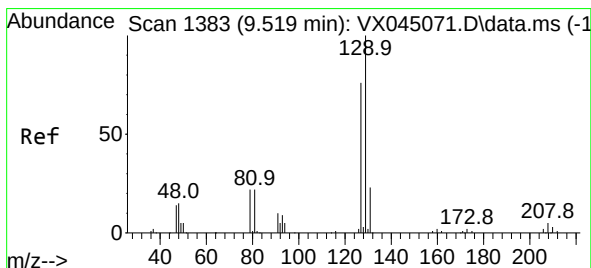
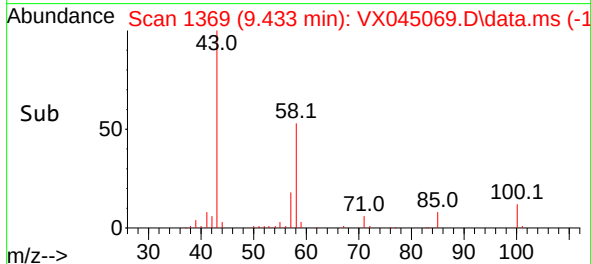
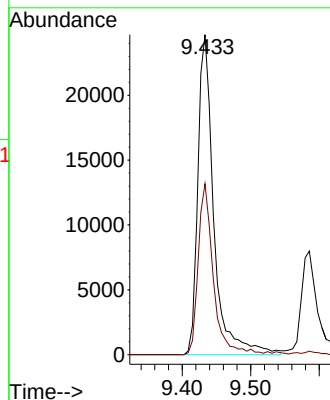
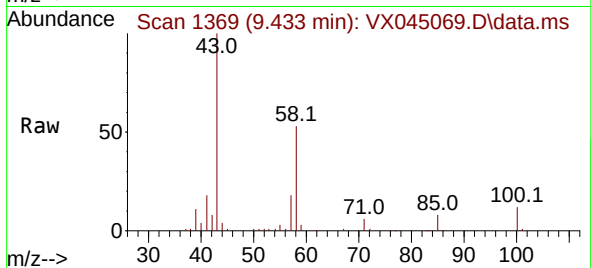
VSTDICC005

Tgt Ion: 43 Resp: 39994

Ion Ratio Lower Upper

43 100

58 50.7 25.9 77.6



#60

Dibromochloromethane

Concen: 4.846 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX045069.D

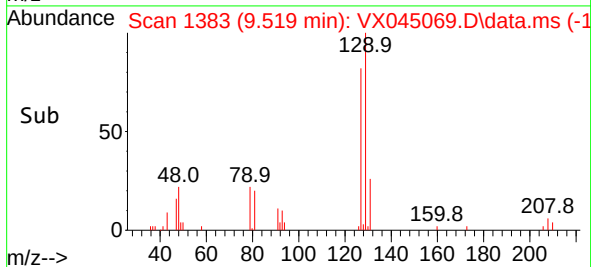
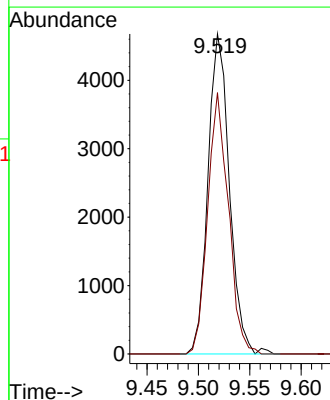
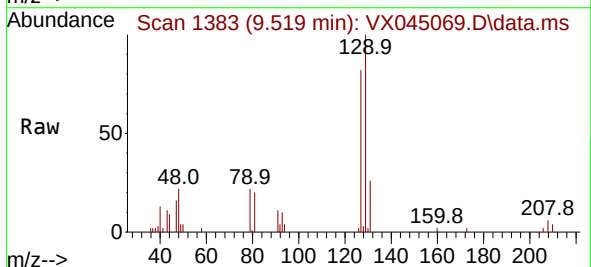
Acq: 28 Feb 2025 02:13

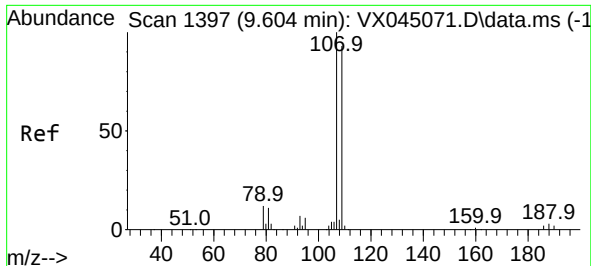
Tgt Ion: 129 Resp: 6785

Ion Ratio Lower Upper

129 100

127 79.0 38.5 115.5

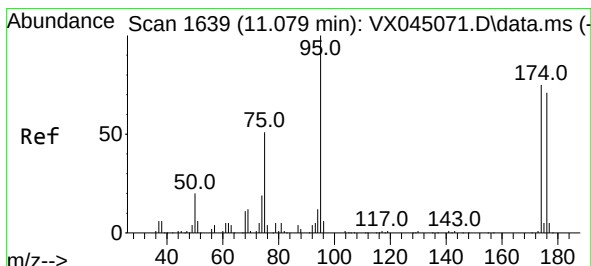
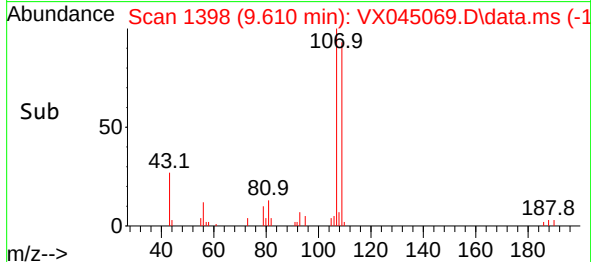
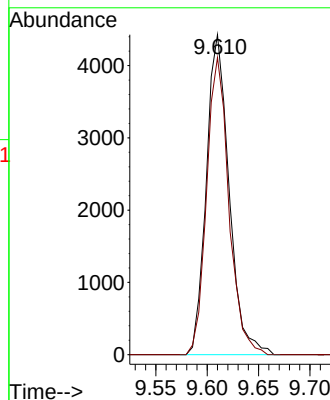
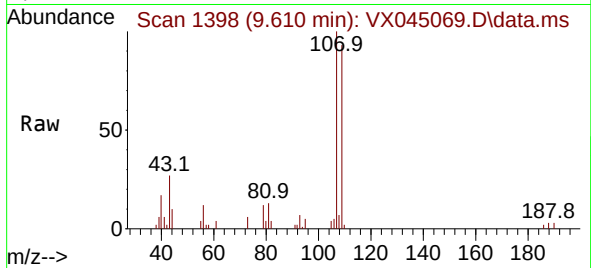




#61
1,2-Dibromoethane
Concen: 5.161 ug/l
RT: 9.610 min Scan# 1397
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

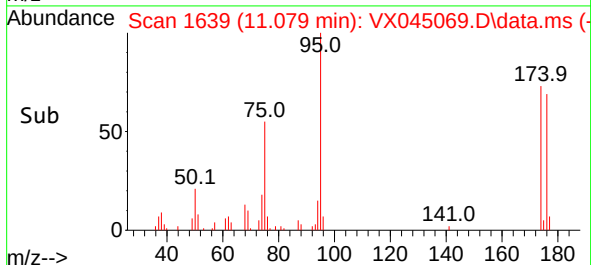
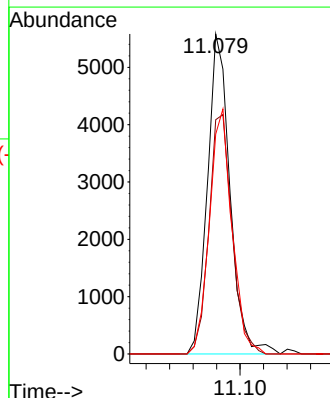
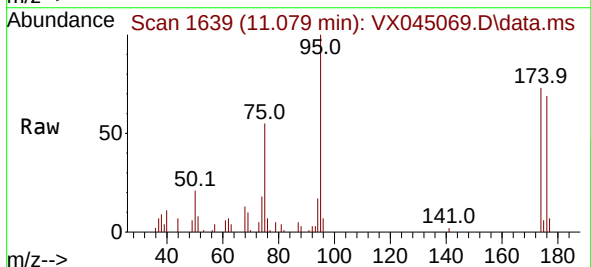
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

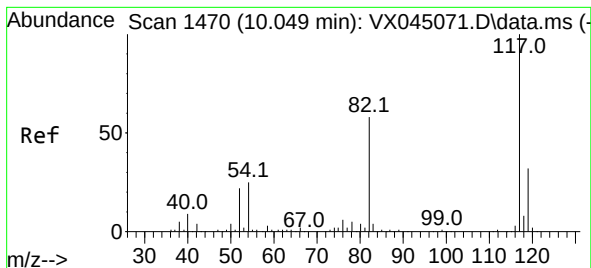
Tgt Ion:107 Resp: 6832
Ion Ratio Lower Upper
107 100
109 90.7 76.1 114.1



#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

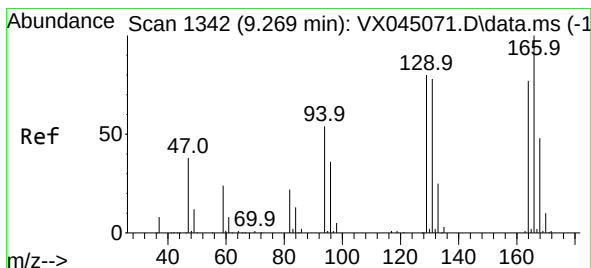
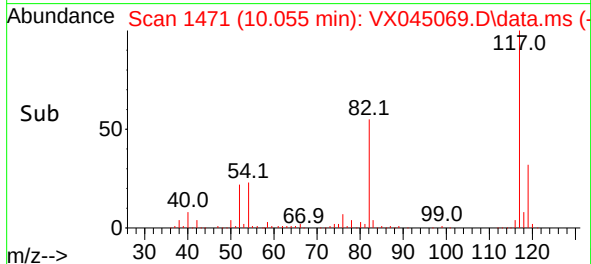
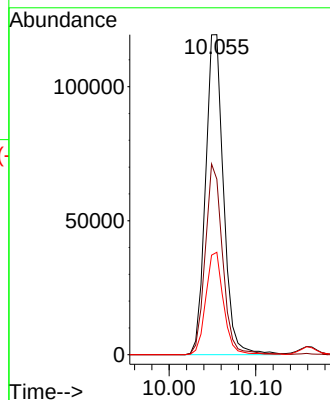
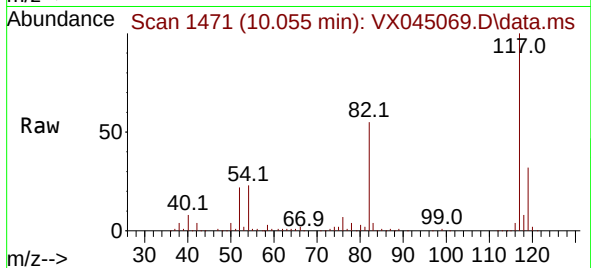




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

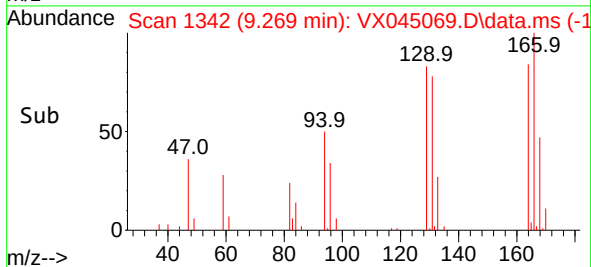
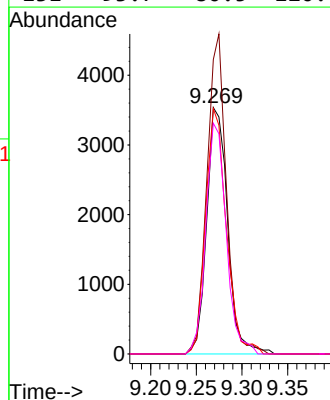
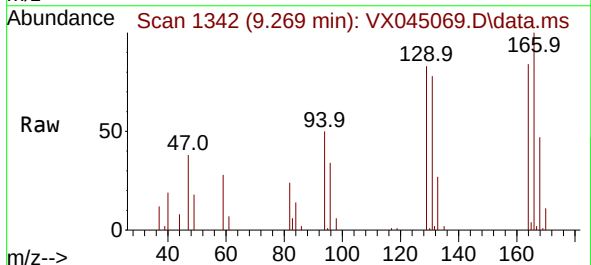
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

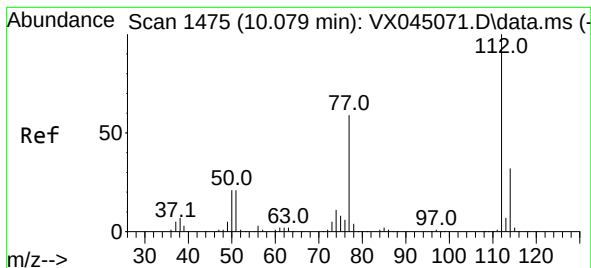
Tgt Ion:117 Resp: 172367
Ion Ratio Lower Upper
117 100
82 54.8 46.3 69.5
119 32.0 25.7 38.5



#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

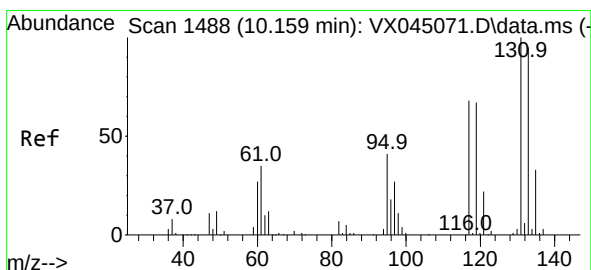
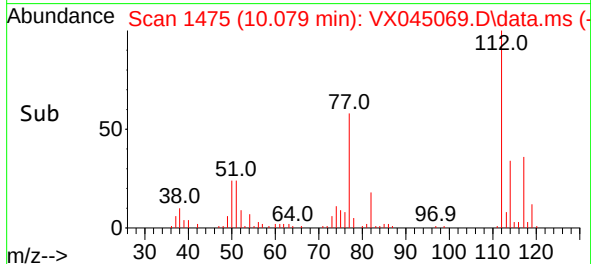
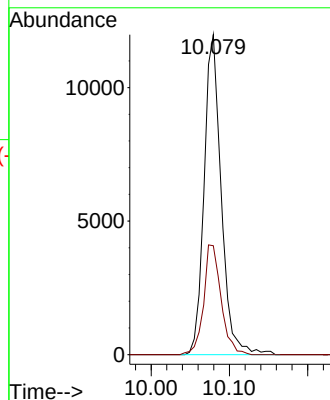
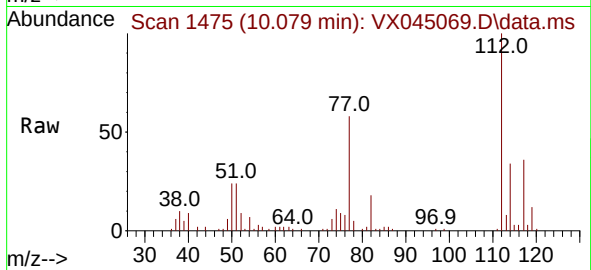




#65
Chlorobenzene
Concen: 4.908 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

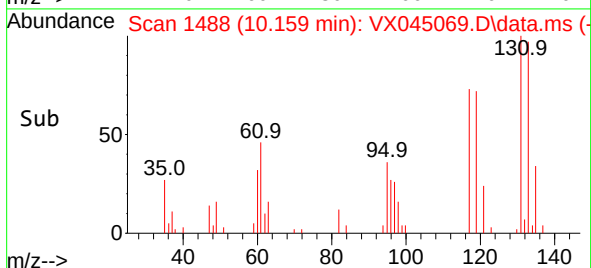
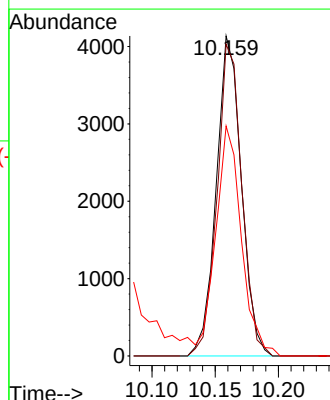
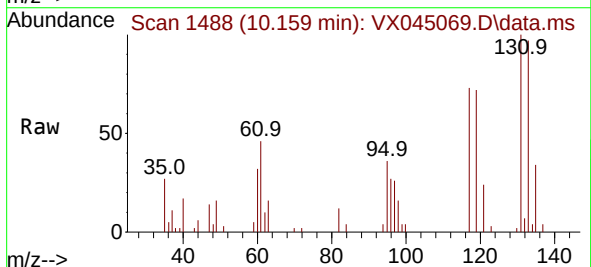
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

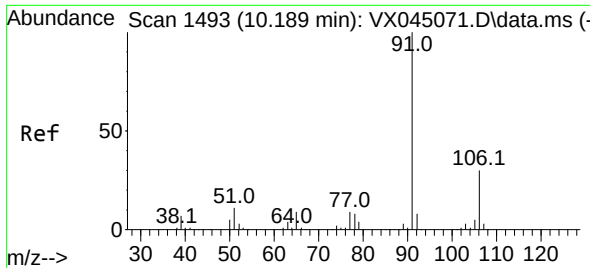
Tgt Ion:112 Resp: 18161
Ion Ratio Lower Upper
112 100
114 34.0 26.0 39.0



#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

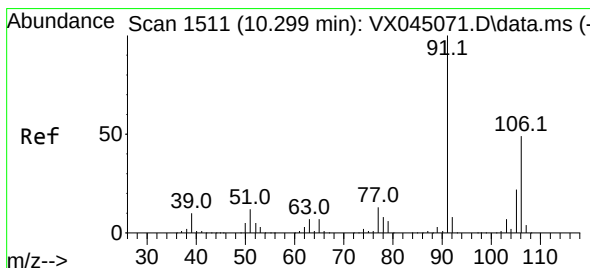
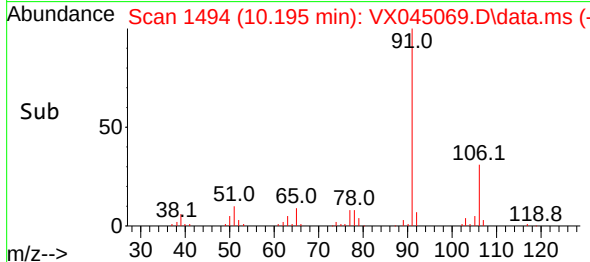
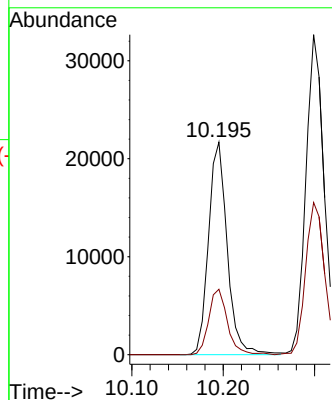
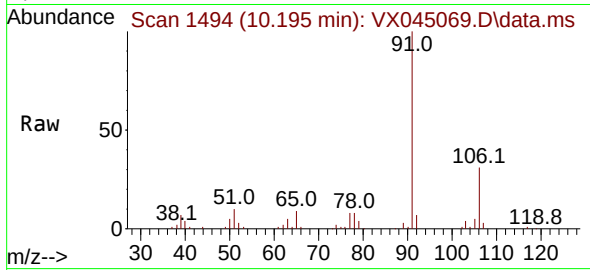




#67
Ethyl Benzene
Concen: 4.725 ug/l
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

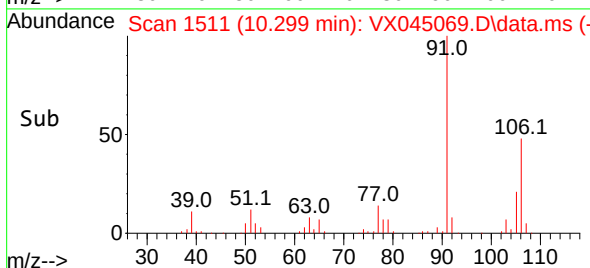
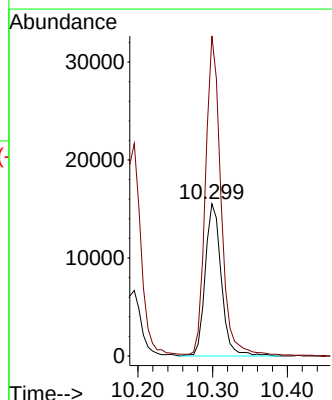
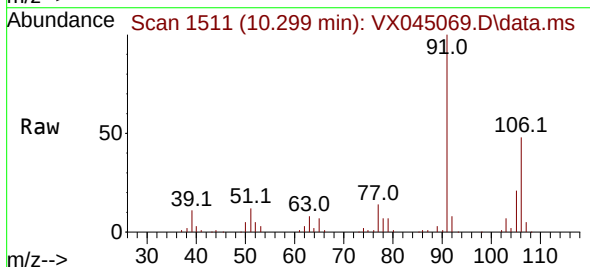
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

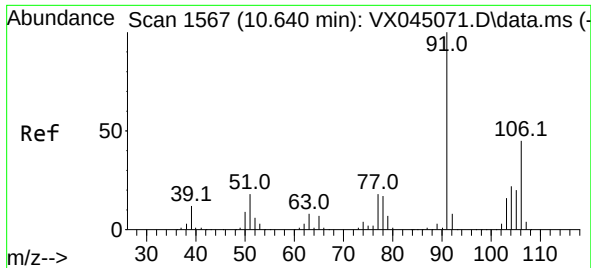
Tgt Ion: 91 Resp: 30918
Ion Ratio Lower Upper
91 100
106 30.8 23.9 35.9



#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

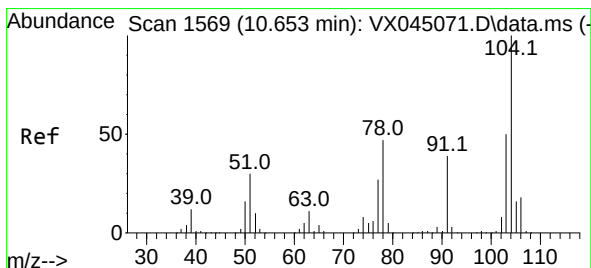
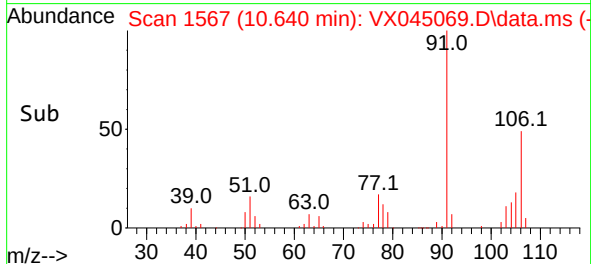
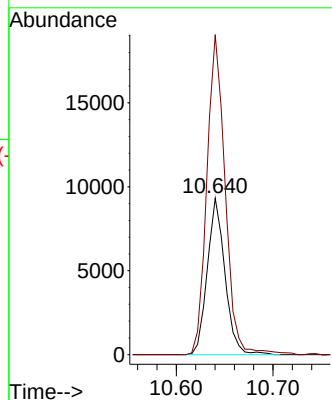
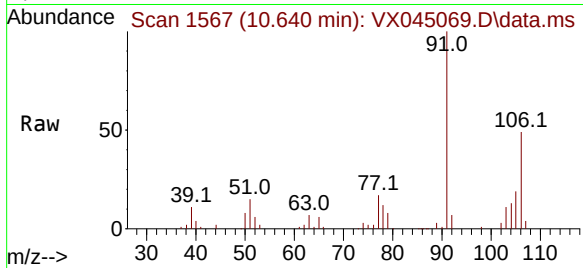




#69
o-Xylene
Concen: 4.914 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

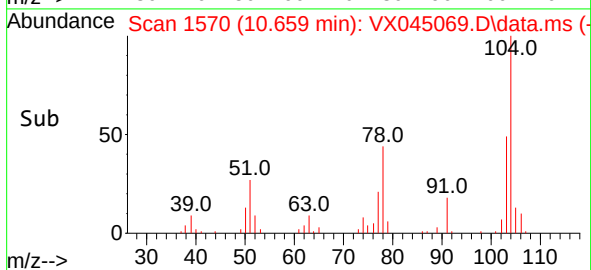
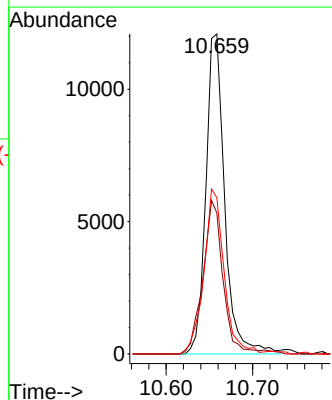
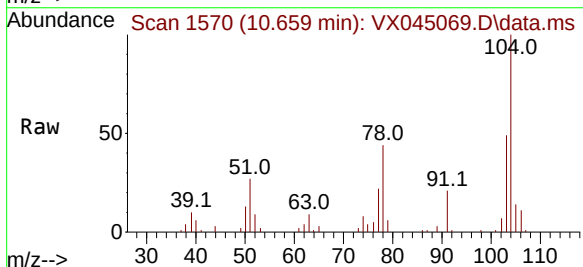
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

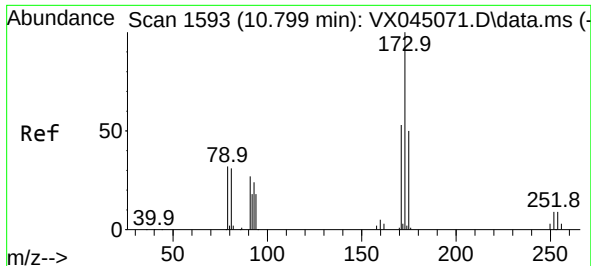
Tgt Ion:106 Resp: 11881
Ion Ratio Lower Upper
106 100
91 211.7 109.9 329.6



#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

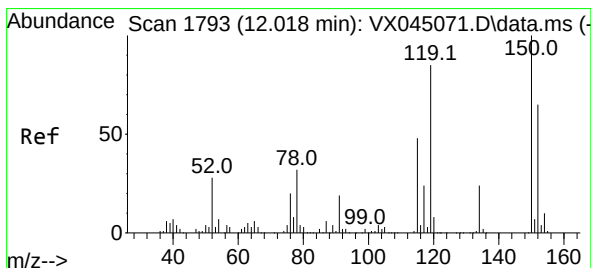
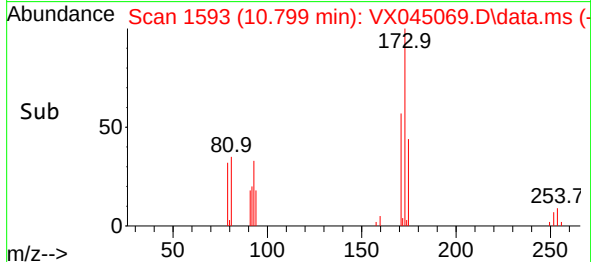
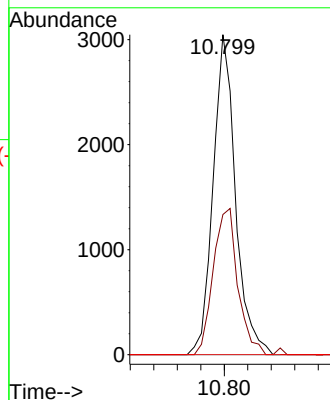
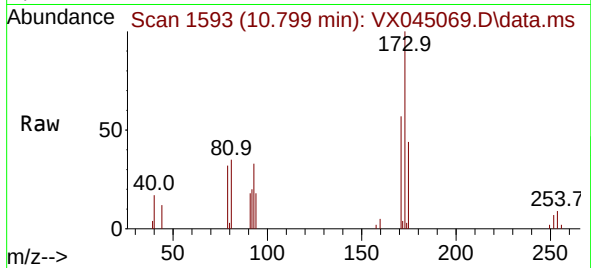




#71
Bromoform
Concen: 4.541 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

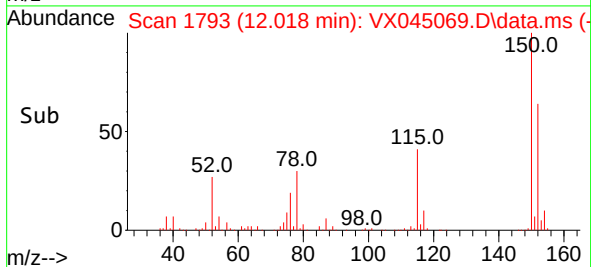
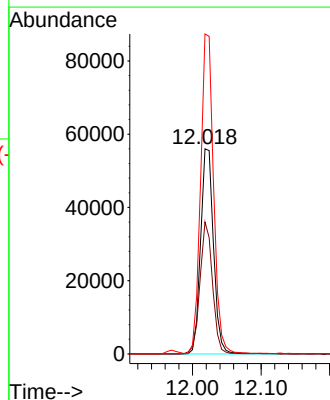
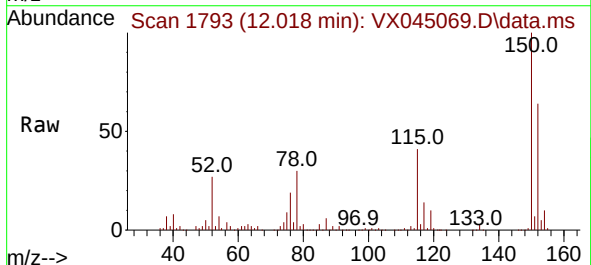
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

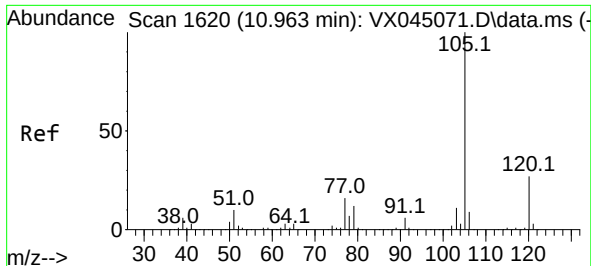
Tgt Ion:173 Resp: 4027
Ion Ratio Lower Upper
173 100
175 50.1 24.6 73.6
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: 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

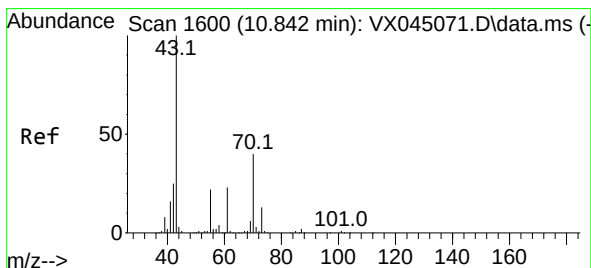
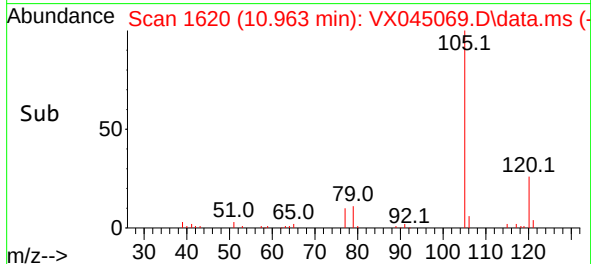
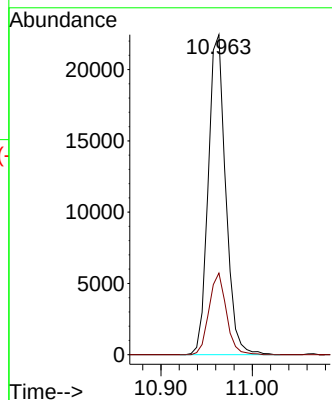
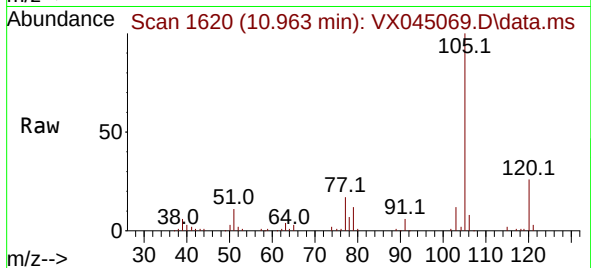




#73
Isopropylbenzene
Concen: 4.991 ug/l
RT: 10.963 min Scan# 1601
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

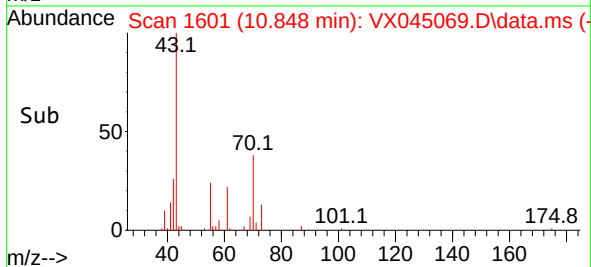
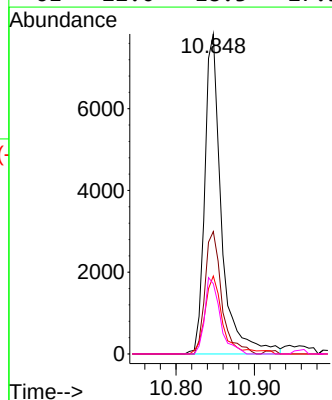
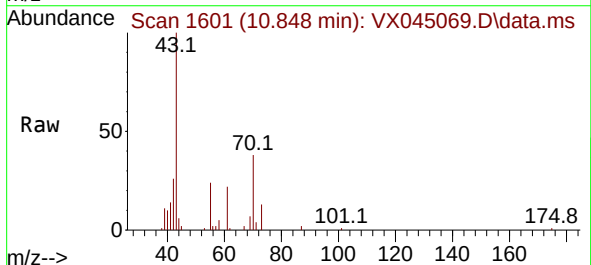
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

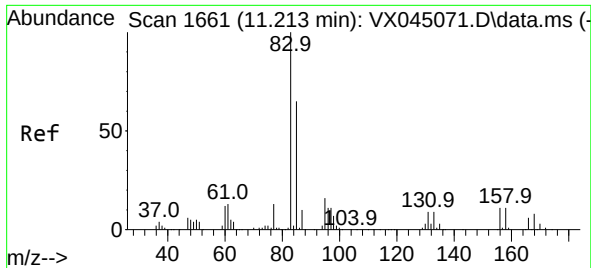
Tgt Ion:105 Resp: 29685
Ion Ratio Lower Upper
105 100
120 25.3 13.2 39.5



#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

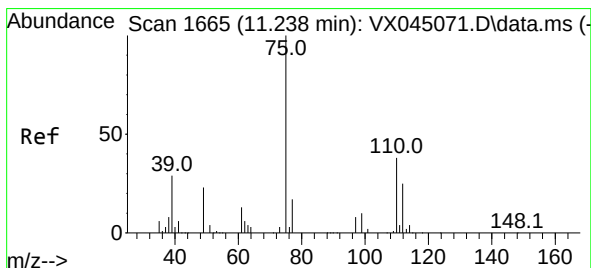
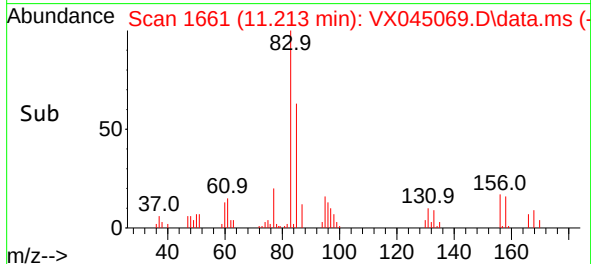
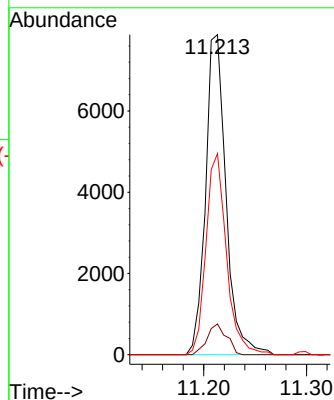
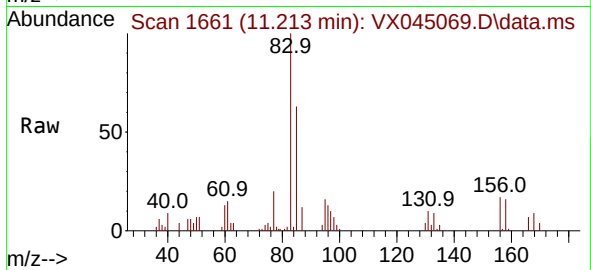




#75
 1,1,2,2-Tetrachloroethane
 Concen: 5.310 ug/l
 RT: 11.213 min Scan# 1661
 Delta R.T. -0.000 min
 Lab File: VX045069.D
 Acq: 28 Feb 2025 02:13

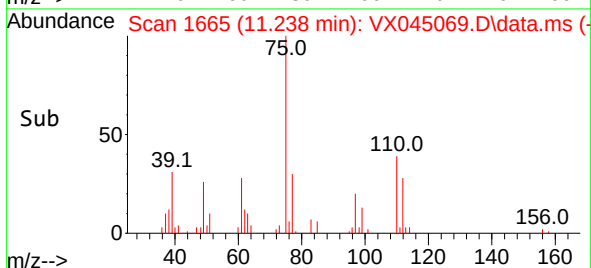
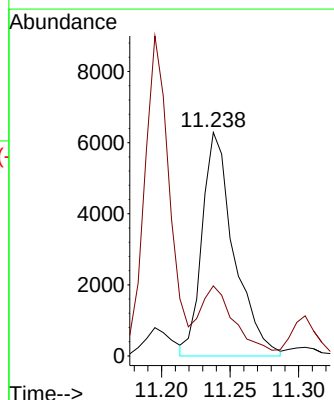
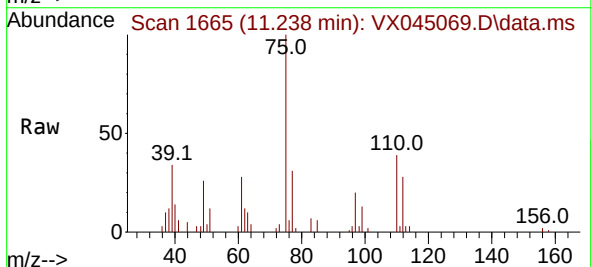
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

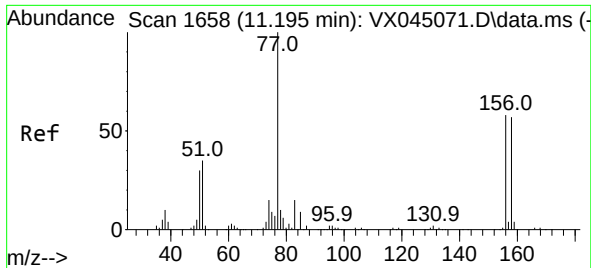
Tgt Ion: 83 Resp: 10881
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.5 13.4
 85 63.1 31.7 95.1



#76
 1,2,3-Trichloropropane
 Concen: 6.189 ug/l
 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: 10159
 Ion Ratio Lower Upper
 75 100
 77 34.6 20.7 62.1

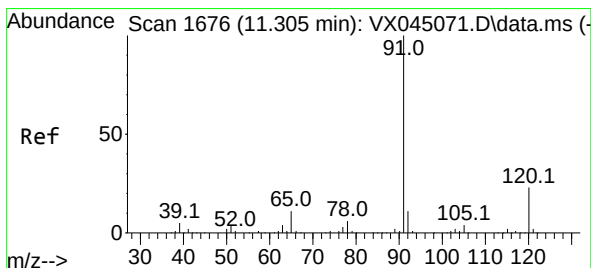
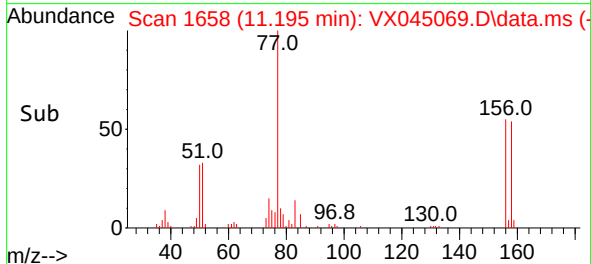
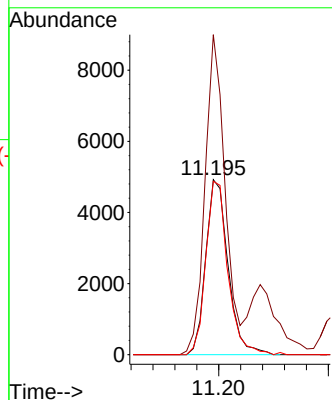
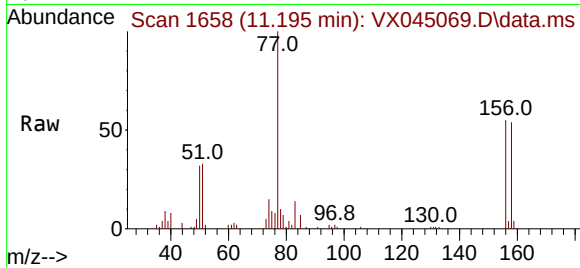




#77
Bromobenzene
Concen: 5.163 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

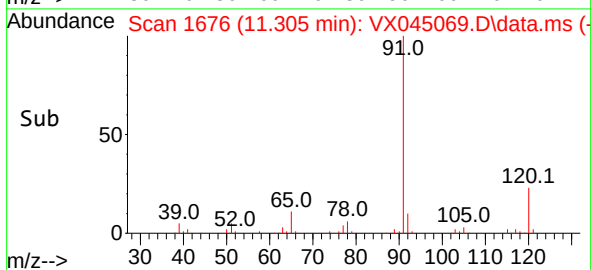
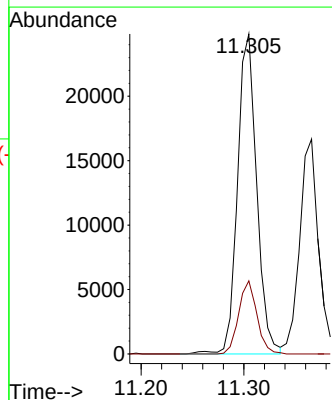
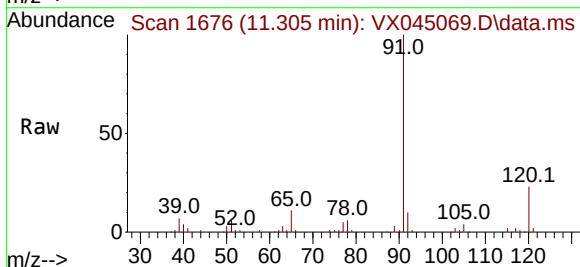
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

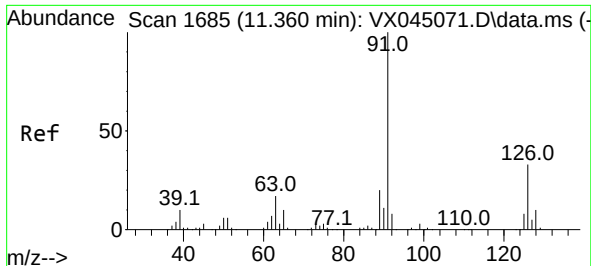
Tgt Ion:156 Resp: 6970
Ion Ratio Lower Upper
156 100
77 163.3 85.8 257.4
158 97.8 48.4 145.2



#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

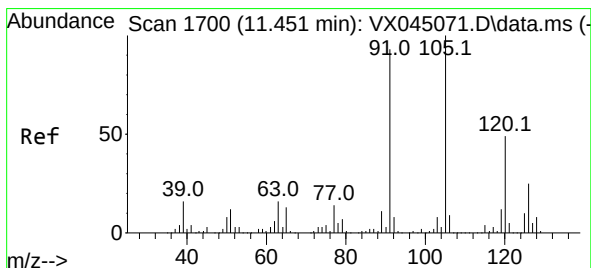
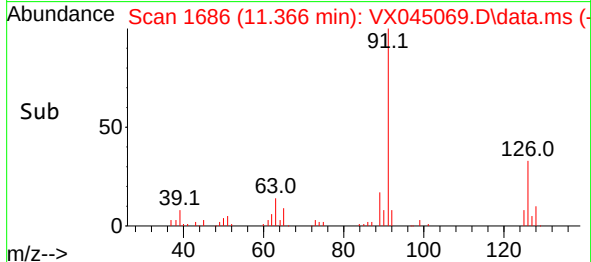
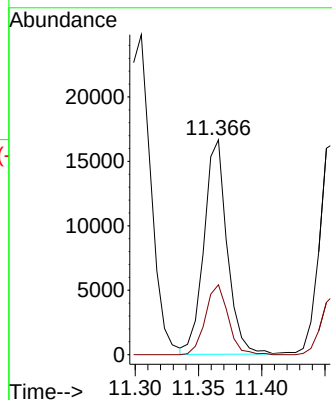
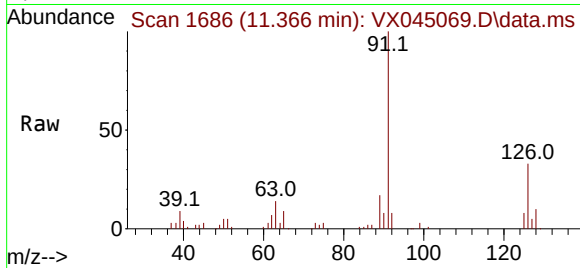




#79
2-Chlorotoluene
Concen: 5.048 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

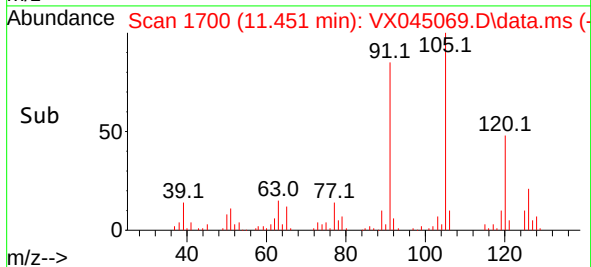
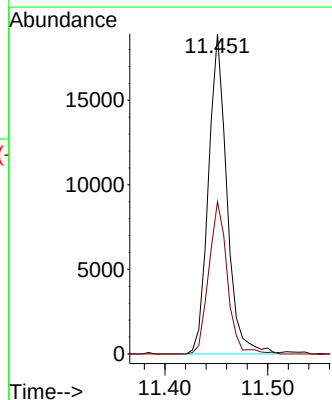
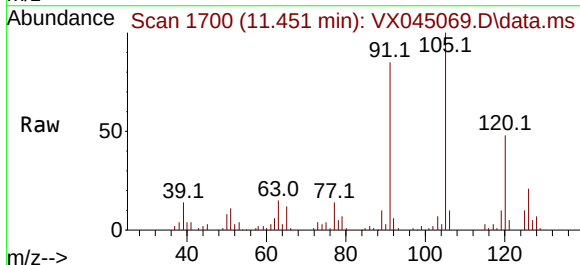
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

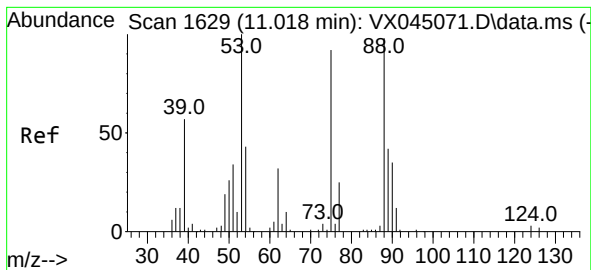
Tgt Ion: 91 Resp: 21253
Ion Ratio Lower Upper
91 100
126 32.0 16.4 49.4



#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

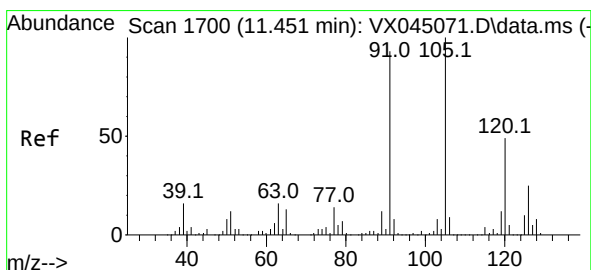
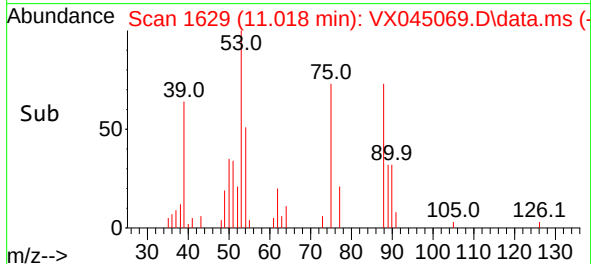
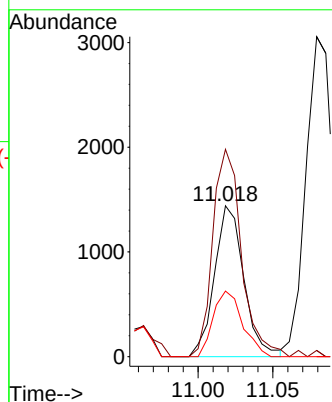
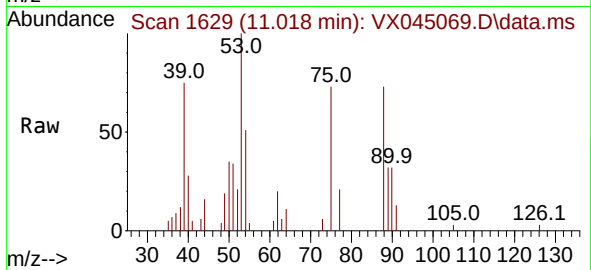




#81
trans-1,4-Dichloro-2-butene
Concen: 3.256 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

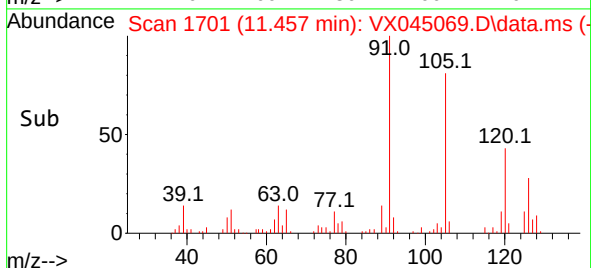
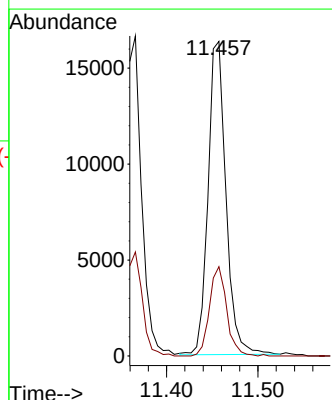
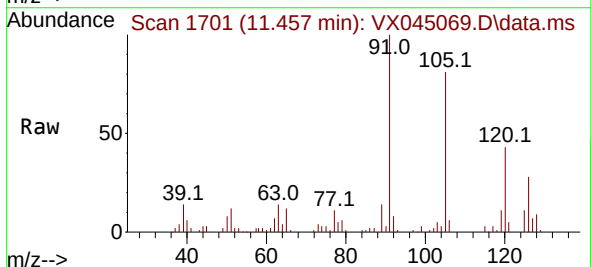
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

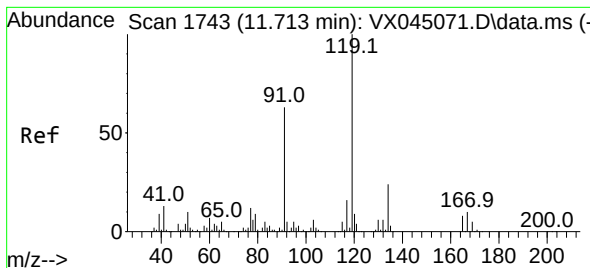
Tgt Ion: 75 Resp: 1971
Ion Ratio Lower Upper
75 100
53 134.1 88.5 132.7#
89 43.4 36.2 54.4



#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

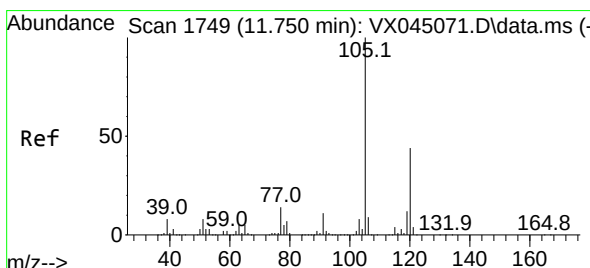
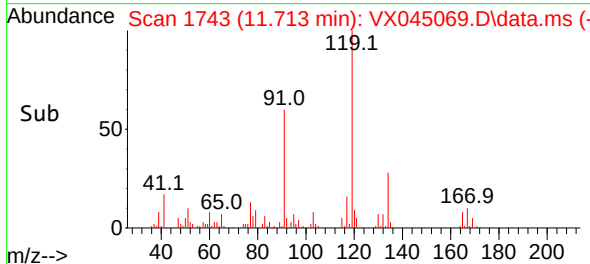
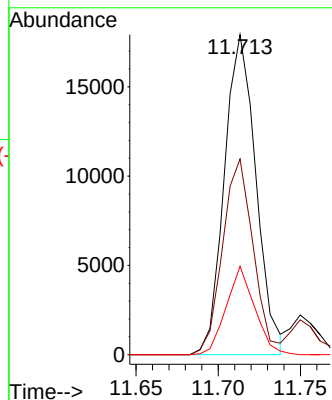
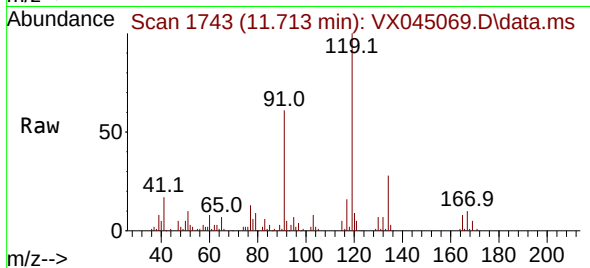
Tgt Ion:119 Resp: 23960

Ion Ratio Lower Upper

119 100

91 59.5 30.7 92.1

134 24.9 11.7 35.0



#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

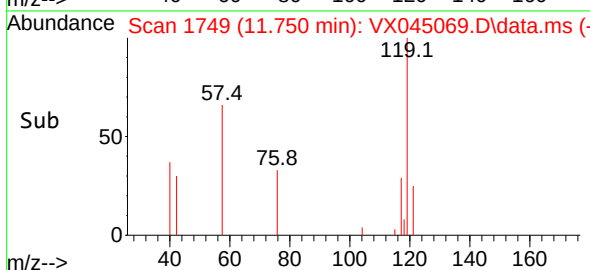
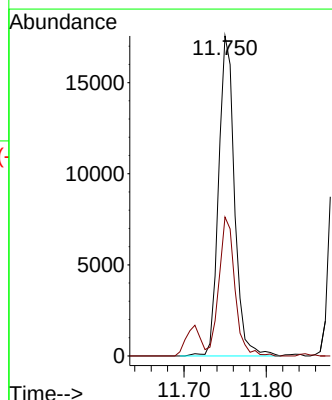
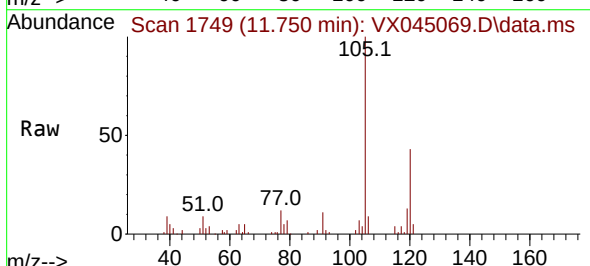
Acq: 28 Feb 2025 02:13

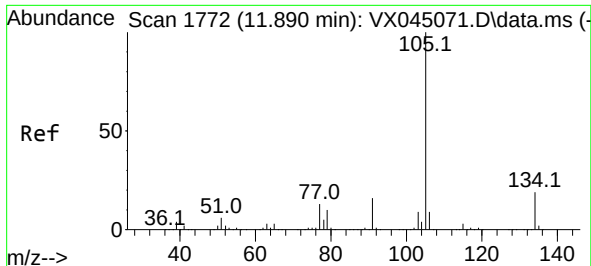
Tgt Ion:105 Resp: 23561

Ion Ratio Lower Upper

105 100

120 43.4 22.1 66.1

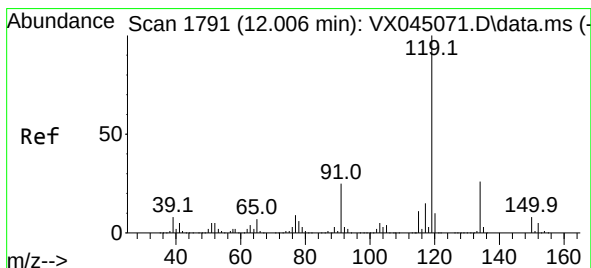
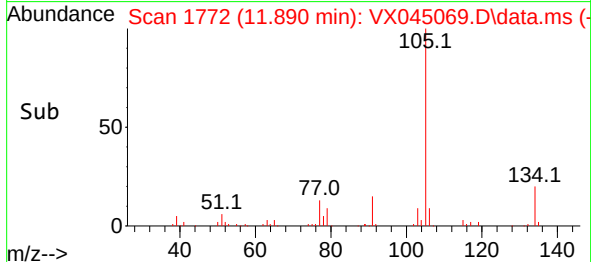
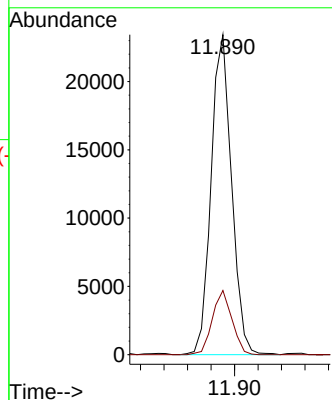
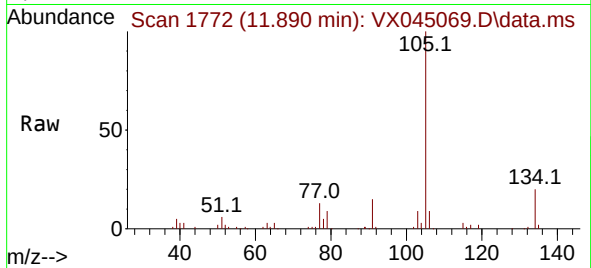




#85
 sec-Butylbenzene
 Concen: 4.687 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX045069.D
 Acq: 28 Feb 2025 02:13

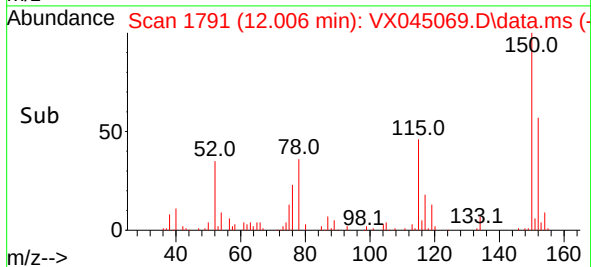
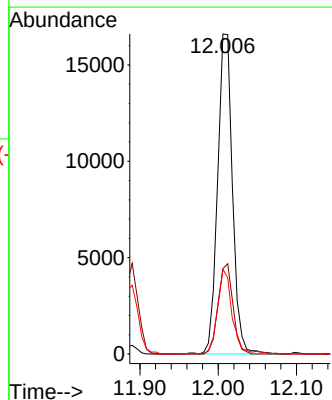
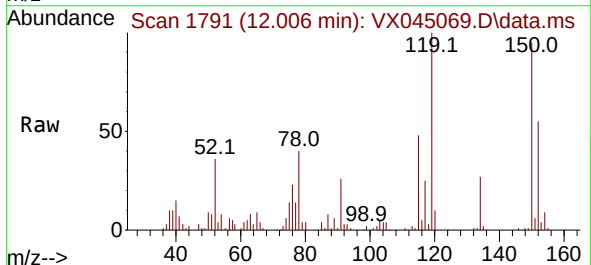
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

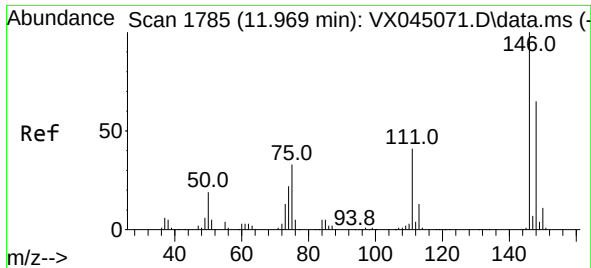
Tgt Ion:105 Resp: 28314
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.8 29.4



#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

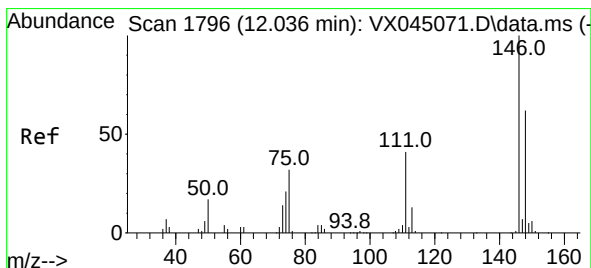
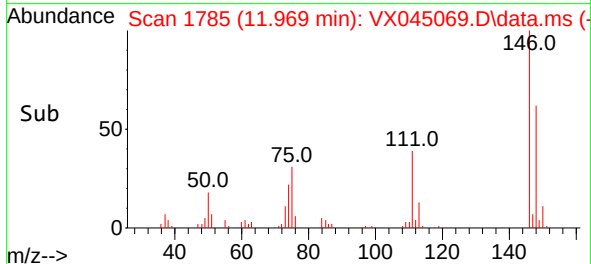
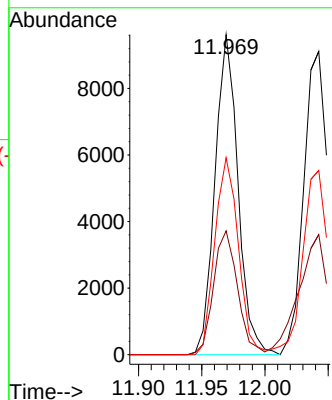
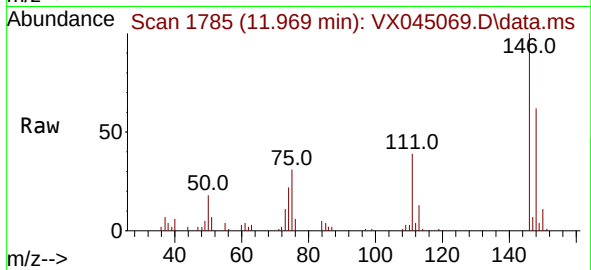




#87
1,3-Dichlorobenzene
Concen: 4.926 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

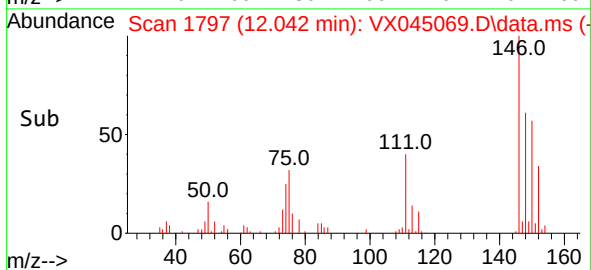
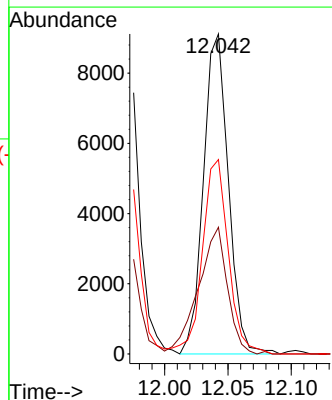
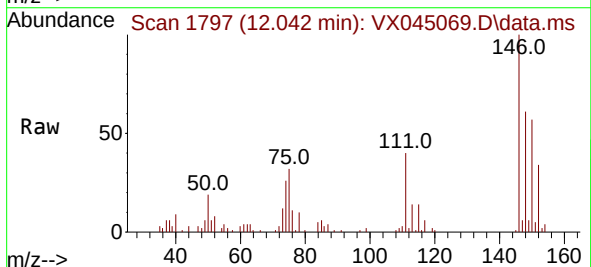
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

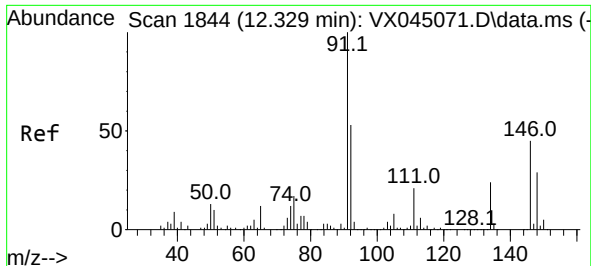
Tgt Ion:146 Resp: 12157
Ion Ratio Lower Upper
146 100
111 40.5 21.1 63.4
148 62.9 31.9 95.7



#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

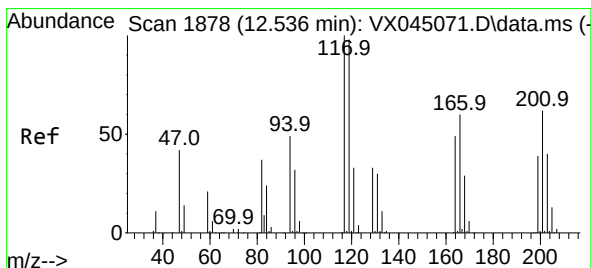
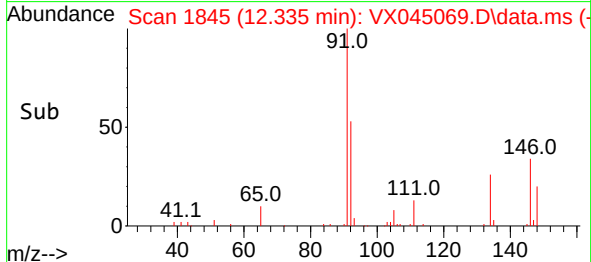
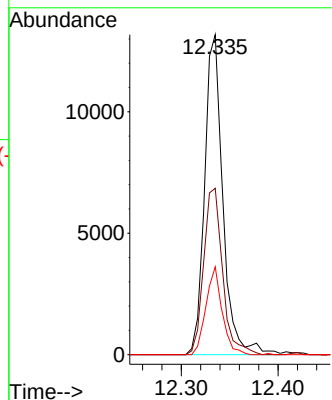
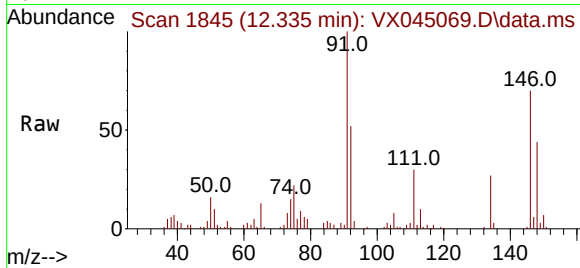




#89
n-Butylbenzene
Concen: 4.072 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

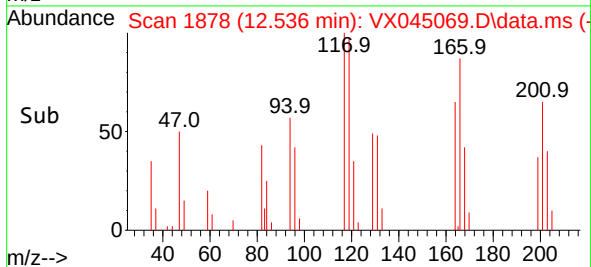
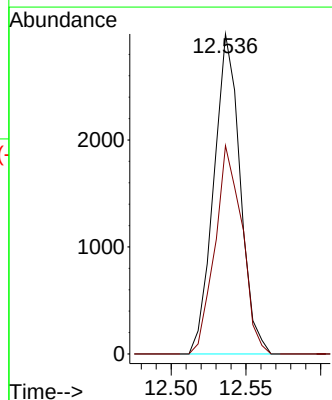
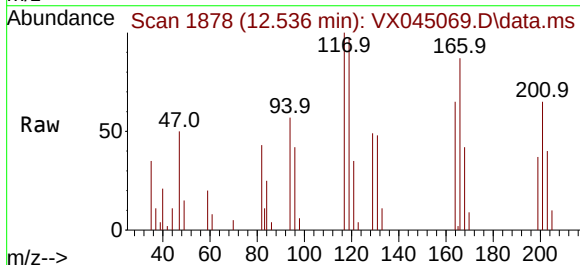
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

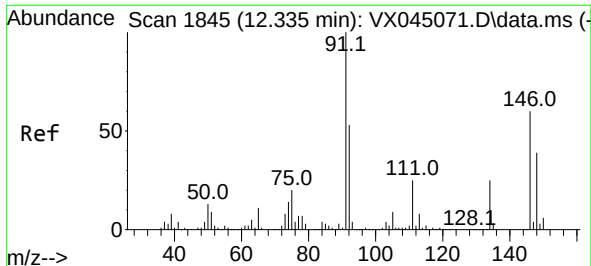
Tgt Ion: 91 Resp: 17358
Ion Ratio Lower Upper
91 100
92 53.9 26.7 80.0
134 24.4 12.2 36.6



#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

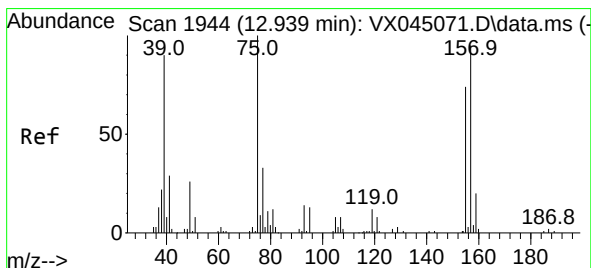
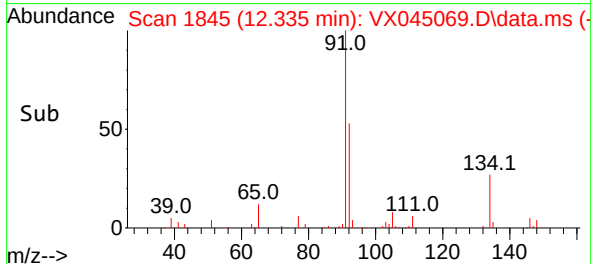
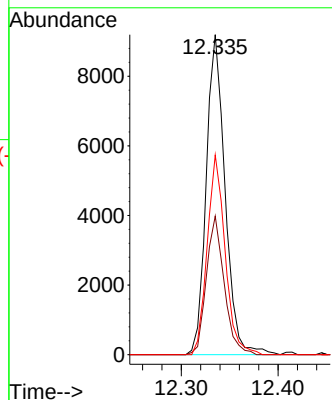
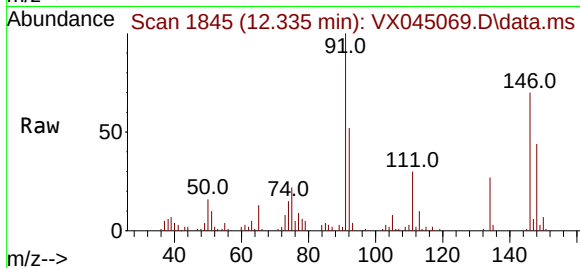




#91
1,2-Dichlorobenzene
Concen: 5.138 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

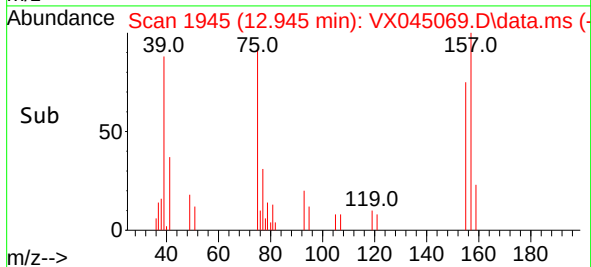
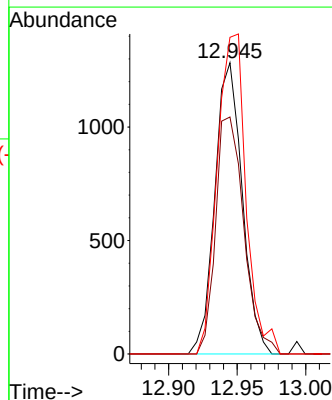
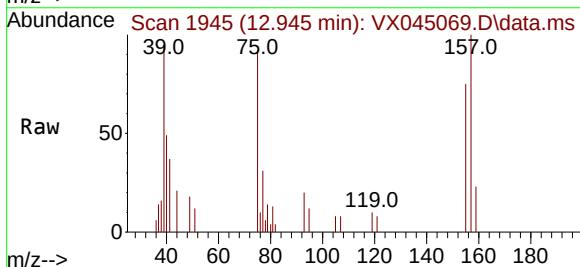
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

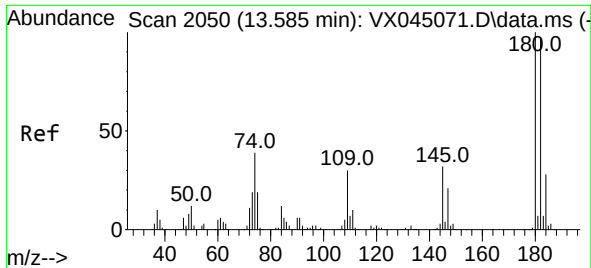
Tgt Ion:	146	Resp:	12477
Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.6	65.0
148	59.4	31.9	95.9



#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

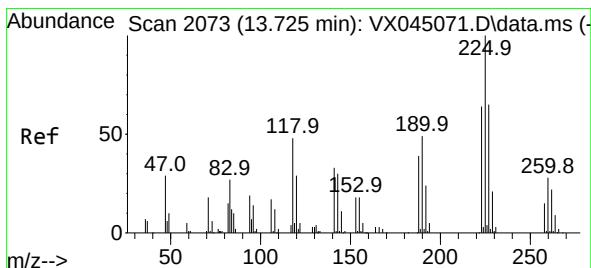
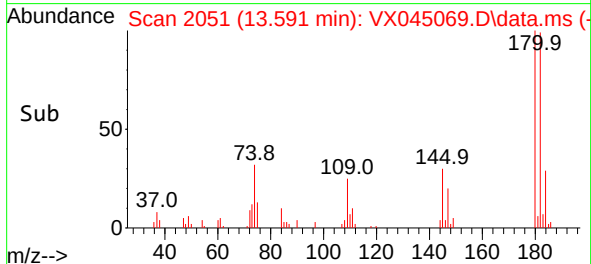
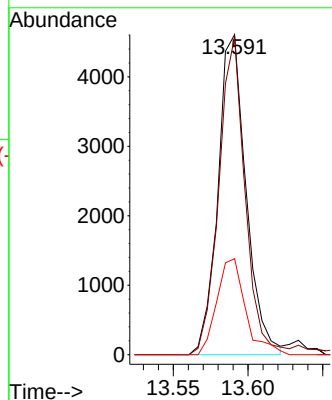
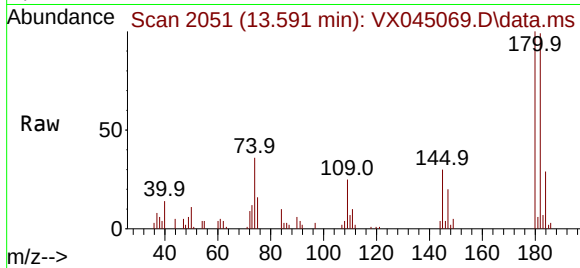




#93
1,2,4-Trichlorobenzene
Concen: 4.114 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

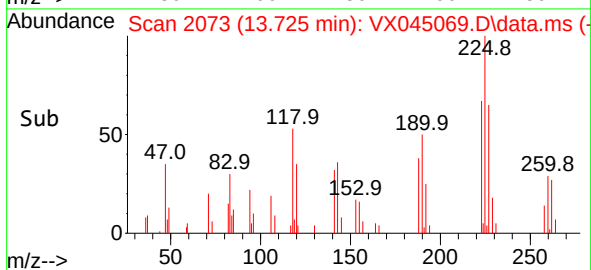
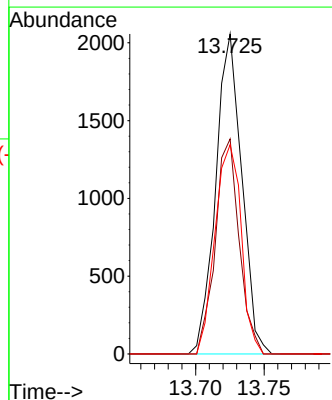
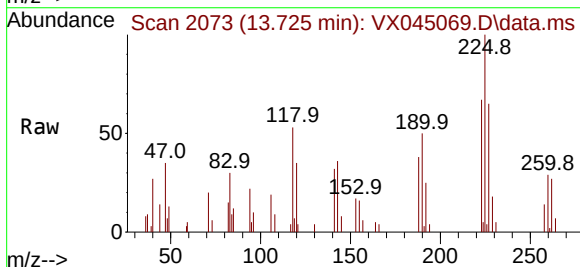
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

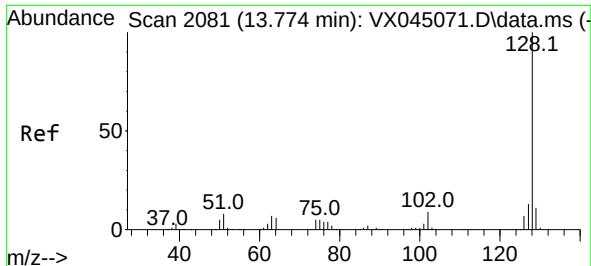
Tgt Ion:180 Resp: 6040
Ion Ratio Lower Upper
180 100
182 92.4 47.3 141.9
145 30.6 16.3 48.9



#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

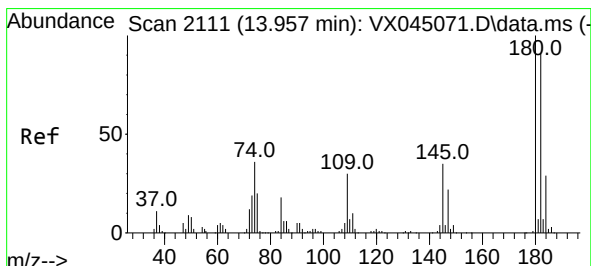
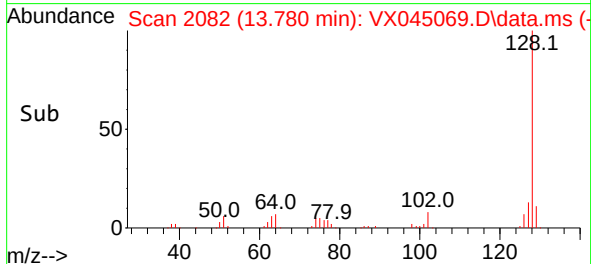
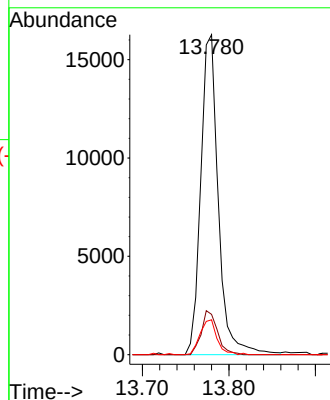
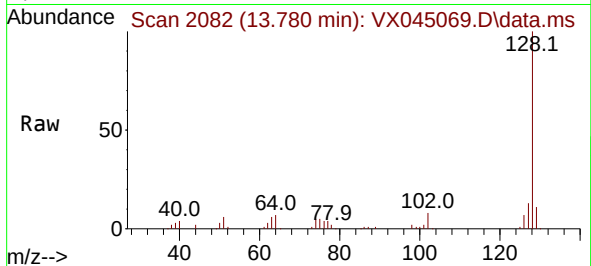




#95
Naphthalene
Concen: 4.287 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

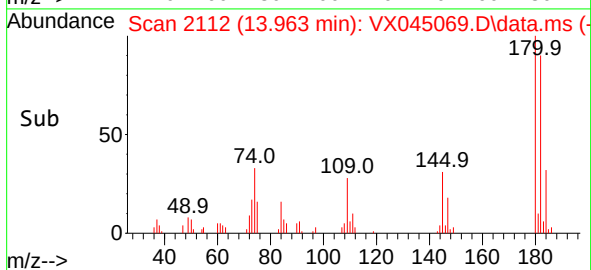
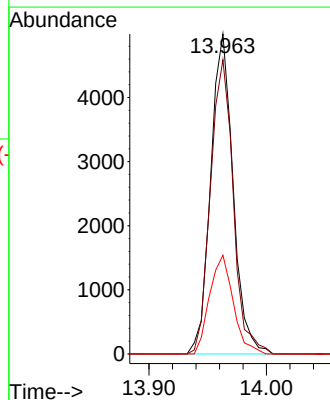
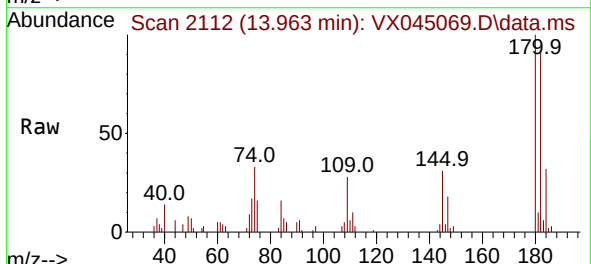
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:128	Resp:	22927	
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.6	8.7	13.1



#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

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 : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

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	41754	26.713	ug/l	86
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

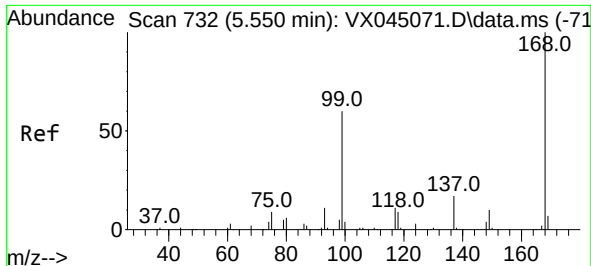
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Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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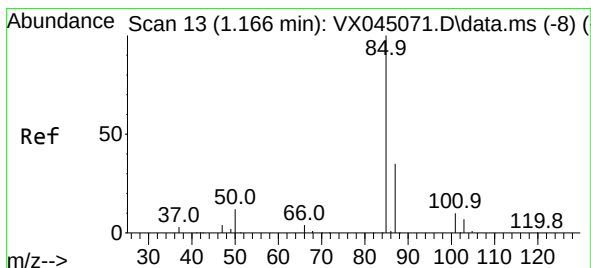
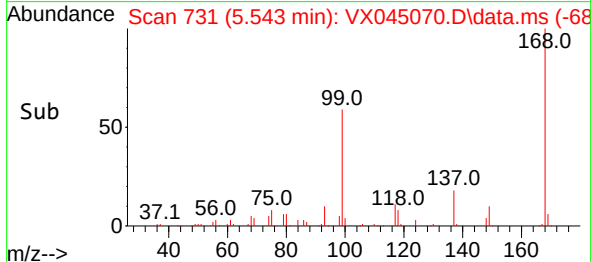
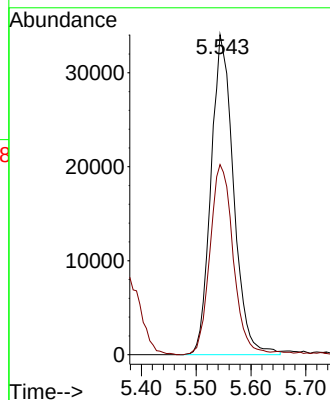
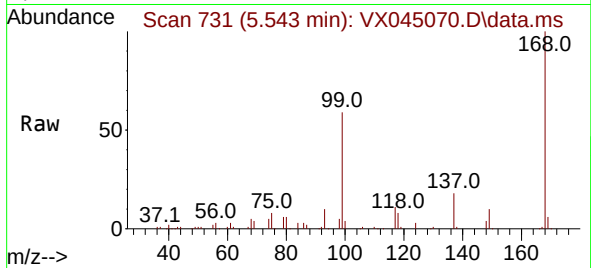
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#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

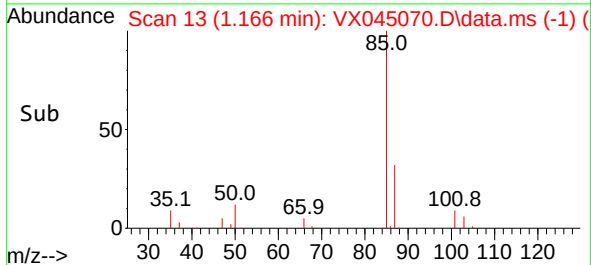
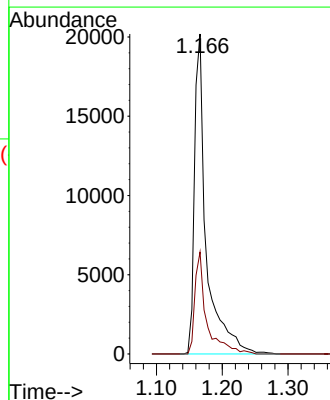
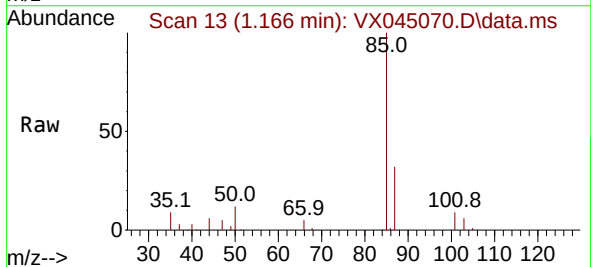
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

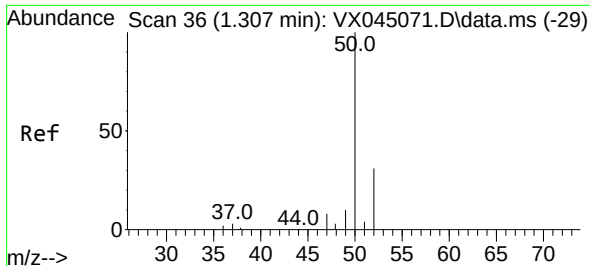
Tgt Ion:168 Resp: 97338
Ion Ratio Lower Upper
168 100
99 59.4 48.2 72.4



#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

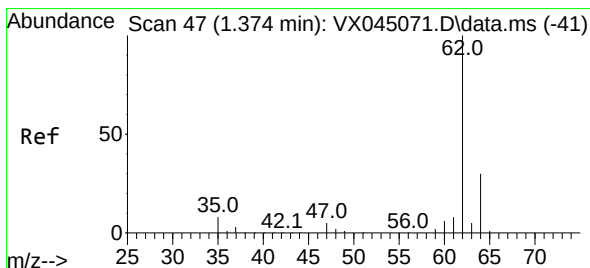
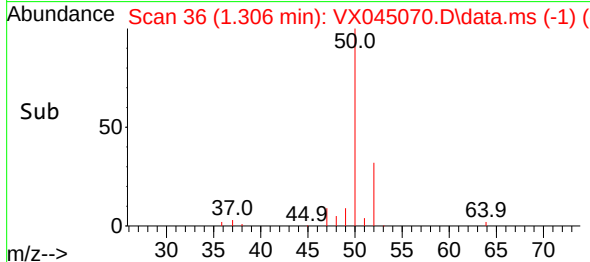
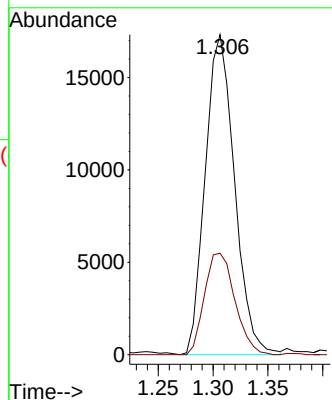
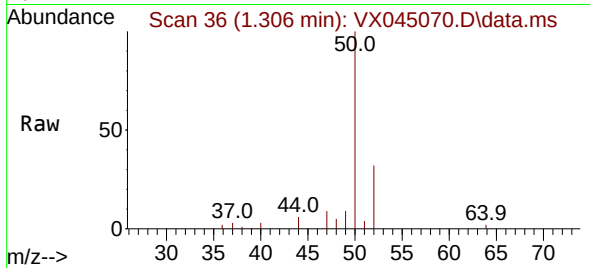




#3
Chloromethane
Concen: 19.736 ug/l
RT: 1.306 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

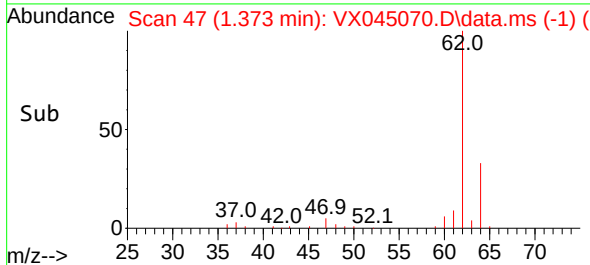
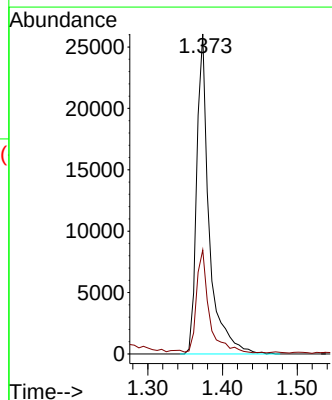
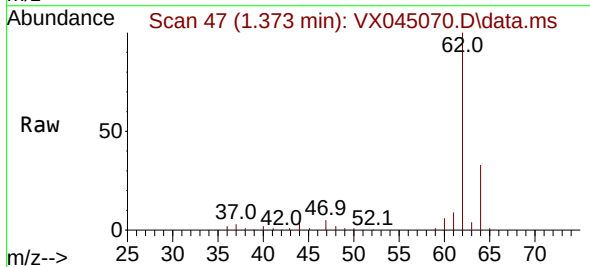
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

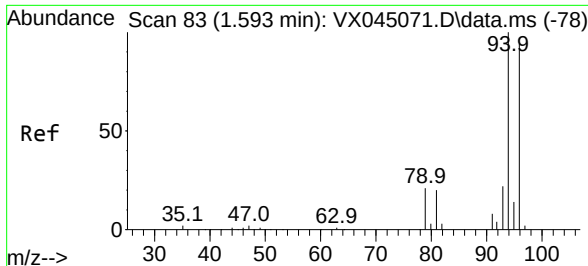
Tgt Ion: 50 Resp: 32219
Ion Ratio Lower Upper
50 100
52 31.7 25.0 37.4



#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

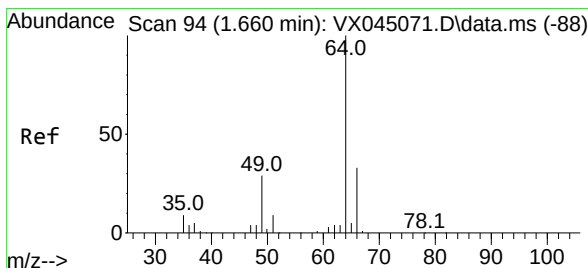
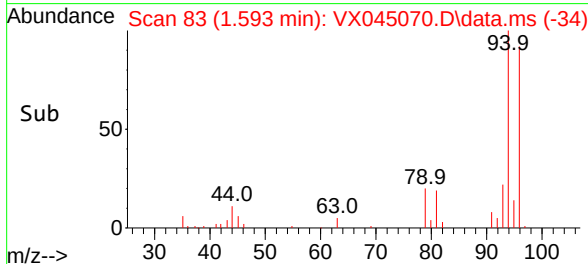
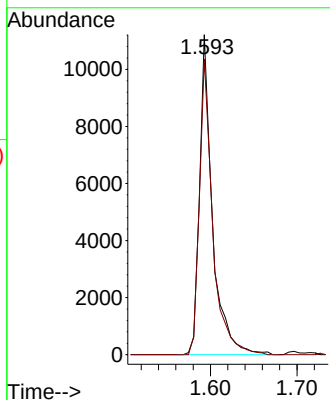
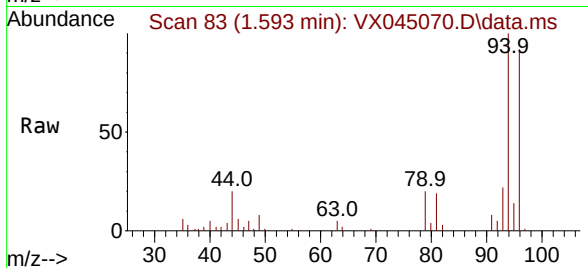




#5
Bromomethane
Concen: 23.239 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

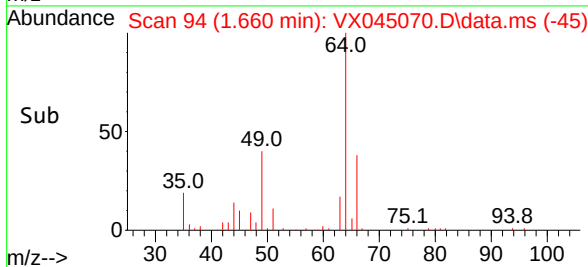
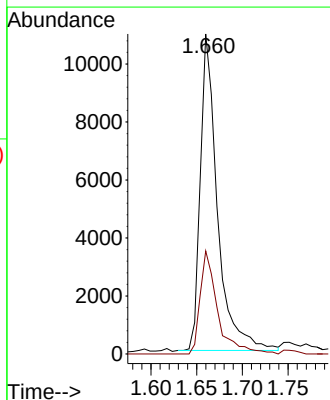
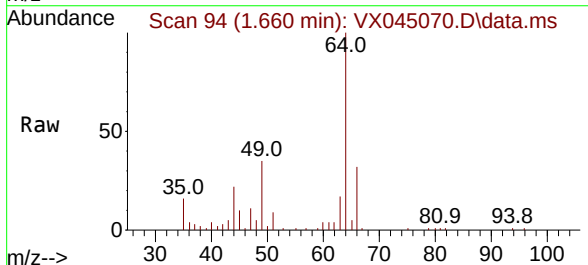
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

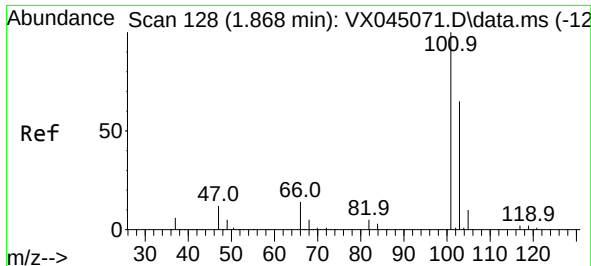
Tgt Ion: 94 Resp: 11584
Ion Ratio Lower Upper
94 100
96 92.4 75.0 112.4



#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

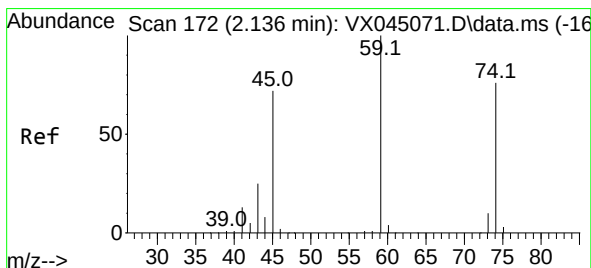
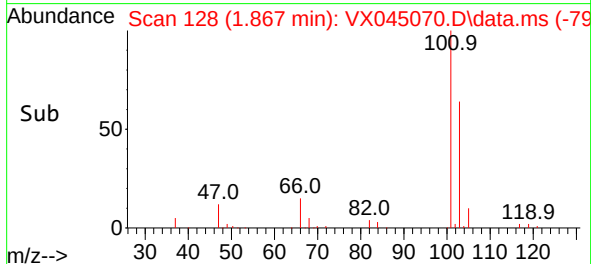
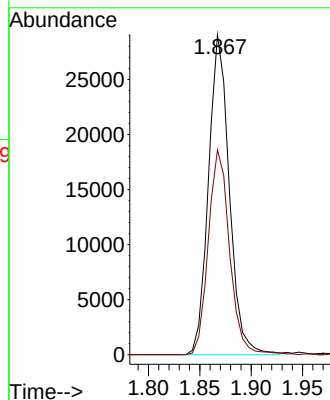
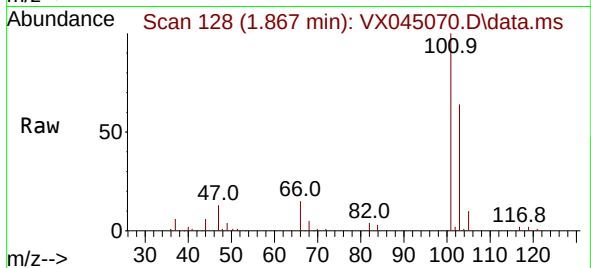




#7
Trichlorofluoromethane
Concen: 20.015 ug/l
RT: 1.867 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

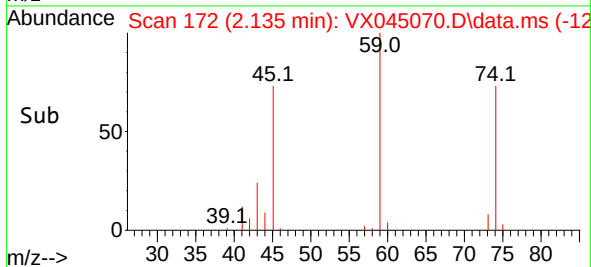
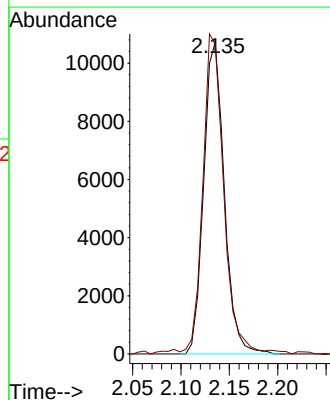
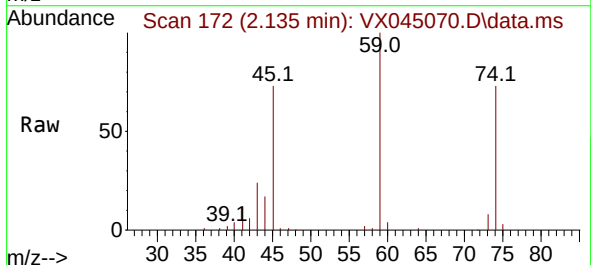
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

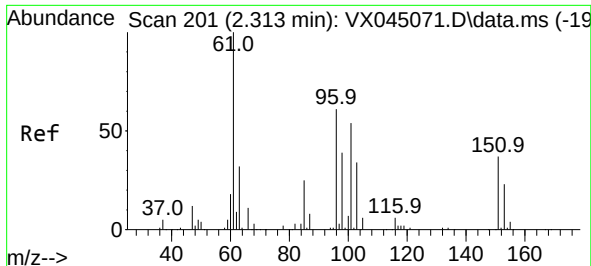
Tgt Ion:101 Resp: 40880
Ion Ratio Lower Upper
101 100
103 64.0 52.1 78.1



#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

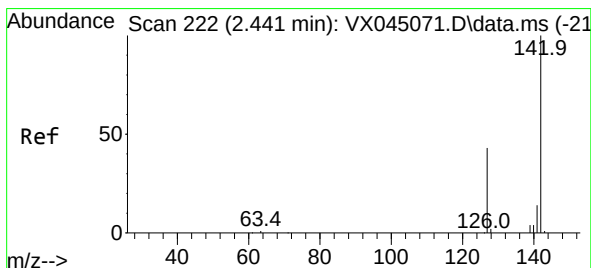
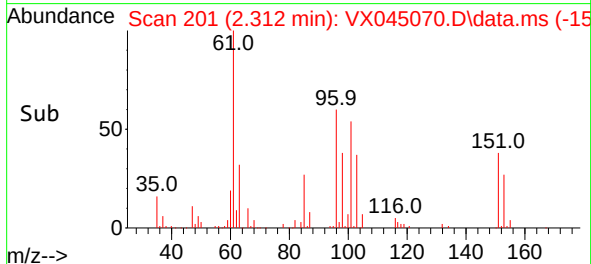
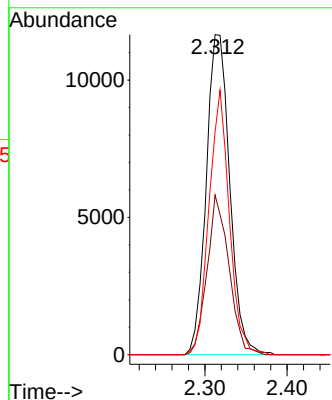
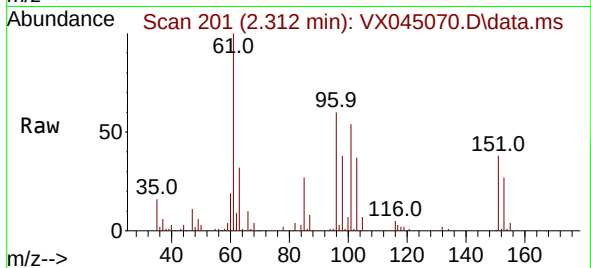




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.984 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

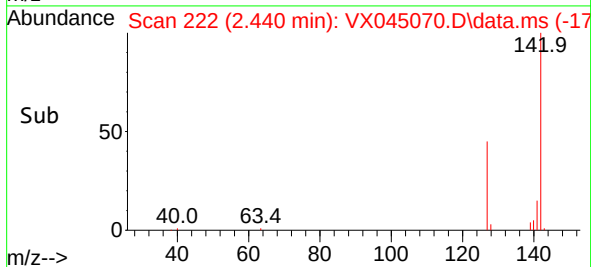
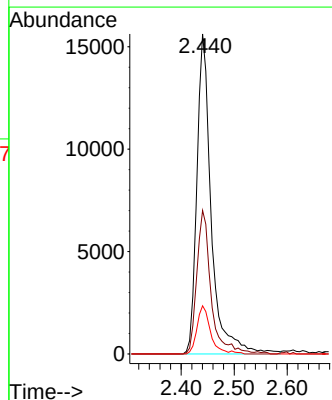
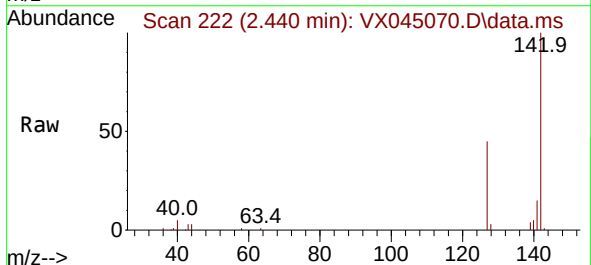
Instrument :
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ClientSampleId :
VSTDICC020

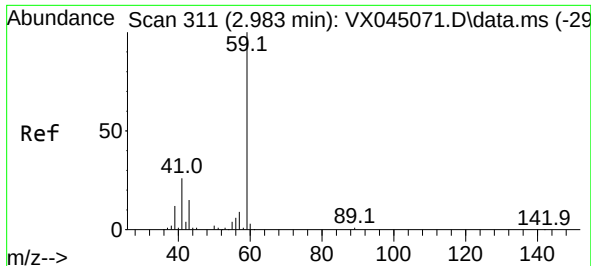
Tgt Ion:101 Resp: 23154
Ion Ratio Lower Upper
101 100
85 46.5 36.2 54.4
151 71.8 56.4 84.6



#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

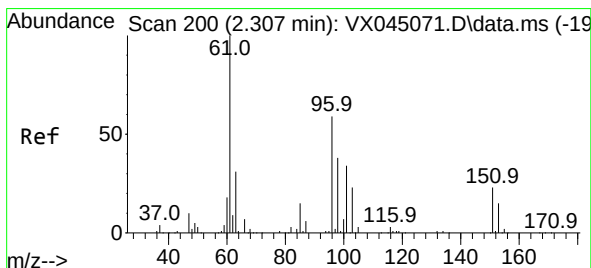
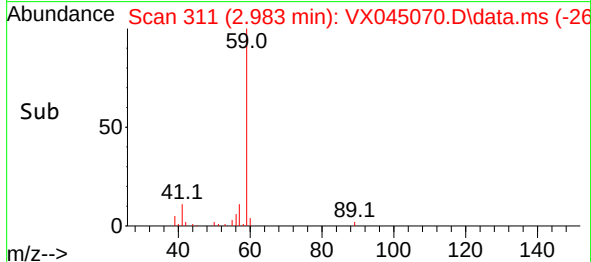
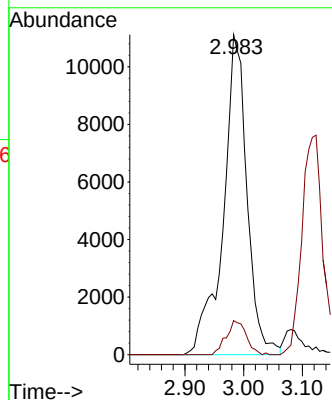
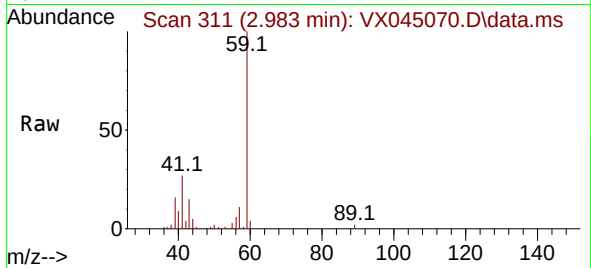




#11
Tert butyl alcohol
Concen: 118.627 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

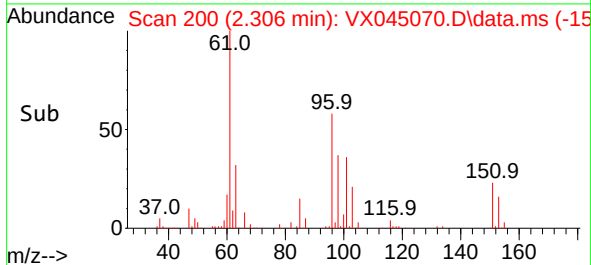
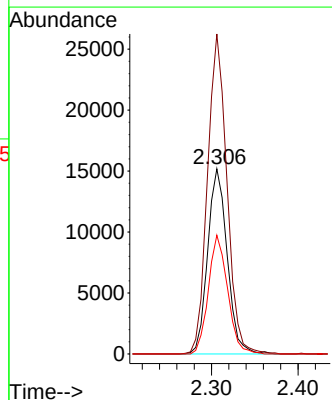
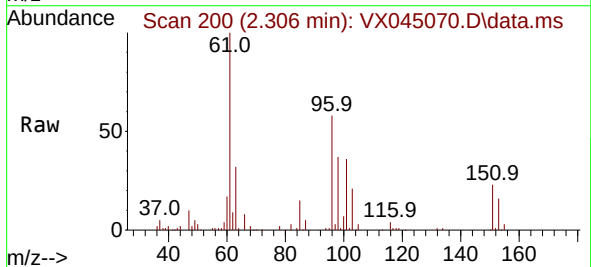
Instrument :
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ClientSampleId :
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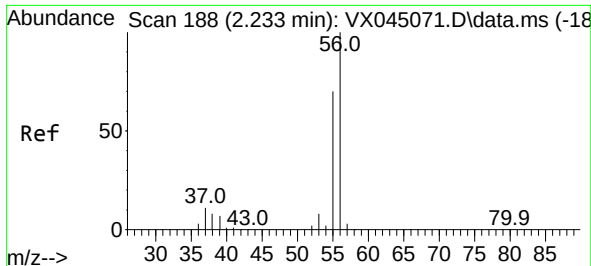
Tgt Ion: 59 Resp: 31246
Ion Ratio Lower Upper
59 100
57 8.9 7.8 11.8



#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

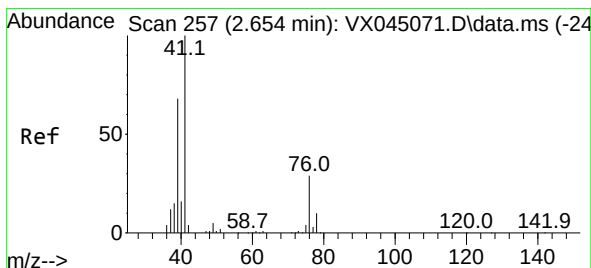
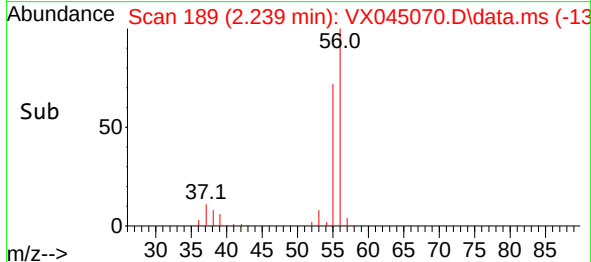
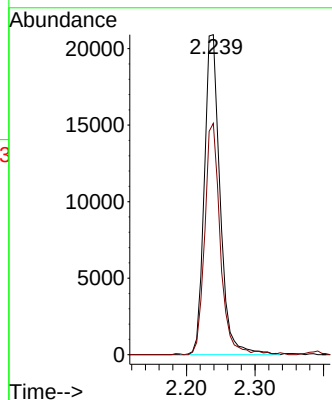
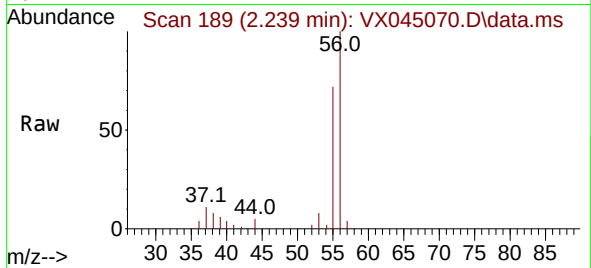




#13
Acrolein
Concen: 117.747 ug/l
RT: 2.239 min Scan# 188
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

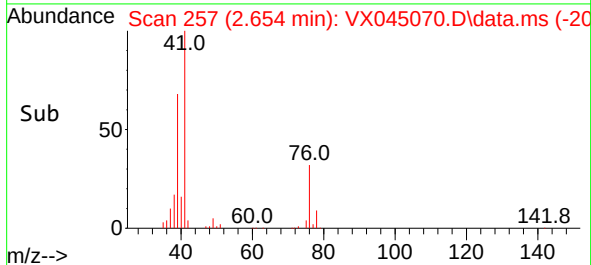
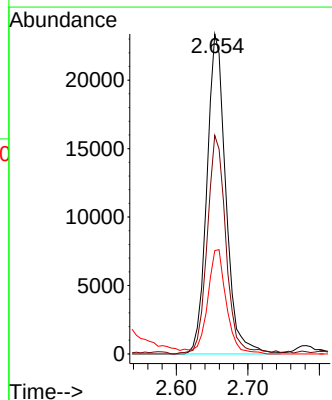
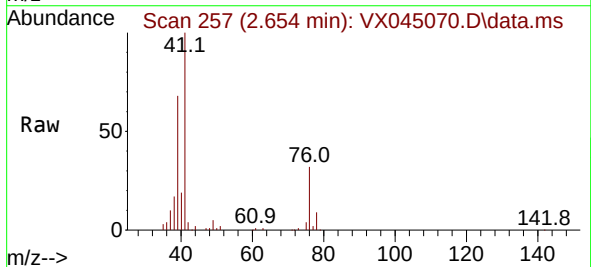
Instrument :
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ClientSampleId :
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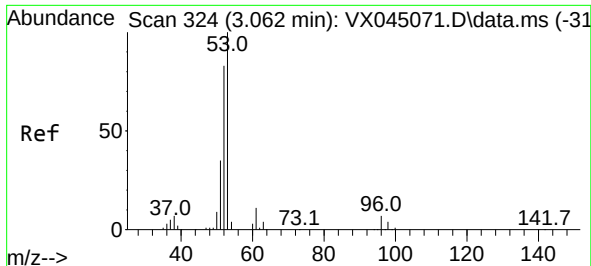
Tgt Ion: 56 Resp: 33586
Ion Ratio Lower Upper
56 100
55 71.4 56.2 84.4



#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

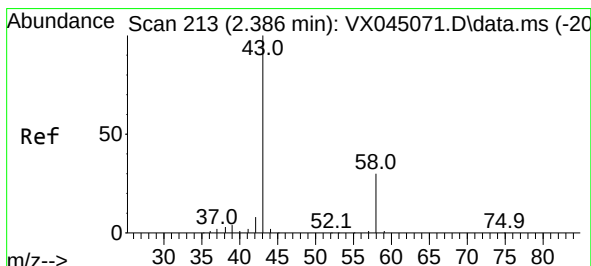
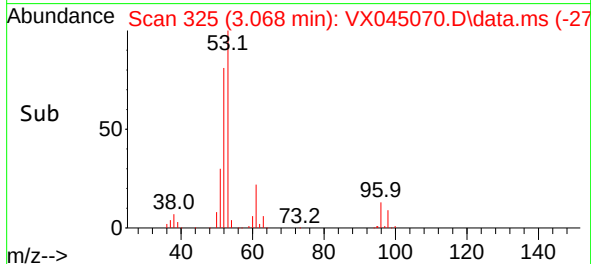
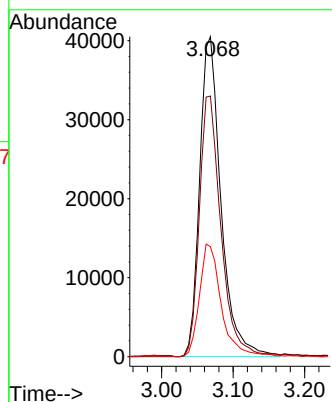
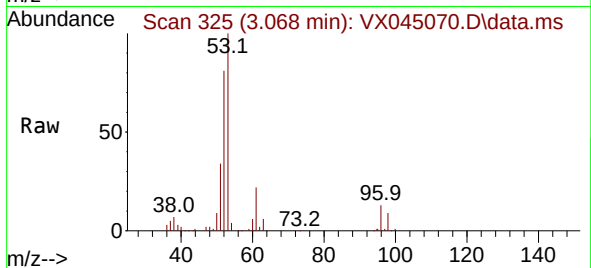




#15
Acrylonitrile
Concen: 117.598 ug/l
RT: 3.068 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

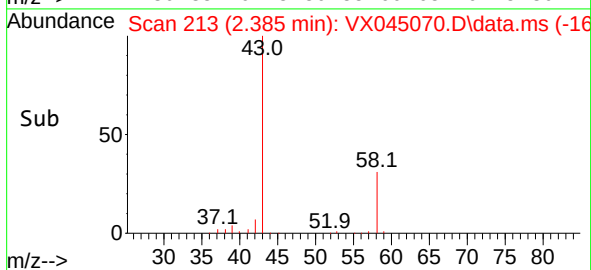
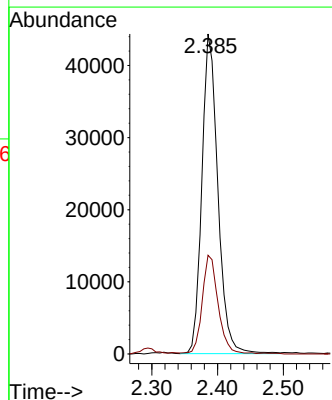
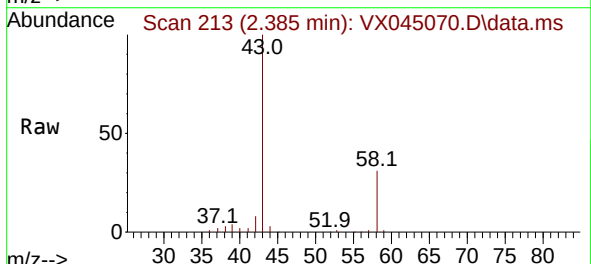
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

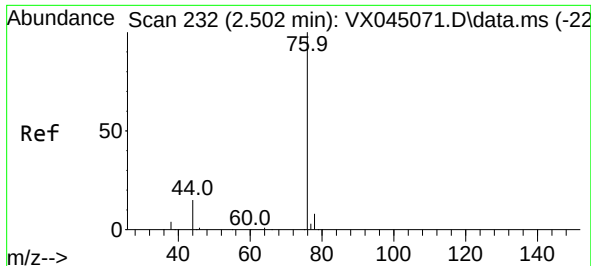
Tgt Ion: 53	Resp: 84182
Ion Ratio	Lower Upper
53 100	
52 82.8	66.2 99.2
51 36.0	29.0 43.4



#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

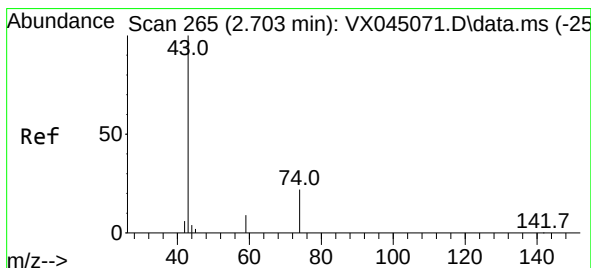
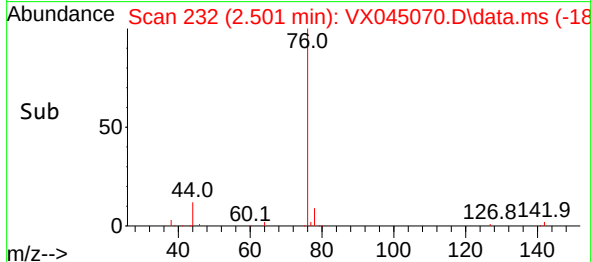
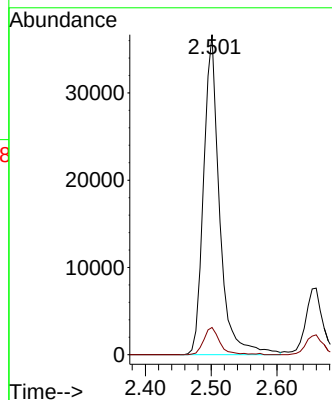
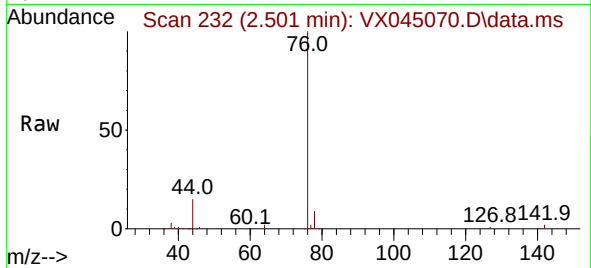




#17
Carbon Disulfide
Concen: 18.139 ug/l
RT: 2.501 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

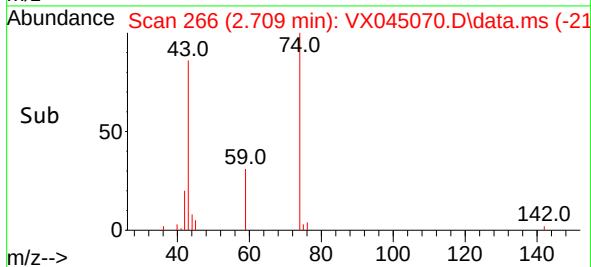
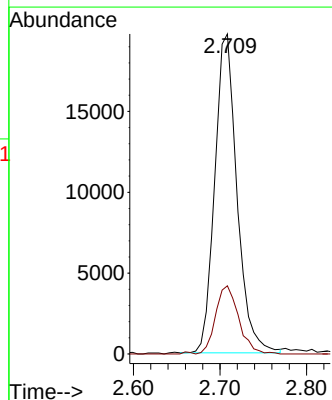
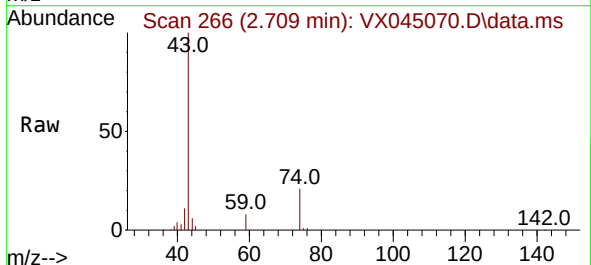
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

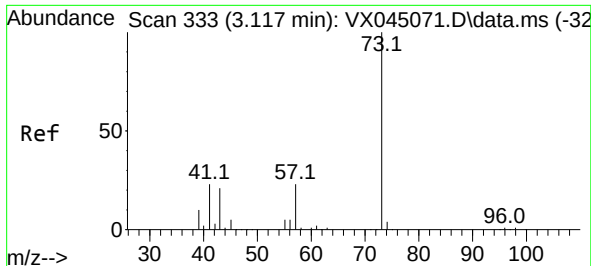
Tgt Ion: 76 Resp: 61802
Ion Ratio Lower Upper
76 100
78 8.5 6.6 9.8



#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

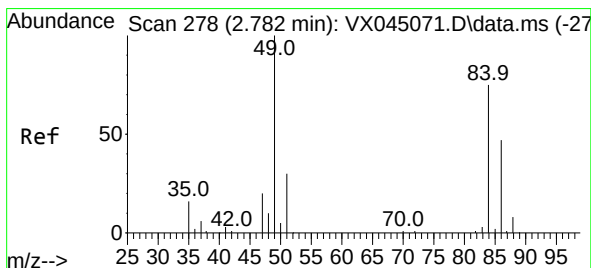
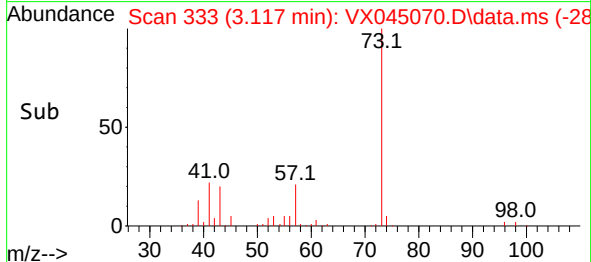
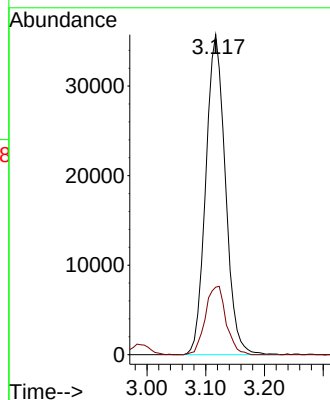
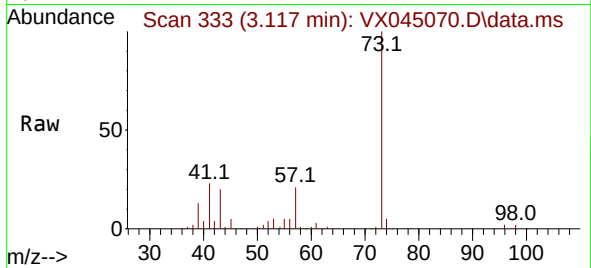




#19
Methyl tert-butyl Ether
Concen: 20.689 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

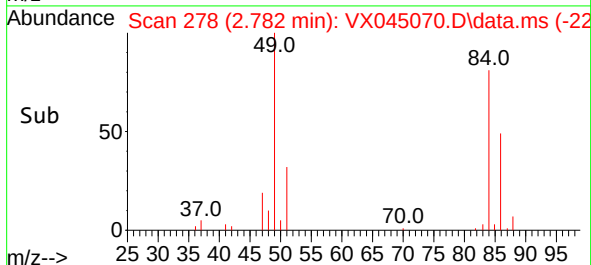
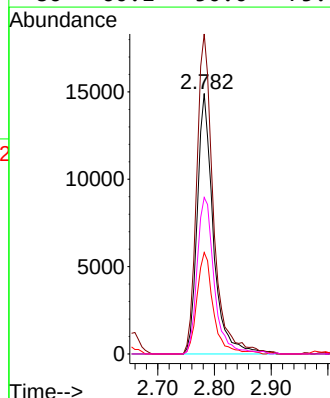
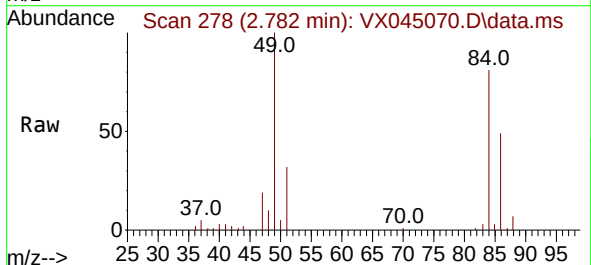
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

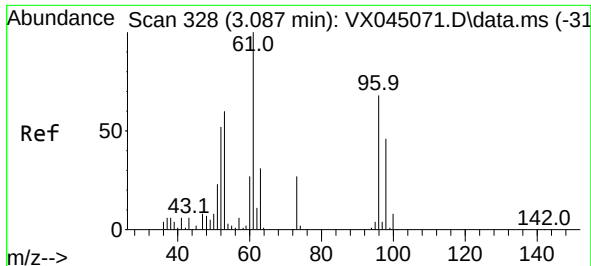
Tgt Ion: 73 Resp: 82833
Ion Ratio Lower Upper
73 100
57 21.1 18.5 27.7



#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

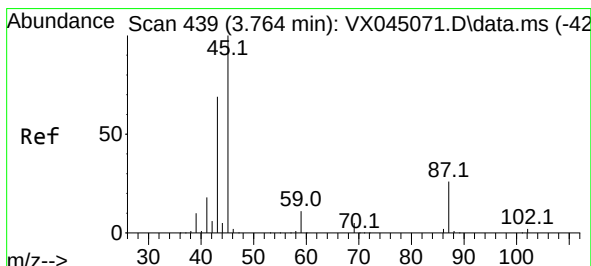
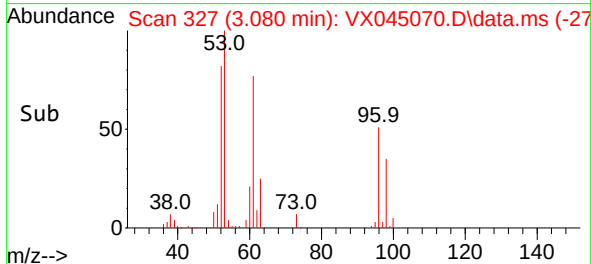
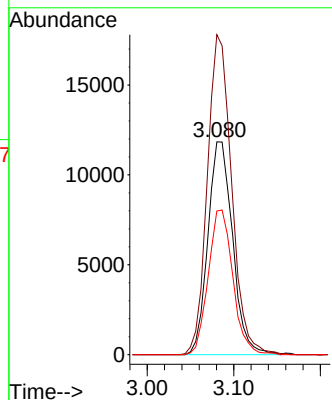
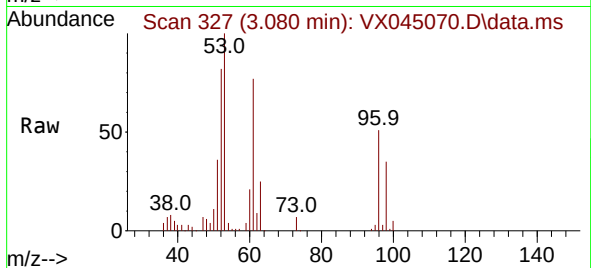




#21
trans-1,2-Dichloroethene
Concen: 19.057 ug/l
RT: 3.080 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

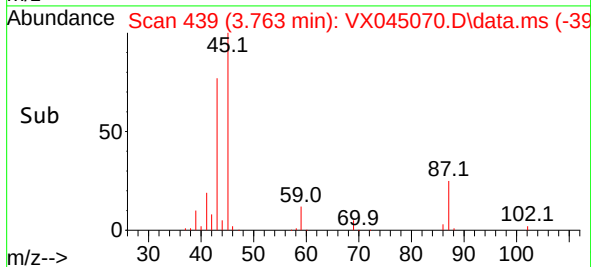
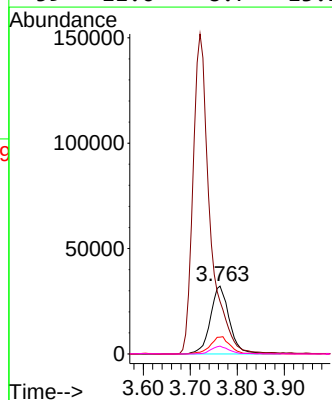
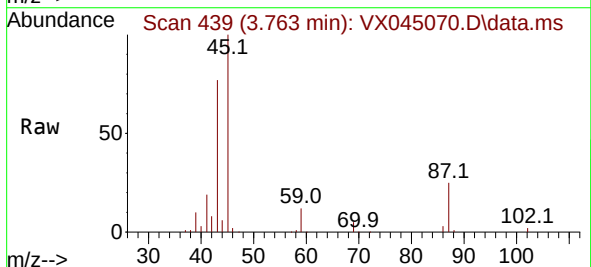
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

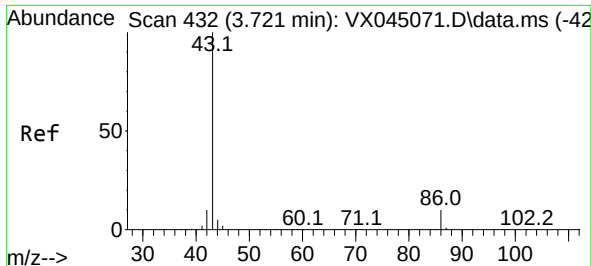
Tgt Ion: 96 Resp: 23471
Ion Ratio Lower Upper
96 100
61 150.3 117.0 175.4
98 67.5 53.4 80.2



#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

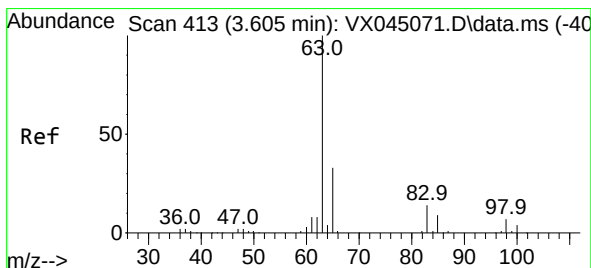
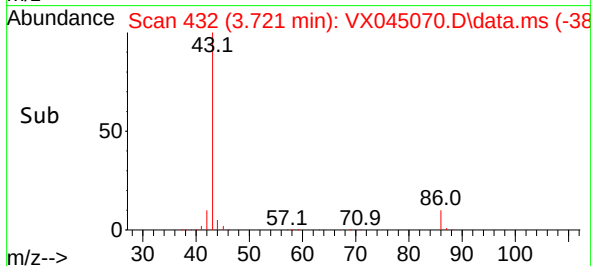
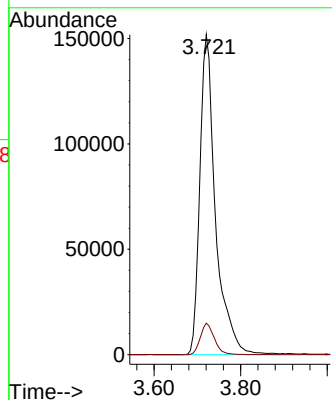
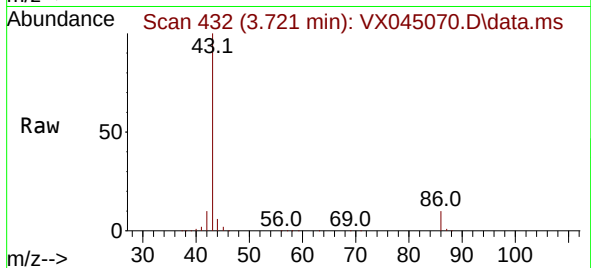




#23
 Vinyl Acetate
 Concen: 108.038 ug/l
 RT: 3.721 min Scan# 413
 Delta R.T. -0.000 min
 Lab File: VX045070.D
 Acq: 28 Feb 2025 02:37

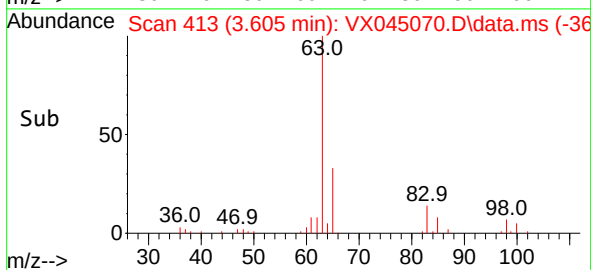
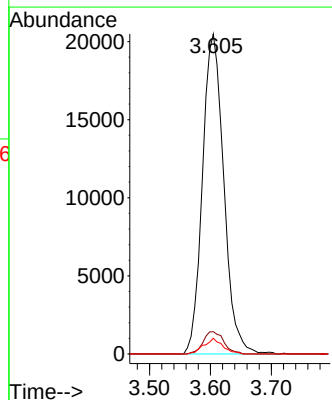
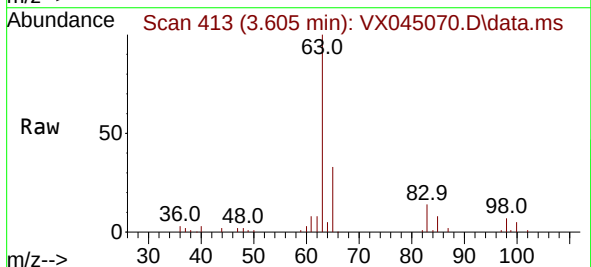
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

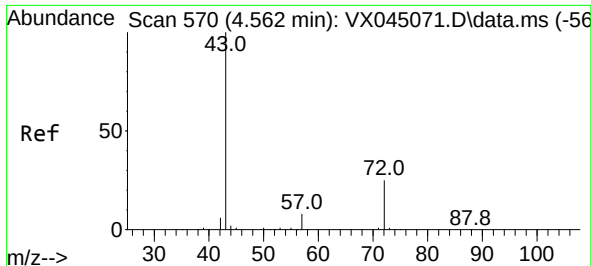
Tgt Ion: 43 Resp: 381808
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.1 12.1



#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

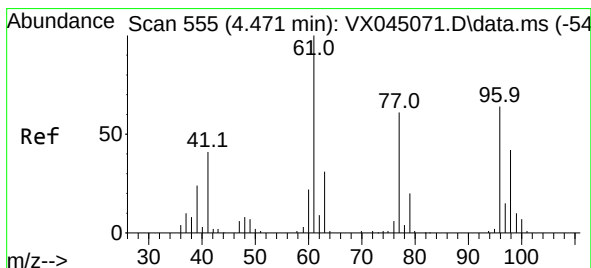
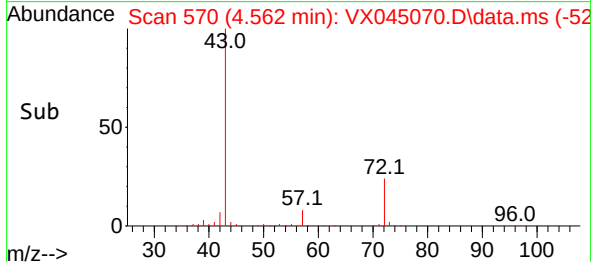
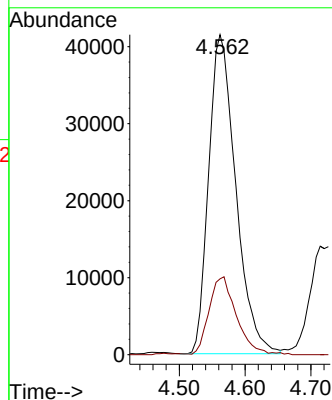
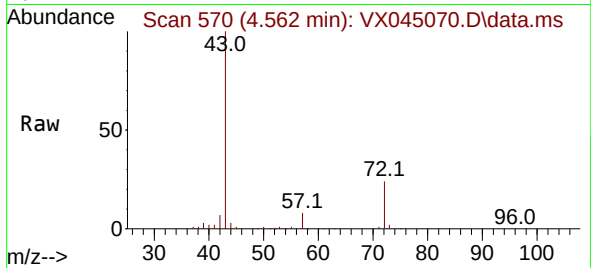




#25
2-Butanone
Concen: 124.449 ug/l
RT: 4.562 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

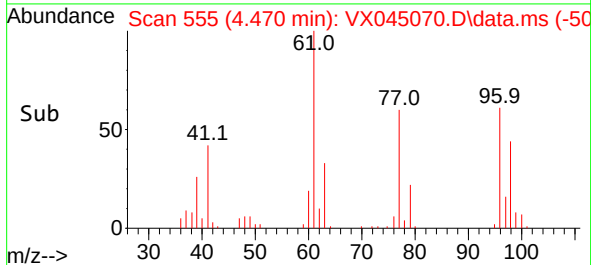
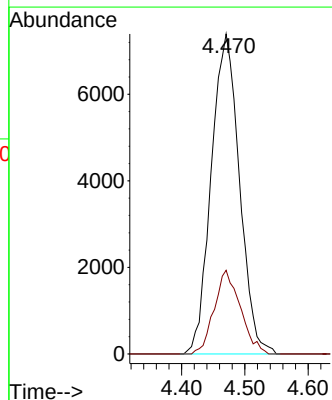
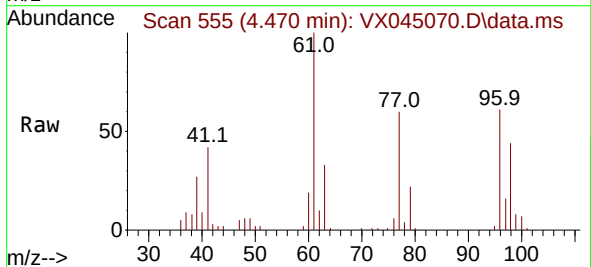
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

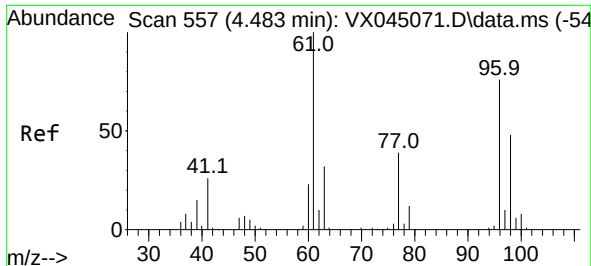
Tgt Ion: 43 Resp: 118713
Ion Ratio Lower Upper
43 100
72 23.5 20.0 30.0



#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

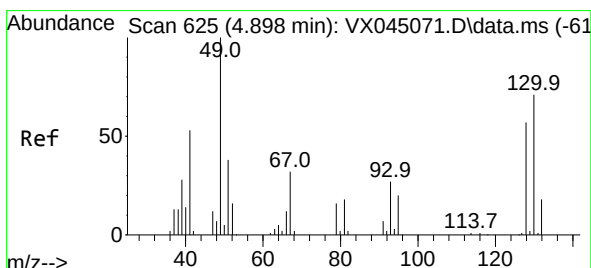
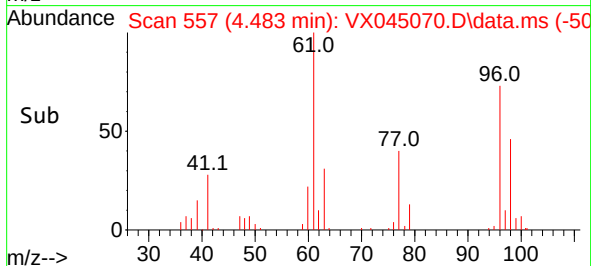
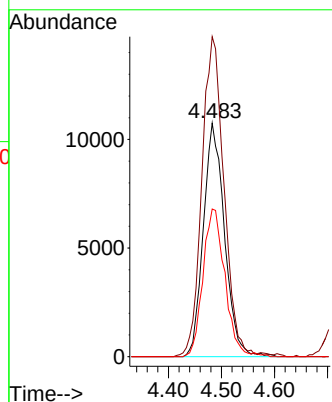
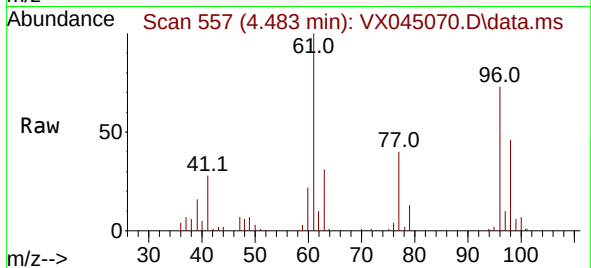




#27
 cis-1,2-Dichloroethene
 Concen: 20.065 ug/l
 RT: 4.483 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX045070.D
 Acq: 28 Feb 2025 02:37

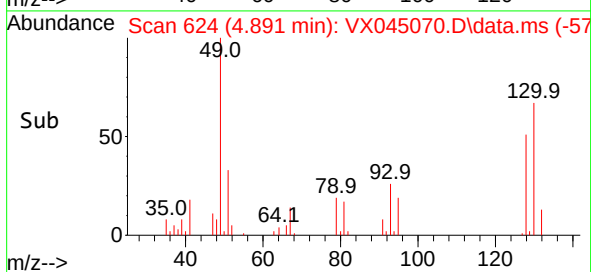
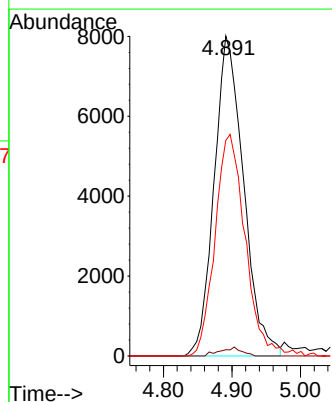
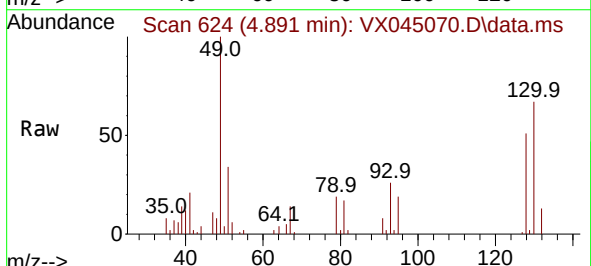
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

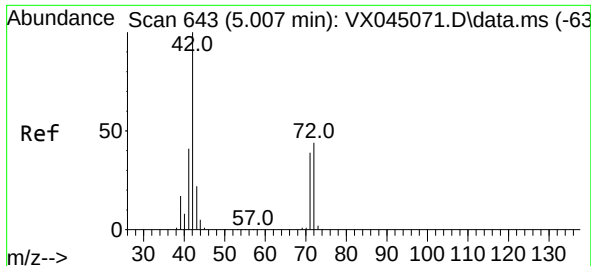
Tgt Ion:	96	Resp:	29788
Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	283.2
98	65.6	0.0	128.0



#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

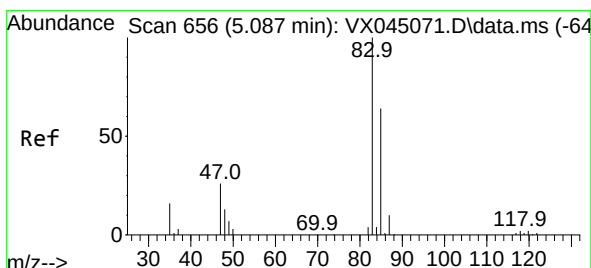
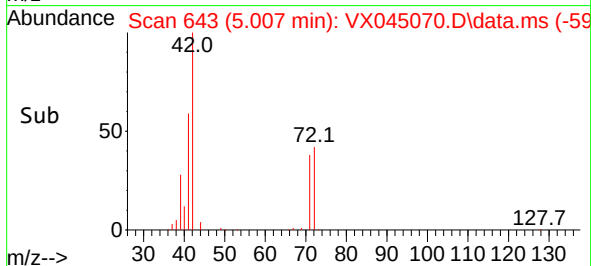
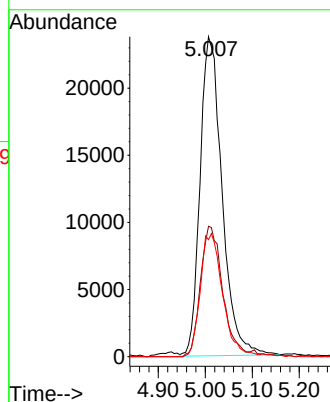
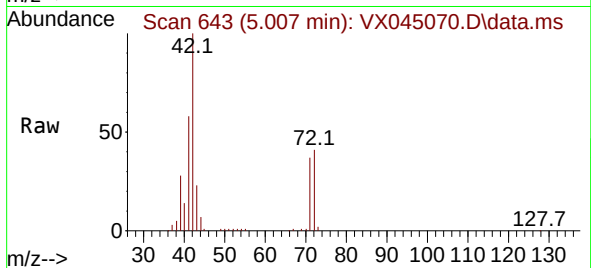
Tgt Ion: 42 Resp: 77433

Ion Ratio Lower Upper

42 100

72 41.0 34.1 51.1

71 39.0 31.4 47.0



#30

Chloroform

Concen: 21.147 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.000 min

Lab File: VX045070.D

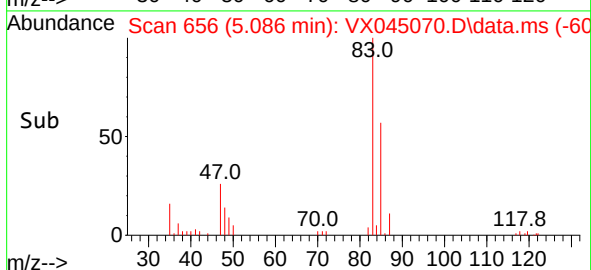
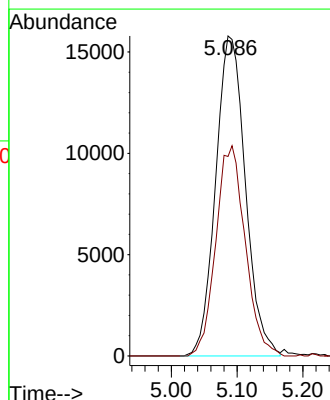
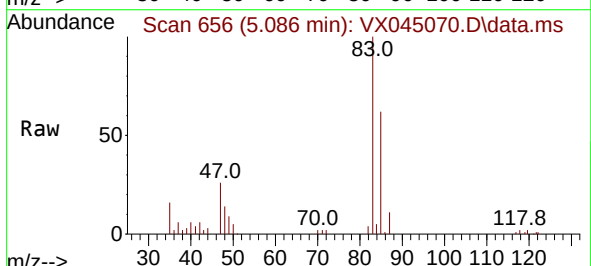
Acq: 28 Feb 2025 02:37

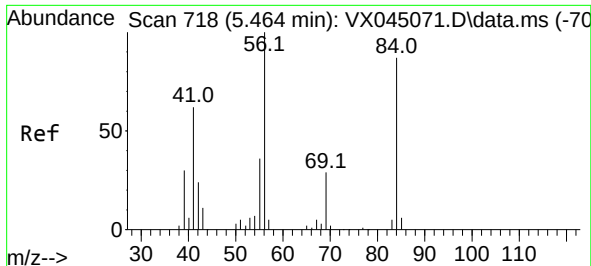
Tgt Ion: 83 Resp: 49751

Ion Ratio Lower Upper

83 100

85 62.3 51.4 77.2

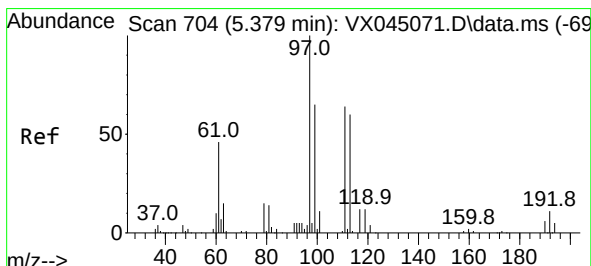
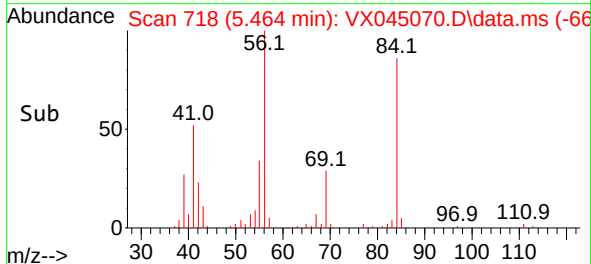
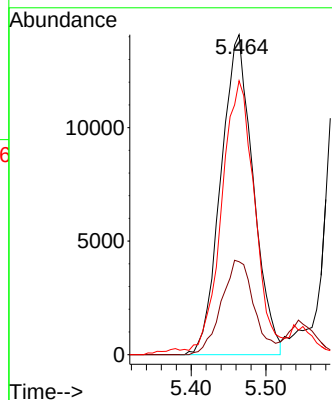
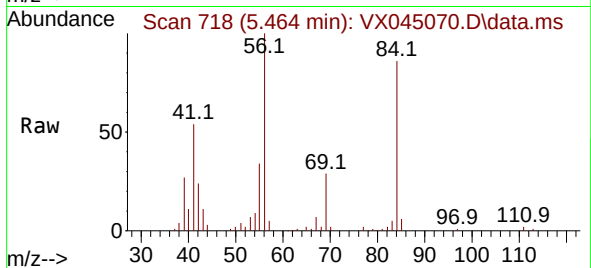




#31
Cyclohexane
Concen: 19.181 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

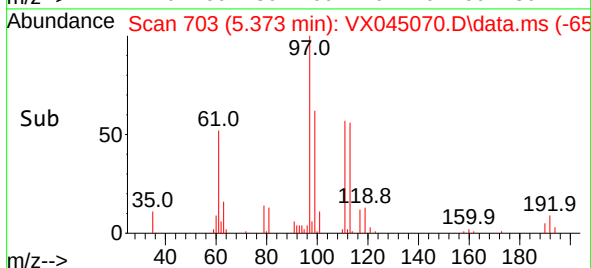
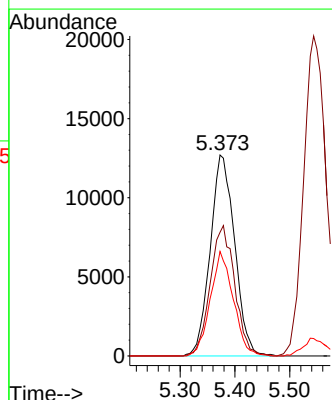
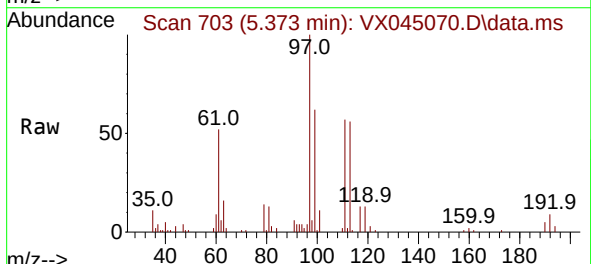
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

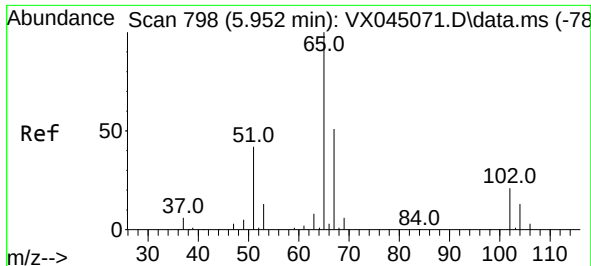
Tgt Ion: 56 Resp: 42340
Ion Ratio Lower Upper
56 100
69 29.0 23.4 35.2
84 84.2 69.4 104.2



#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 :

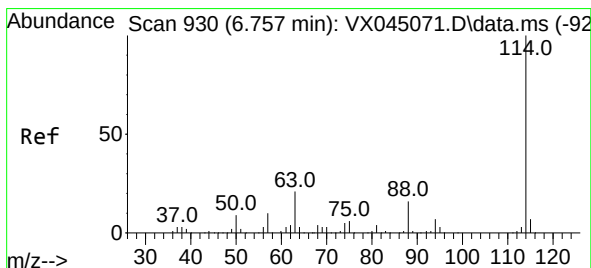
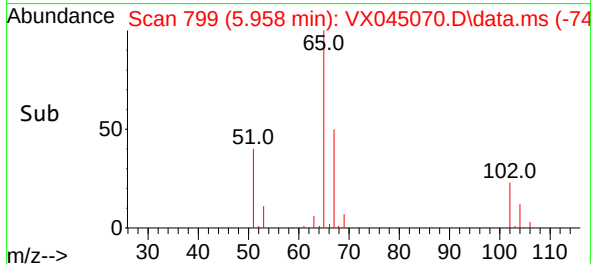
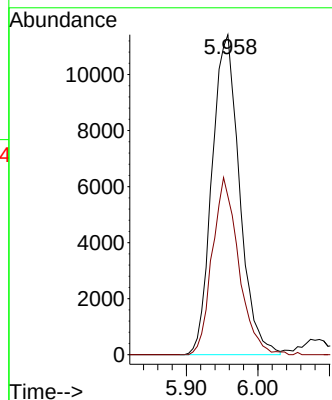
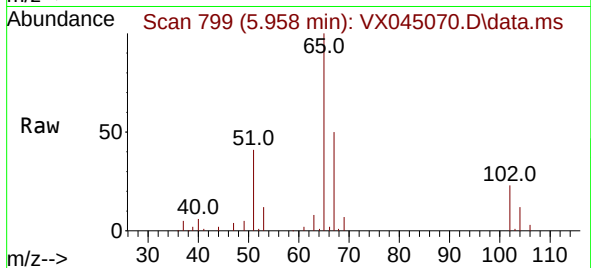
VSTDIC020

Tgt Ion: 65 Resp: 30514

Ion Ratio Lower Upper

65 100

67 53.2 0.0 106.2



#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

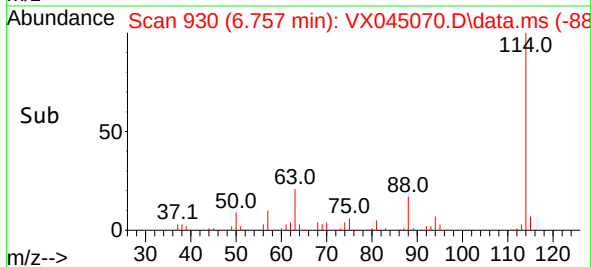
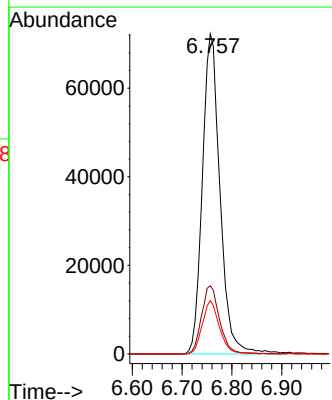
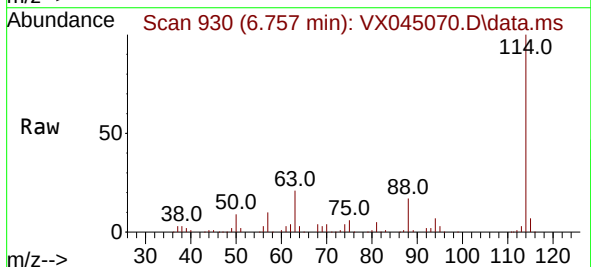
Tgt Ion: 114 Resp: 177403

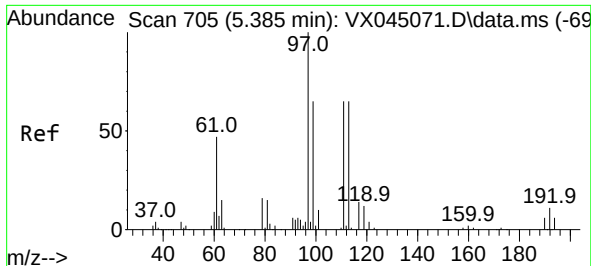
Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.8

88 16.6 0.0 32.8

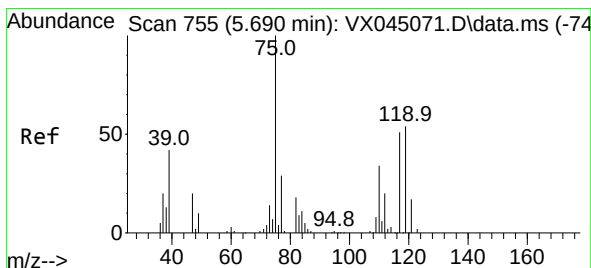
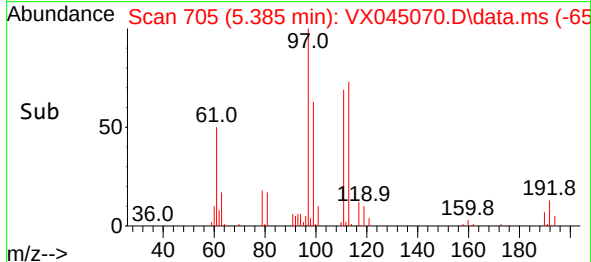
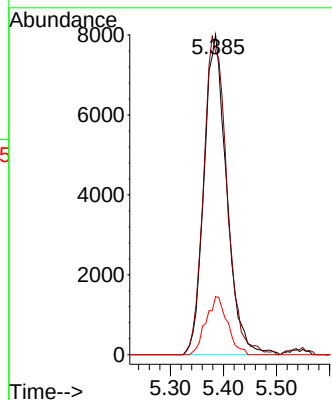
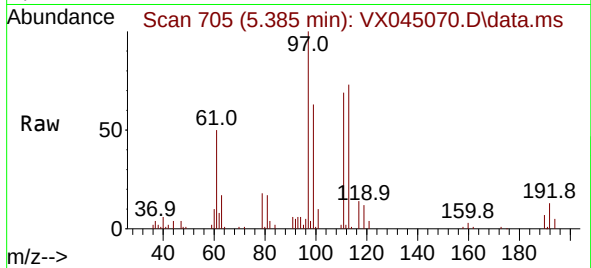




#35
Dibromofluoromethane
Concen: 20.473 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

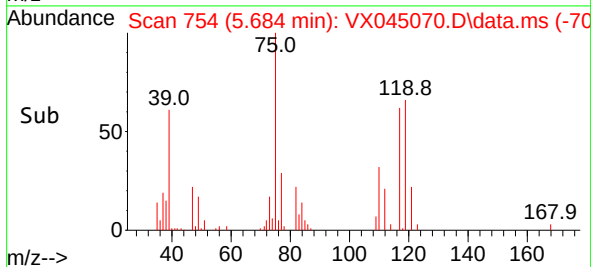
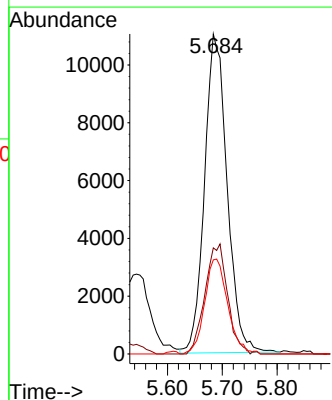
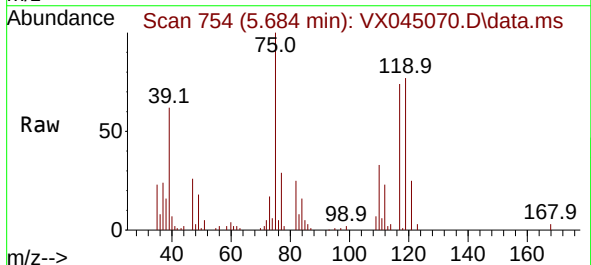
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

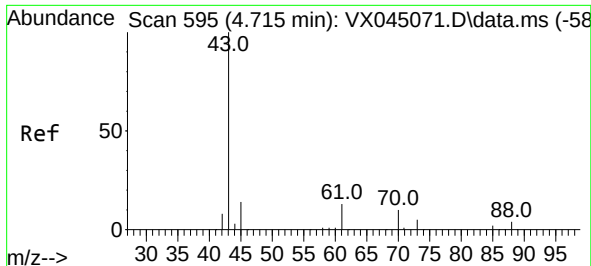
Tgt Ion:113 Resp: 23739
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.6
192 17.2 14.3 21.5



#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 :

VSTDICC020

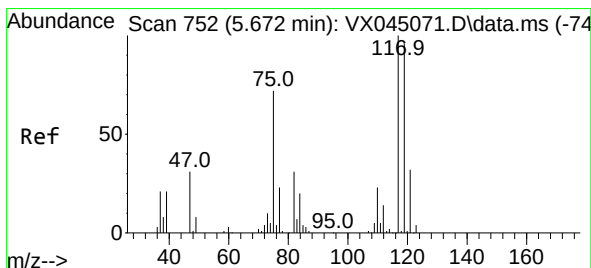
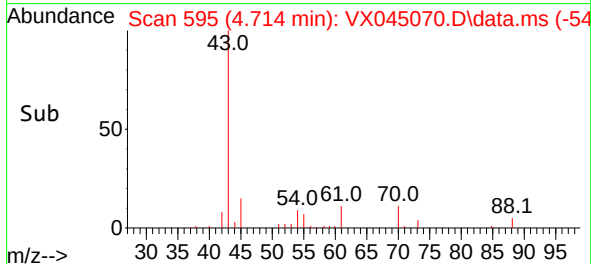
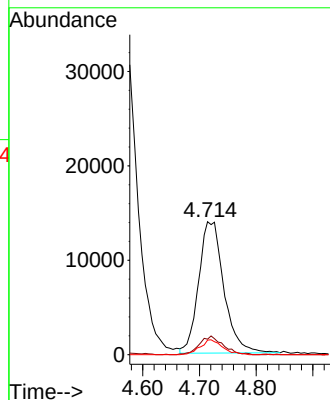
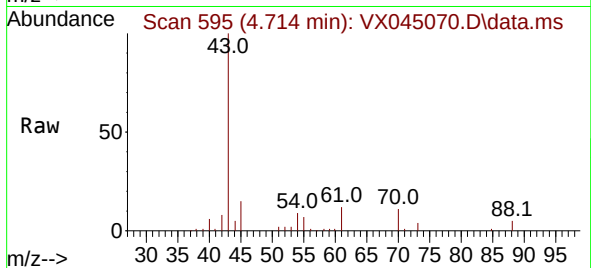
Tgt Ion: 43 Resp: 43097

Ion Ratio Lower Upper

43 100

61 13.4 10.8 16.2

70 10.1 7.7 11.5



#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

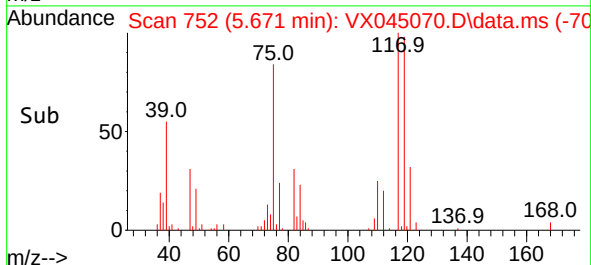
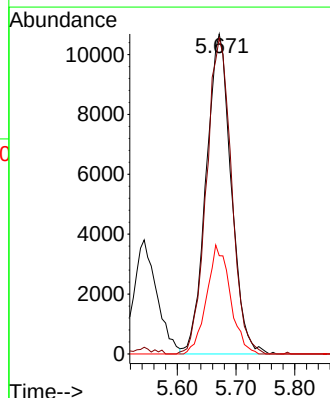
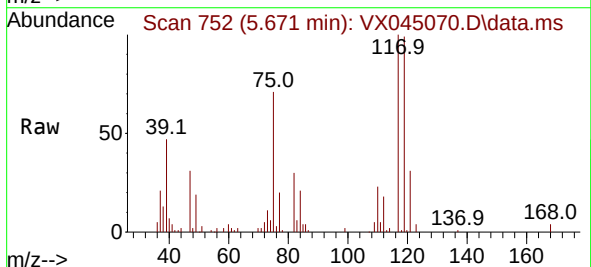
Tgt Ion: 117 Resp: 31694

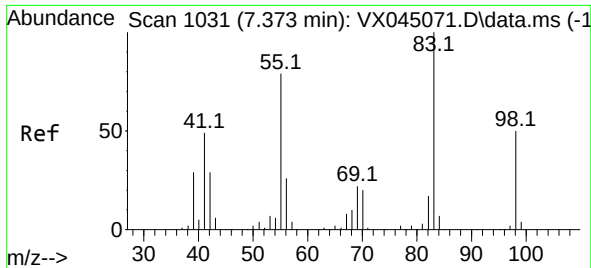
Ion Ratio Lower Upper

117 100

119 98.7 76.7 115.1

121 30.7 25.5 38.3

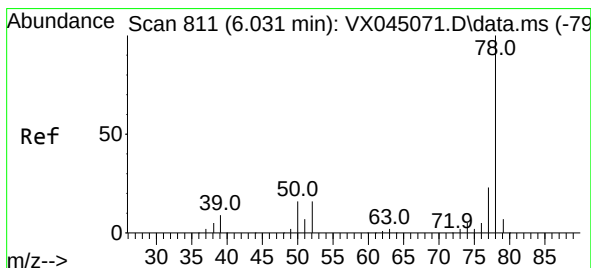
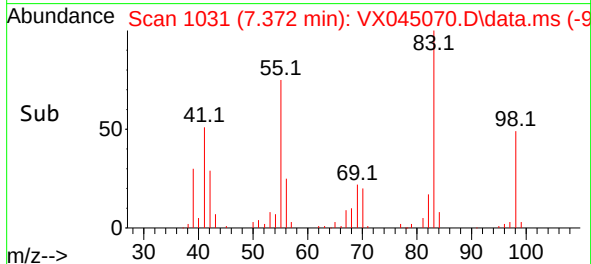
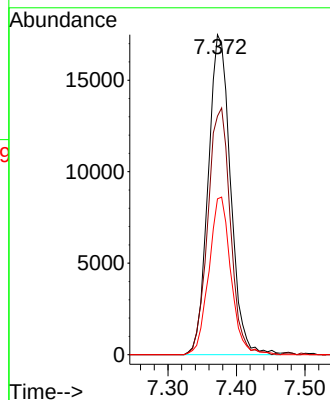
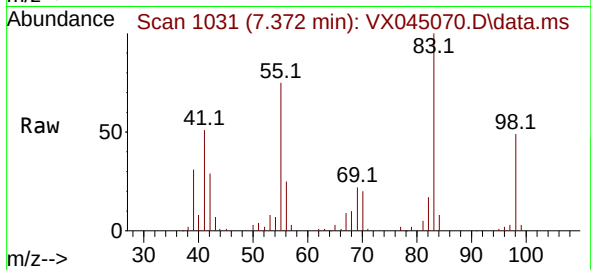




#39
Methylcyclohexane
Concen: 18.676 ug/l
RT: 7.372 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

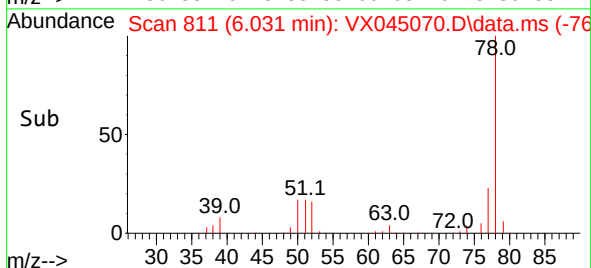
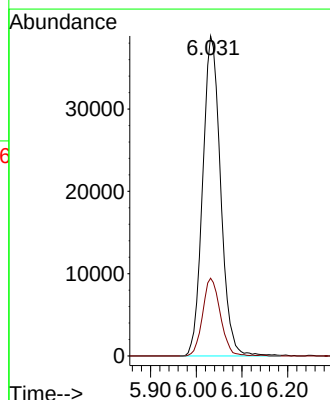
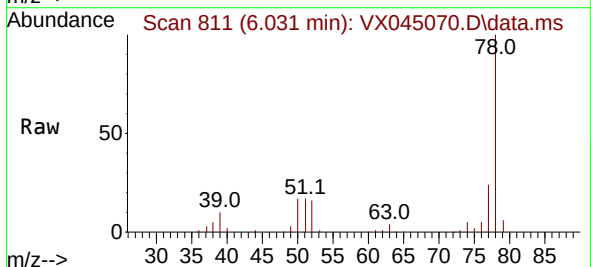
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

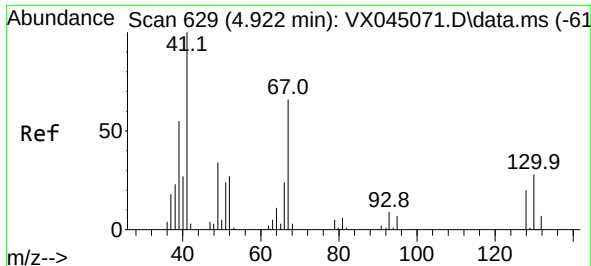
Tgt Ion: 83	Resp:	39769	
Ion	Ratio	Lower	Upper
83	100		
55	74.6	63.0	94.4
98	48.7	39.7	59.5



#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

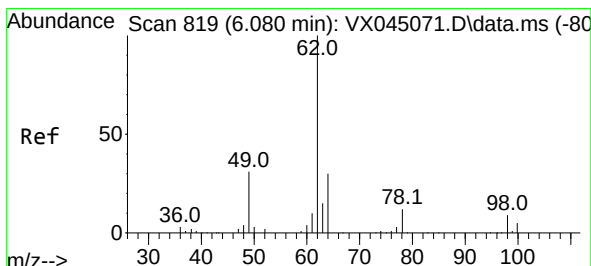
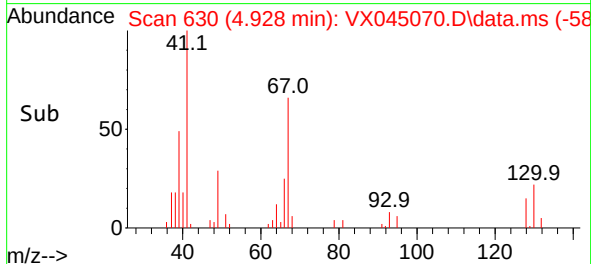
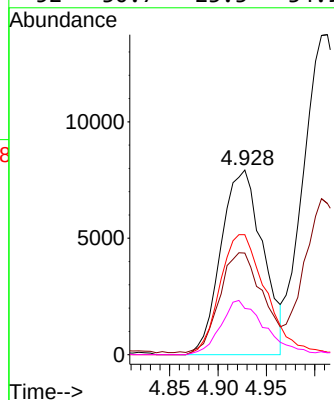
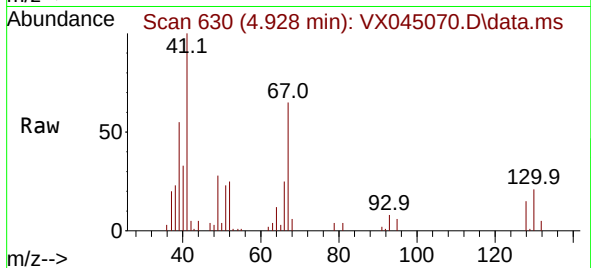




#41
Methacrylonitrile
Concen: 23.605 ug/l
RT: 4.928 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

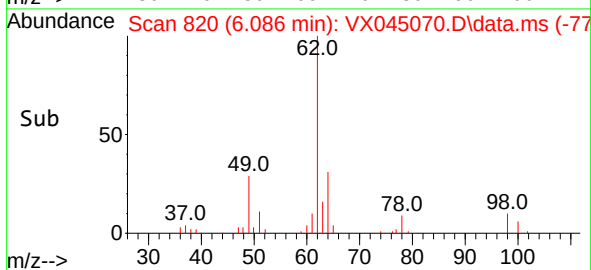
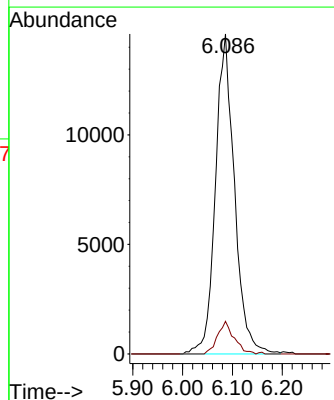
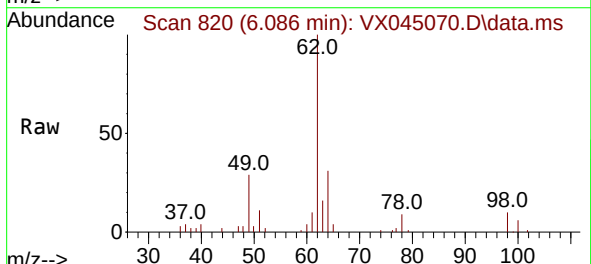
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

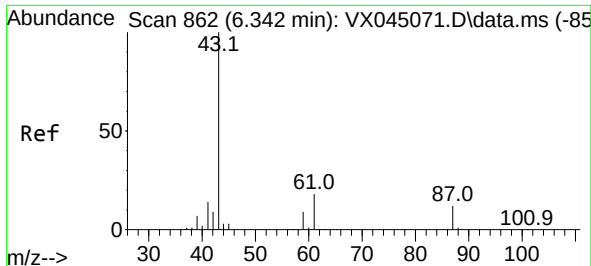
Tgt Ion:	41	Resp:	23924
Ion	Ratio	Lower	Upper
41	100		
39	55.3	44.6	67.0
67	71.6	53.9	80.9
52	30.7	23.3	34.9



#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

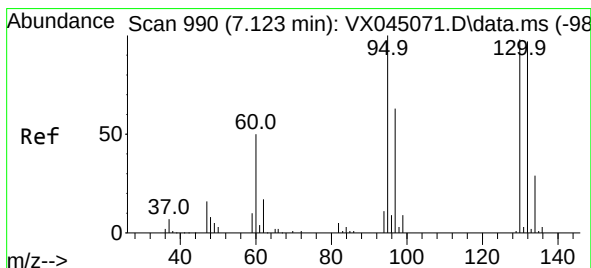
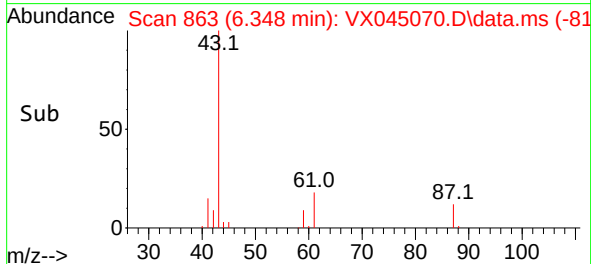
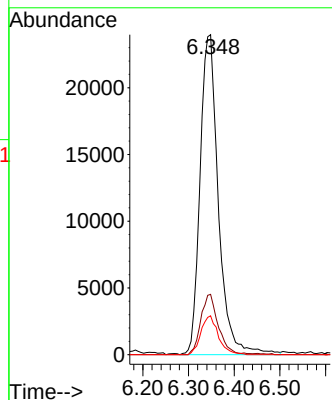
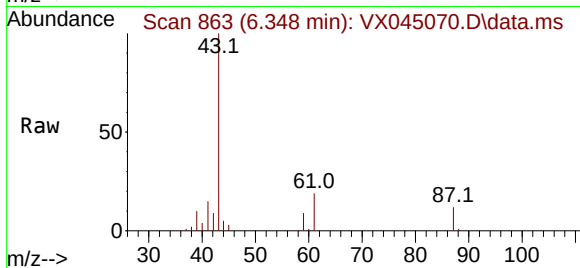




#43
Isopropyl Acetate
Concen: 22.094 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

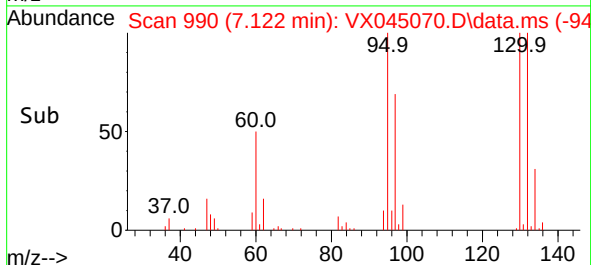
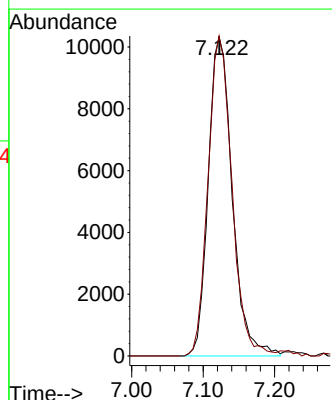
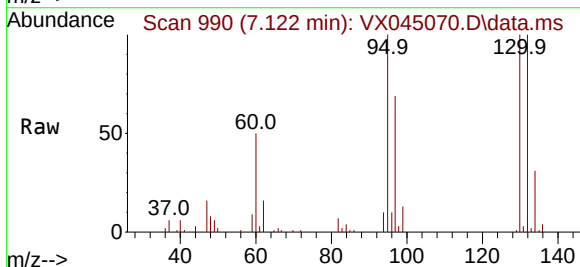
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

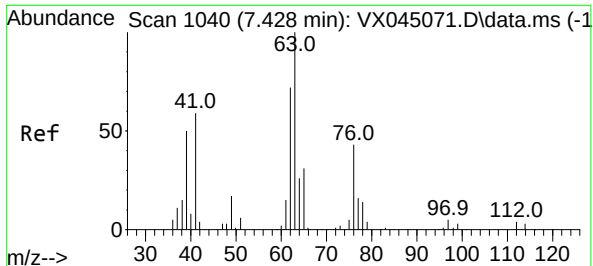
Tgt Ion: 43 Resp: 66727
Ion Ratio Lower Upper
43 100
61 17.8 14.9 22.3
87 11.5 9.4 14.2



#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 :

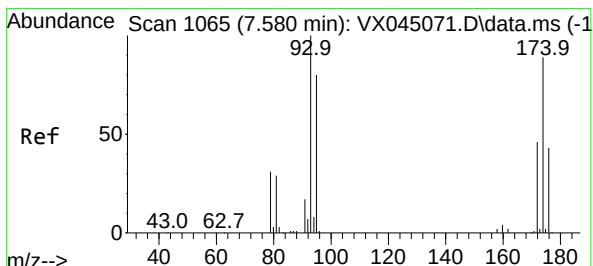
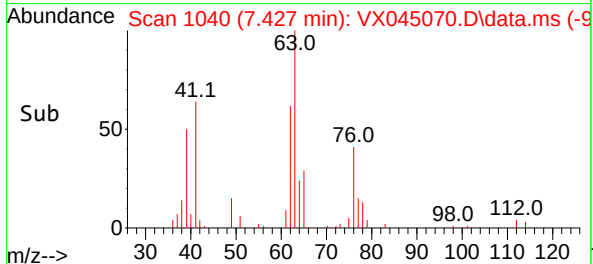
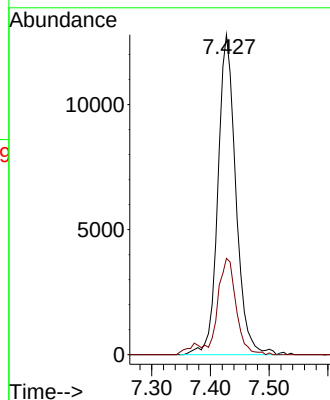
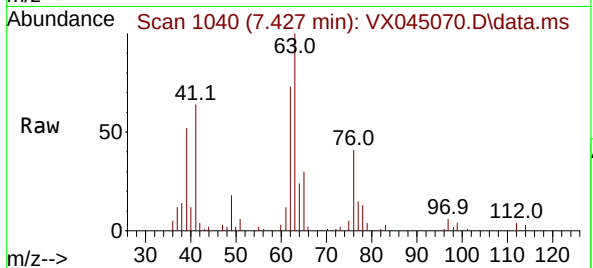
VSTDIC020

Tgt Ion: 63 Resp: 27128

Ion Ratio Lower Upper

63 100

65 30.1 24.7 37.1



#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

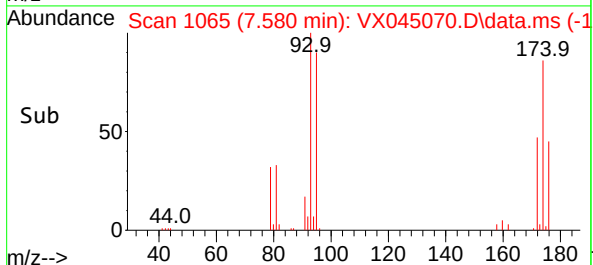
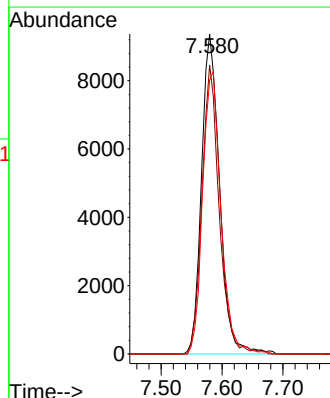
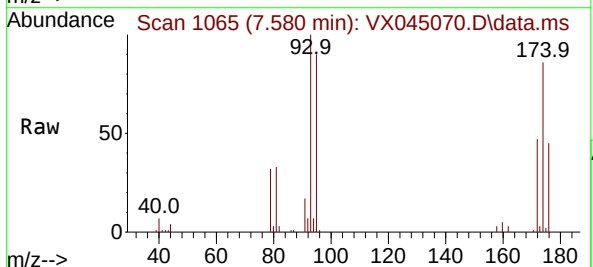
Tgt Ion: 93 Resp: 19323

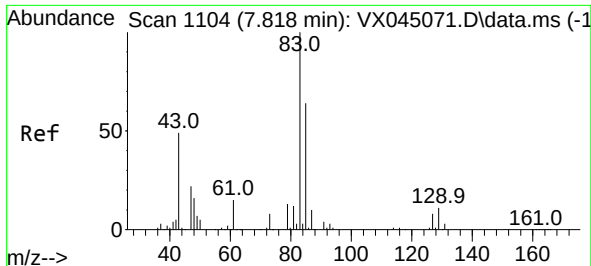
Ion Ratio Lower Upper

93 100

95 86.4 65.8 98.8

174 89.6 72.2 108.2

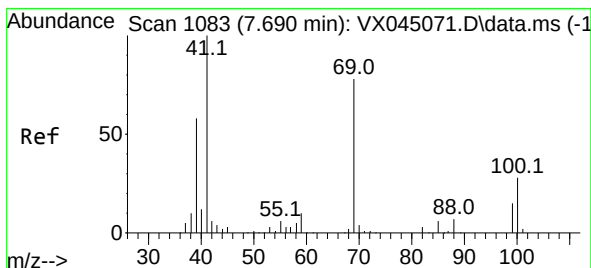
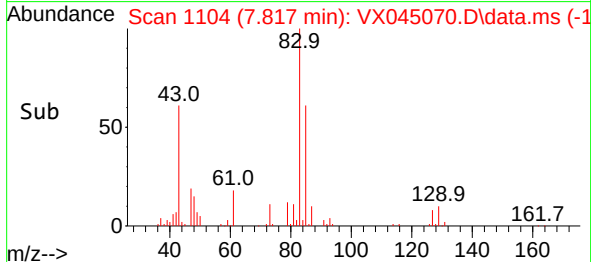
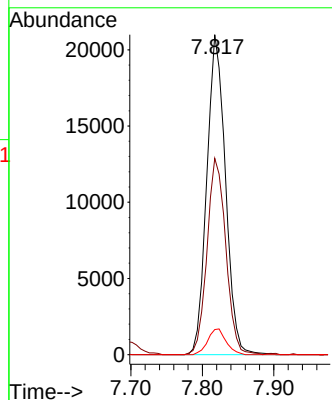
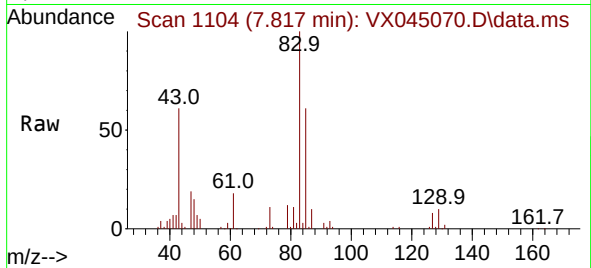




#47
Bromodichloromethane
Concen: 21.732 ug/l
RT: 7.817 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

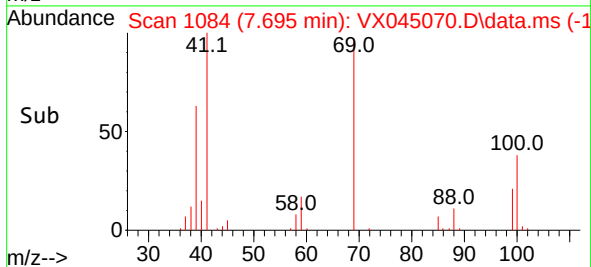
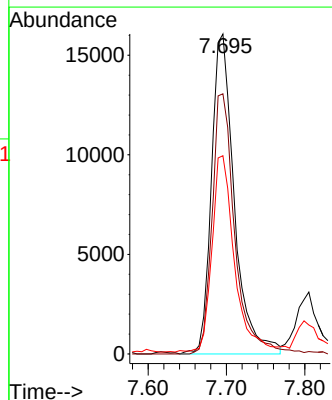
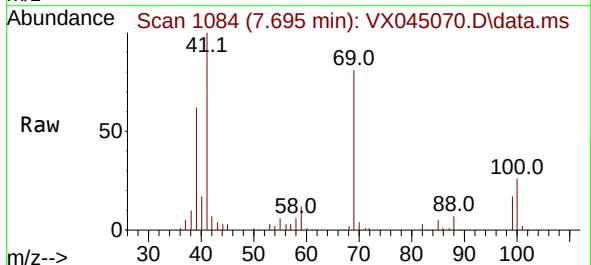
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

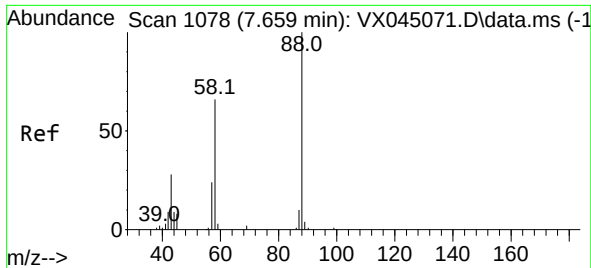
Tgt Ion: 83 Resp: 38038
Ion Ratio Lower Upper
83 100
85 61.3 51.1 76.7
127 7.8 6.4 9.6



#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

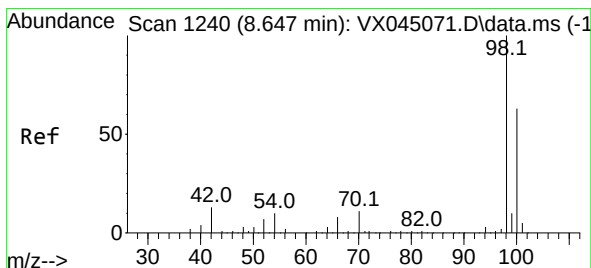
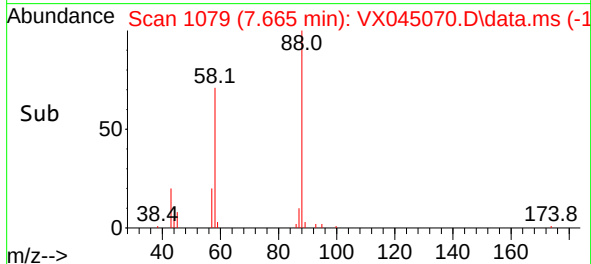
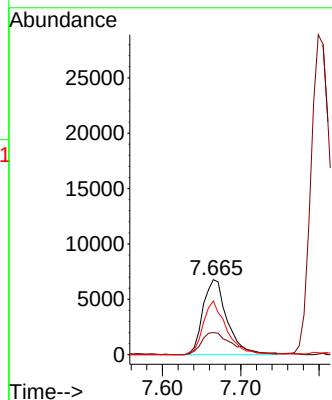
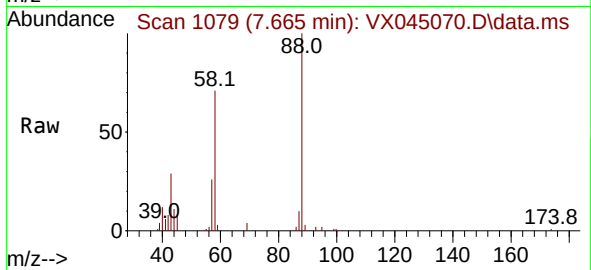




#49
1,4-Dioxane
Concen: 479.170 ug/l
RT: 7.665 min Scan# 1078
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

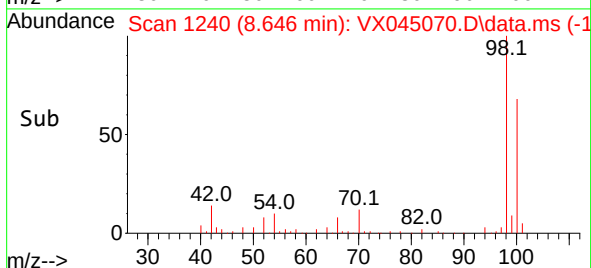
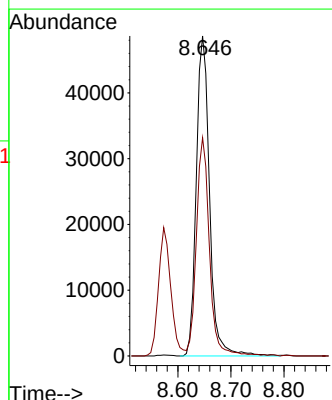
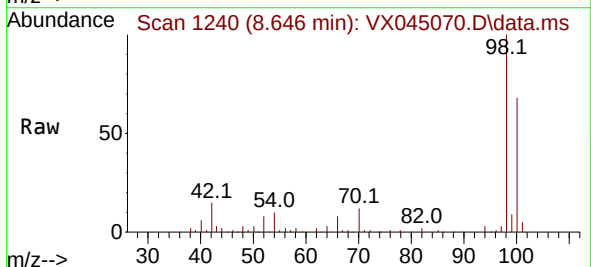
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

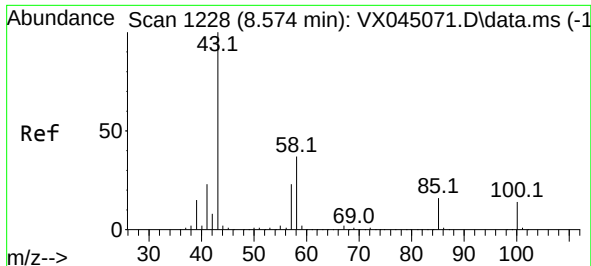
Tgt Ion: 88 Resp: 14602
Ion Ratio Lower Upper
88 100
43 38.7 28.7 43.1
58 68.3 55.8 83.8



#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

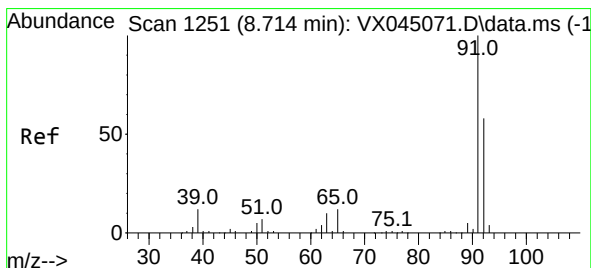
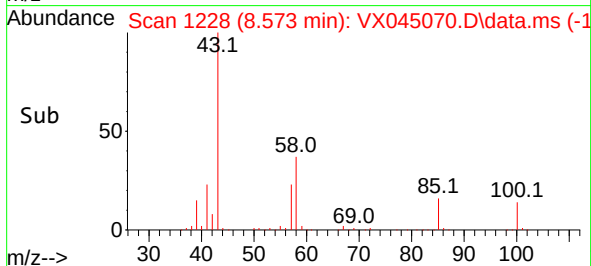
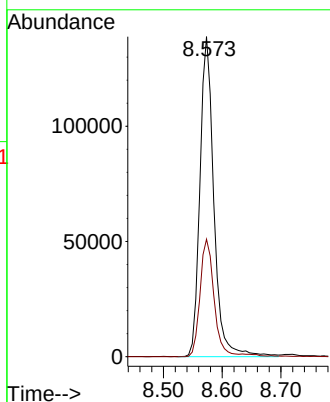
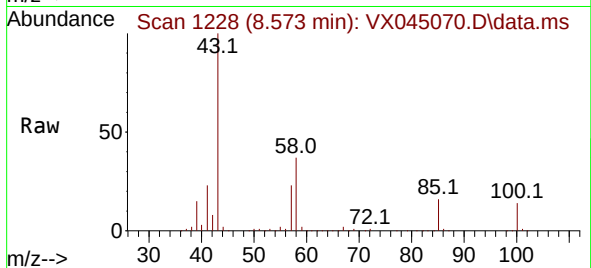




#51
4-Methyl-2-Pentanone
Concen: 124.081 ug/l
RT: 8.573 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

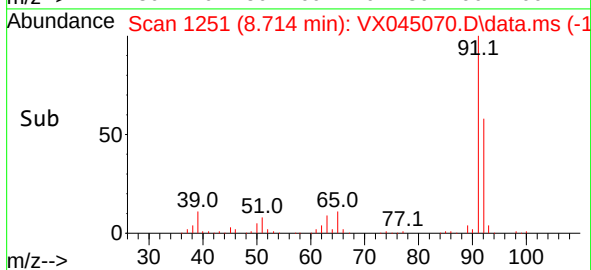
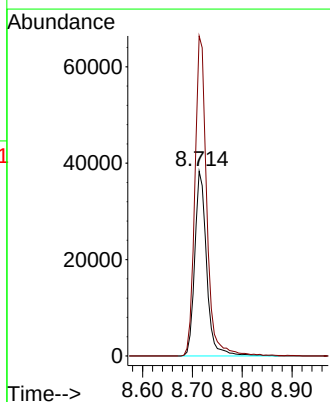
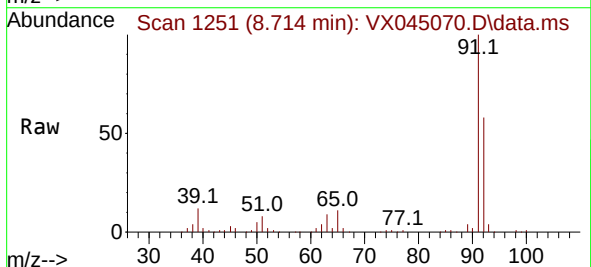
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

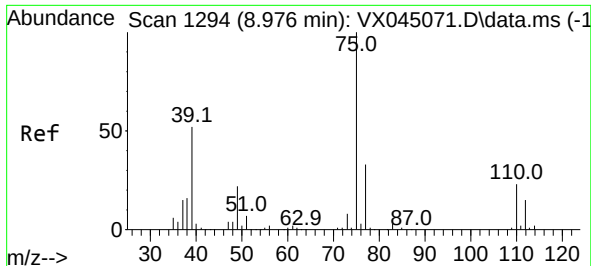
Tgt Ion: 43 Resp: 229615
Ion Ratio Lower Upper
43 100
58 37.5 29.2 43.8



#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 :

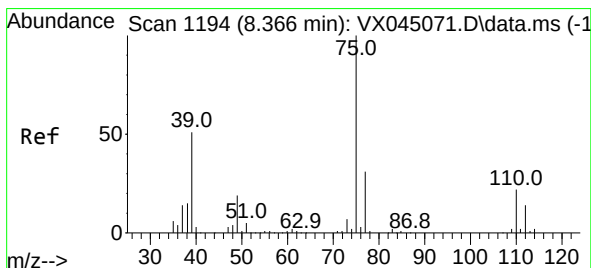
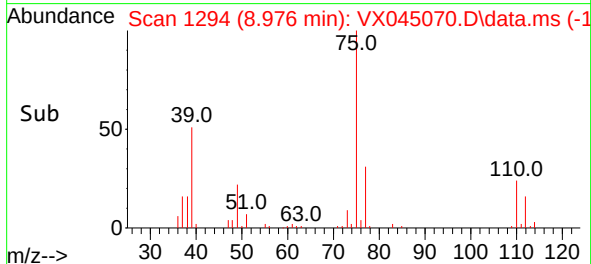
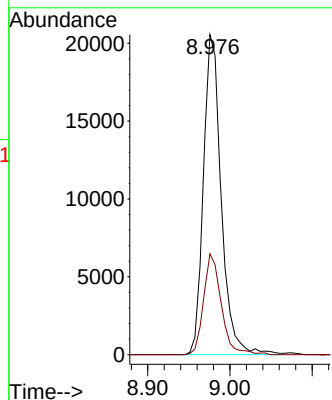
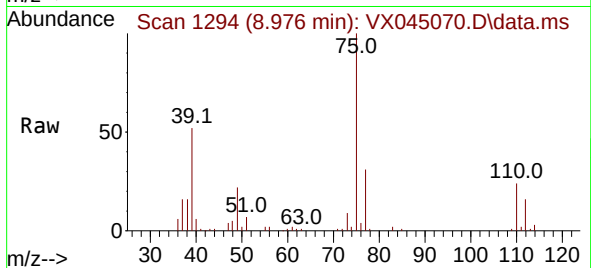
VSTDICC020

Tgt Ion: 75 Resp: 30917

Ion Ratio Lower Upper

75 100

77 31.5 26.5 39.7



#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

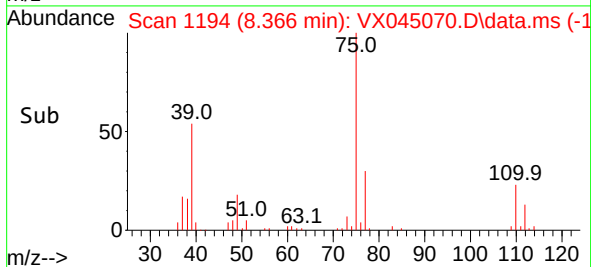
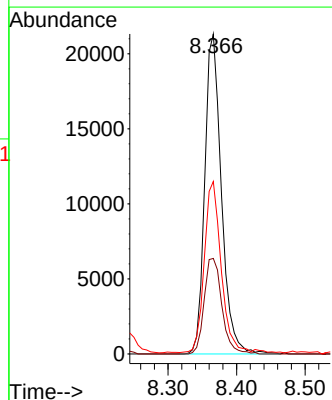
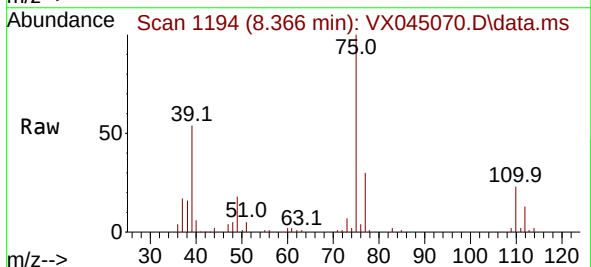
Tgt Ion: 75 Resp: 36118

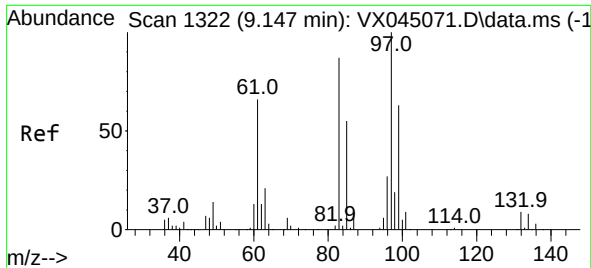
Ion Ratio Lower Upper

75 100

77 29.9 24.7 37.1

39 53.5 40.7 61.1

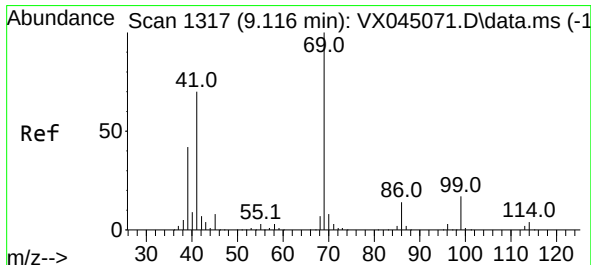
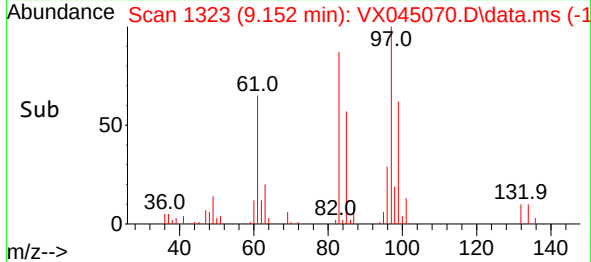
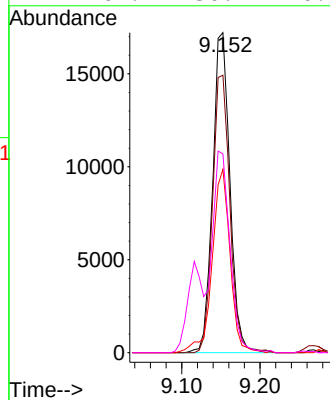
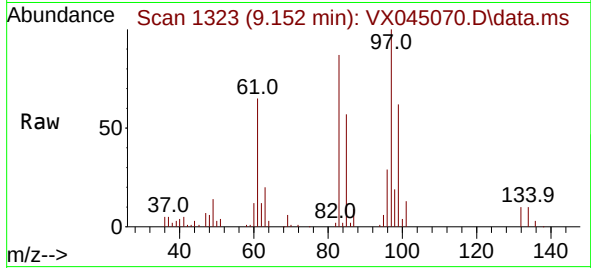




#55
 1,1,2-Trichloroethane
 Concen: 21.992 ug/l
 RT: 9.152 min Scan# 1323
 Delta R.T. 0.006 min
 Lab File: VX045070.D
 Acq: 28 Feb 2025 02:37

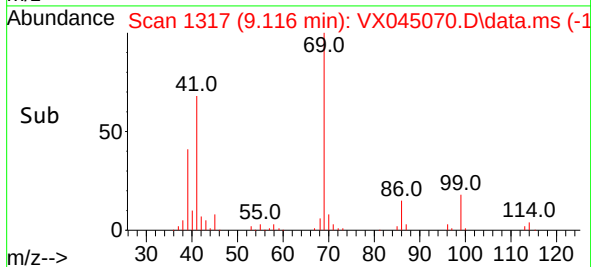
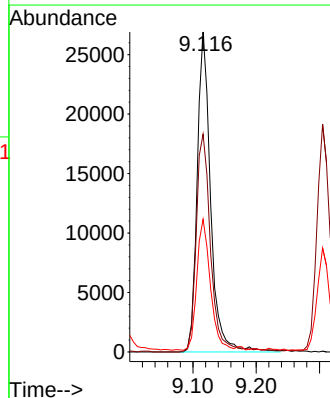
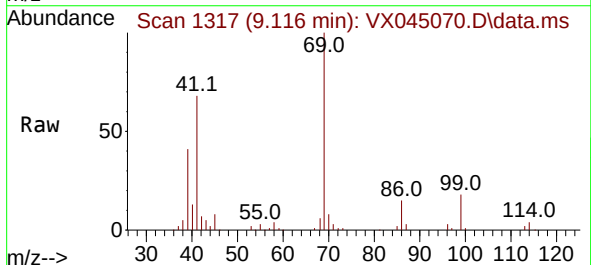
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

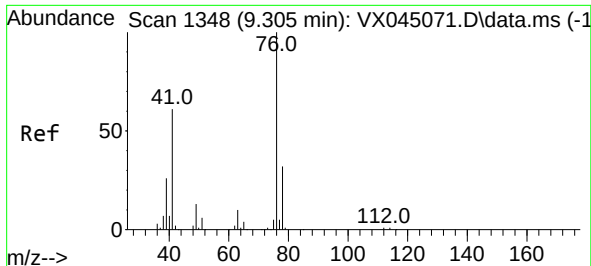
Tgt Ion:	97	Resp:	26358
Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.4	104.2
85	57.3	44.1	66.1
99	62.1	50.7	76.1



#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 :

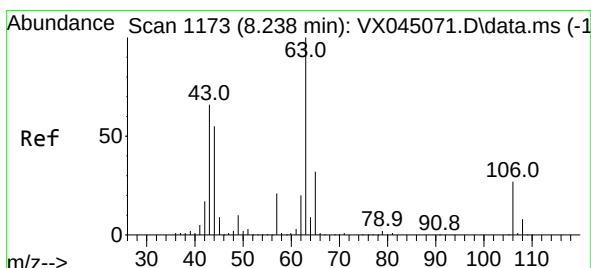
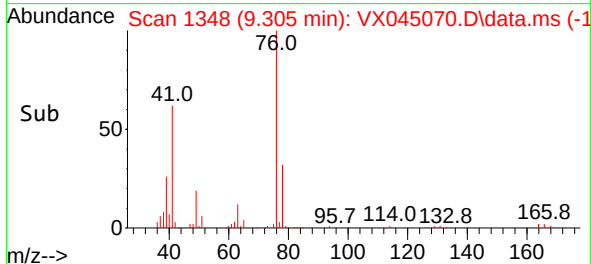
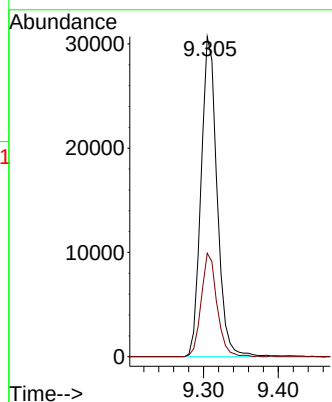
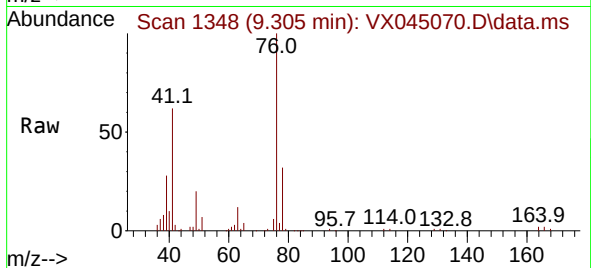
VSTDICC020

Tgt Ion: 76 Resp: 45644

Ion Ratio Lower Upper

76 100

78 31.9 25.5 38.3



#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

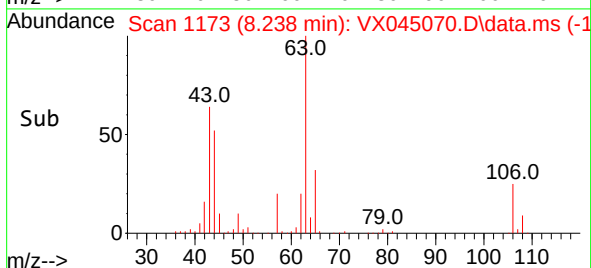
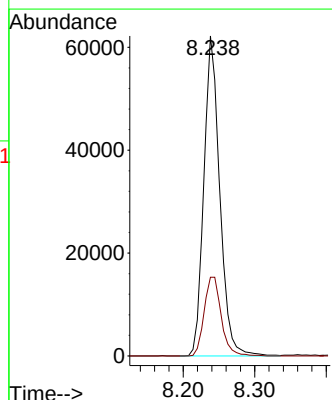
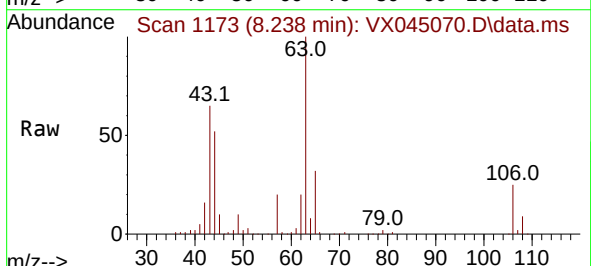
Acq: 28 Feb 2025 02:37

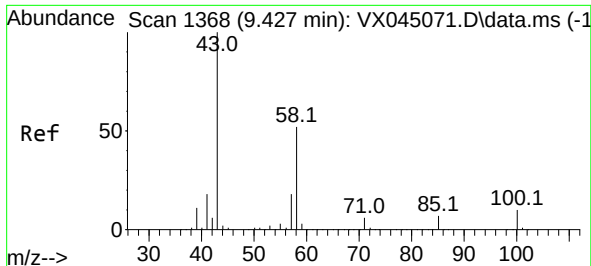
Tgt Ion: 63 Resp: 96311

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 :

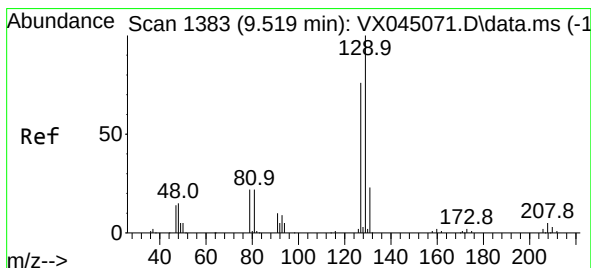
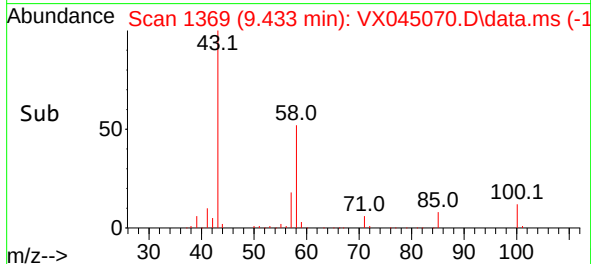
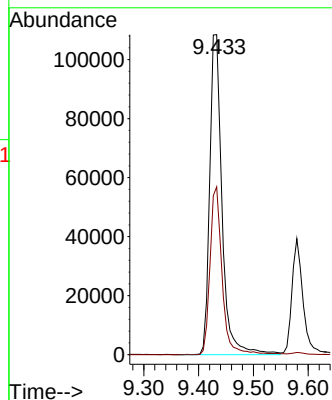
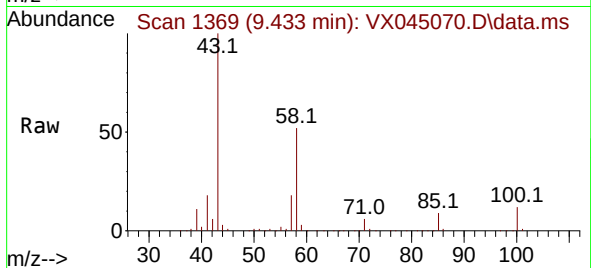
VSTDIC020

Tgt Ion: 43 Resp: 168768

Ion Ratio Lower Upper

43 100

58 51.6 25.9 77.6



#60

Dibromochloromethane

Concen: 21.668 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX045070.D

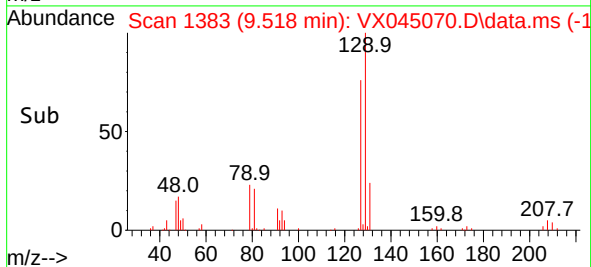
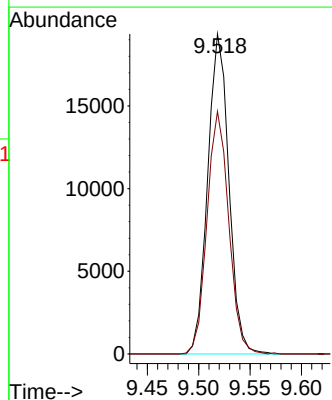
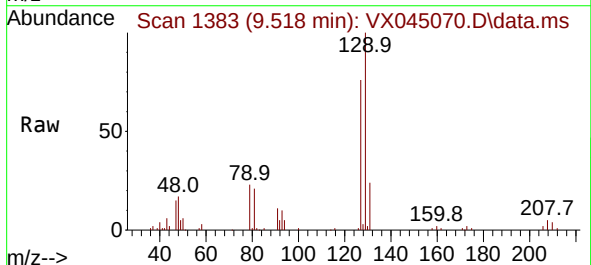
Acq: 28 Feb 2025 02:37

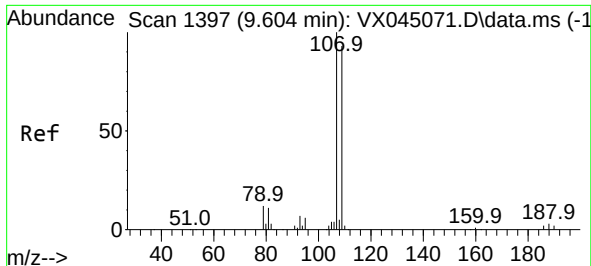
Tgt Ion: 129 Resp: 27705

Ion Ratio Lower Upper

129 100

127 77.8 38.5 115.5

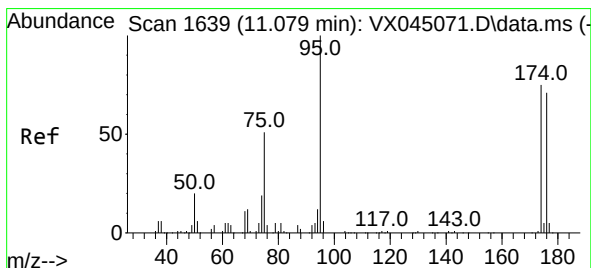
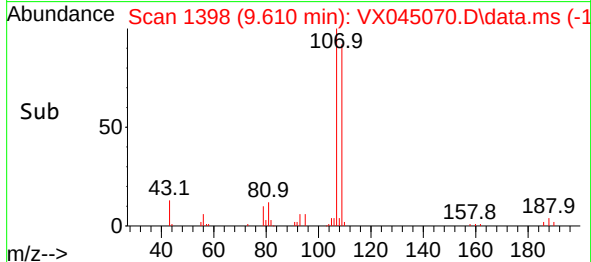
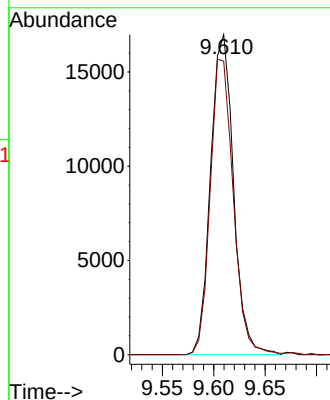
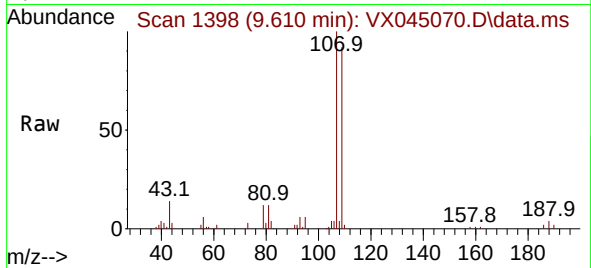




#61
1,2-Dibromoethane
Concen: 21.764 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

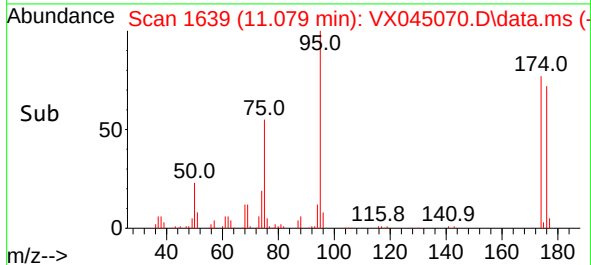
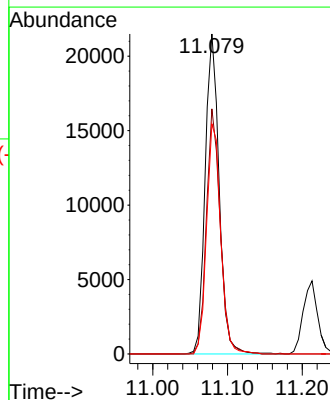
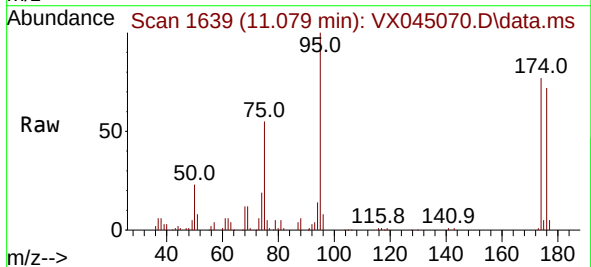
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

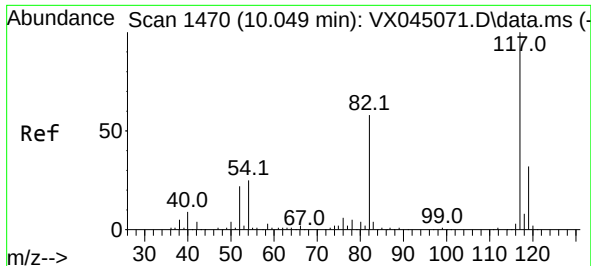
Tgt Ion:107 Resp: 26311
Ion Ratio Lower Upper
107 100
109 93.3 76.1 114.1



#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

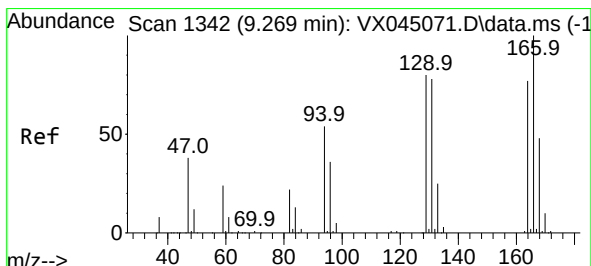
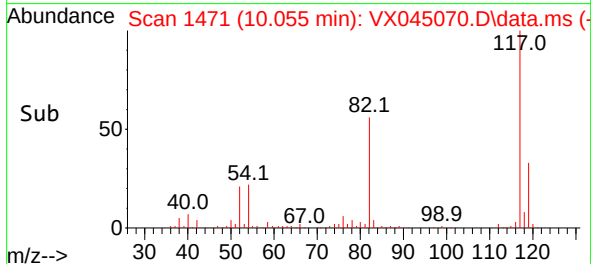
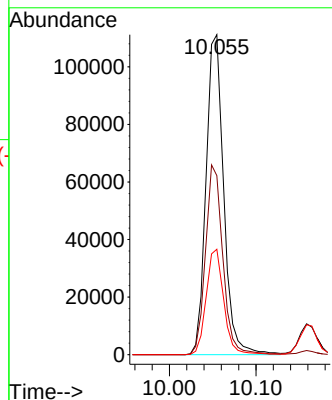
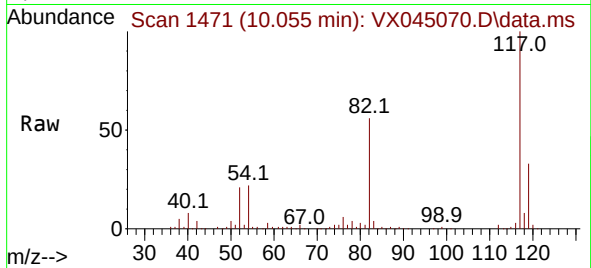




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

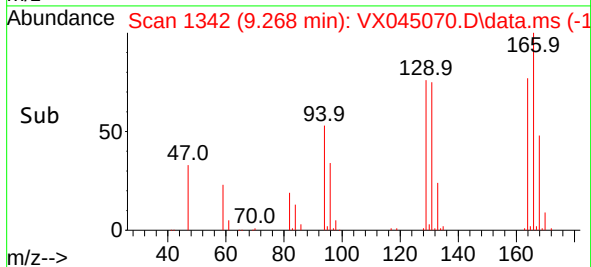
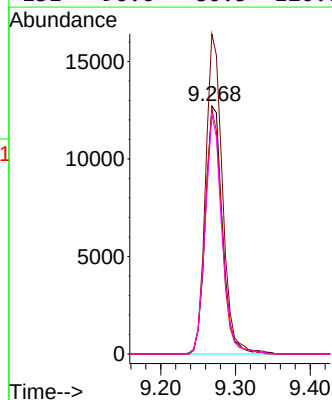
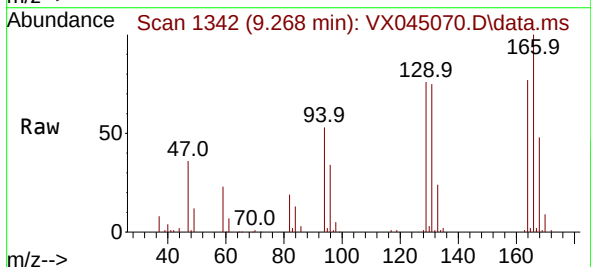
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

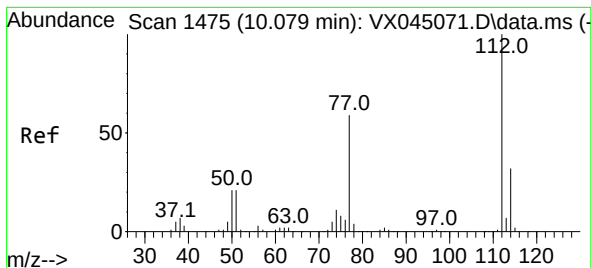
Tgt Ion:117 Resp: 157714
Ion Ratio Lower Upper
117 100
82 55.9 46.3 69.5
119 33.0 25.7 38.5



#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

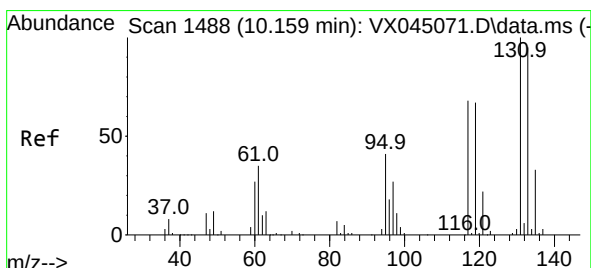
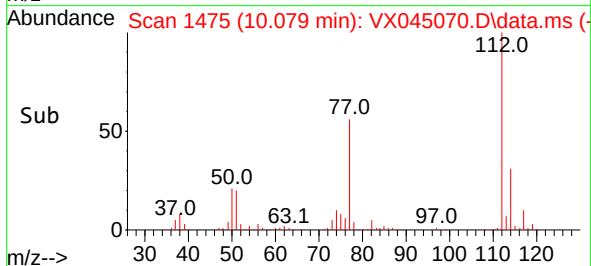
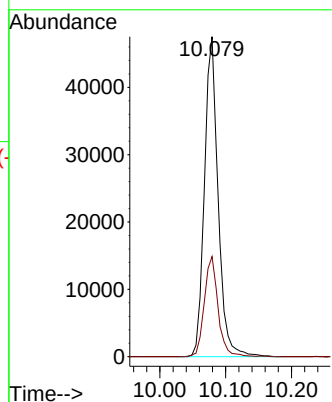
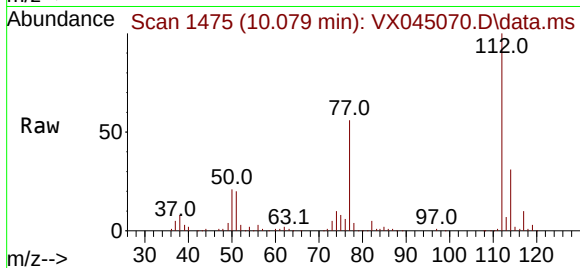




#65
Chlorobenzene
Concen: 20.316 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

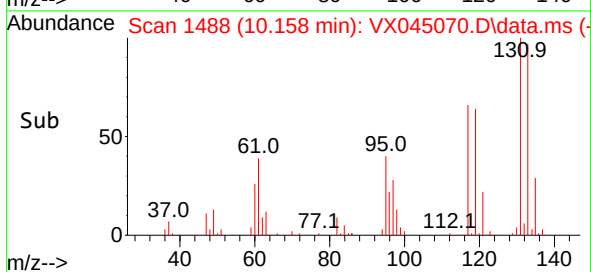
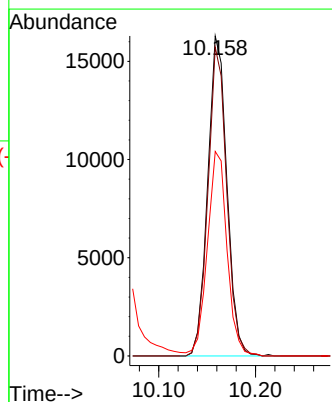
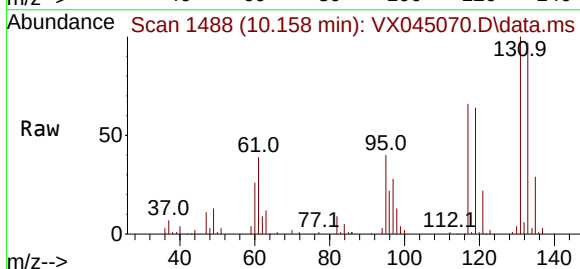
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

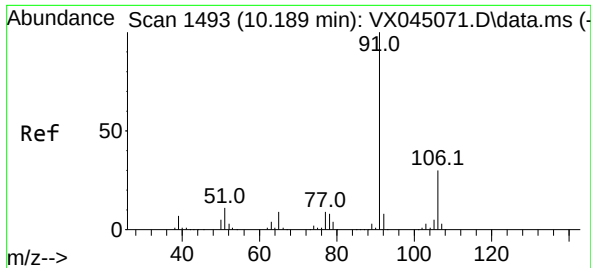
Tgt Ion:112 Resp: 68777
Ion Ratio Lower Upper
112 100
114 31.3 26.0 39.0



#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

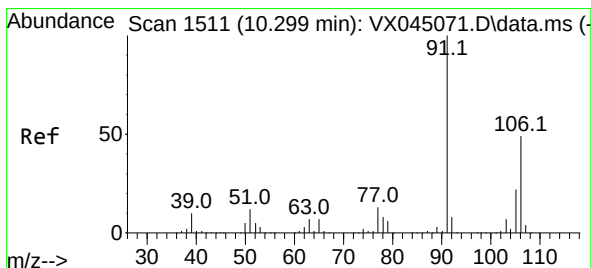
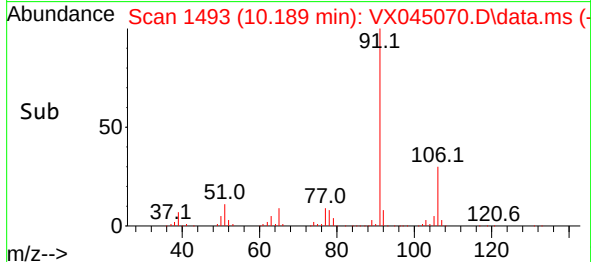
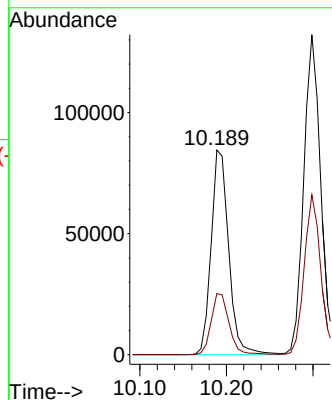
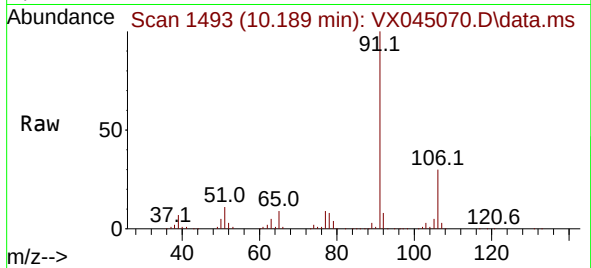




#67
Ethyl Benzene
Concen: 19.905 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

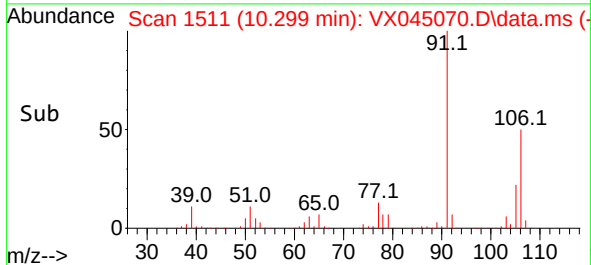
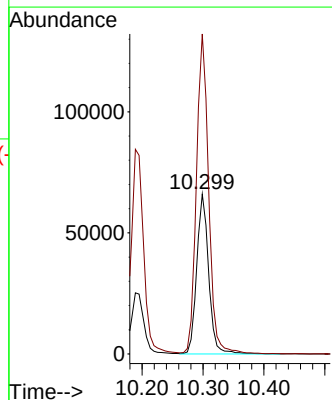
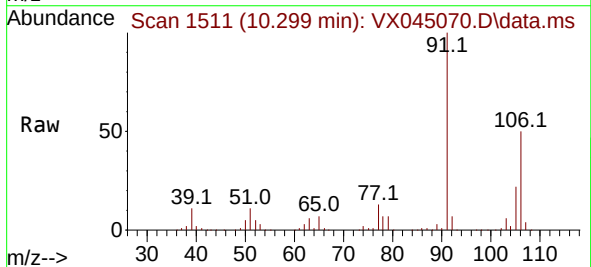
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

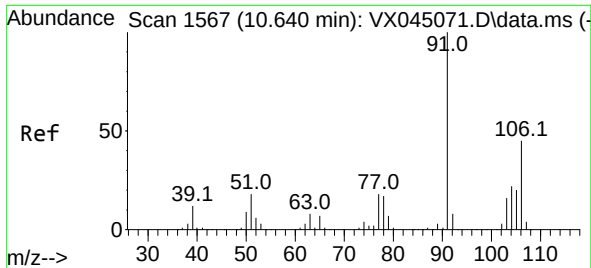
Tgt Ion: 91 Resp: 119165
Ion Ratio Lower Upper
91 100
106 29.9 23.9 35.9



#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

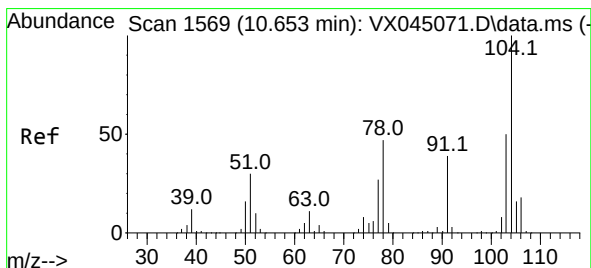
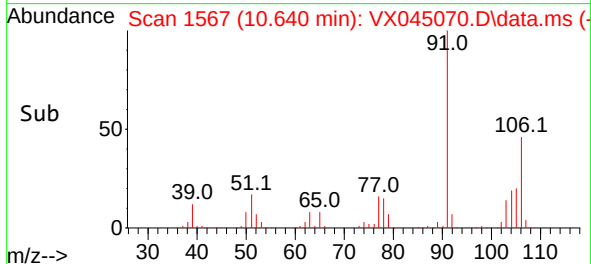
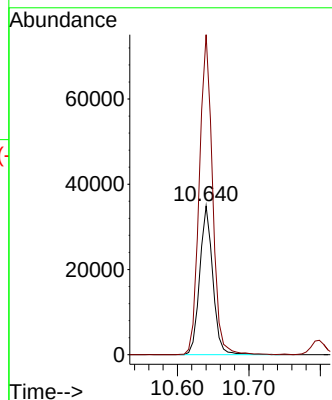
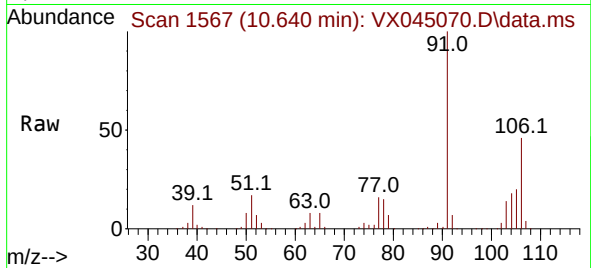




#69
o-Xylene
Concen: 20.018 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

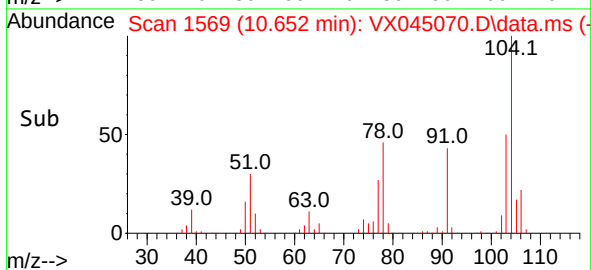
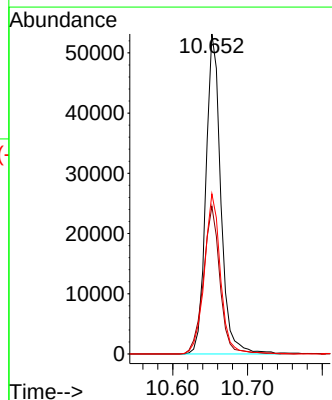
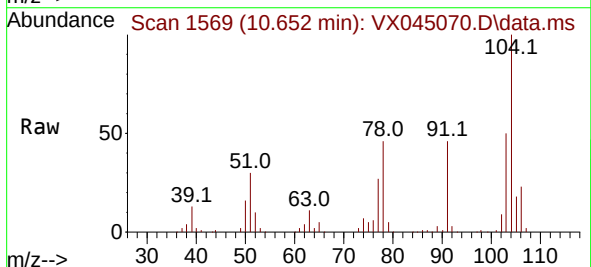
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

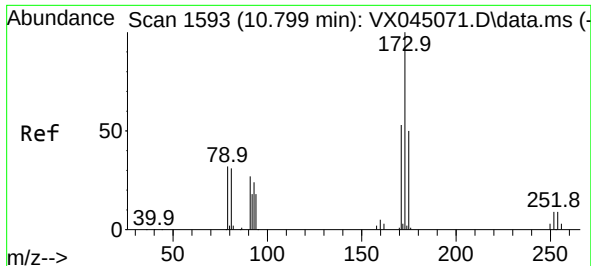
Tgt Ion:106 Resp: 44281
Ion Ratio Lower Upper
106 100
91 216.8 109.9 329.6



#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

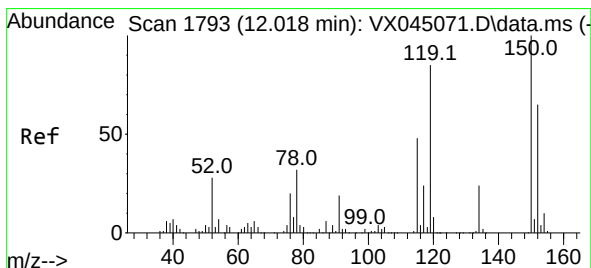
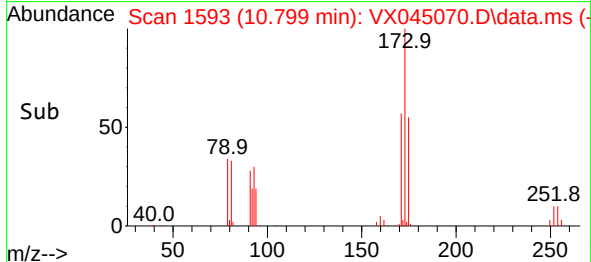
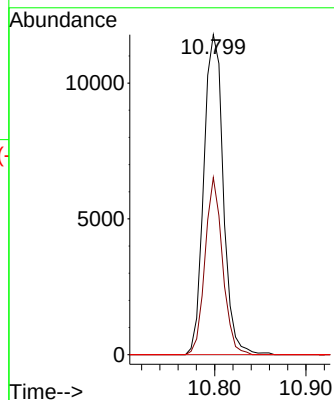
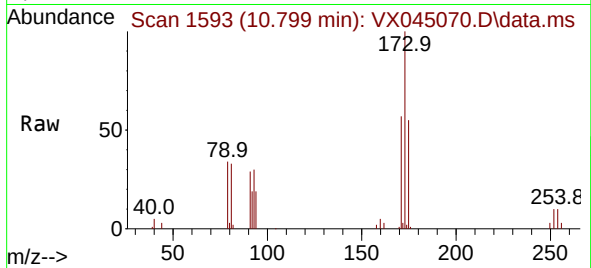




#71
Bromoform
Concen: 21.449 ug/l
RT: 10.799 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

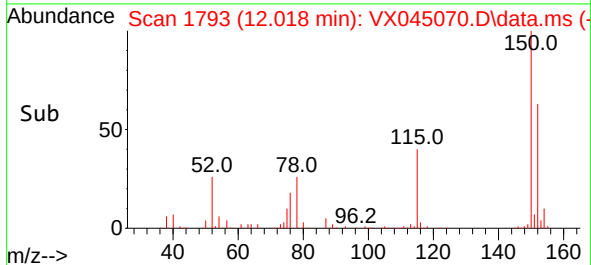
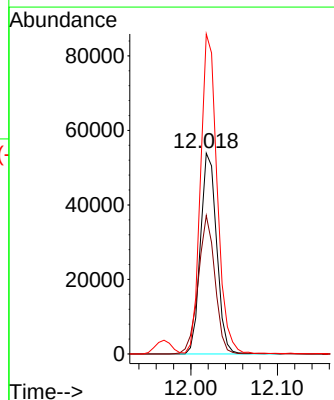
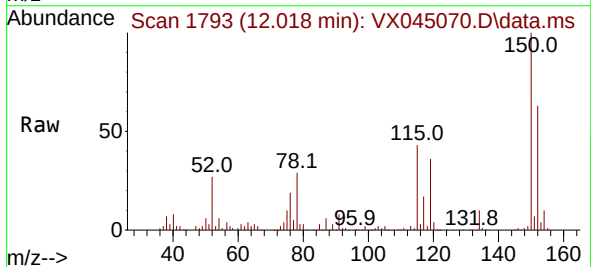
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

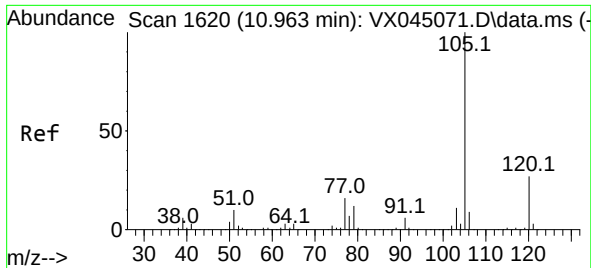
Tgt Ion:173 Resp: 17403
Ion Ratio Lower Upper
173 100
175 49.7 24.6 73.6
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: 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

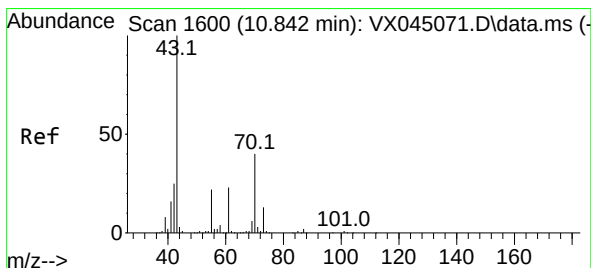
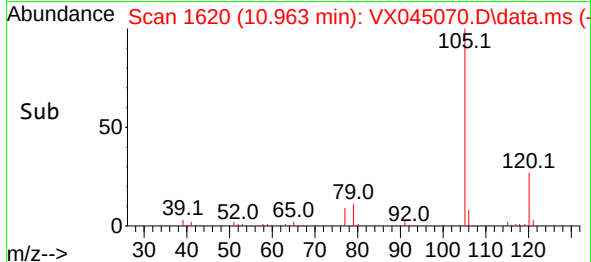
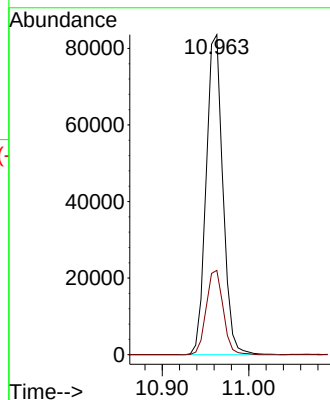
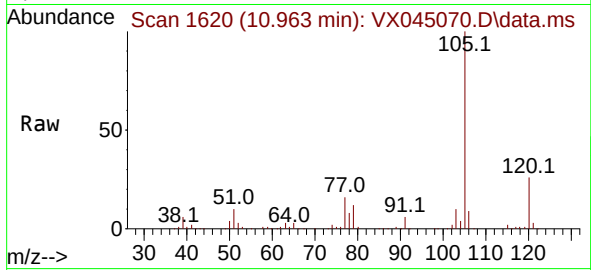




#73
Isopropylbenzene
Concen: 19.794 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

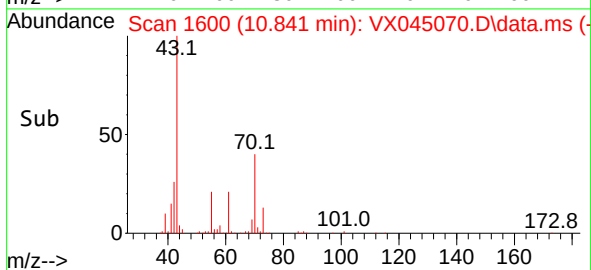
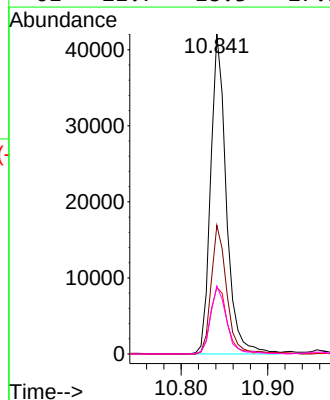
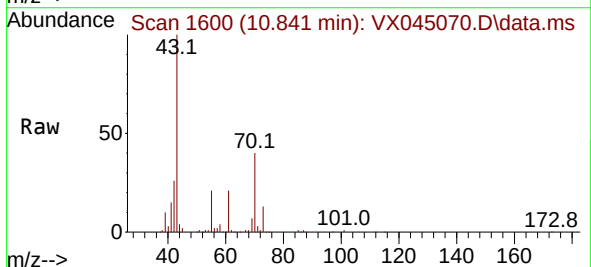
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

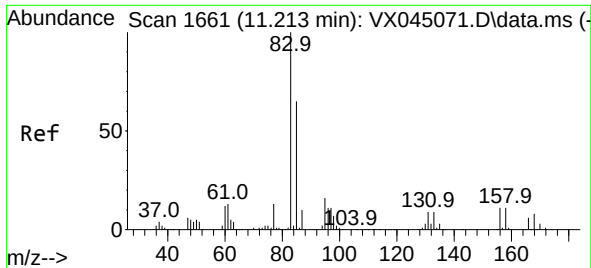
Tgt Ion:105 Resp: 112099
Ion Ratio Lower Upper
105 100
120 26.7 13.2 39.5



#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

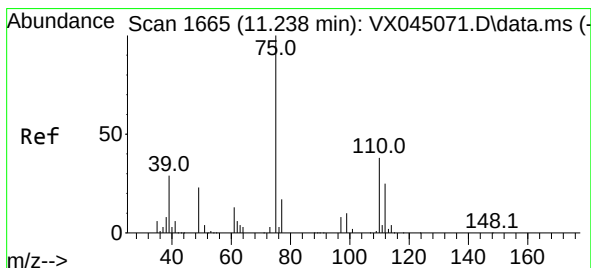
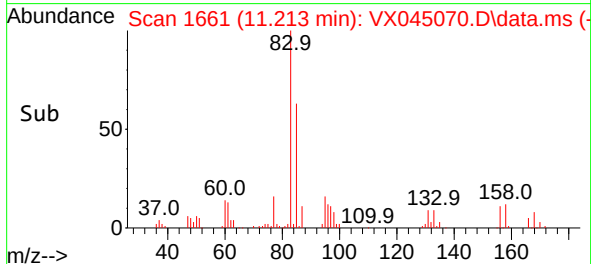
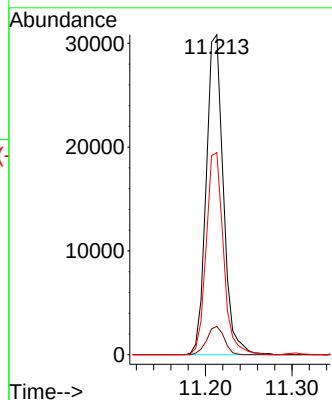
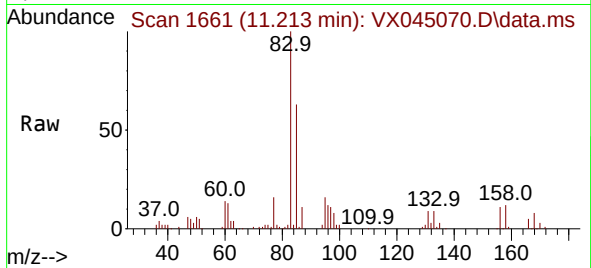




#75
1,1,2,2-Tetrachloroethane
Concen: 21.738 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

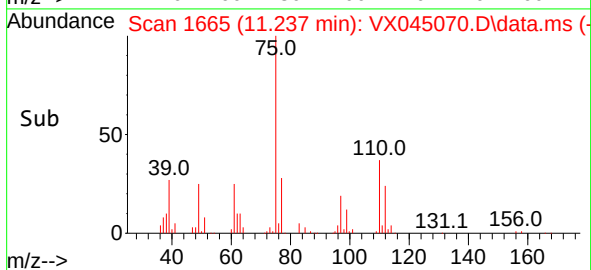
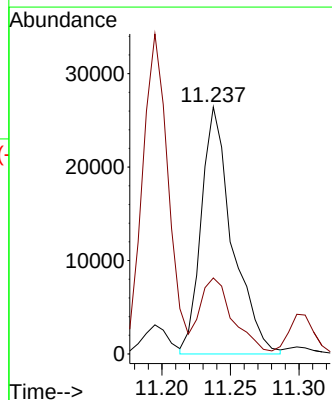
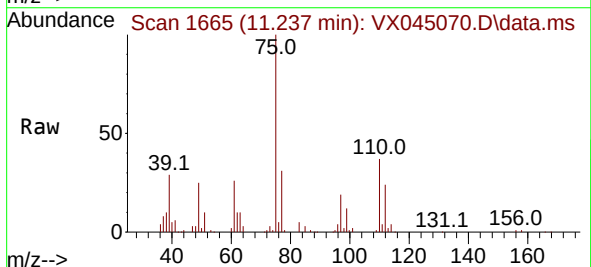
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

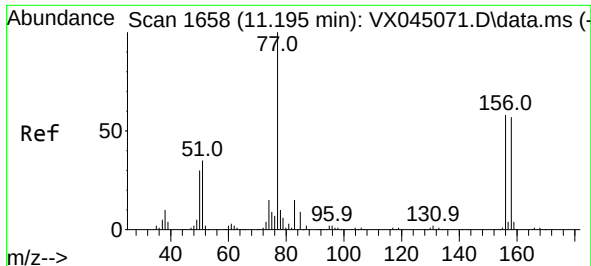
Tgt Ion: 83 Resp: 42413
Ion Ratio Lower Upper
83 100
131 9.0 4.5 13.4
85 63.4 31.7 95.1



#76
1,2,3-Trichloropropane
Concen: 26.713 ug/l
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: 41754
Ion Ratio Lower Upper
75 100
77 32.5 20.7 62.1

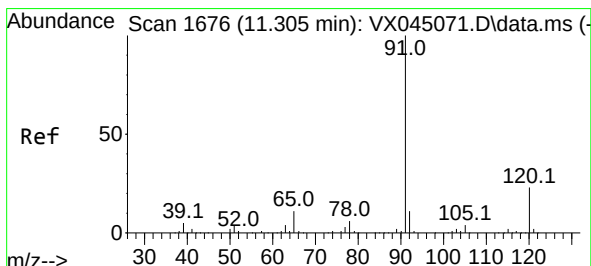
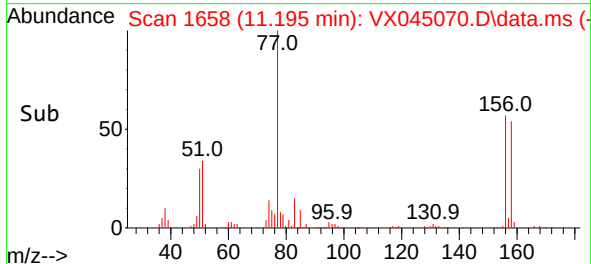
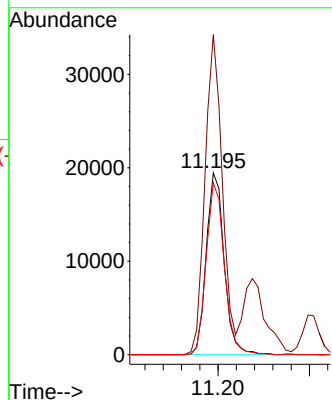
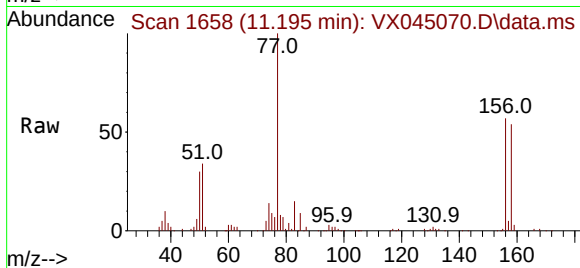




#77
Bromobenzene
Concen: 20.466 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

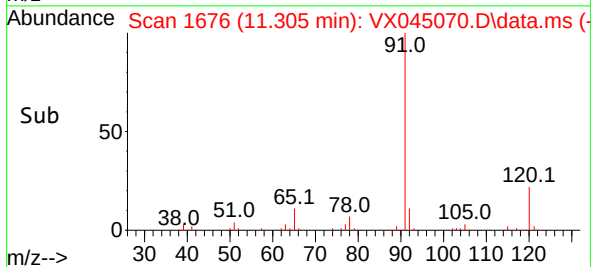
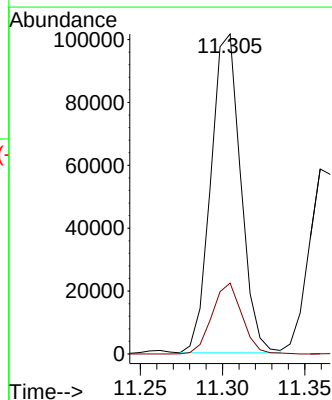
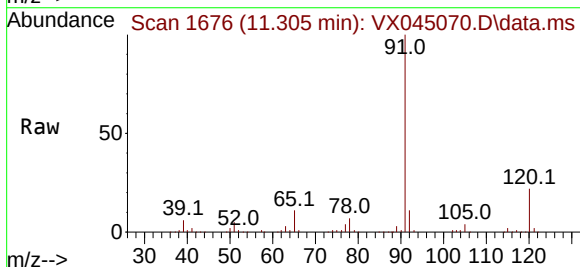
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

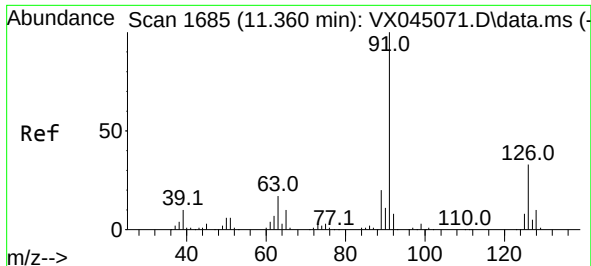
Tgt Ion:156 Resp: 26310
Ion Ratio Lower Upper
156 100
77 170.2 85.8 257.4
158 95.9 48.4 145.2



#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

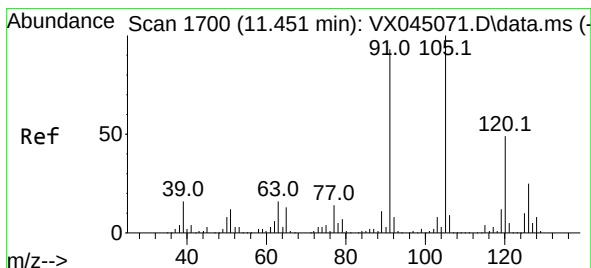
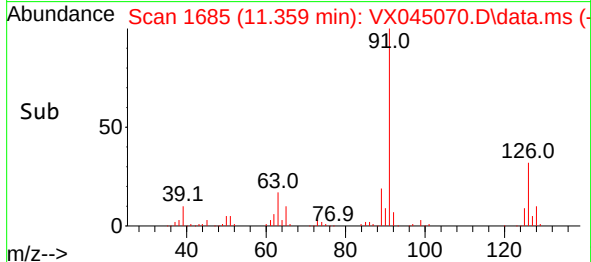
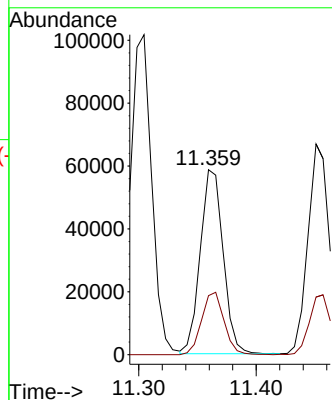
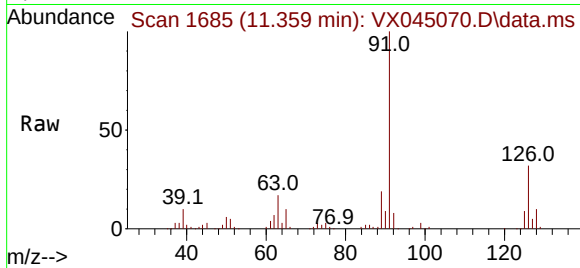




#79
2-Chlorotoluene
Concen: 19.775 ug/l
RT: 11.359 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

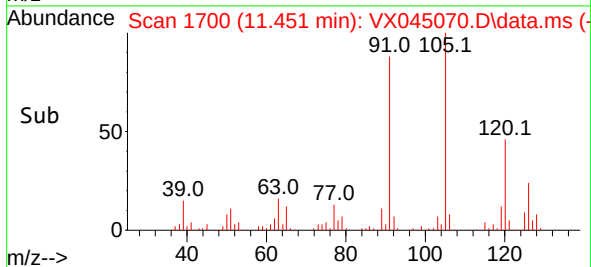
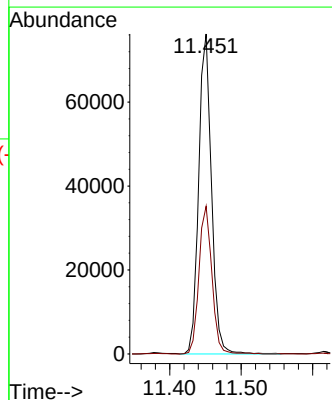
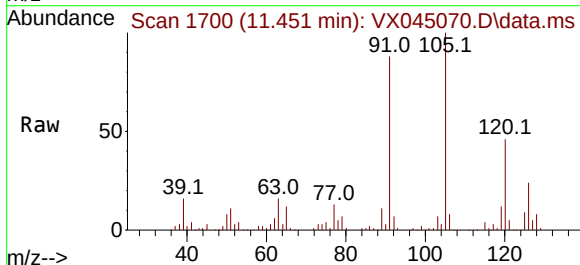
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

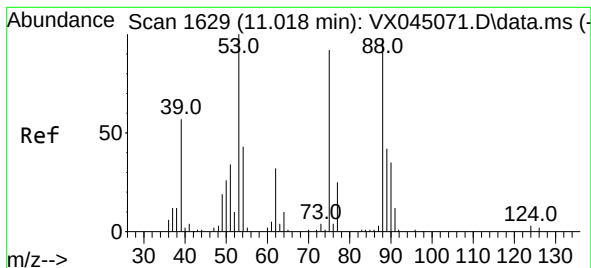
Tgt Ion: 91 Resp: 79275
Ion Ratio Lower Upper
91 100
126 33.1 16.4 49.4



#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

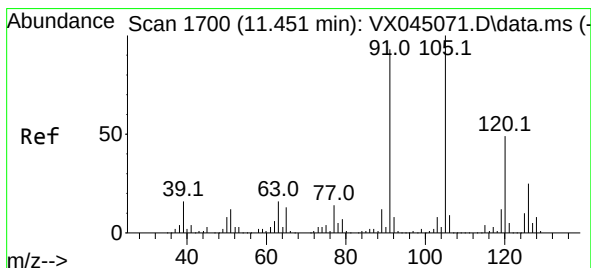
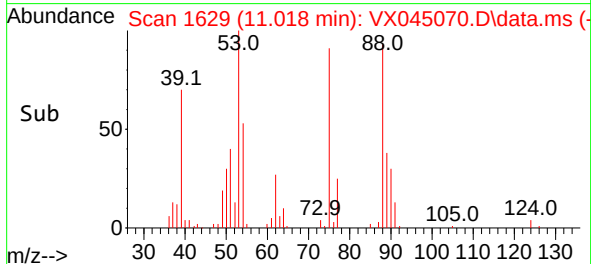
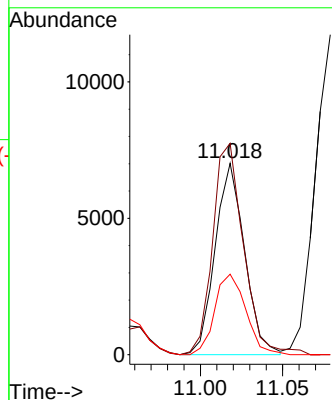
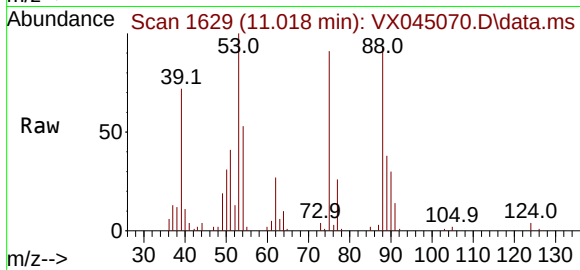




#81
 trans-1,4-Dichloro-2-butene
 Concen: 15.196 ug/l
 RT: 11.018 min Scan# 1629
 Delta R.T. -0.000 min
 Lab File: VX045070.D
 Acq: 28 Feb 2025 02:37

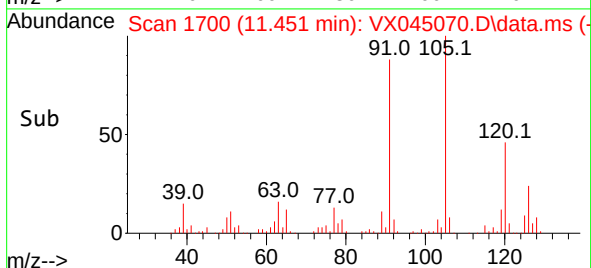
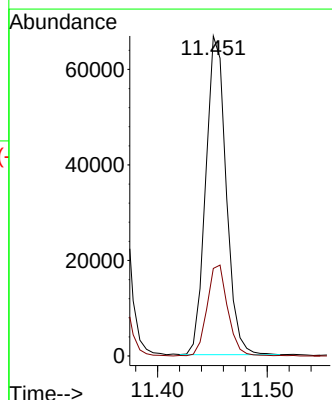
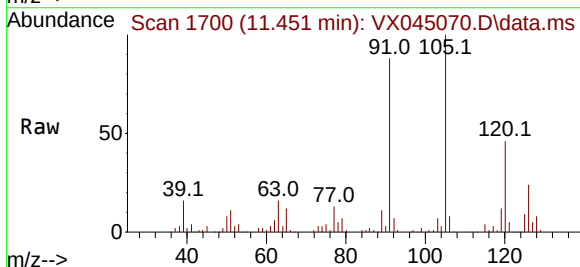
Instrument :
 MSVOA_X
 ClientSampleId :
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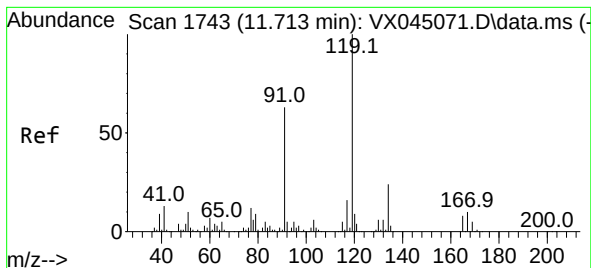
Tgt Ion:	75	Resp:	8759
Ion	Ratio	Lower	Upper
75	100		
53	115.4	88.5	132.7
89	44.3	36.2	54.4



#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

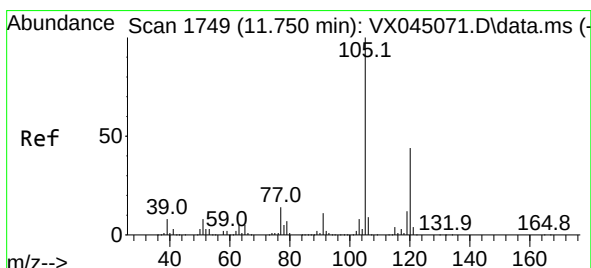
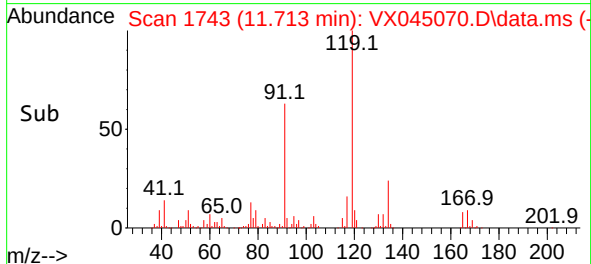
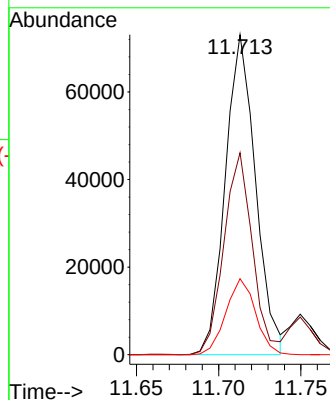
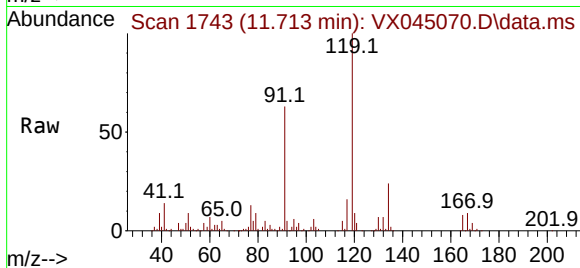




#83
tert-Butylbenzene
Concen: 20.159 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

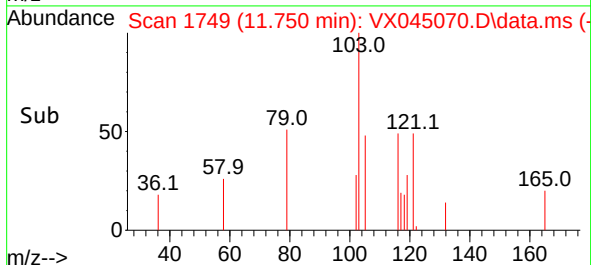
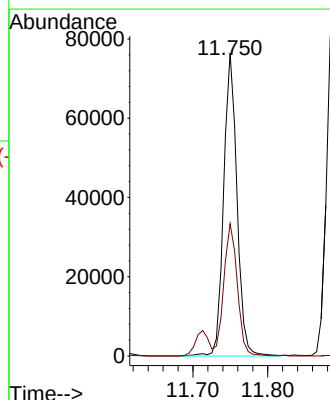
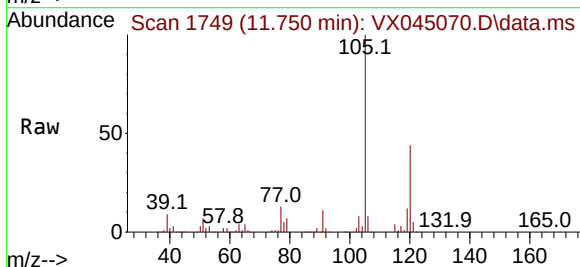
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

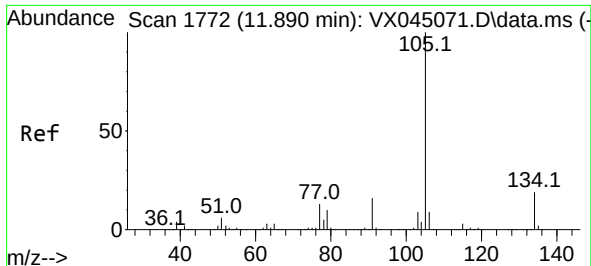
Tgt Ion:119 Resp: 93670
Ion Ratio Lower Upper
119 100
91 60.0 30.7 92.1
134 23.4 11.7 35.0



#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

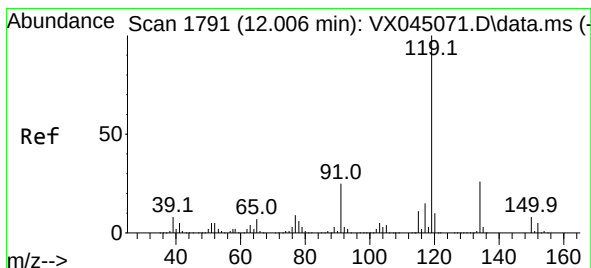
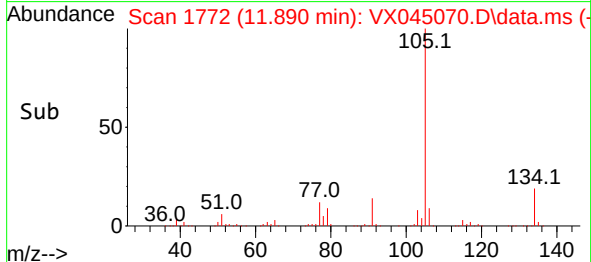
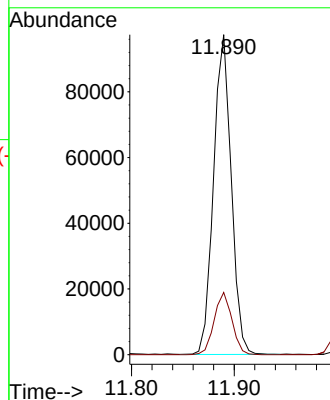
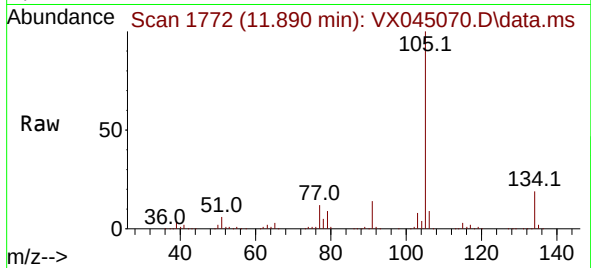




#85
 sec-Butylbenzene
 Concen: 20.160 ug/l
 RT: 11.890 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045070.D
 Acq: 28 Feb 2025 02:37

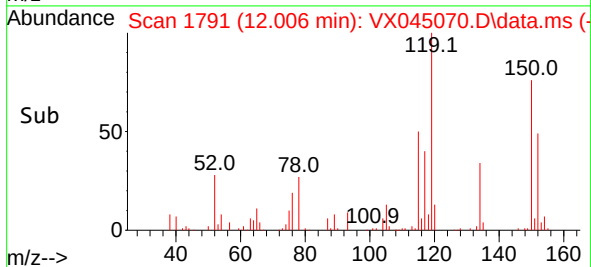
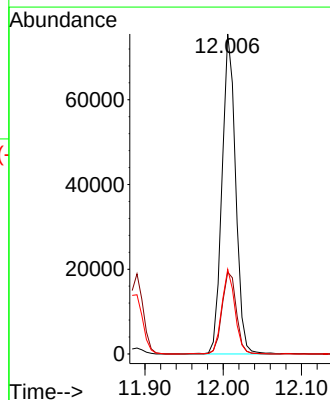
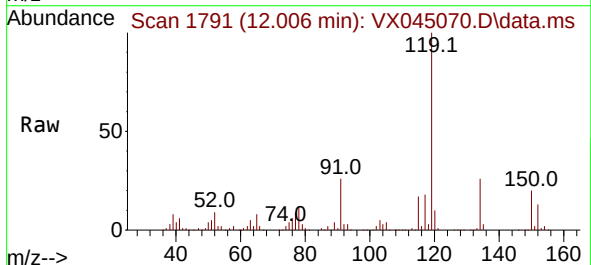
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

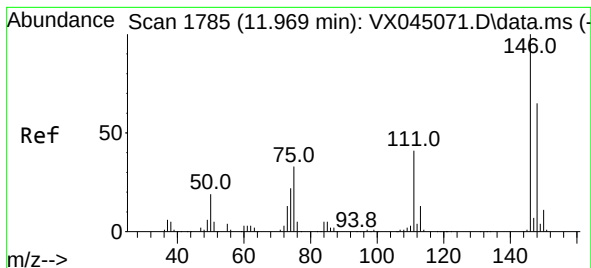
Tgt Ion:105 Resp: 115953
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.4



#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

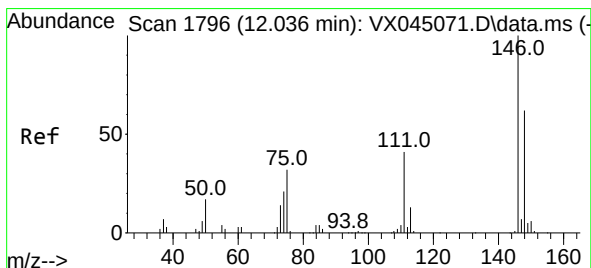
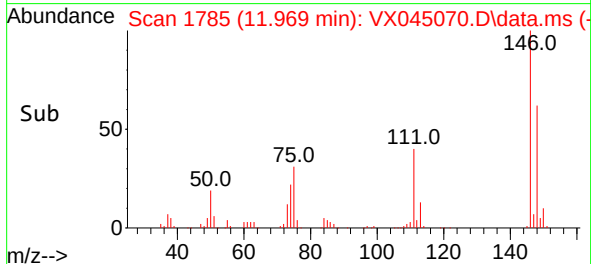
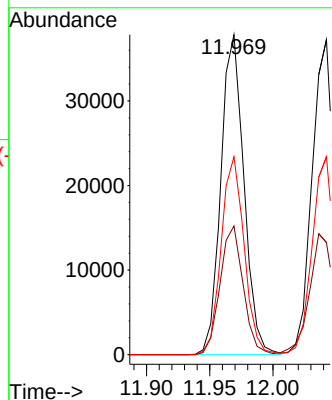
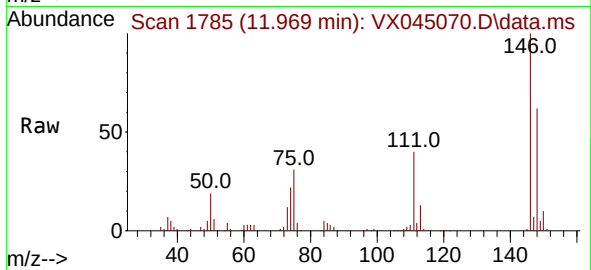
Tgt Ion:146 Resp: 47934

Ion Ratio Lower Upper

146 100

111 40.2 21.1 63.4

148 61.6 31.9 95.7



#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

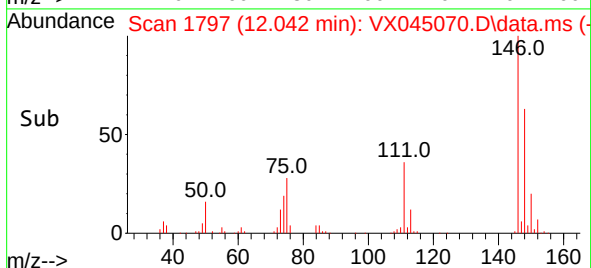
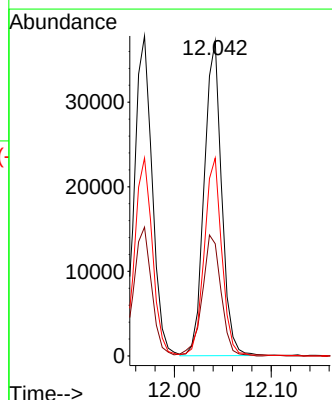
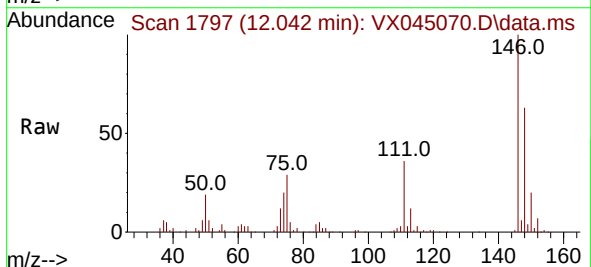
Tgt Ion:146 Resp: 46657

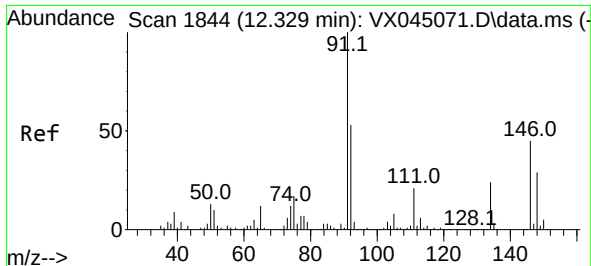
Ion Ratio Lower Upper

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

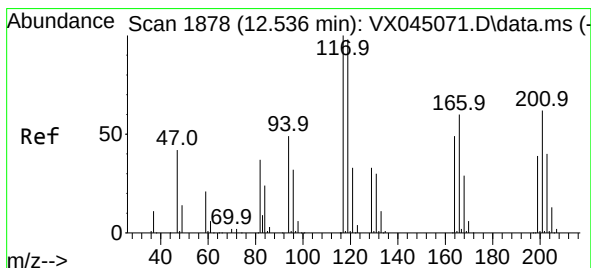
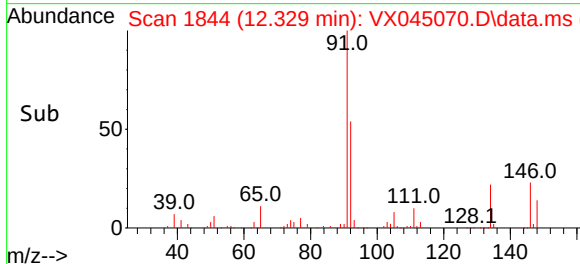
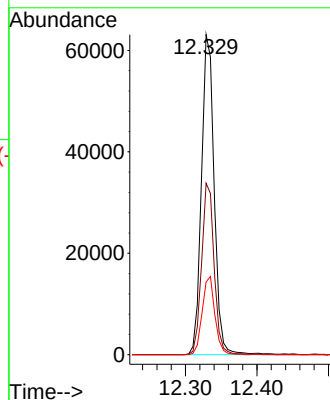
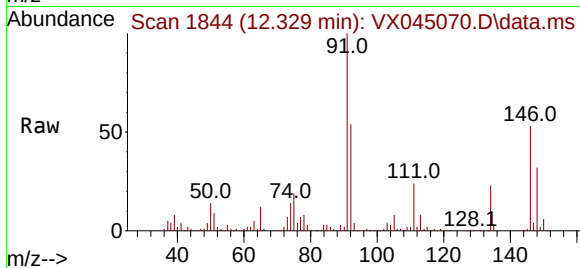
Tgt Ion: 91 Resp: 78135

Ion Ratio Lower Upper

91 100

92 52.9 26.7 80.0

134 24.3 12.2 36.6



#90

Hexachloroethane

Concen: 18.483 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX045070.D

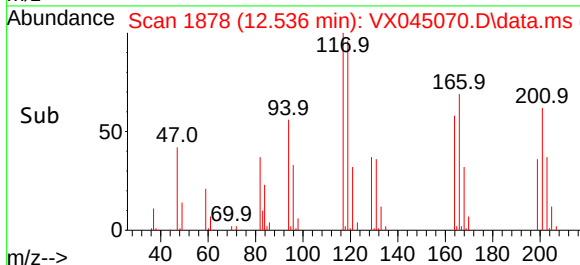
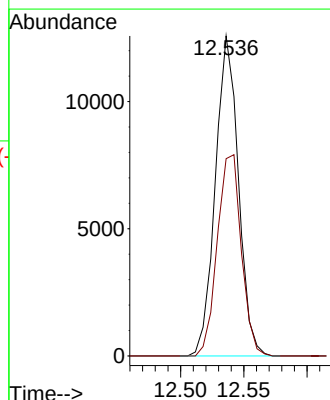
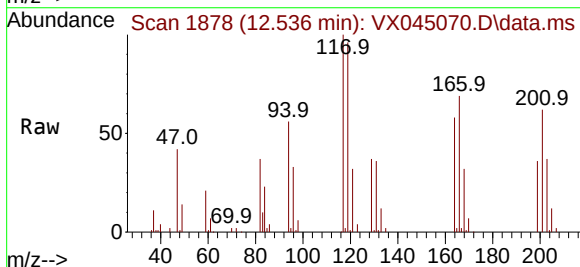
Acq: 28 Feb 2025 02:37

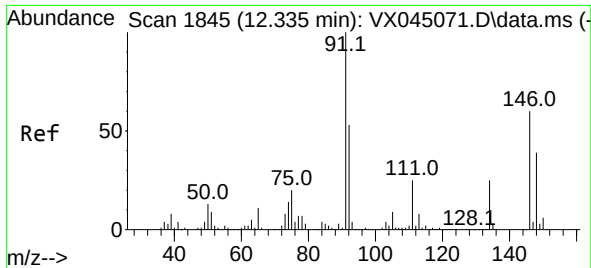
Tgt Ion: 117 Resp: 15919

Ion Ratio Lower Upper

117 100

201 65.6 31.9 95.9

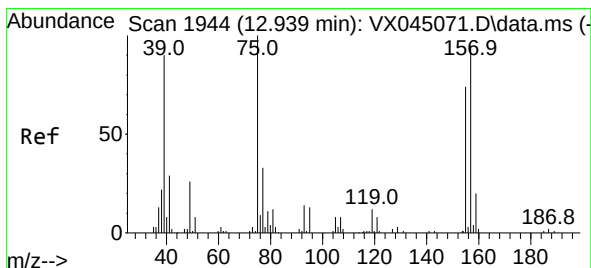
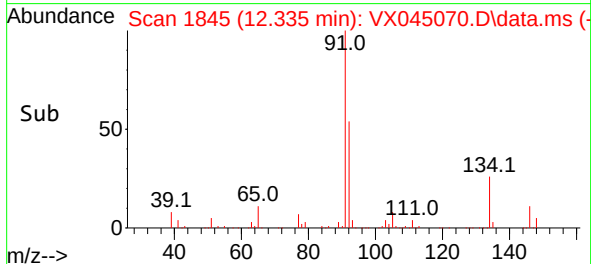
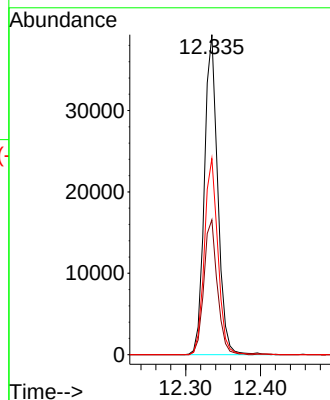
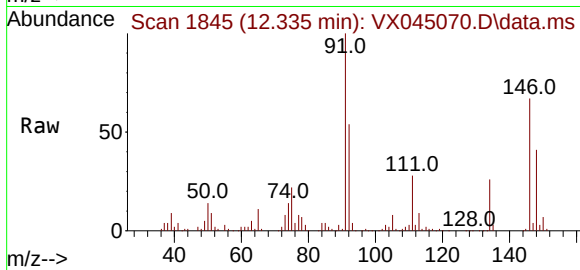




#91
1,2-Dichlorobenzene
Concen: 21.031 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

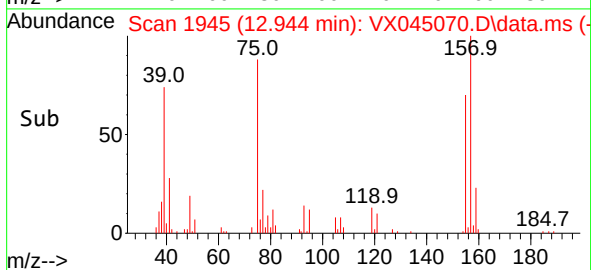
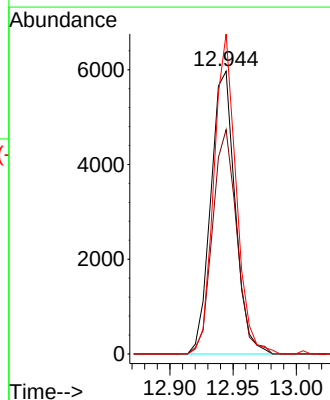
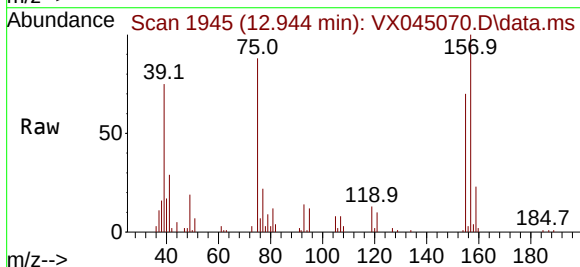
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

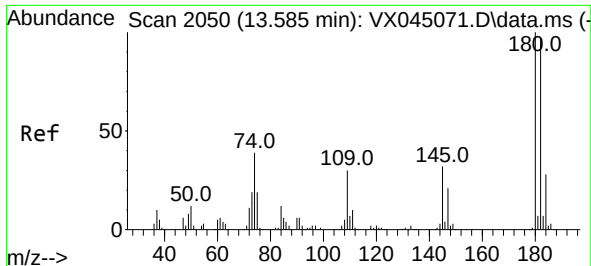
Tgt Ion:146 Resp: 48632
Ion Ratio Lower Upper
146 100
111 42.6 21.6 65.0
148 62.1 31.9 95.9



#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

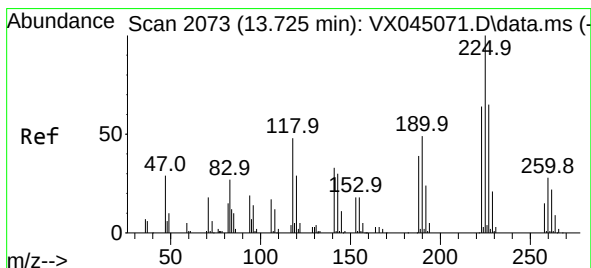
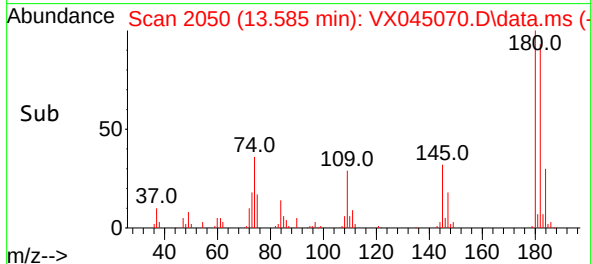
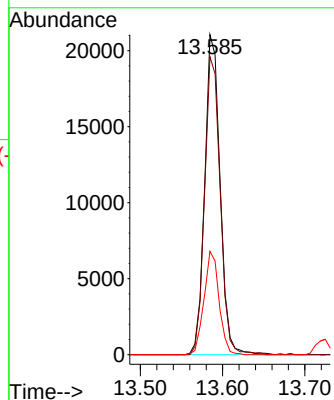
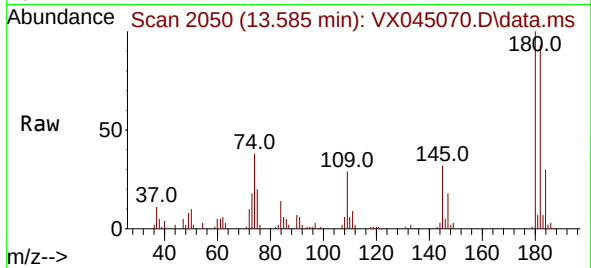




#93
1,2,4-Trichlorobenzene
Concen: 19.617 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

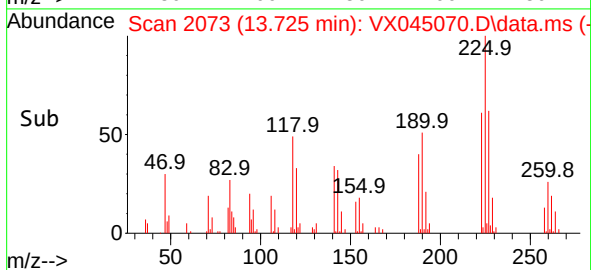
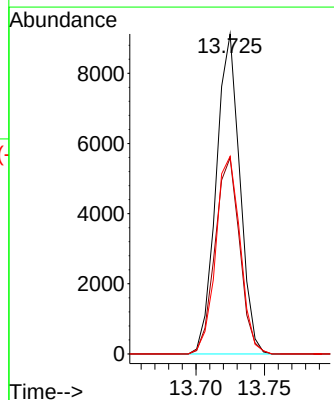
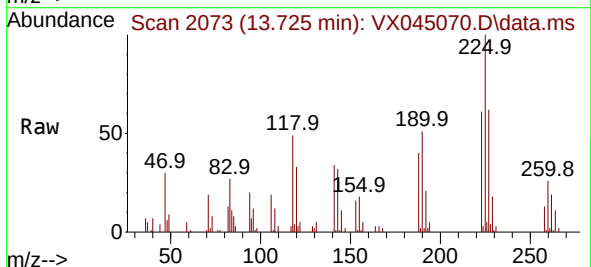
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

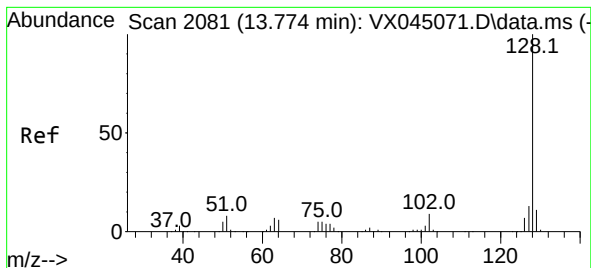
Tgt Ion:180 Resp: 27424
Ion Ratio Lower Upper
180 100
182 93.9 47.3 141.9
145 31.5 16.3 48.9



#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 :

VSTDIC020

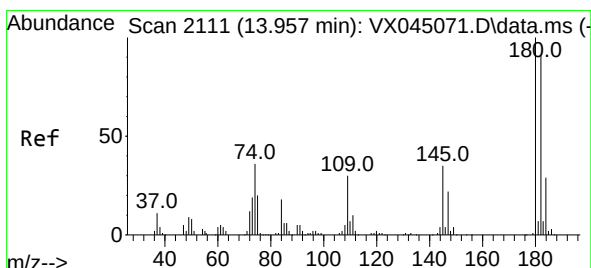
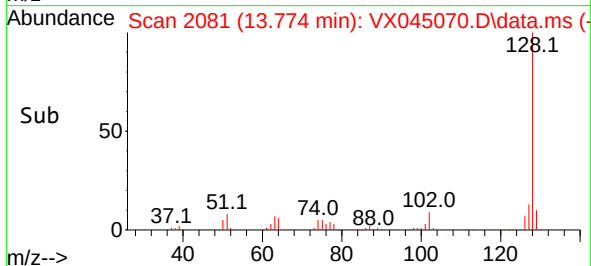
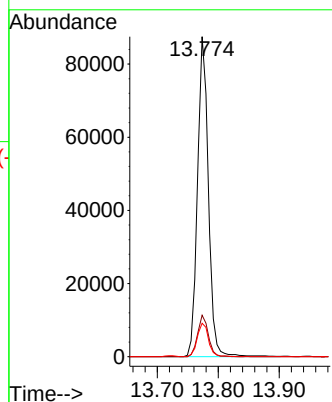
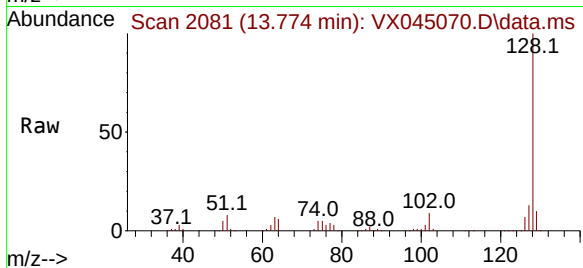
Tgt Ion:128 Resp: 108350

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 10.8 8.7 13.1



#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

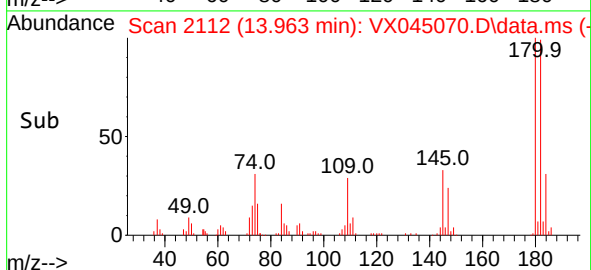
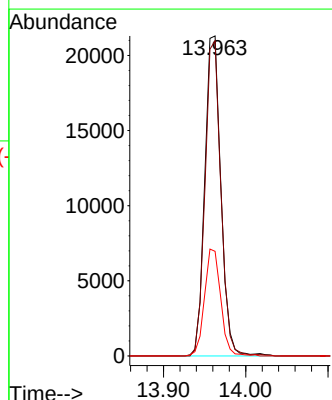
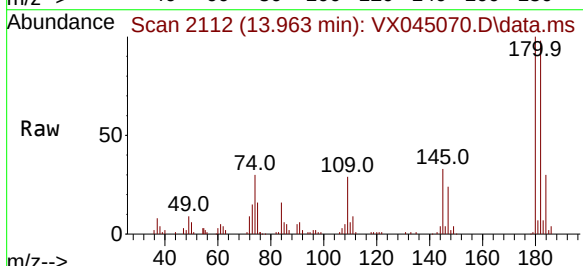
Tgt Ion:180 Resp: 28937

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\X022825\
 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

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

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	103161	64.894	ug/l	86
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

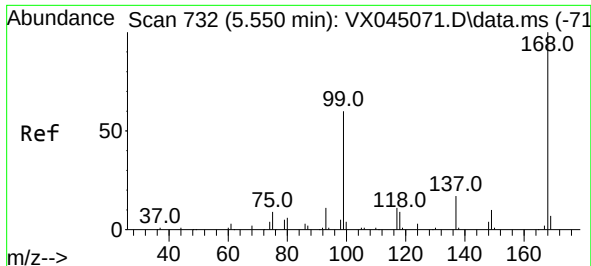
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

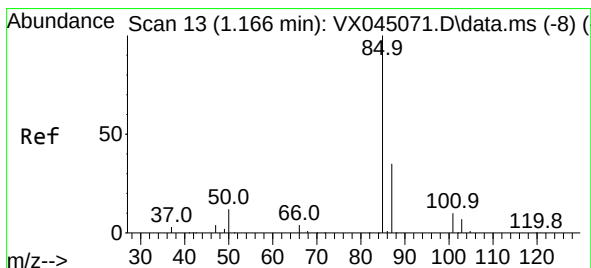
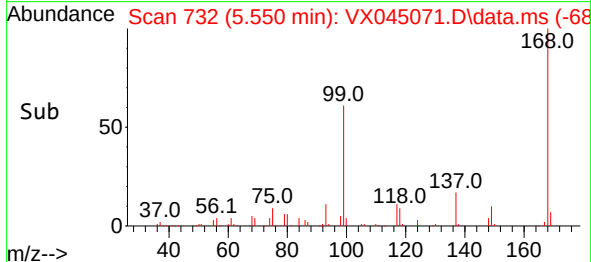
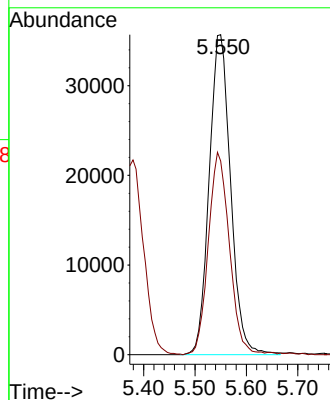
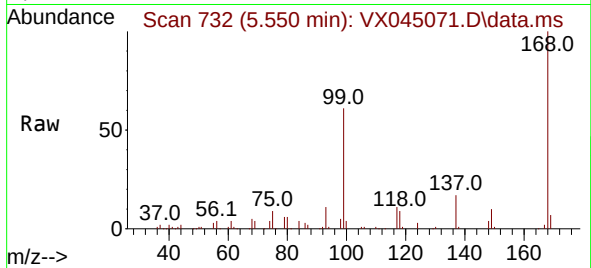
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17



#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

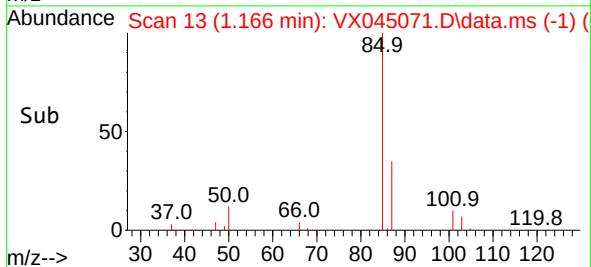
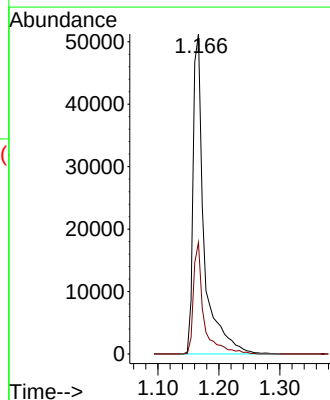
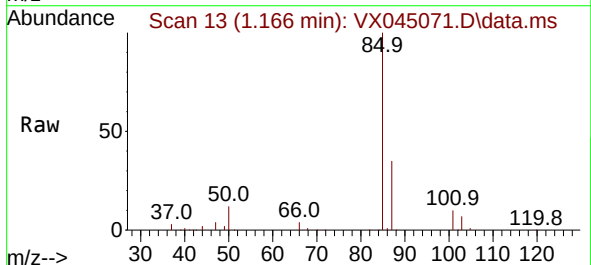
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

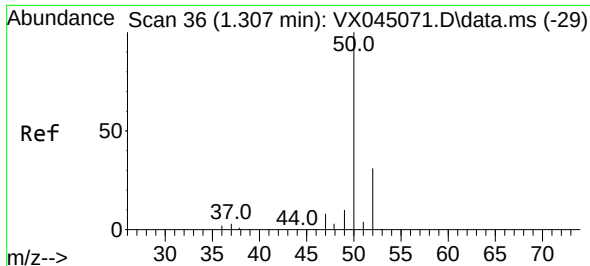
Tgt Ion:168 Resp: 103235
Ion Ratio Lower Upper
168 100
99 60.3 48.2 72.4



#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

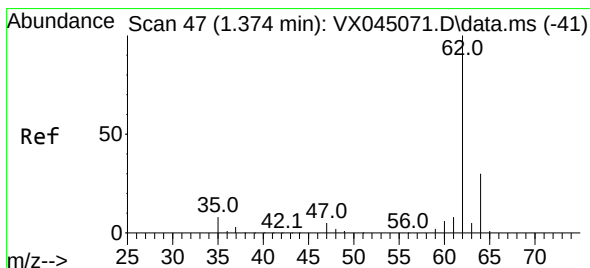
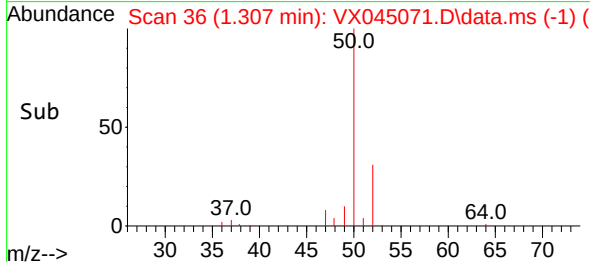
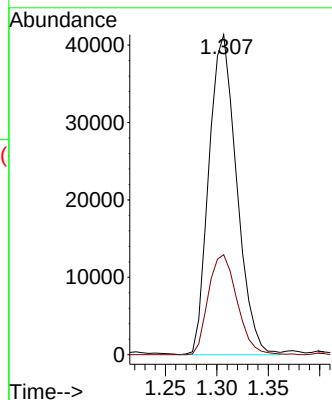
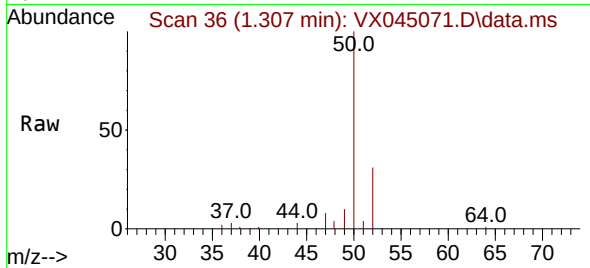




#3
Chloromethane
Concen: 44.894 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

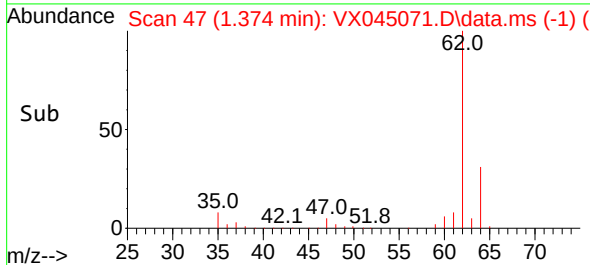
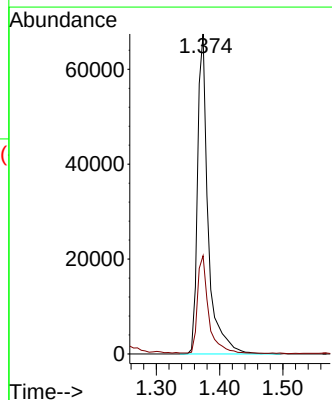
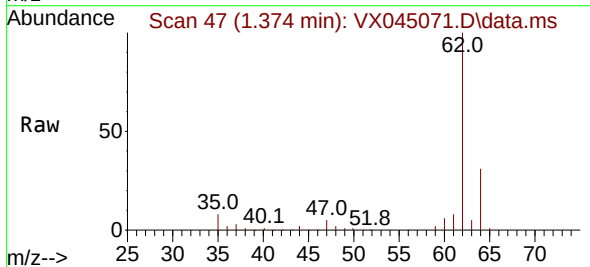
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

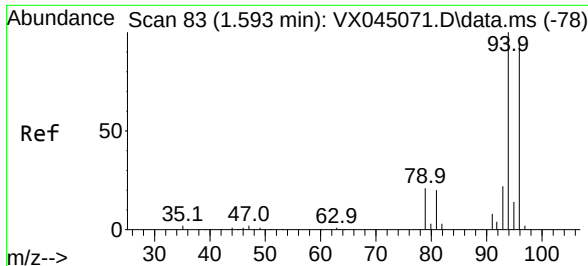
Tgt Ion: 50 Resp: 77729
Ion Ratio Lower Upper
50 100
52 31.2 25.0 37.4



#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

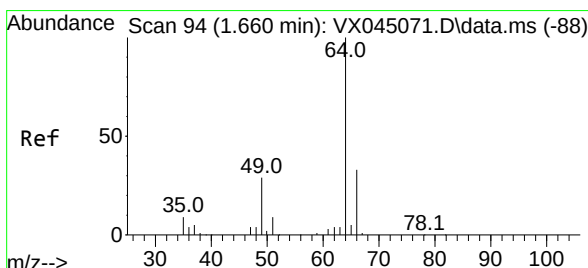
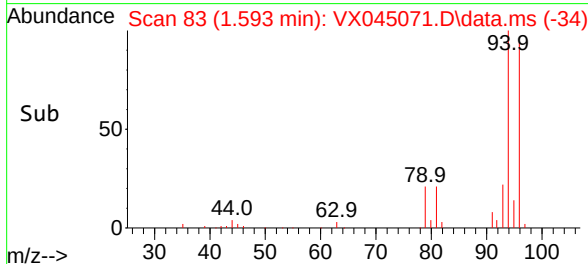
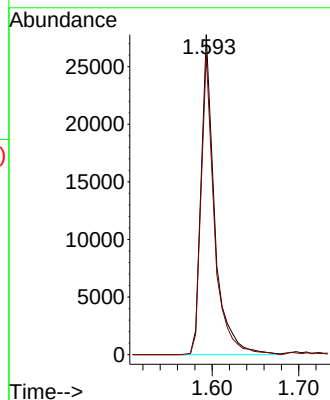
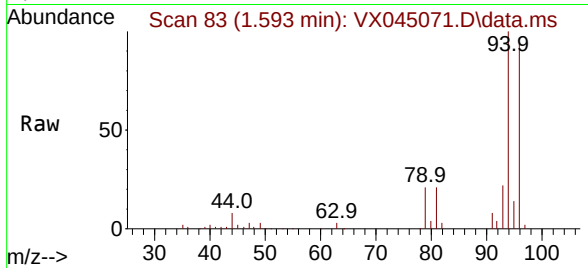




#5
Bromomethane
Concen: 57.066 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

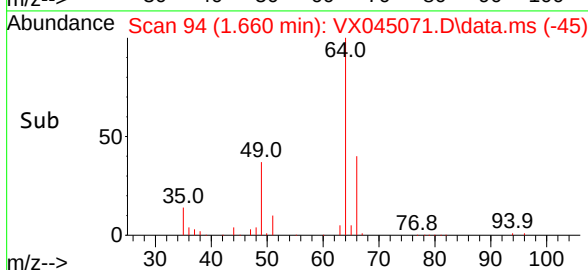
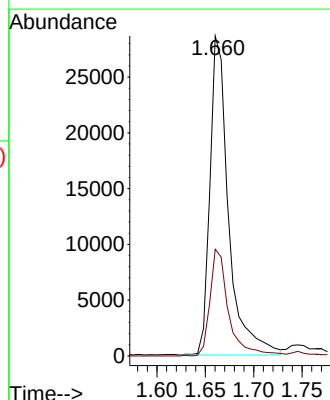
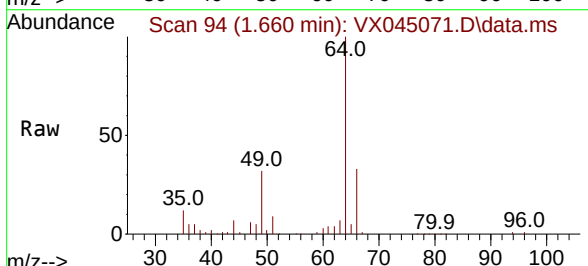
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

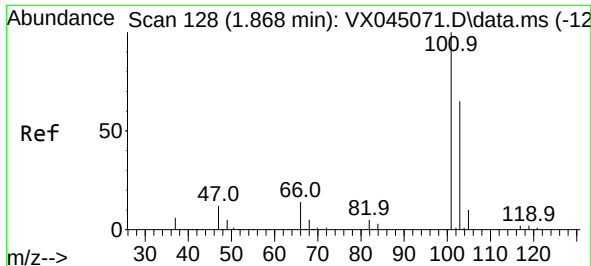
Tgt Ion: 94 Resp: 30169
Ion Ratio Lower Upper
94 100
96 93.7 75.0 112.4



#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

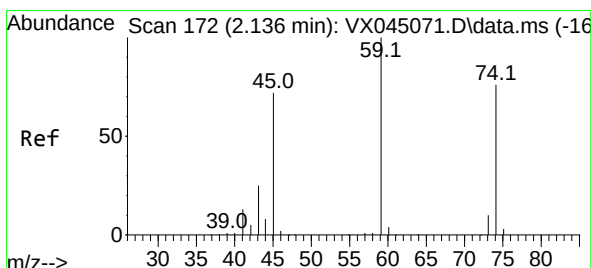
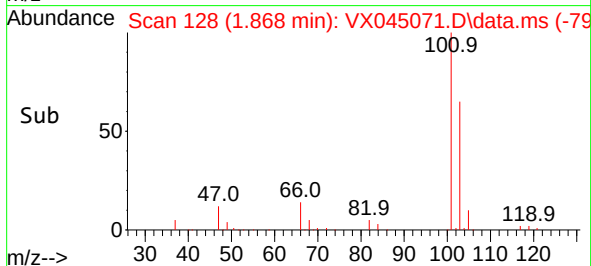
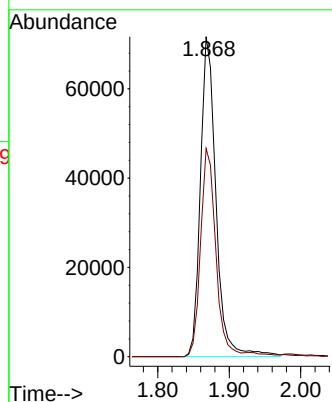
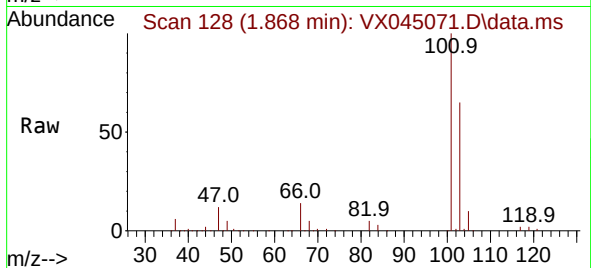




#7
Trichlorofluoromethane
Concen: 50.047 ug/l
RT: 1.868 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

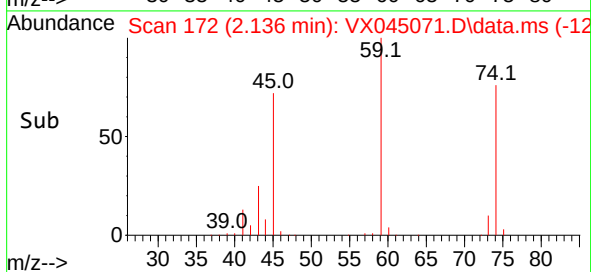
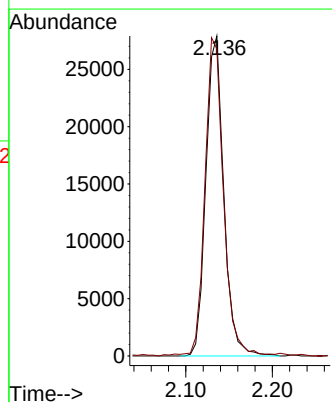
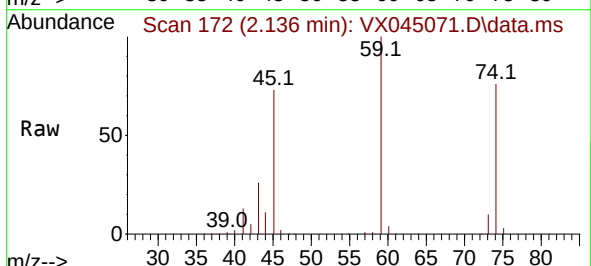
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

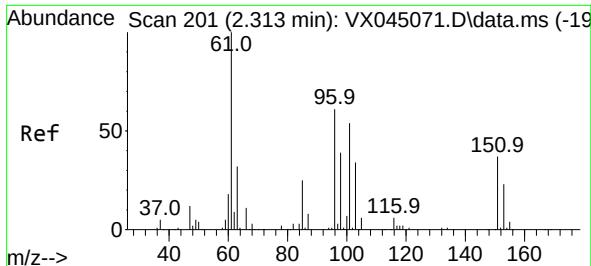
Tgt Ion:101 Resp: 108411
Ion Ratio Lower Upper
101 100
103 65.1 52.1 78.1



#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

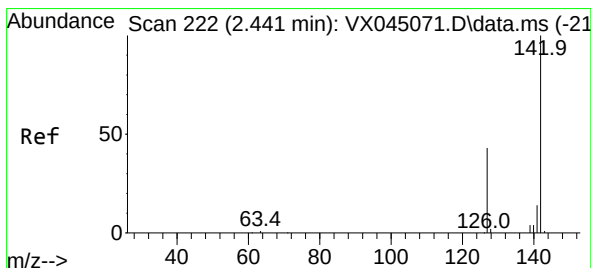
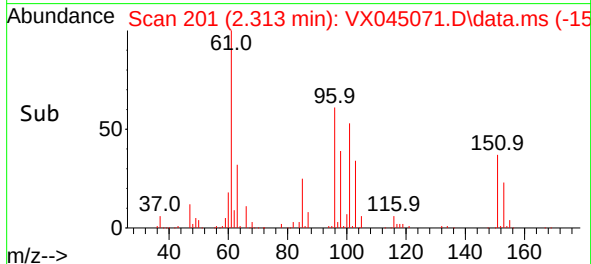
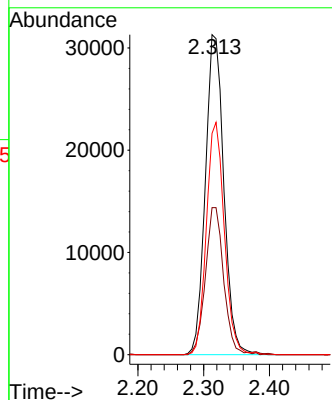
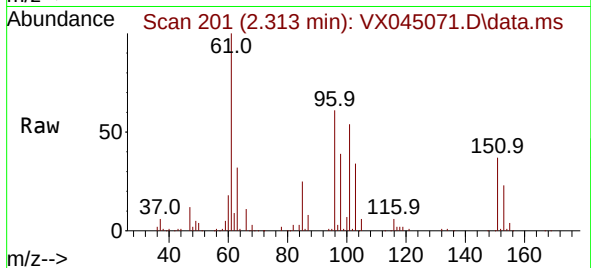




#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.399 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

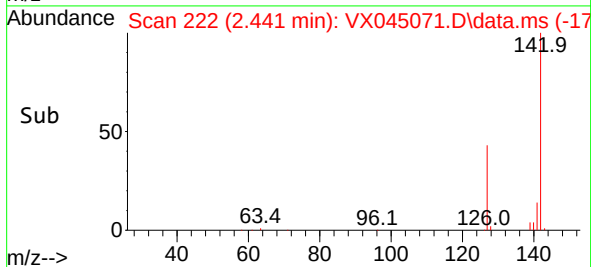
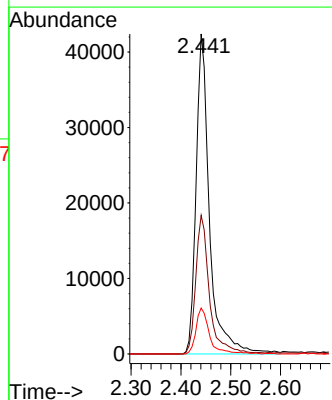
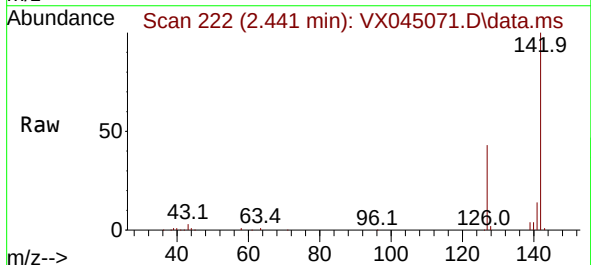
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

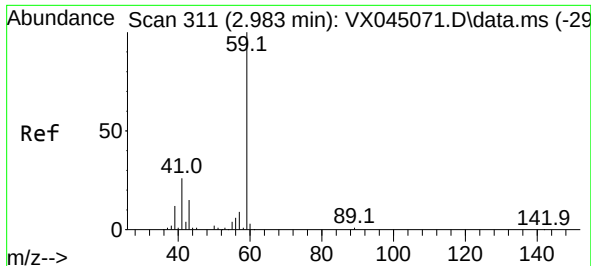
Tgt Ion:	101	Resp:	61312
Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	70.5	56.4	84.6



#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 :

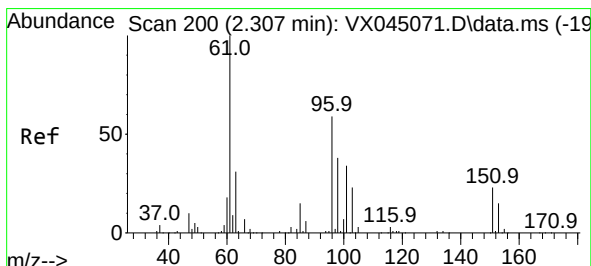
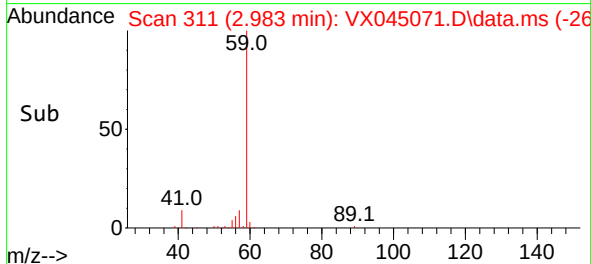
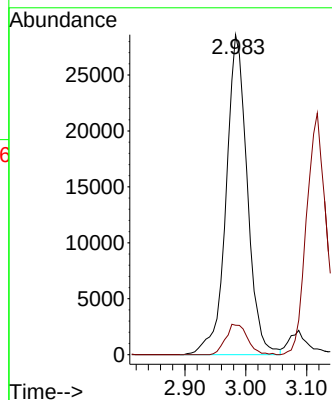
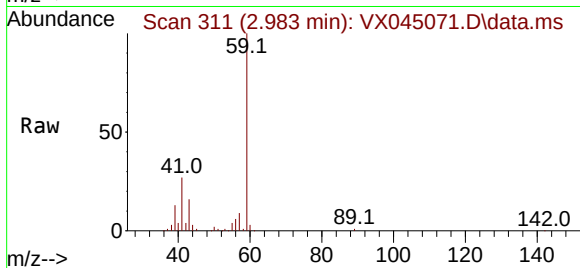
VSTDICCC050

Tgt Ion: 59 Resp: 69139

Ion Ratio Lower Upper

59 100

57 9.8 7.8 11.8



#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

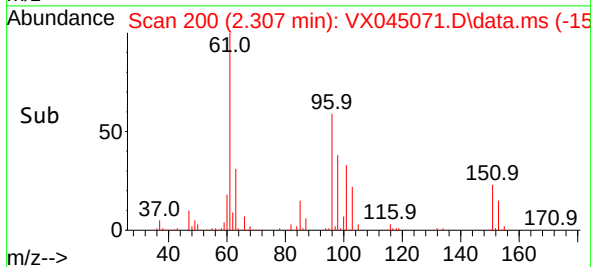
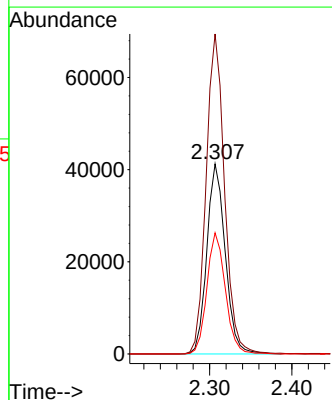
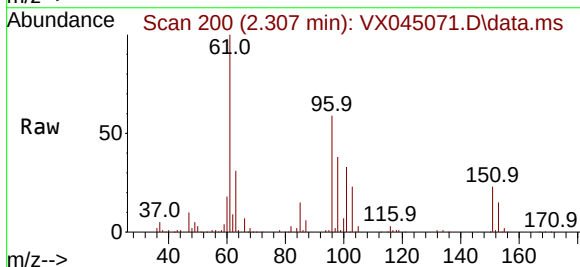
Tgt Ion: 96 Resp: 64327

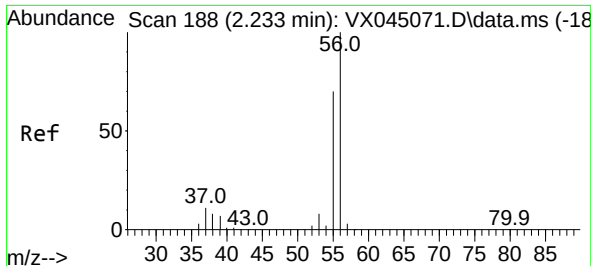
Ion Ratio Lower Upper

96 100

61 168.3 134.6 202.0

98 63.8 51.0 76.6

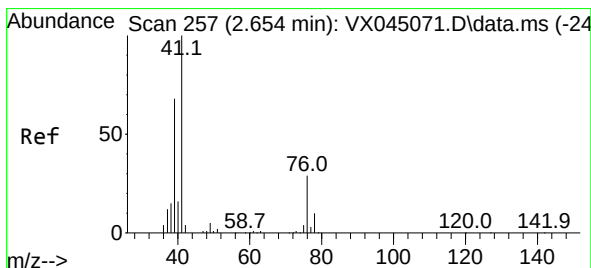
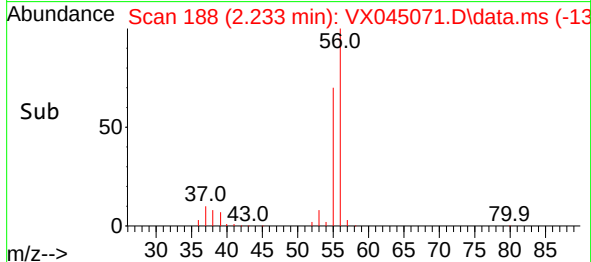
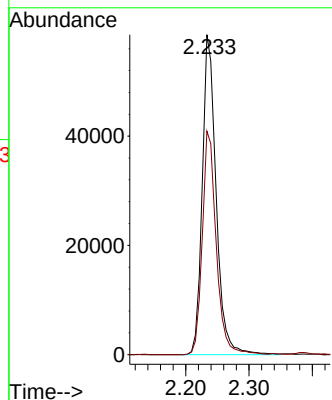
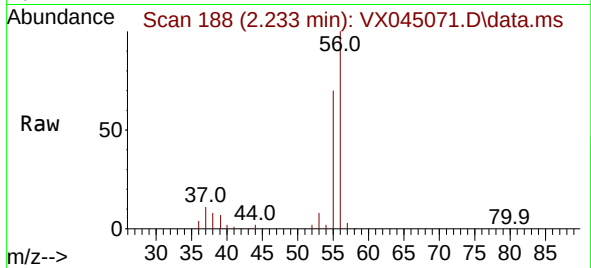




#13
Acrolein
Concen: 296.189 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

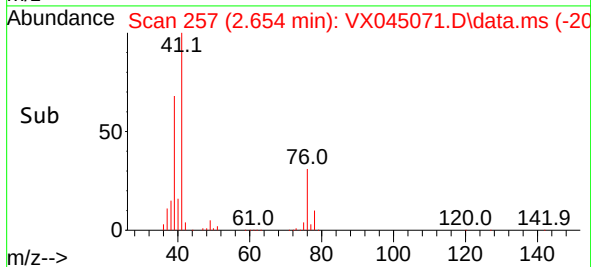
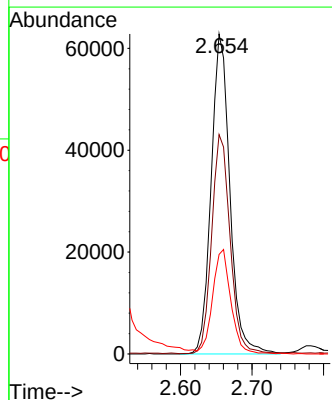
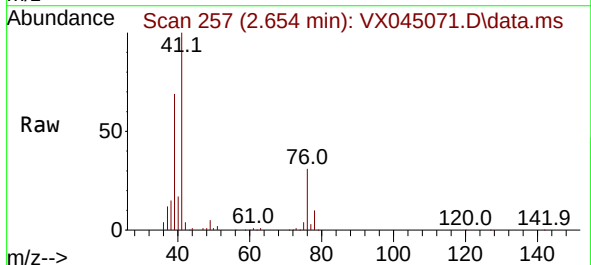
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

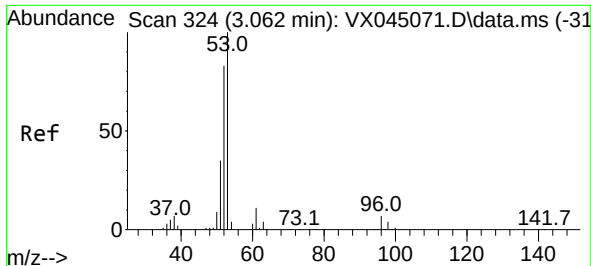
Tgt Ion: 56 Resp: 89603
Ion Ratio Lower Upper
56 100
55 70.3 56.2 84.4



#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

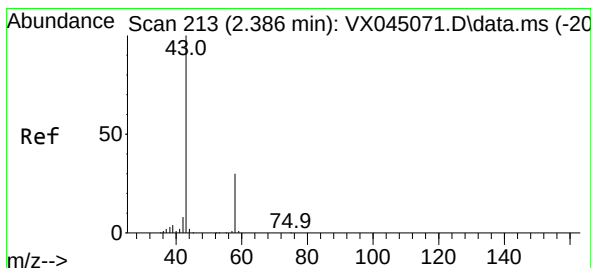
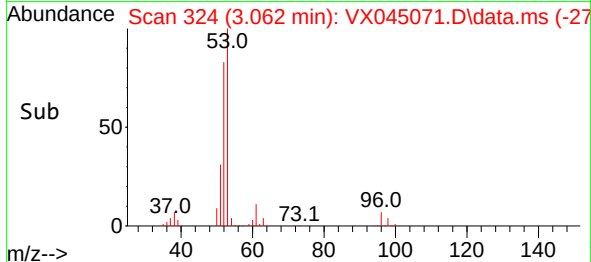
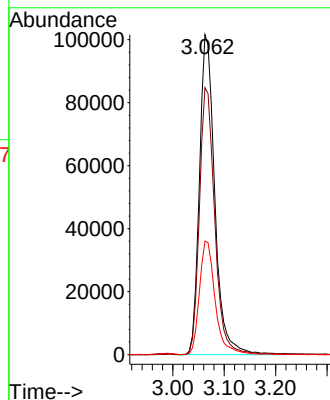
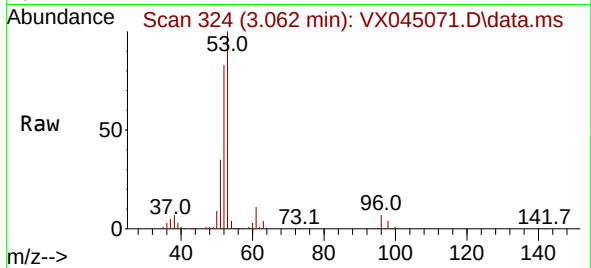




#15
Acrylonitrile
Concen: 278.519 ug/l
RT: 3.062 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

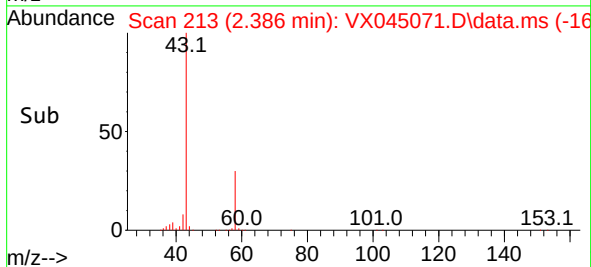
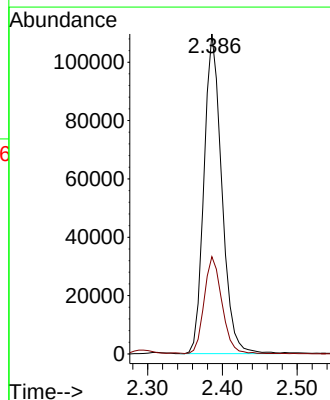
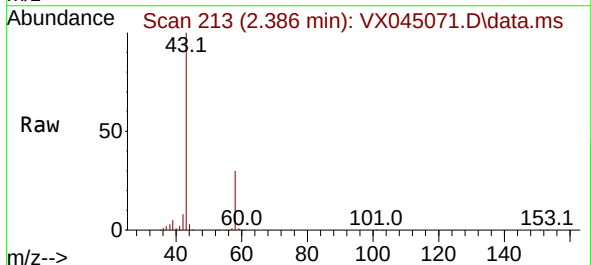
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

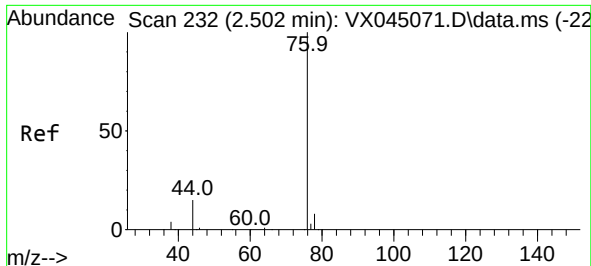
Tgt Ion:	53	Resp:	211455
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	36.2	29.0	43.4



#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

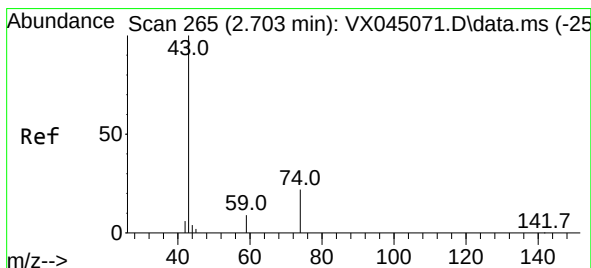
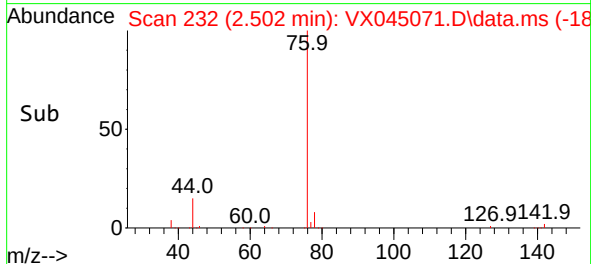
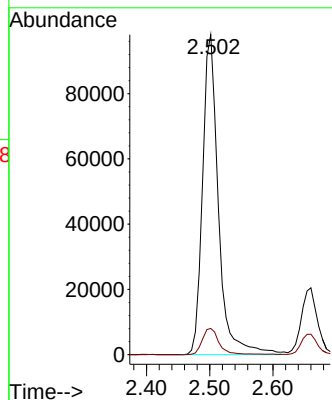
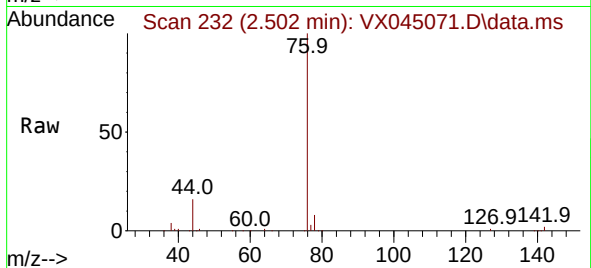




#17
Carbon Disulfide
Concen: 47.419 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

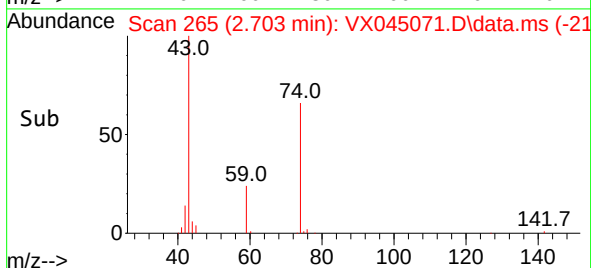
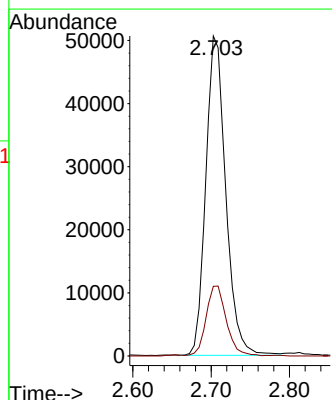
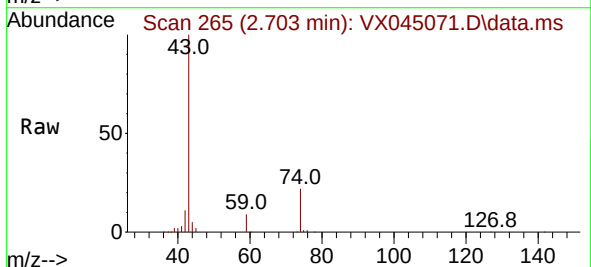
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

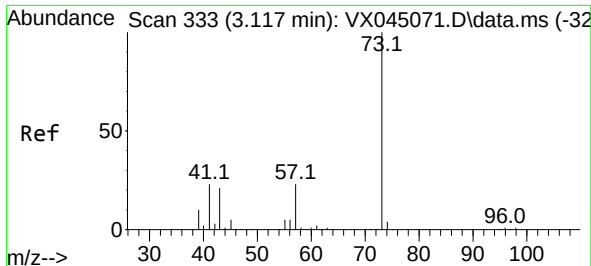
Tgt Ion: 76 Resp: 171353
Ion Ratio Lower Upper
76 100
78 8.2 6.6 9.8



#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

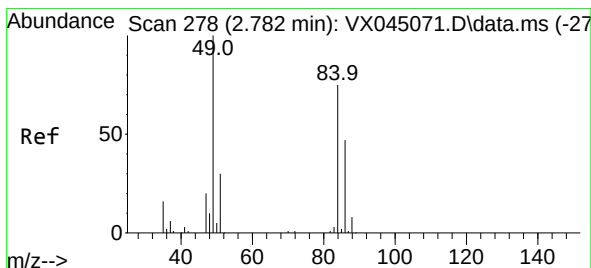
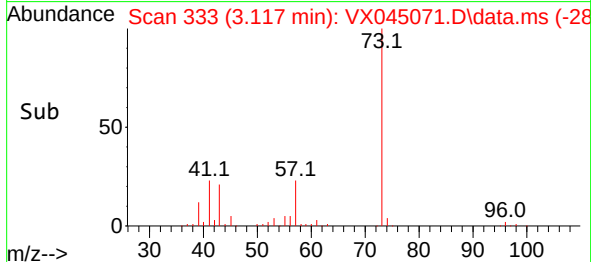
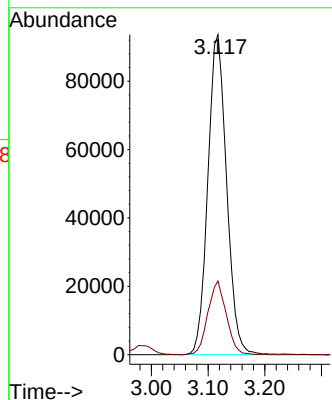
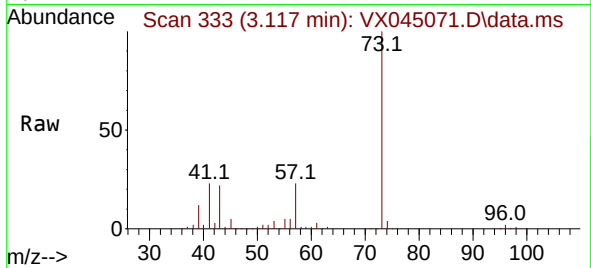




#19
Methyl tert-butyl Ether
Concen: 50.642 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

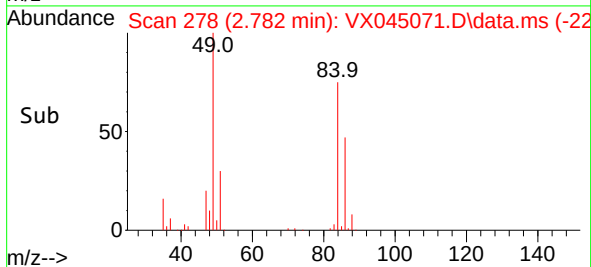
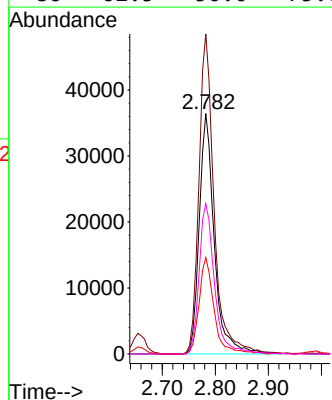
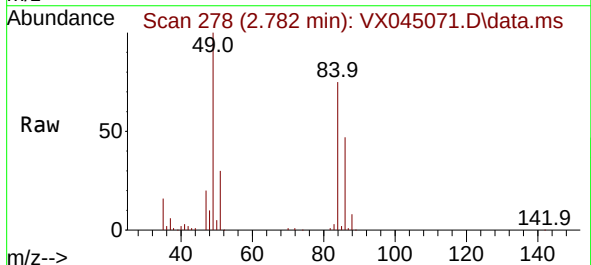
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

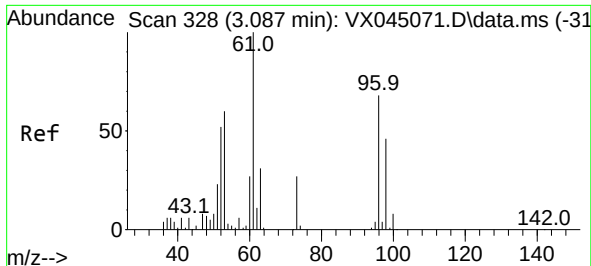
Tgt Ion: 73 Resp: 215043
Ion Ratio Lower Upper
73 100
57 23.1 18.5 27.7



#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

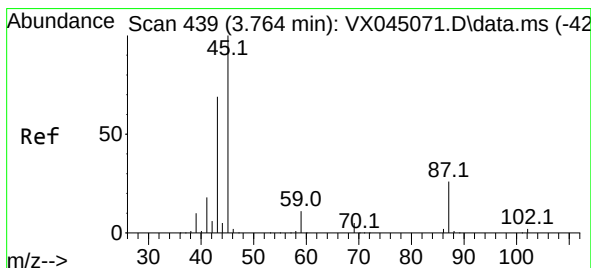
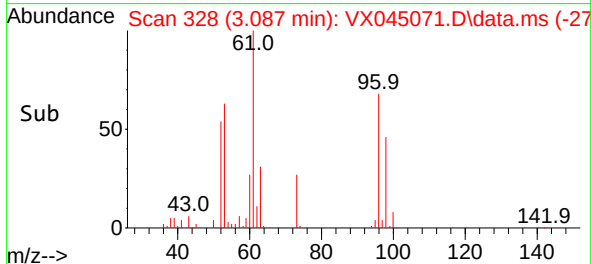
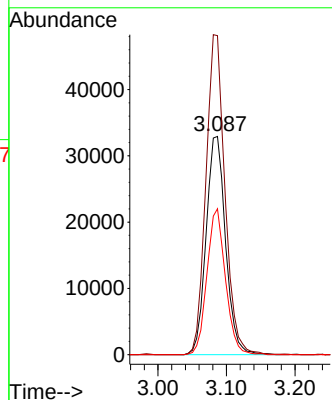
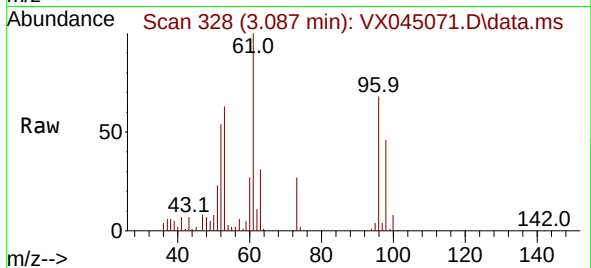




#21
trans-1,2-Dichloroethene
Concen: 49.832 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

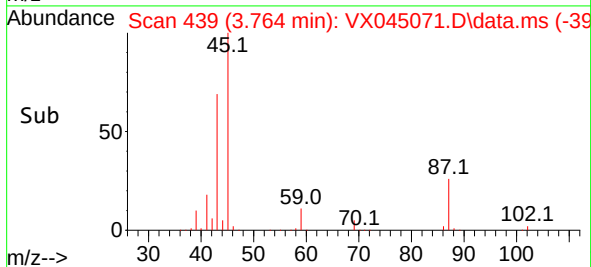
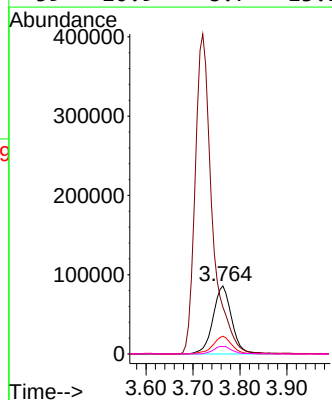
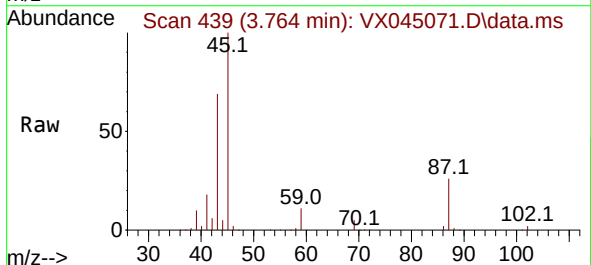
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

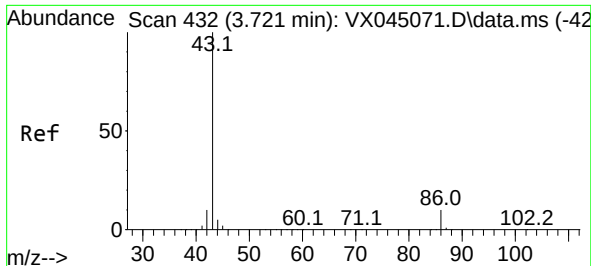
Tgt Ion: 96 Resp: 65093
Ion Ratio Lower Upper
96 100
61 146.2 117.0 175.4
98 66.8 53.4 80.2



#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

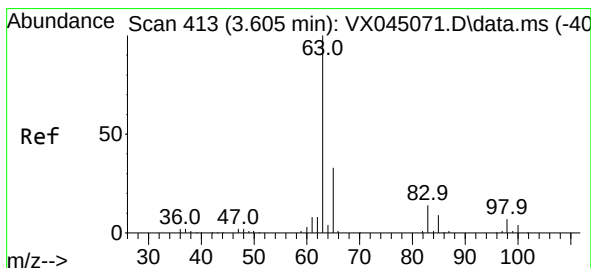
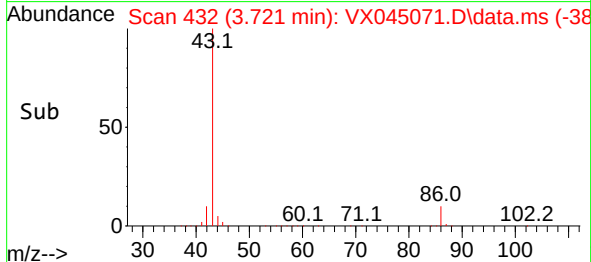
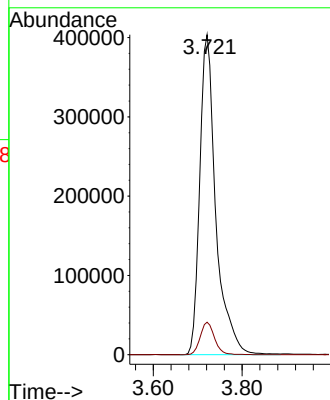
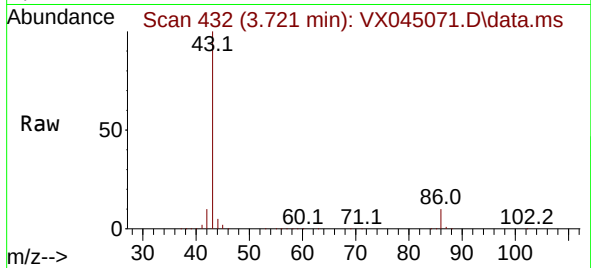




#23
 Vinyl Acetate
 Concen: 271.773 ug/l
 RT: 3.721 min Scan# 413
 Delta R.T. 0.000 min
 Lab File: VX045071.D
 Acq: 28 Feb 2025 03:00

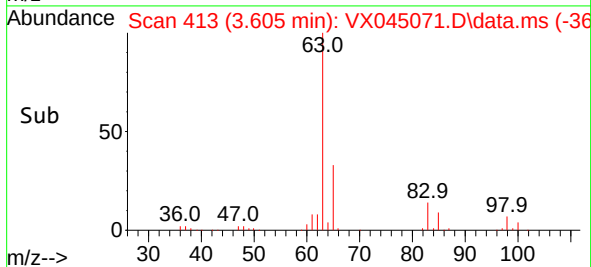
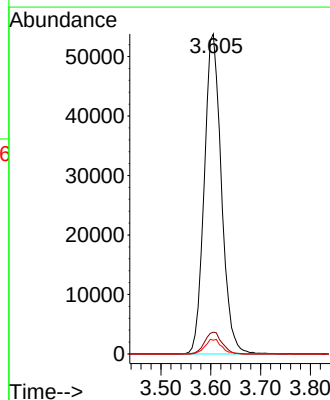
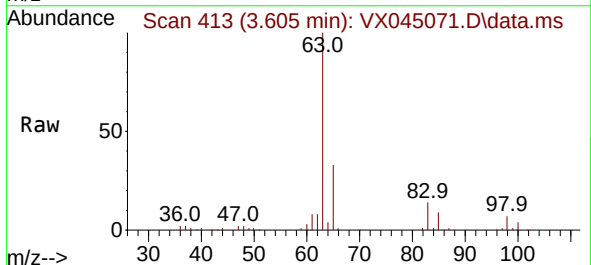
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

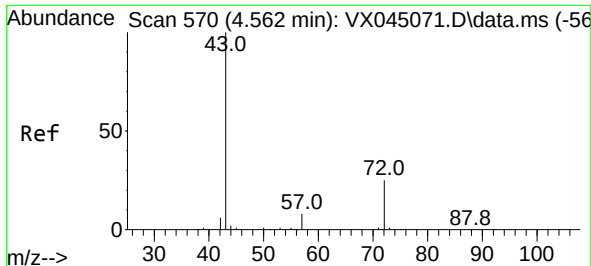
Tgt Ion: 43 Resp: 1018631
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.1 12.1



#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

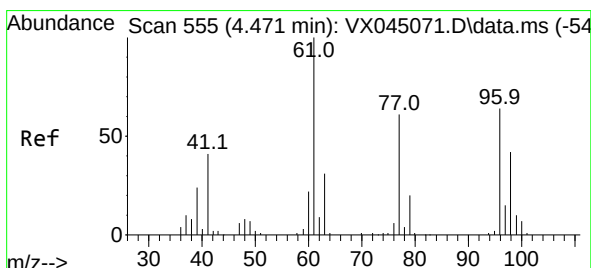
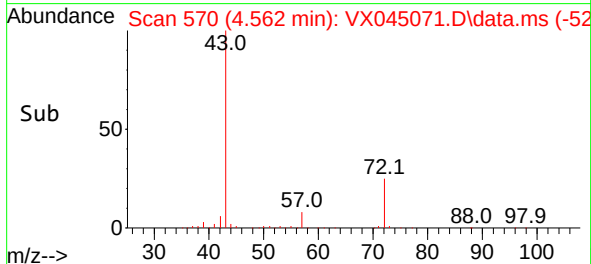
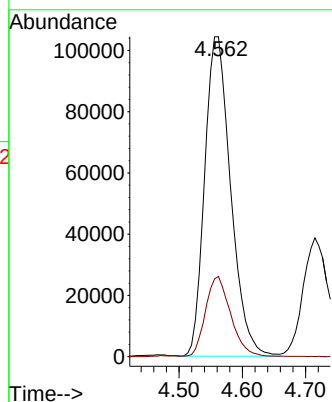
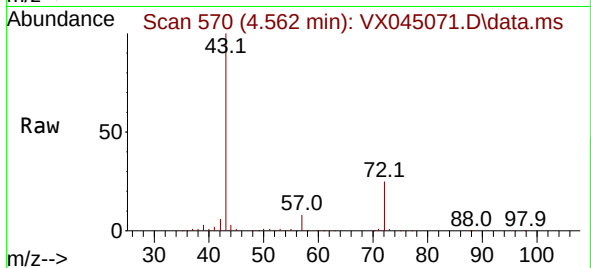




#25
2-Butanone
Concen: 295.330 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

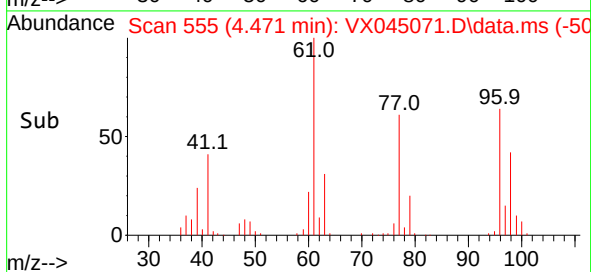
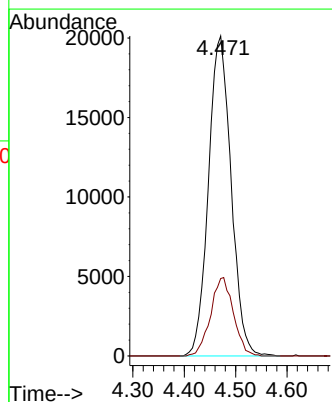
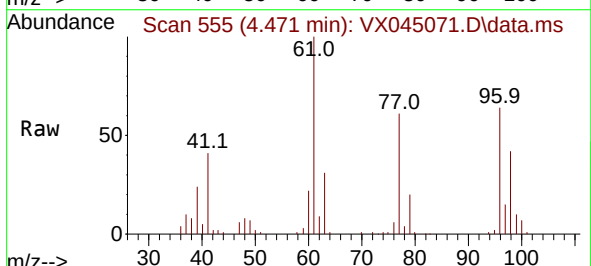
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

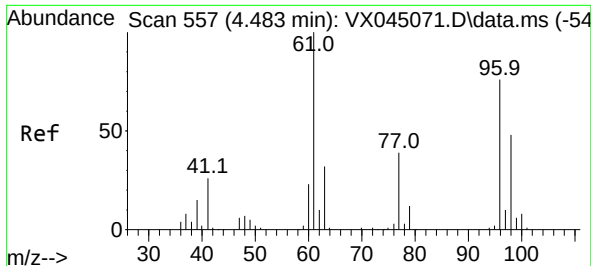
Tgt Ion: 43 Resp: 298785
Ion Ratio Lower Upper
43 100
72 25.0 20.0 30.0



#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

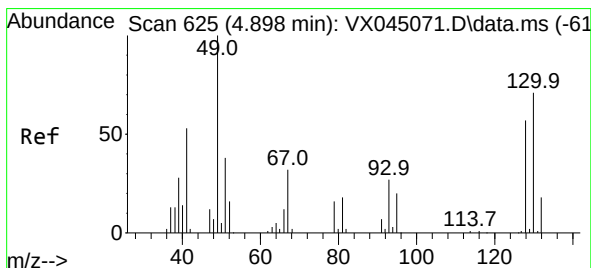
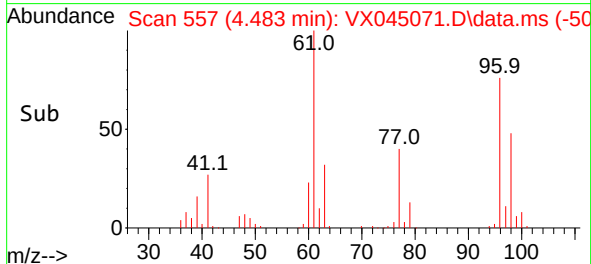
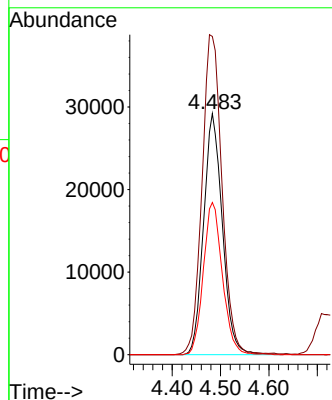
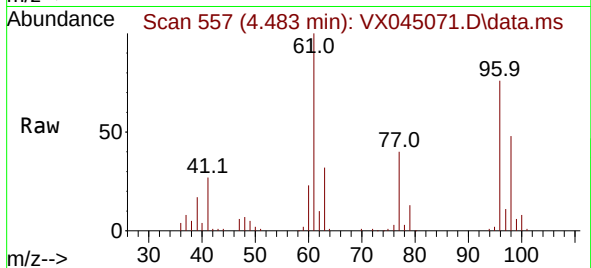
Tgt Ion: 96 Resp: 78657

Ion Ratio Lower Upper

96 100

61 141.6 0.0 283.2

98 64.0 0.0 128.0



#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

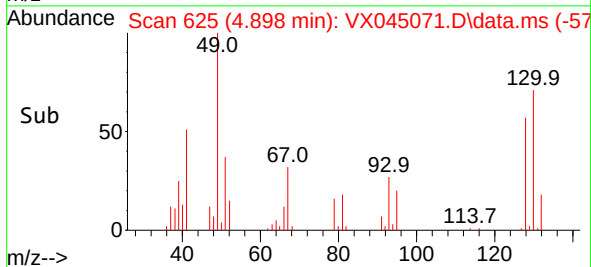
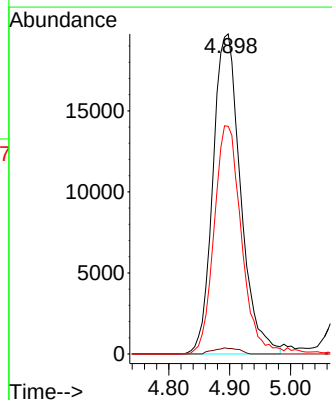
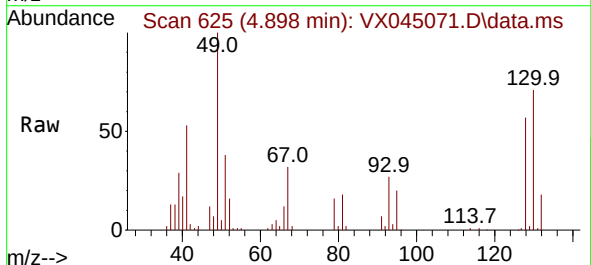
Tgt Ion: 49 Resp: 62299

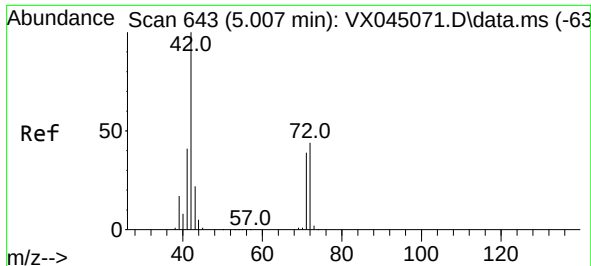
Ion Ratio Lower Upper

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

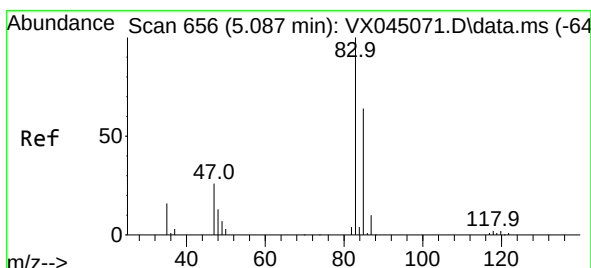
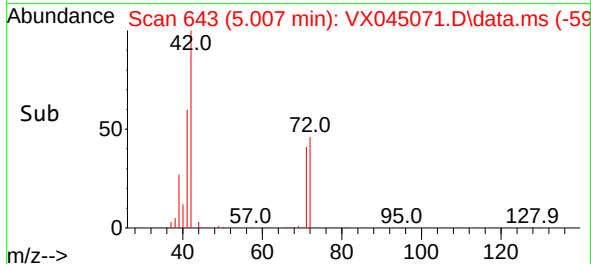
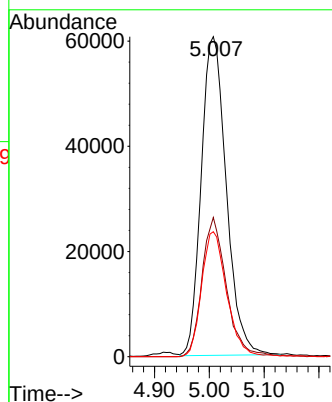
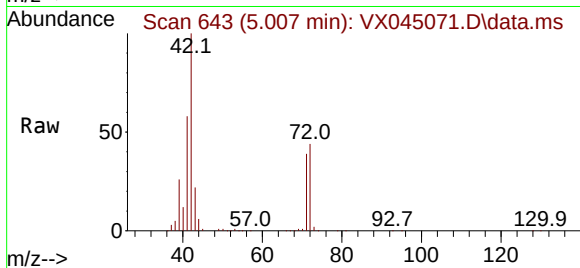
Tgt Ion: 42 Resp: 192607

Ion Ratio Lower Upper

42 100

72 42.6 34.1 51.1

71 39.2 31.4 47.0



#30

Chloroform

Concen: 51.532 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX045071.D

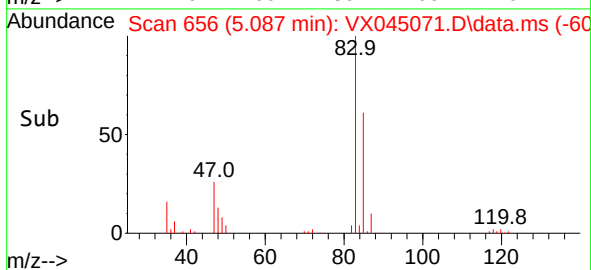
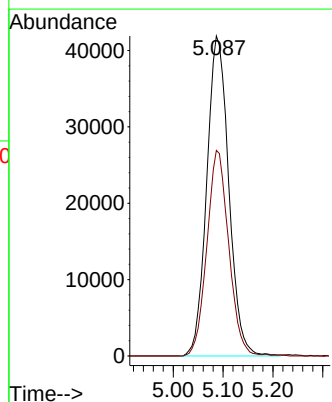
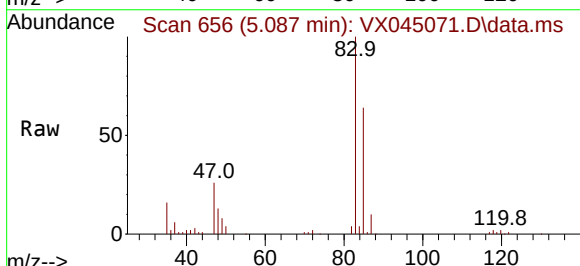
Acq: 28 Feb 2025 03:00

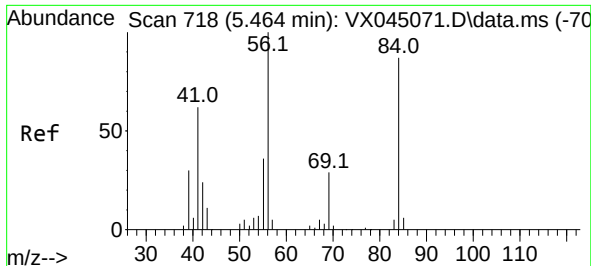
Tgt Ion: 83 Resp: 128581

Ion Ratio Lower Upper

83 100

85 64.3 51.4 77.2

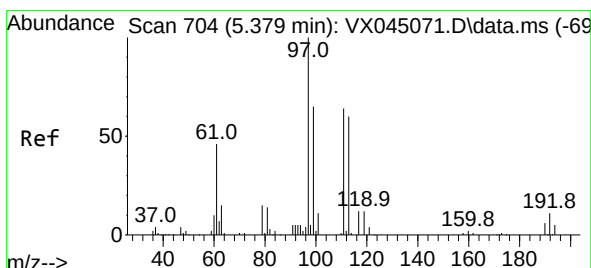
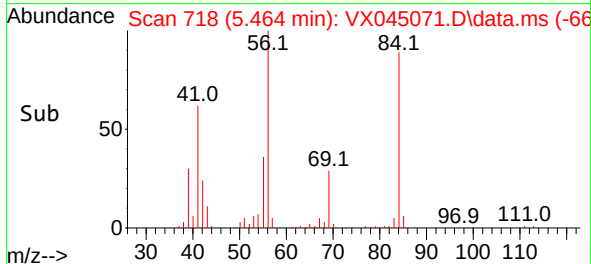
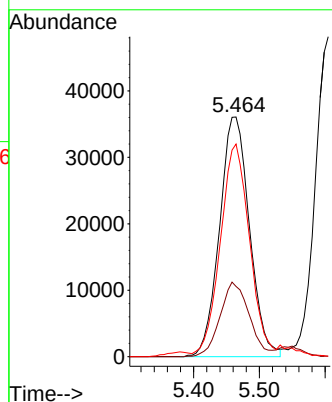
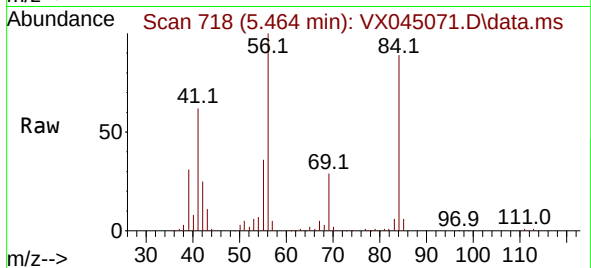




#31
Cyclohexane
Concen: 48.836 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

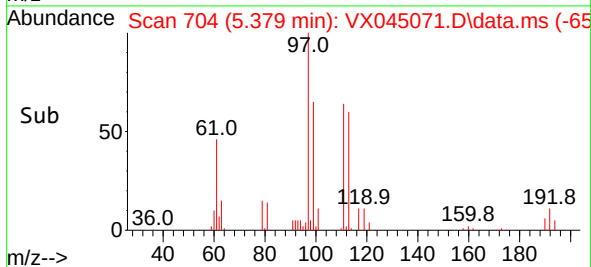
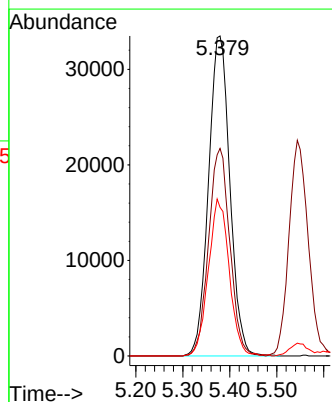
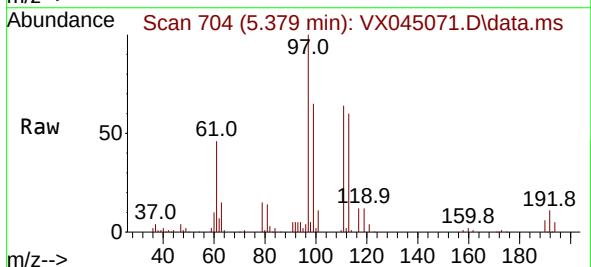
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

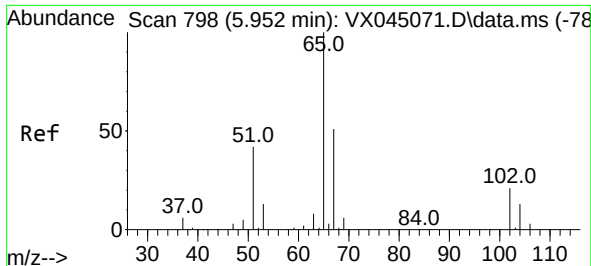
Tgt Ion: 56 Resp: 114333
Ion Ratio Lower Upper
56 100
69 29.3 23.4 35.2
84 86.8 69.4 104.2



#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 :

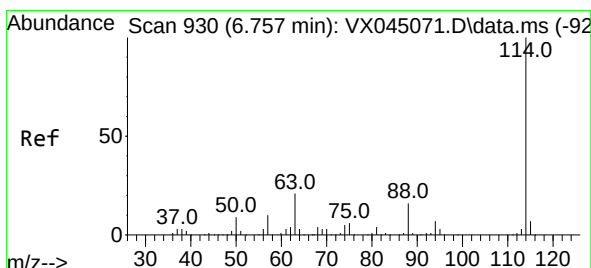
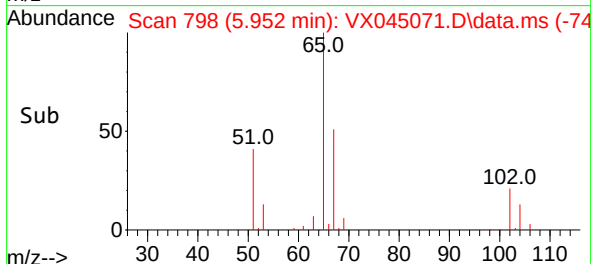
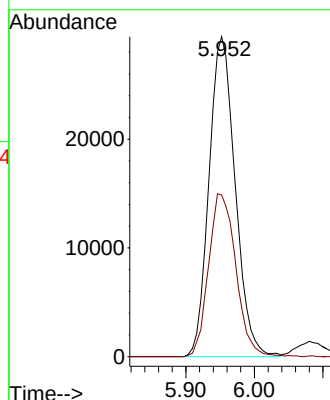
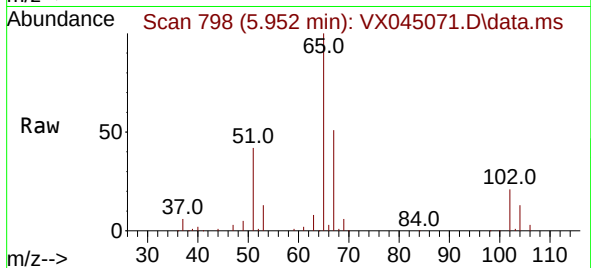
VSTDICCC050

Tgt Ion: 65 Resp: 78159

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.2



#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

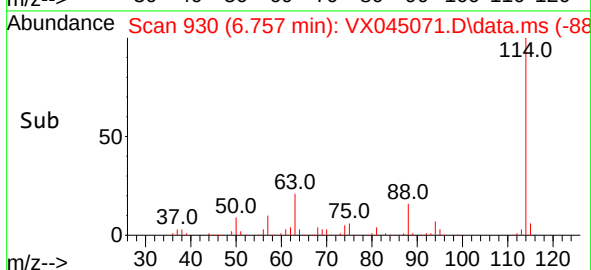
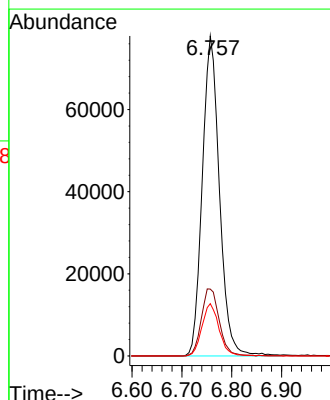
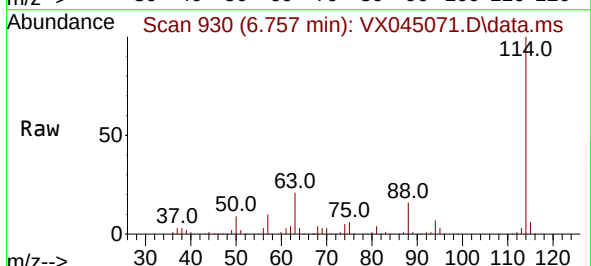
Tgt Ion: 114 Resp: 186358

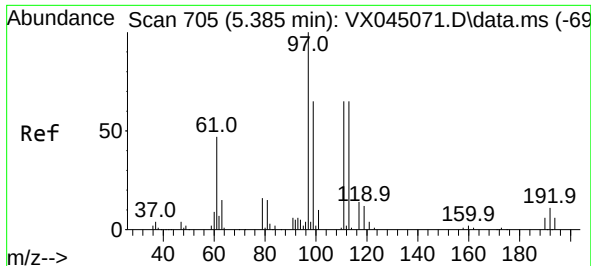
Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.8

88 16.4 0.0 32.8

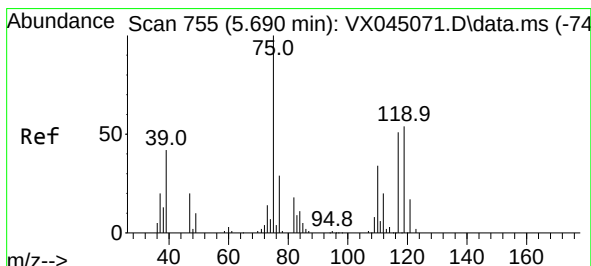
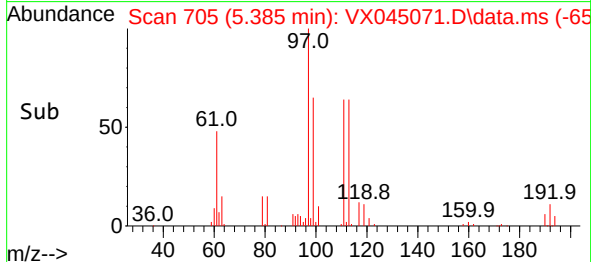
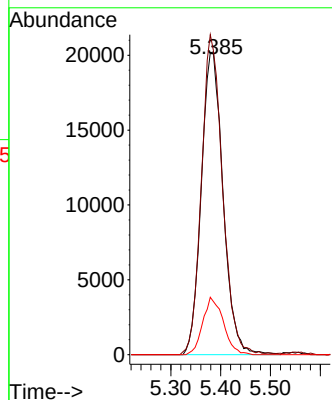
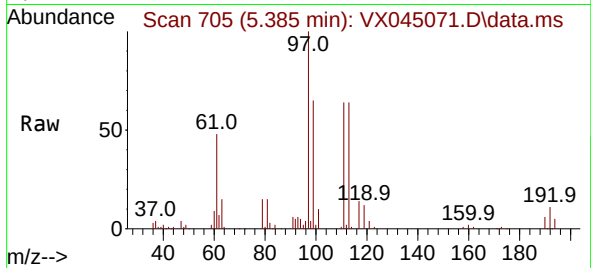




#35
Dibromofluoromethane
Concen: 50.346 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

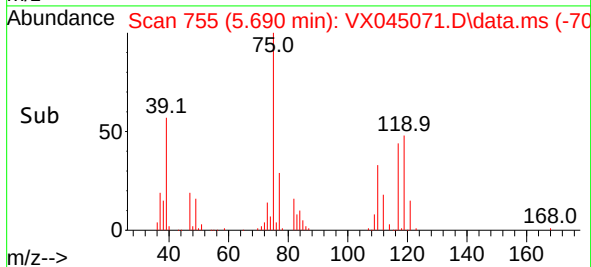
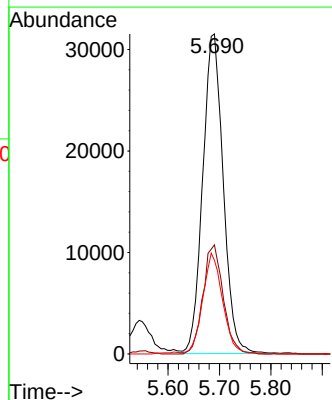
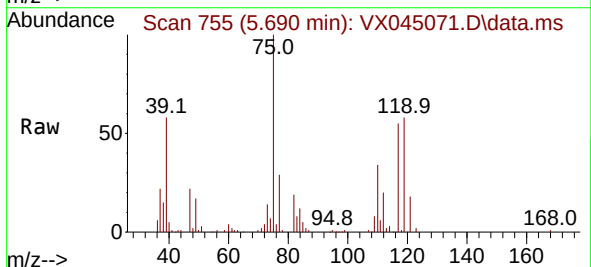
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

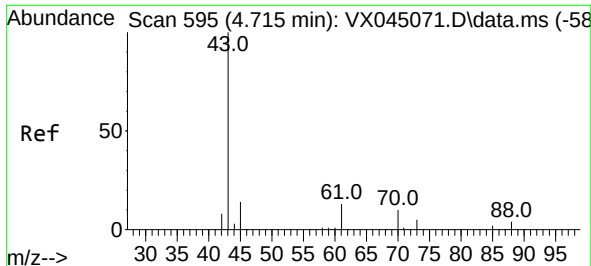
Tgt Ion:113 Resp: 61323
Ion Ratio Lower Upper
113 100
111 102.2 81.8 122.6
192 17.9 14.3 21.5



#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

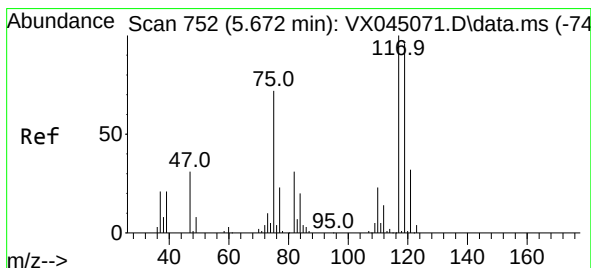
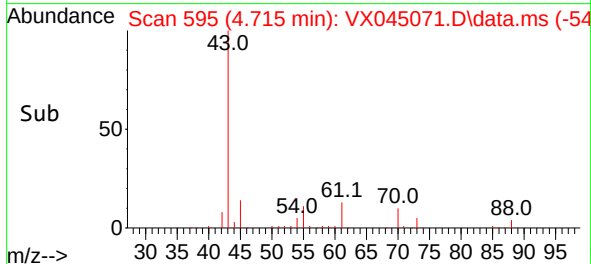
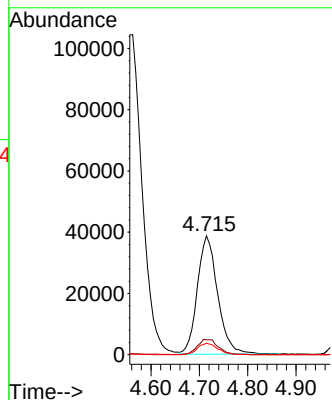
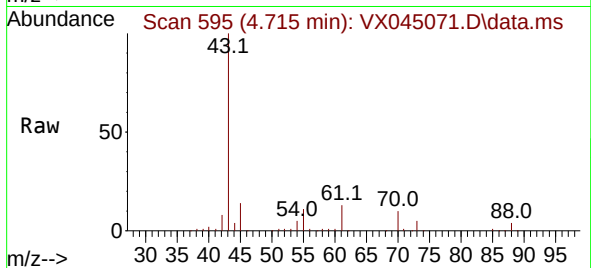
Tgt Ion: 43 Resp: 112892

Ion Ratio Lower Upper

43 100

61 13.5 10.8 16.2

70 9.6 7.7 11.5



#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

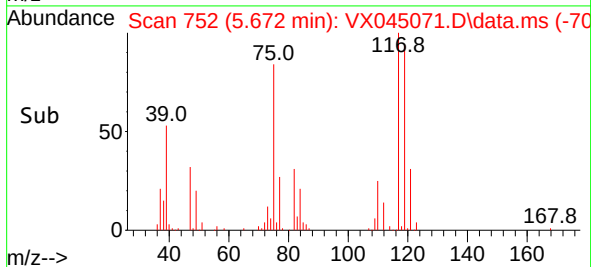
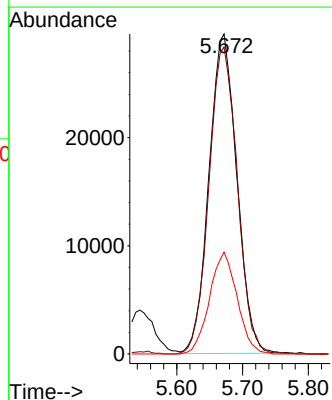
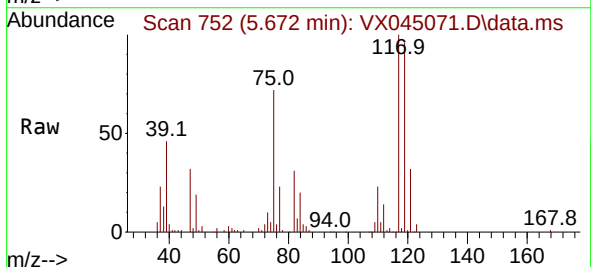
Tgt Ion: 117 Resp: 87123

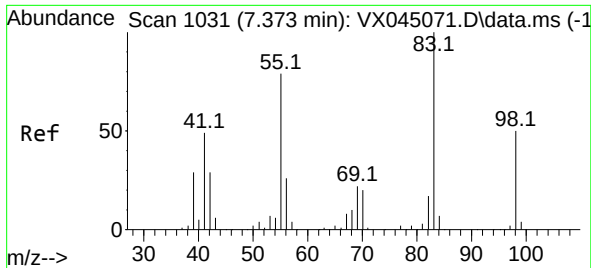
Ion Ratio Lower Upper

117 100

119 95.9 76.7 115.1

121 31.9 25.5 38.3

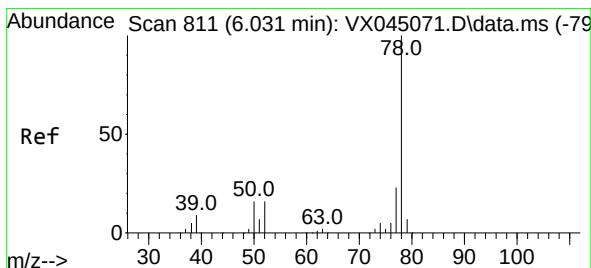
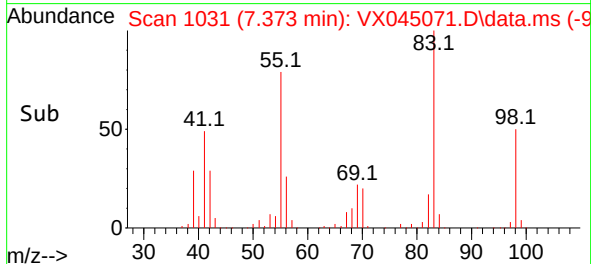
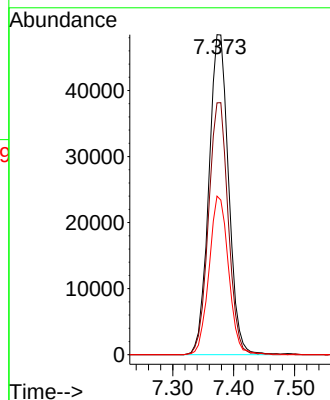
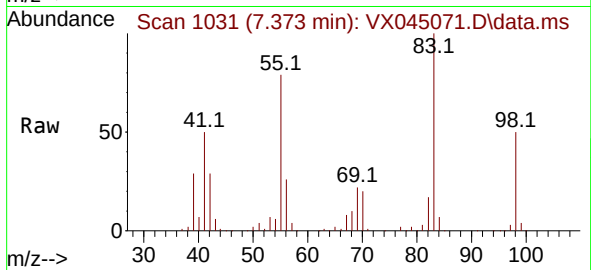




#39
Methylcyclohexane
Concen: 48.715 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

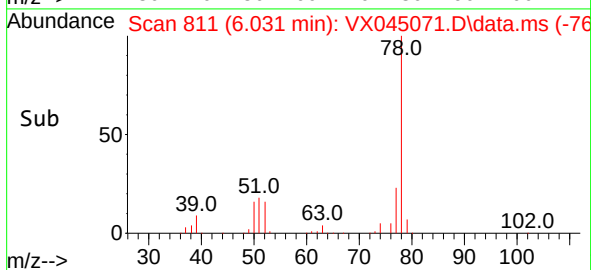
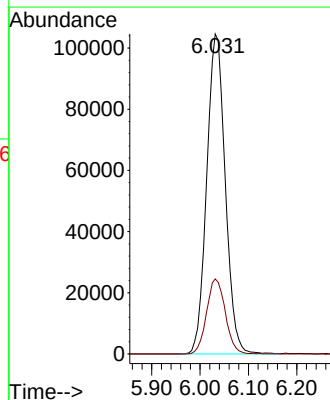
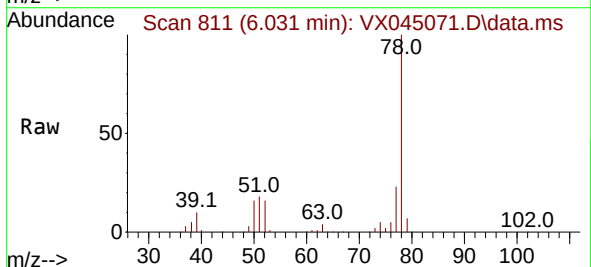
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

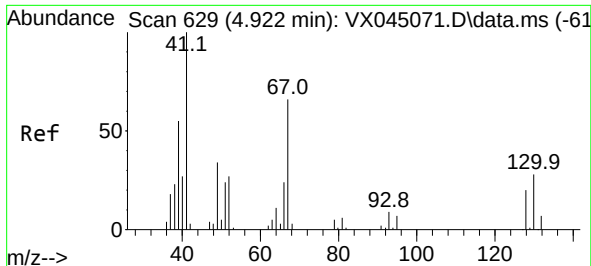
Tgt Ion: 83 Resp: 108974
Ion Ratio Lower Upper
83 100
55 78.7 63.0 94.4
98 49.6 39.7 59.5



#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

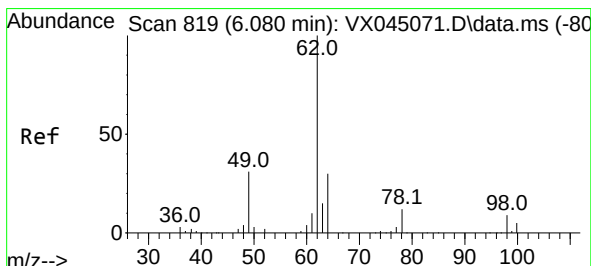
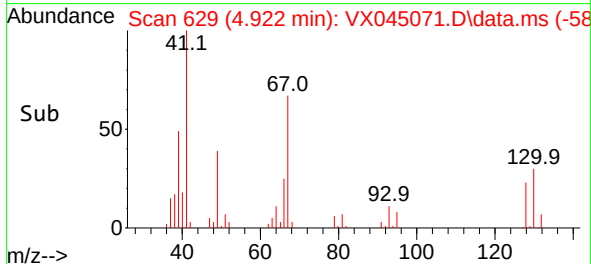
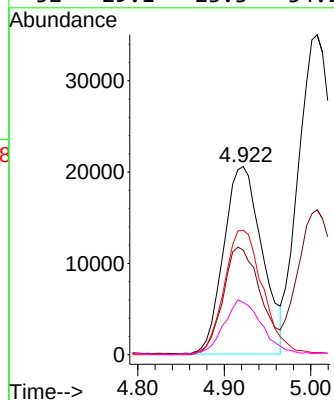
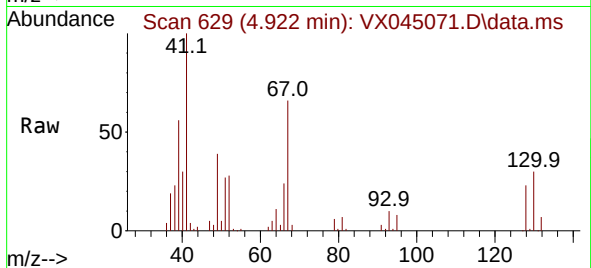




#41
Methacrylonitrile
Concen: 59.598 ug/l
RT: 4.922 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

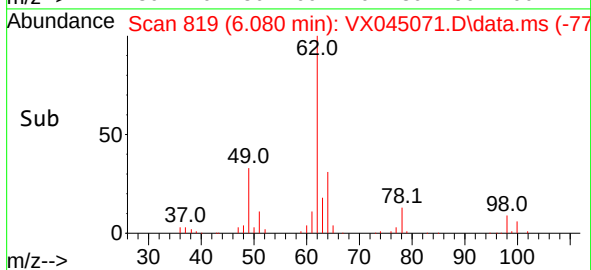
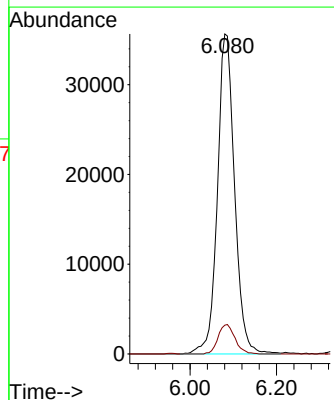
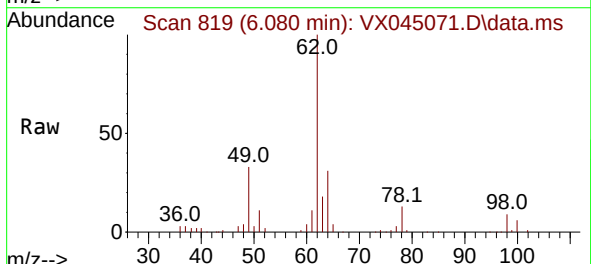
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

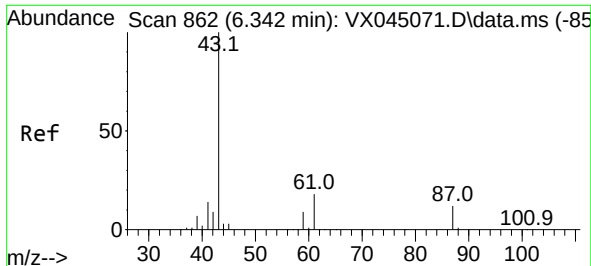
Tgt Ion:	41	Resp:	63454
Ion	Ratio	Lower	Upper
41	100		
39	55.8	44.6	67.0
67	67.4	53.9	80.9
52	29.1	23.3	34.9



#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

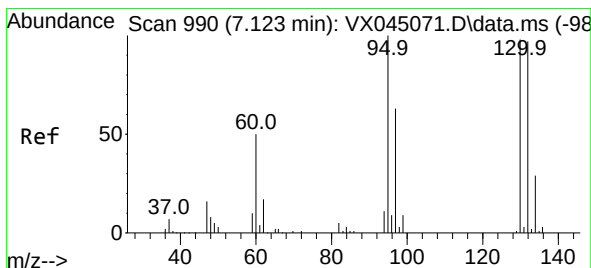
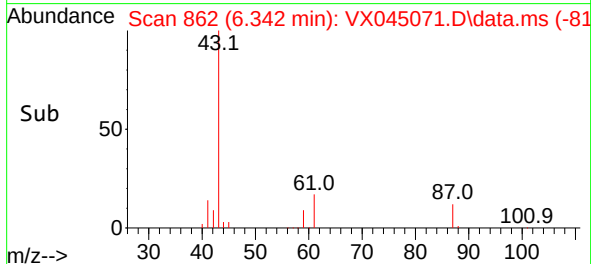
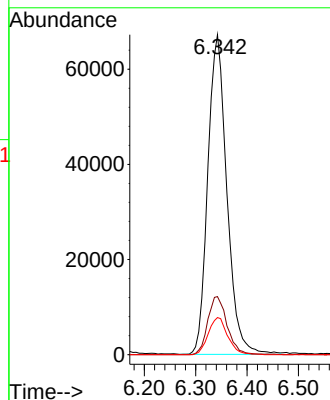
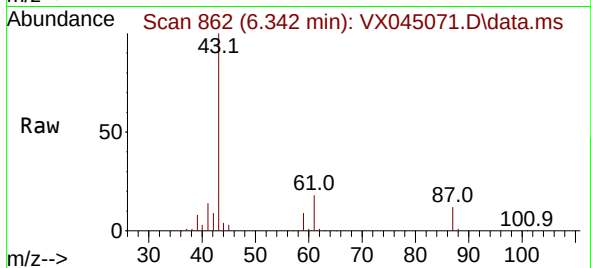




#43
Isopropyl Acetate
Concen: 54.544 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

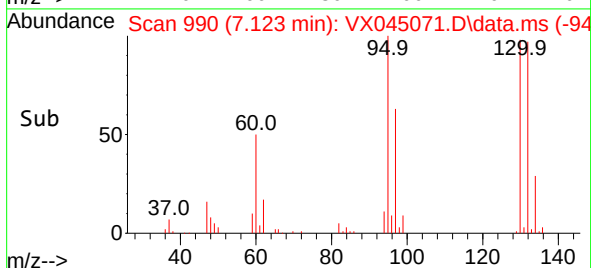
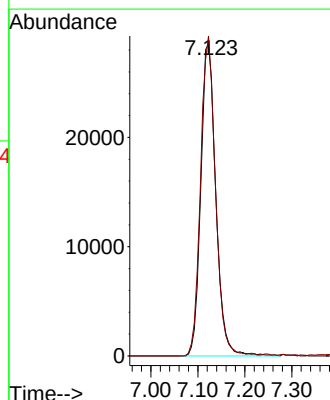
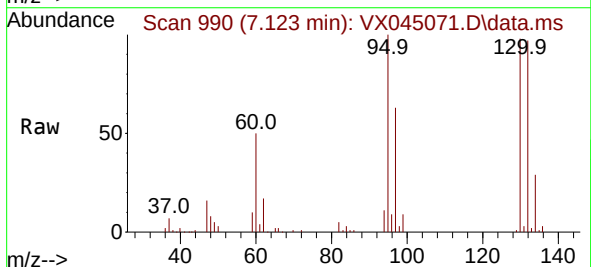
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

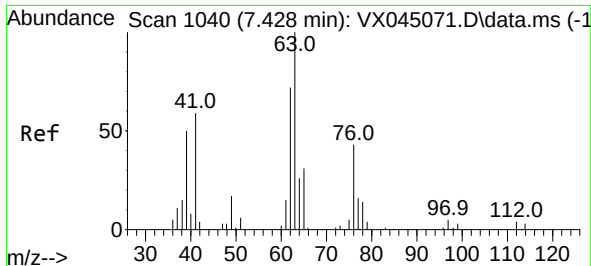
Tgt Ion: 43 Resp: 173045
Ion Ratio Lower Upper
43 100
61 18.6 14.9 22.3
87 11.8 9.4 14.2



#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

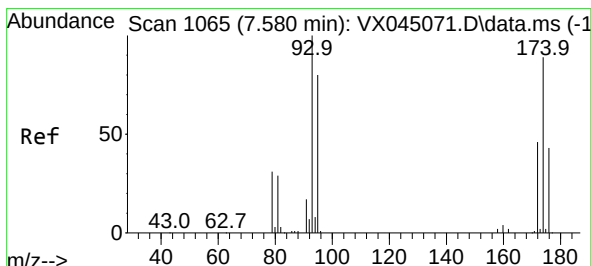
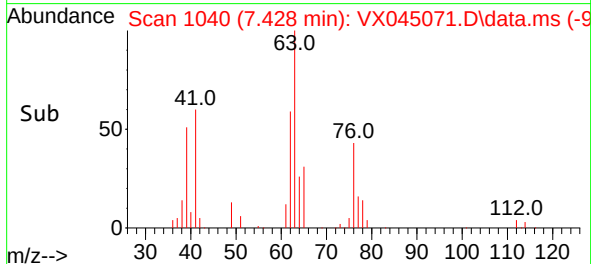
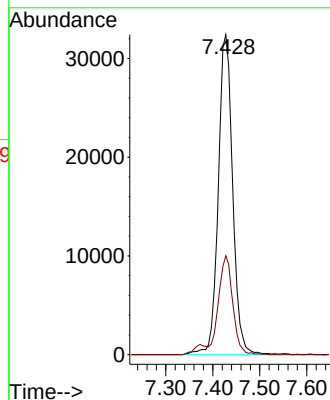
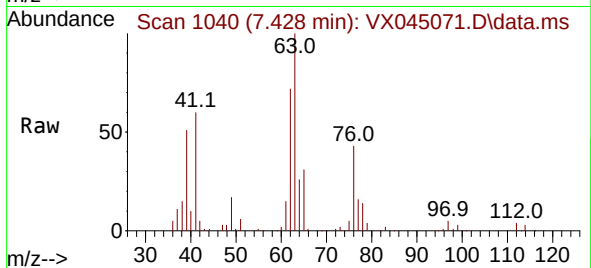




#45
1,2-Dichloropropane
Concen: 50.808 ug/l
RT: 7.428 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

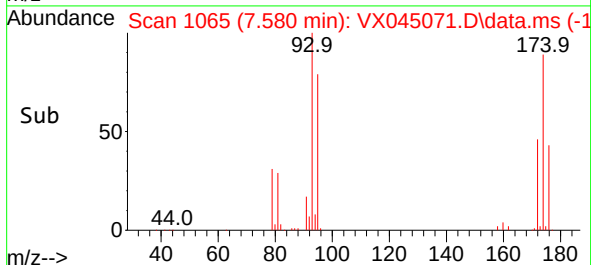
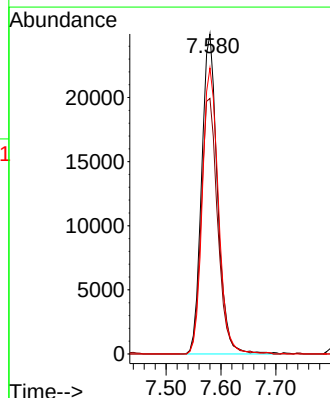
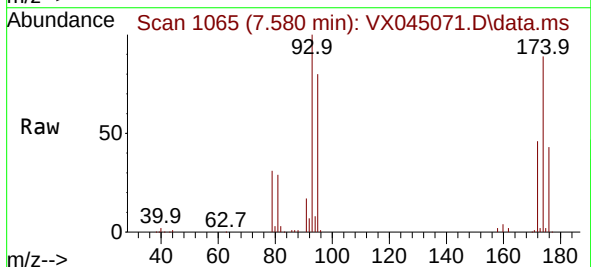
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

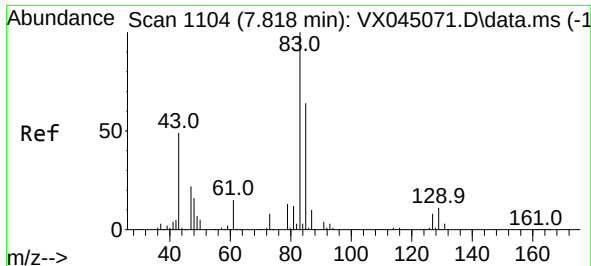
Tgt Ion: 63 Resp: 69128
Ion Ratio Lower Upper
63 100
65 30.9 24.7 37.1



#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

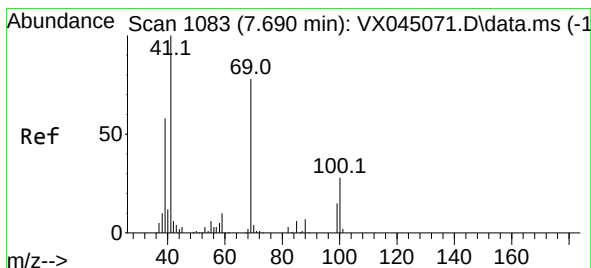
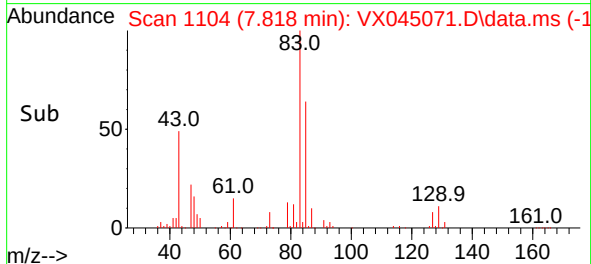
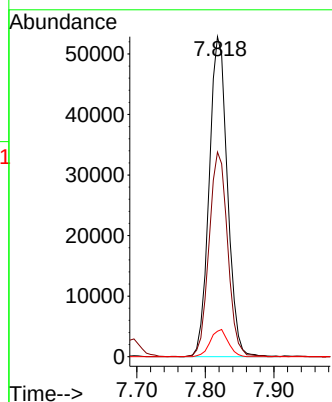
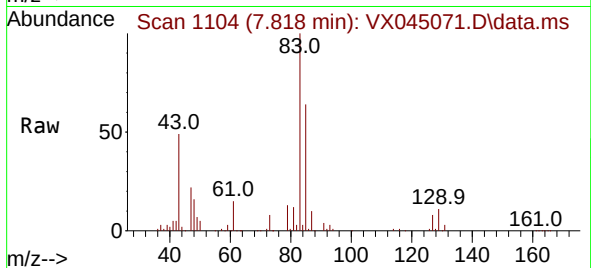




#47
Bromodichloromethane
Concen: 53.153 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

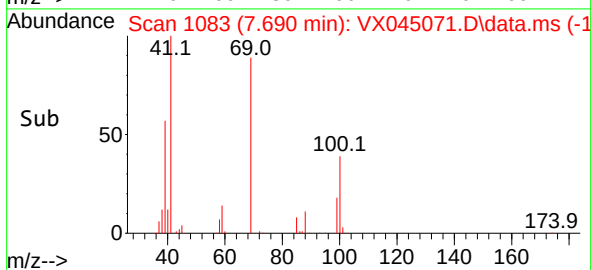
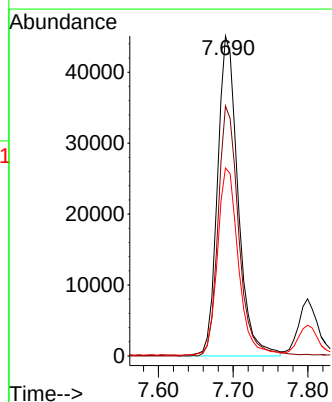
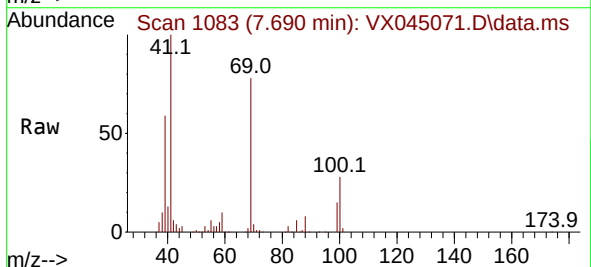
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

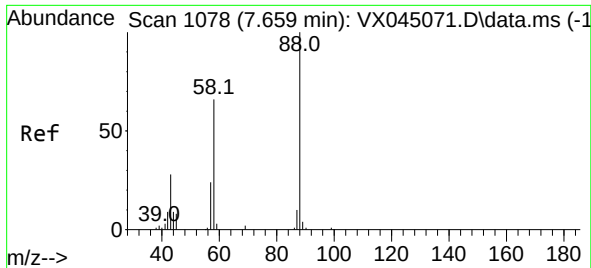
Tgt Ion: 83 Resp: 97729
Ion Ratio Lower Upper
83 100
85 63.9 51.1 76.7
127 8.0 6.4 9.6



#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

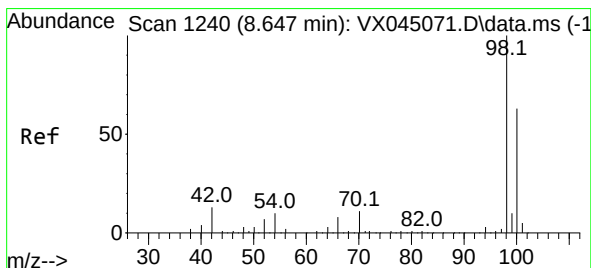
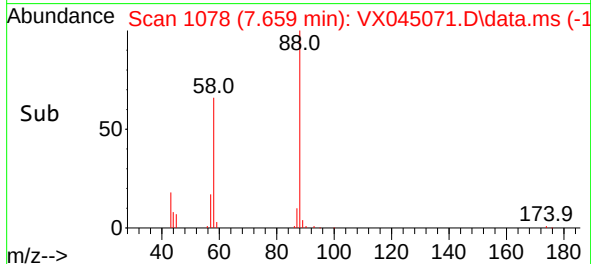
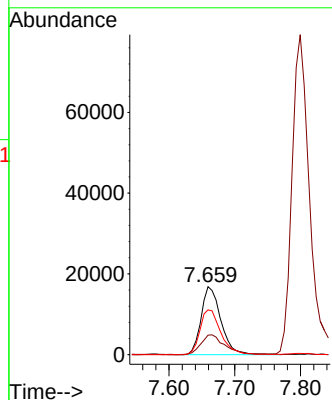
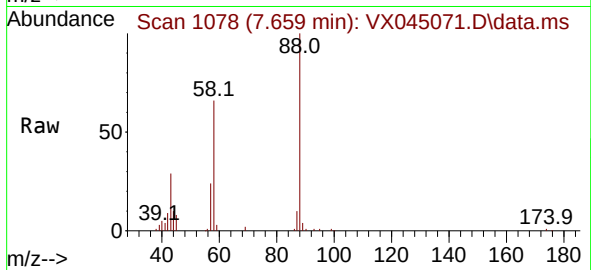




#49
1,4-Dioxane
Concen: 1095.003 ug/l
RT: 7.659 min Scan# 1078
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

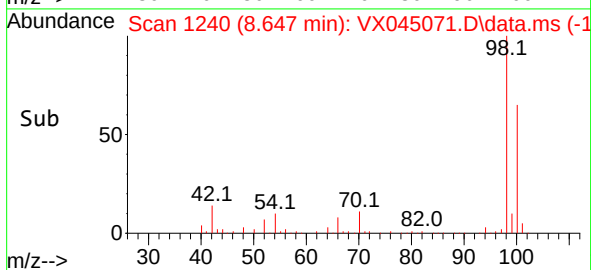
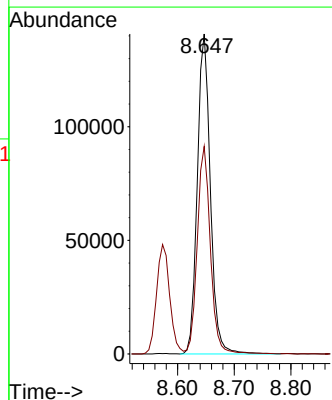
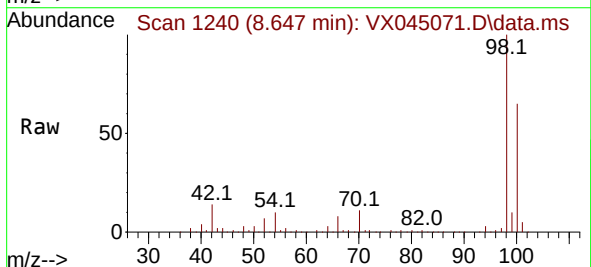
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

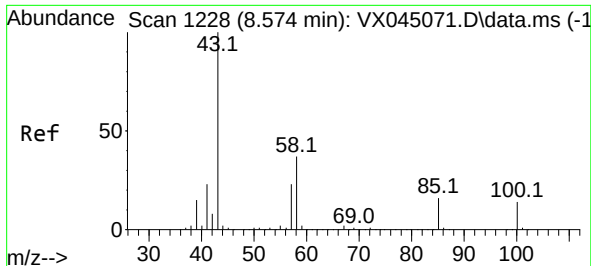
Tgt Ion: 88 Resp: 35053
Ion Ratio Lower Upper
88 100
43 35.9 28.7 43.1
58 69.8 55.8 83.8



#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

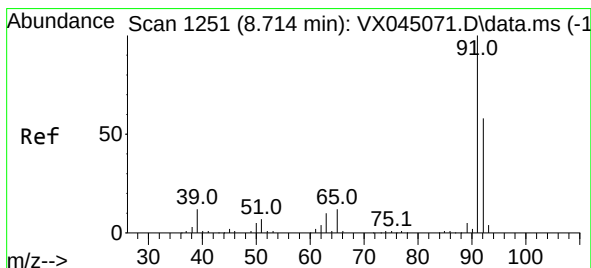
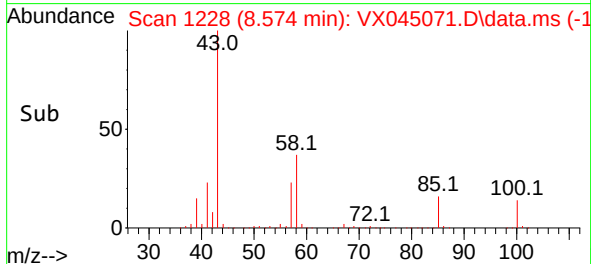
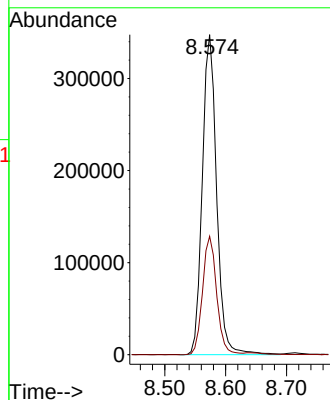
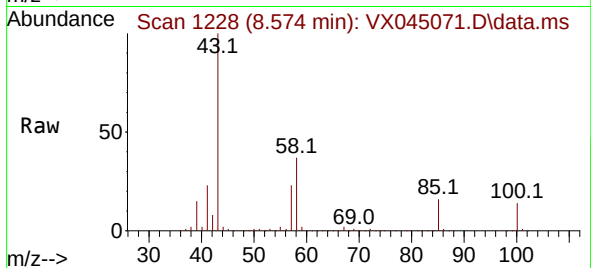




#51
4-Methyl-2-Pentanone
Concen: 292.570 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

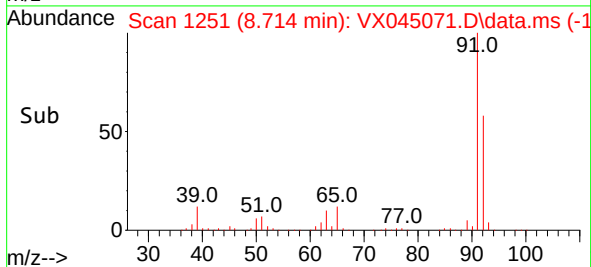
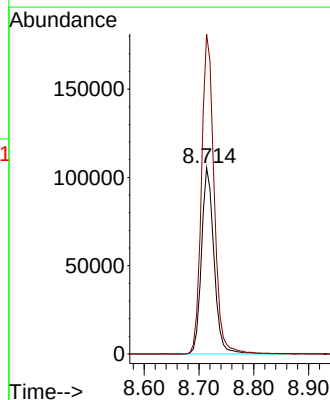
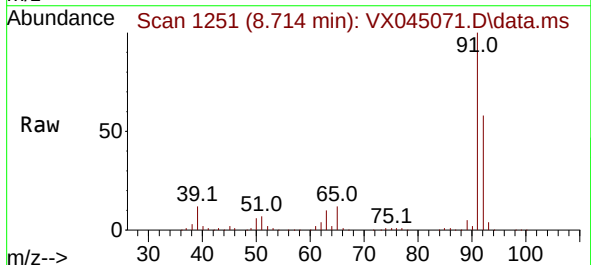
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

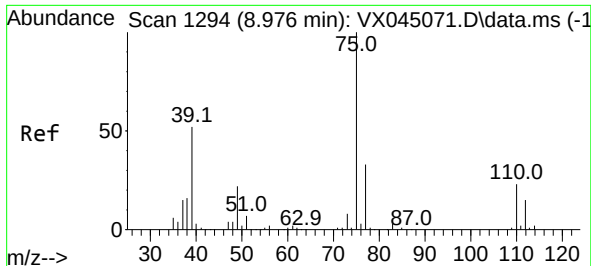
Tgt Ion: 43 Resp: 568737
Ion Ratio Lower Upper
43 100
58 36.5 29.2 43.8



#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 :

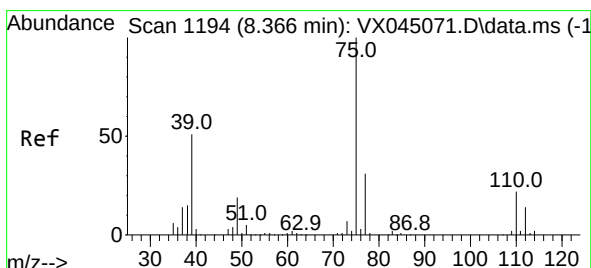
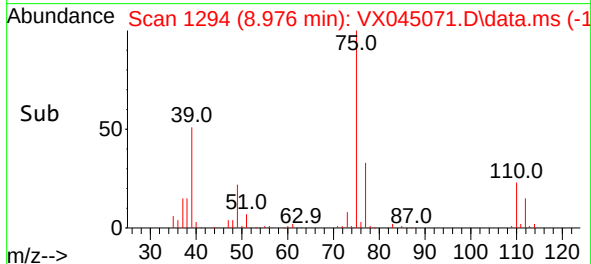
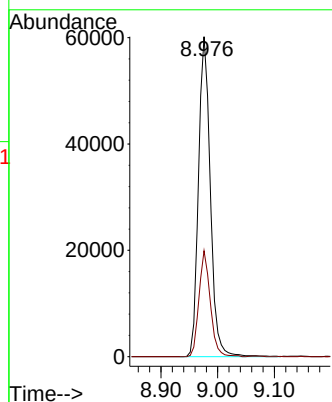
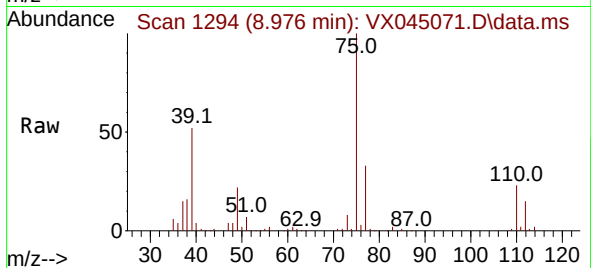
VSTDICCC050

Tgt Ion: 75 Resp: 87373

Ion Ratio Lower Upper

75 100

77 33.1 26.5 39.7



#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

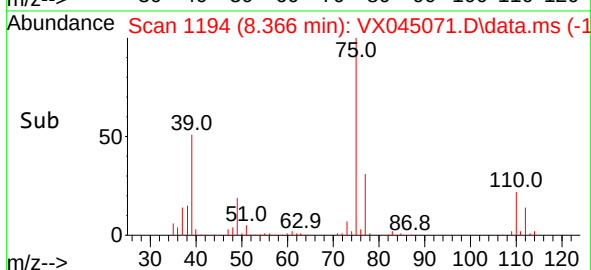
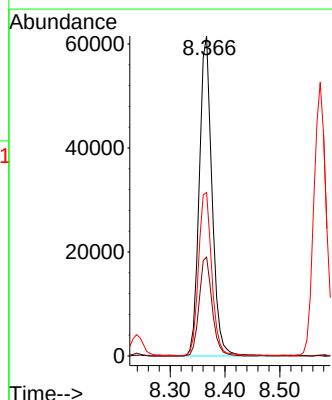
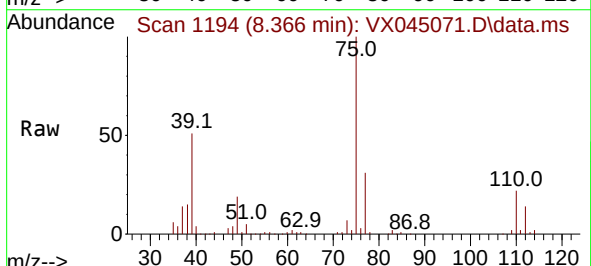
Tgt Ion: 75 Resp: 99713

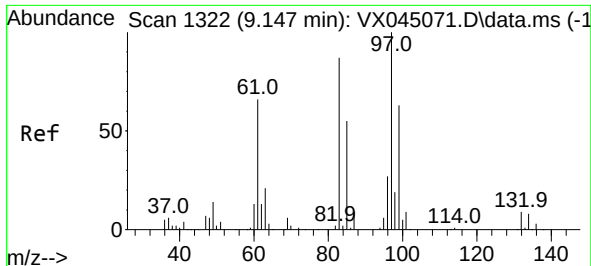
Ion Ratio Lower Upper

75 100

77 30.9 24.7 37.1

39 50.9 40.7 61.1



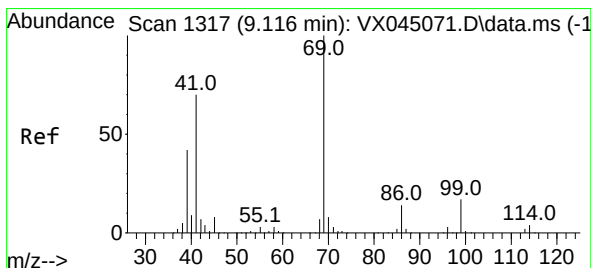
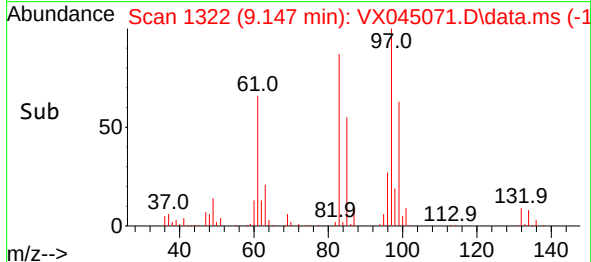
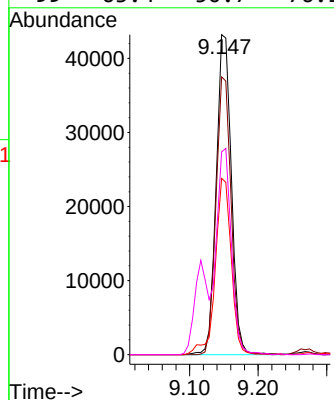
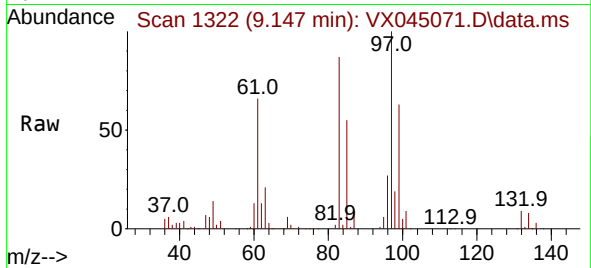


#55
 1,1,2-Trichloroethane
 Concen: 52.724 ug/l
 RT: 9.147 min Scan# 1322
 Delta R.T. 0.000 min
 Lab File: VX045071.D
 Acq: 28 Feb 2025 03:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 97 Resp: 66379

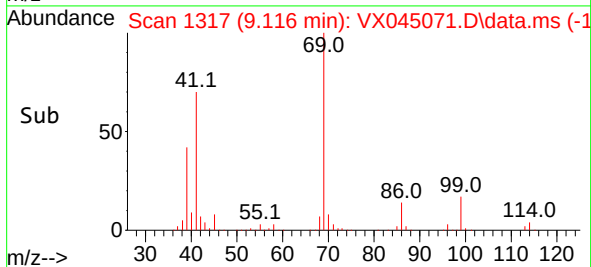
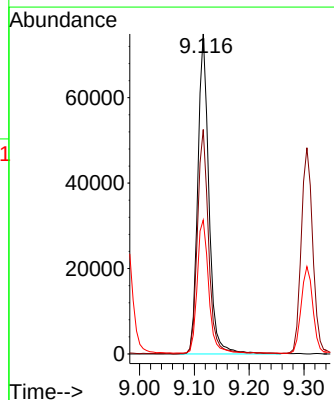
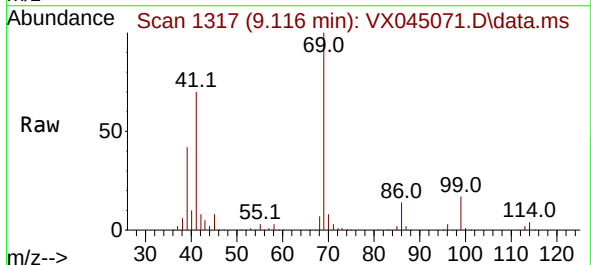
Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.4	104.2
85	55.1	44.1	66.1
99	63.4	50.7	76.1

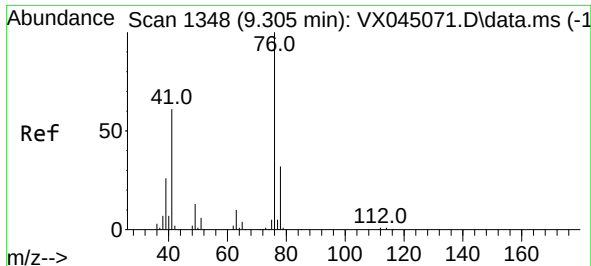


#56
 Ethyl methacrylate
 Concen: 52.724 ug/l
 RT: 9.116 min Scan# 1317
 Delta R.T. 0.000 min
 Lab File: VX045071.D
 Acq: 28 Feb 2025 03:00

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# 115488

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

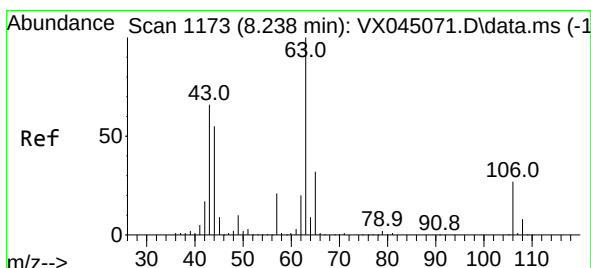
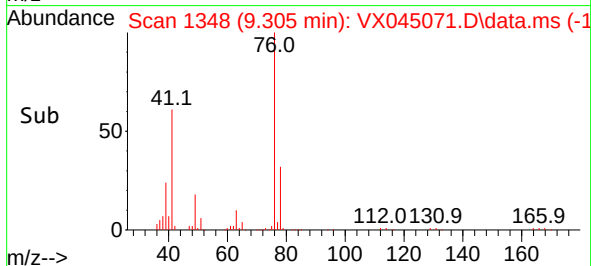
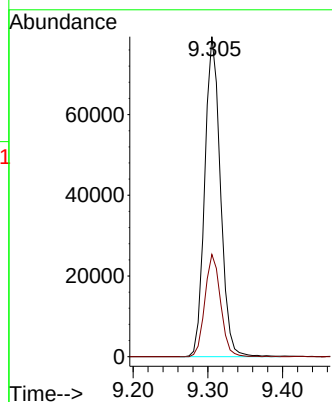
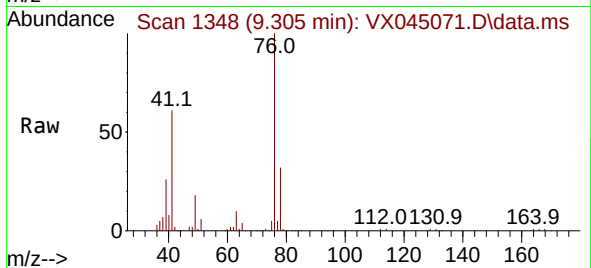
VSTDICCC050

Tgt Ion: 76 Resp: 115488

Ion Ratio Lower Upper

76 100

78 31.9 25.5 38.3



#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

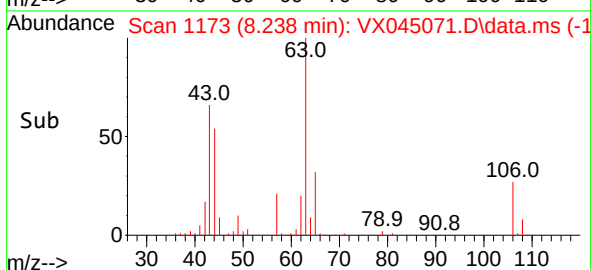
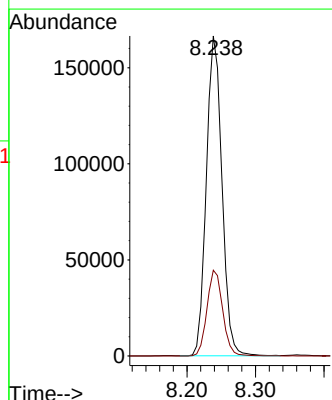
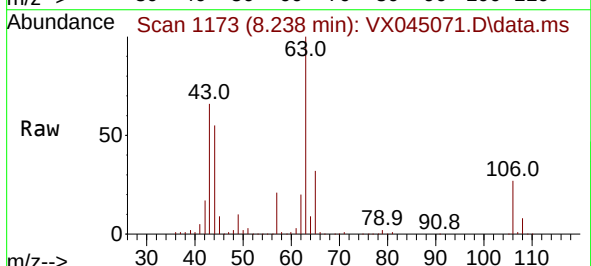
Acq: 28 Feb 2025 03:00

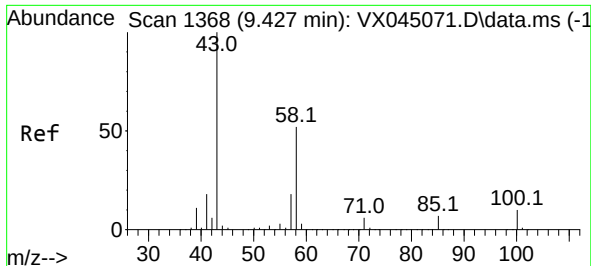
Tgt Ion: 63 Resp: 264555

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 :

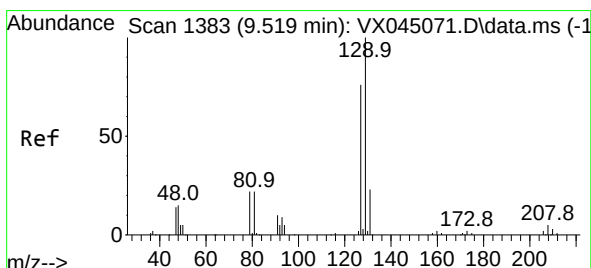
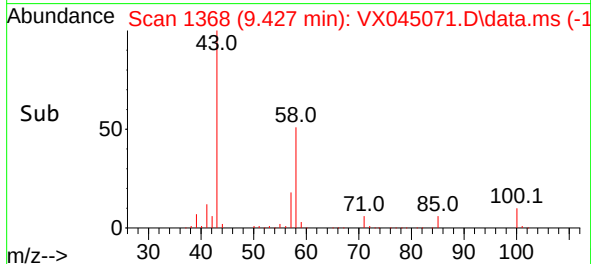
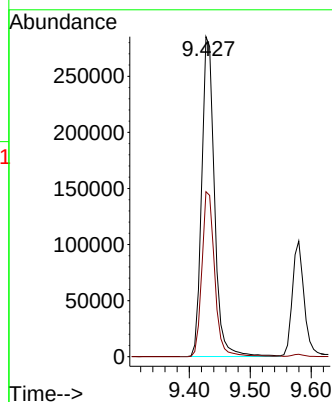
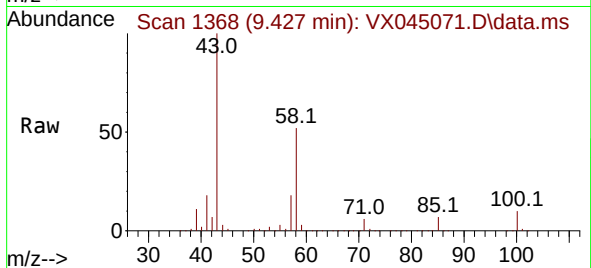
VSTDICCC050

Tgt Ion: 43 Resp: 416984

Ion Ratio Lower Upper

43 100

58 51.7 25.9 77.6



#60

Dibromochloromethane

Concen: 53.284 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX045071.D

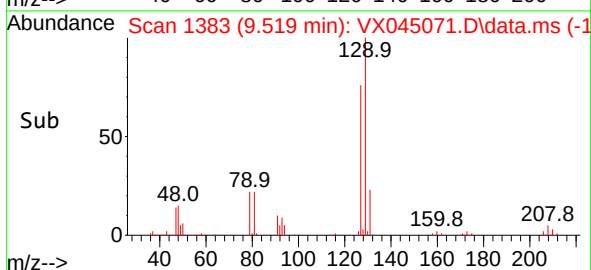
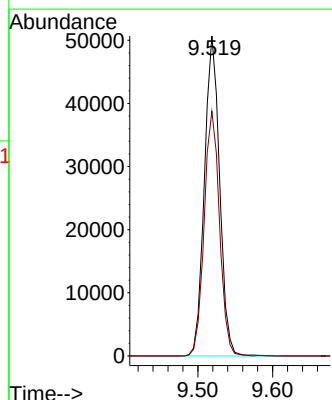
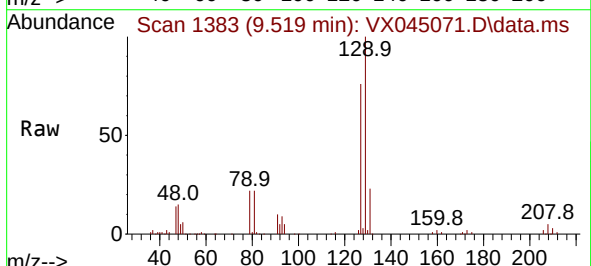
Acq: 28 Feb 2025 03:00

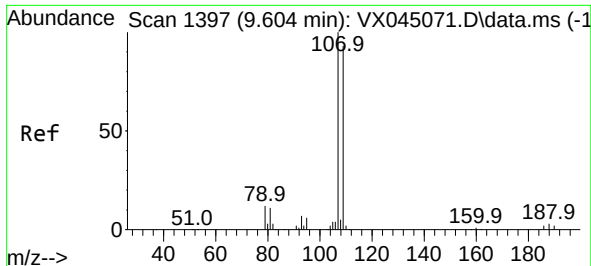
Tgt Ion: 129 Resp: 71569

Ion Ratio Lower Upper

129 100

127 77.0 38.5 115.5

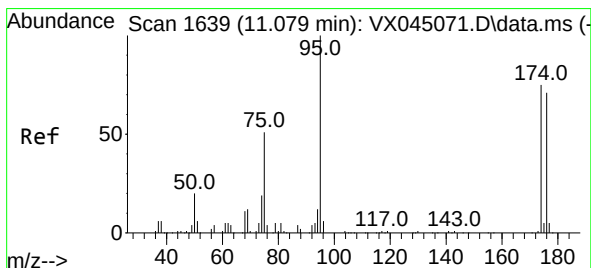
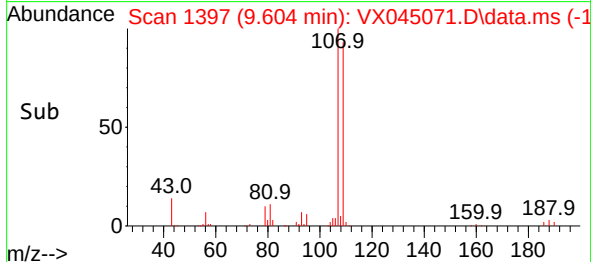
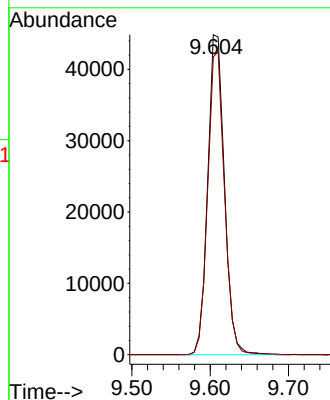
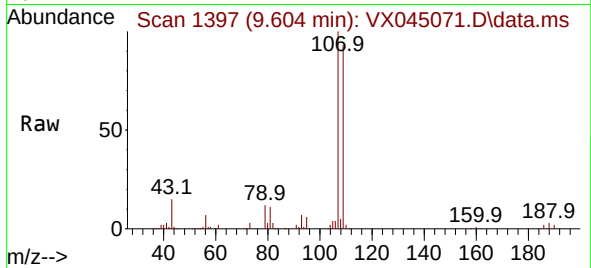




#61
1,2-Dibromoethane
Concen: 52.217 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

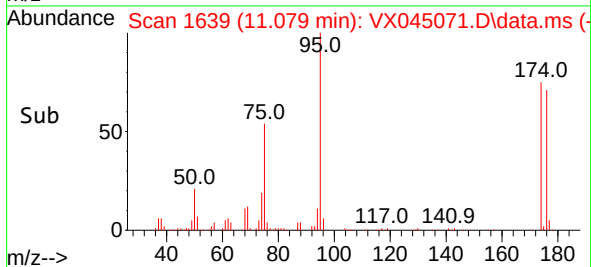
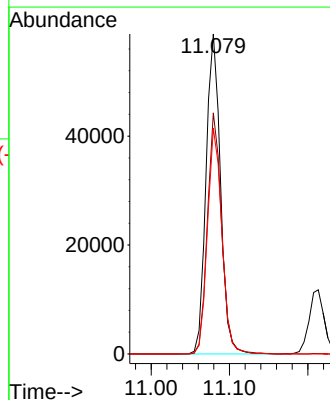
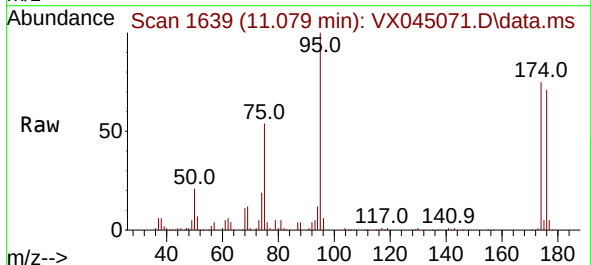
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

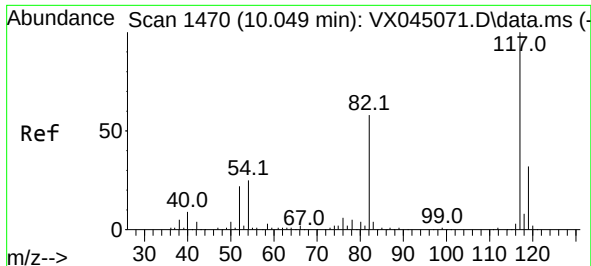
Tgt Ion:107 Resp: 66312
Ion Ratio Lower Upper
107 100
109 95.1 76.1 114.1



#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

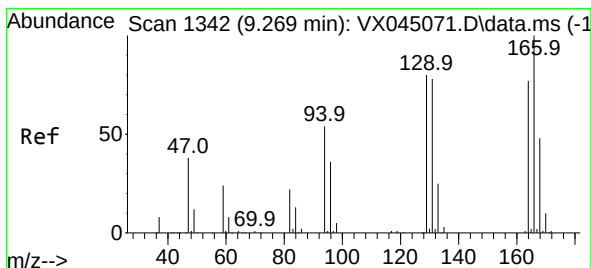
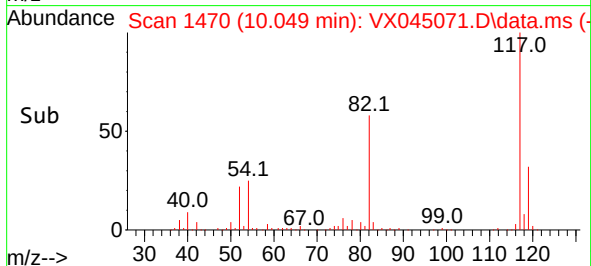
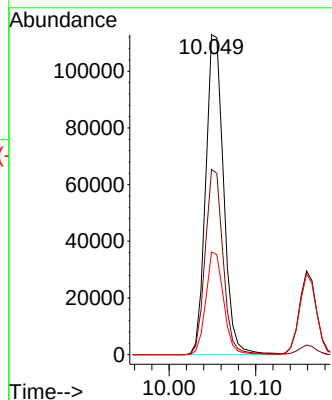
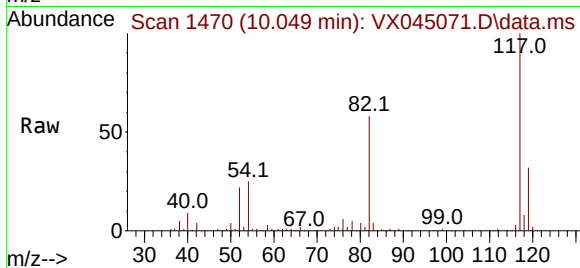
Tgt Ion:117 Resp: 162079

Ion Ratio Lower Upper

117 100

82 57.9 46.3 69.5

119 32.1 25.7 38.5



#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

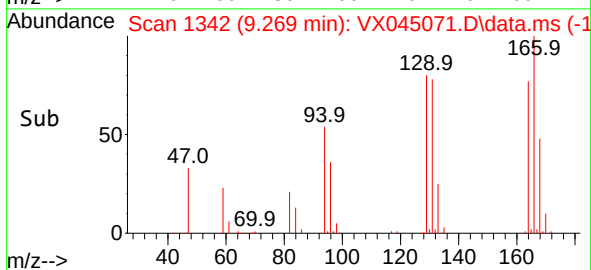
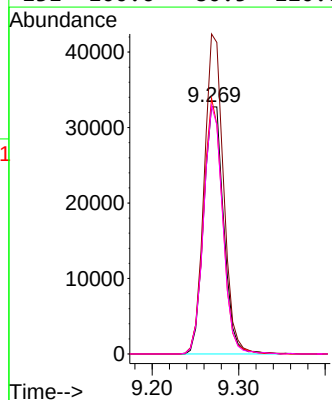
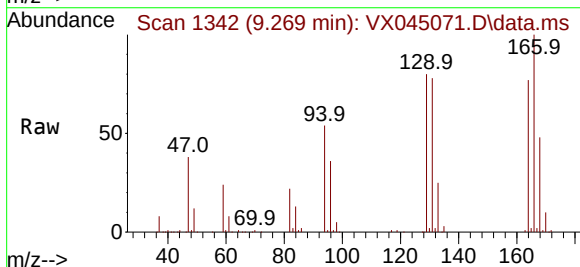
Ion Ratio Lower Upper

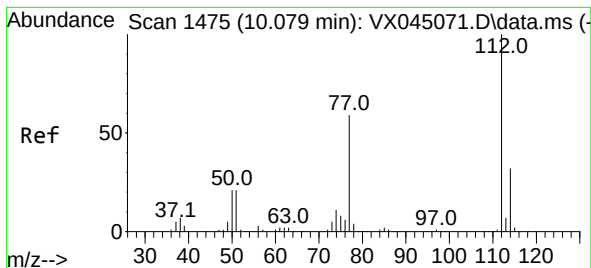
164 100

166 129.5 103.6 155.4

129 103.4 82.7 124.1

131 100.6 80.5 120.7

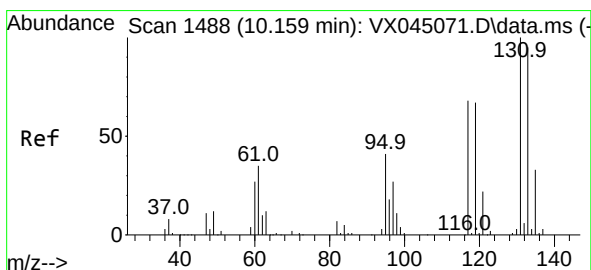
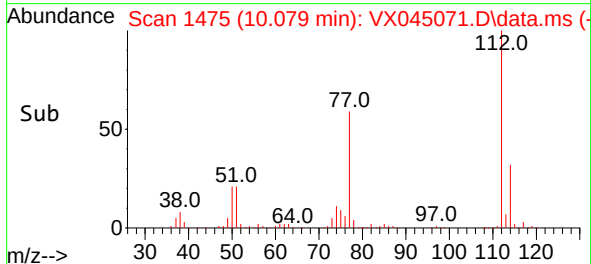
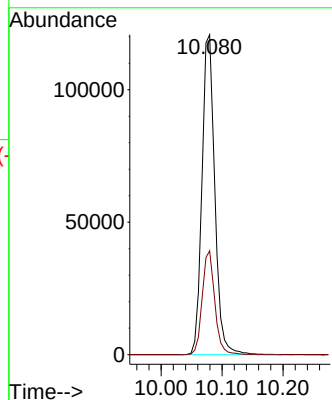
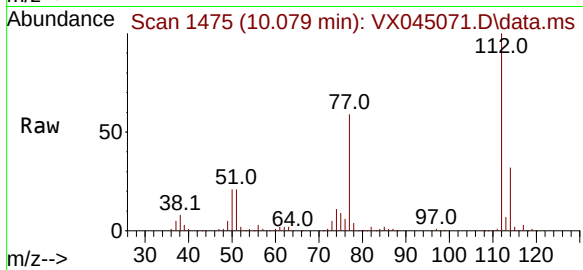




#65
Chlorobenzene
Concen: 50.853 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

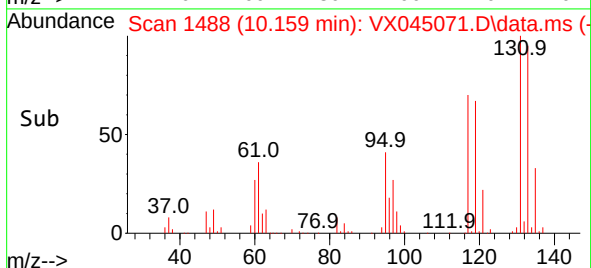
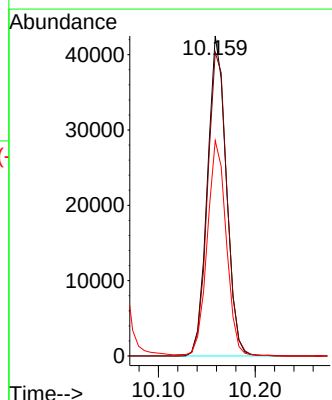
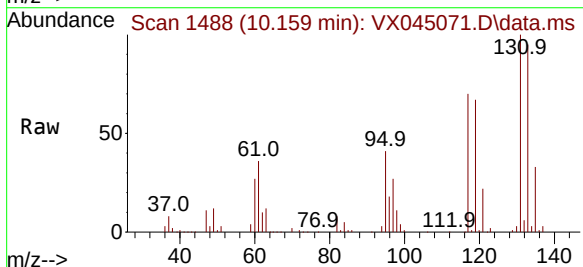
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

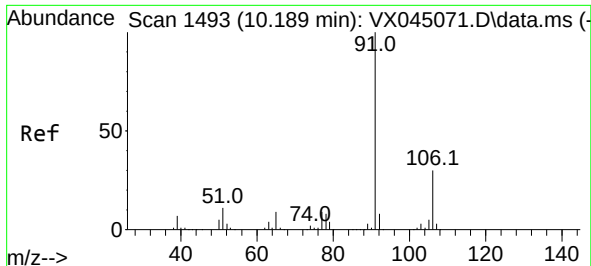
Tgt Ion:112 Resp: 176922
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0



#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

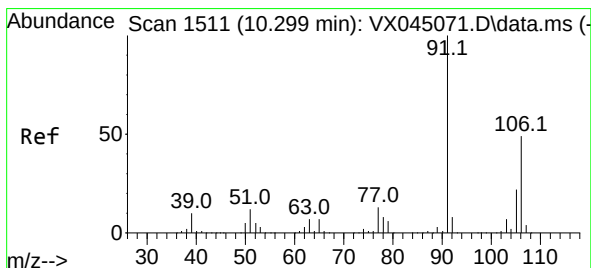
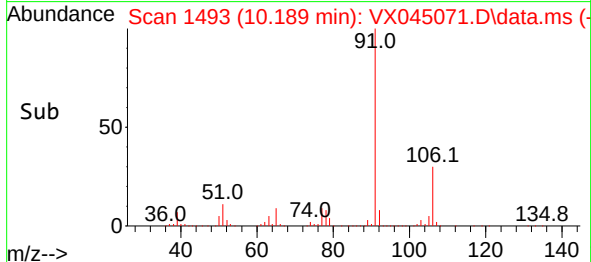
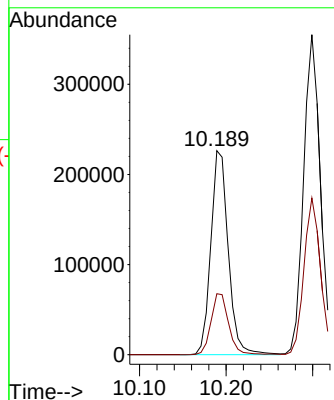
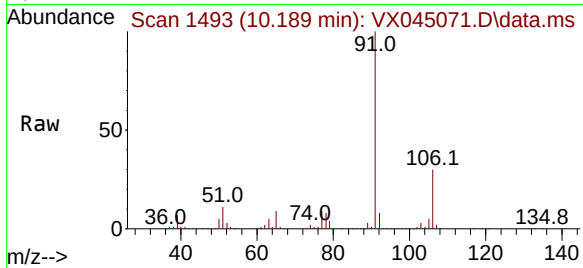




#67
Ethyl Benzene
Concen: 51.431 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

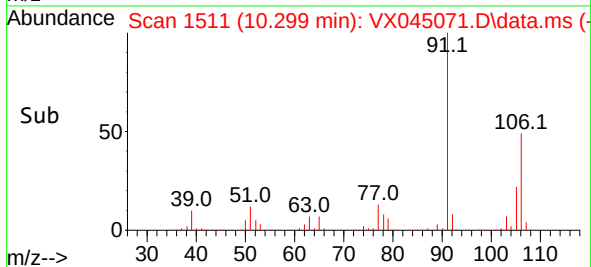
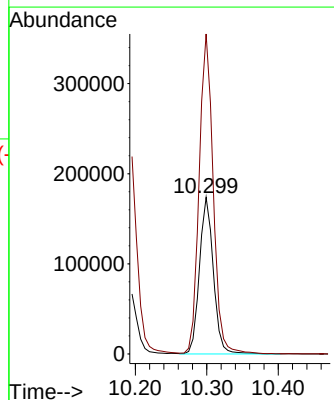
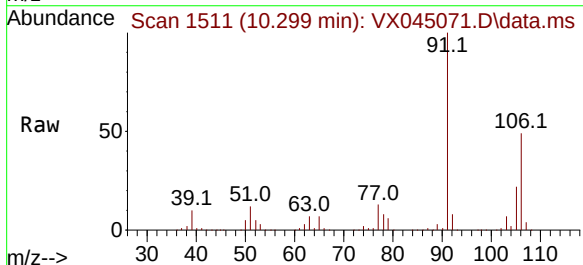
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

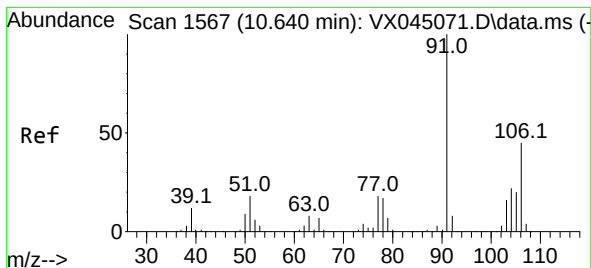
Tgt Ion: 91 Resp: 316427
Ion Ratio Lower Upper
91 100
106 29.9 23.9 35.9



#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

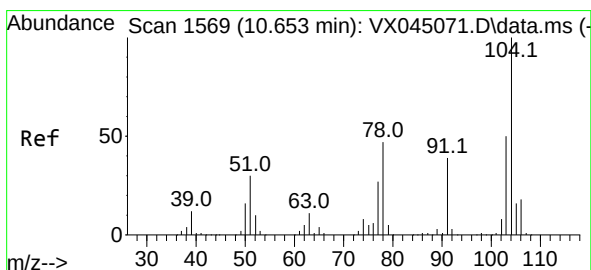
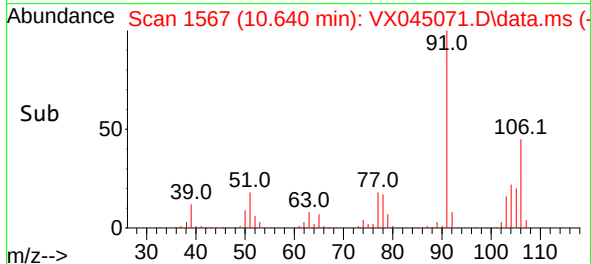
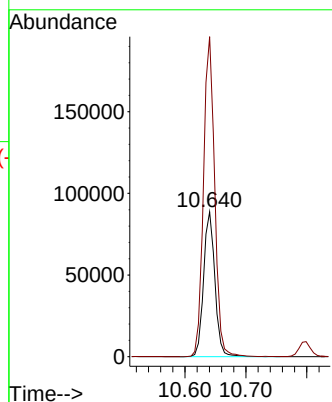
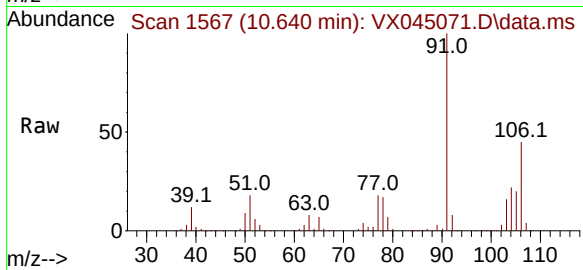




#69
o-Xylene
Concen: 50.341 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

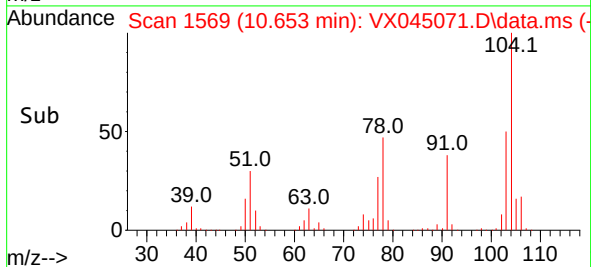
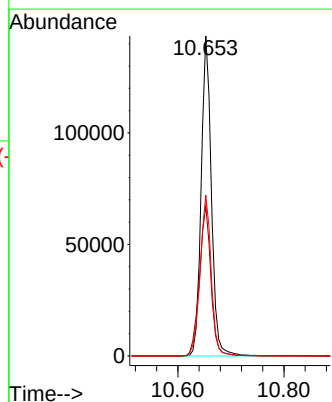
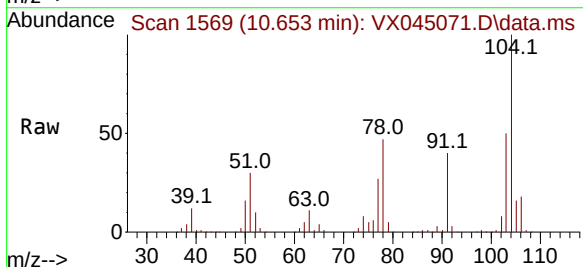
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

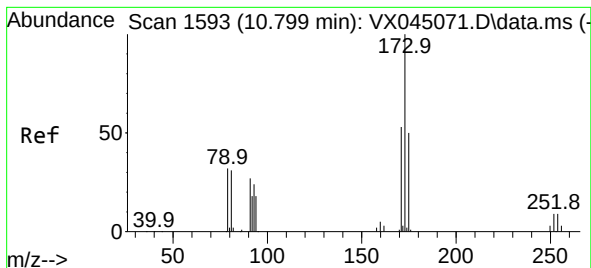
Tgt Ion:106 Resp: 114440
Ion Ratio Lower Upper
106 100
91 219.7 109.9 329.6



#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

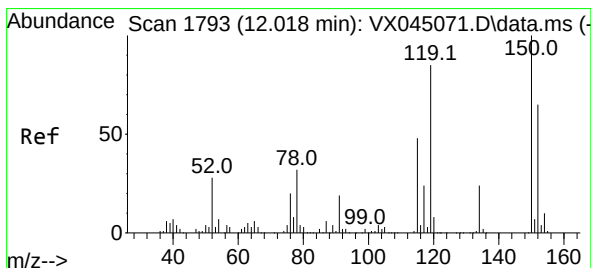
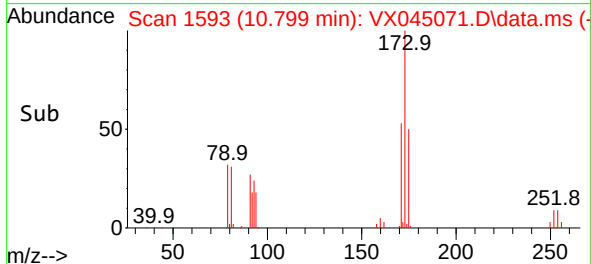
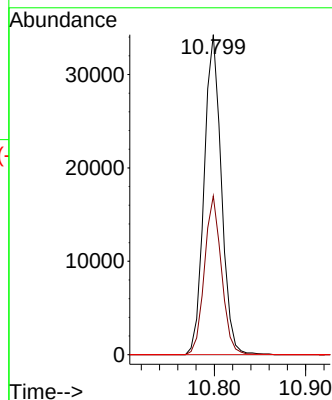
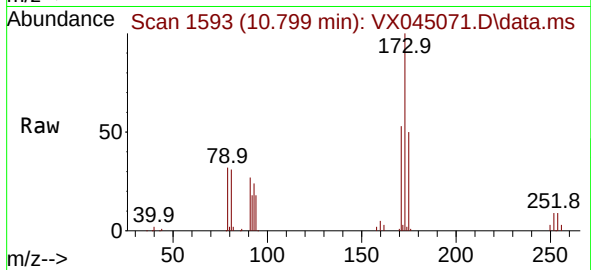




#71
Bromoform
Concen: 53.645 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

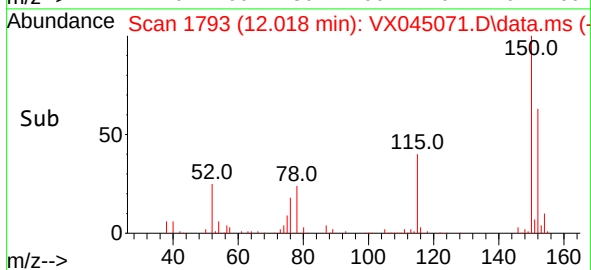
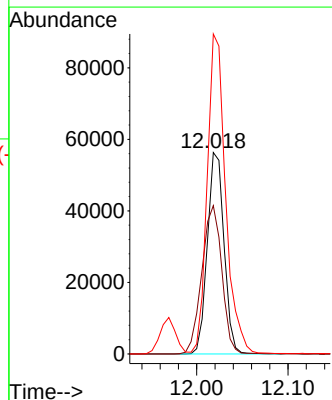
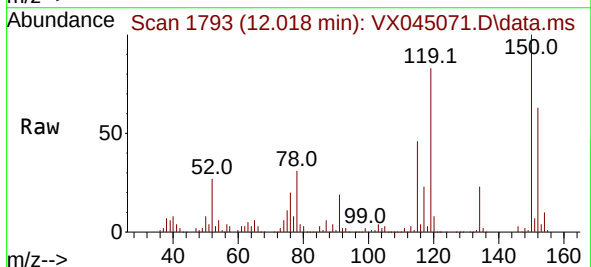
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

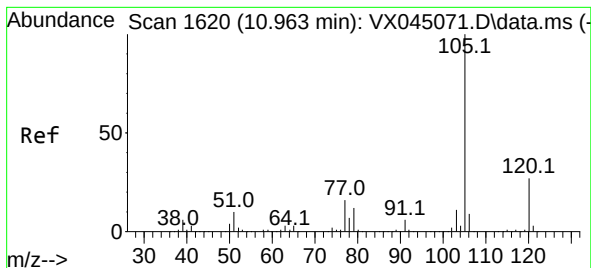
Tgt Ion:173 Resp: 44730
Ion Ratio Lower Upper
173 100
175 49.1 24.6 73.6
254 0.0 0.0 0.0



#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# 1

Delta R.T. 0.000 min

Lab File: VX045071.D

Acq: 28 Feb 2025 03:00

Instrument :

MSVOA_X

ClientSampleId :

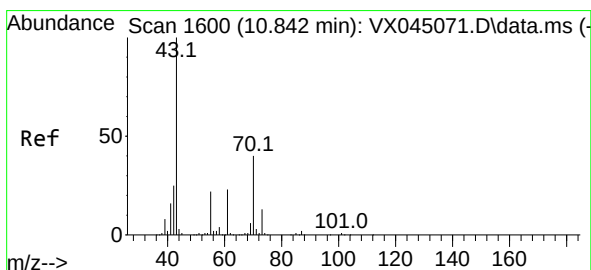
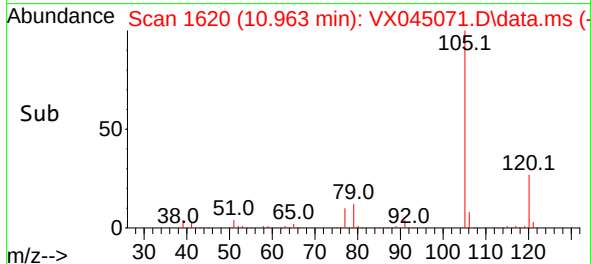
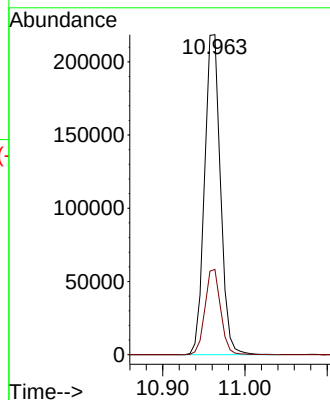
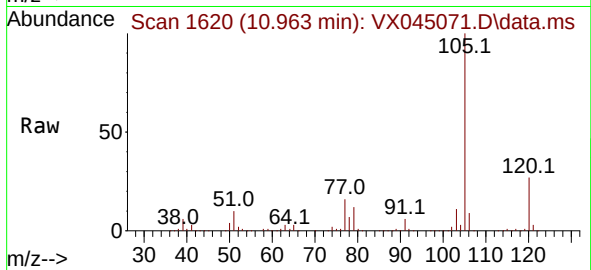
VSTDICCC050

Tgt Ion:105 Resp: 294694

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.5



#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

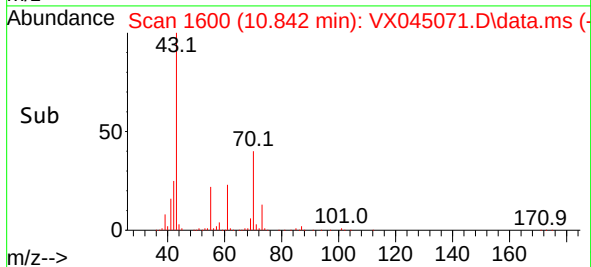
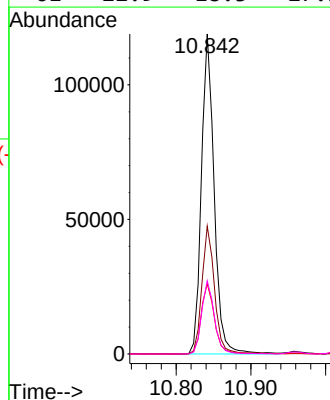
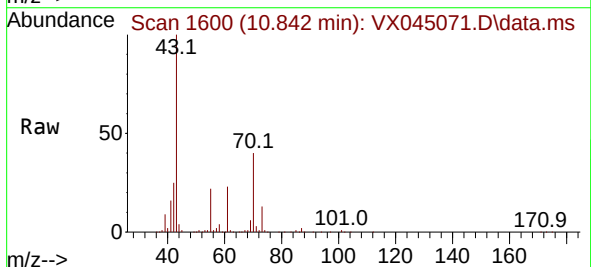
Ion Ratio Lower Upper

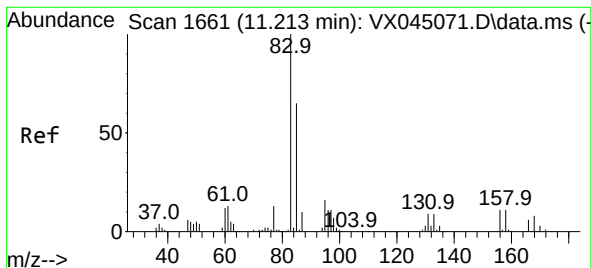
43 100

70 39.7 31.8 47.6

55 22.9 18.3 27.5

61 22.9 18.3 27.5

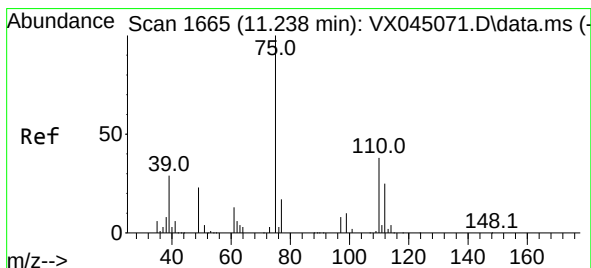
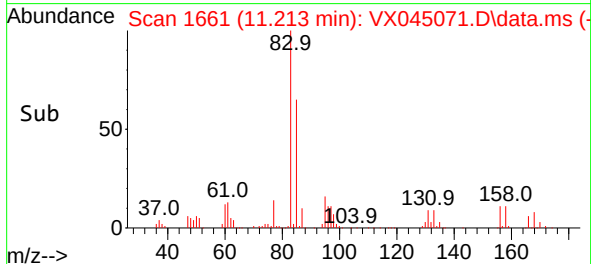
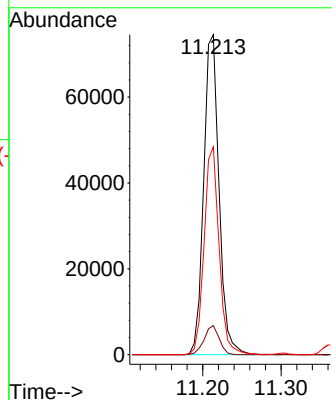
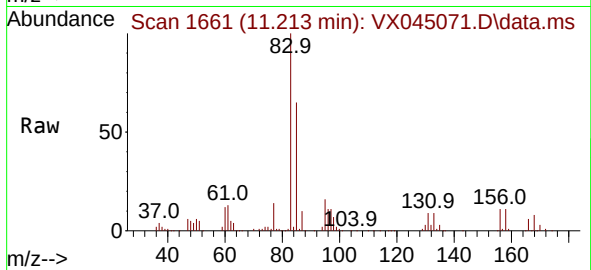




#75
1,1,2,2-Tetrachloroethane
Concen: 50.945 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

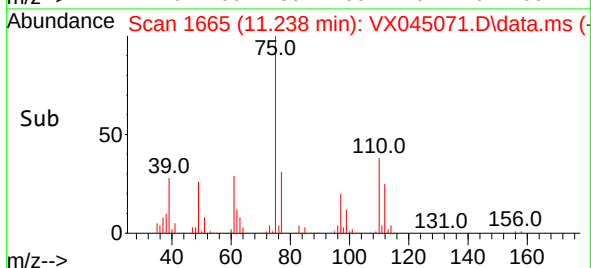
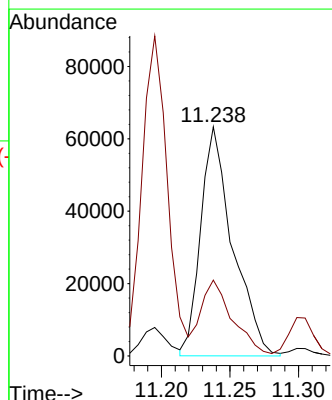
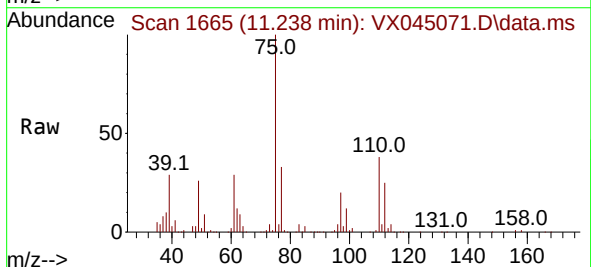
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

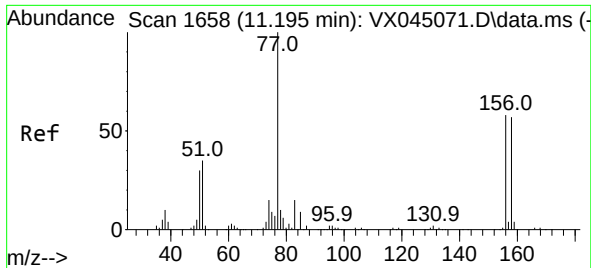
Tgt Ion: 83 Resp: 101089
Ion Ratio Lower Upper
83 100
131 8.9 4.5 13.4
85 63.4 31.7 95.1



#76
1,2,3-Trichloropropane
Concen: 64.894 ug/l
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: 103161
Ion Ratio Lower Upper
75 100
77 32.8 20.7 62.1

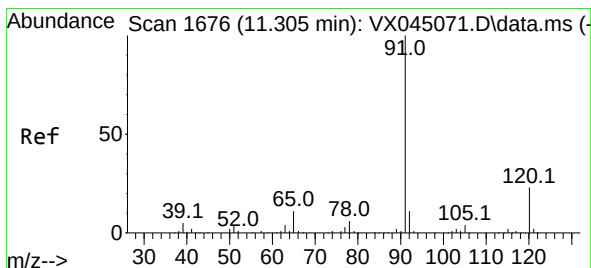
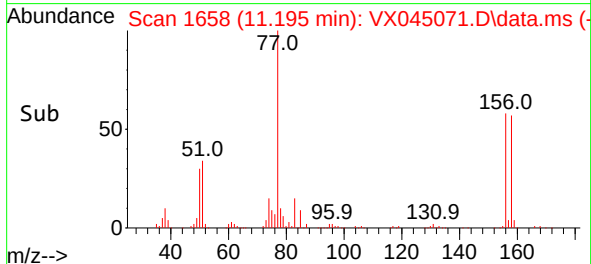
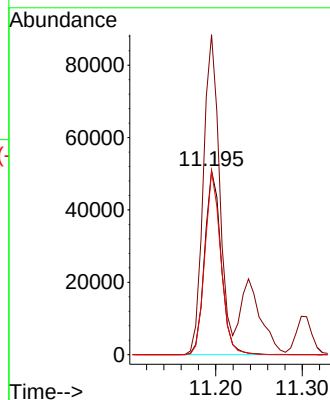
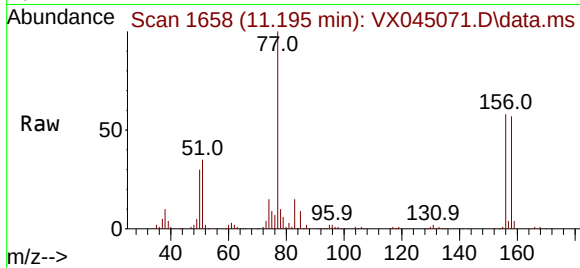




#77
Bromobenzene
Concen: 51.173 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

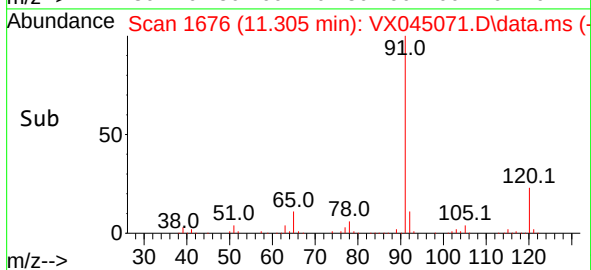
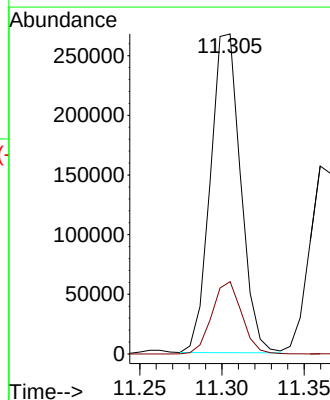
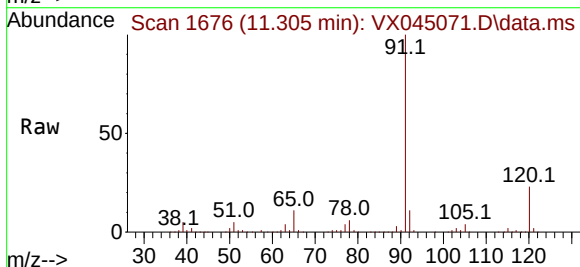
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

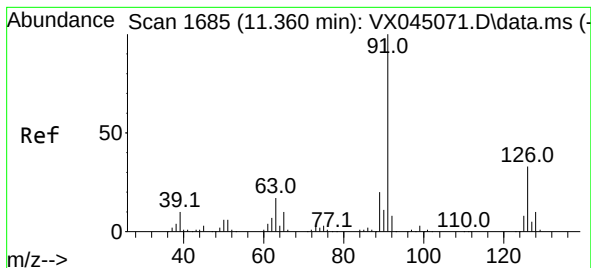
Tgt Ion:156 Resp: 66904
Ion Ratio Lower Upper
156 100
77 171.6 85.8 257.4
158 96.8 48.4 145.2



#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

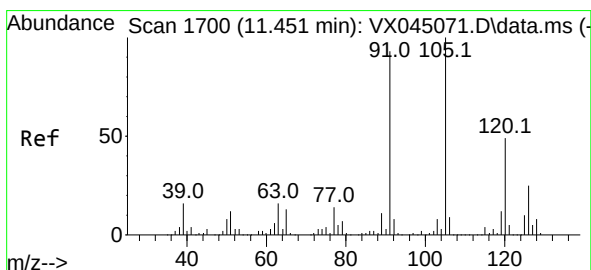
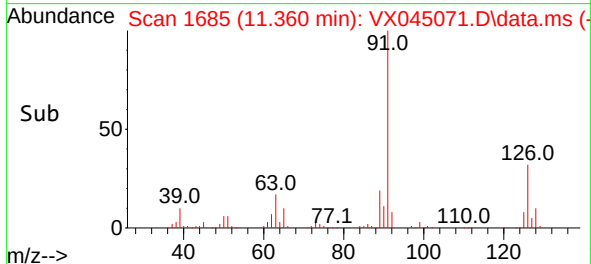
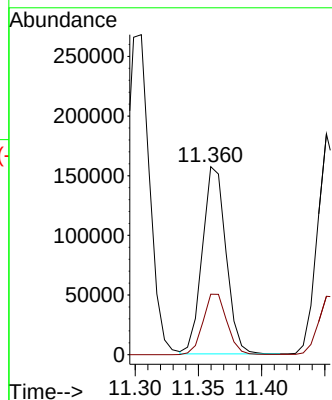
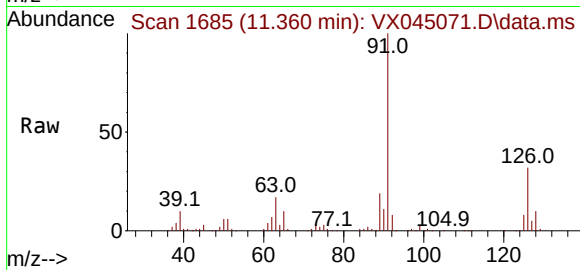




#79
2-Chlorotoluene
Concen: 50.154 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

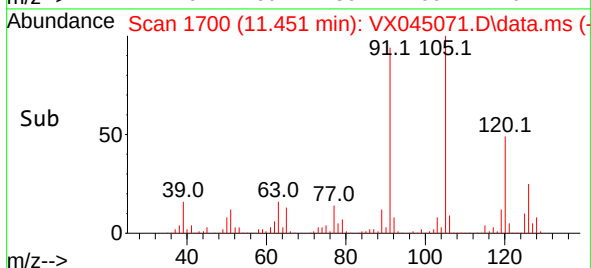
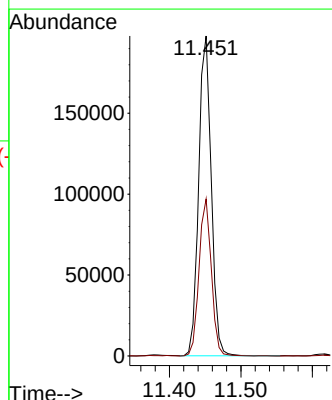
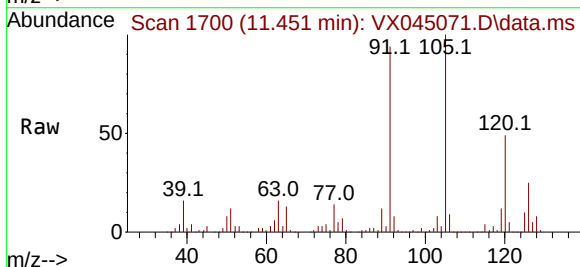
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

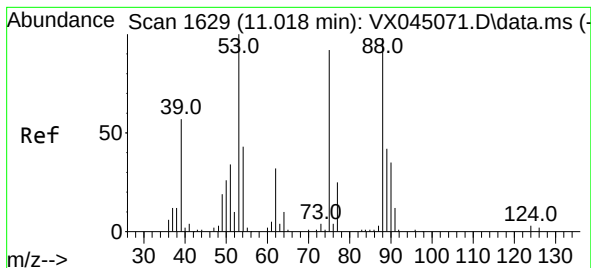
Tgt Ion: 91 Resp: 204484
Ion Ratio Lower Upper
91 100
126 32.9 16.4 49.4



#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

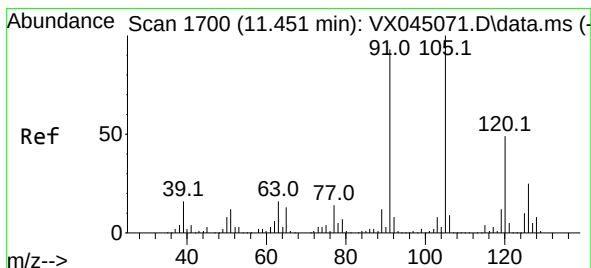
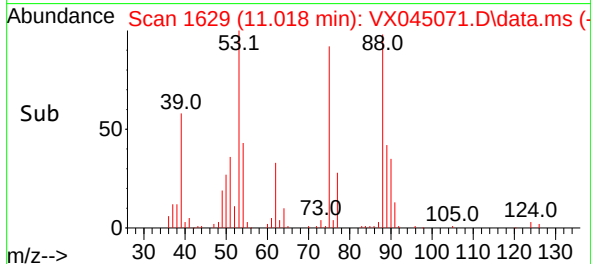
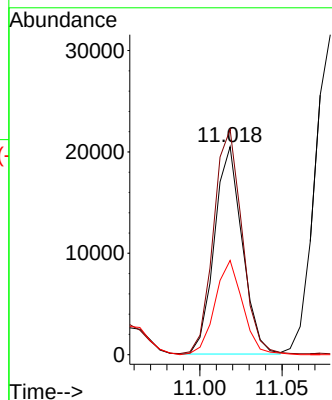
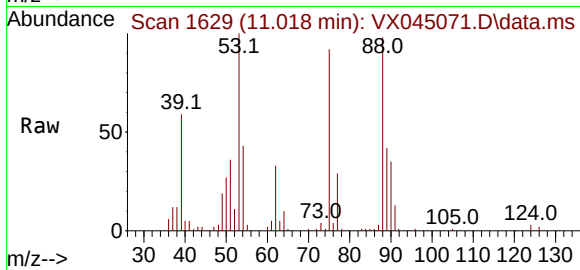




#81
trans-1,4-Dichloro-2-butene
Concen: 41.172 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

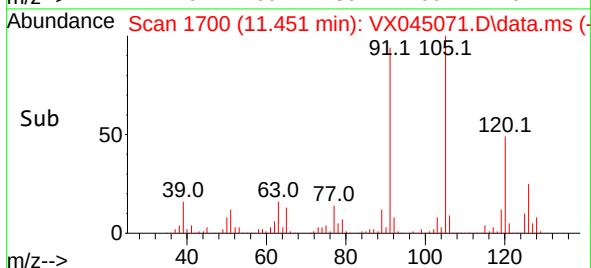
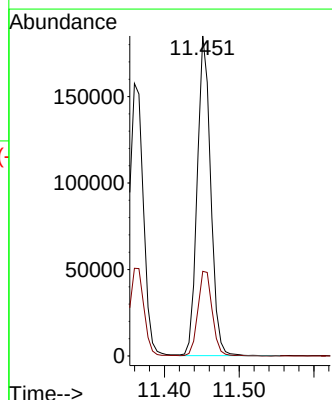
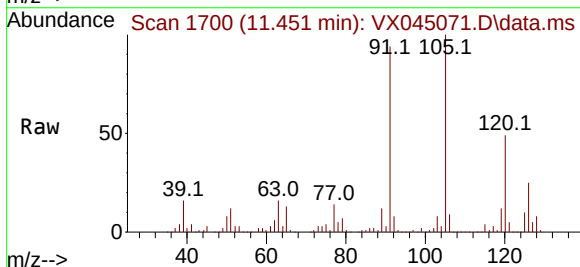
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

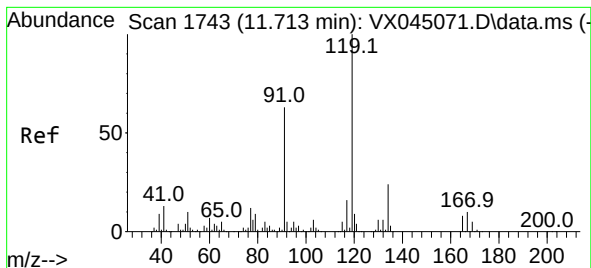
Tgt Ion: 75 Resp: 24135
Ion Ratio Lower Upper
75 100
53 110.6 88.5 132.7
89 45.3 36.2 54.4



#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

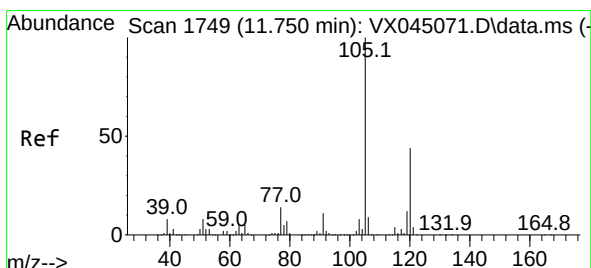
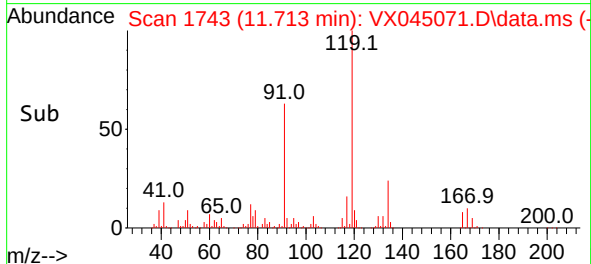
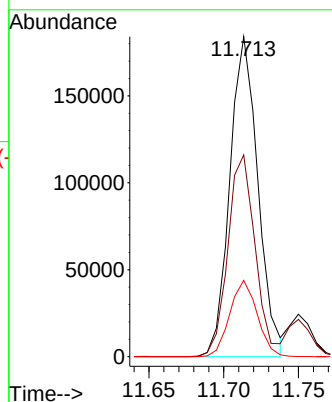
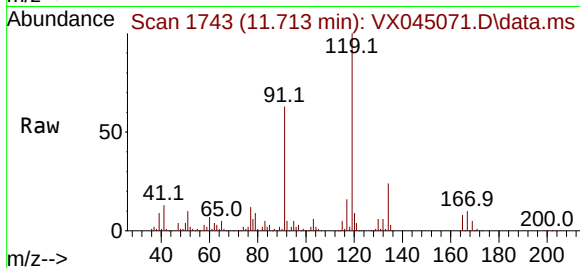




#83
tert-Butylbenzene
Concen: 50.895 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

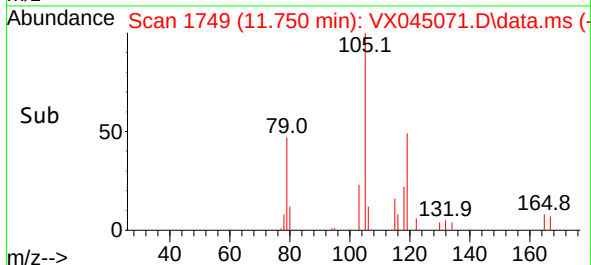
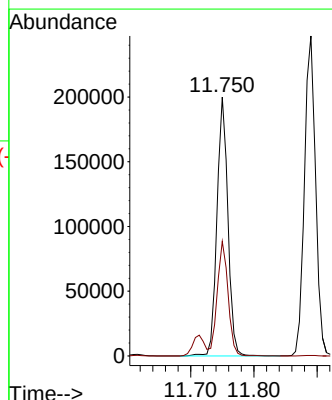
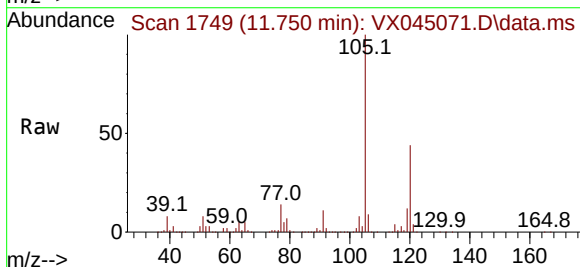
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

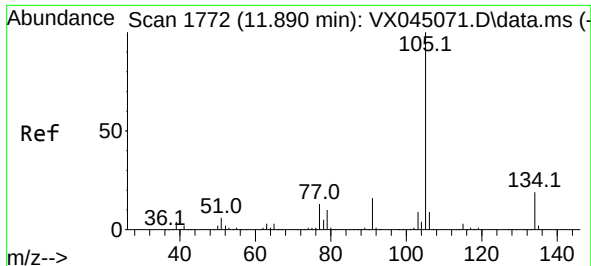
Tgt Ion:119 Resp: 240510
Ion Ratio Lower Upper
119 100
91 61.4 30.7 92.1
134 23.3 11.7 35.0



#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

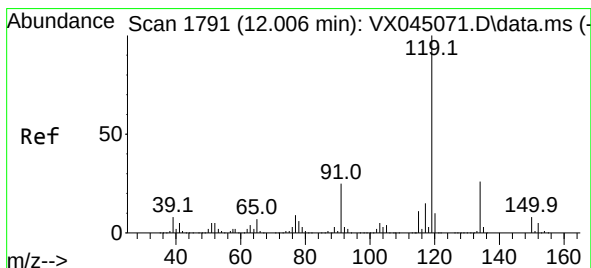
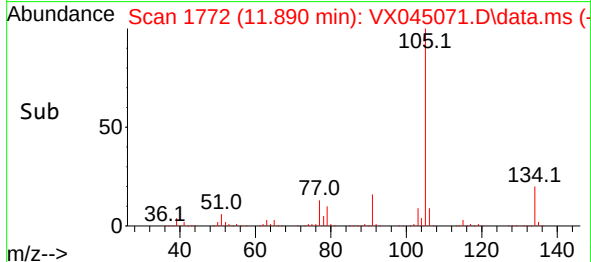
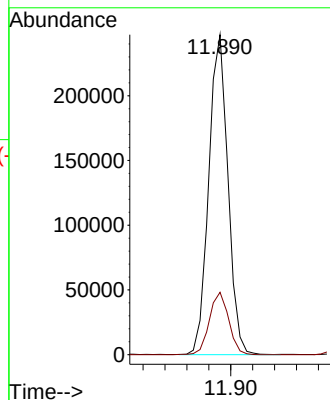
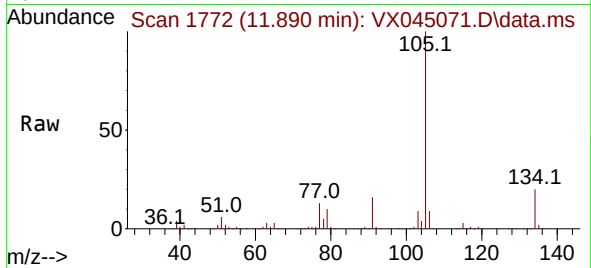




#85
 sec-Butylbenzene
 Concen: 51.353 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX045071.D
 Acq: 28 Feb 2025 03:00

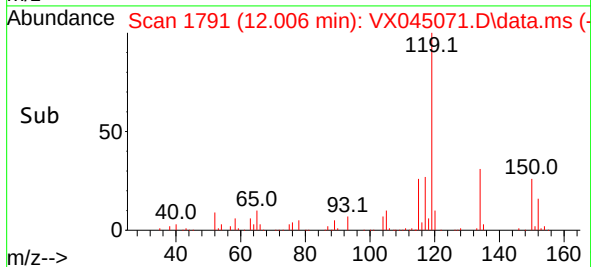
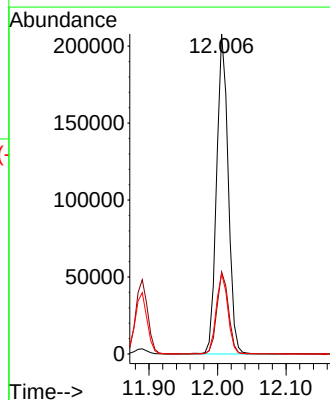
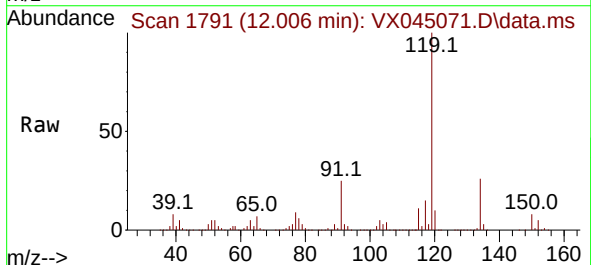
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

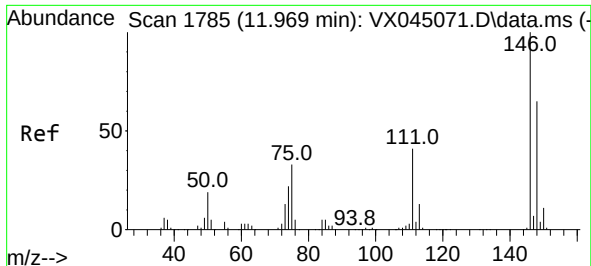
Tgt Ion:105 Resp: 300393
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.4



#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

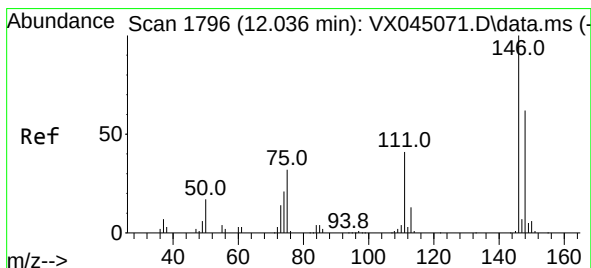
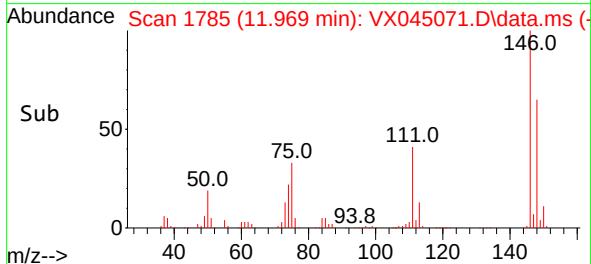
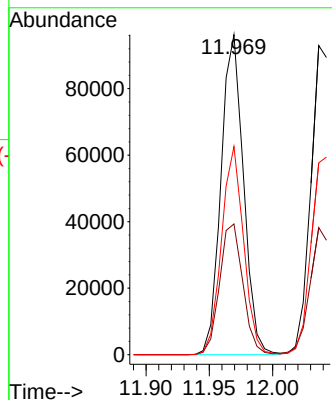
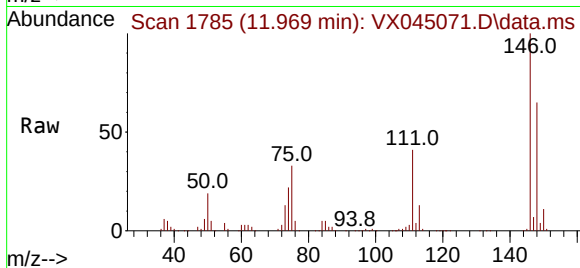
Tgt Ion:146 Resp: 118879

Ion Ratio Lower Upper

146 100

111 42.3 21.1 63.4

148 63.8 31.9 95.7



#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

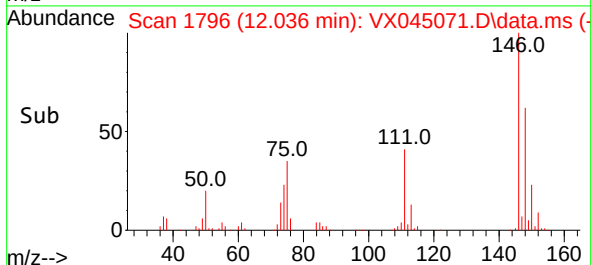
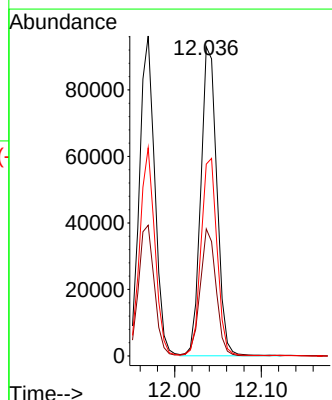
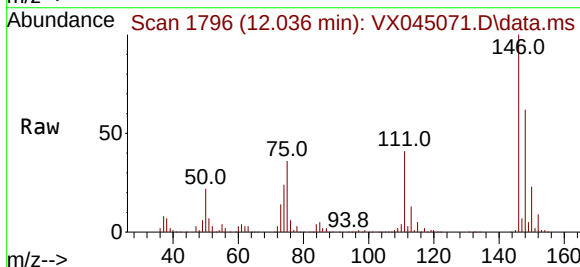
Tgt Ion:146 Resp: 120217

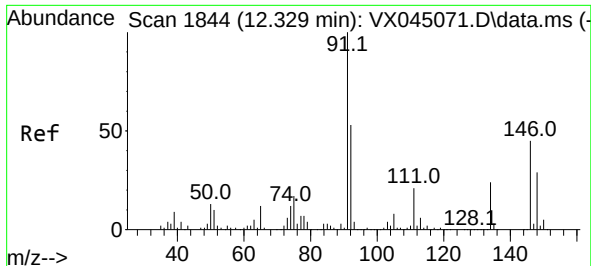
Ion Ratio Lower Upper

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

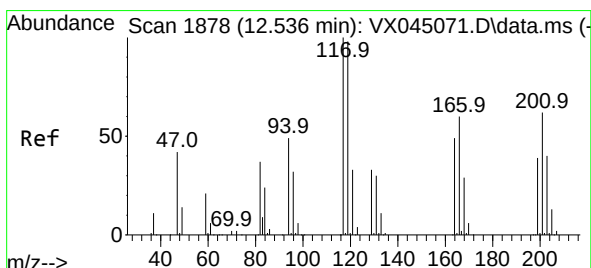
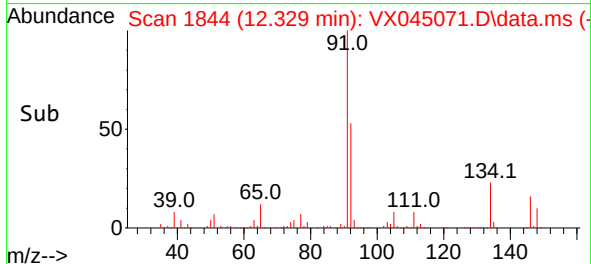
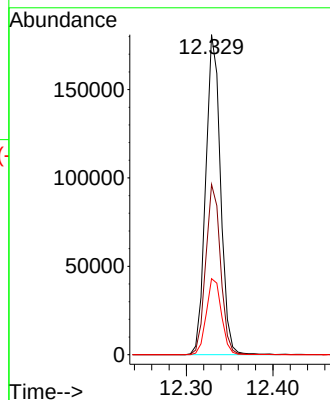
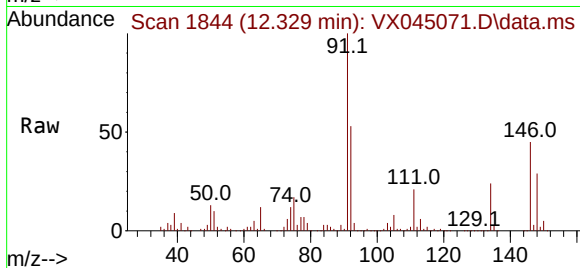
Tgt Ion: 91 Resp: 214685

Ion Ratio Lower Upper

91 100

92 53.3 26.7 80.0

134 24.4 12.2 36.6



#90

Hexachloroethane

Concen: 49.188 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX045071.D

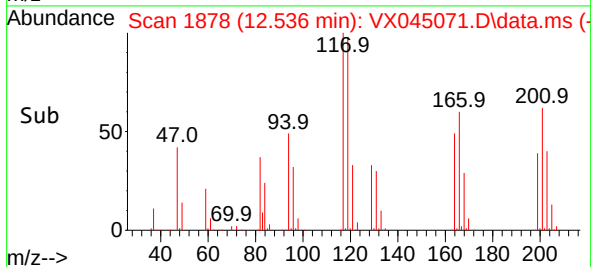
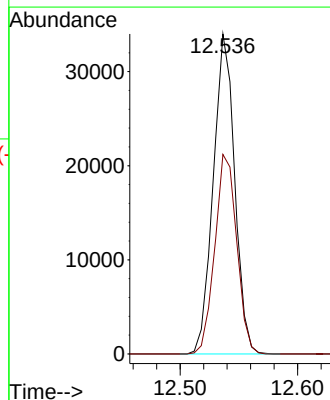
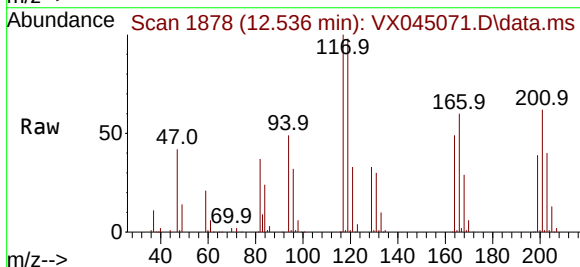
Acq: 28 Feb 2025 03:00

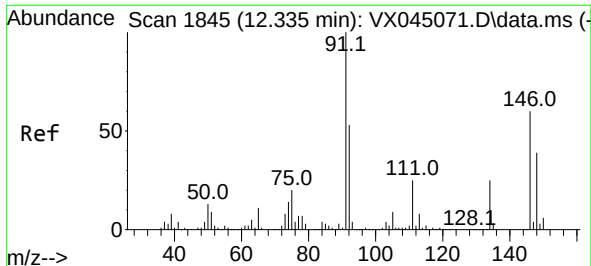
Tgt Ion: 117 Resp: 43086

Ion Ratio Lower Upper

117 100

201 63.9 31.9 95.9

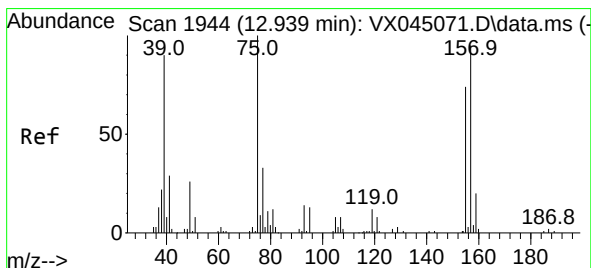
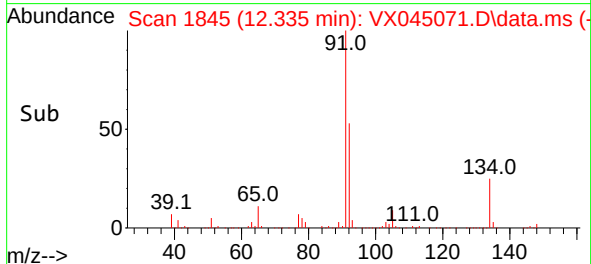
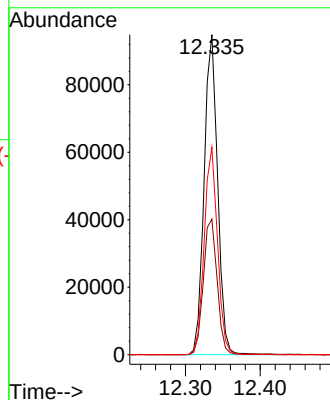
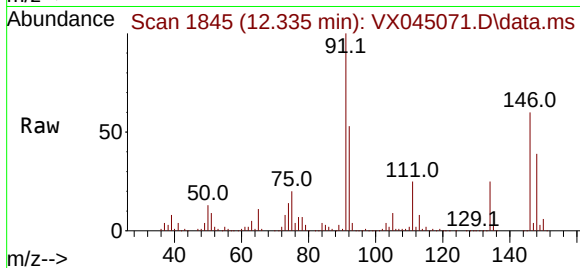




#91
1,2-Dichlorobenzene
Concen: 50.557 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

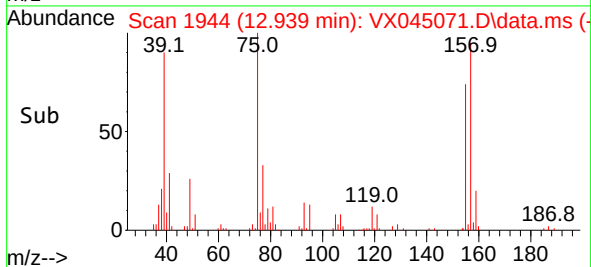
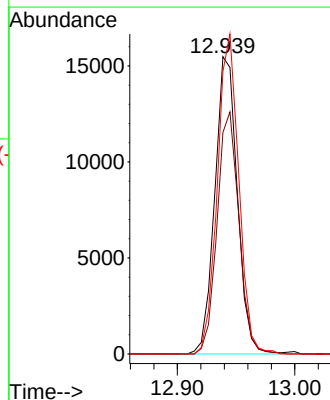
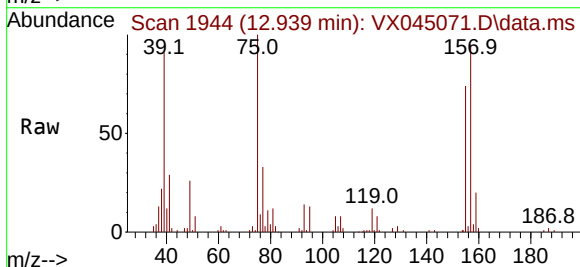
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

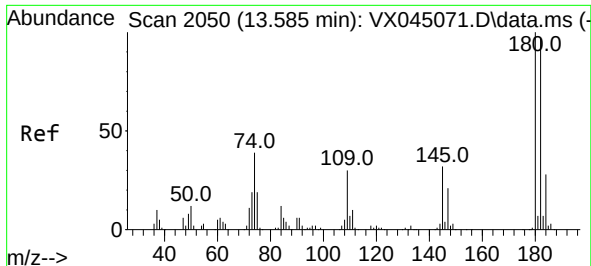
Tgt Ion:146 Resp: 118896
Ion Ratio Lower Upper
146 100
111 43.3 21.6 65.0
148 63.9 31.9 95.9



#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

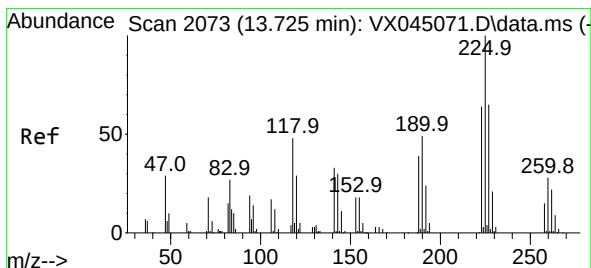
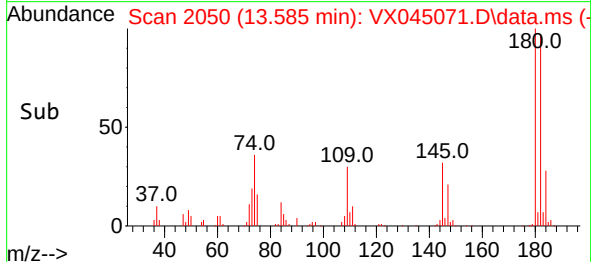
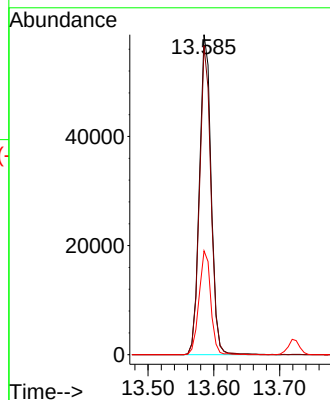
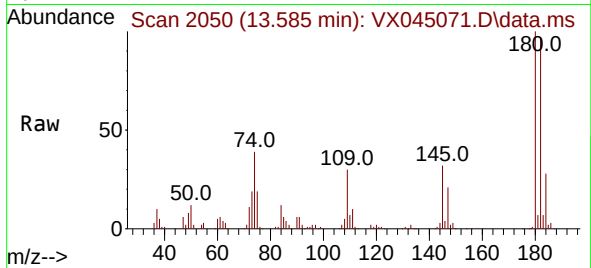




#93
 1,2,4-Trichlorobenzene
 Concen: 50.571 ug/l
 RT: 13.585 min Scan# 2050
 Delta R.T. 0.000 min
 Lab File: VX045071.D
 Acq: 28 Feb 2025 03:00

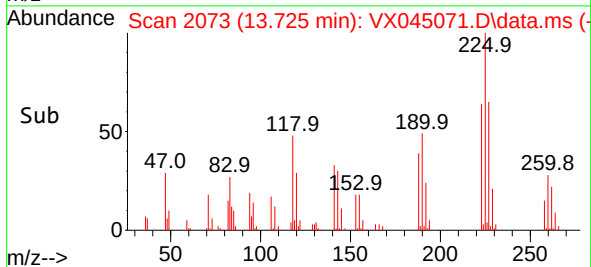
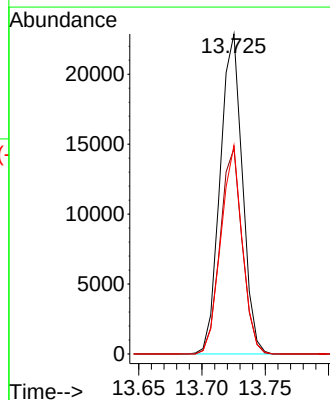
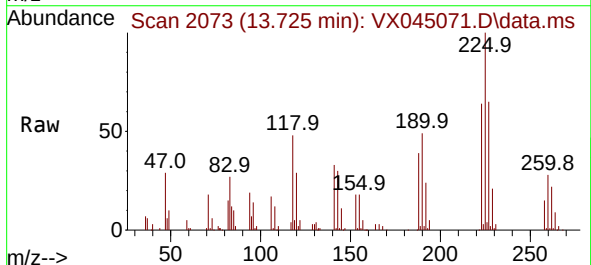
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

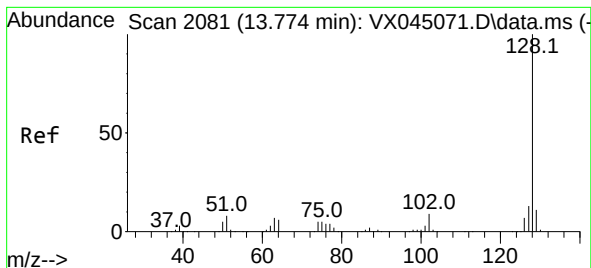
Tgt Ion:180 Resp: 71897
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.3 141.9
 145 32.6 16.3 48.9



#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

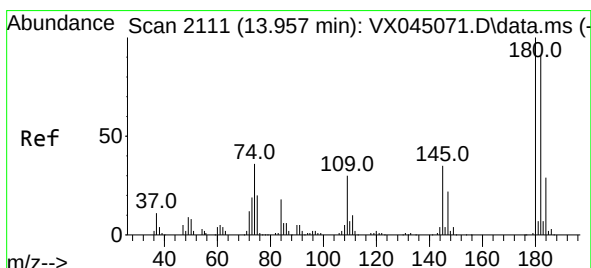
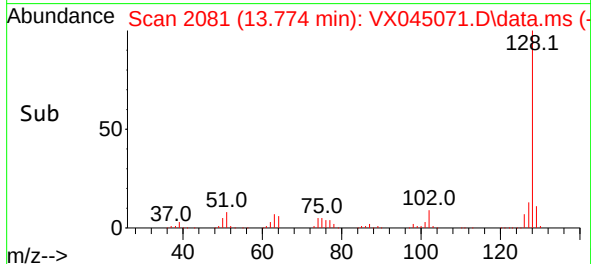
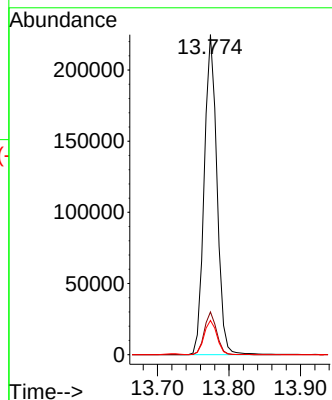
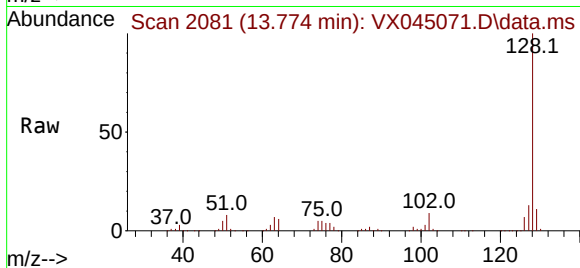
Tgt Ion:128 Resp: 278086

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 10.9 8.7 13.1



#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

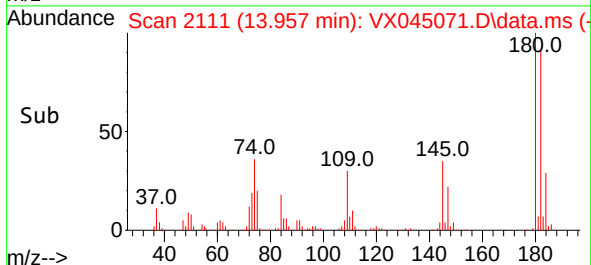
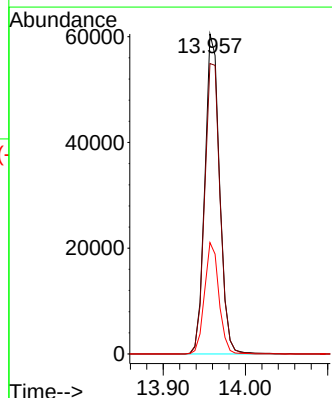
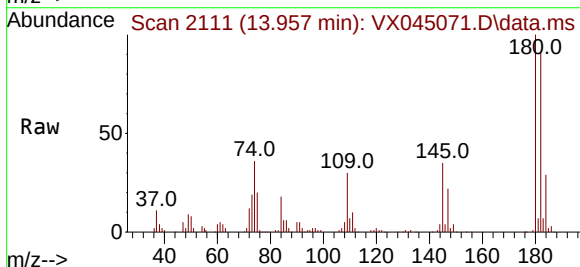
Tgt Ion:180 Resp: 75482

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

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

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	203020	131.738	ug/l	86
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

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

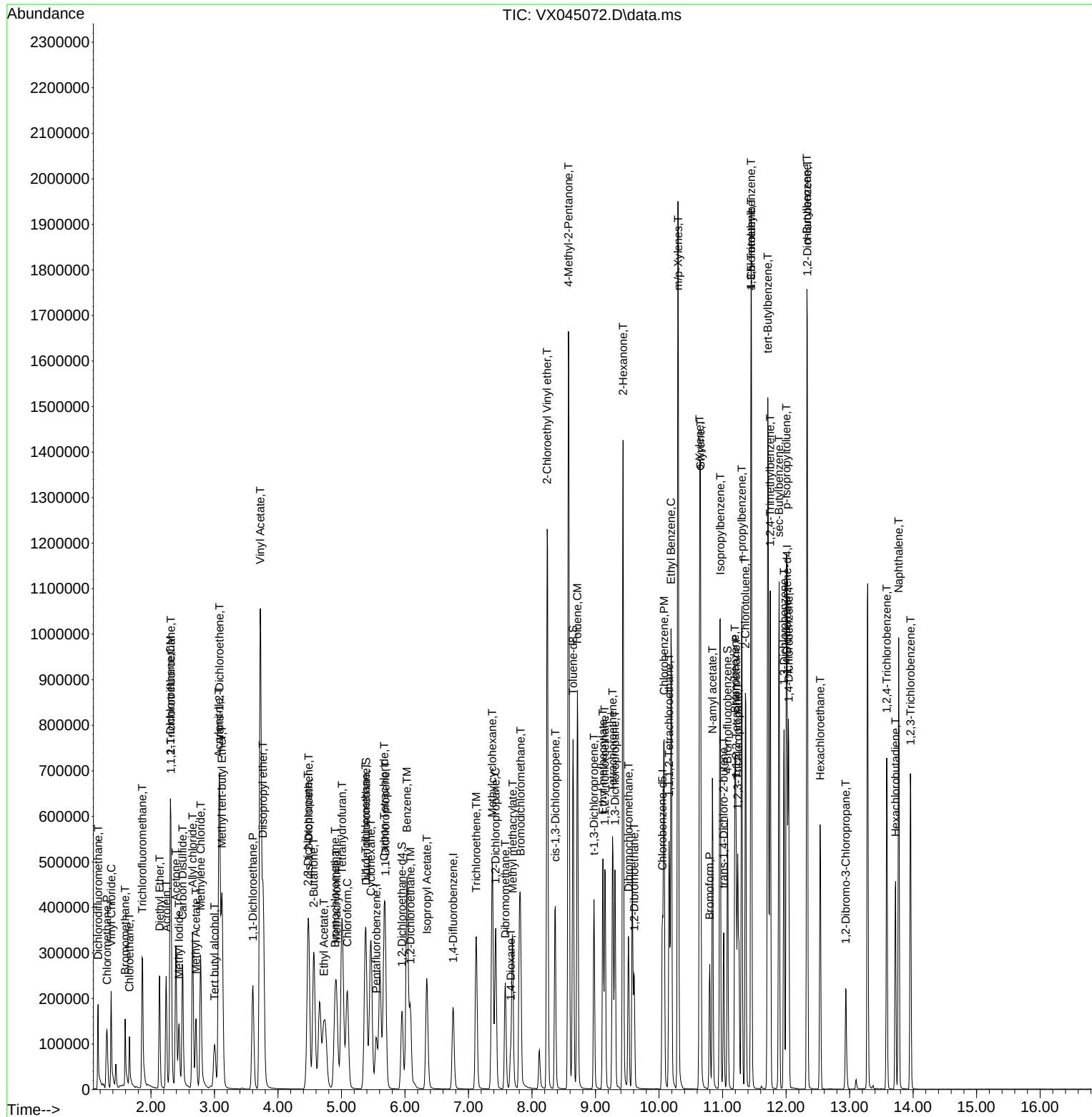
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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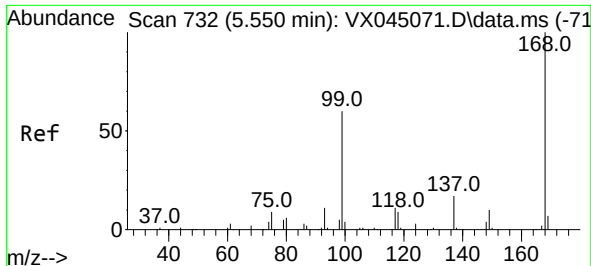
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDIC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

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

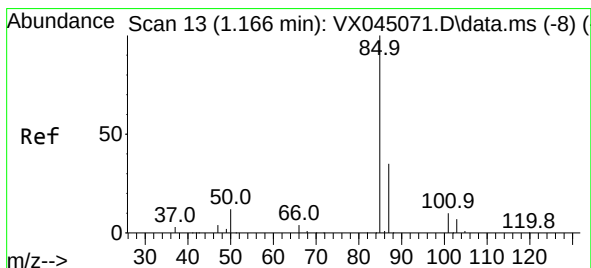
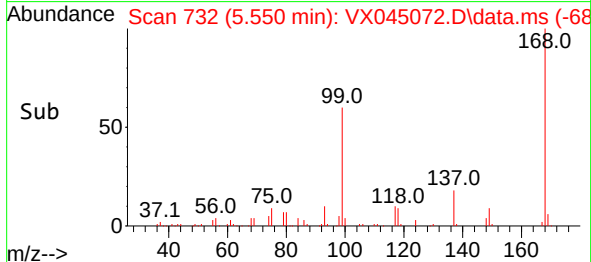
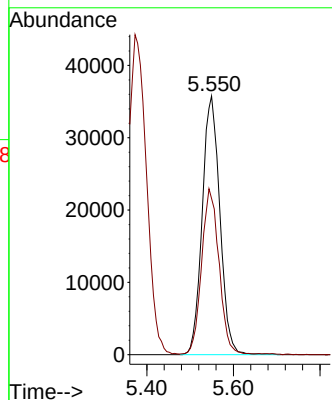
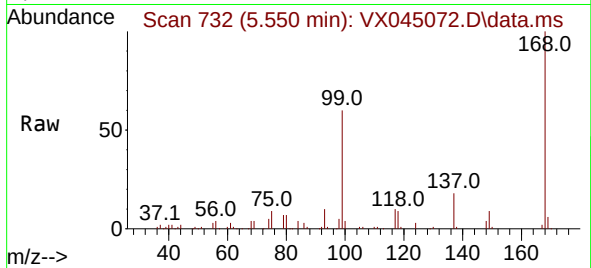




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

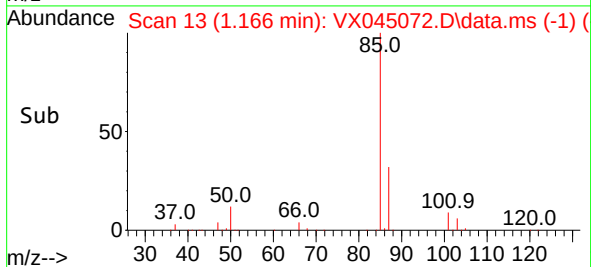
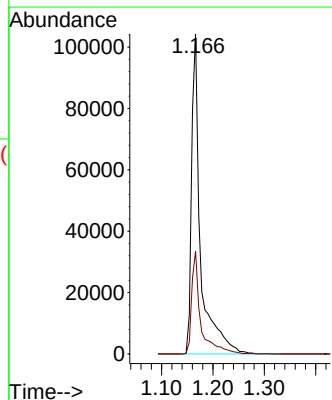
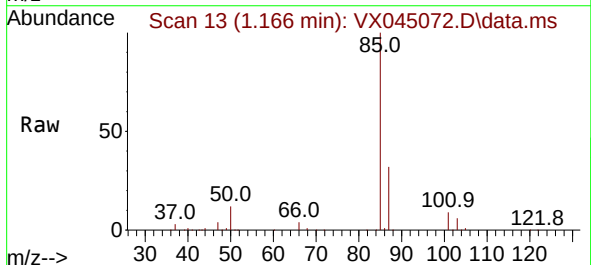
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

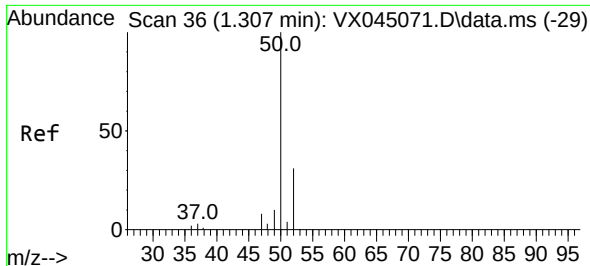
Tgt Ion:168 Resp: 101178
Ion Ratio Lower Upper
168 100
99 60.2 48.2 72.4



#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

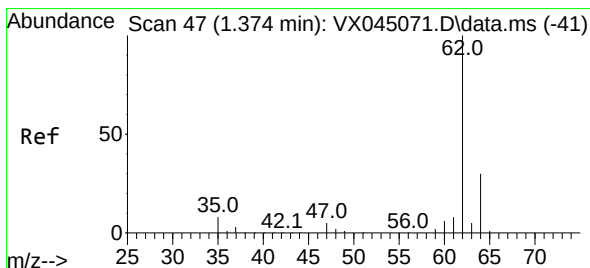
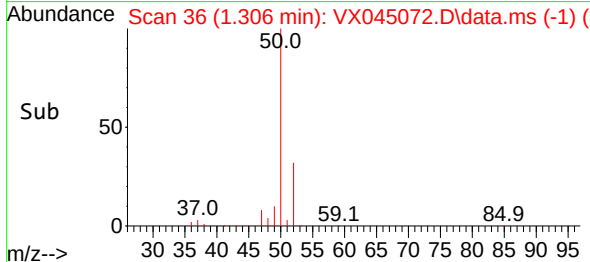
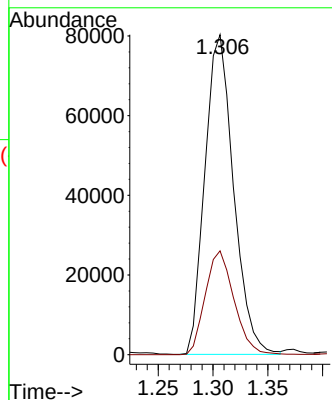
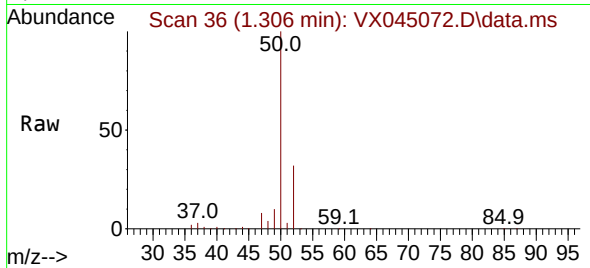




#3
Chloromethane
Concen: 85.936 ug/l
RT: 1.306 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

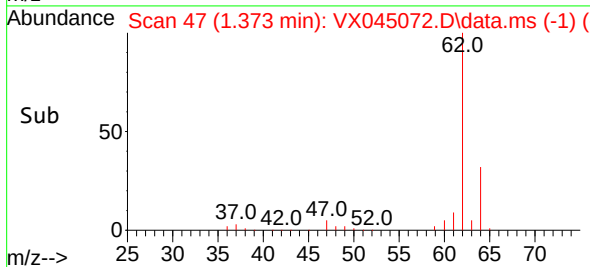
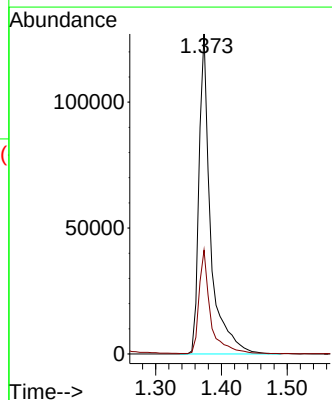
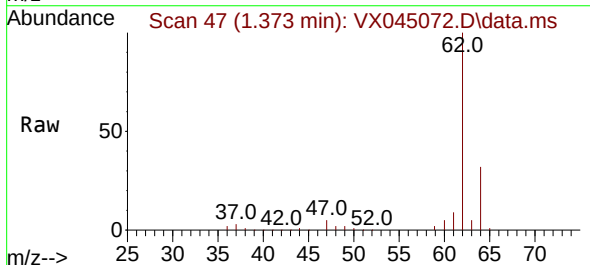
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

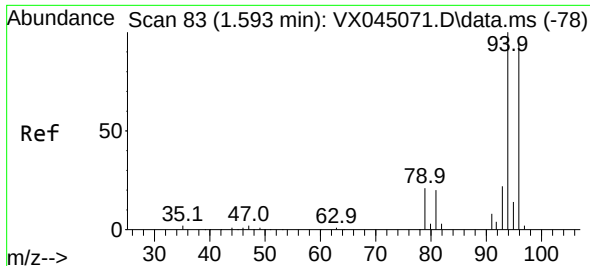
Tgt Ion: 50 Resp: 145825
Ion Ratio Lower Upper
50 100
52 32.5 25.0 37.4



#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

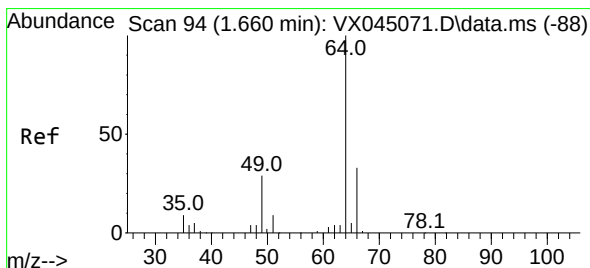
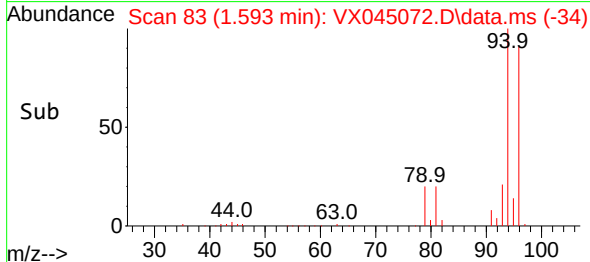
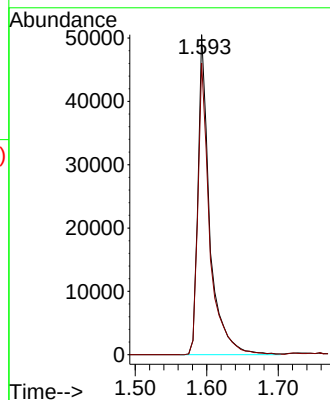
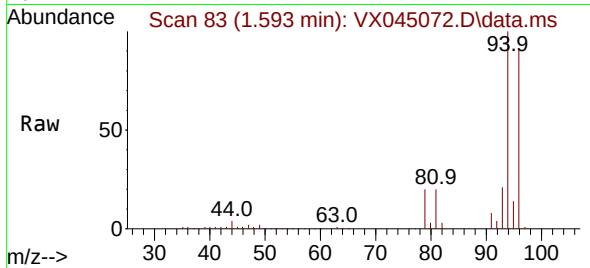




#5
Bromomethane
Concen: 110.980 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

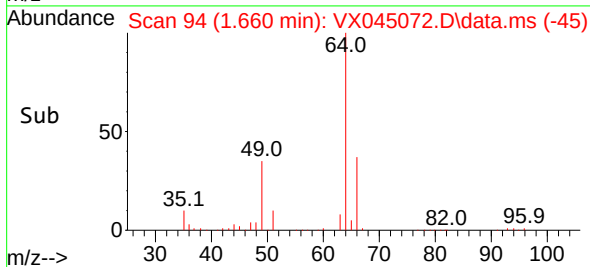
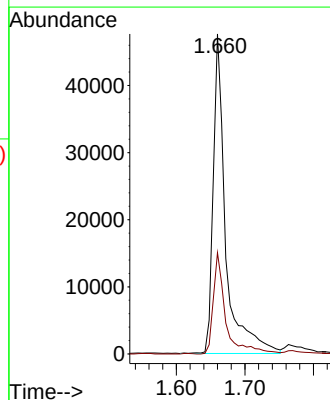
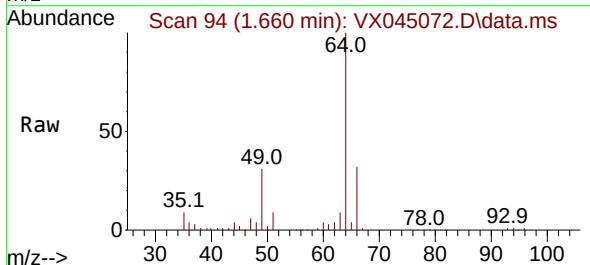
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

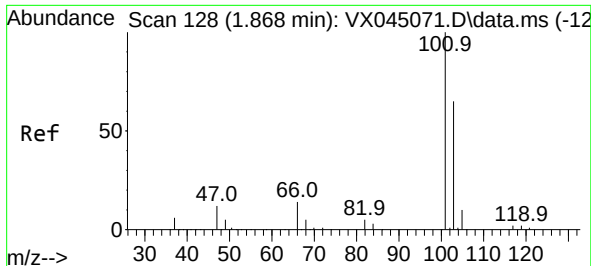
Tgt Ion: 94 Resp: 57503
Ion Ratio Lower Upper
94 100
96 91.2 75.0 112.4



#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

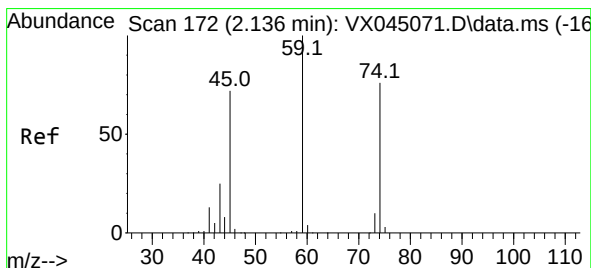
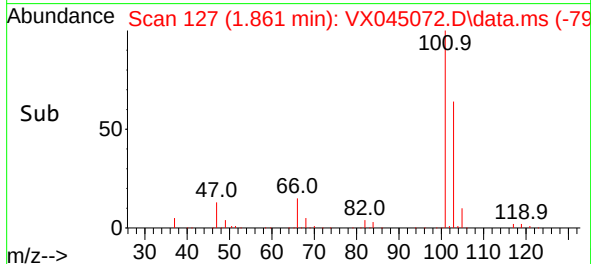
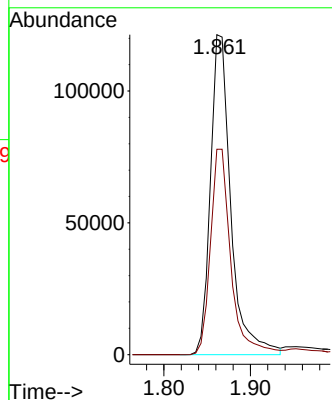
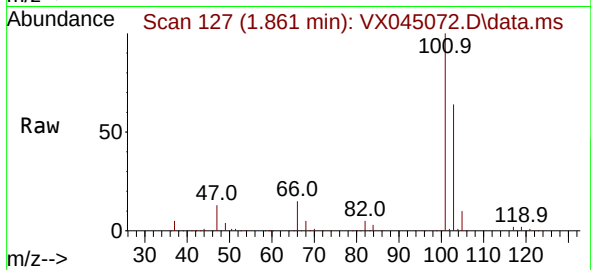




#7
Trichlorofluoromethane
Concen: 93.594 ug/l
RT: 1.861 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

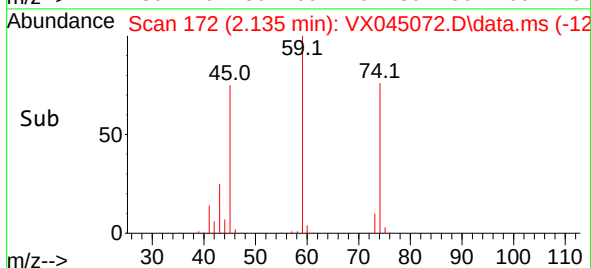
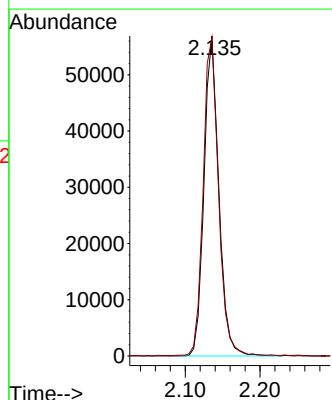
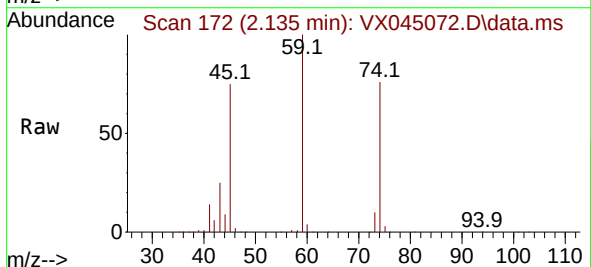
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

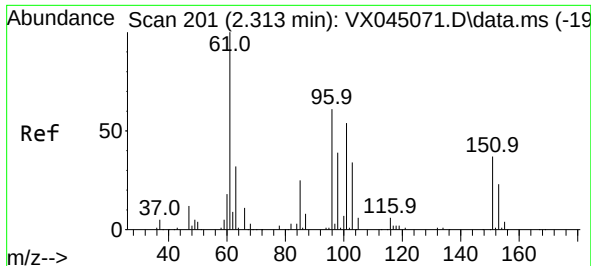
Tgt Ion:101 Resp: 198701
Ion Ratio Lower Upper
101 100
103 64.2 52.1 78.1



#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

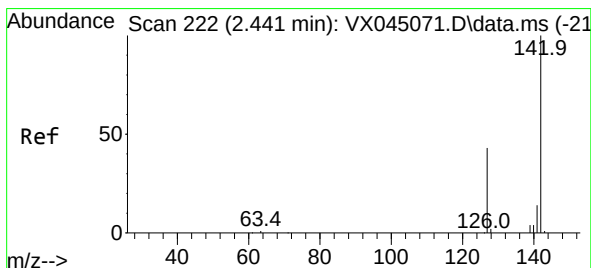
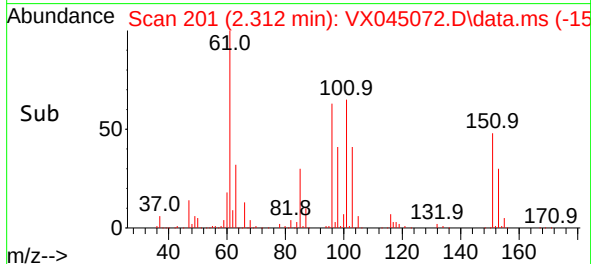
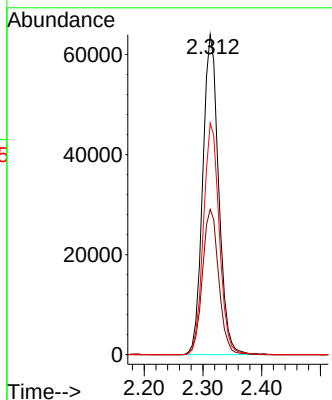
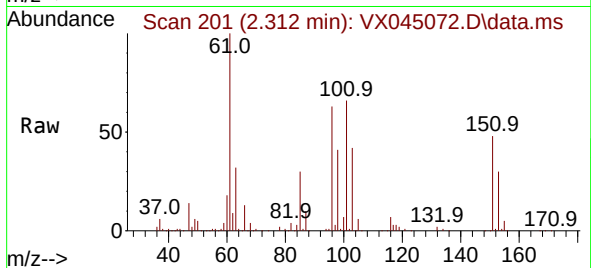




#9
1,1,2-Trichlorotrifluoroethane
Concen: 95.064 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

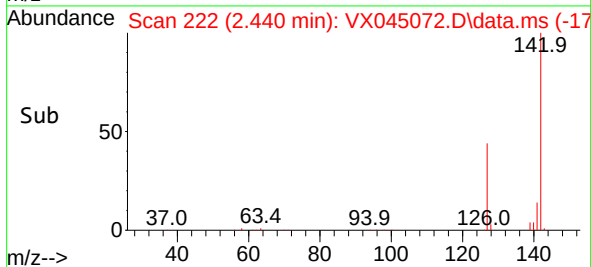
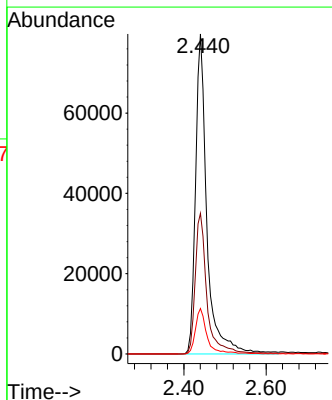
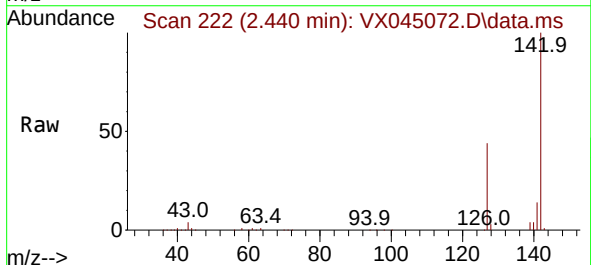
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

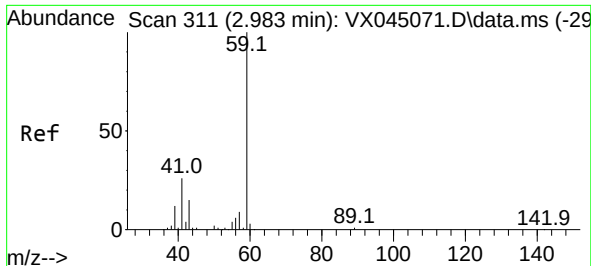
Tgt Ion:101 Resp: 120518
Ion Ratio Lower Upper
101 100
85 46.5 36.2 54.4
151 72.4 56.4 84.6



#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

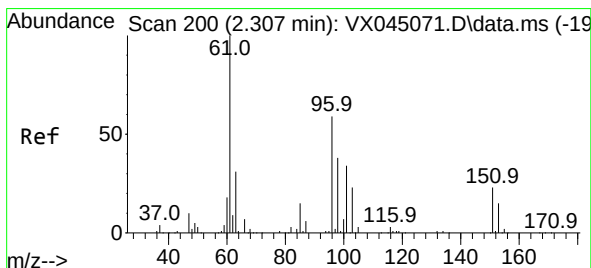
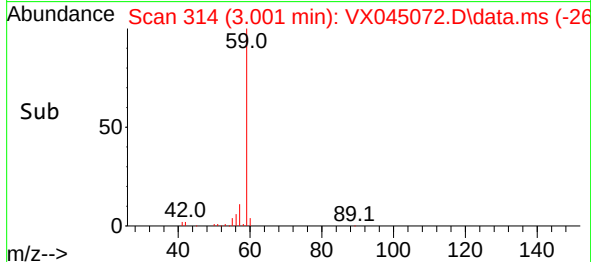
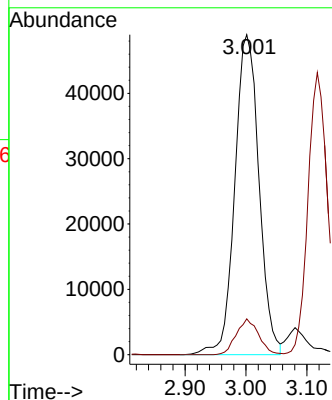
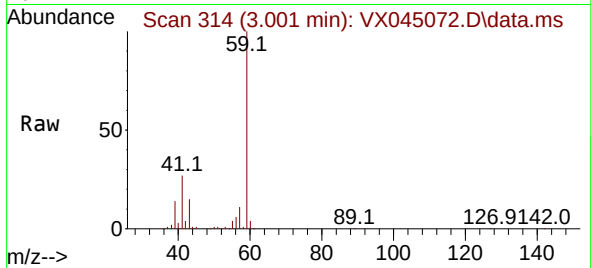




#11
Tert butyl alcohol
Concen: 493.141 ug/l
RT: 3.001 min Scan# 311
Delta R.T. 0.018 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

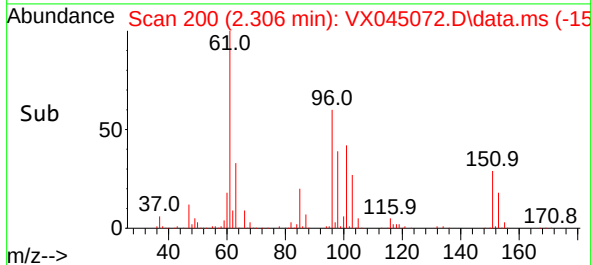
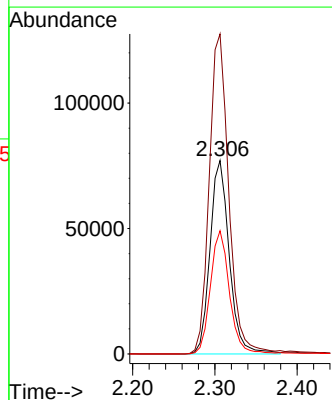
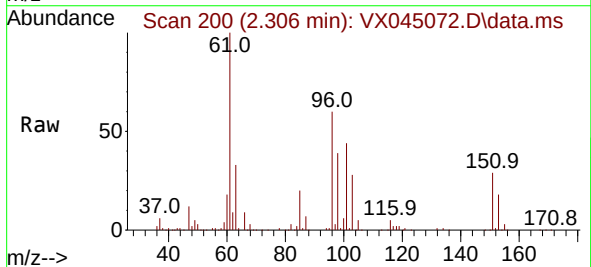
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

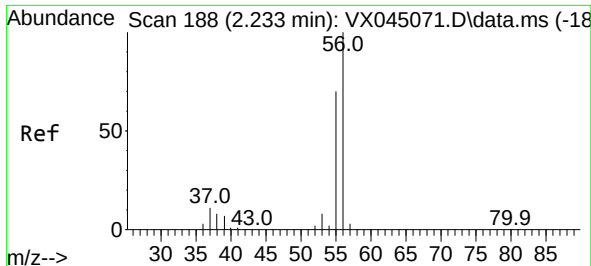
Tgt Ion: 59 Resp: 135016
Ion Ratio Lower Upper
59 100
57 10.4 7.8 11.8



#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

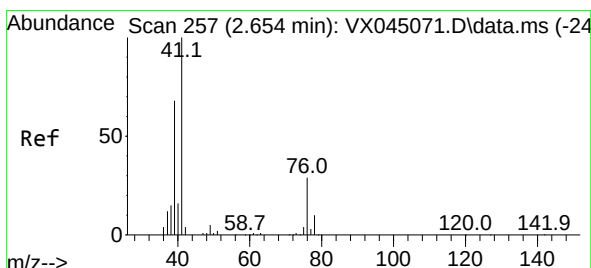
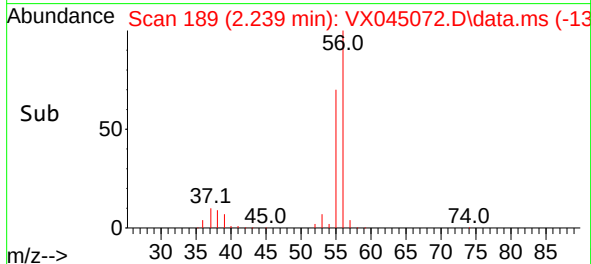
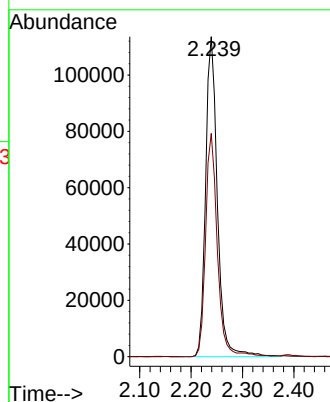
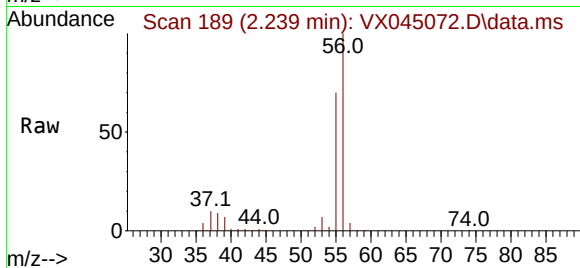




#13
Acrolein
Concen: 608.485 ug/l
RT: 2.239 min Scan# 188
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

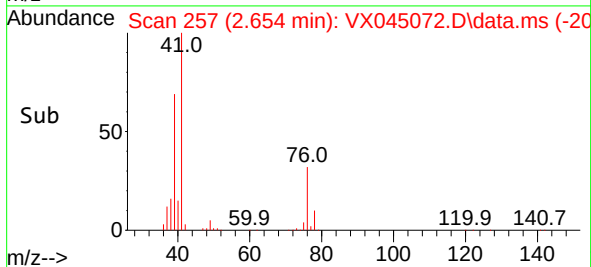
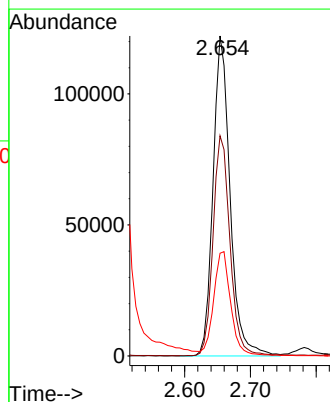
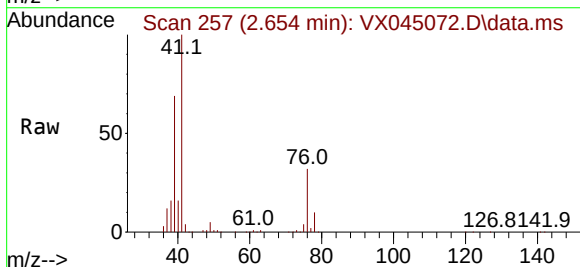
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

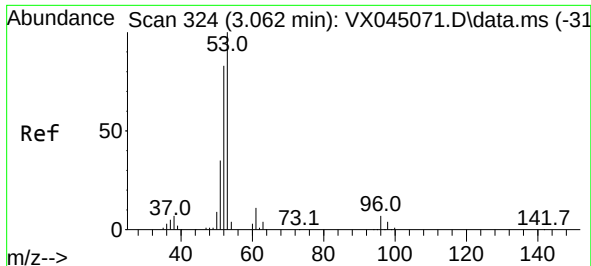
Tgt Ion: 56 Resp: 180411
Ion Ratio Lower Upper
56 100
55 69.8 56.2 84.4



#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

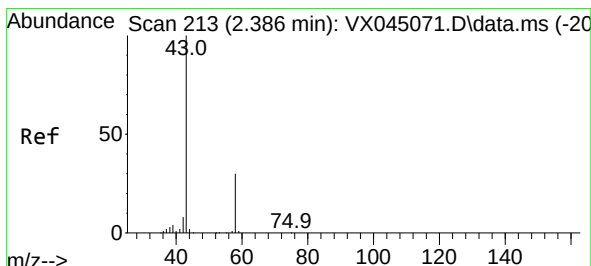
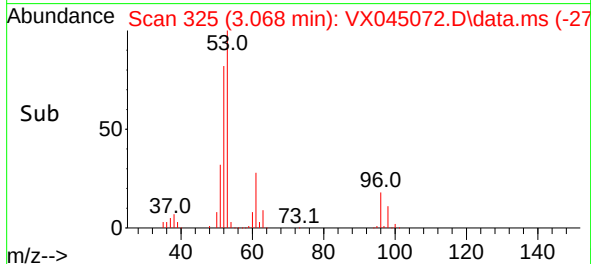
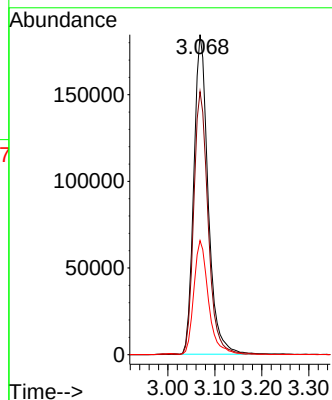
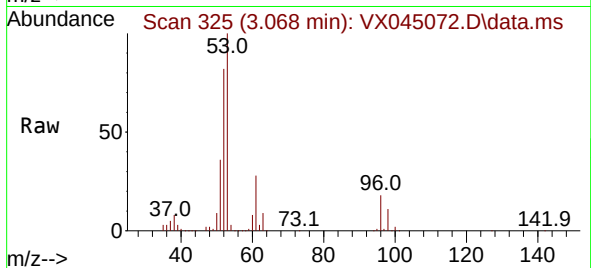




#15
Acrylonitrile
Concen: 526.749 ug/l
RT: 3.068 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

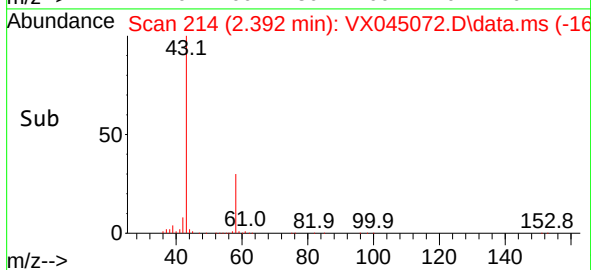
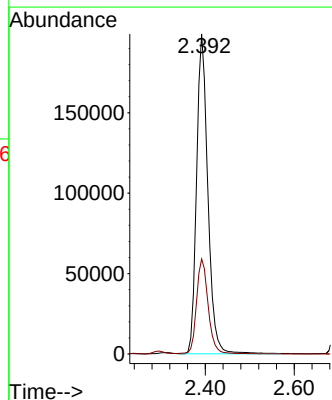
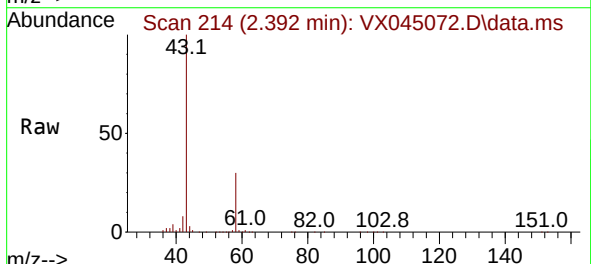
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

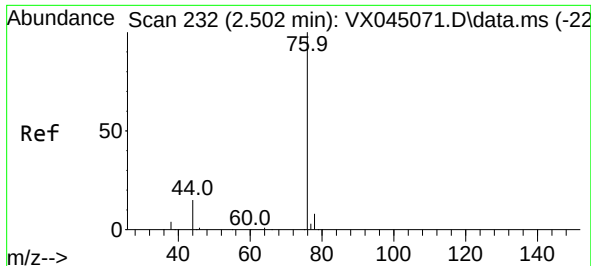
Tgt Ion: 53 Resp: 391946
Ion Ratio Lower Upper
53 100
52 82.9 66.2 99.2
51 36.6 29.0 43.4



#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

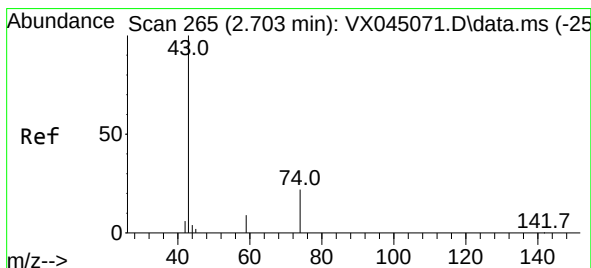
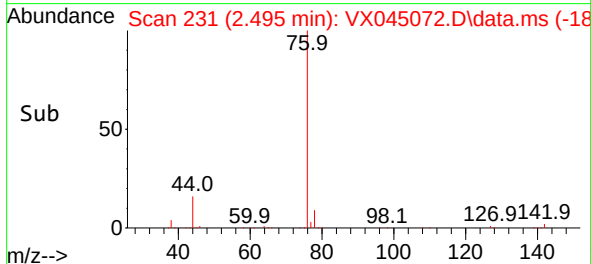
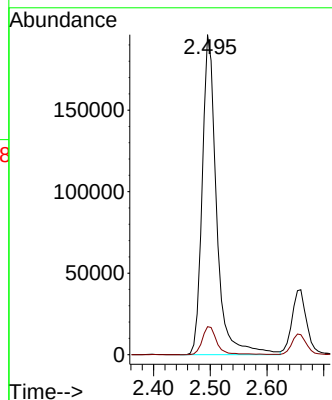
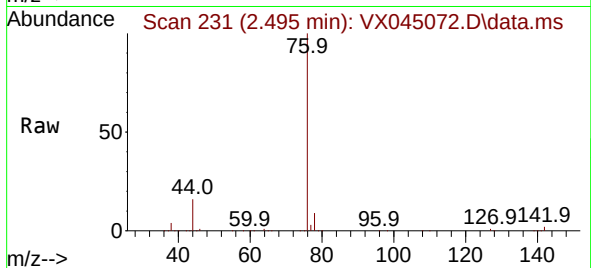




#17
Carbon Disulfide
Concen: 97.574 ug/l
RT: 2.495 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

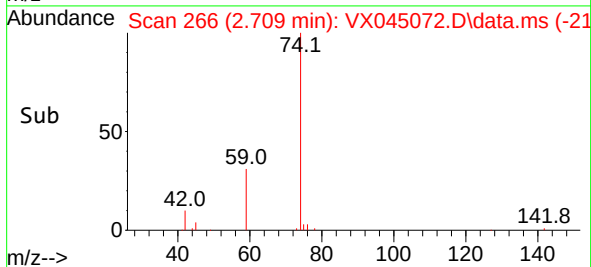
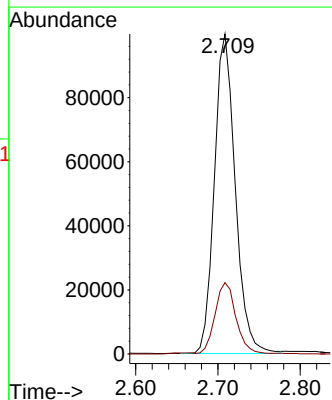
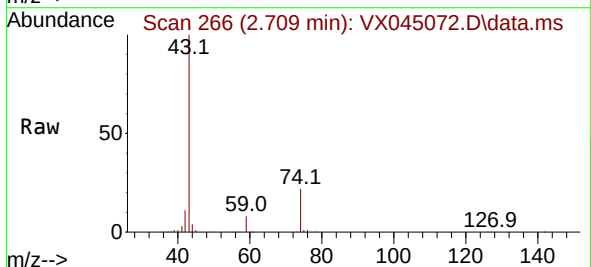
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

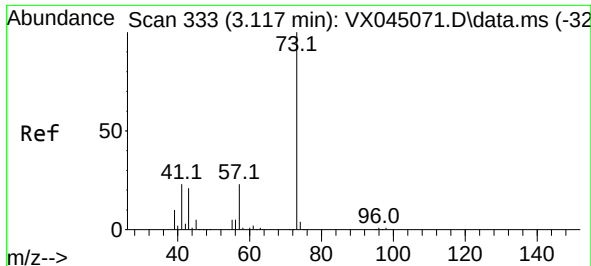
Tgt Ion: 76 Resp: 345572
Ion Ratio Lower Upper
76 100
78 8.7 6.6 9.8



#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

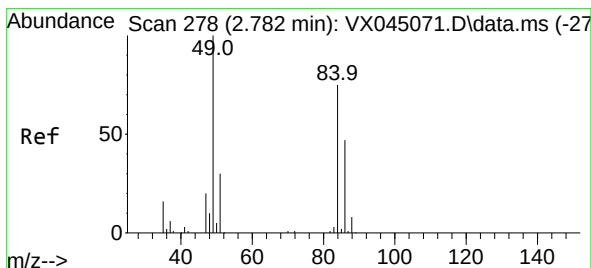
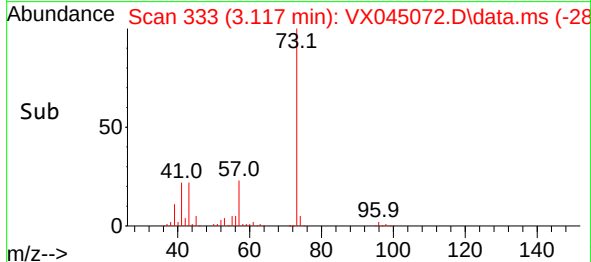
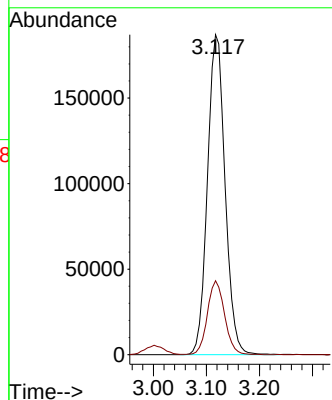
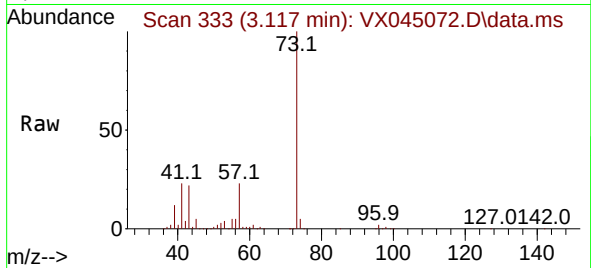




#19
Methyl tert-butyl Ether
Concen: 103.661 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

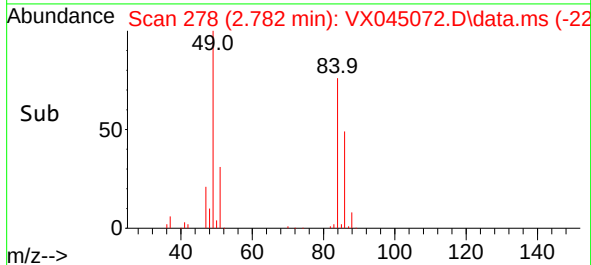
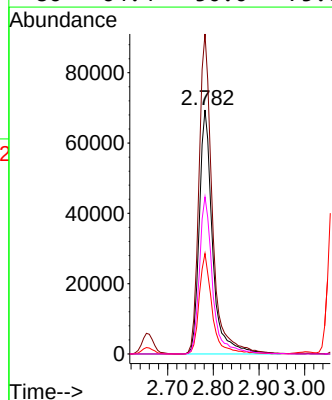
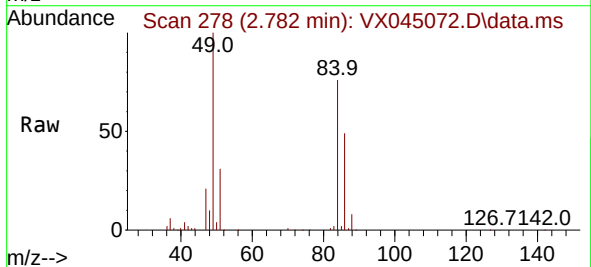
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

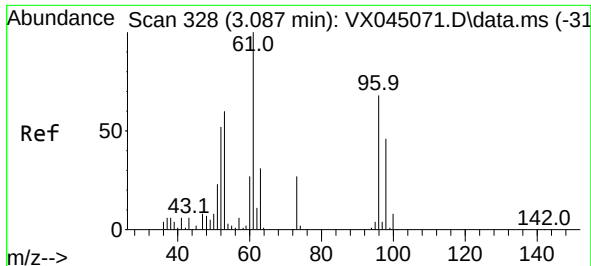
Tgt Ion: 73 Resp: 431413
Ion Ratio Lower Upper
73 100
57 23.0 18.5 27.7



#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

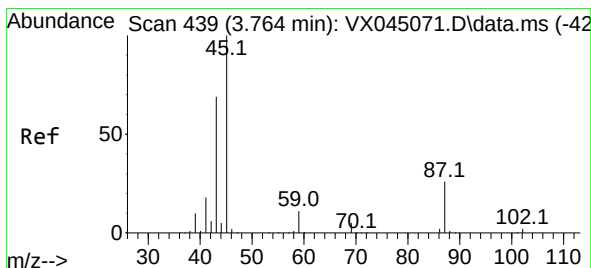
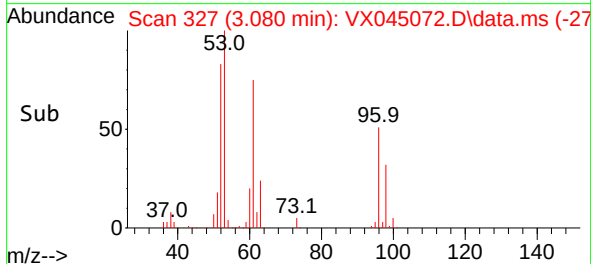
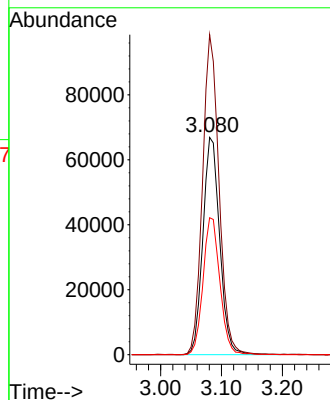
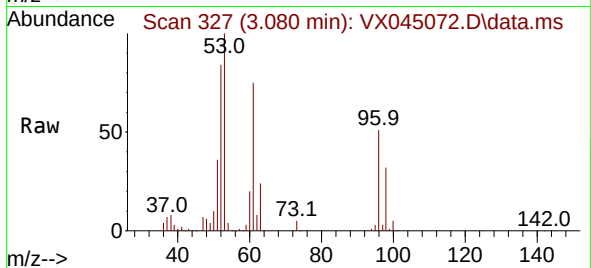




#21
trans-1,2-Dichloroethene
Concen: 100.164 ug/l
RT: 3.080 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

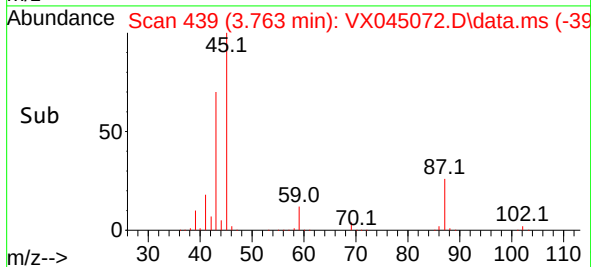
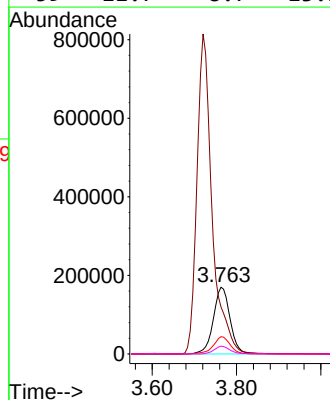
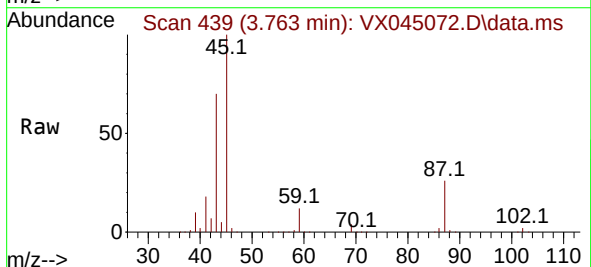
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

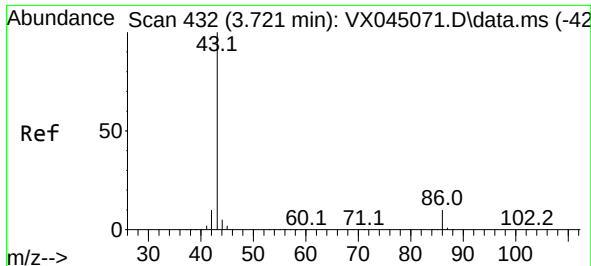
Tgt Ion: 96 Resp: 128232
Ion Ratio Lower Upper
96 100
61 147.3 117.0 175.4
98 63.0 53.4 80.2



#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

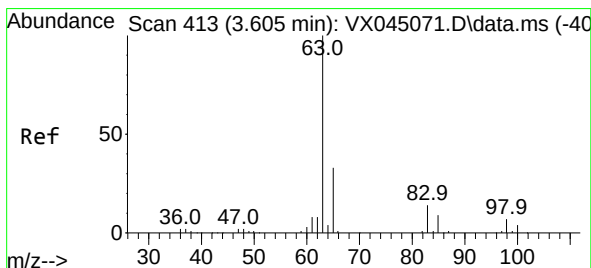
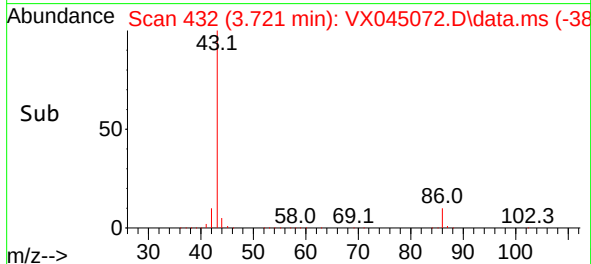
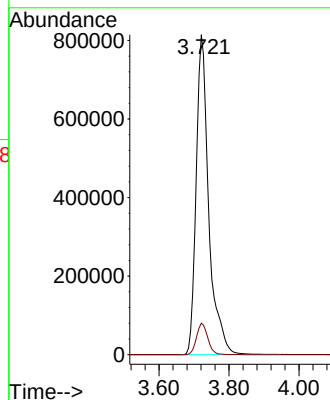
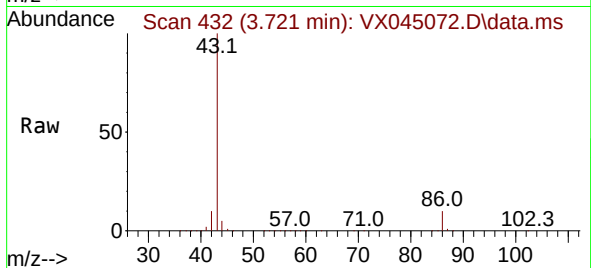




#23
 Vinyl Acetate
 Concen: 554.219 ug/l
 RT: 3.721 min Scan# 413
 Delta R.T. -0.000 min
 Lab File: VX045072.D
 Acq: 28 Feb 2025 03:23

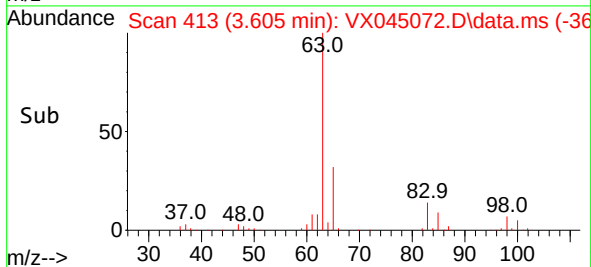
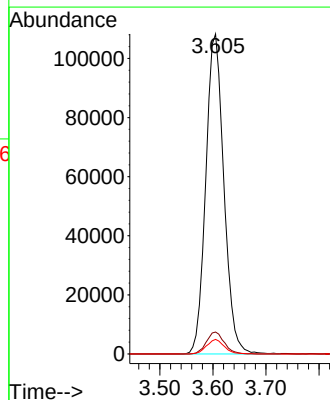
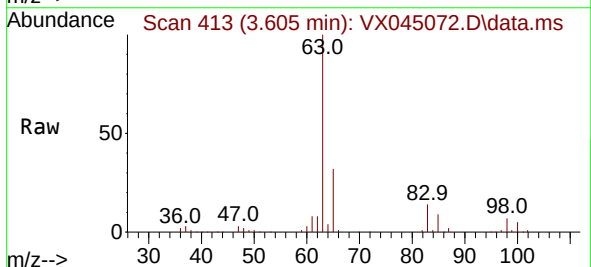
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

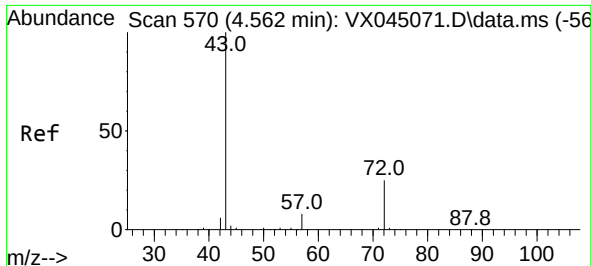
Tgt Ion: 43 Resp: 2035880
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.1 12.1



#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

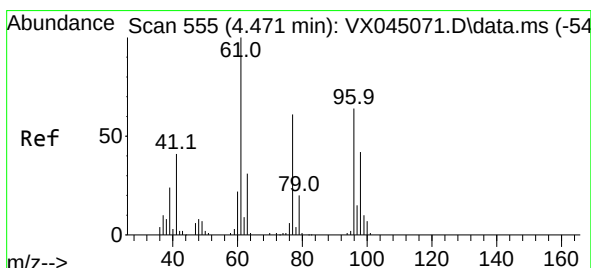
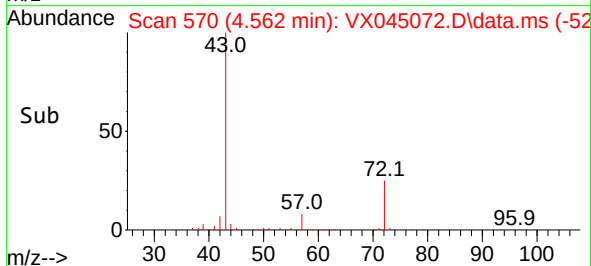
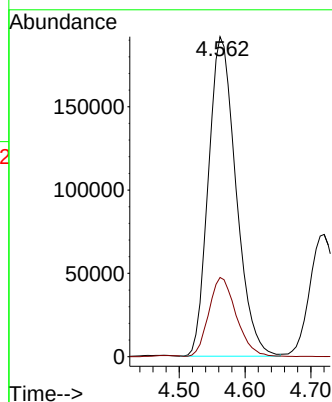
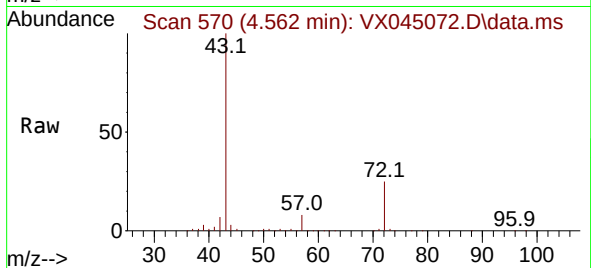




#25
2-Butanone
Concen: 563.952 ug/l
RT: 4.562 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

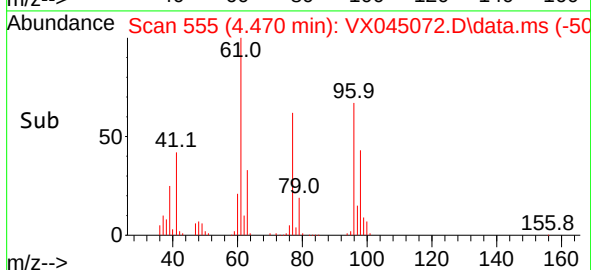
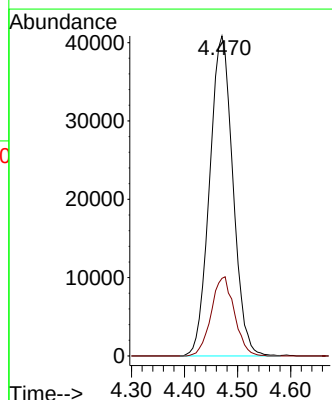
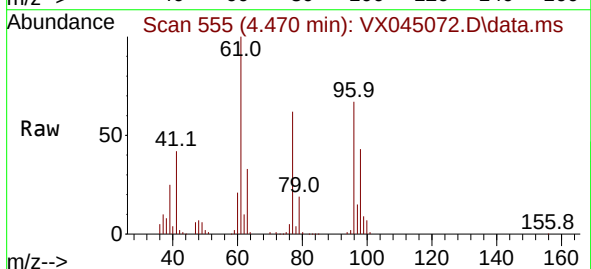
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

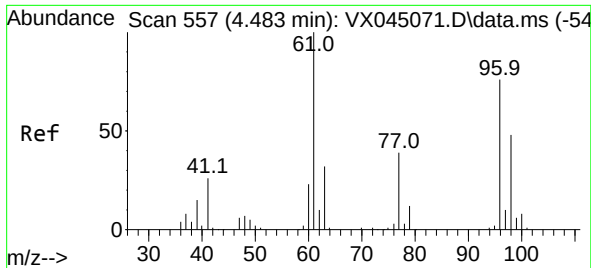
Tgt Ion: 43 Resp: 559182
Ion Ratio Lower Upper
43 100
72 24.6 20.0 30.0



#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

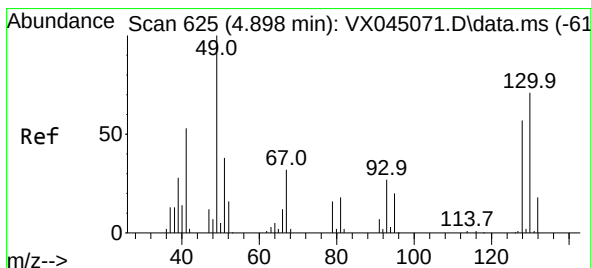
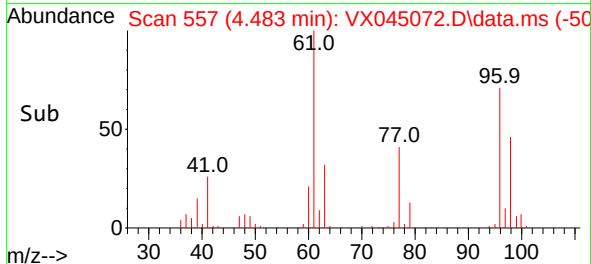
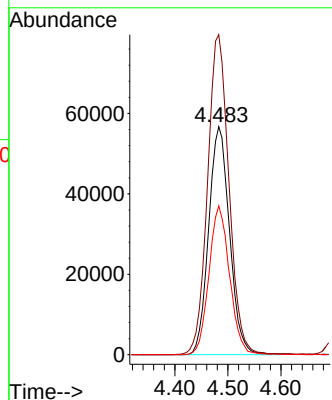
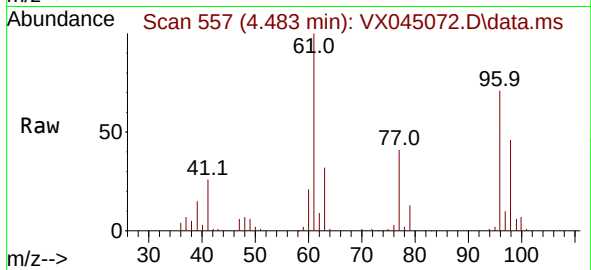




#27
 cis-1,2-Dichloroethene
 Concen: 100.568 ug/l
 RT: 4.483 min Scan# 557
 Delta R.T. -0.000 min
 Lab File: VX045072.D
 Acq: 28 Feb 2025 03:23

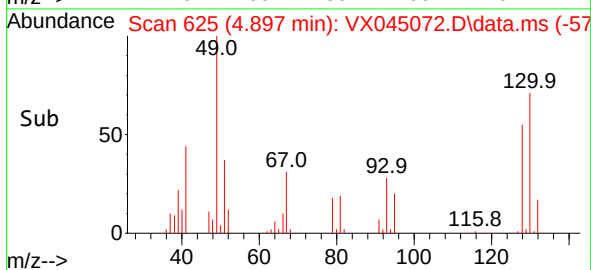
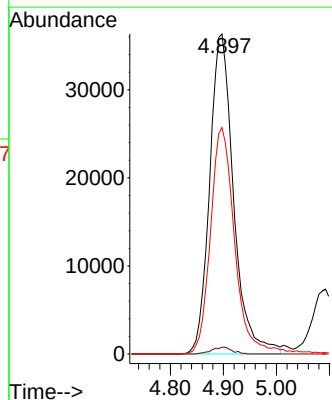
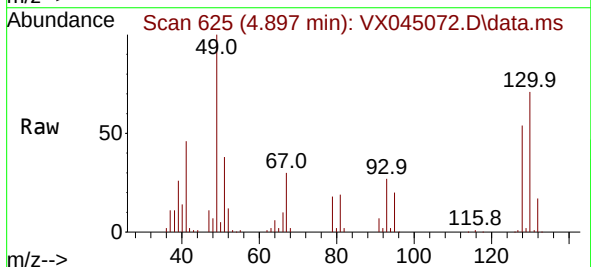
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

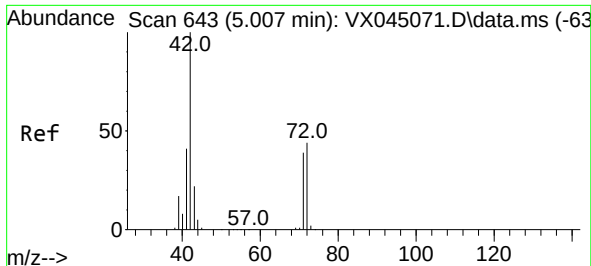
Tgt Ion:	96	Resp:	155193
Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	283.2
98	64.3	0.0	128.0



#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 :

VSTDICC100

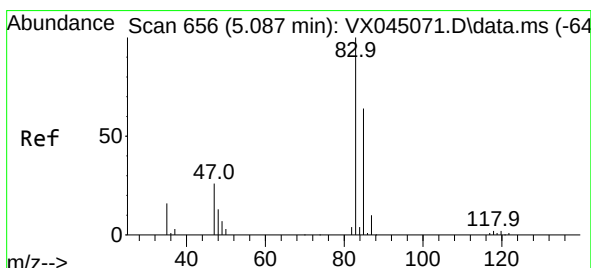
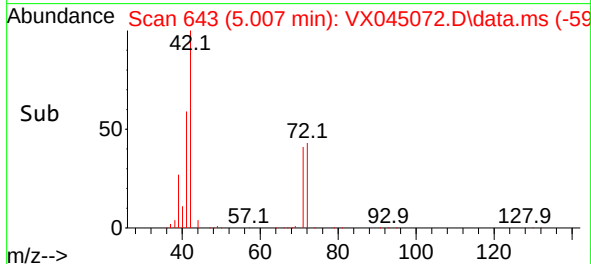
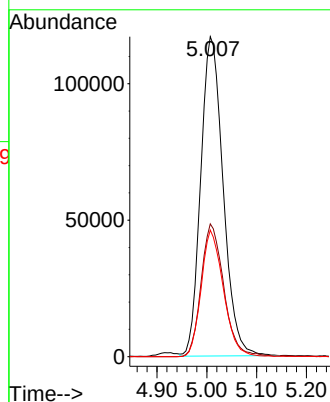
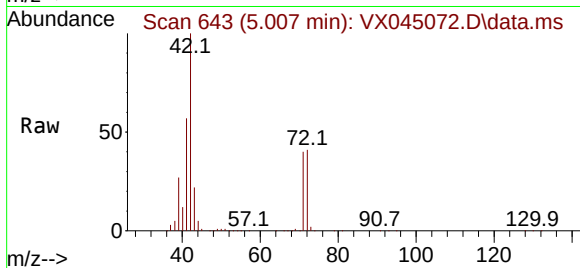
Tgt Ion: 42 Resp: 365565

Ion Ratio Lower Upper

42 100

72 42.1 34.1 51.1

71 39.2 31.4 47.0



#30

Chloroform

Concen: 101.814 ug/l

RT: 5.092 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX045072.D

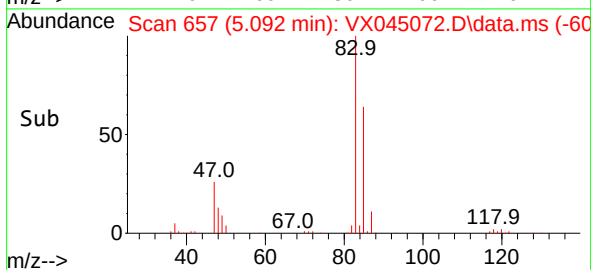
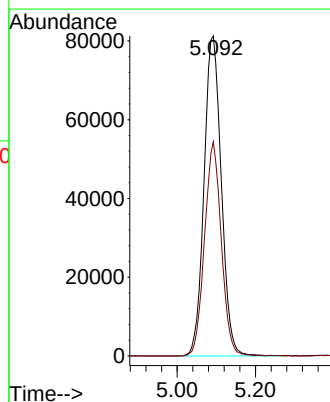
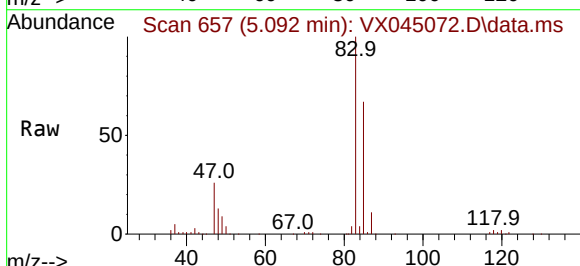
Acq: 28 Feb 2025 03:23

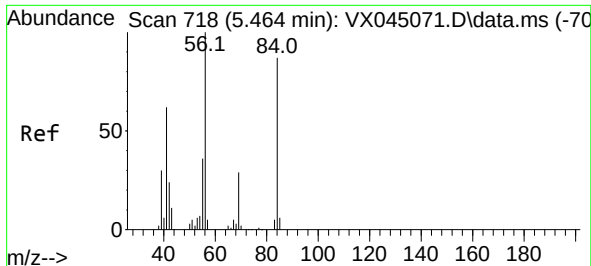
Tgt Ion: 83 Resp: 248978

Ion Ratio Lower Upper

83 100

85 66.9 51.4 77.2

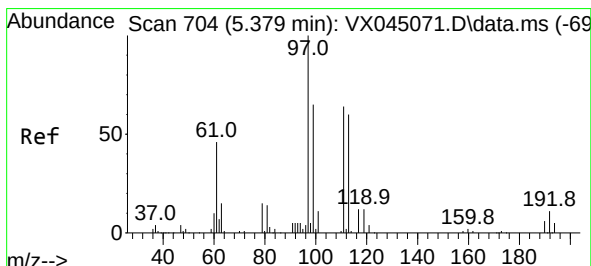
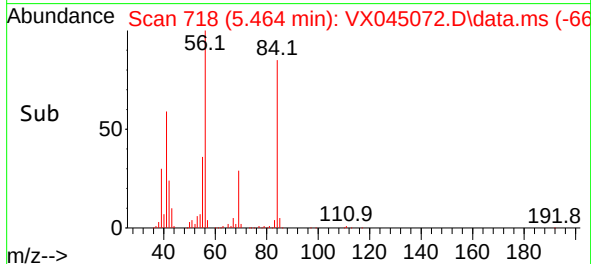
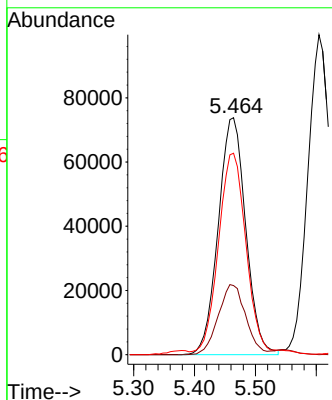
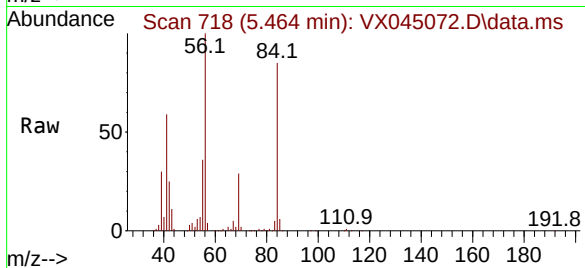




#31
Cyclohexane
Concen: 100.711 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

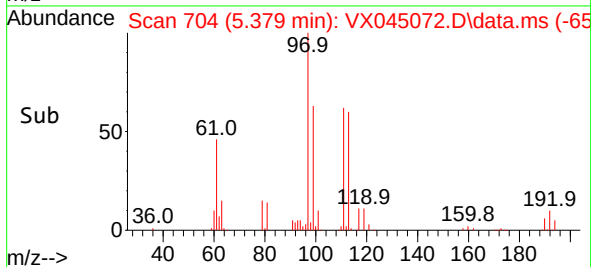
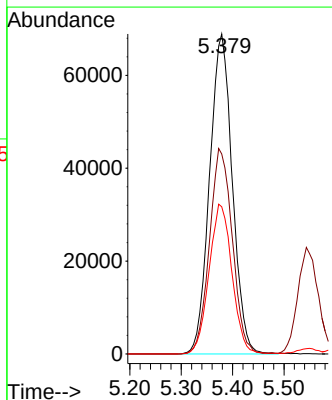
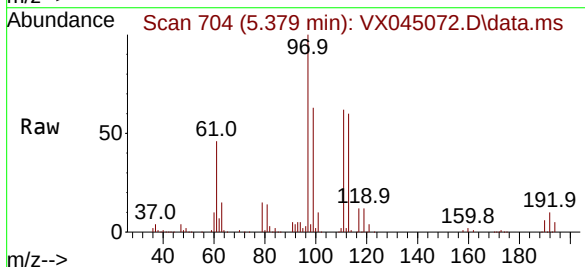
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

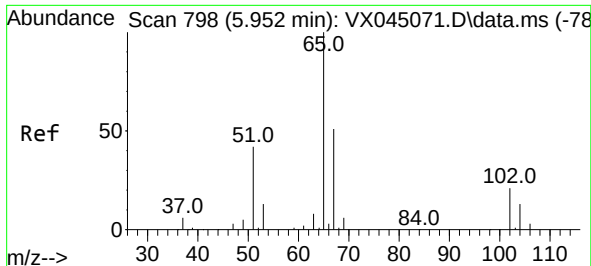
Tgt Ion: 56 Resp: 231082
Ion Ratio Lower Upper
56 100
69 29.1 23.4 35.2
84 83.3 69.4 104.2



#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

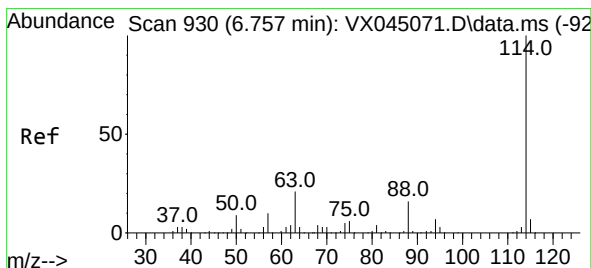
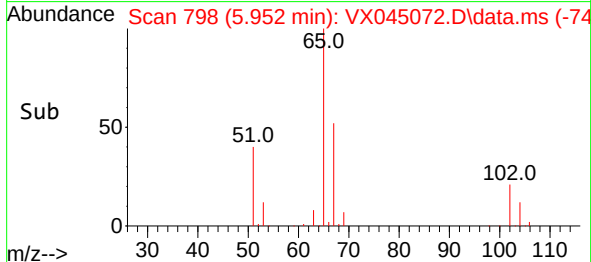
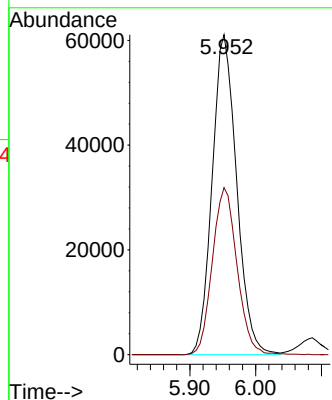
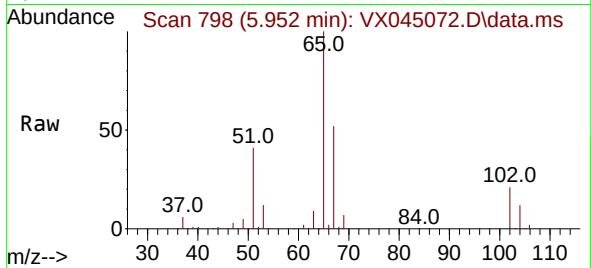




#33
 1,2-Dichloroethane-d4
 Concen: 106.011 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX045072.D
 Acq: 28 Feb 2025 03:23

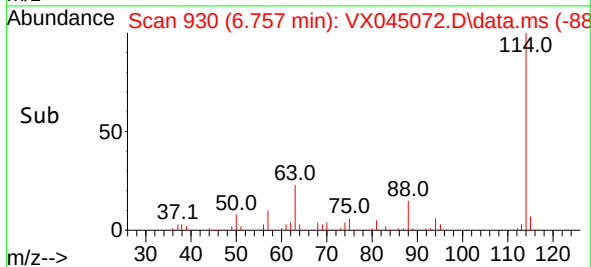
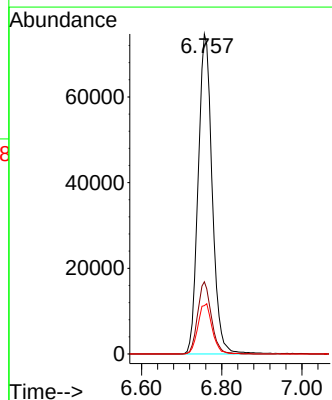
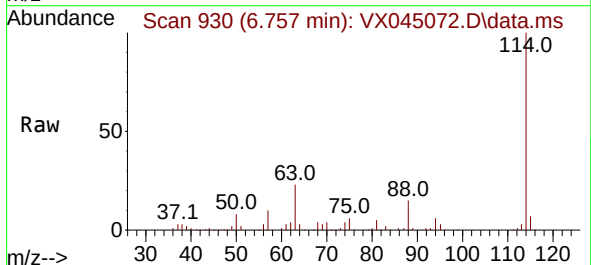
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

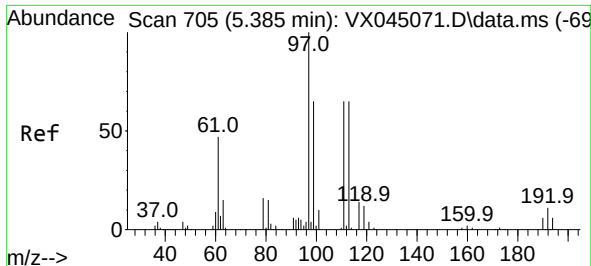
Tgt Ion: 65 Resp: 158452
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: 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

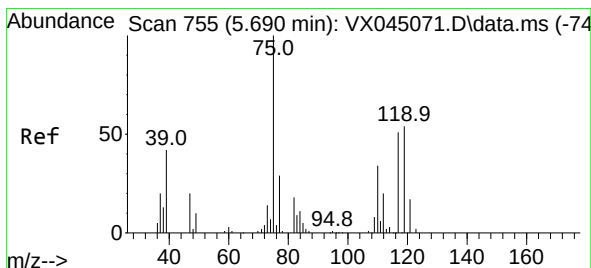
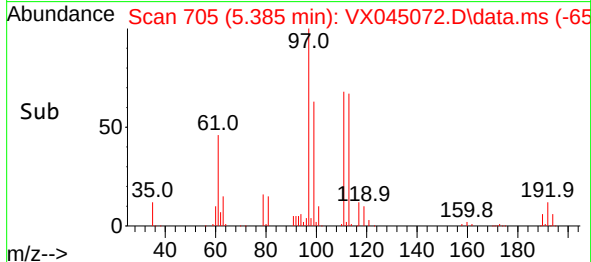
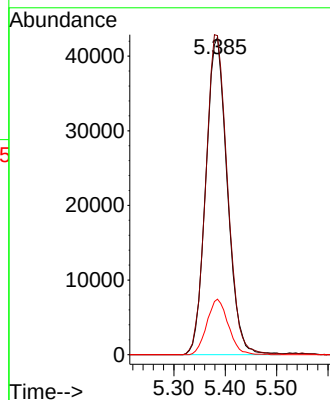
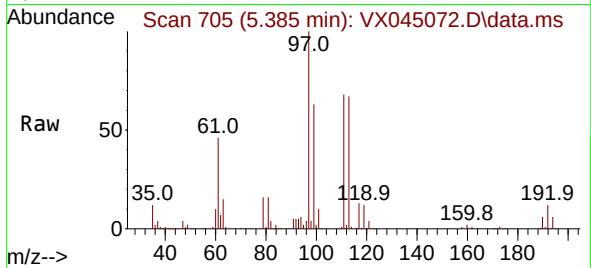




#35
Dibromofluoromethane
Concen: 104.110 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

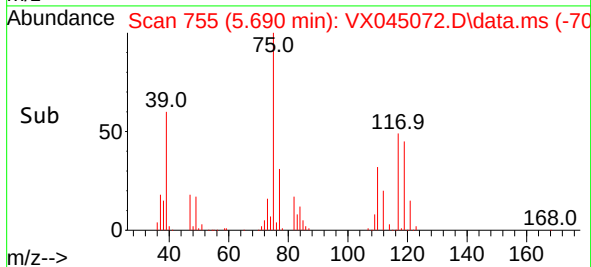
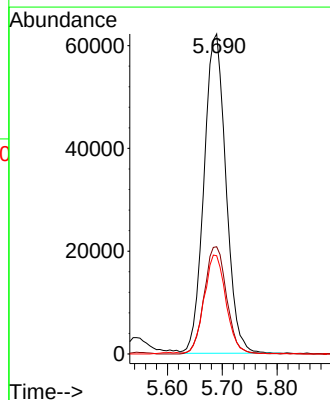
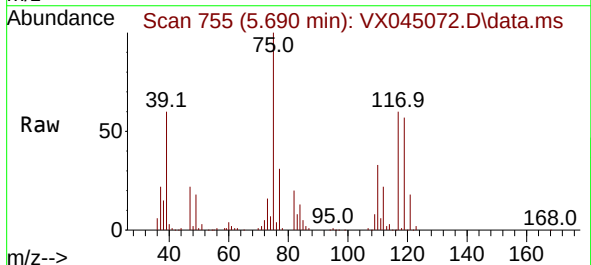
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

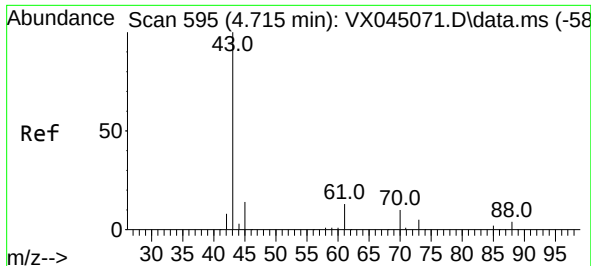
Tgt Ion:113 Resp: 123185
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.6
192 17.5 14.3 21.5



#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# 596

Delta R.T. 0.006 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

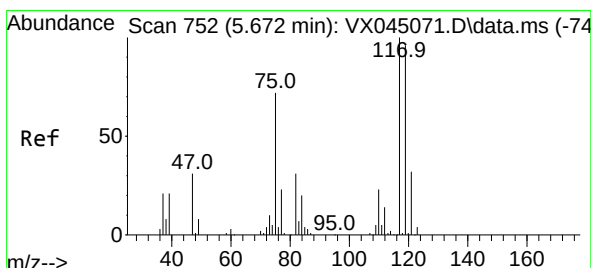
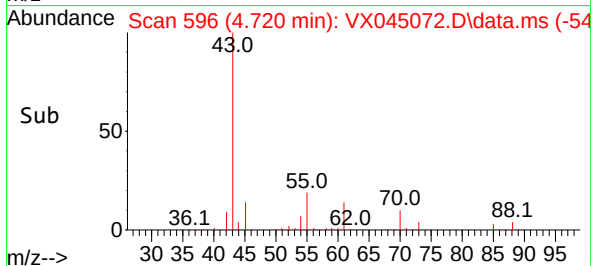
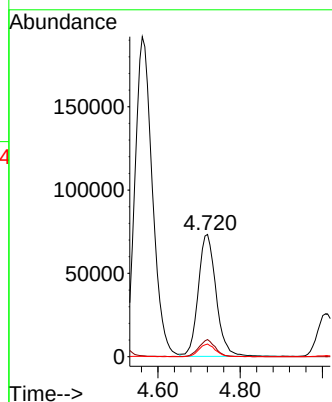
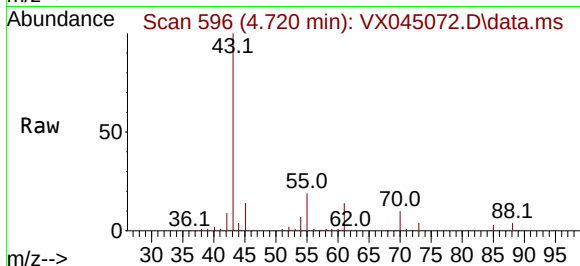
Tgt Ion: 43 Resp: 220327

Ion Ratio Lower Upper

43 100

61 12.6 10.8 16.2

70 9.6 7.7 11.5



#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

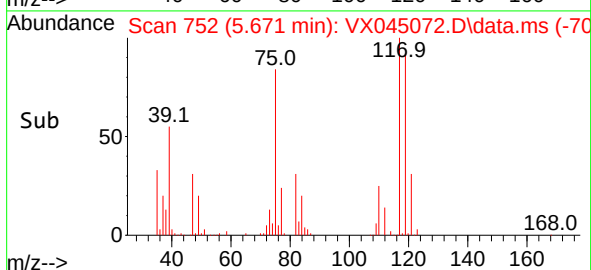
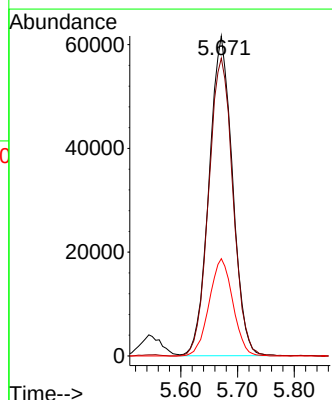
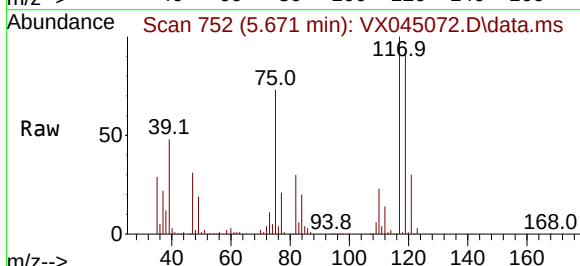
Tgt Ion: 117 Resp: 177219

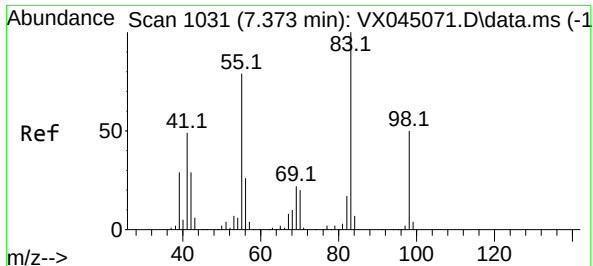
Ion Ratio Lower Upper

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

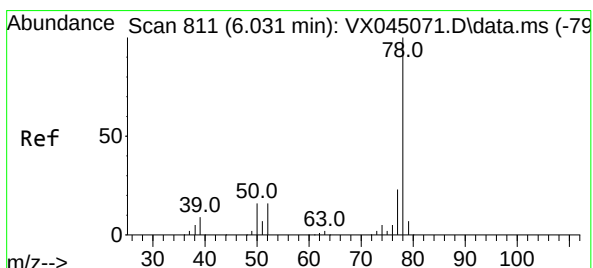
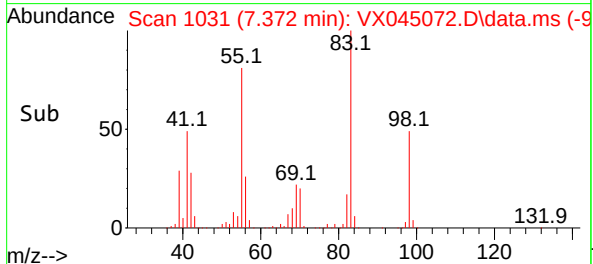
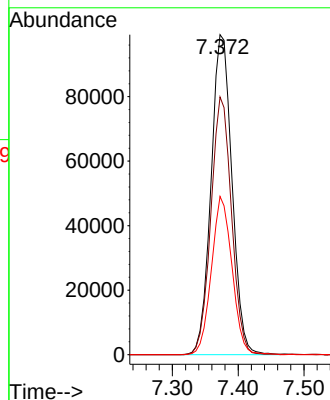
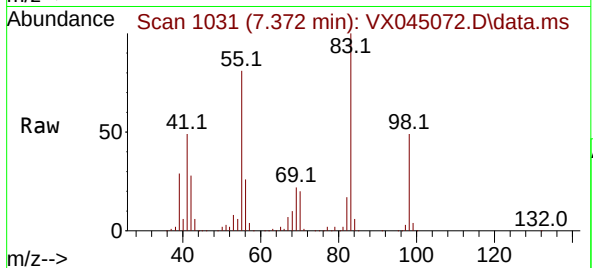
Tgt Ion: 83 Resp: 219856

Ion Ratio Lower Upper

83 100

55 80.6 63.0 94.4

98 49.5 39.7 59.5



#40

Benzene

Concen: 101.908 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX045072.D

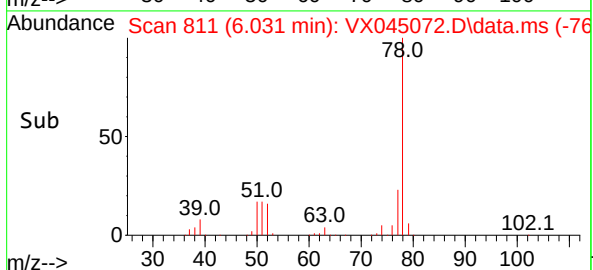
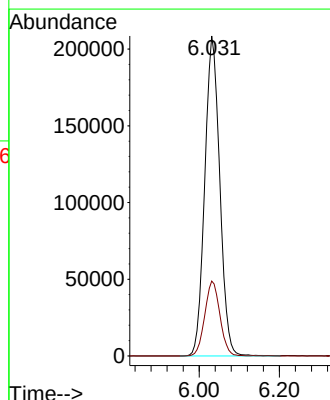
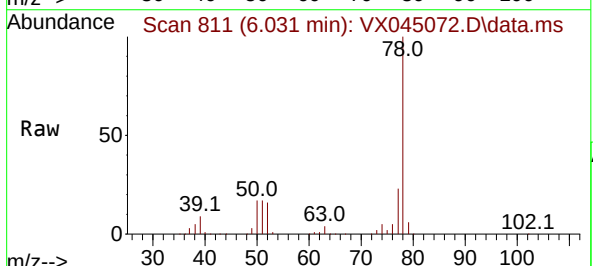
Acq: 28 Feb 2025 03:23

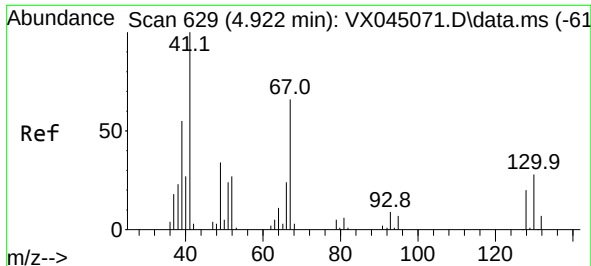
Tgt Ion: 78 Resp: 541974

Ion Ratio Lower Upper

78 100

77 23.4 18.8 28.2



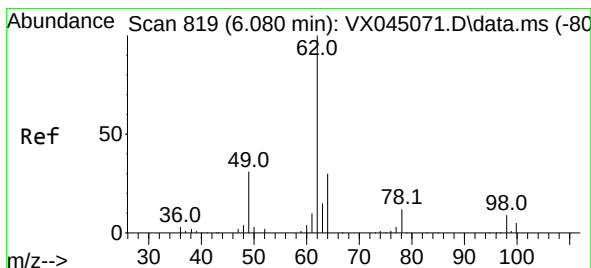
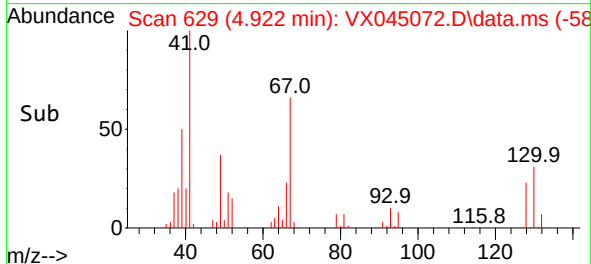
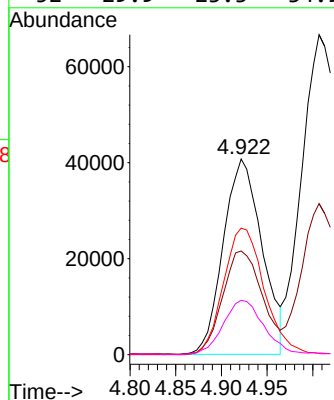
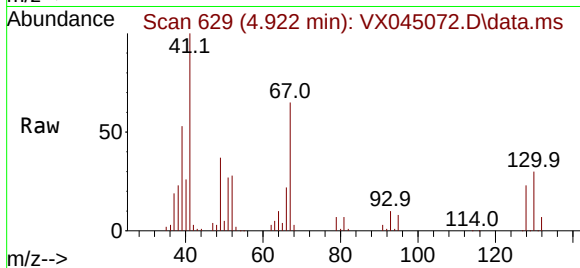


#41
Methacrylonitrile
Concen: 116.205 ug/l
RT: 4.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 120186

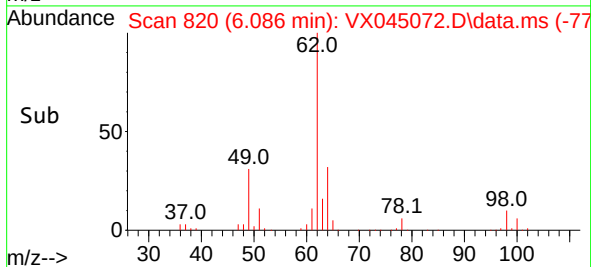
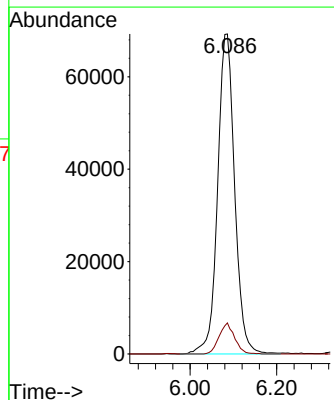
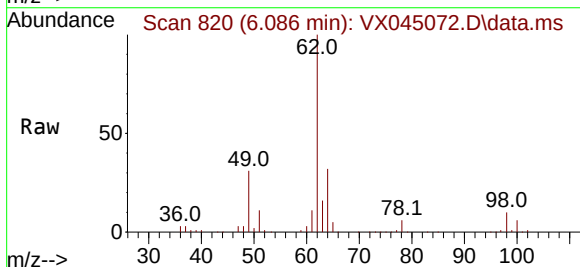
Ion	Ratio	Lower	Upper
41	100		
39	54.3	44.6	67.0
67	68.3	53.9	80.9
52	29.9	23.3	34.9

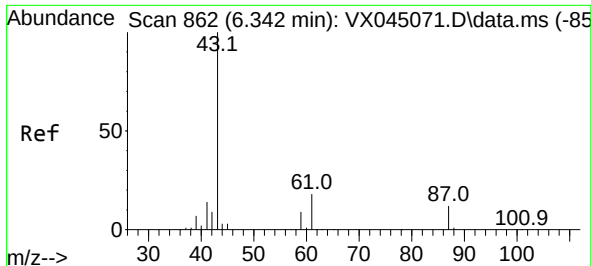


#42
1,2-Dichloroethane
Concen: 110.158 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 62 Resp: 189857

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2

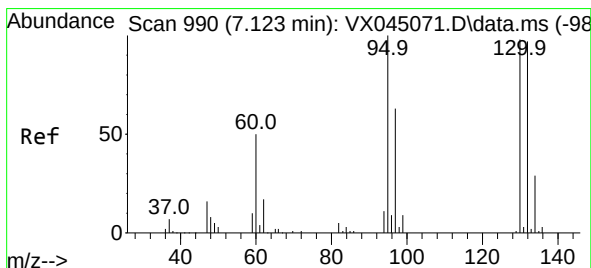
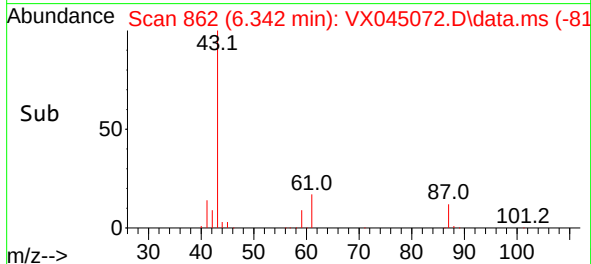
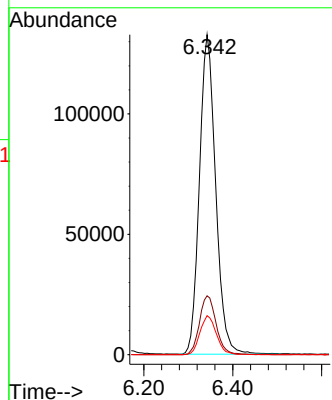
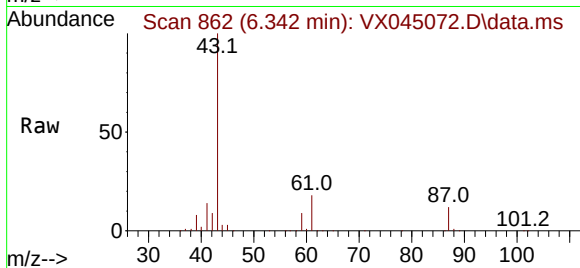




#43
Isopropyl Acetate
Concen: 109.806 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

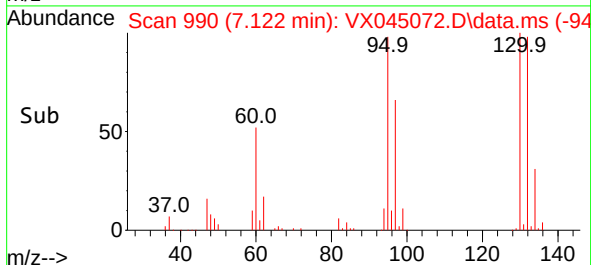
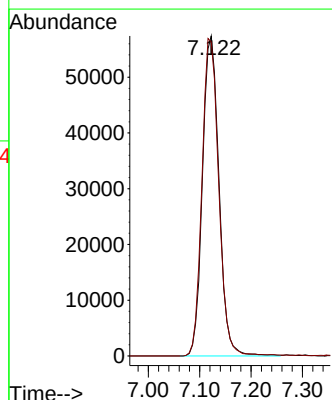
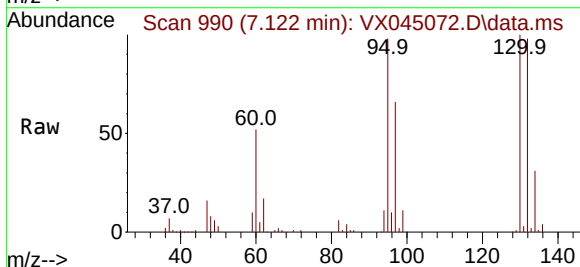
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

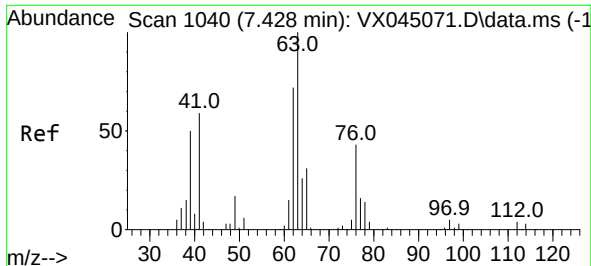
Tgt Ion: 43 Resp: 338414
Ion Ratio Lower Upper
43 100
61 18.9 14.9 22.3
87 12.3 9.4 14.2



#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 :

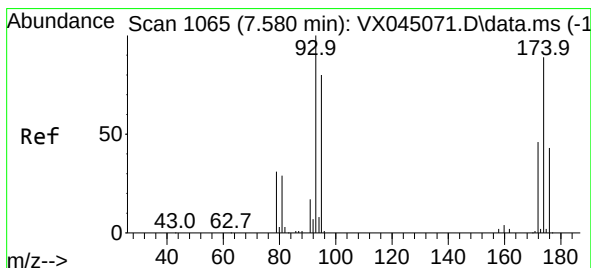
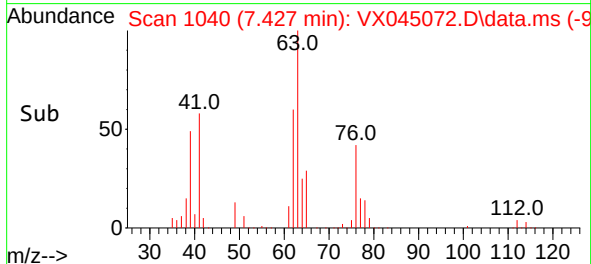
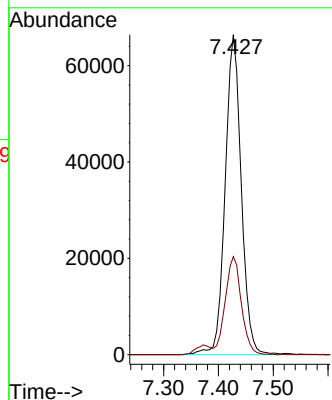
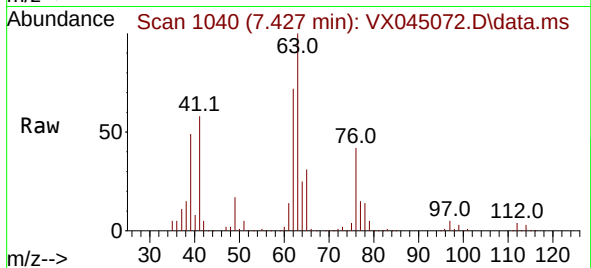
VSTDIC100

Tgt Ion: 63 Resp: 135997

Ion Ratio Lower Upper

63 100

65 30.7 24.7 37.1



#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

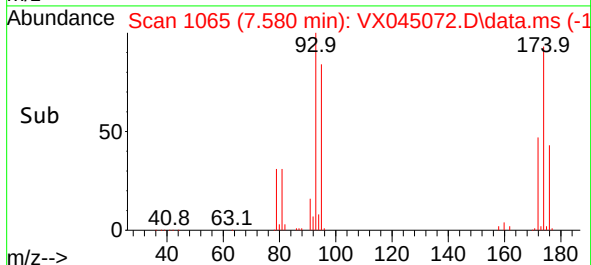
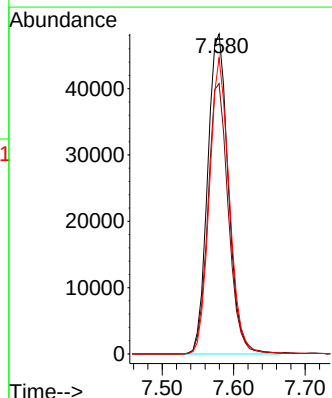
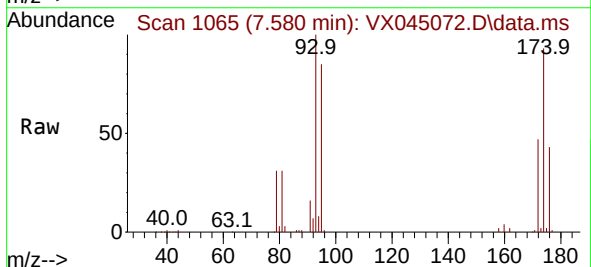
Tgt Ion: 93 Resp: 97248

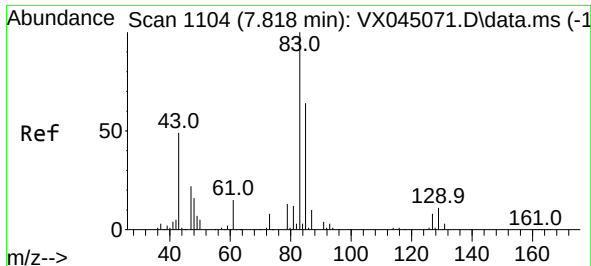
Ion Ratio Lower Upper

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

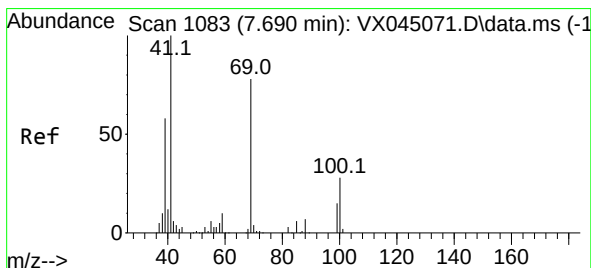
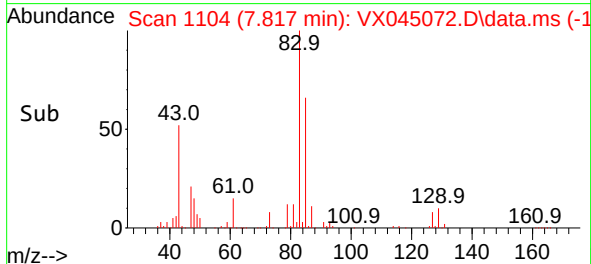
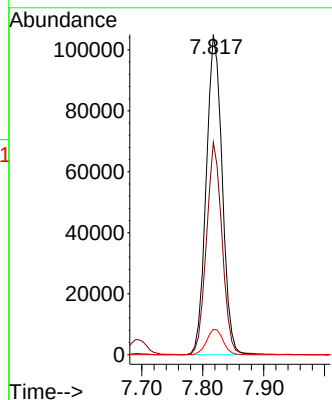
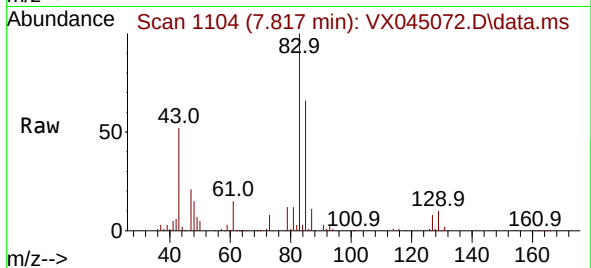
Tgt Ion: 83 Resp: 191016

Ion Ratio Lower Upper

83 100

85 66.4 51.1 76.7

127 7.9 6.4 9.6



#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

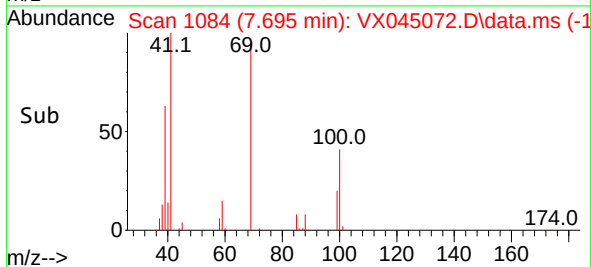
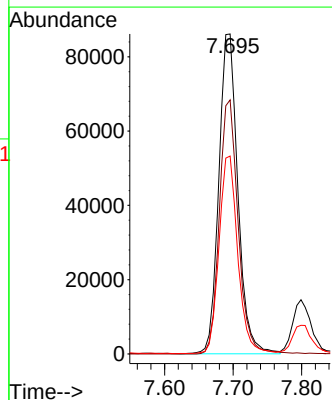
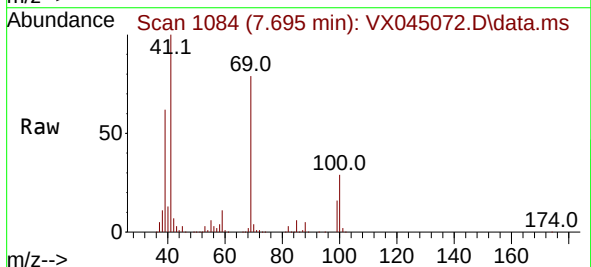
Tgt Ion: 41 Resp: 165825

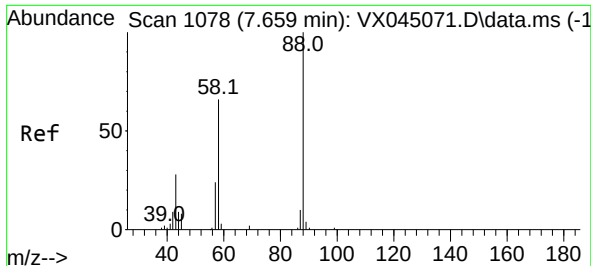
Ion Ratio Lower Upper

41 100

69 78.5 63.0 94.6

39 60.9 47.5 71.3

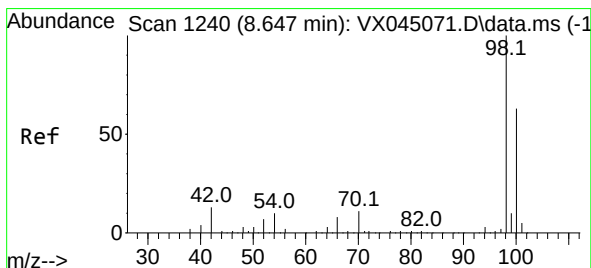
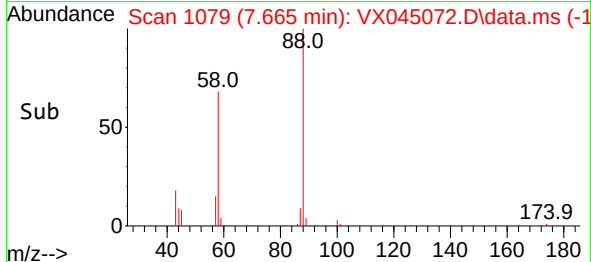
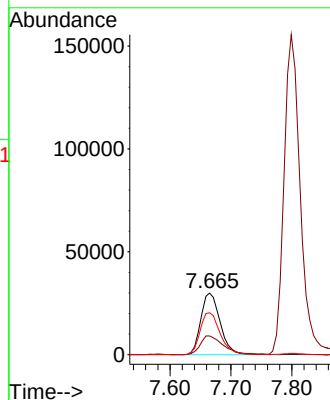
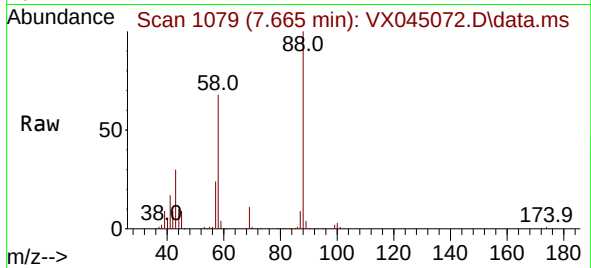




#49
1,4-Dioxane
Concen: 2132.314 ug/l
RT: 7.665 min Scan# 1078
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

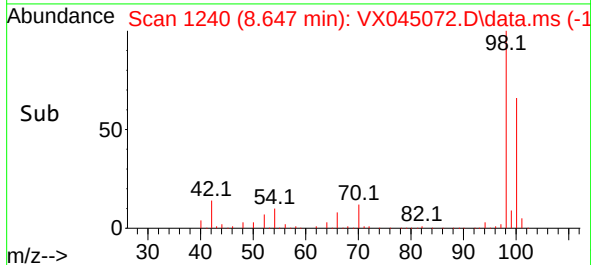
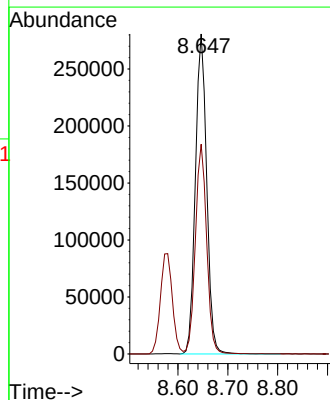
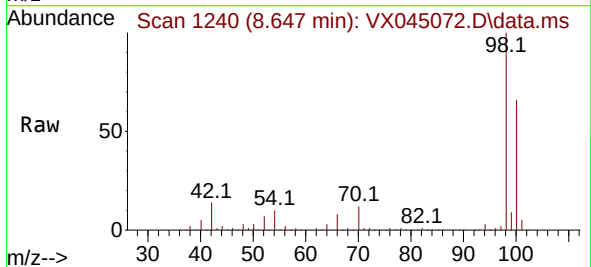
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

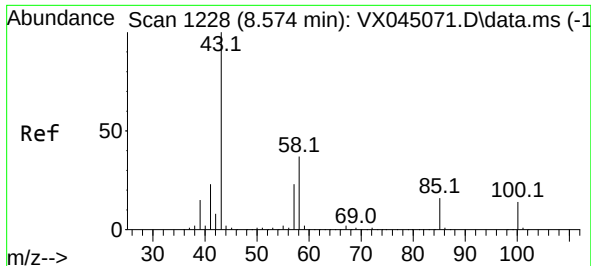
Tgt Ion: 88 Resp: 66308
Ion Ratio Lower Upper
88 100
43 35.6 28.7 43.1
58 70.5 55.8 83.8



#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# 11

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

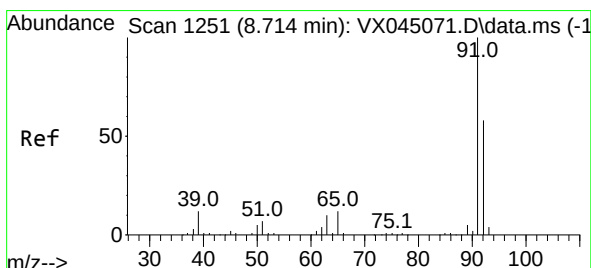
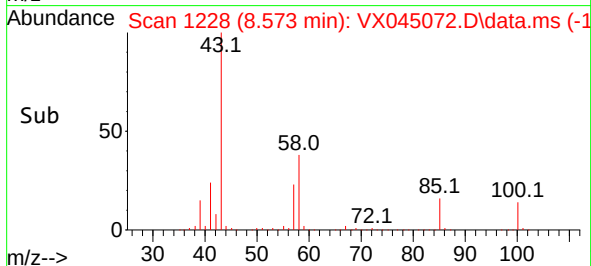
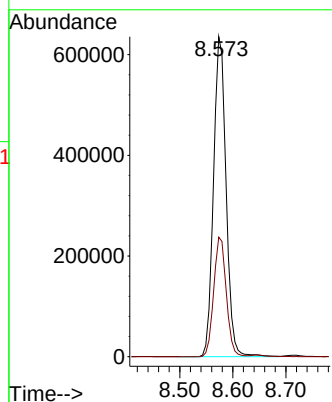
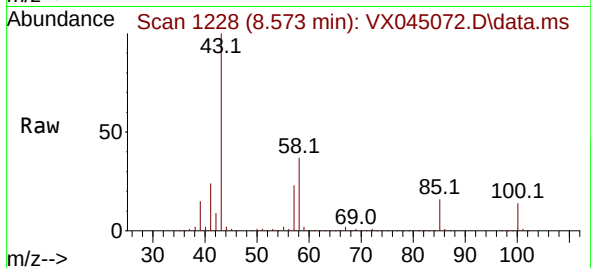
VSTDIC100

Tgt Ion: 43 Resp: 1048140

Ion Ratio Lower Upper

43 100

58 37.4 29.2 43.8



#52

Toluene

Concen: 100.178 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX045072.D

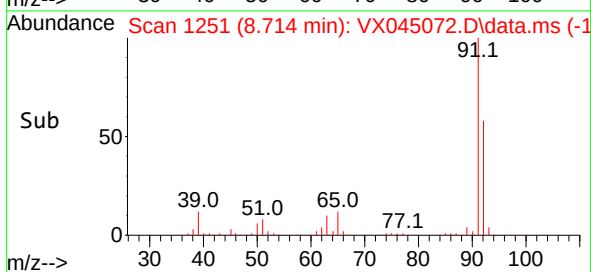
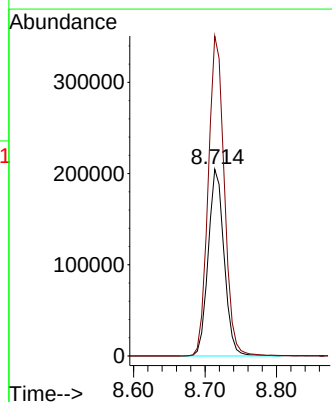
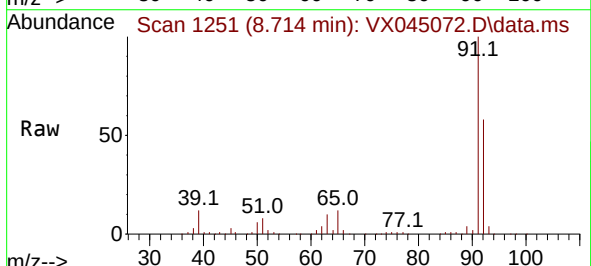
Acq: 28 Feb 2025 03:23

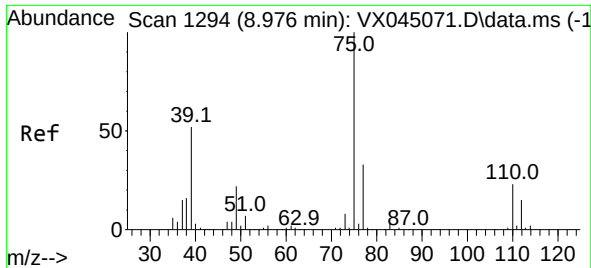
Tgt Ion: 92 Resp: 316349

Ion Ratio Lower Upper

92 100

91 173.2 138.9 208.3

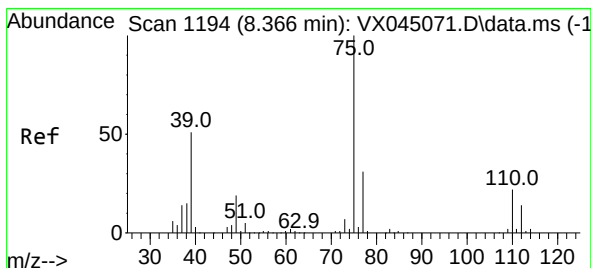
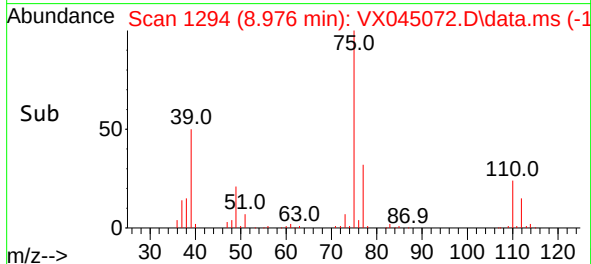
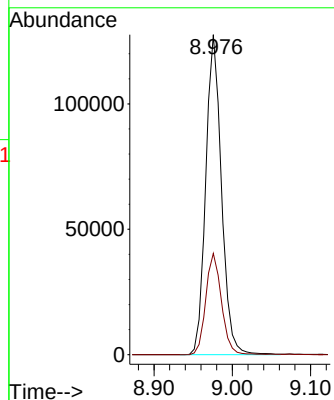
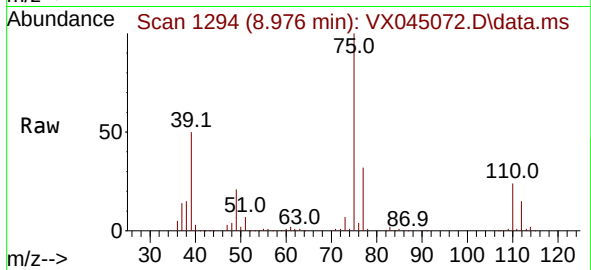




#53
 t-1,3-Dichloropropene
 Concen: 100.462 ug/l
 RT: 8.976 min Scan# 1194
 Delta R.T. -0.000 min
 Lab File: VX045072.D
 Acq: 28 Feb 2025 03:23

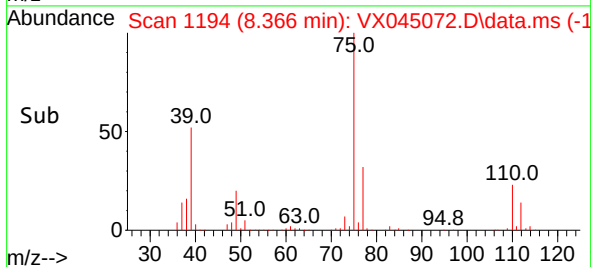
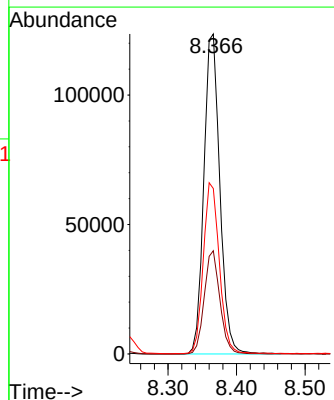
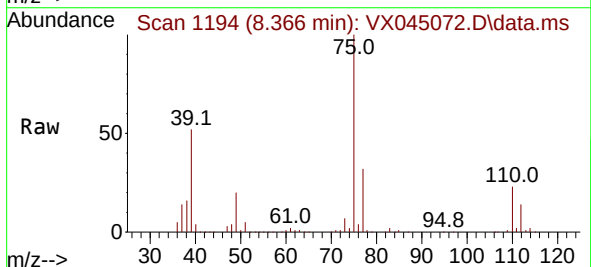
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

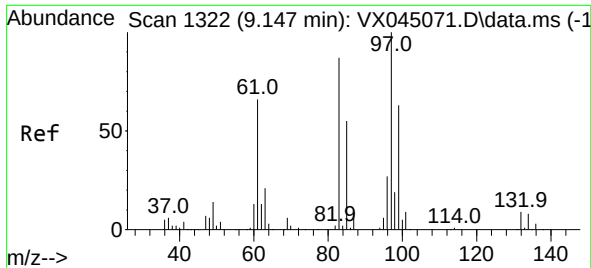
Tgt Ion: 75 Resp: 177352
 Ion Ratio Lower Upper
 75 100
 77 31.6 26.5 39.7



#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

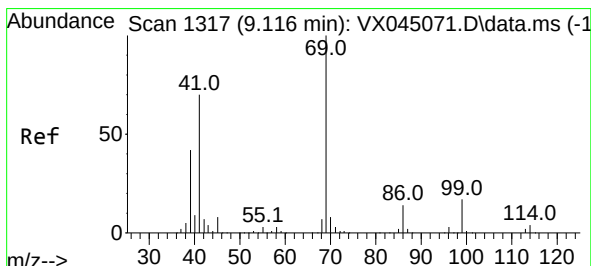
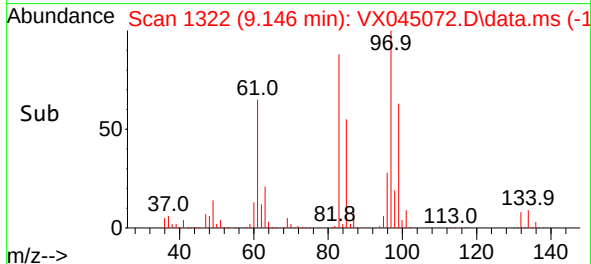
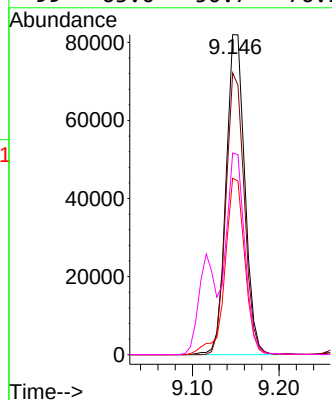
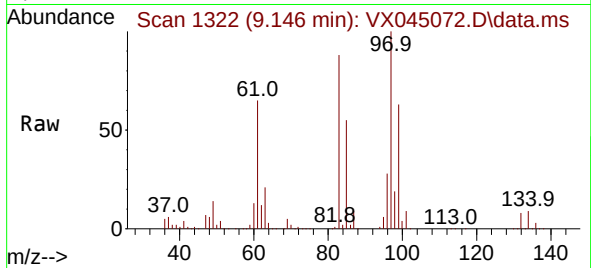




#55
1,1,2-Trichloroethane
Concen: 100.920 ug/l
RT: 9.146 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

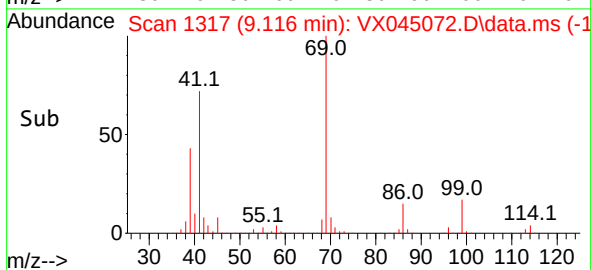
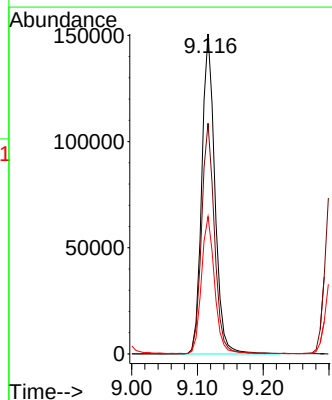
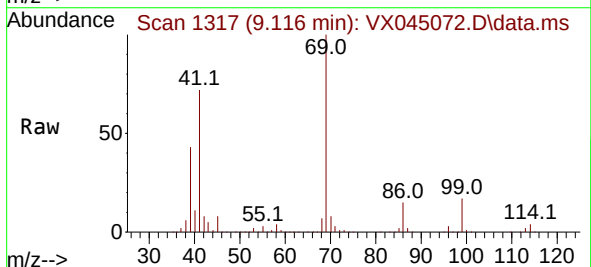
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

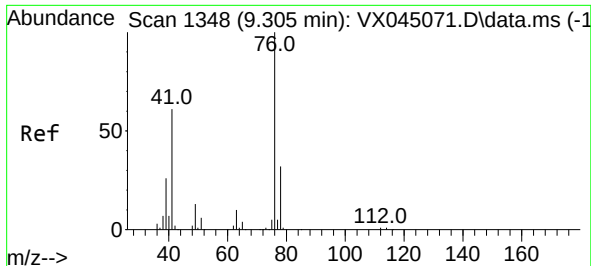
Tgt Ion:	97	Resp:	123426
Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.4	104.2
85	55.1	44.1	66.1
99	63.0	50.7	76.1



#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# 11

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

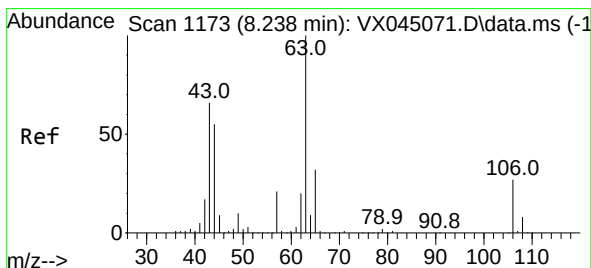
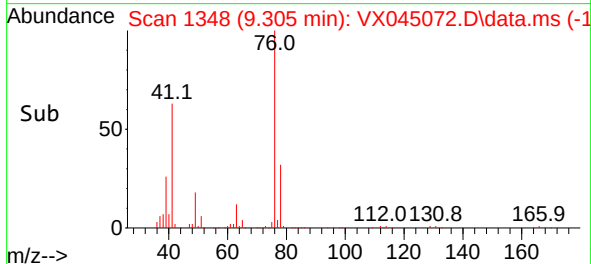
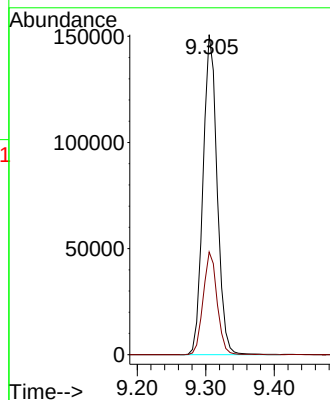
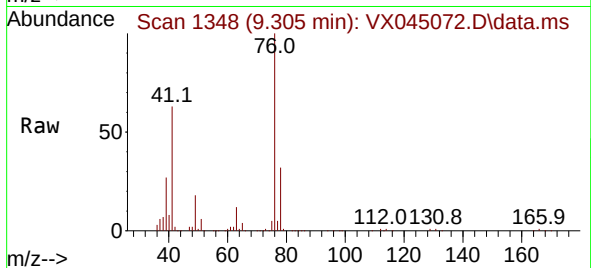
VSTDICC100

Tgt Ion: 76 Resp: 216267

Ion Ratio Lower Upper

76 100

78 31.8 25.5 38.3



#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

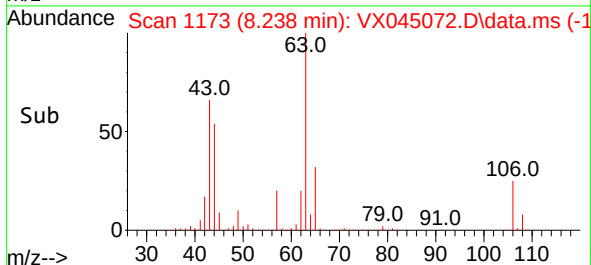
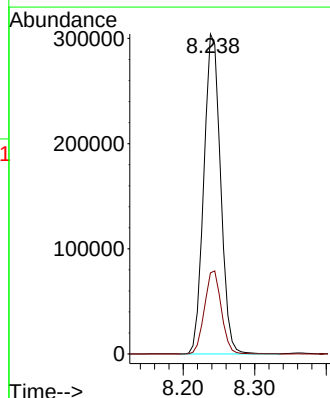
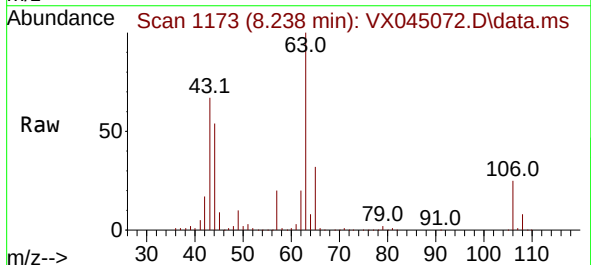
Acq: 28 Feb 2025 03:23

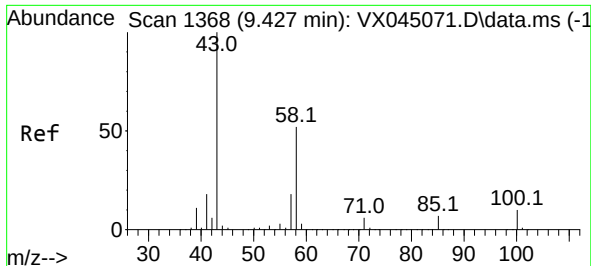
Tgt Ion: 63 Resp: 494551

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 :

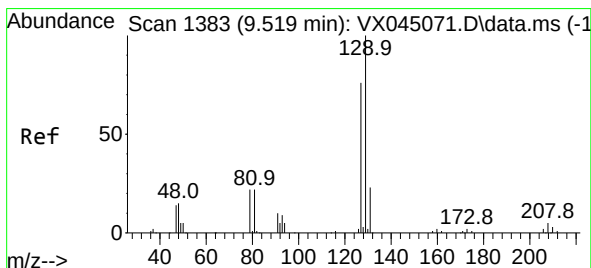
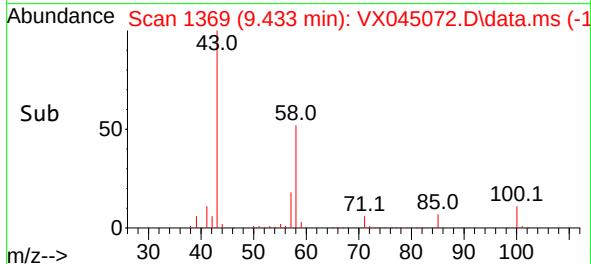
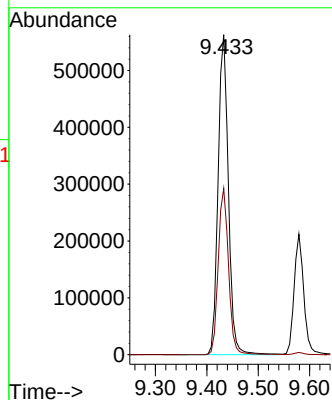
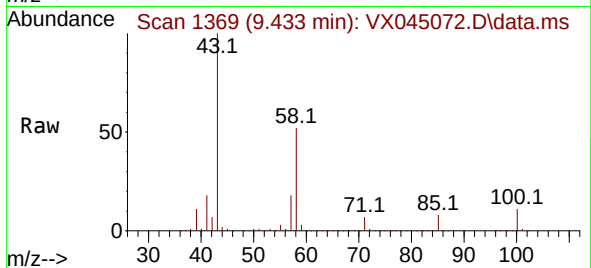
VSTDICC100

Tgt Ion: 43 Resp: 779492

Ion Ratio Lower Upper

43 100

58 52.2 25.9 77.6



#60

Dibromochloromethane

Concen: 106.719 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX045072.D

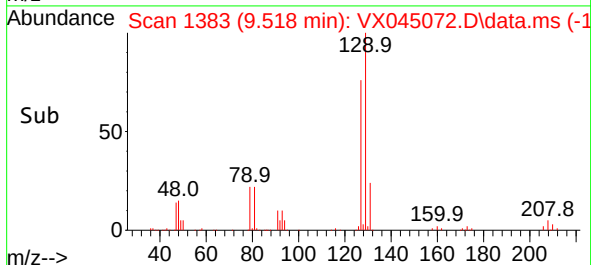
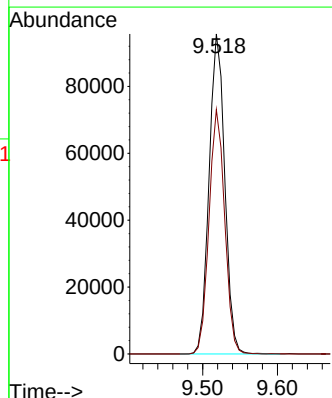
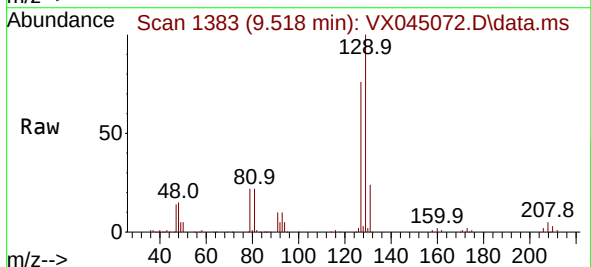
Acq: 28 Feb 2025 03:23

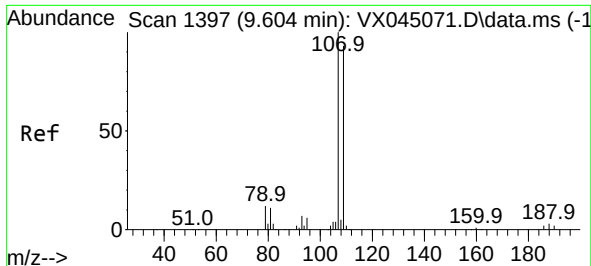
Tgt Ion: 129 Resp: 139245

Ion Ratio Lower Upper

129 100

127 76.3 38.5 115.5

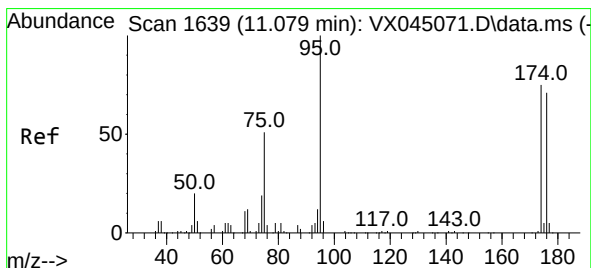
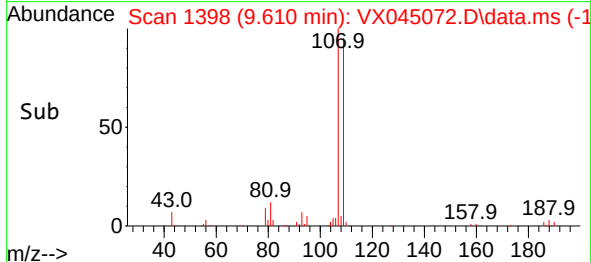
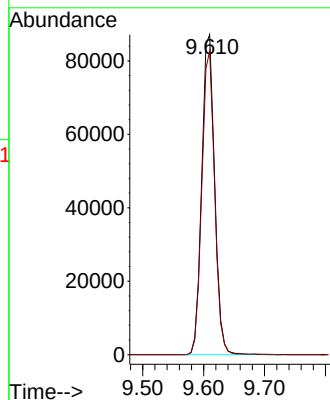
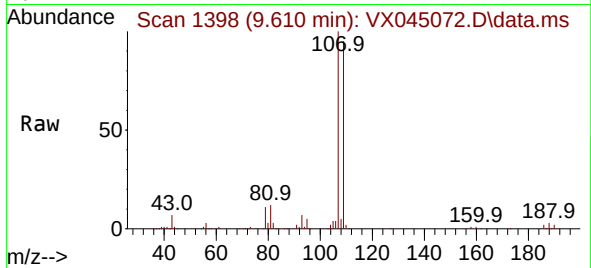




#61
1,2-Dibromoethane
Concen: 104.259 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

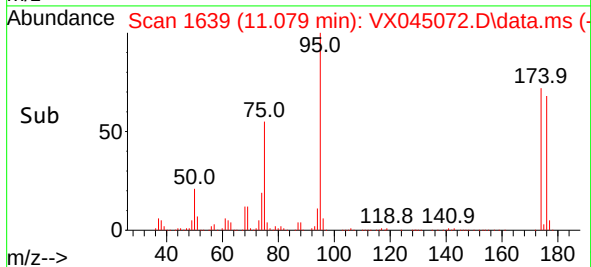
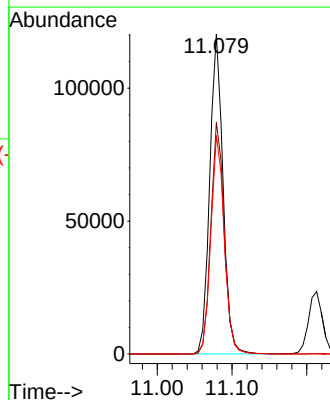
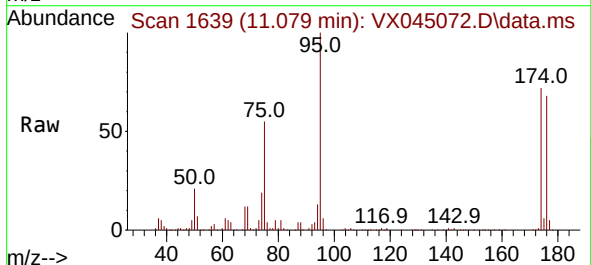
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

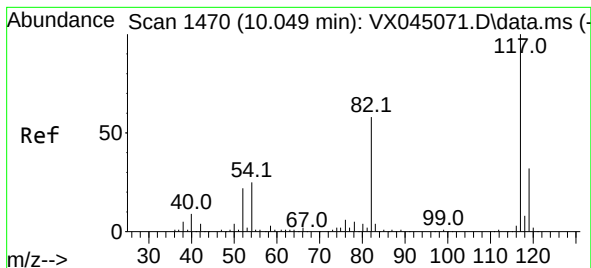
Tgt Ion:107 Resp: 128617
Ion Ratio Lower Upper
107 100
109 94.3 76.1 114.1



#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

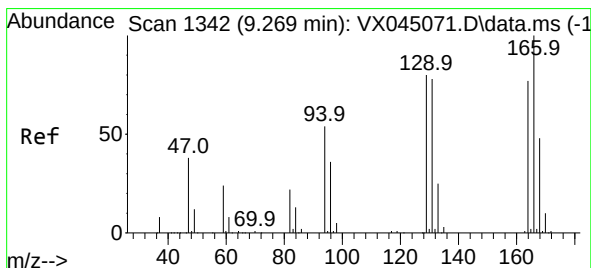
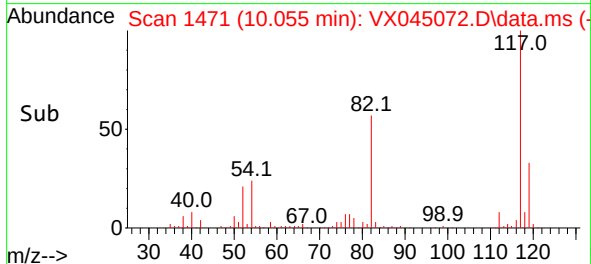
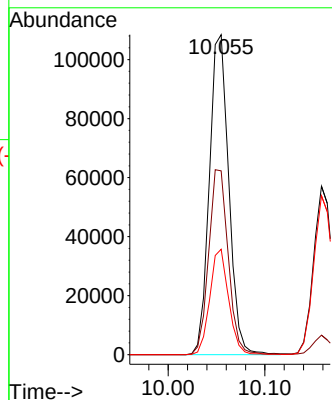
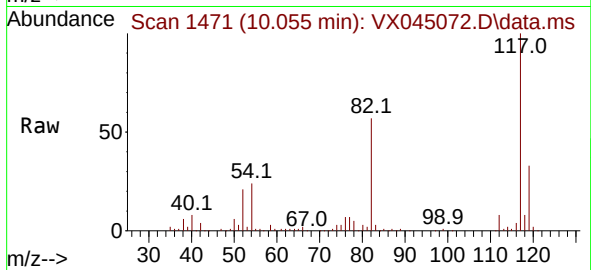




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

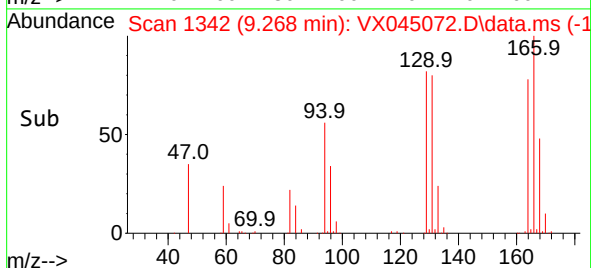
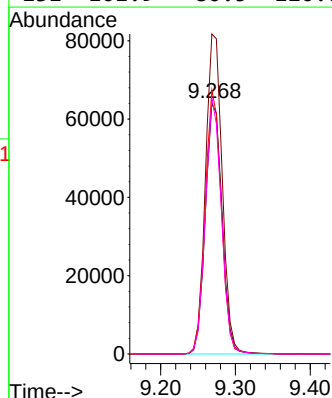
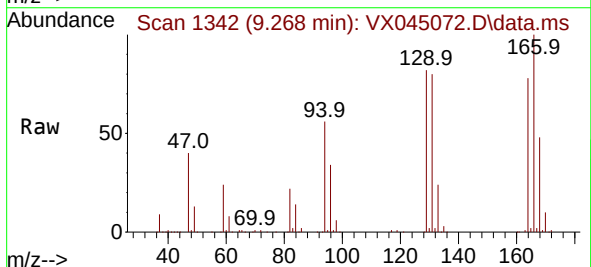
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

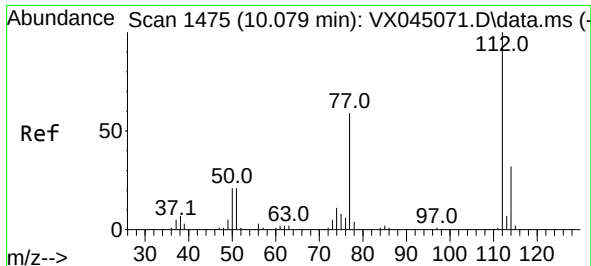
Tgt Ion:117 Resp: 151175
Ion Ratio Lower Upper
117 100
82 57.5 46.3 69.5
119 33.0 25.7 38.5



#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

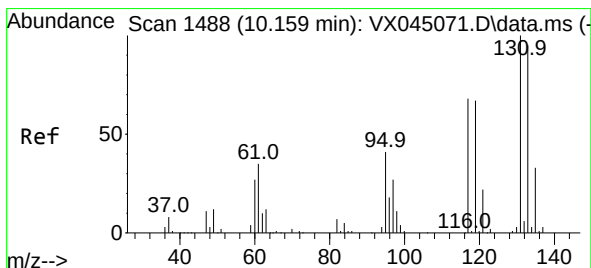
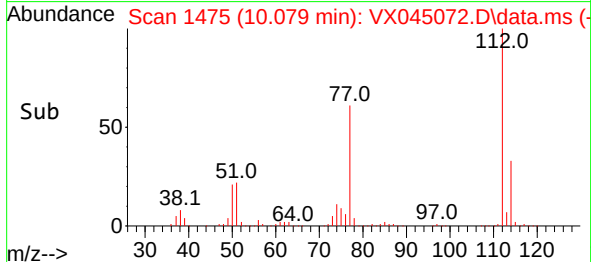
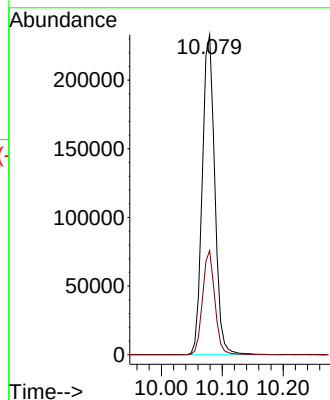
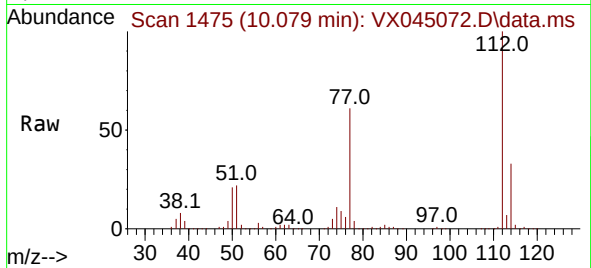




#65
Chlorobenzene
Concen: 102.456 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

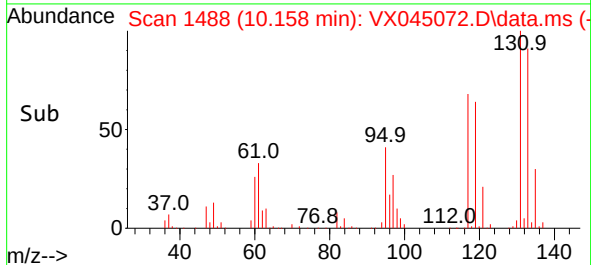
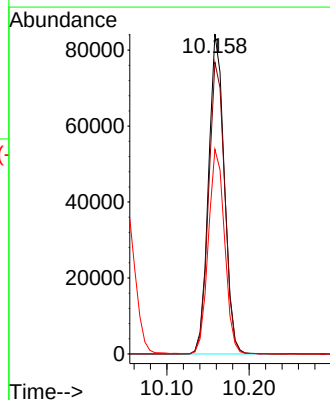
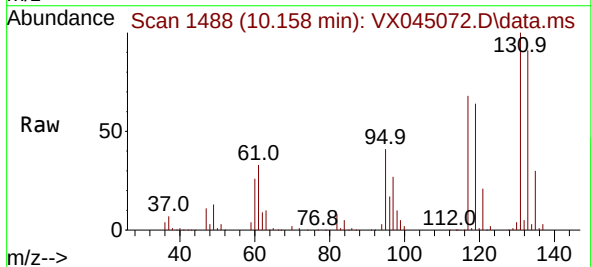
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

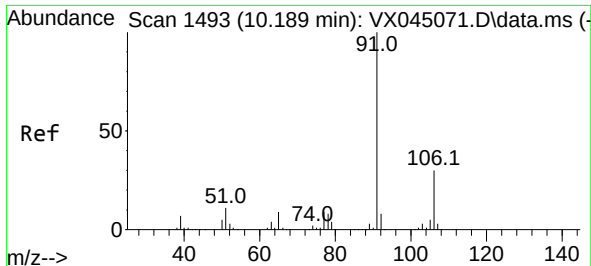
Tgt Ion:112 Resp: 332473
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0



#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

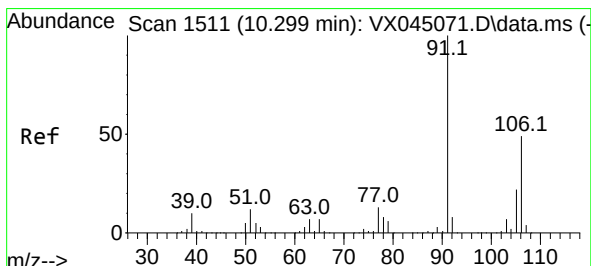
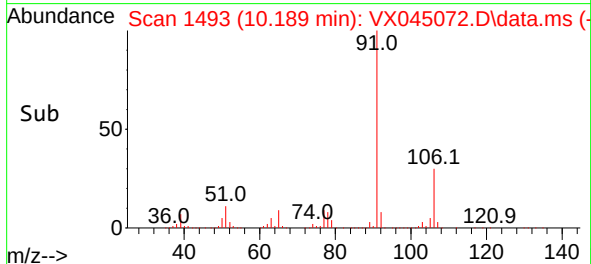
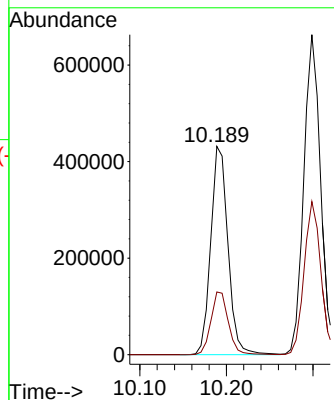
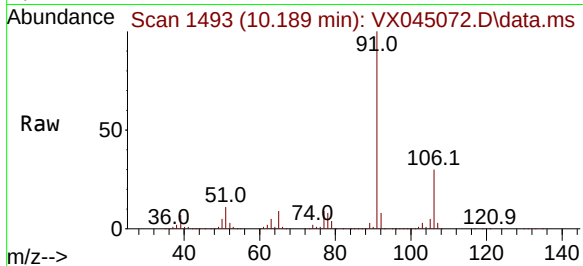




#67
Ethyl Benzene
Concen: 103.905 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

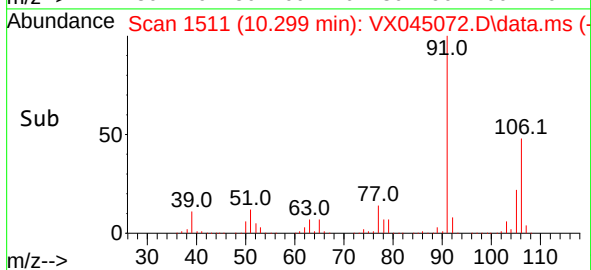
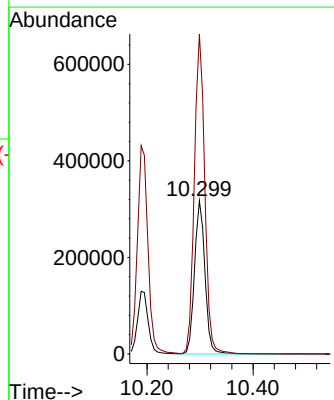
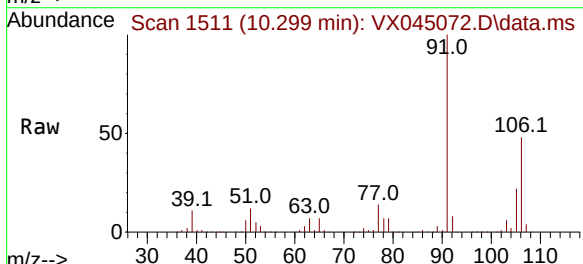
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

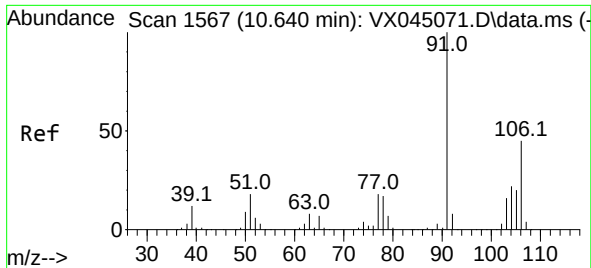
Tgt Ion: 91 Resp: 596257
Ion Ratio Lower Upper
91 100
106 30.1 23.9 35.9



#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

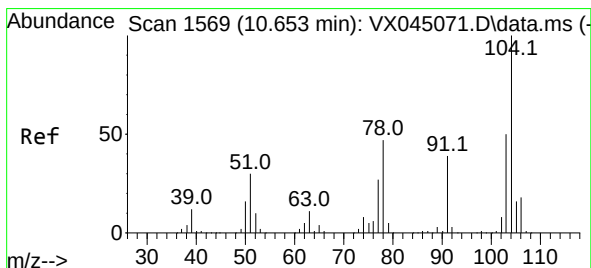
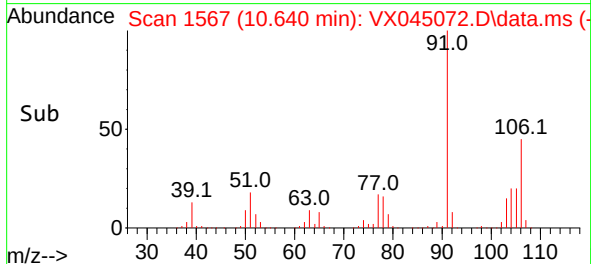
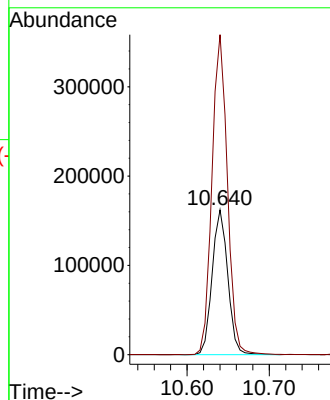
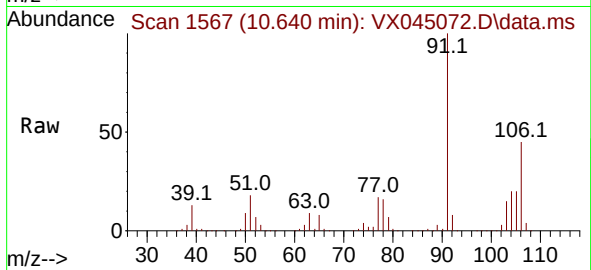




#69
o-Xylene
Concen: 100.849 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

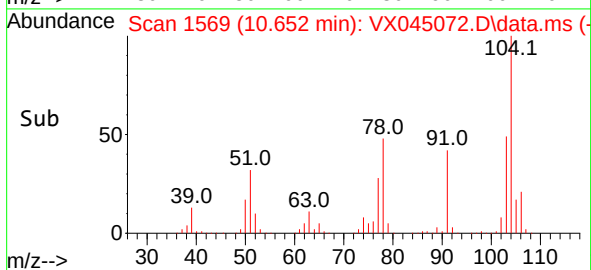
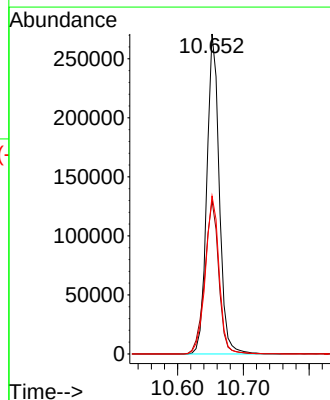
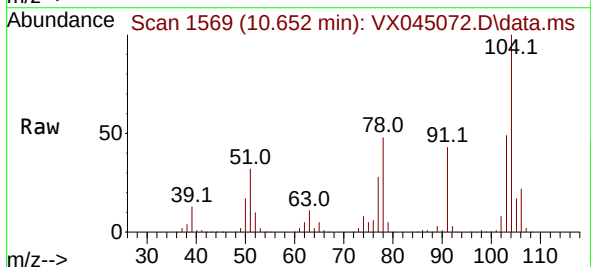
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

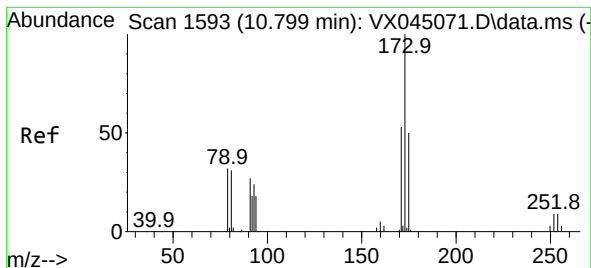
Tgt Ion:106 Resp: 213835
Ion Ratio Lower Upper
106 100
91 218.2 109.9 329.6



#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# 11

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

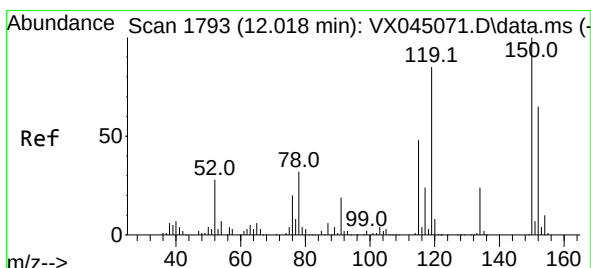
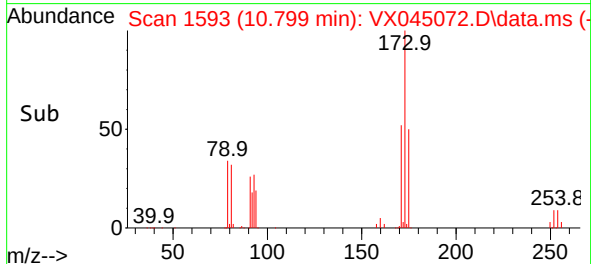
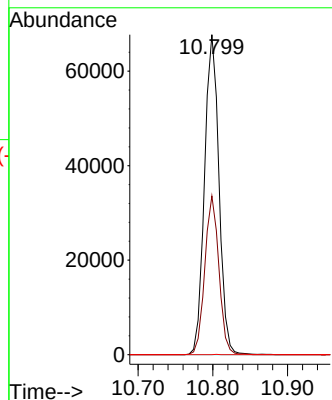
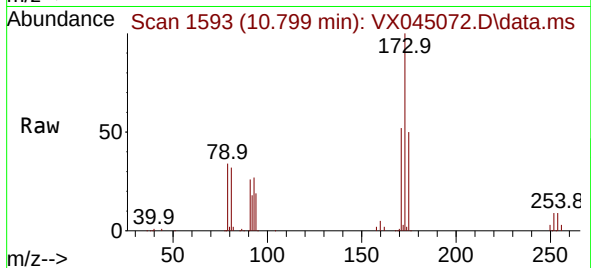
Tgt Ion:173 Resp: 90800

Ion Ratio Lower Upper

173 100

175 48.3 24.6 73.6

254 0.0 0.0 0.0#



#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

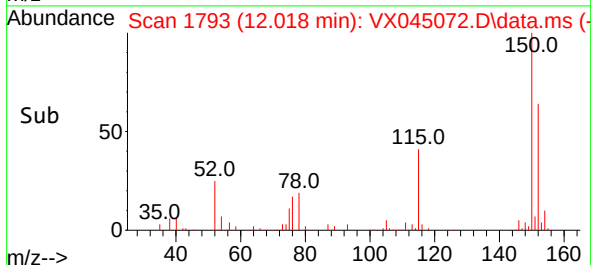
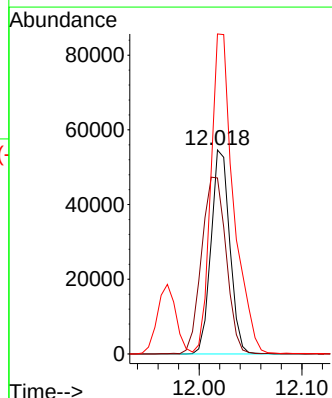
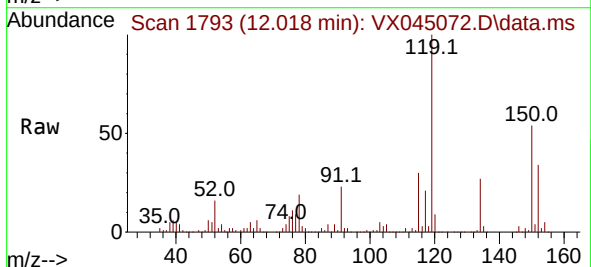
Tgt Ion:152 Resp: 69086

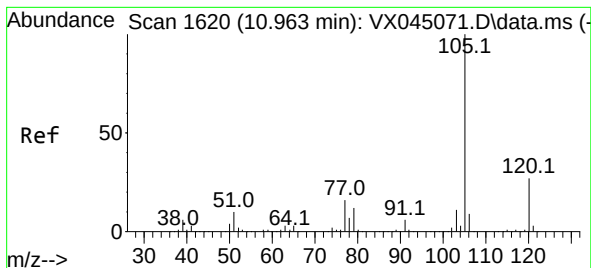
Ion Ratio Lower Upper

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# 1

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

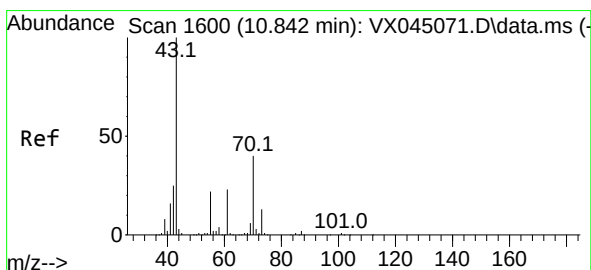
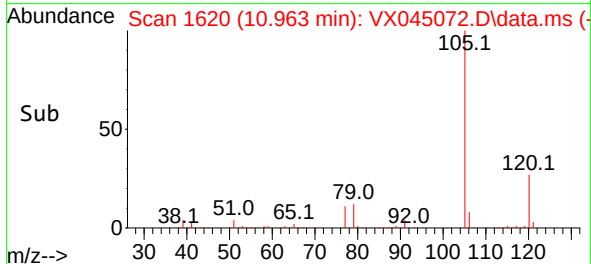
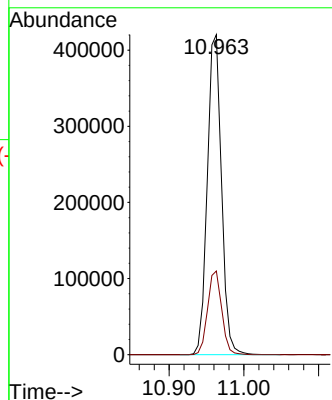
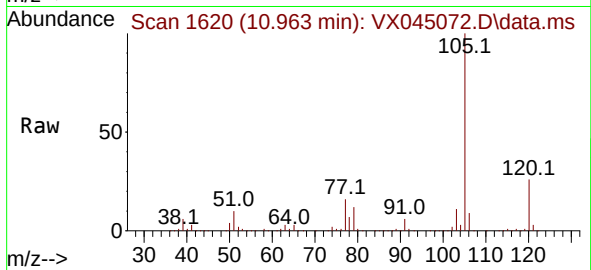
VSTDICC100

Tgt Ion:105 Resp: 553533

Ion Ratio Lower Upper

105 100

120 26.0 13.2 39.5



#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

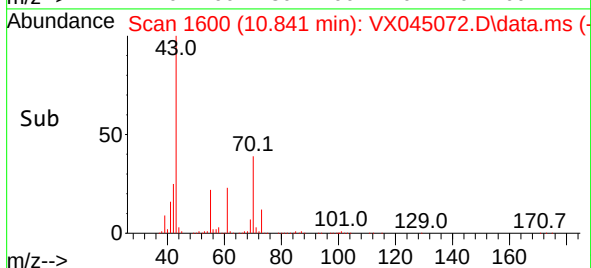
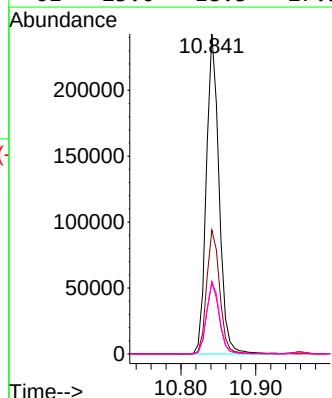
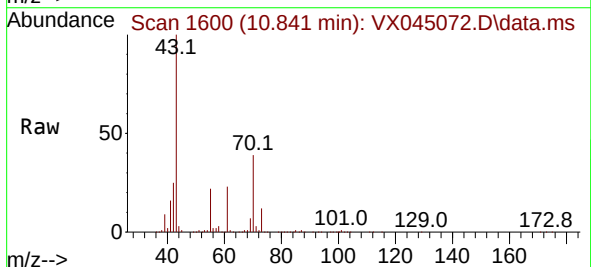
Ion Ratio Lower Upper

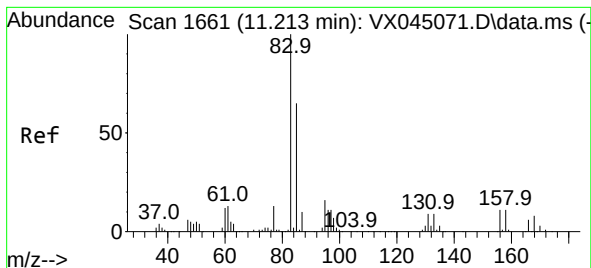
43 100

70 39.6 31.8 47.6

55 22.3 18.3 27.5

61 23.0 18.3 27.5

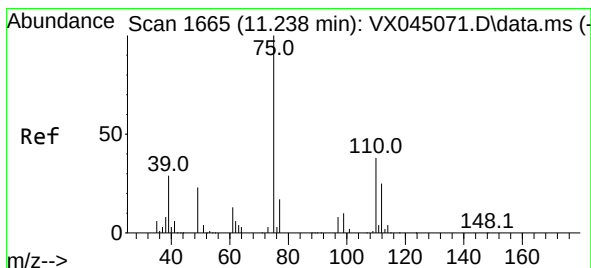
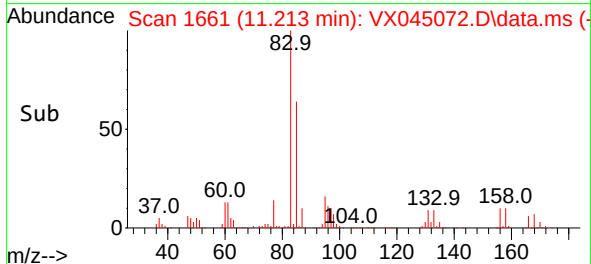
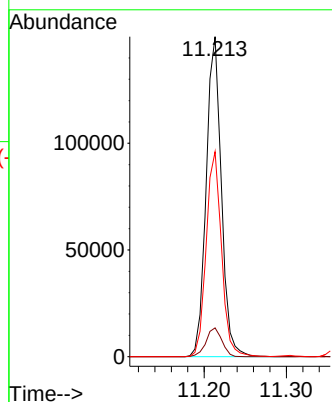
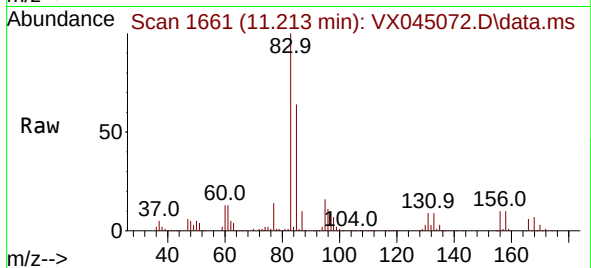




#75
1,1,2,2-Tetrachloroethane
Concen: 99.923 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

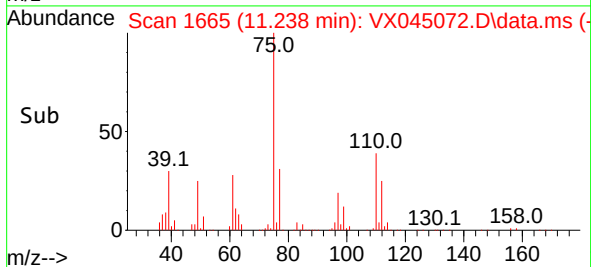
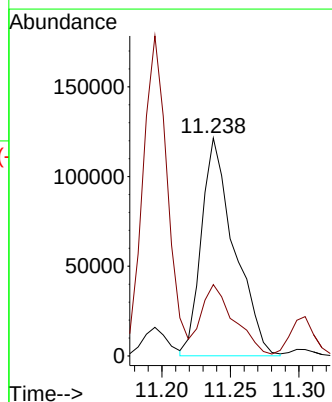
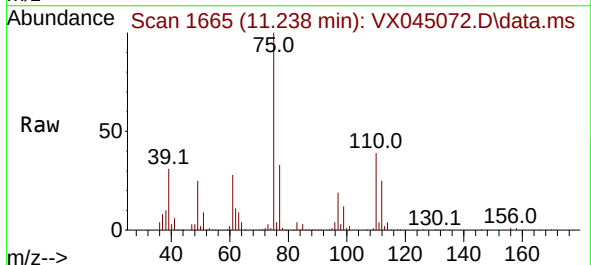
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

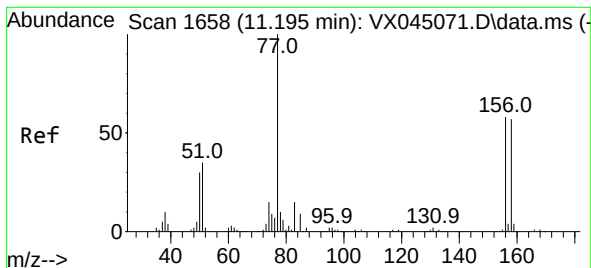
Tgt Ion: 83 Resp: 192217
Ion Ratio Lower Upper
83 100
131 9.4 4.5 13.4
85 64.7 31.7 95.1



#76
1,2,3-Trichloropropane
Concen: 131.738 ug/l
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: 203020
Ion Ratio Lower Upper
75 100
77 32.9 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

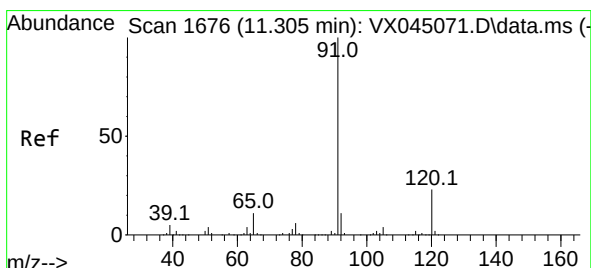
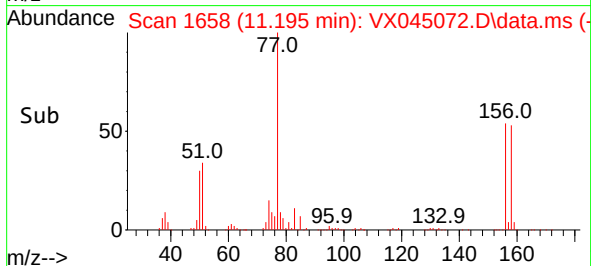
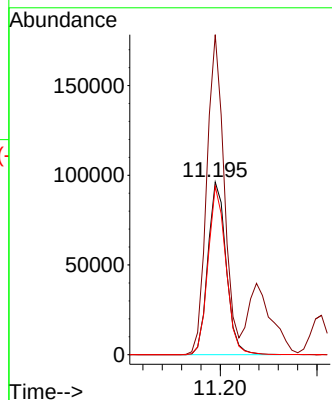
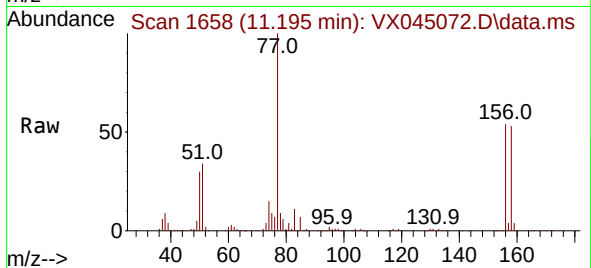
Tgt Ion:156 Resp: 125700

Ion Ratio Lower Upper

156 100

77 177.3 85.8 257.4

158 95.9 48.4 145.2



#78

n-propylbenzene

Concen: 100.758 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX045072.D

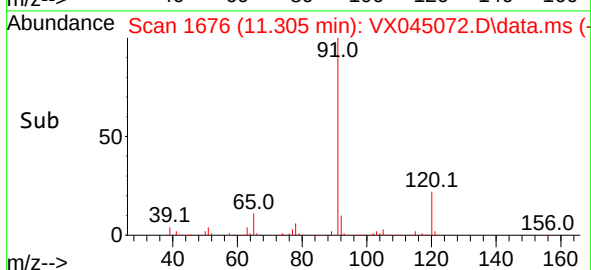
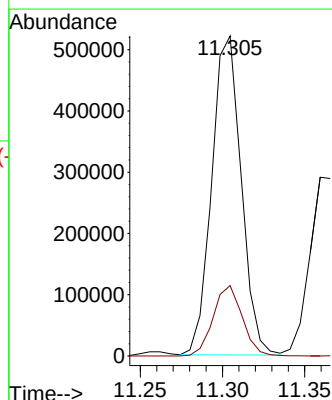
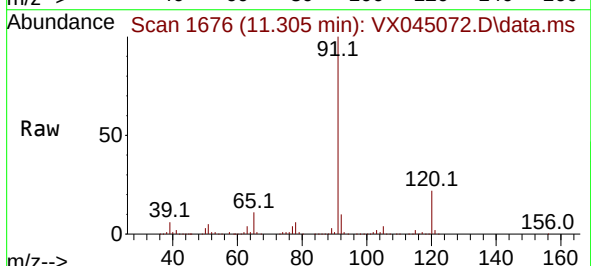
Acq: 28 Feb 2025 03:23

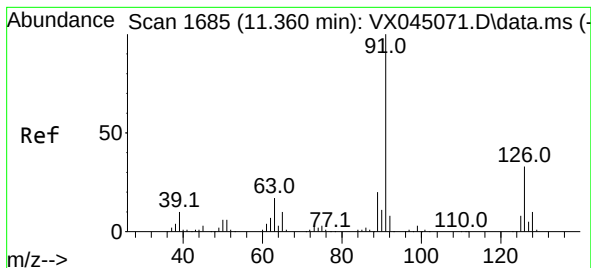
Tgt Ion: 91 Resp: 648835

Ion Ratio Lower Upper

91 100

120 21.8 11.2 33.6

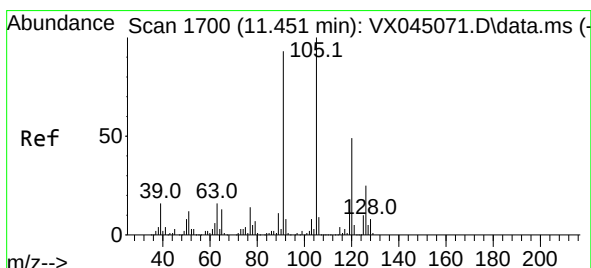
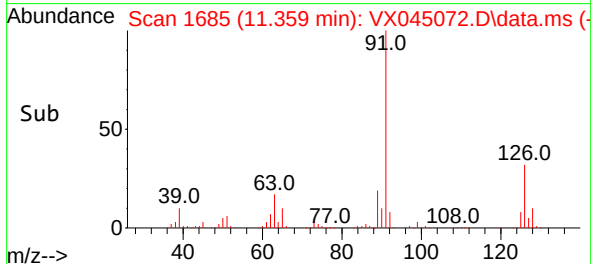
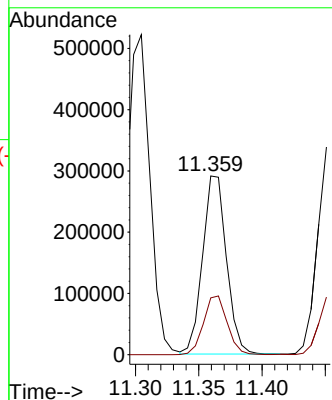
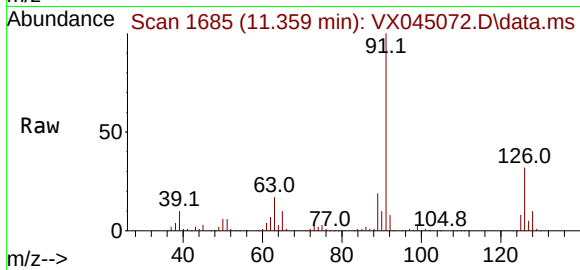




#79
2-Chlorotoluene
Concen: 96.825 ug/l
RT: 11.359 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

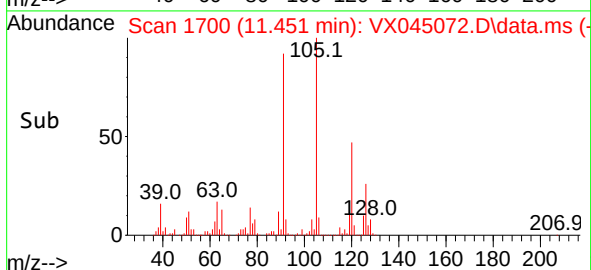
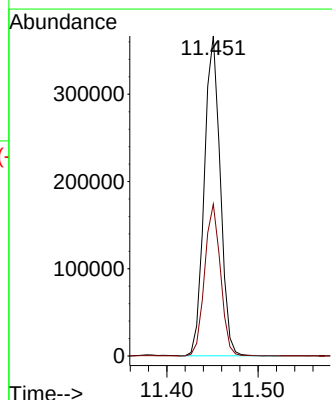
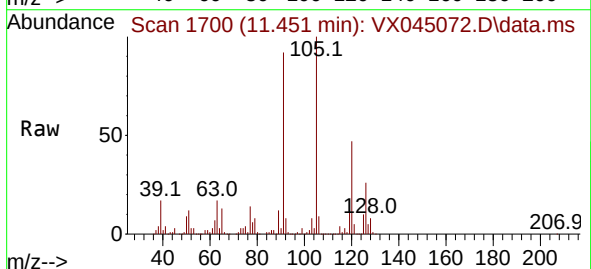
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

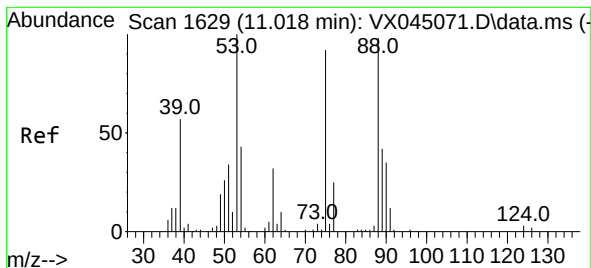
Tgt Ion: 91 Resp: 382703
Ion Ratio Lower Upper
91 100
126 32.7 16.4 49.4



#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

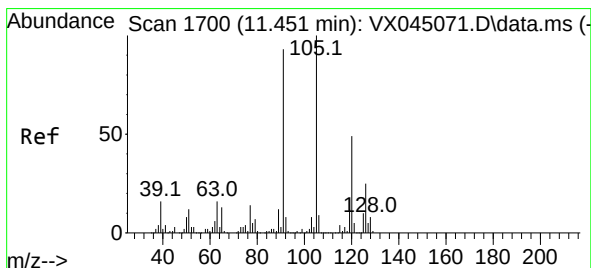
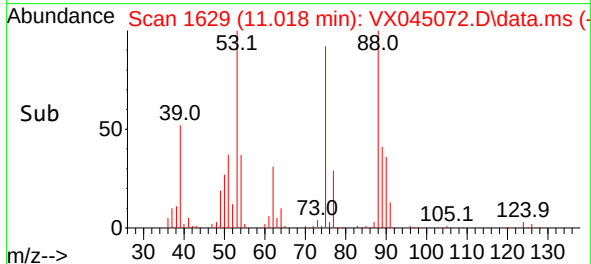
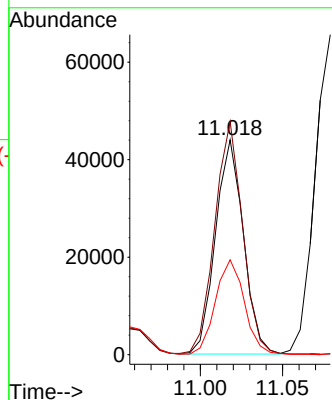
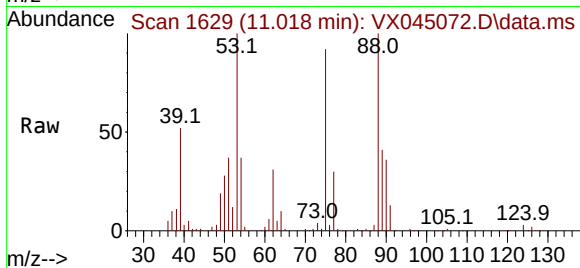




#81
trans-1,4-Dichloro-2-butene
Concen: 91.460 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

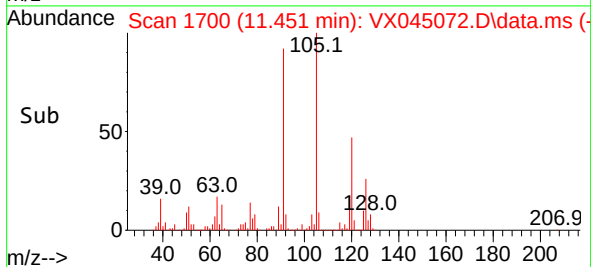
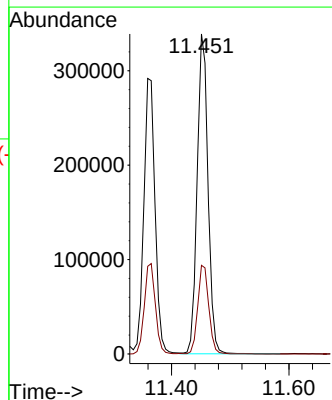
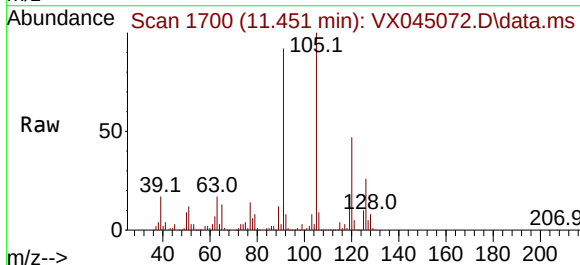
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

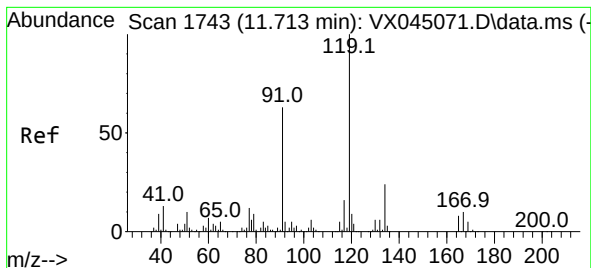
Tgt Ion: 75 Resp: 51975
Ion Ratio Lower Upper
75 100
53 109.9 88.5 132.7
89 45.7 36.2 54.4



#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# 11

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

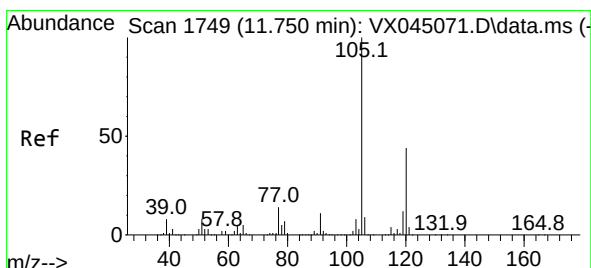
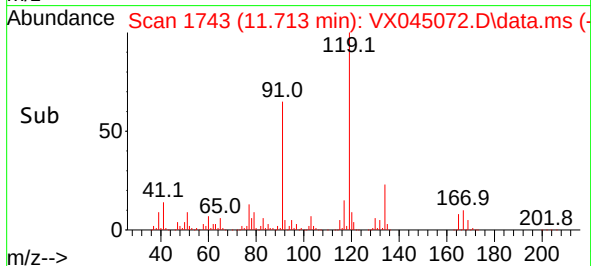
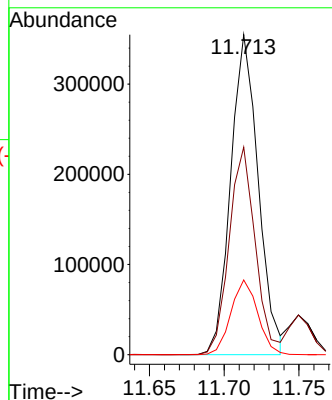
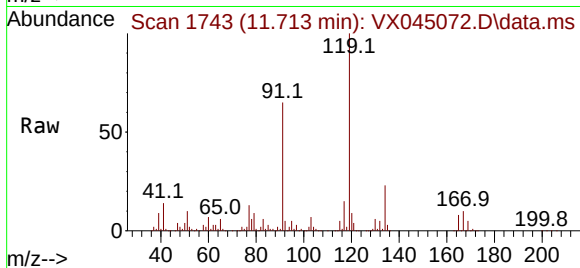
Tgt Ion:119 Resp: 454859

Ion Ratio Lower Upper

119 100

91 61.7 30.7 92.1

134 22.8 11.7 35.0



#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

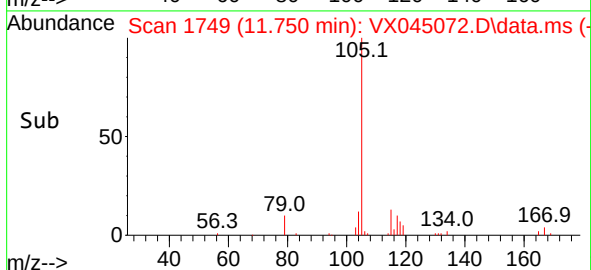
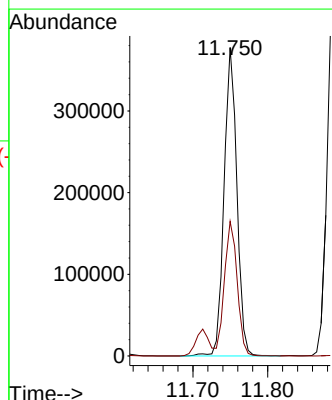
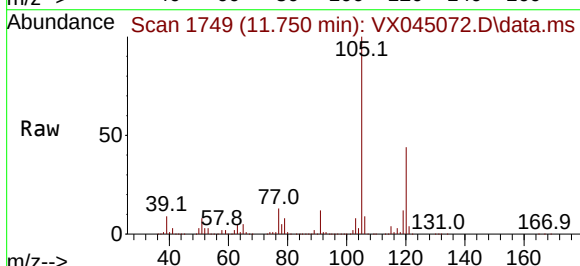
Acq: 28 Feb 2025 03:23

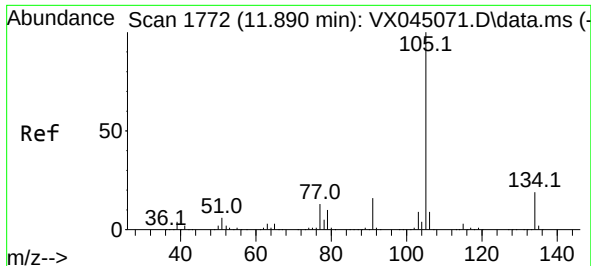
Tgt Ion:105 Resp: 450108

Ion Ratio Lower Upper

105 100

120 43.4 22.1 66.1

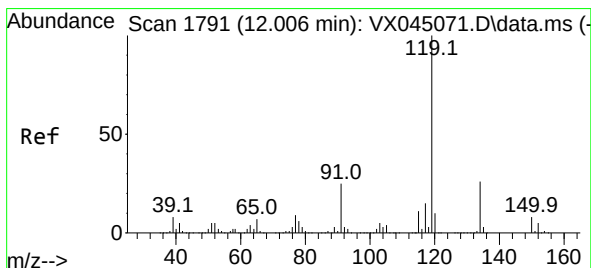
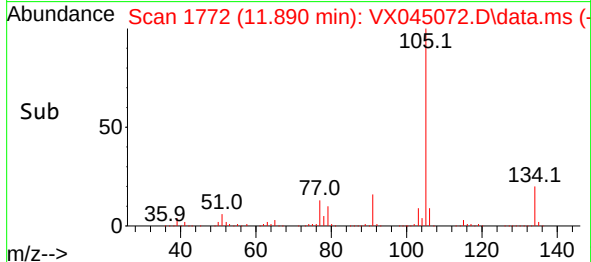
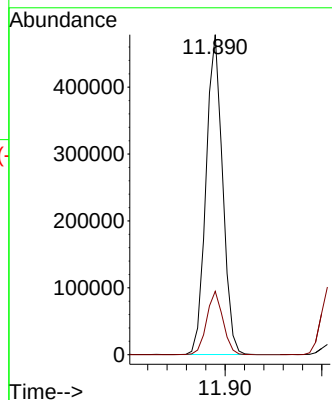
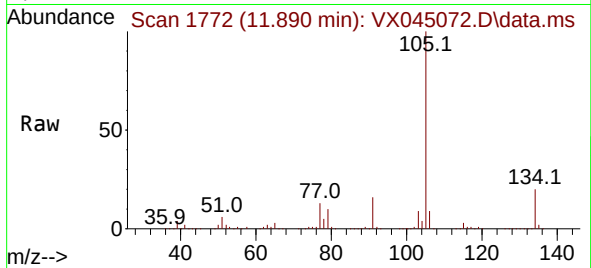




#85
sec-Butylbenzene
Concen: 100.517 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

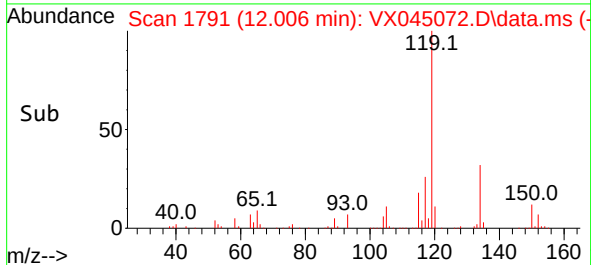
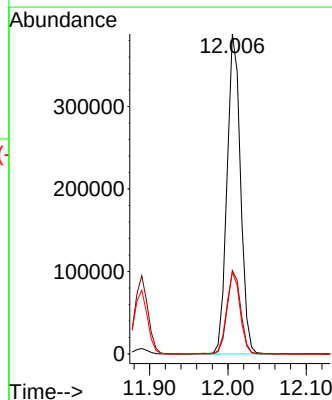
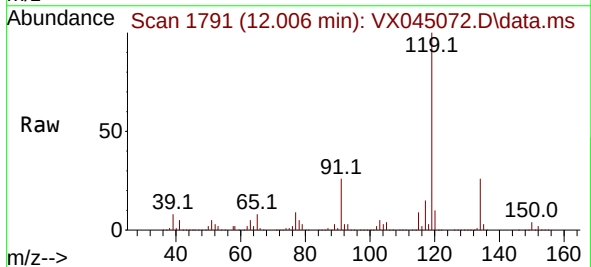
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

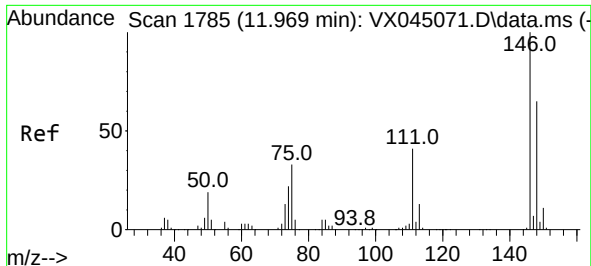
Tgt Ion:105 Resp: 570006
Ion Ratio Lower Upper
105 100
134 19.6 9.8 29.4



#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

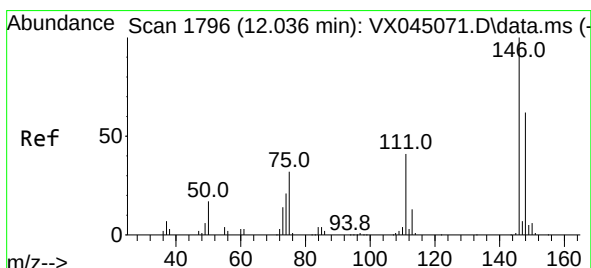
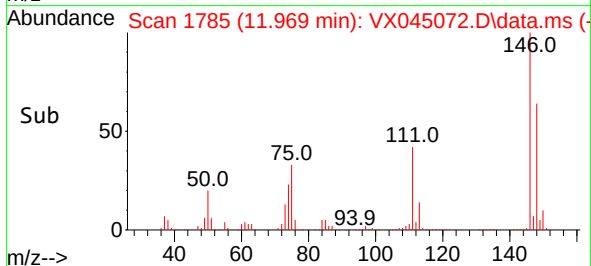
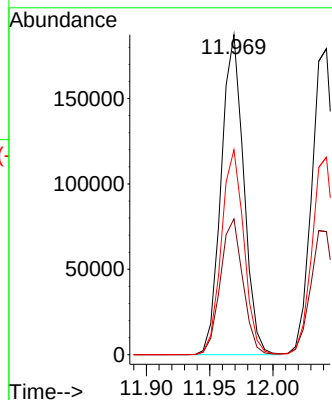
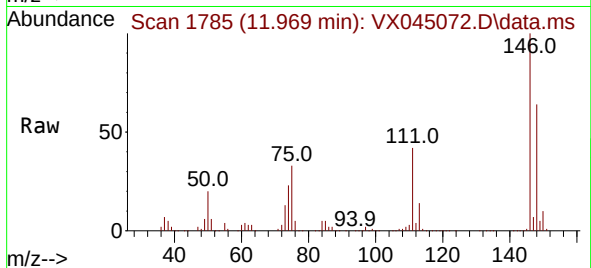
Tgt Ion:146 Resp: 231440

Ion Ratio Lower Upper

146 100

111 42.6 21.1 63.4

148 64.1 31.9 95.7



#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

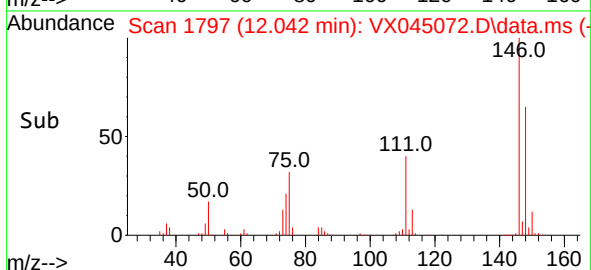
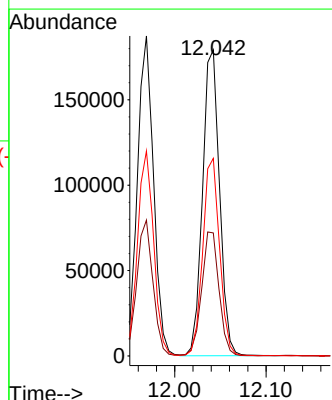
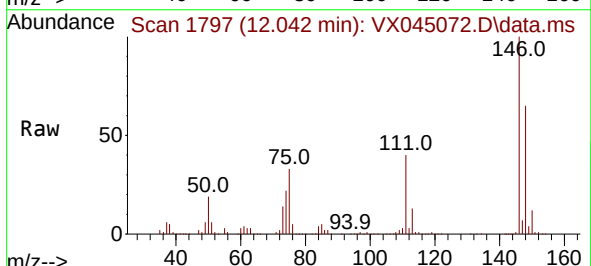
Tgt Ion:146 Resp: 230663

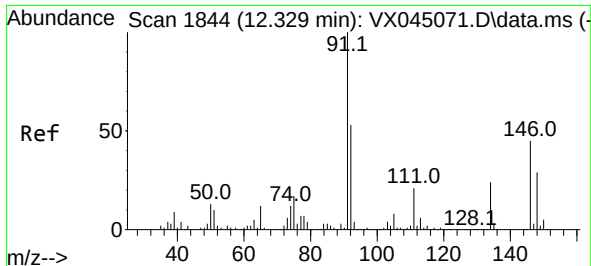
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.000 min

Lab File: VX045072.D

Acq: 28 Feb 2025 03:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

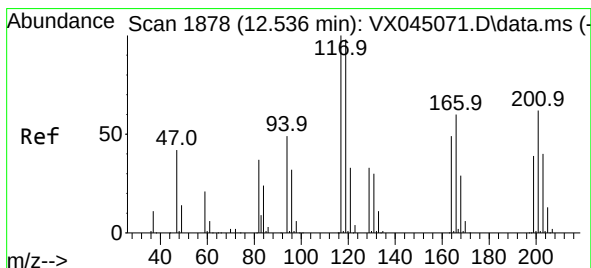
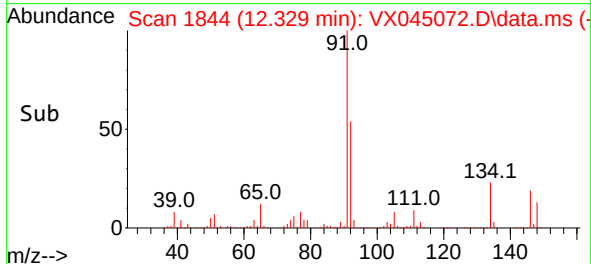
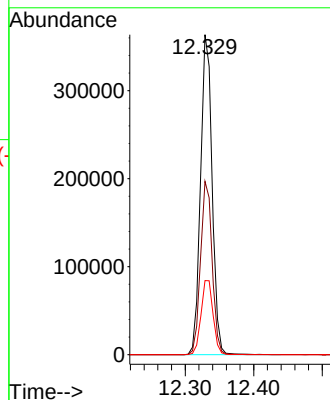
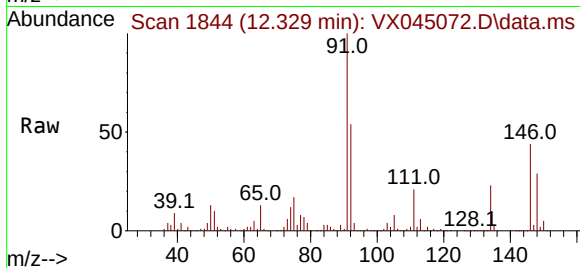
Tgt Ion: 91 Resp: 428209

Ion Ratio Lower Upper

91 100

92 54.4 26.7 80.0

134 24.2 12.2 36.6



#90

Hexachloroethane

Concen: 102.980 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX045072.D

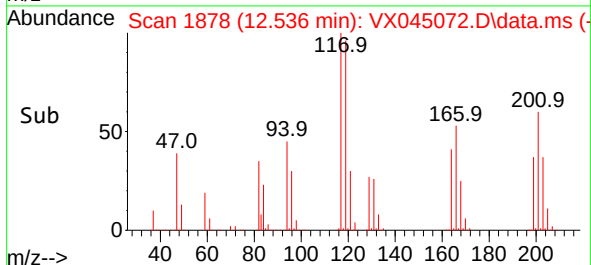
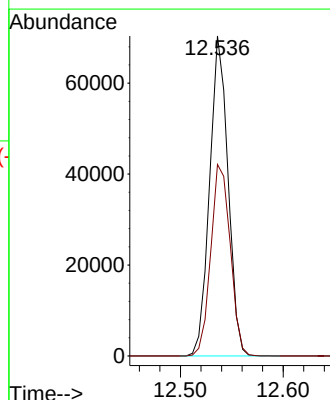
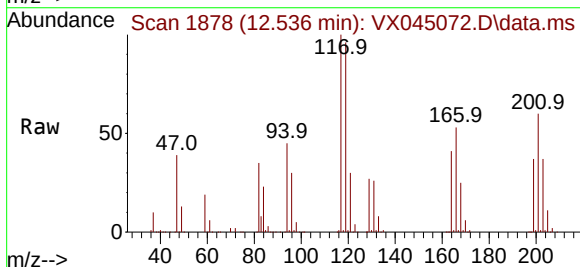
Acq: 28 Feb 2025 03:23

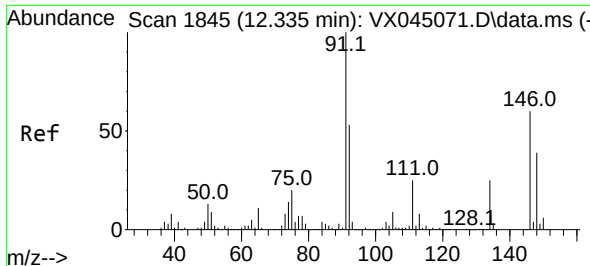
Tgt Ion: 117 Resp: 87448

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

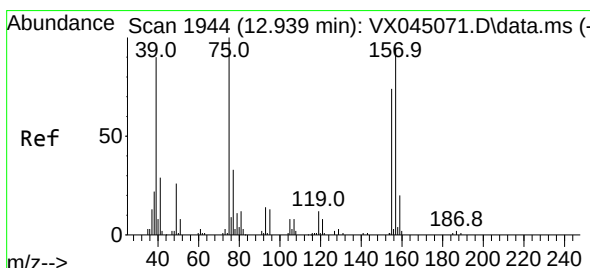
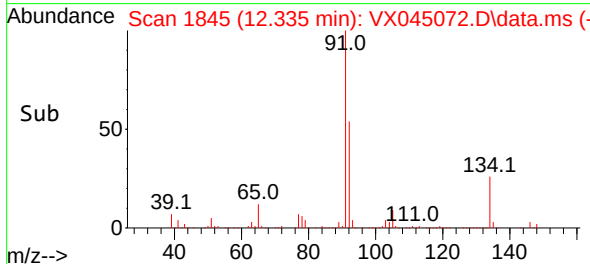
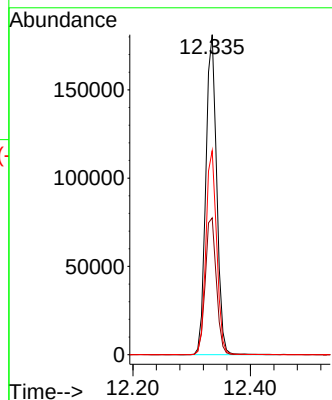
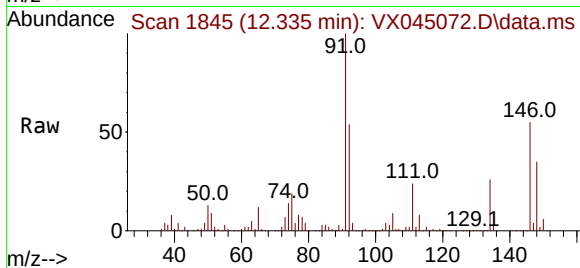
Tgt Ion:146 Resp: 233125

Ion Ratio Lower Upper

146 100

111 43.7 21.6 65.0

148 63.2 31.9 95.9



#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

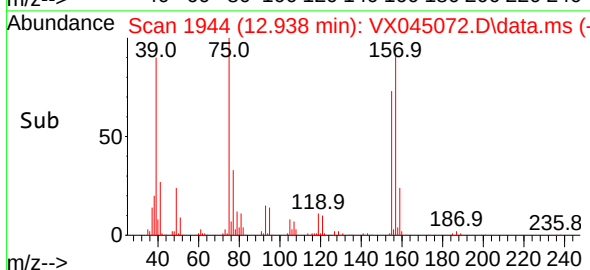
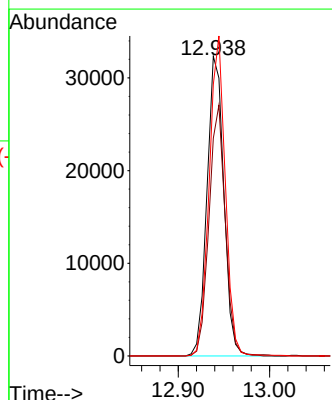
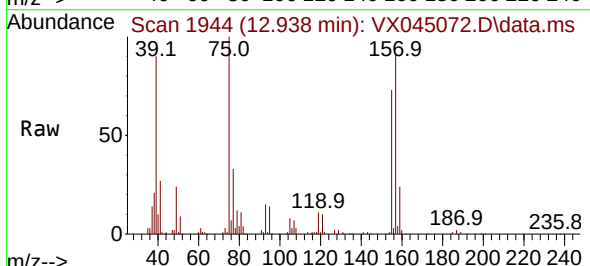
Tgt Ion: 75 Resp: 41402

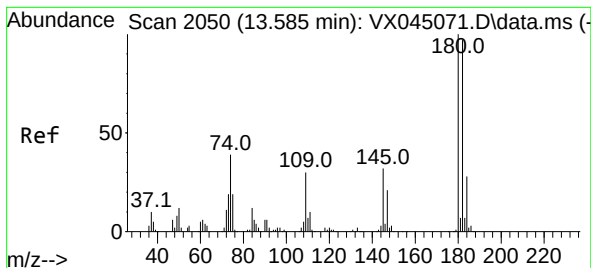
Ion Ratio Lower Upper

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 :

VSTDICC100

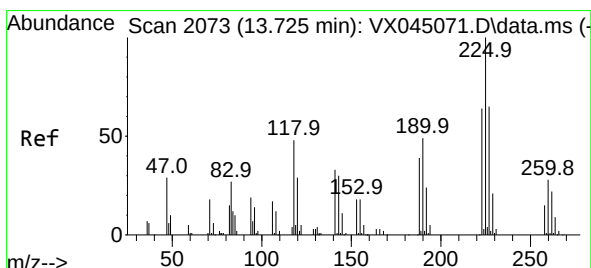
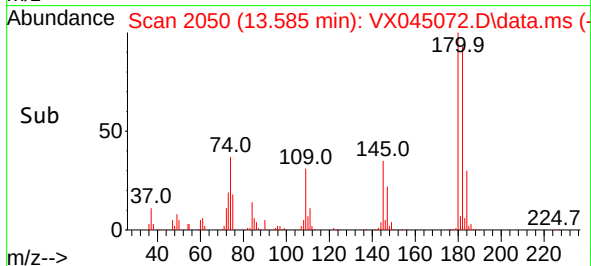
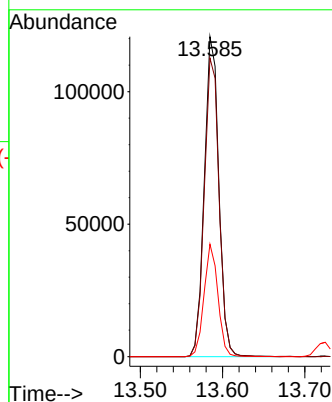
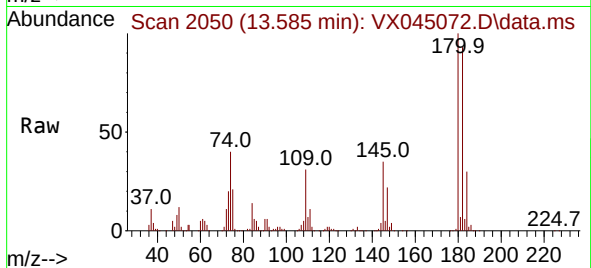
Tgt Ion:180 Resp: 148368

Ion Ratio Lower Upper

180 100

182 95.1 47.3 141.9

145 33.6 16.3 48.9



#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

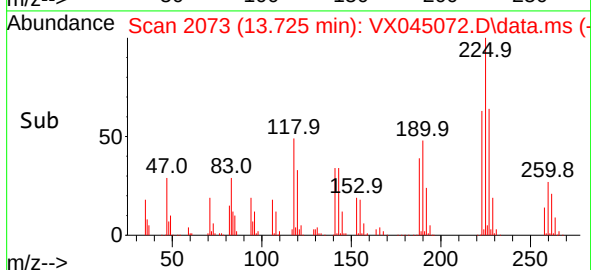
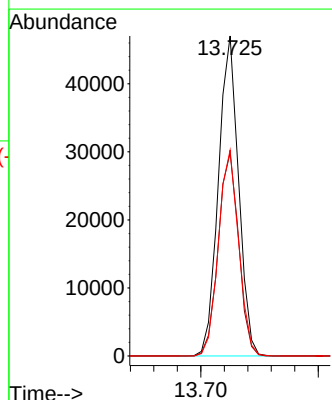
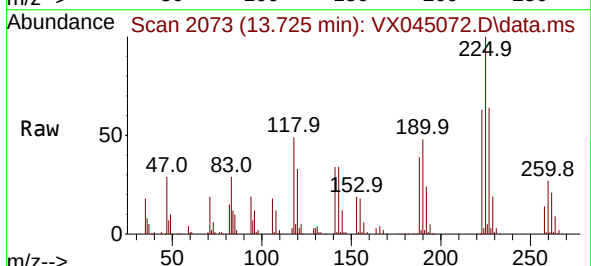
Tgt Ion:225 Resp: 56065

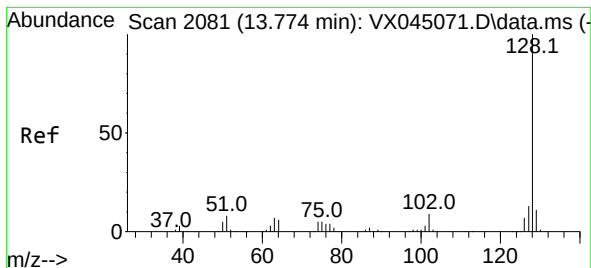
Ion Ratio Lower Upper

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 :

VSTDIC100

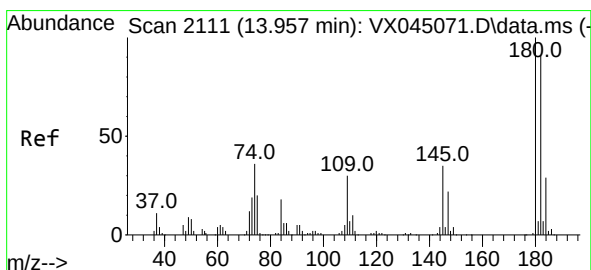
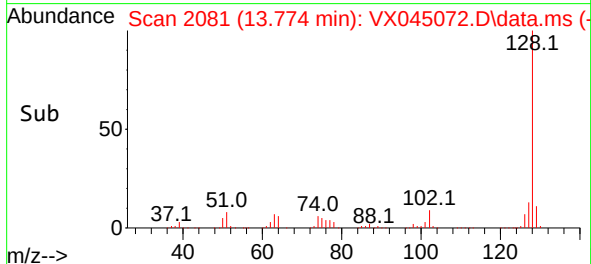
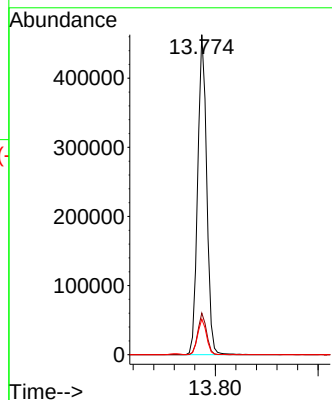
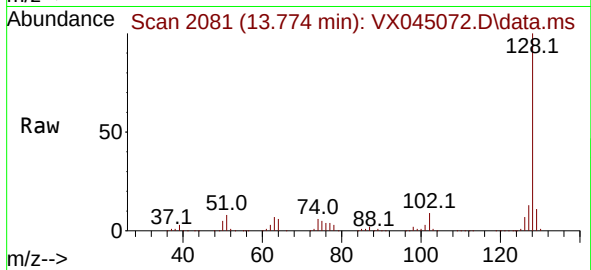
Tgt Ion:128 Resp: 565250

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 10.9 8.7 13.1



#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

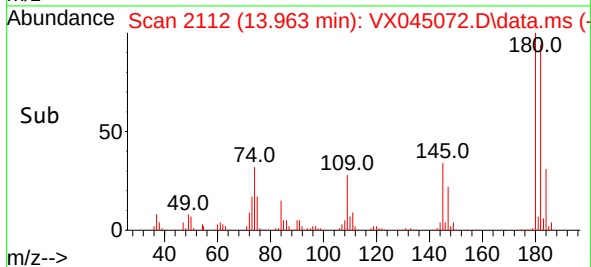
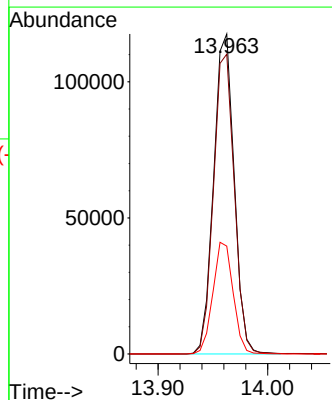
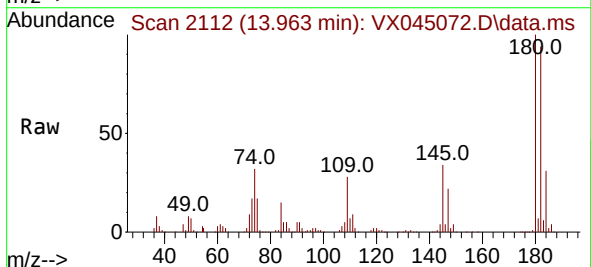
Tgt Ion:180 Resp: 152970

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\X022825\
 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

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 : VSTDIC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

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)
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	303633	201.103	ug/l	86
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

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

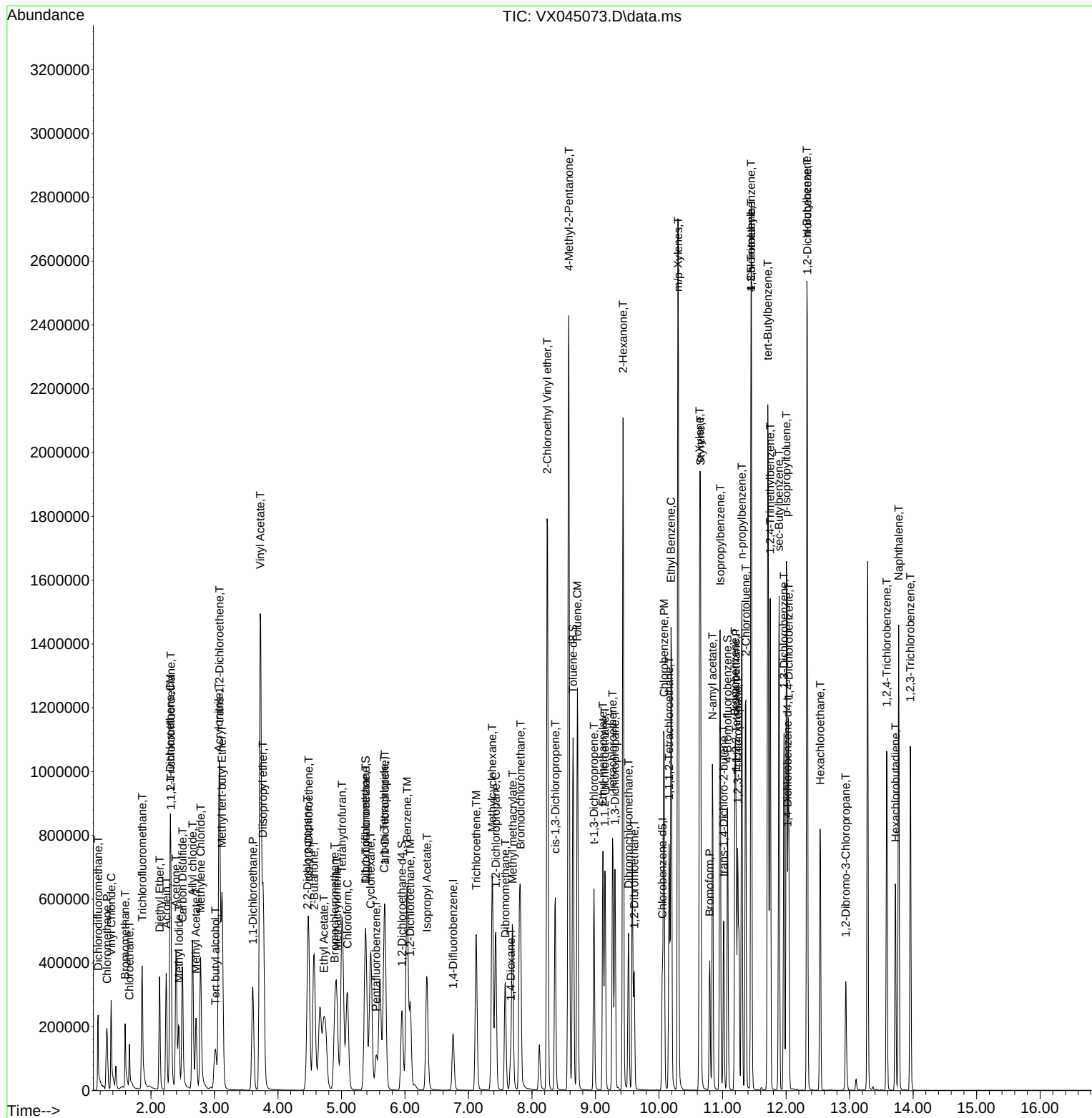
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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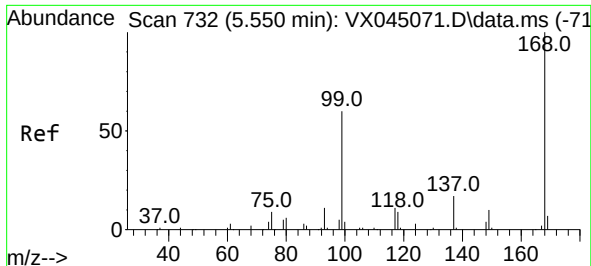
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

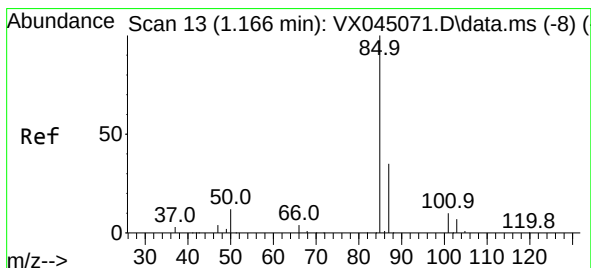
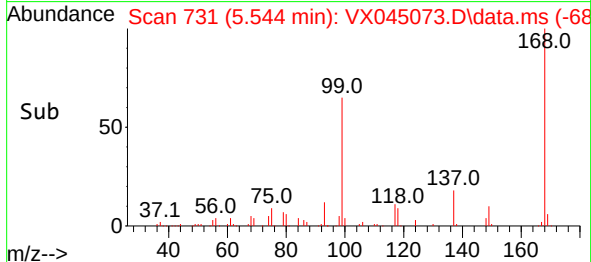
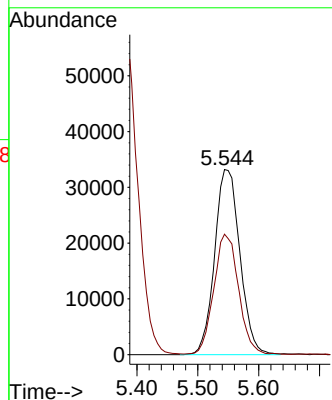
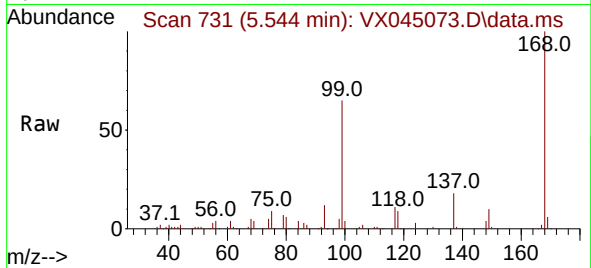




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

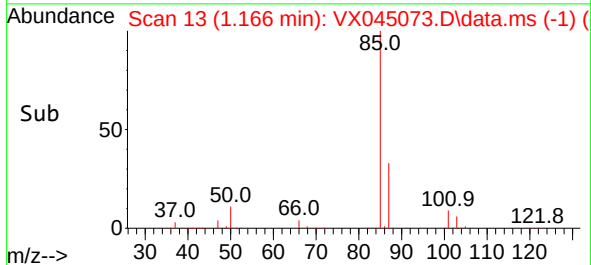
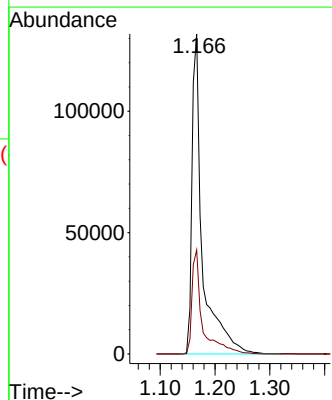
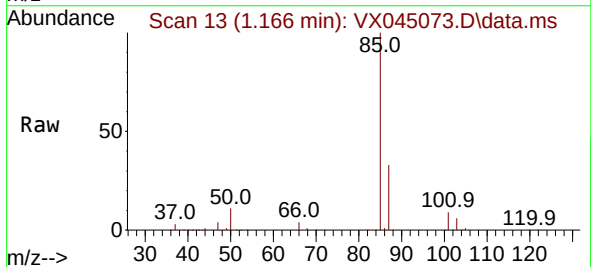
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

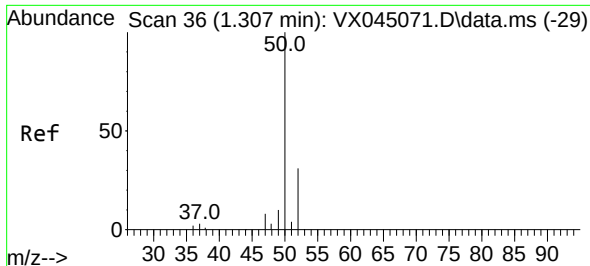
Tgt Ion:168 Resp: 95754
Ion Ratio Lower Upper
168 100
99 64.8 48.2 72.4



#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

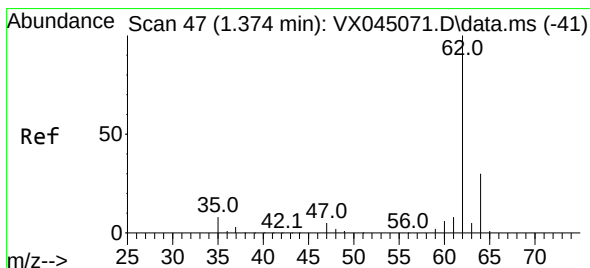
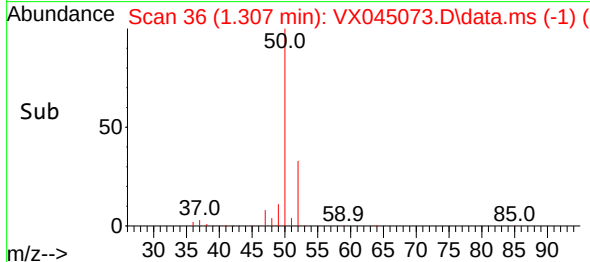
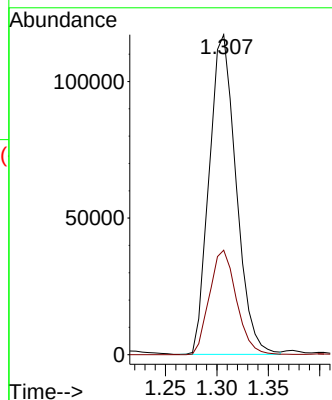
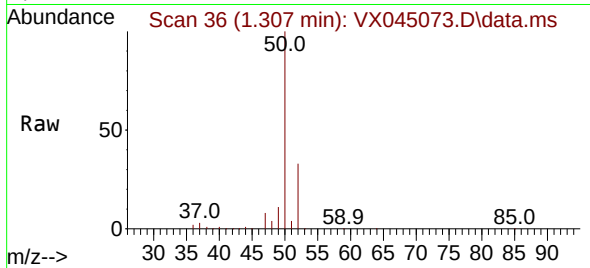




#3
Chloromethane
Concen: 133.072 ug/l
RT: 1.307 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

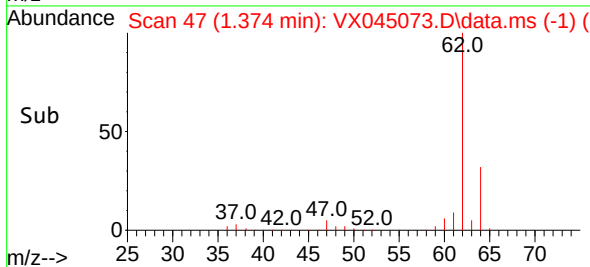
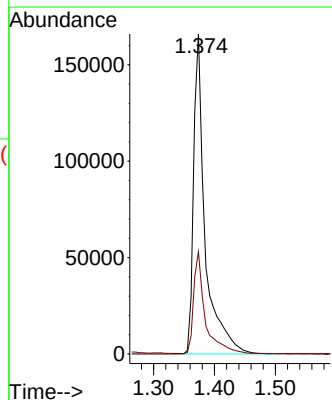
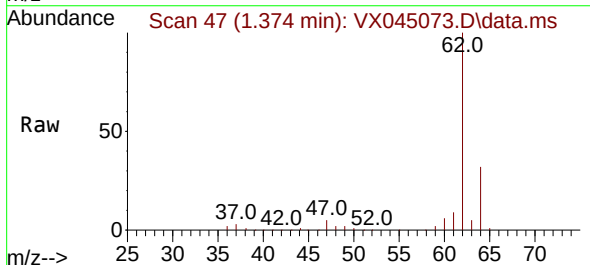
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

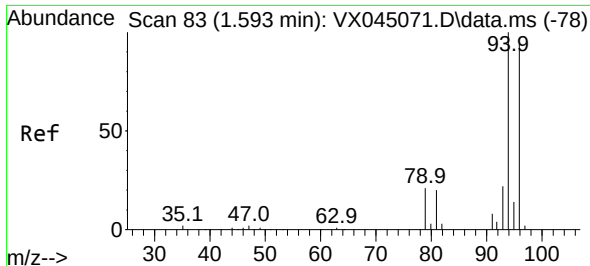
Tgt Ion: 50 Resp: 213704
Ion Ratio Lower Upper
50 100
52 32.7 25.0 37.4



#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

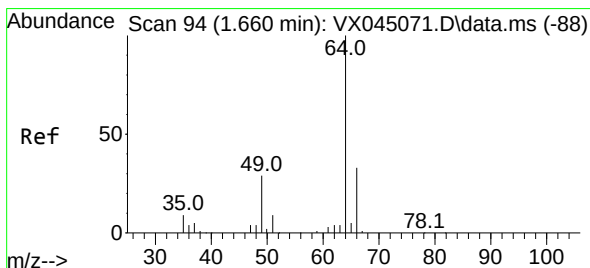
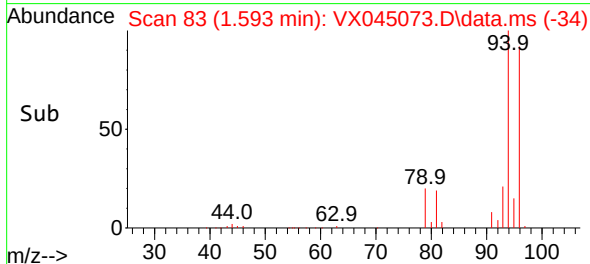
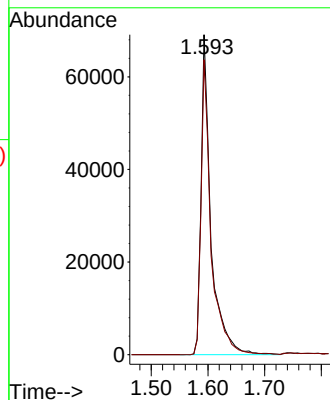
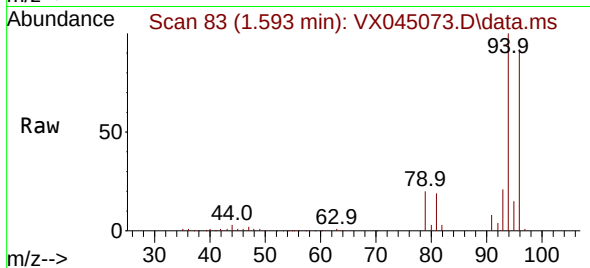




#5
Bromomethane
Concen: 170.379 ug/l
RT: 1.593 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

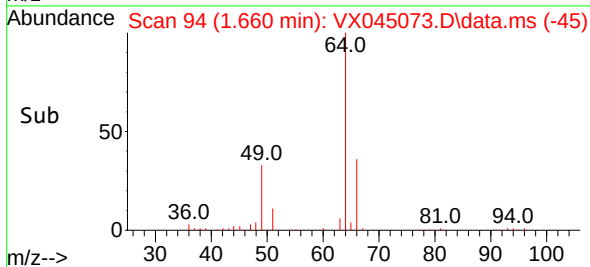
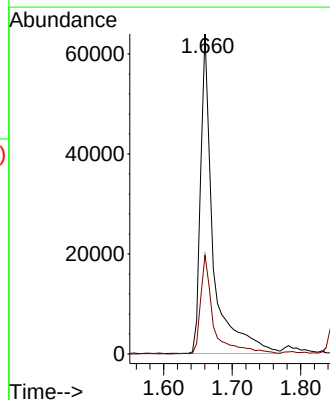
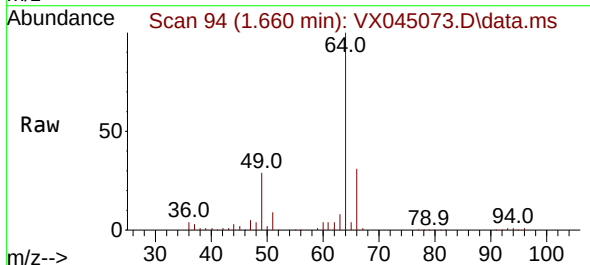
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

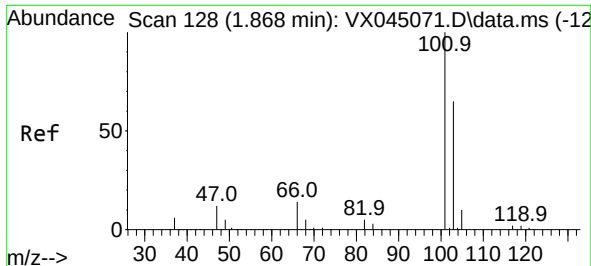
Tgt Ion: 94 Resp: 83547
Ion Ratio Lower Upper
94 100
96 92.2 75.0 112.4



#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

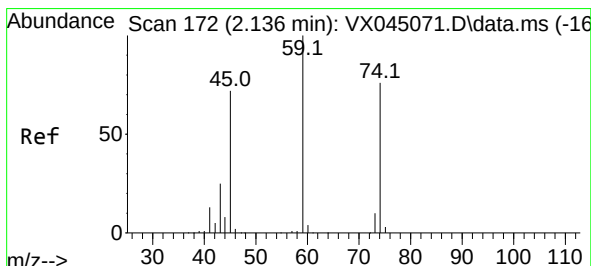
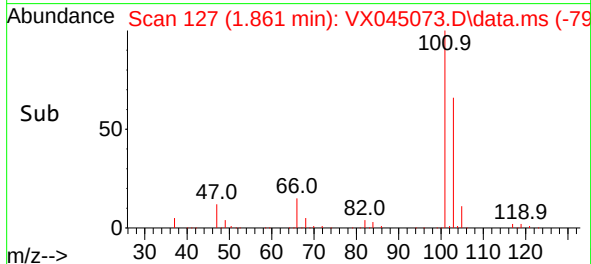
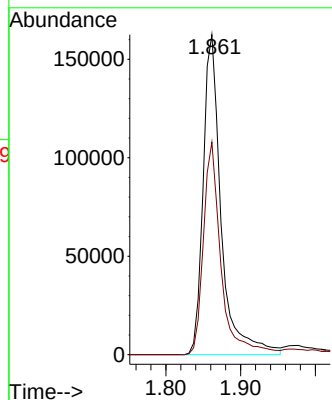
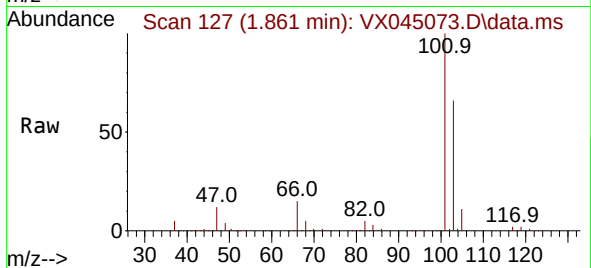




#7
Trichlorofluoromethane
Concen: 135.494 ug/l
RT: 1.861 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

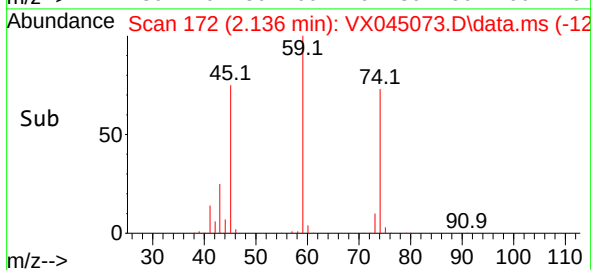
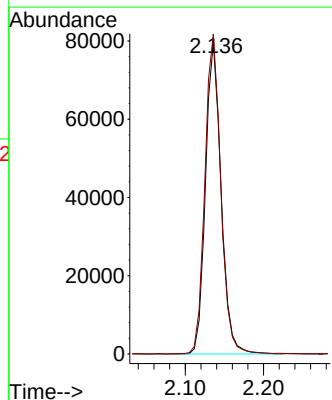
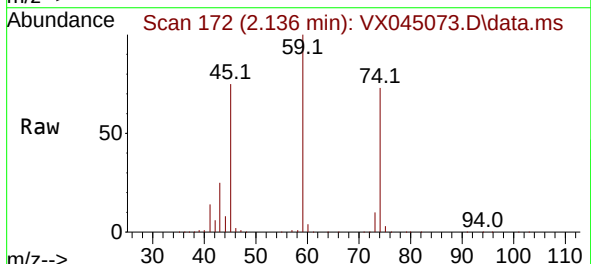
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

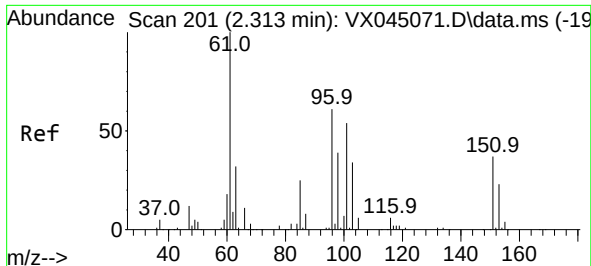
Tgt Ion:101 Resp: 272235
Ion Ratio Lower Upper
101 100
103 66.4 52.1 78.1



#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

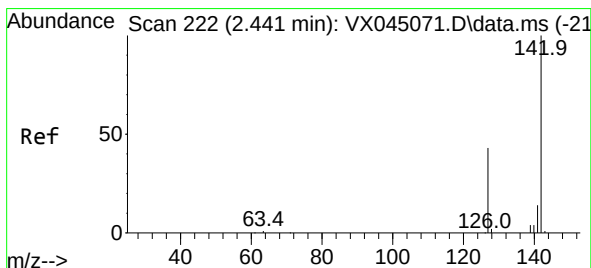
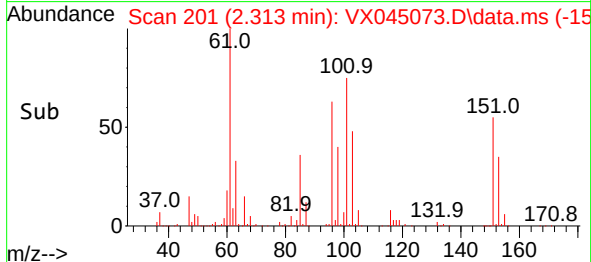
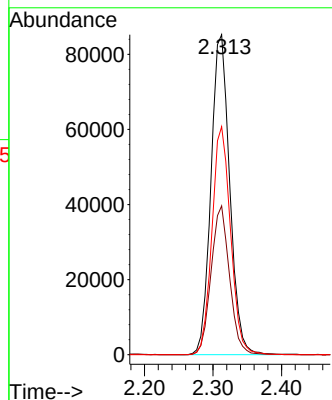
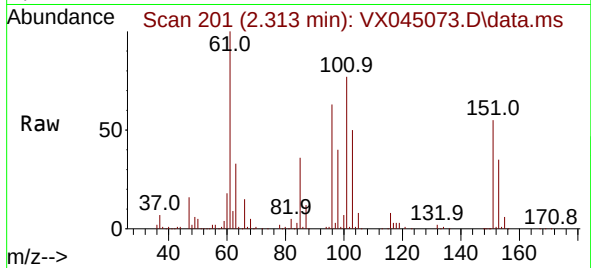




#9
1,1,2-Trichlorotrifluoroethane
Concen: 134.877 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

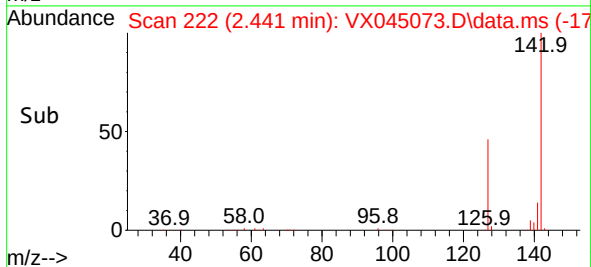
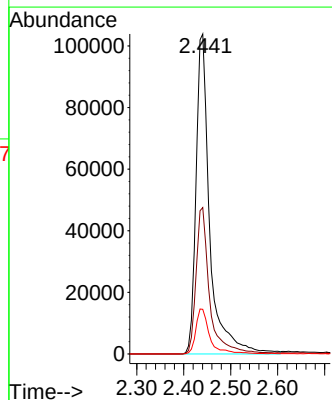
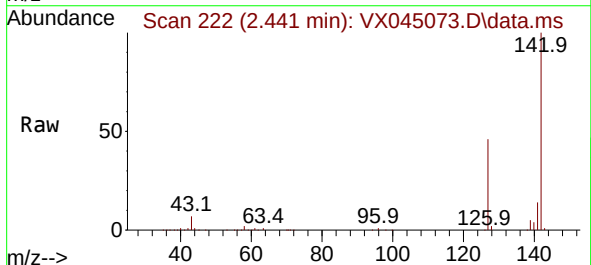
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

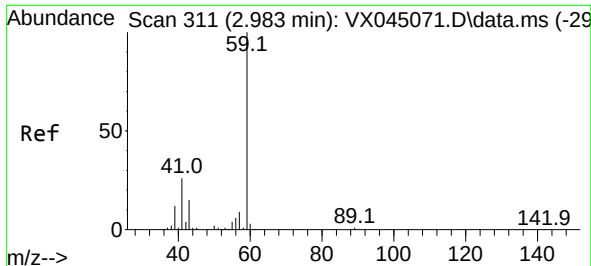
Tgt Ion:101 Resp: 161825
Ion Ratio Lower Upper
101 100
85 45.8 36.2 54.4
151 70.8 56.4 84.6



#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

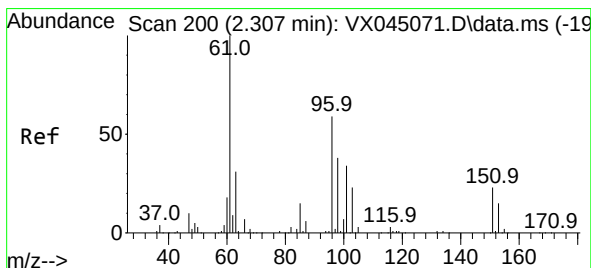
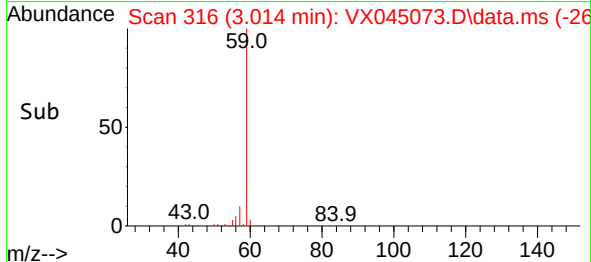
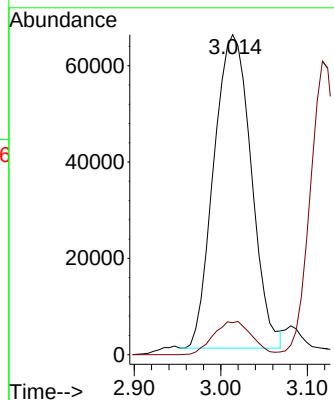
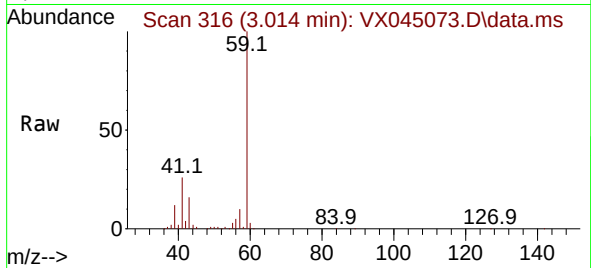




#11
Tert butyl alcohol
Concen: 754.176 ug/l
RT: 3.014 min Scan# 311
Delta R.T. 0.030 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

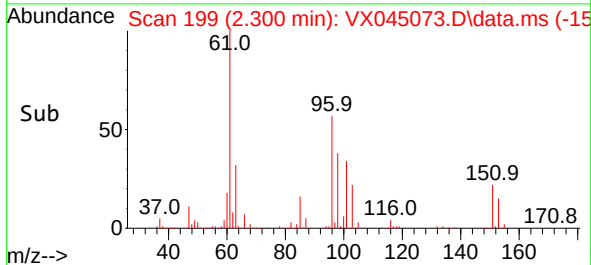
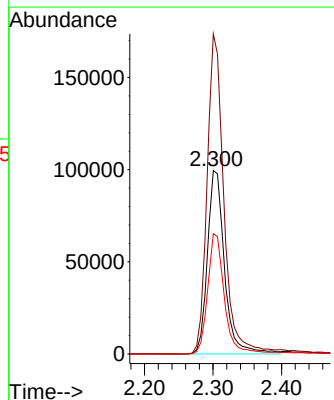
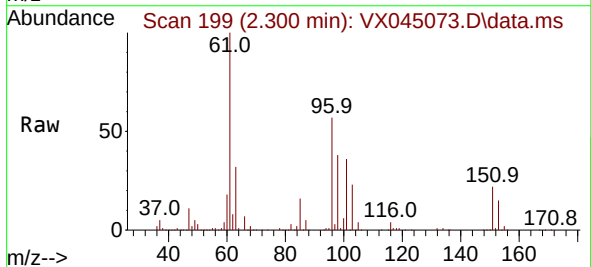
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

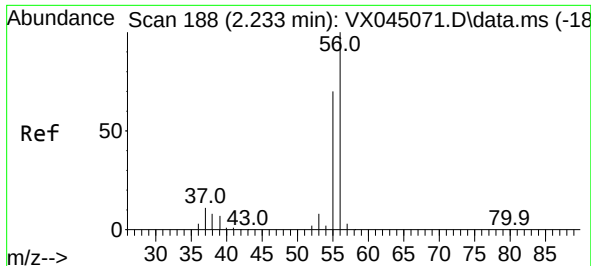
Tgt Ion: 59 Resp: 195415
Ion Ratio Lower Upper
59 100
57 10.9 7.8 11.8



#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

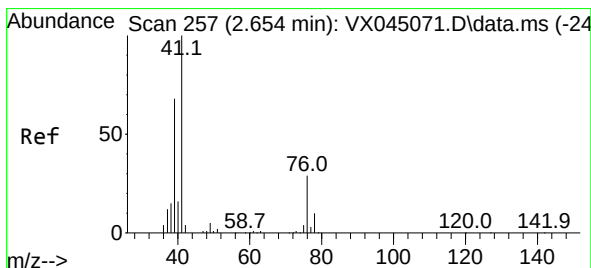
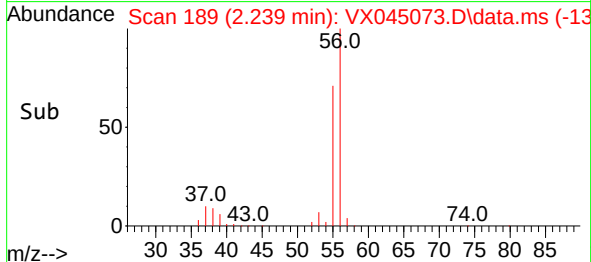
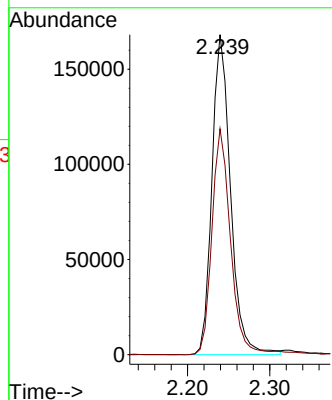
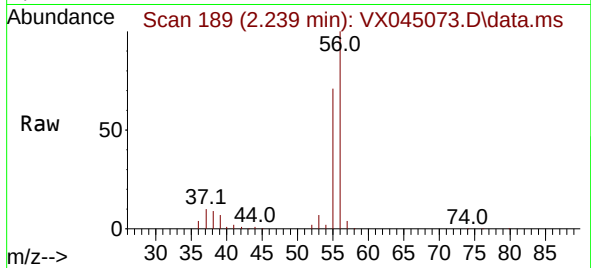




#13
Acrolein
Concen: 940.846 ug/l
RT: 2.239 min Scan# 188
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

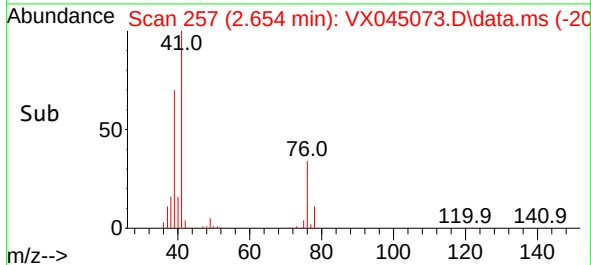
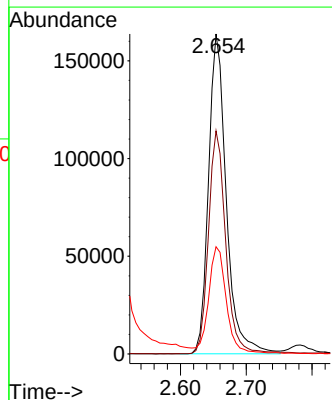
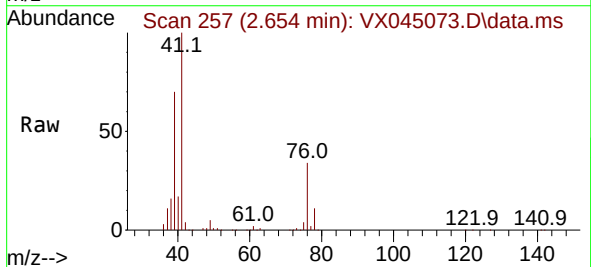
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

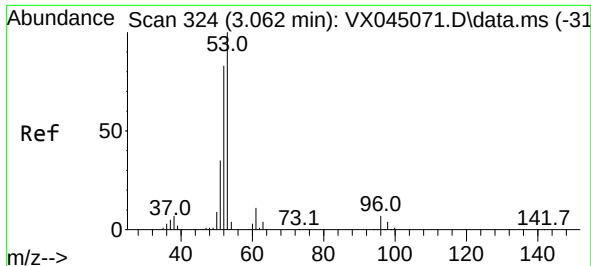
Tgt Ion: 56 Resp: 263999
Ion Ratio Lower Upper
56 100
55 71.6 56.2 84.4



#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

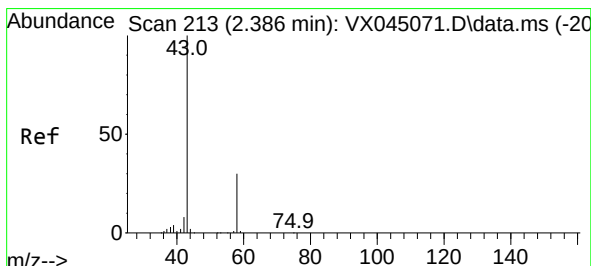
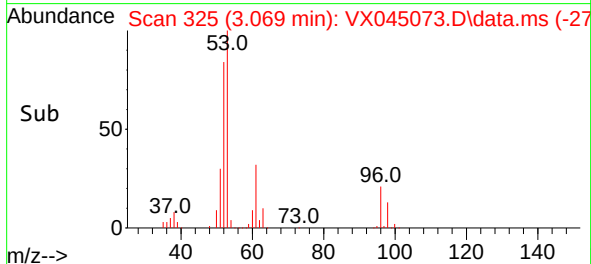
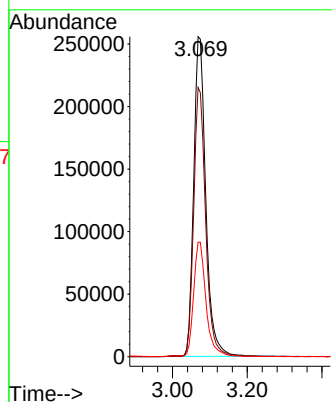
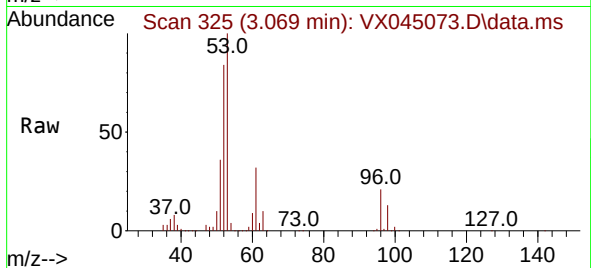




#15
Acrylonitrile
Concen: 813.990 ug/l
RT: 3.069 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

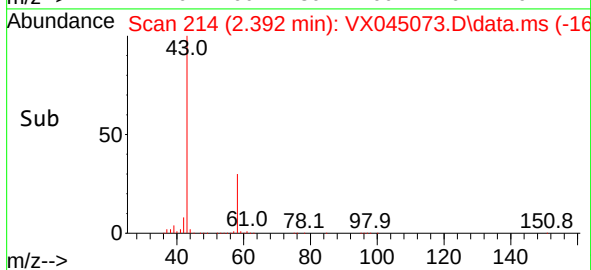
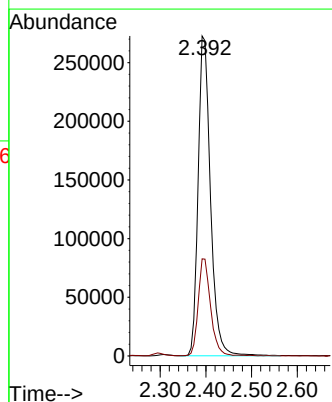
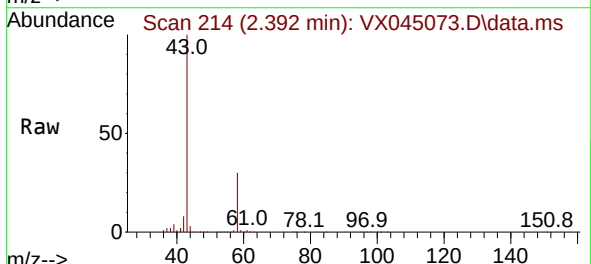
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

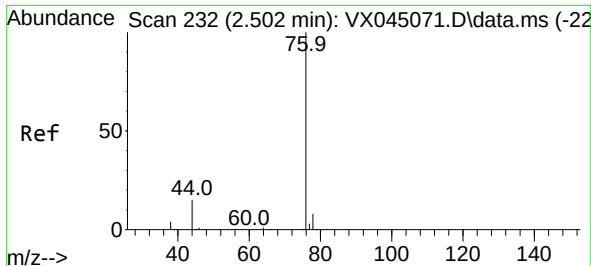
Tgt Ion: 53 Resp: 573208
Ion Ratio Lower Upper
53 100
52 83.3 66.2 99.2
51 37.0 29.0 43.4



#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

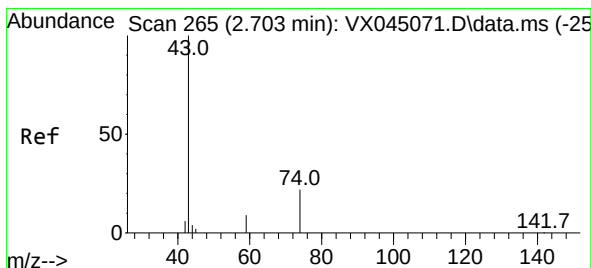
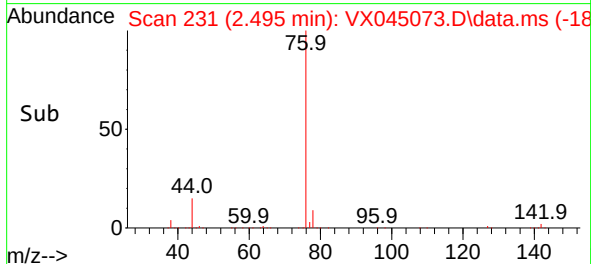
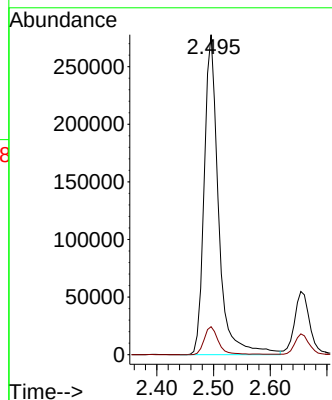
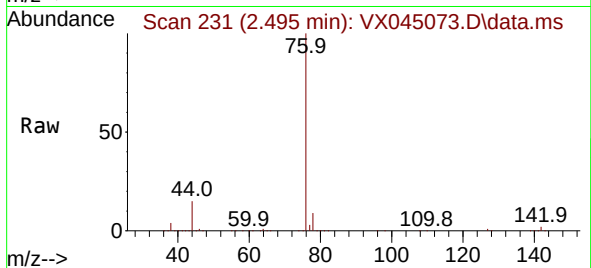




#17
Carbon Disulfide
Concen: 145.511 ug/l
RT: 2.495 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

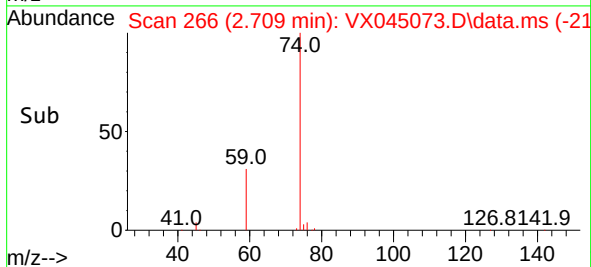
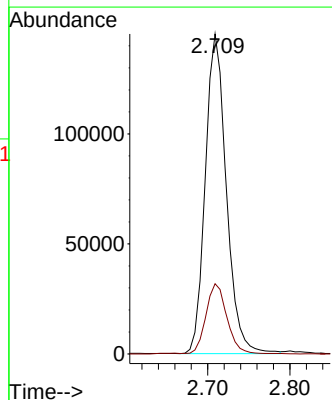
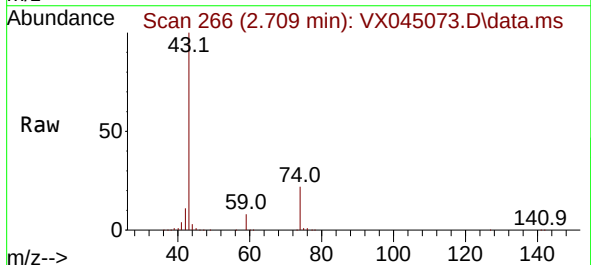
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

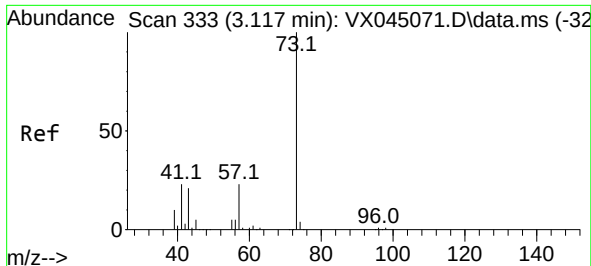
Tgt Ion: 76 Resp: 487720
Ion Ratio Lower Upper
76 100
78 8.8 6.6 9.8



#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

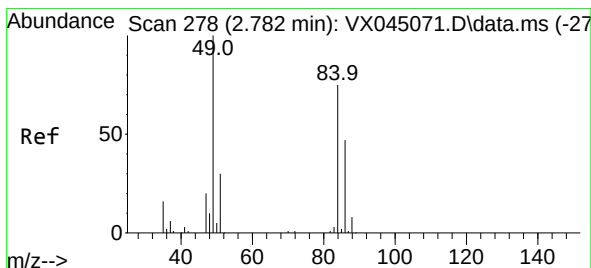
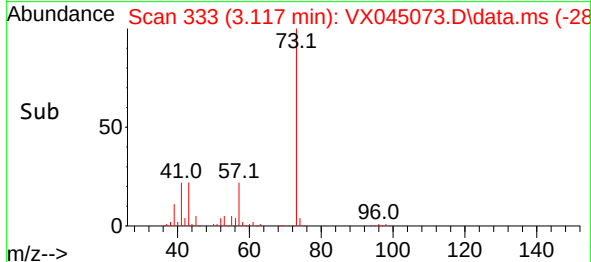
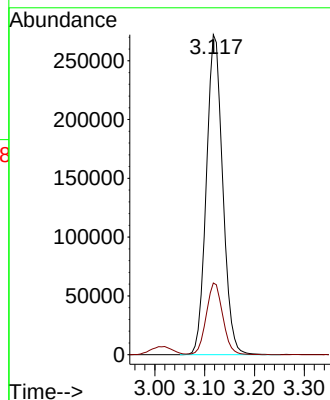
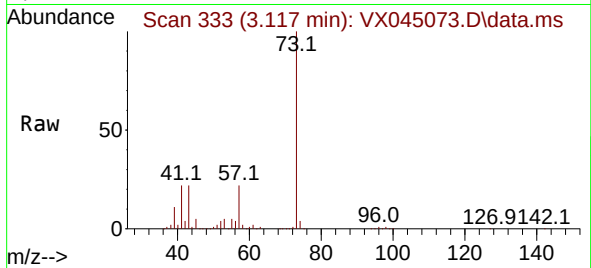




#19
Methyl tert-butyl Ether
Concen: 157.358 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

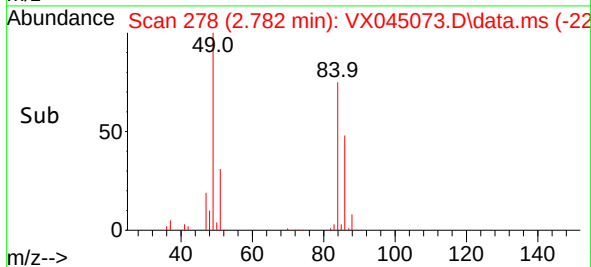
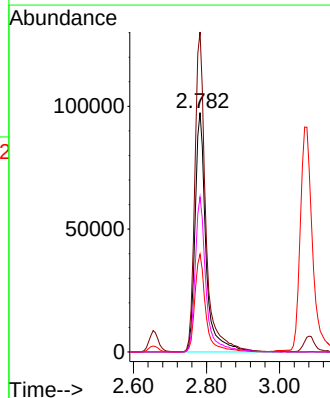
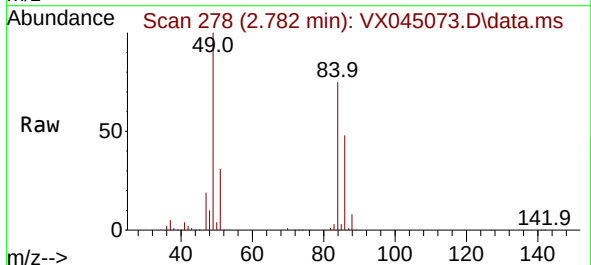
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

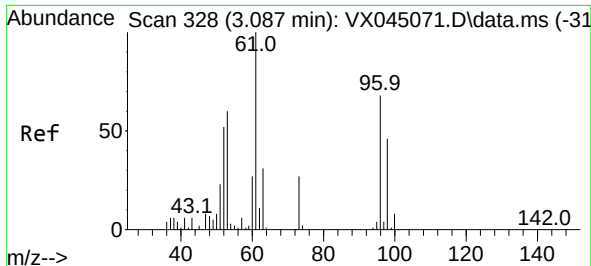
Tgt Ion: 73 Resp: 619778
Ion Ratio Lower Upper
73 100
57 22.4 18.5 27.7



#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

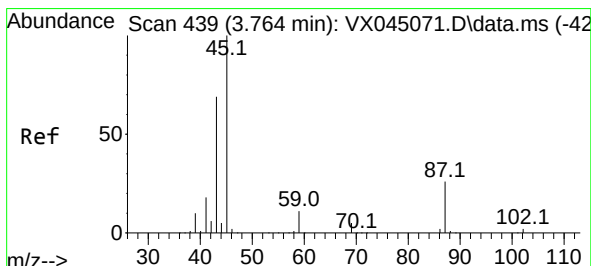
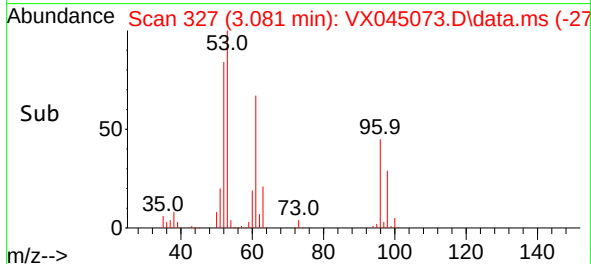
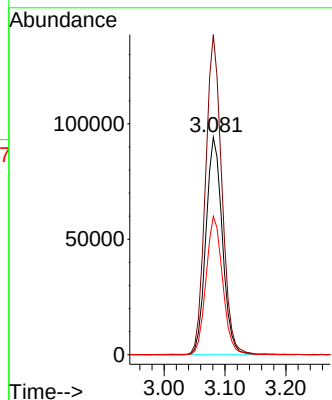
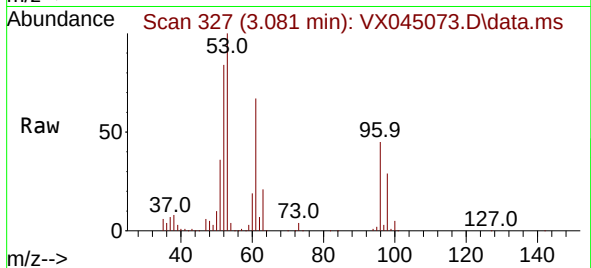




#21
trans-1,2-Dichloroethene
Concen: 146.027 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

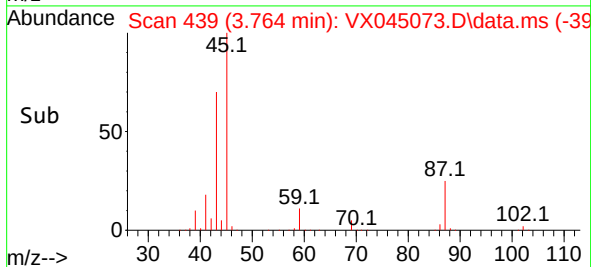
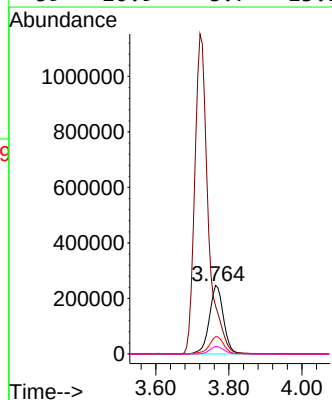
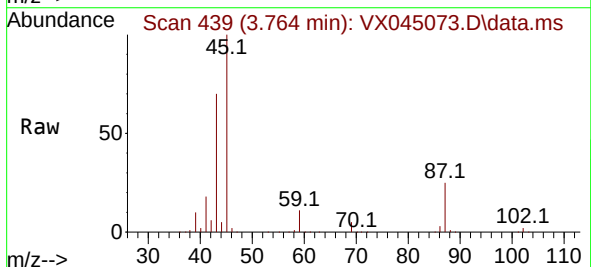
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

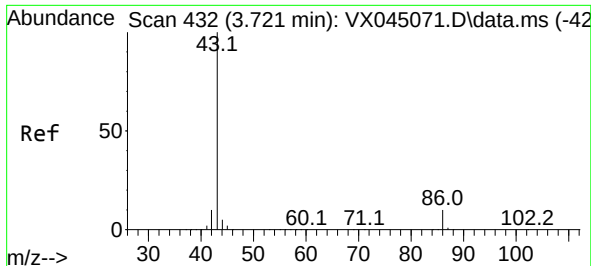
Tgt Ion: 96 Resp: 176924
Ion Ratio Lower Upper
96 100
61 147.0 117.0 175.4
98 63.6 53.4 80.2



#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

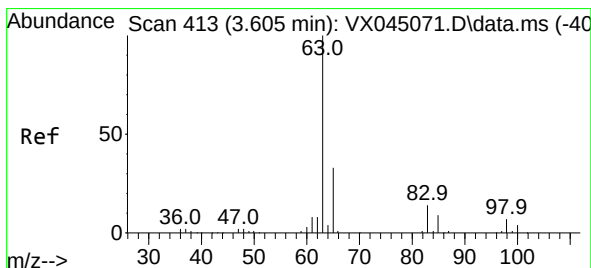
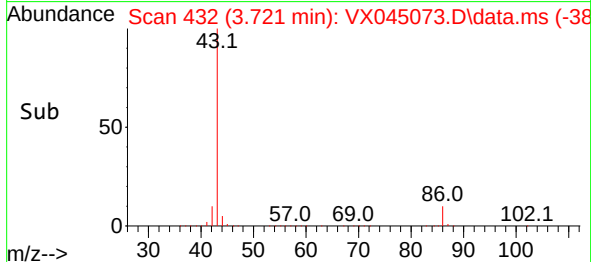
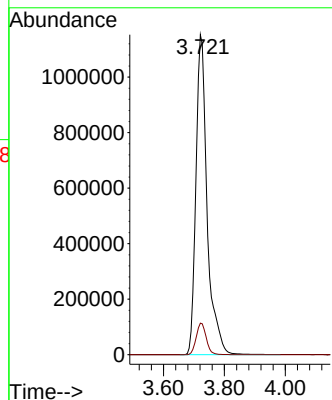
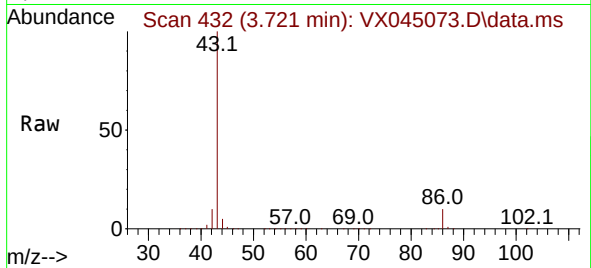




#23
 Vinyl Acetate
 Concen: 846.586 ug/l
 RT: 3.721 min Scan# 413
 Delta R.T. -0.000 min
 Lab File: VX045073.D
 Acq: 28 Feb 2025 03:47

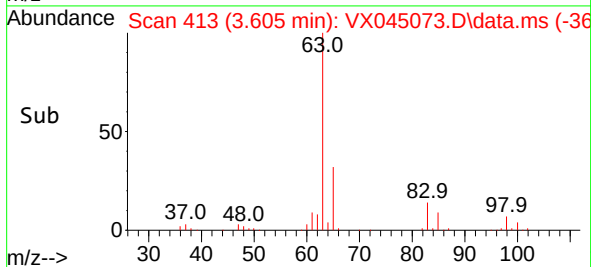
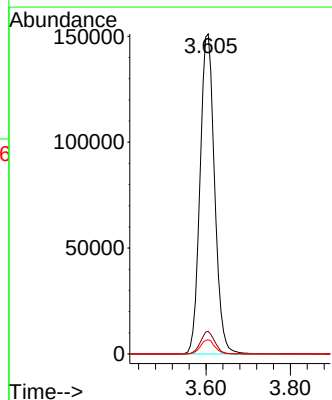
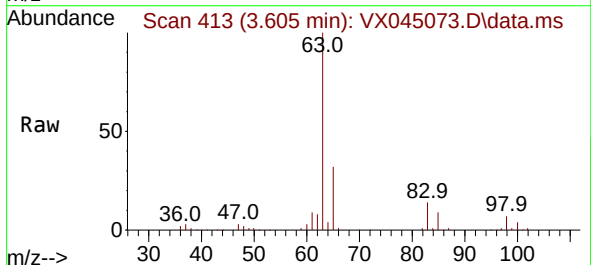
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

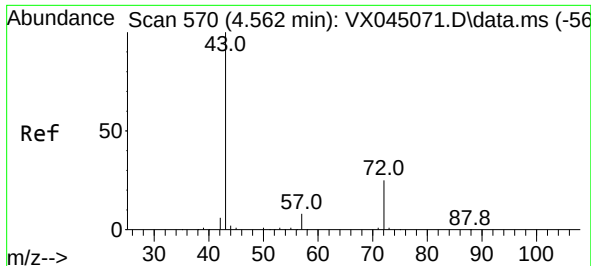
Tgt Ion: 43 Resp: 2943150
 Ion Ratio Lower Upper
 43 100
 86 9.8 8.1 12.1



#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

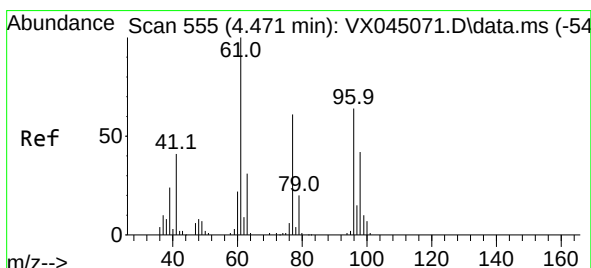
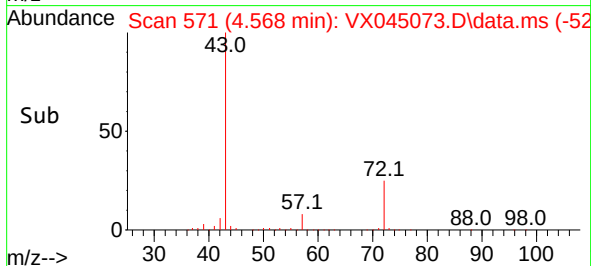
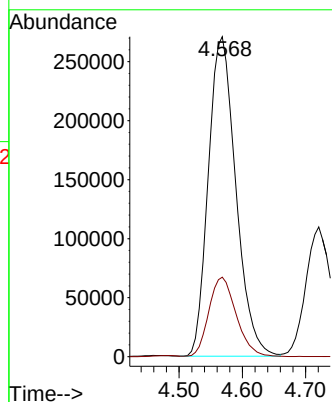
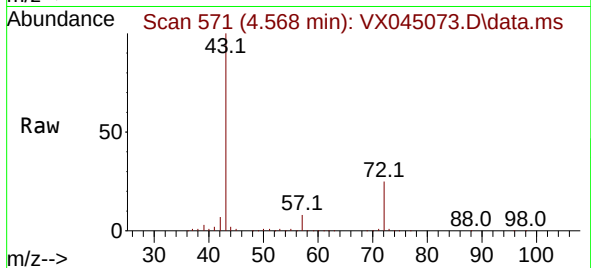




#25
2-Butanone
Concen: 872.239 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

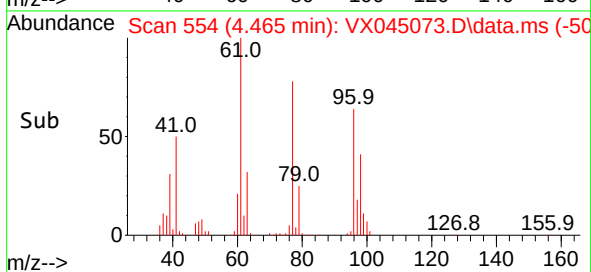
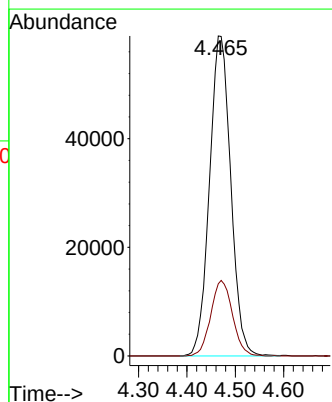
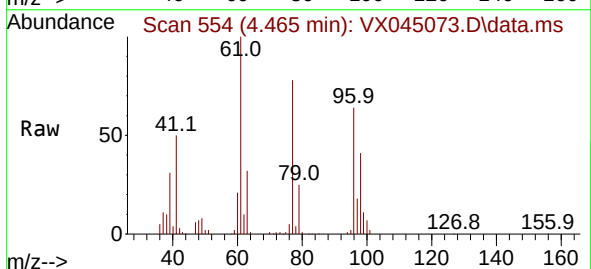
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

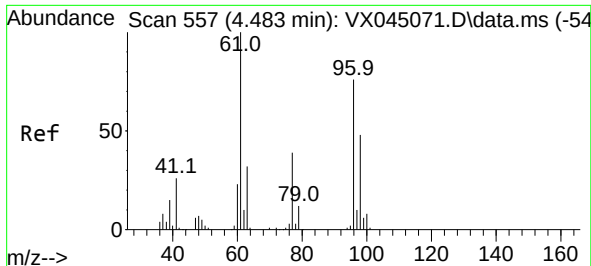
Tgt Ion: 43 Resp: 818497
Ion Ratio Lower Upper
43 100
72 24.7 20.0 30.0



#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

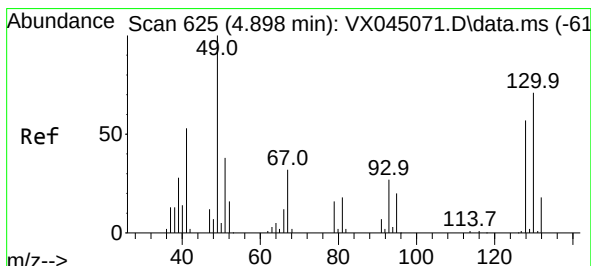
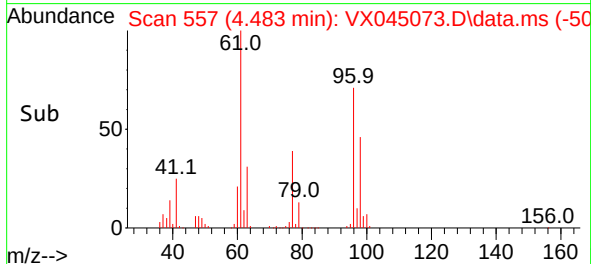
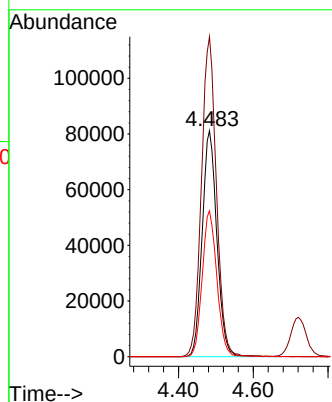
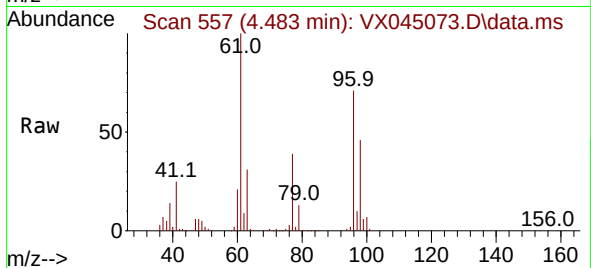




#27
cis-1,2-Dichloroethene
Concen: 151.205 ug/l
RT: 4.483 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

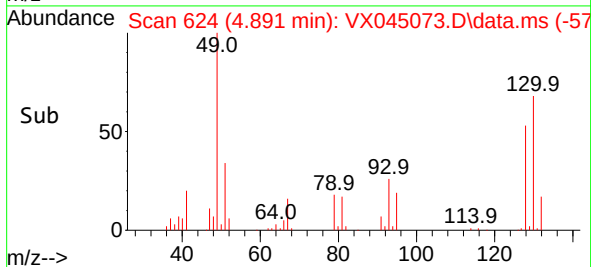
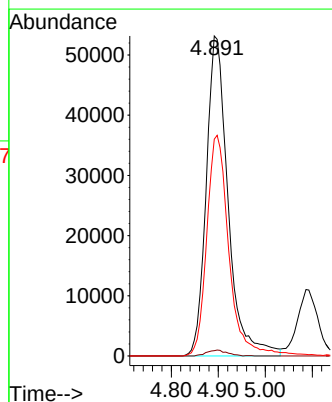
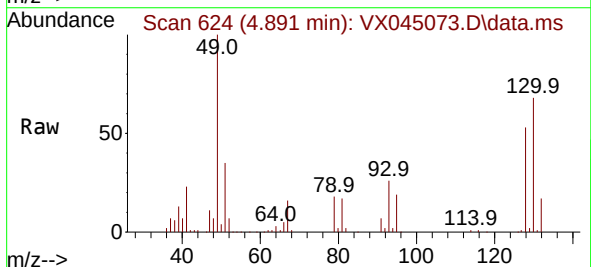
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

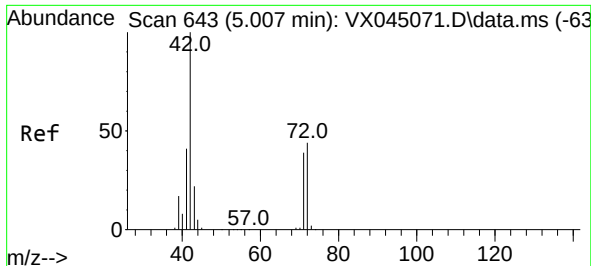
Tgt Ion: 96 Resp: 220826
Ion Ratio Lower Upper
96 100
61 144.2 0.0 283.2
98 64.3 0.0 128.0



#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

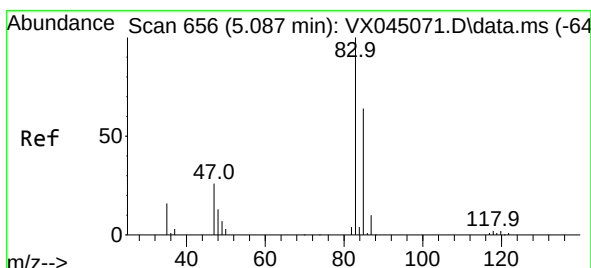
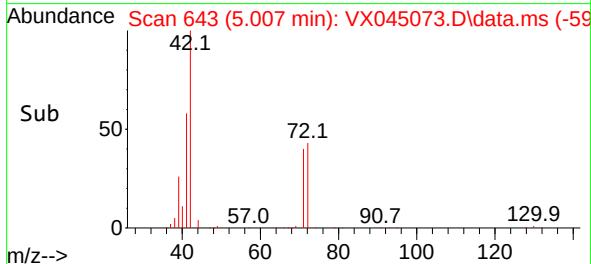
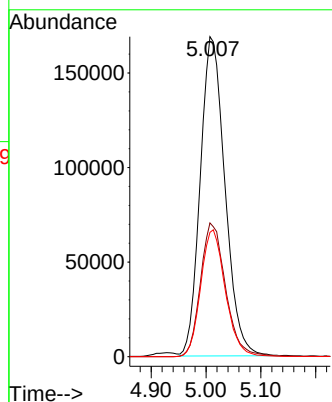
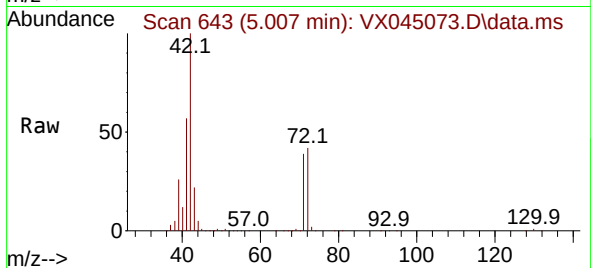
Tgt Ion: 42 Resp: 528574

Ion Ratio Lower Upper

42 100

72 42.8 34.1 51.1

71 39.7 31.4 47.0



#30

Chloroform

Concen: 152.067 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX045073.D

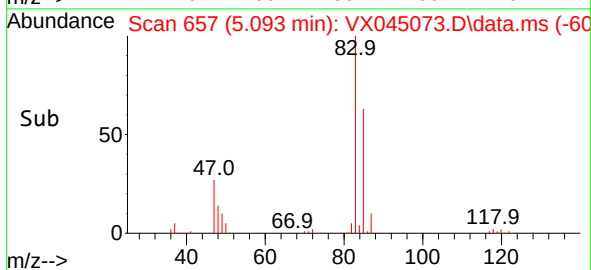
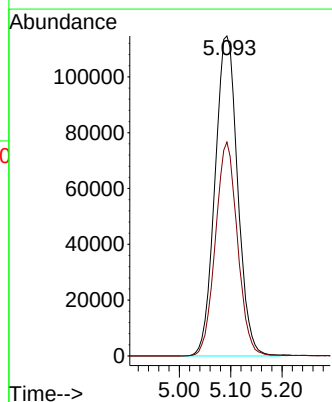
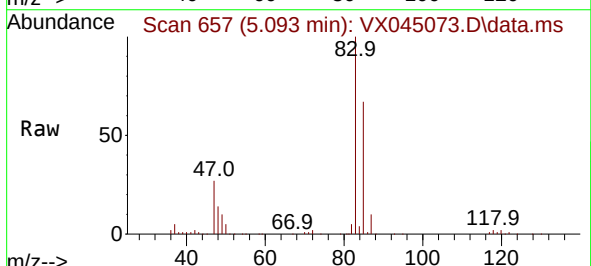
Acq: 28 Feb 2025 03:47

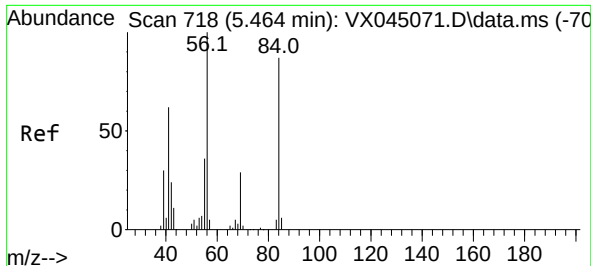
Tgt Ion: 83 Resp: 351934

Ion Ratio Lower Upper

83 100

85 66.9 51.4 77.2

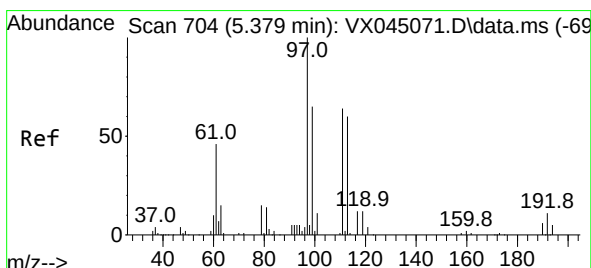
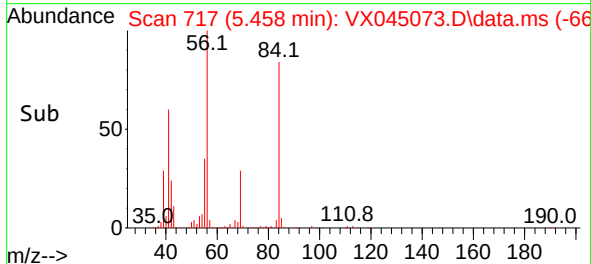
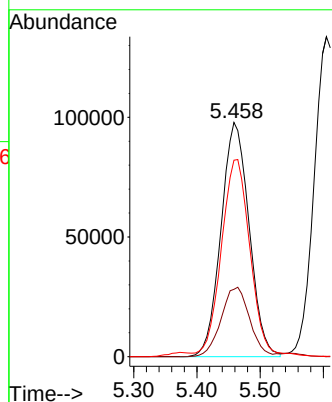
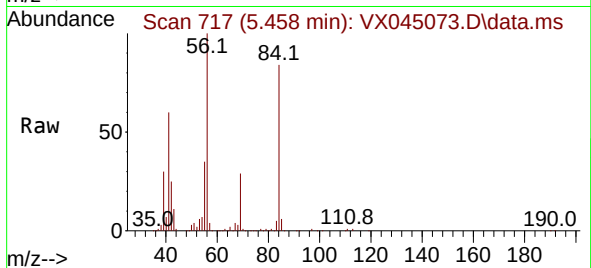




#31
Cyclohexane
Concen: 139.174 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

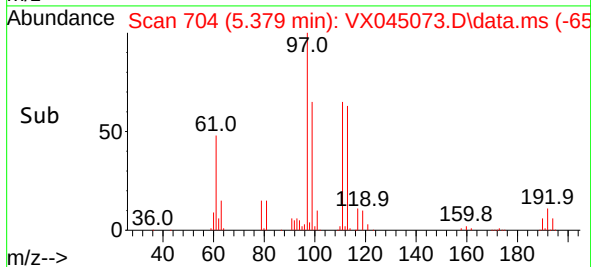
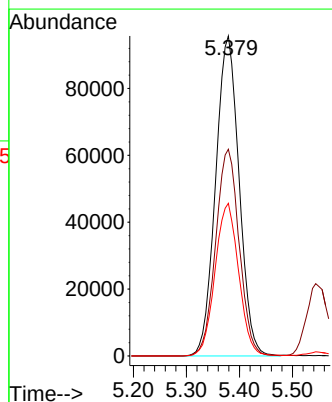
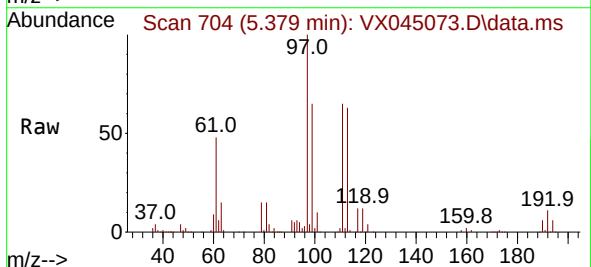
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

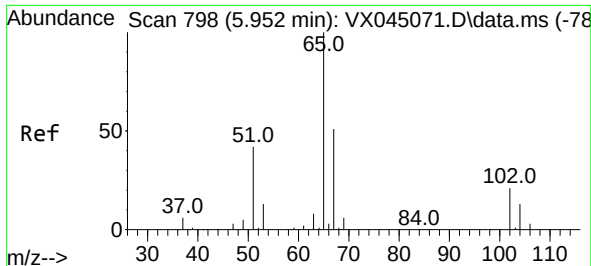
Tgt Ion: 56 Resp: 302215
Ion Ratio Lower Upper
56 100
69 28.8 23.4 35.2
84 82.2 69.4 104.2



#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 :

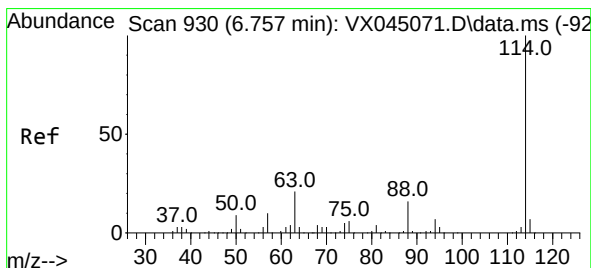
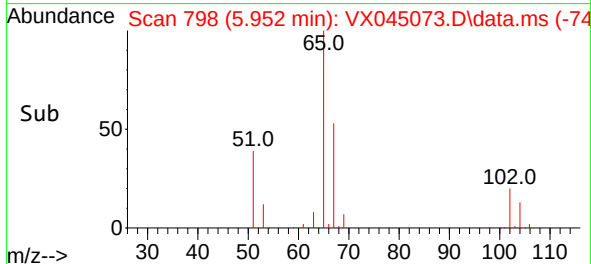
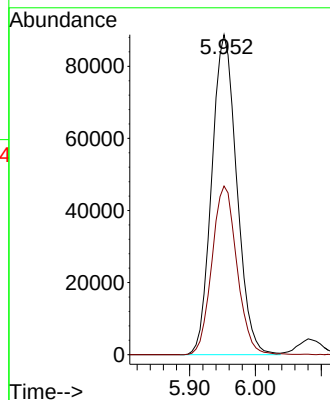
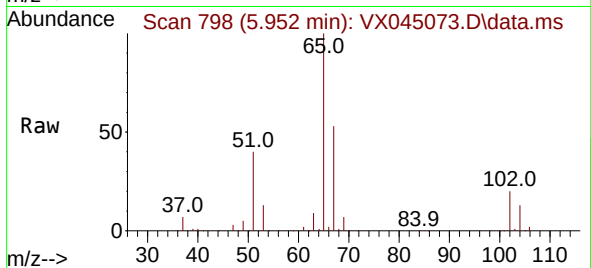
VSTDICC150

Tgt Ion: 65 Resp: 234624

Ion Ratio Lower Upper

65 100

67 52.7 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: VX045073.D

Acq: 28 Feb 2025 03:47

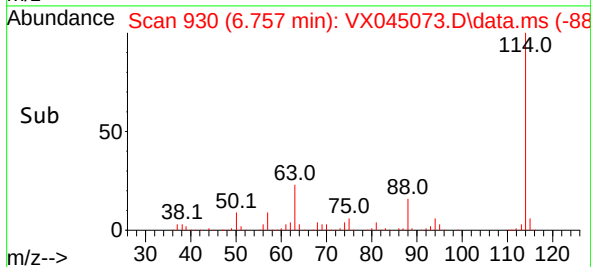
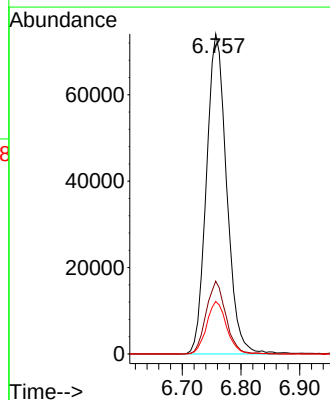
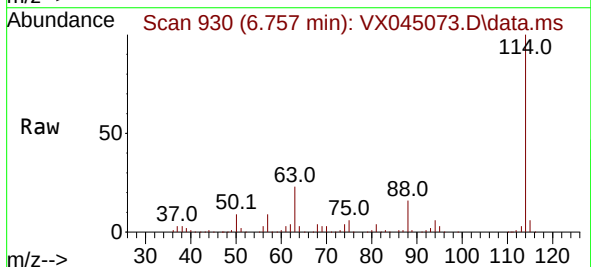
Tgt Ion: 114 Resp: 176991

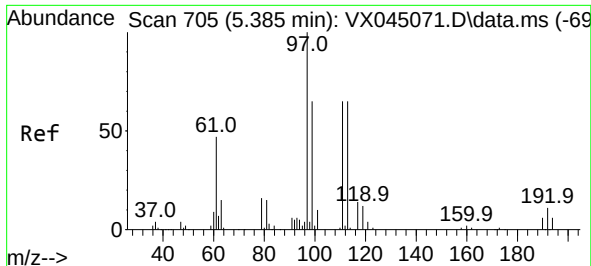
Ion Ratio Lower Upper

114 100

63 22.8 0.0 41.8

88 16.4 0.0 32.8

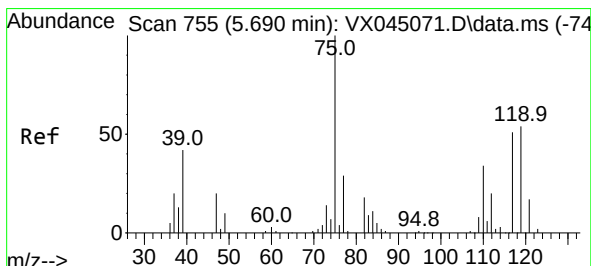
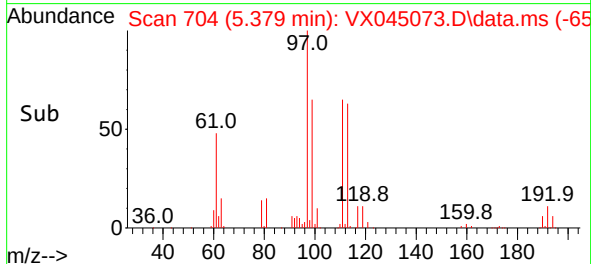
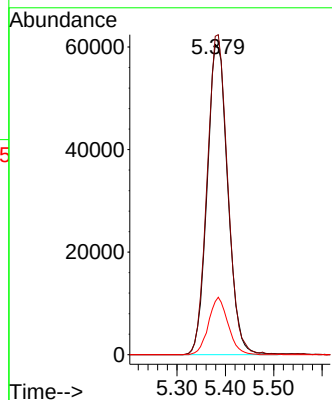
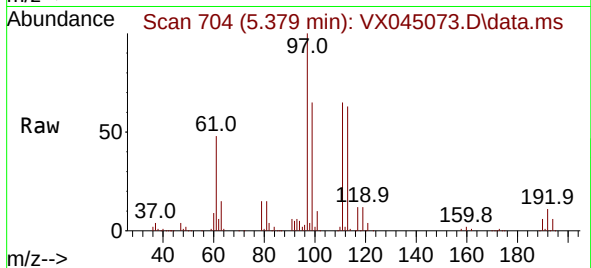




#35
Dibromofluoromethane
Concen: 155.359 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

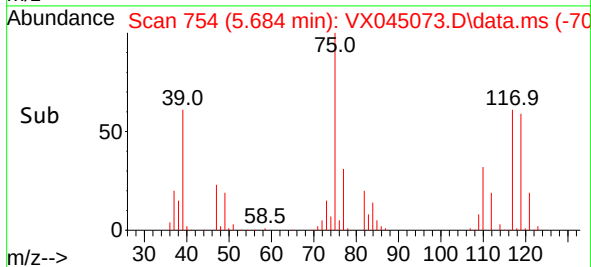
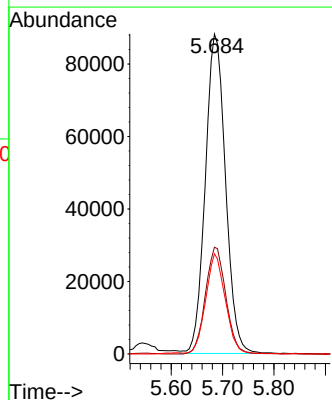
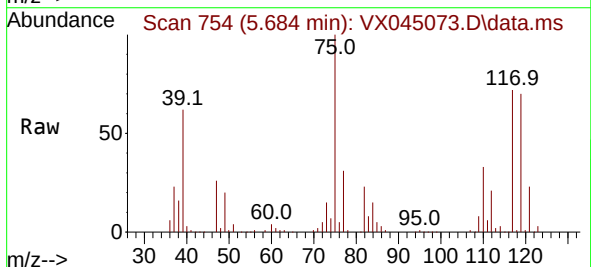
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

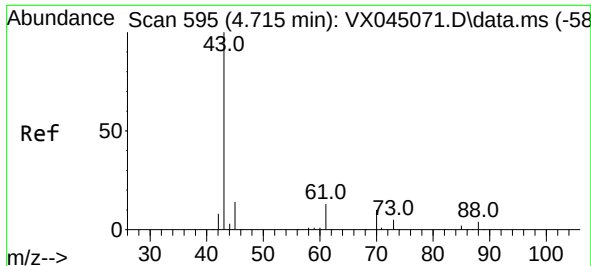
Tgt Ion:113 Resp: 179722
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.6
192 17.5 14.3 21.5



#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

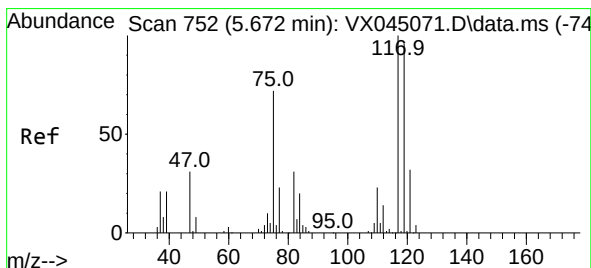
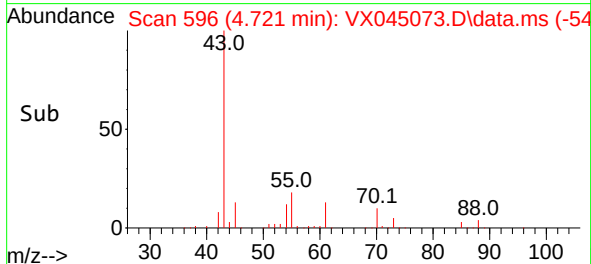
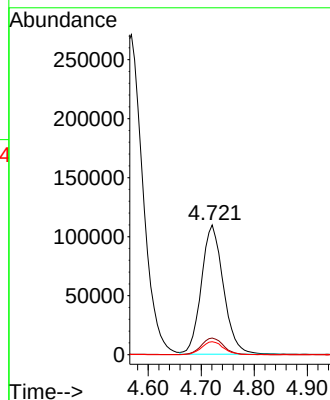
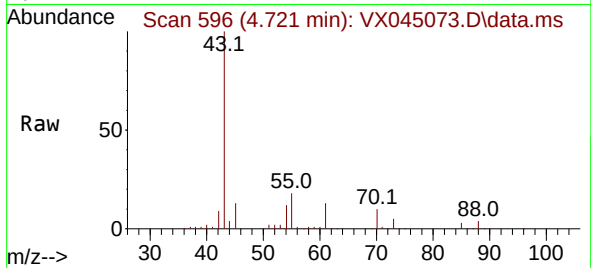




#37
Ethyl Acetate
Concen: 167.067 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

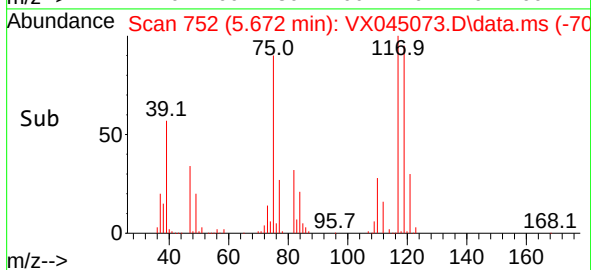
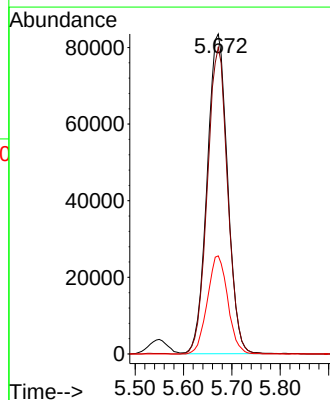
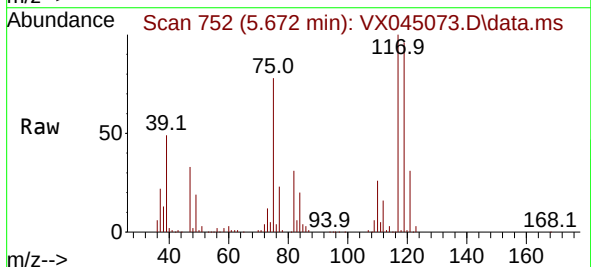
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

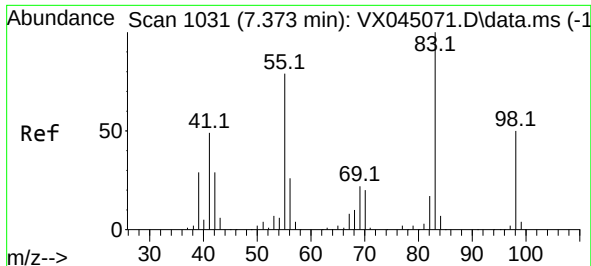
Tgt Ion: 43 Resp: 316250
Ion Ratio Lower Upper
43 100
61 13.2 10.8 16.2
70 10.1 7.7 11.5



#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# 1

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

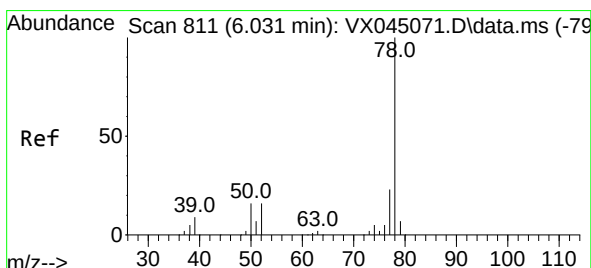
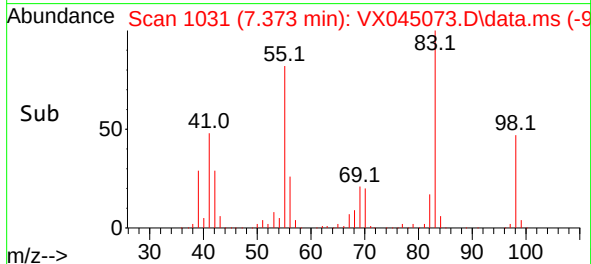
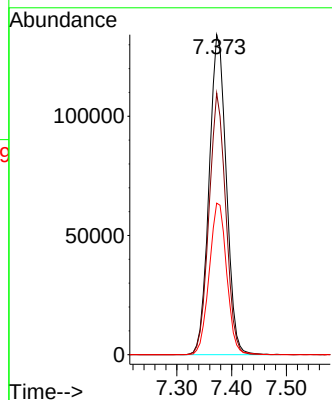
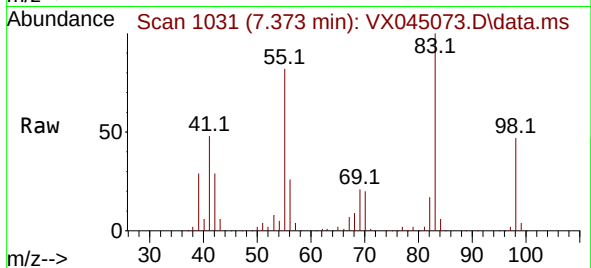
Tgt Ion: 83 Resp: 292216

Ion Ratio Lower Upper

83 100

55 81.7 63.0 94.4

98 47.4 39.7 59.5



#40

Benzene

Concen: 145.368 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX045073.D

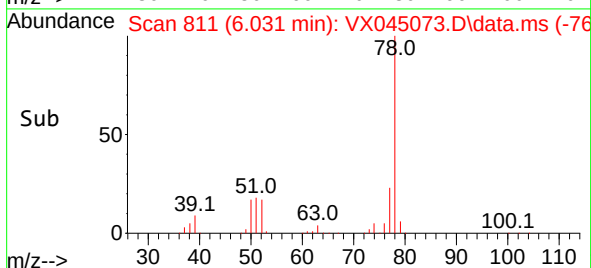
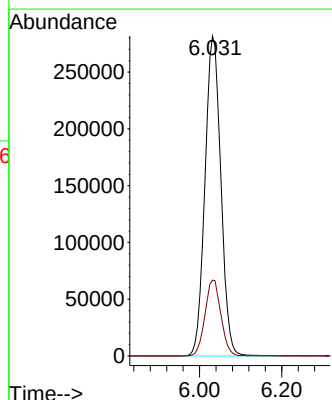
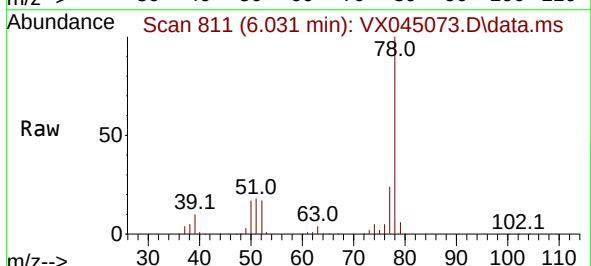
Acq: 28 Feb 2025 03:47

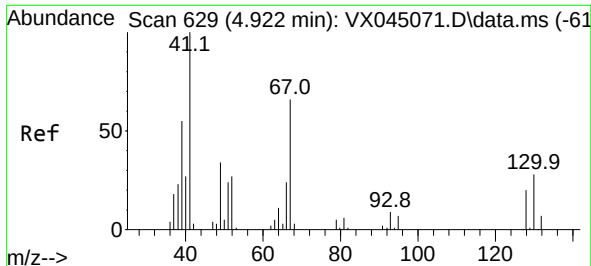
Tgt Ion: 78 Resp: 755854

Ion Ratio Lower Upper

78 100

77 23.7 18.8 28.2



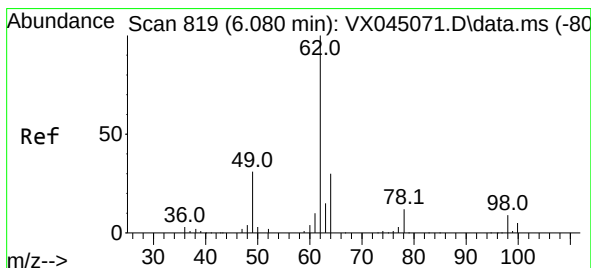
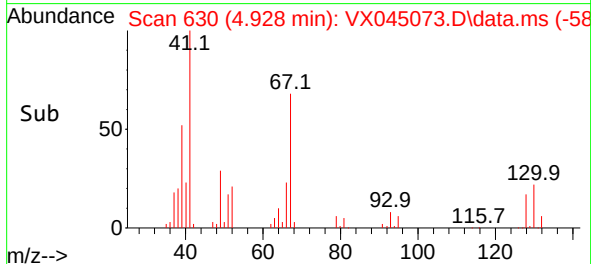
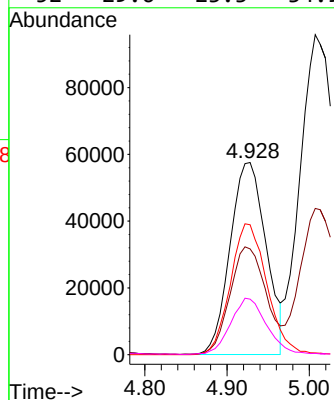
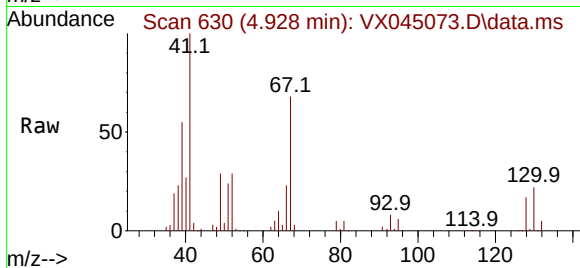


#41
Methacrylonitrile
Concen: 173.088 ug/l
RT: 4.928 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 175023

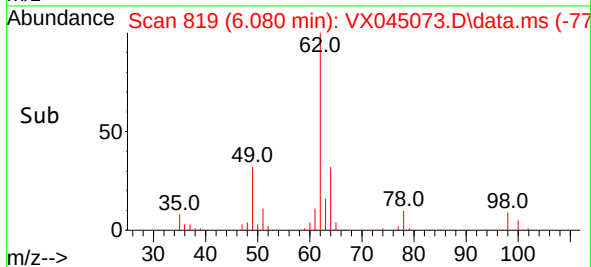
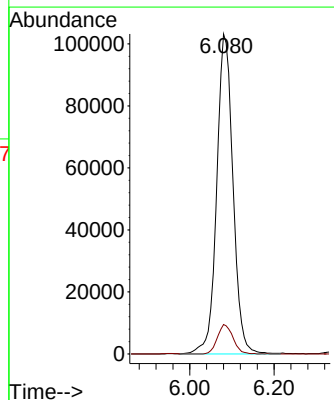
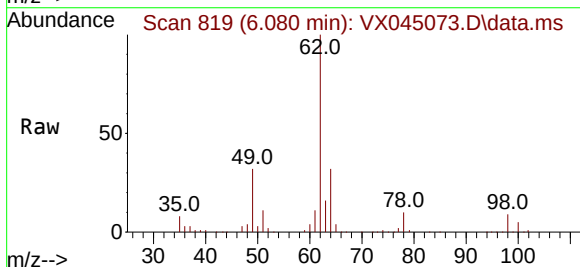
Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.6	67.0
67	69.5	53.9	80.9
52	29.6	23.3	34.9

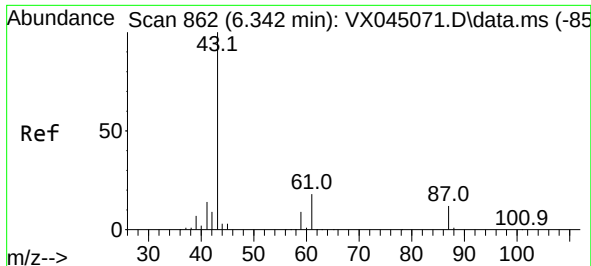


#42
1,2-Dichloroethane
Concen: 163.872 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 62 Resp: 276129

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2

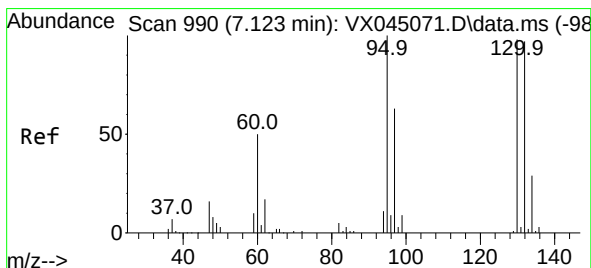
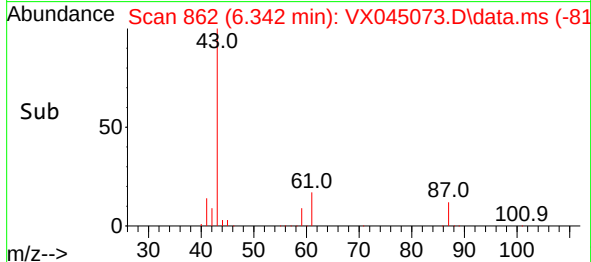
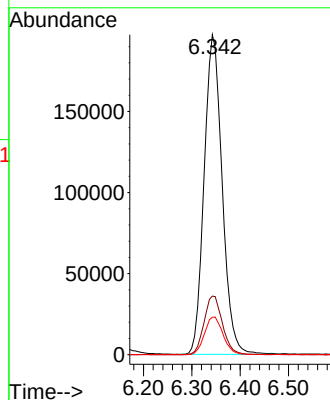
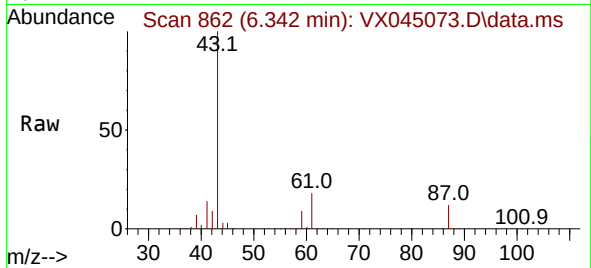




#43
Isopropyl Acetate
Concen: 169.804 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

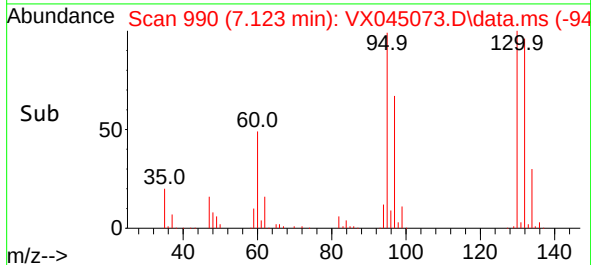
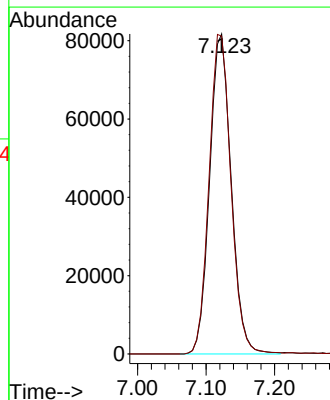
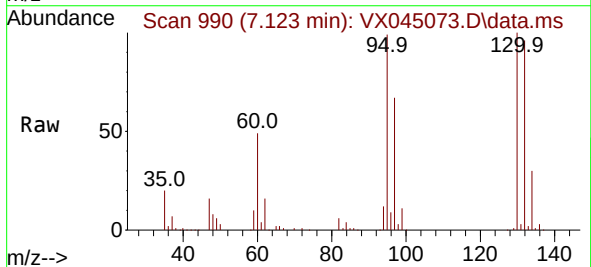
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

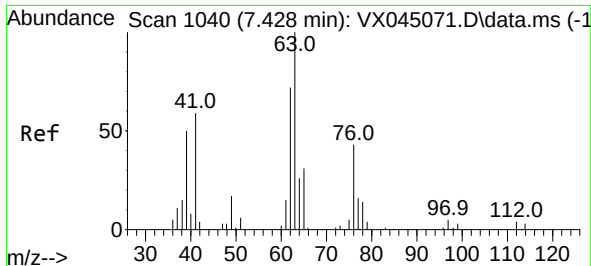
Tgt Ion: 43 Resp: 511643
Ion Ratio Lower Upper
43 100
61 18.7 14.9 22.3
87 12.1 9.4 14.2



#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 :

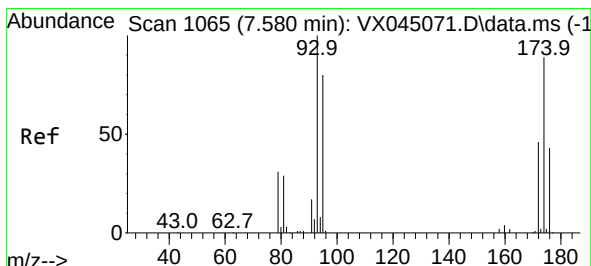
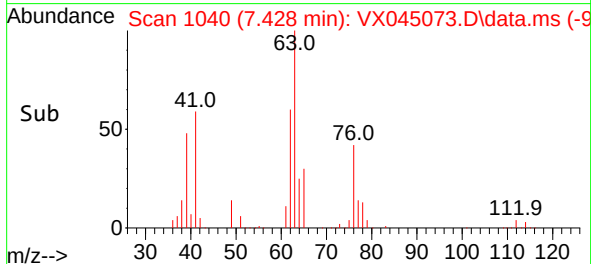
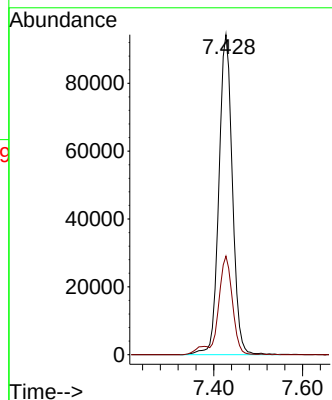
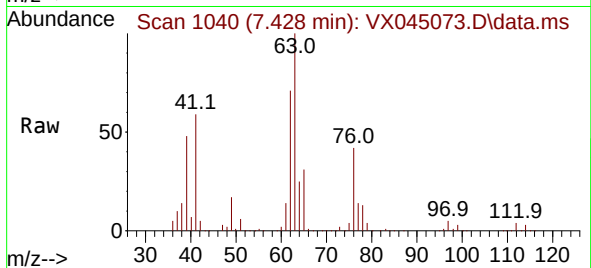
VSTDIC150

Tgt Ion: 63 Resp: 198135

Ion Ratio Lower Upper

63 100

65 30.8 24.7 37.1



#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

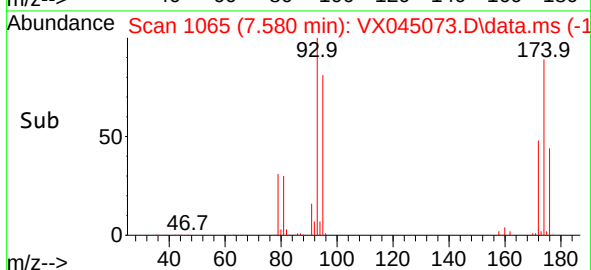
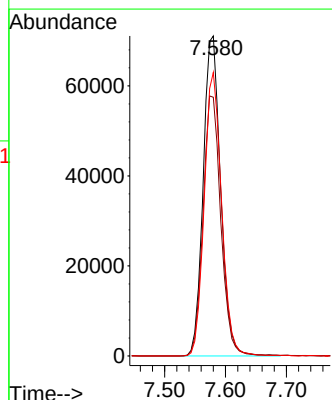
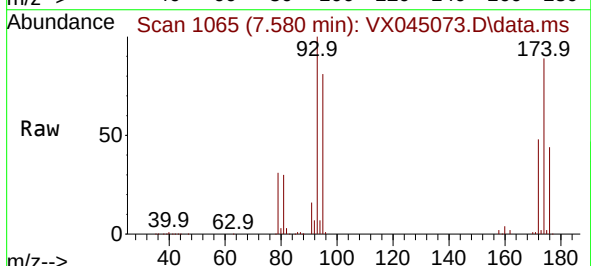
Tgt Ion: 93 Resp: 142119

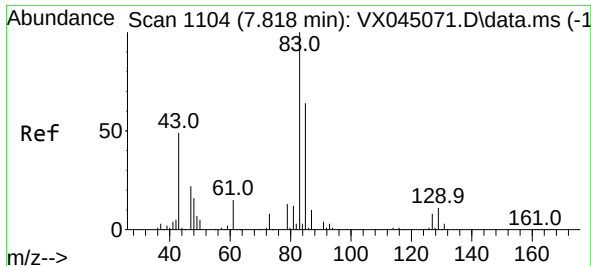
Ion Ratio Lower Upper

93 100

95 82.6 65.8 98.8

174 88.2 72.2 108.2

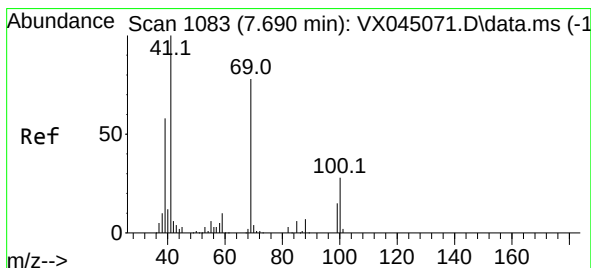
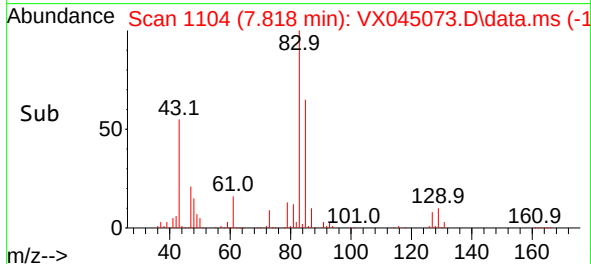
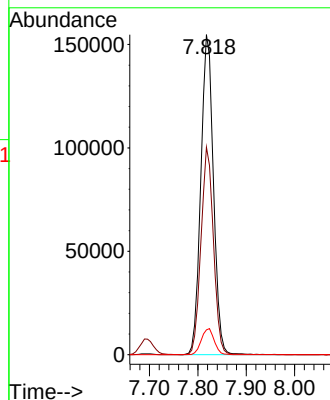
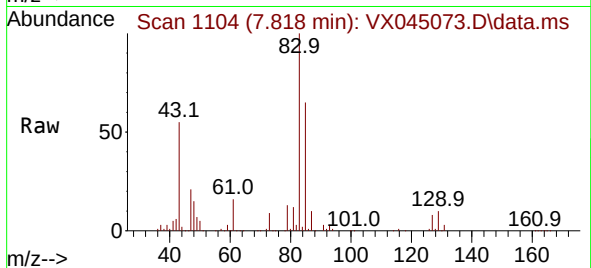




#47
Bromodichloromethane
Concen: 160.492 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

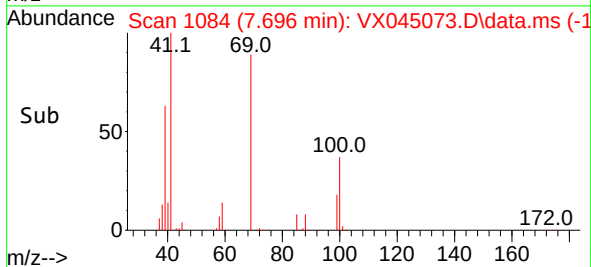
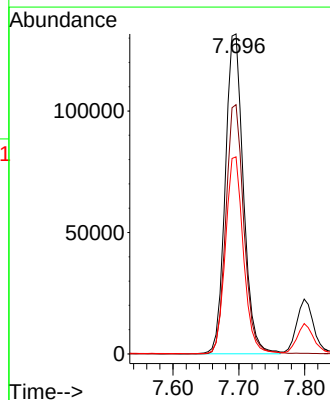
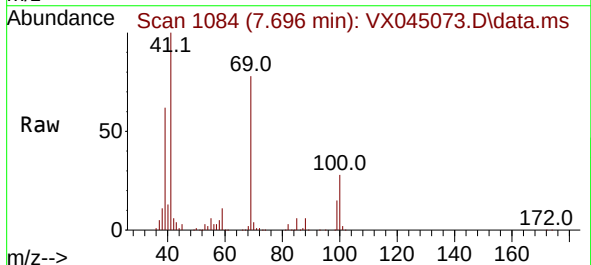
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

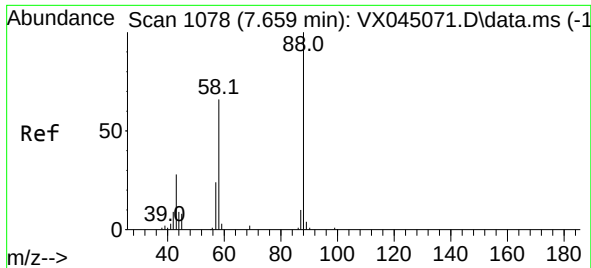
Tgt Ion: 83 Resp: 280255
Ion Ratio Lower Upper
83 100
85 64.9 51.1 76.7
127 7.8 6.4 9.6



#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

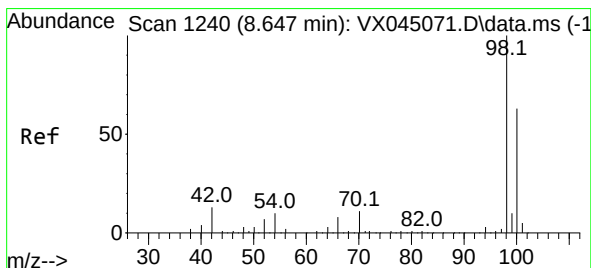
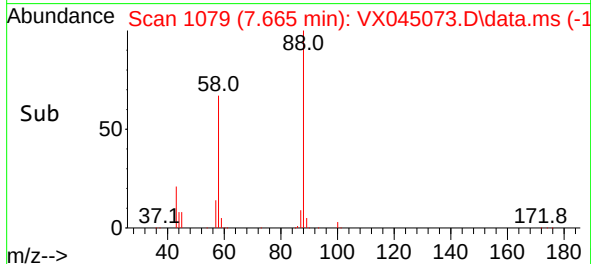
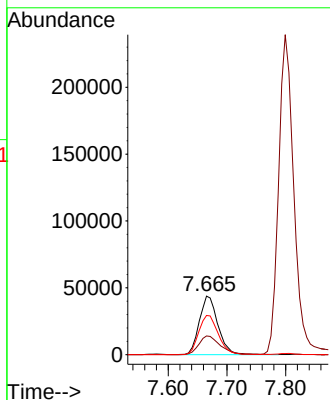
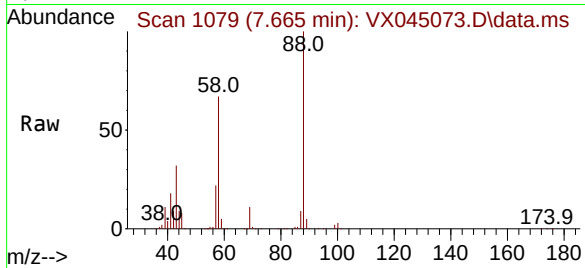




#49
1,4-Dioxane
Concen: 3166.423 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

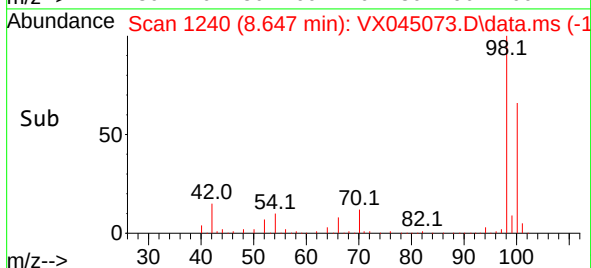
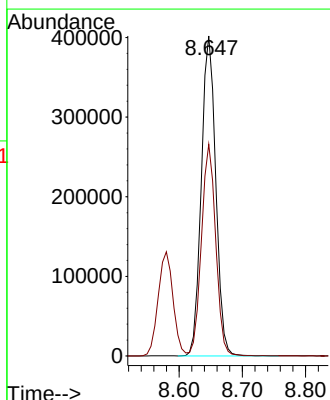
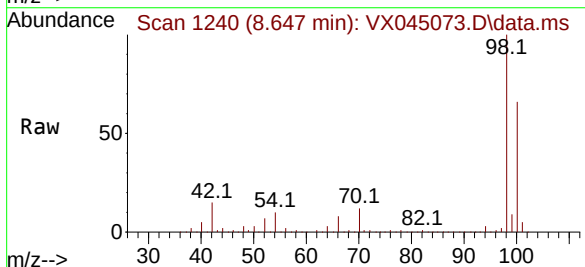
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

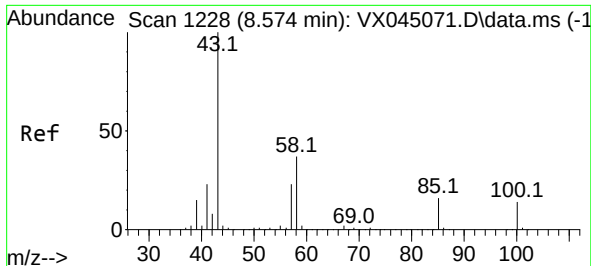
Tgt Ion: 88 Resp: 96268
Ion Ratio Lower Upper
88 100
43 37.0 28.7 43.1
58 70.8 55.8 83.8



#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

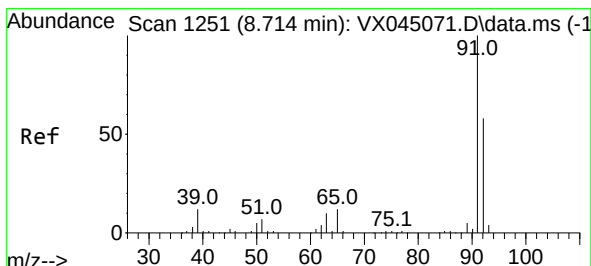
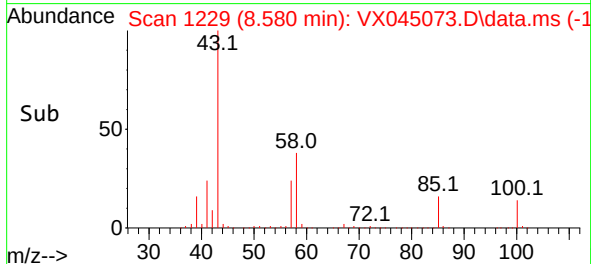
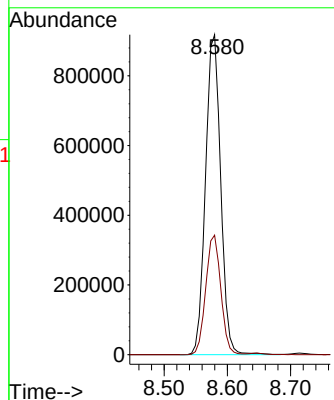
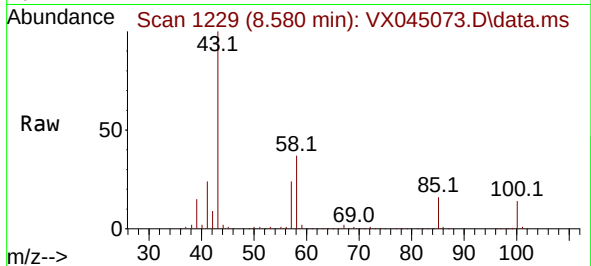




#51
4-Methyl-2-Pentanone
Concen: 832.051 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

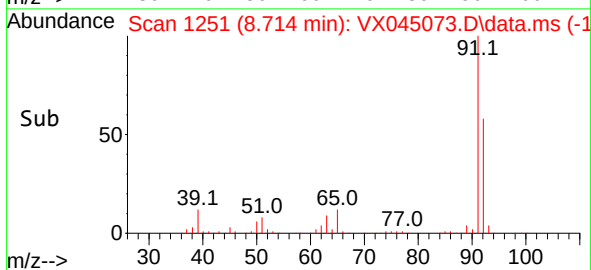
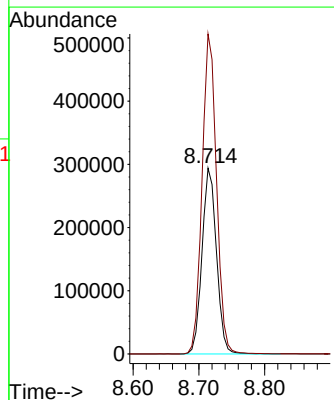
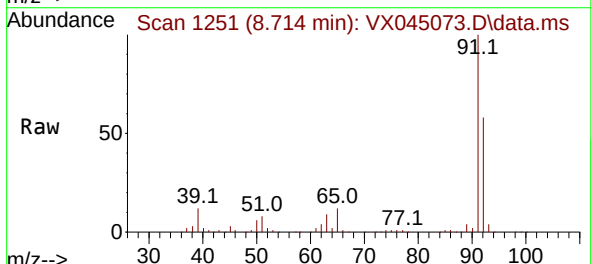
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

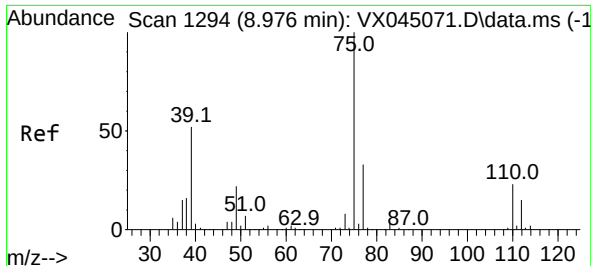
Tgt Ion: 43 Resp: 1536157
Ion Ratio Lower Upper
43 100
58 37.1 29.2 43.8



#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 :

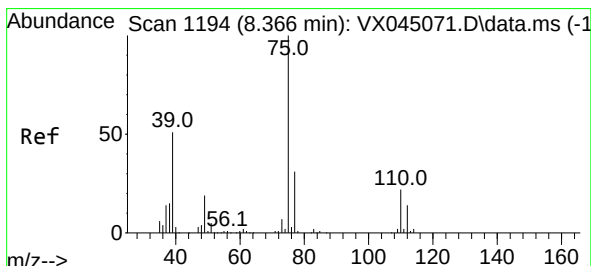
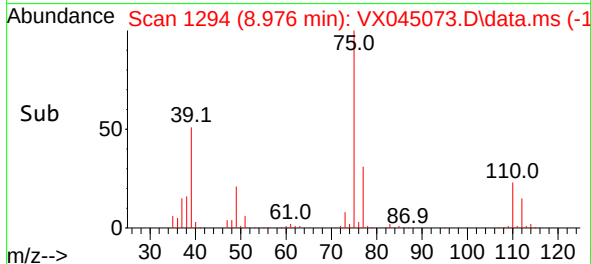
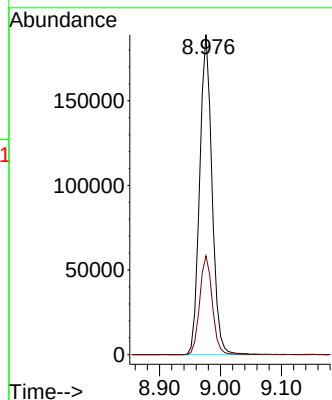
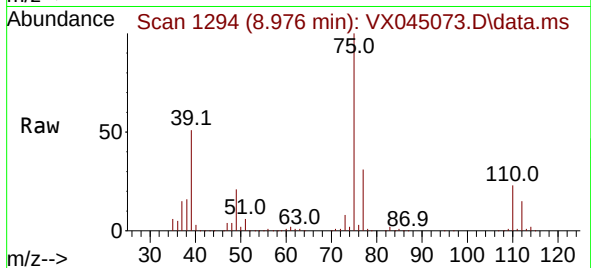
VSTDICC150

Tgt Ion: 75 Resp: 266444

Ion Ratio Lower Upper

75 100

77 30.9 26.5 39.7



#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

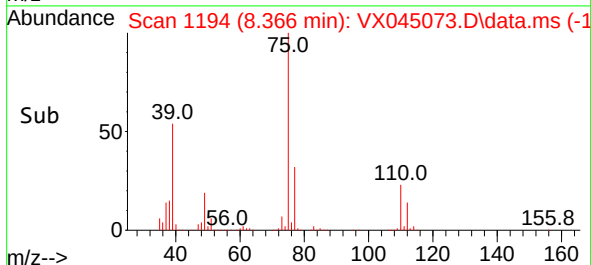
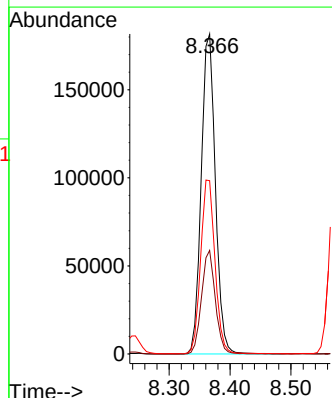
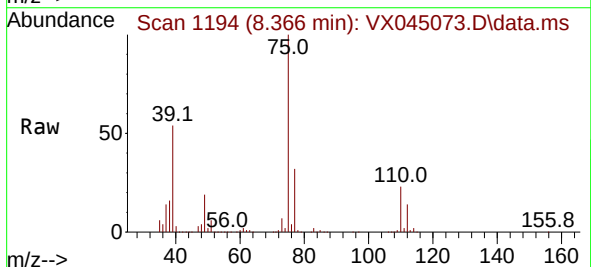
Tgt Ion: 75 Resp: 293521

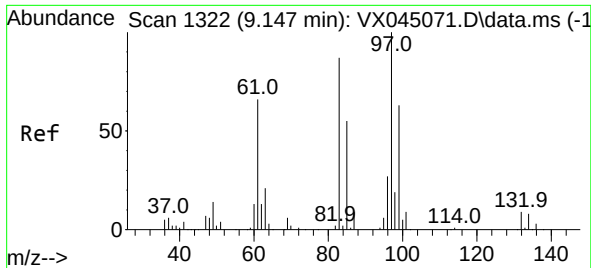
Ion Ratio Lower Upper

75 100

77 32.3 24.7 37.1

39 54.0 40.7 61.1



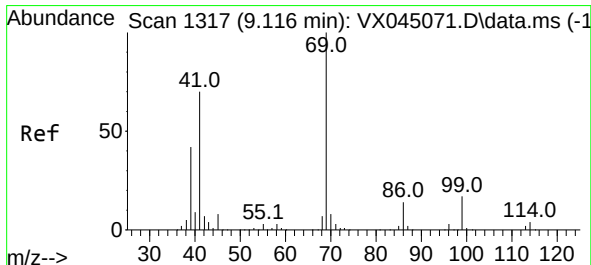
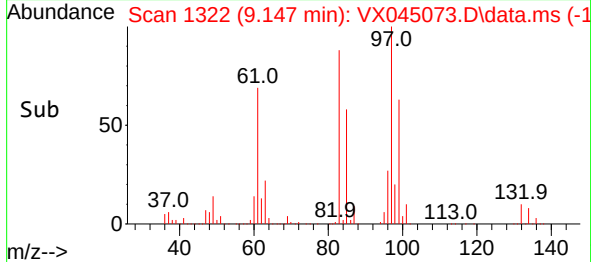
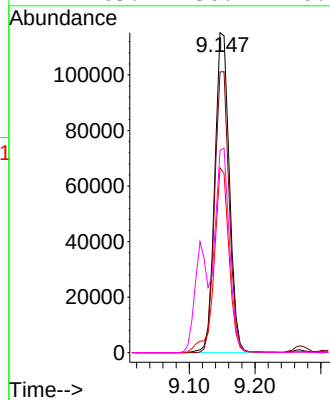
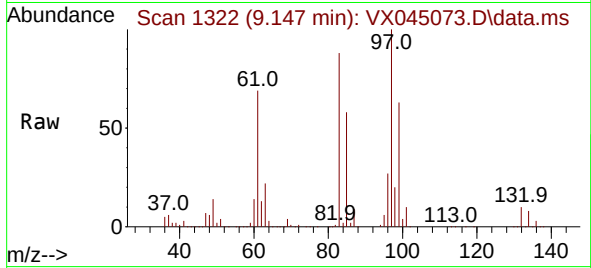


#55
1,1,2-Trichloroethane
Concen: 149.046 ug/l
RT: 9.147 min Scan# 1322
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tgt Ion: 97 Resp: 178217

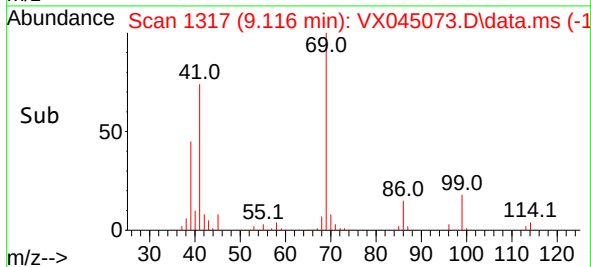
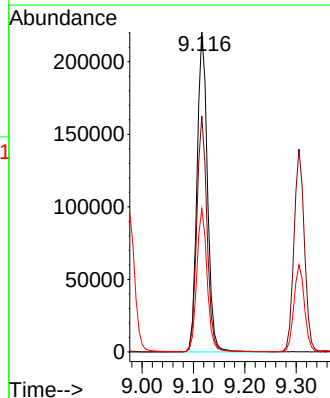
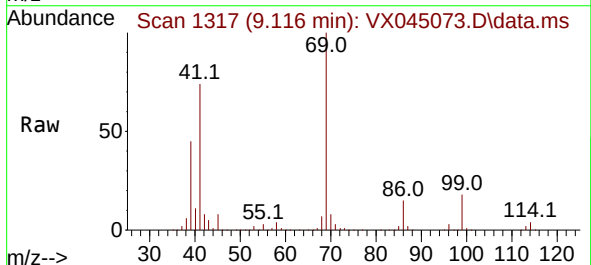
Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.4	104.2
85	57.8	44.1	66.1
99	63.1	50.7	76.1

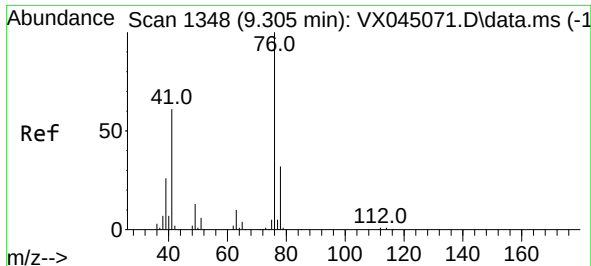


#56
Ethyl methacrylate
Concen: 162.631 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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# 11

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

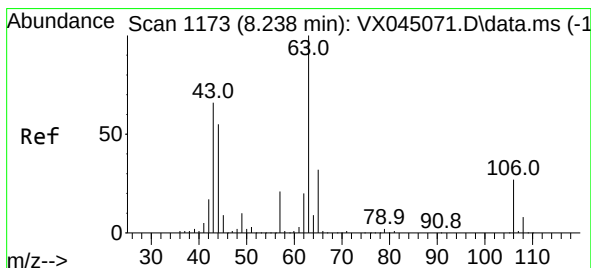
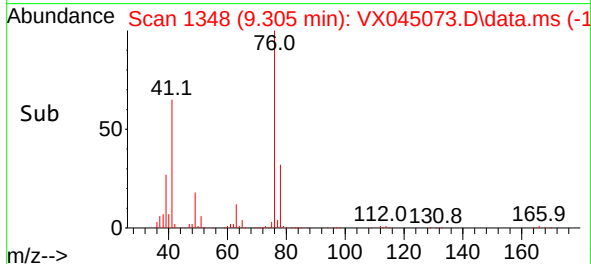
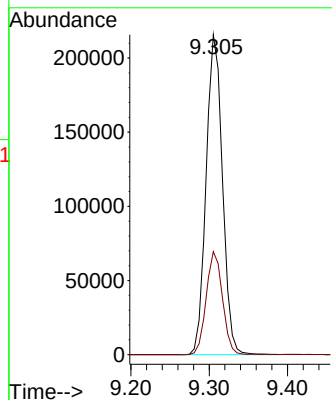
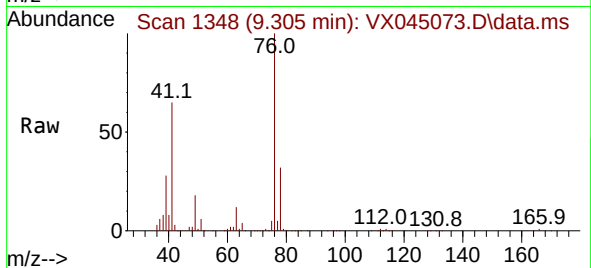
VSTDICC150

Tgt Ion: 76 Resp: 312196

Ion Ratio Lower Upper

76 100

78 32.0 25.5 38.3



#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

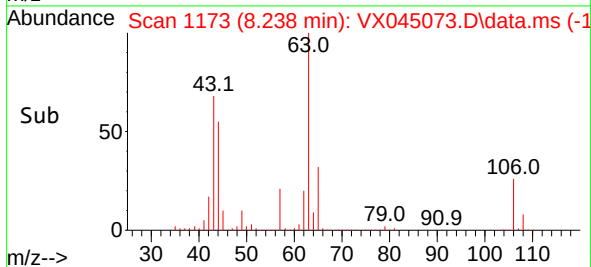
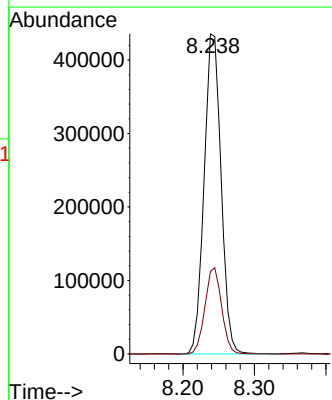
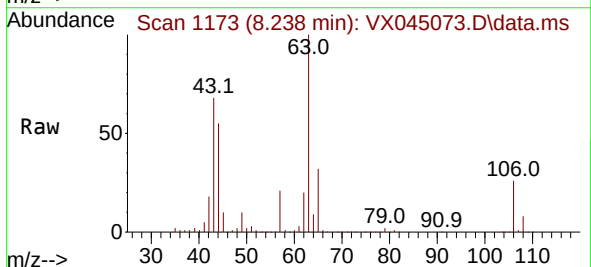
Acq: 28 Feb 2025 03:47

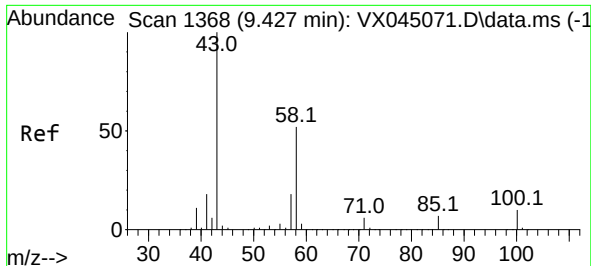
Tgt Ion: 63 Resp: 717328

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 :

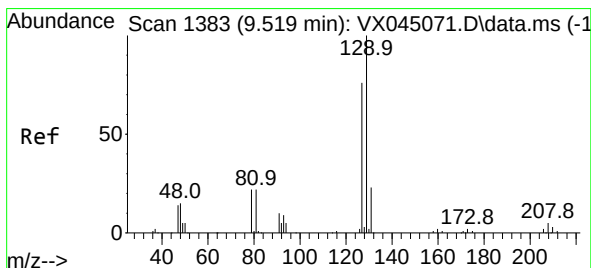
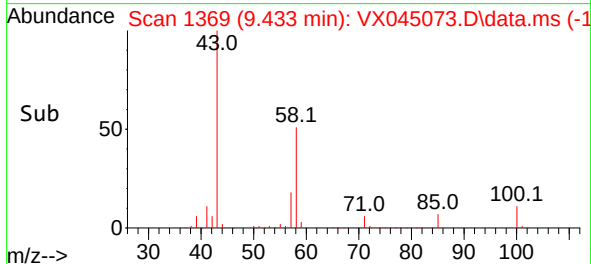
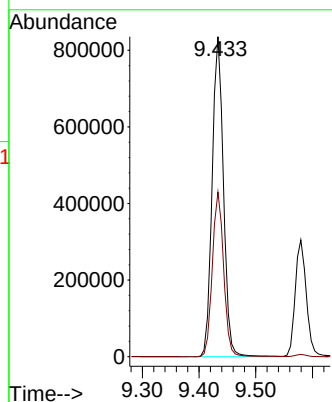
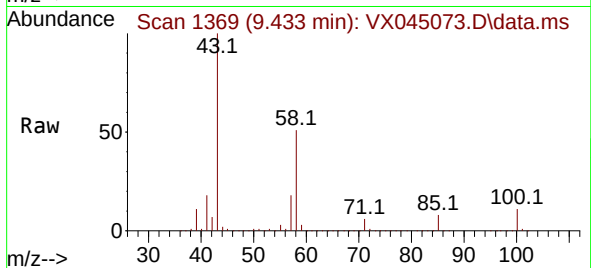
VSTDICC150

Tgt Ion: 43 Resp: 1156653

Ion Ratio Lower Upper

43 100

58 51.6 25.9 77.6



#60

Dibromochloromethane

Concen: 158.276 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX045073.D

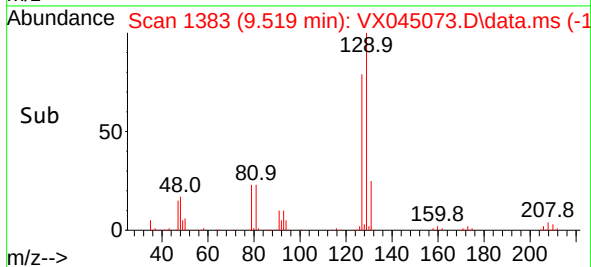
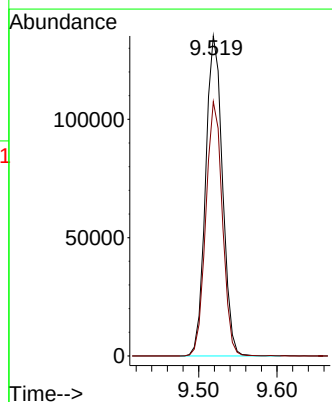
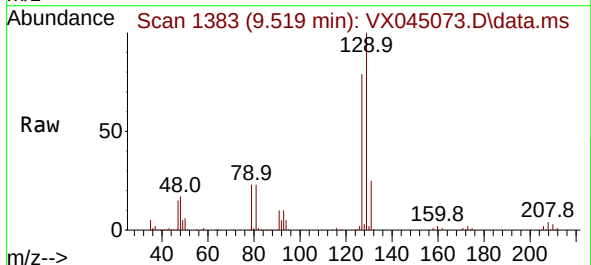
Acq: 28 Feb 2025 03:47

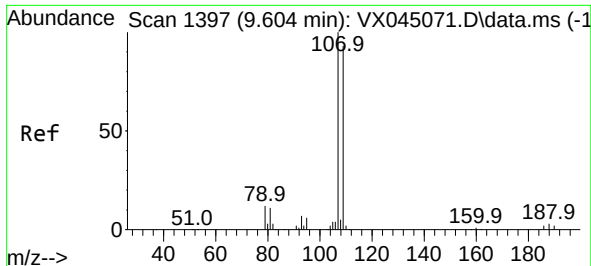
Tgt Ion: 129 Resp: 201906

Ion Ratio Lower Upper

129 100

127 77.9 38.5 115.5

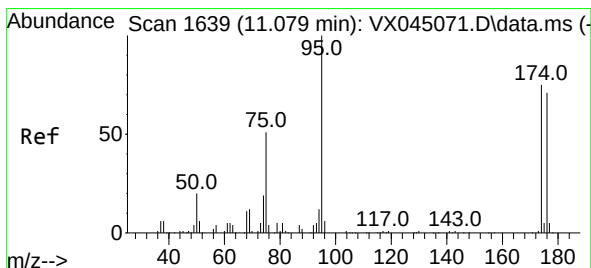
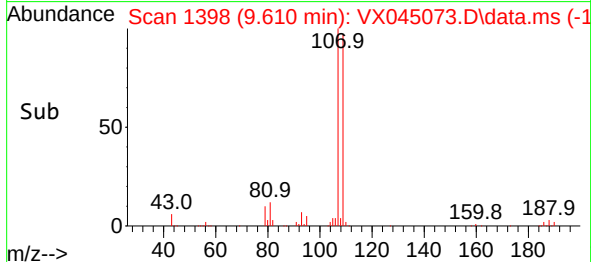
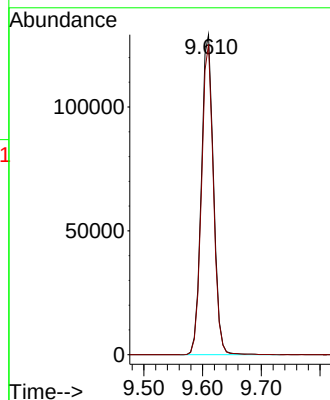
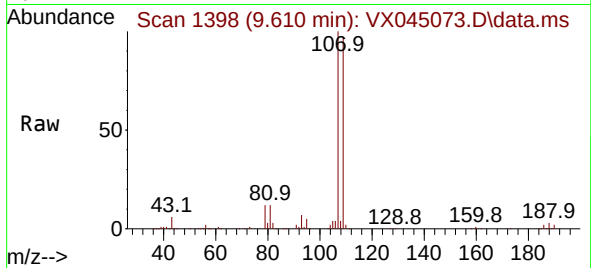




#61
1,2-Dibromoethane
Concen: 154.074 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

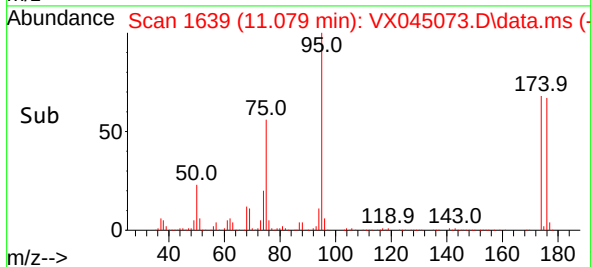
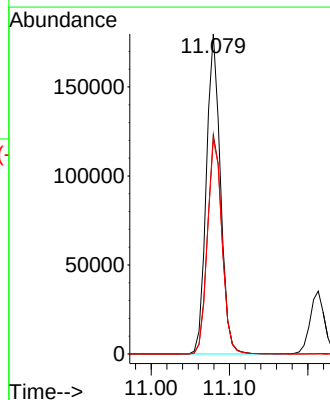
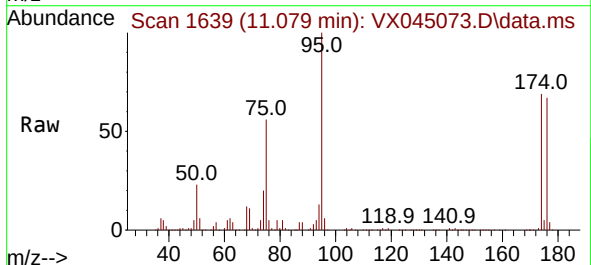
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

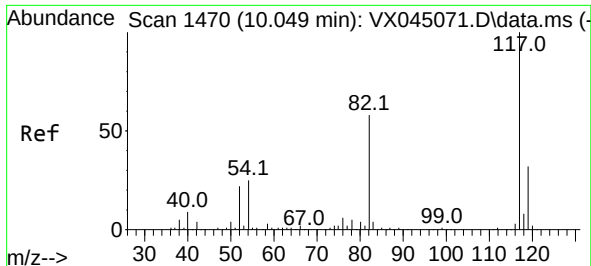
Tgt Ion:107 Resp: 185828
Ion Ratio Lower Upper
107 100
109 95.2 76.1 114.1



#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

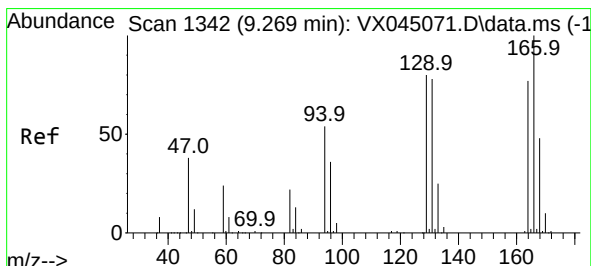
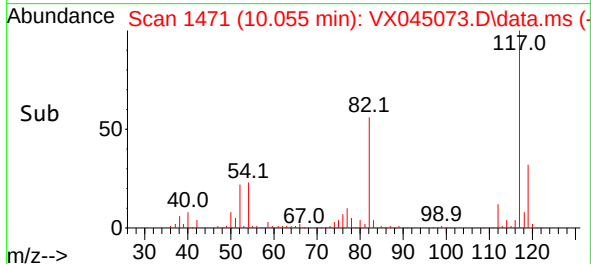
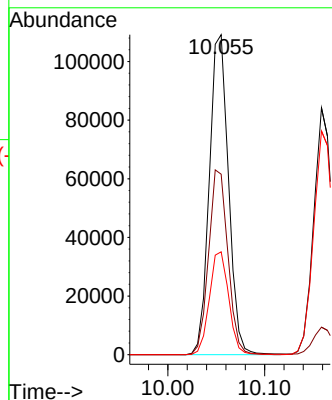
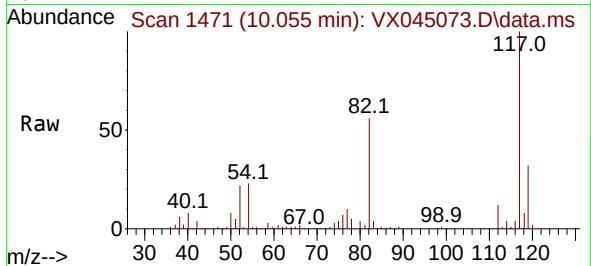




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

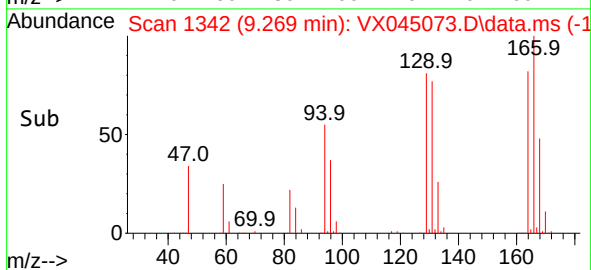
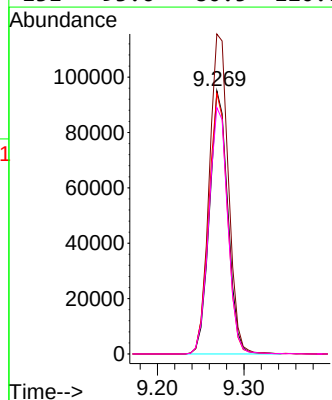
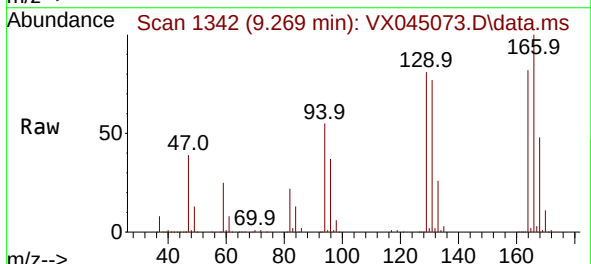
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

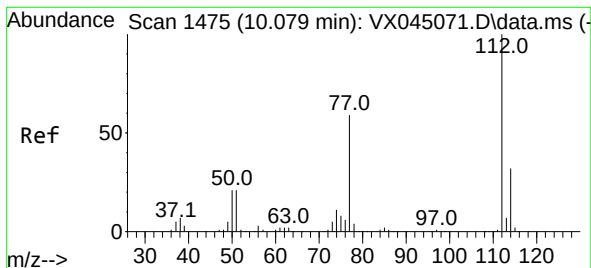
Tgt Ion:117 Resp: 150547
Ion Ratio Lower Upper
117 100
82 56.4 46.3 69.5
119 32.1 25.7 38.5



#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

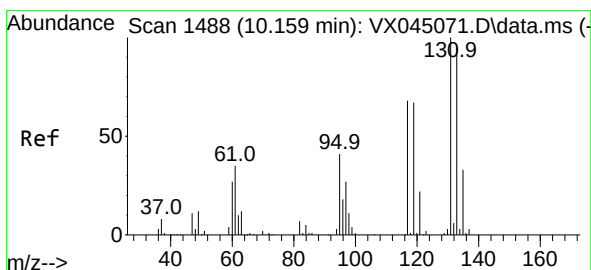
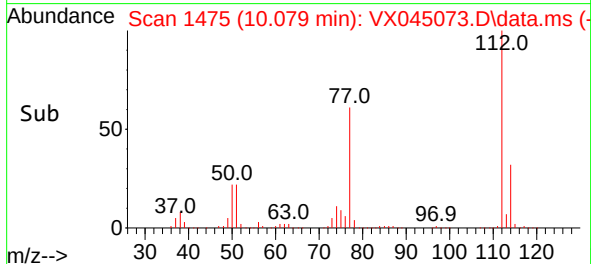
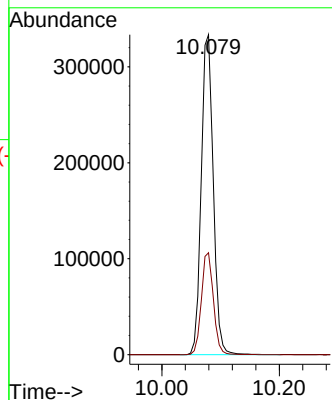
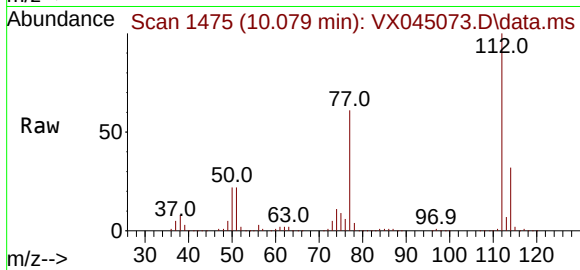




#65
Chlorobenzene
Concen: 146.096 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

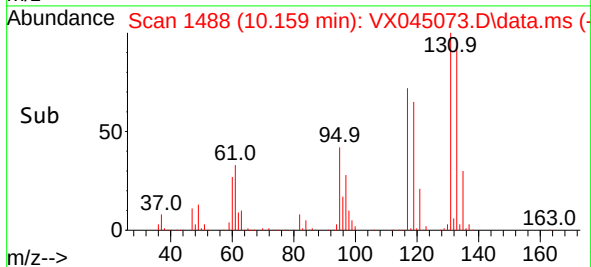
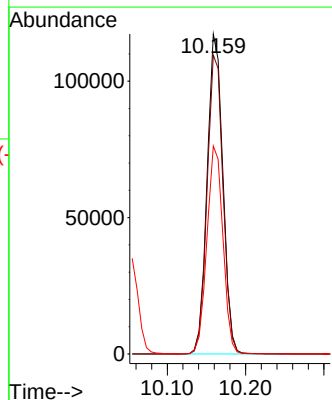
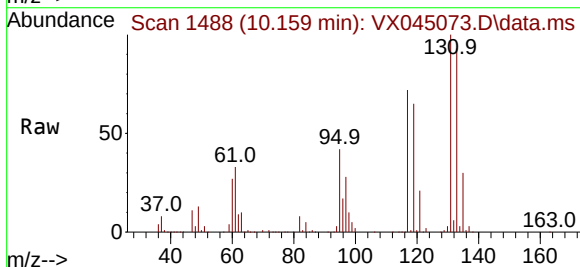
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

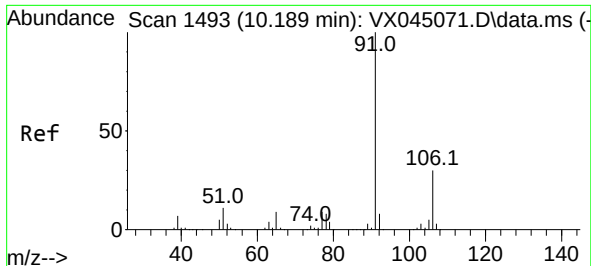
Tgt Ion:112 Resp: 472117
Ion Ratio Lower Upper
112 100
114 31.9 26.0 39.0



#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 :

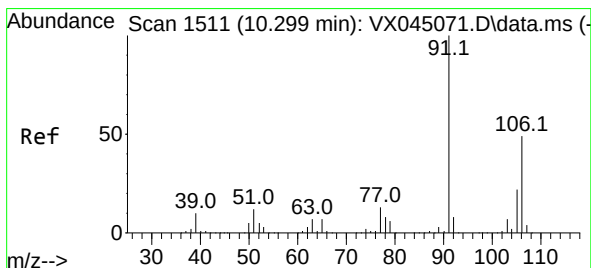
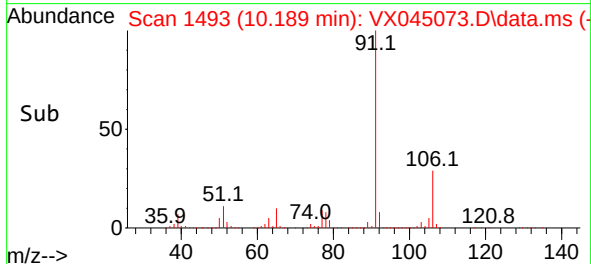
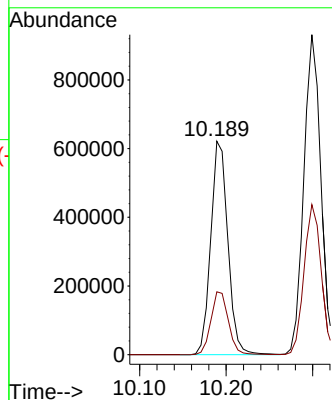
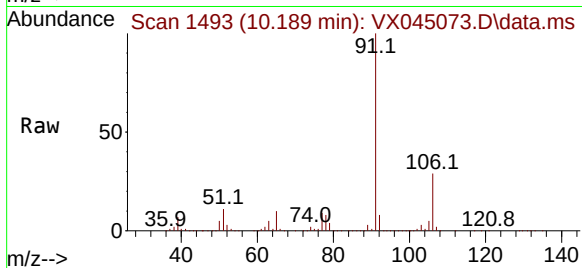
VSTDICC150

Tgt Ion: 91 Resp: 852575

Ion Ratio Lower Upper

91 100

106 29.5 23.9 35.9



#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

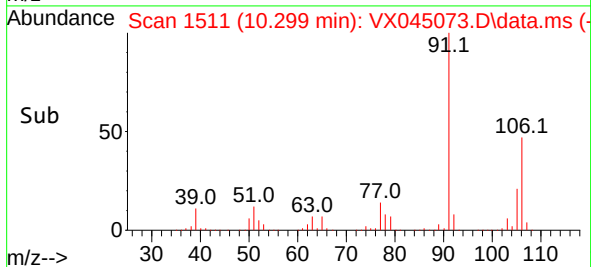
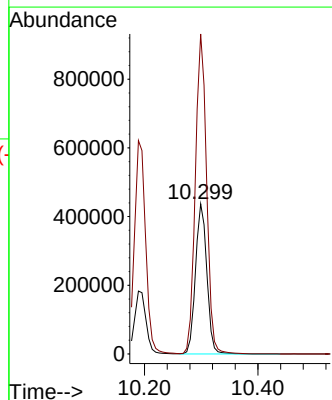
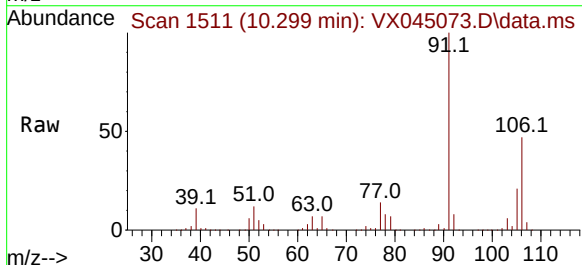
Acq: 28 Feb 2025 03:47

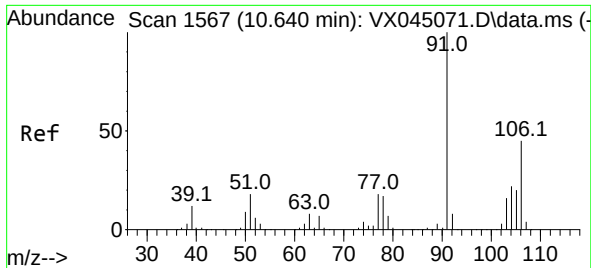
Tgt Ion:106 Resp: 607523

Ion Ratio Lower Upper

106 100

91 211.2 165.4 248.0

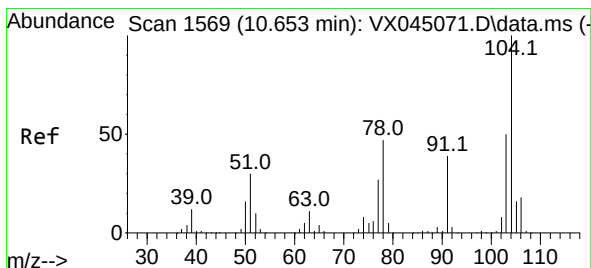
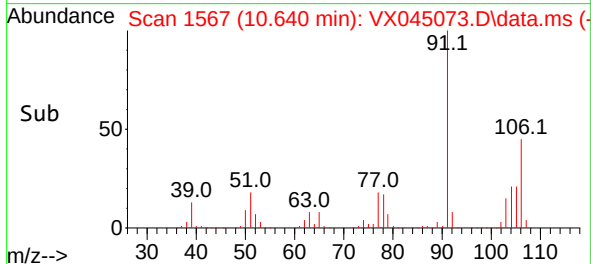
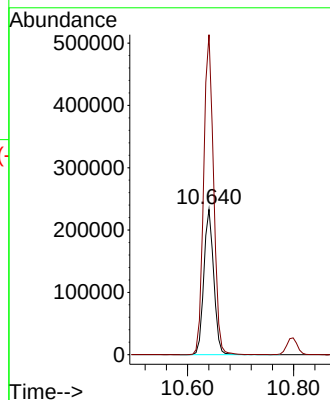
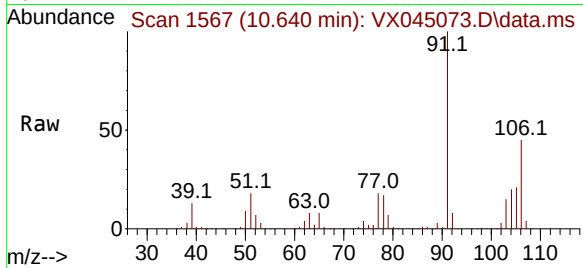




#69
o-Xylene
Concen: 143.259 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

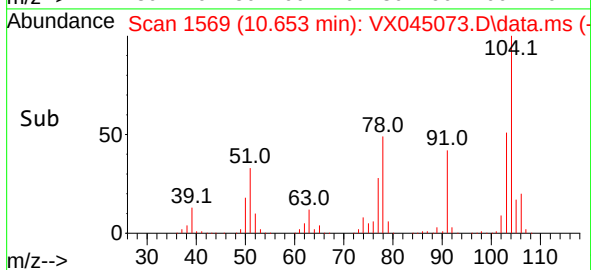
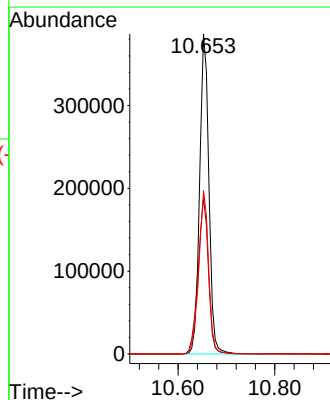
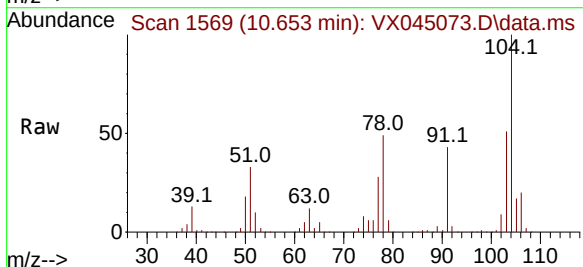
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

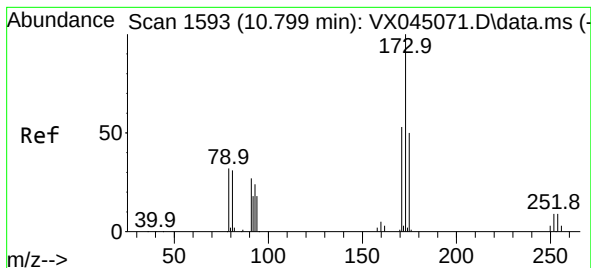
Tgt Ion:106 Resp: 302495
Ion Ratio Lower Upper
106 100
91 221.3 109.9 329.6



#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

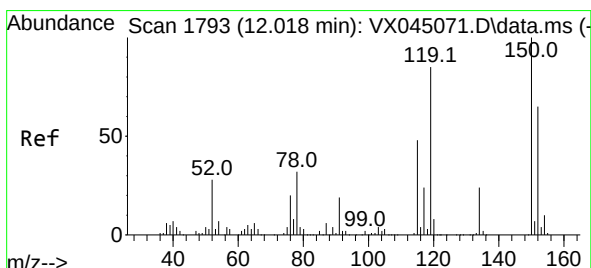
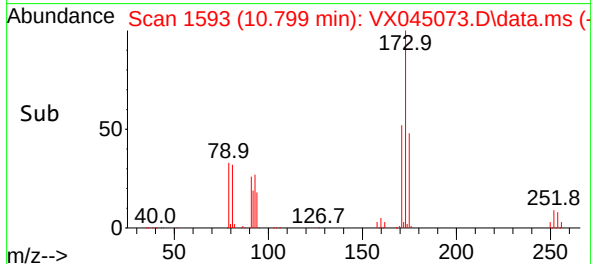
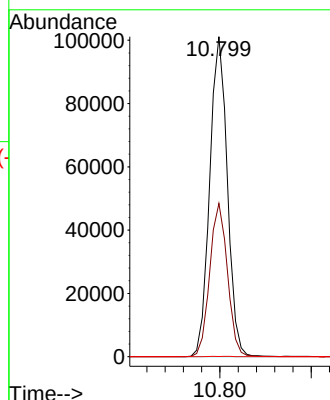
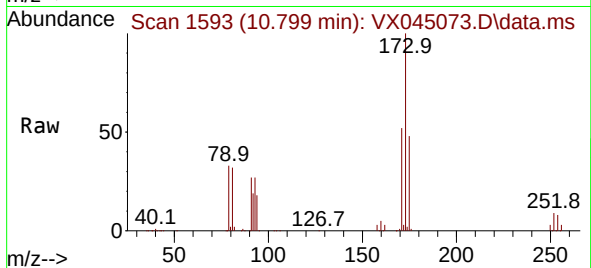




#71
Bromoform
Concen: 174.808 ug/l
RT: 10.799 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

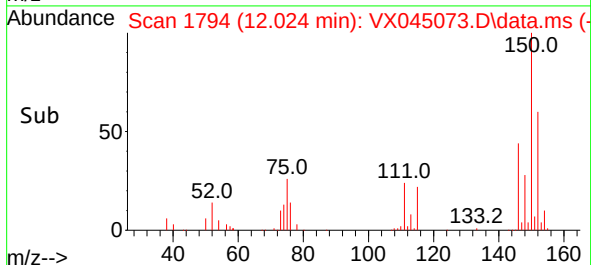
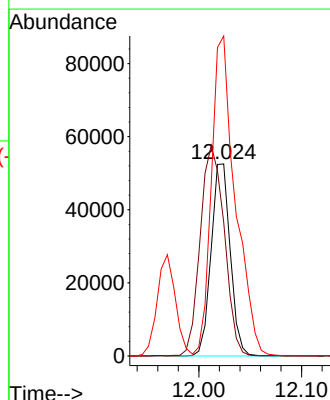
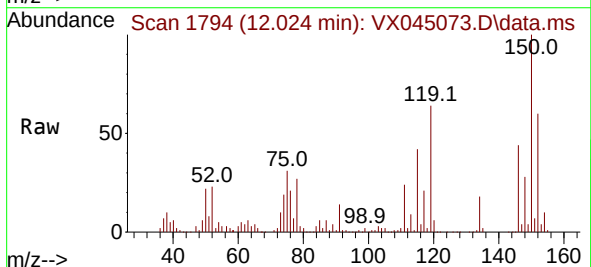
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

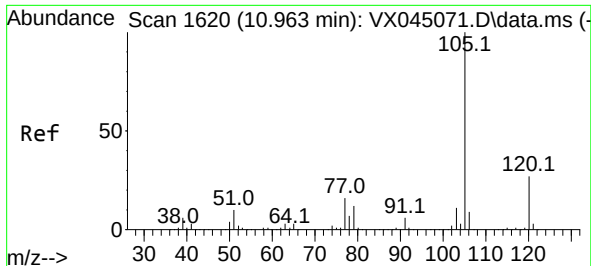
Tgt Ion:173 Resp: 135388
Ion Ratio Lower Upper
173 100
175 48.3 24.6 73.6
254 0.1 0.0 0.0#



#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

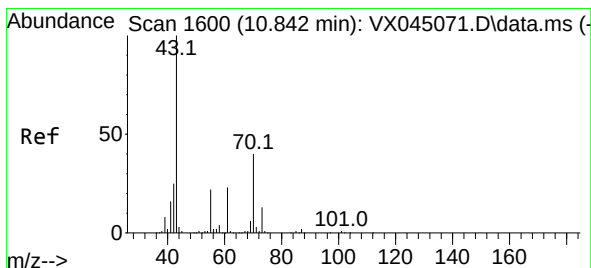
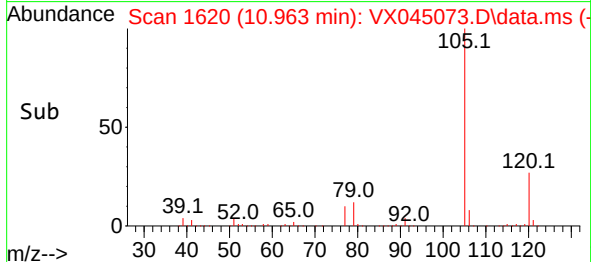
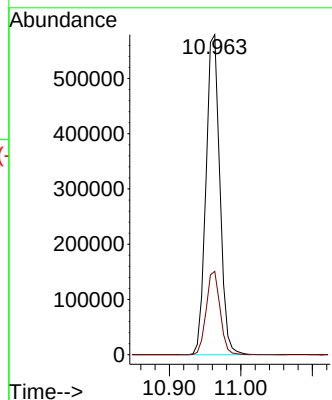
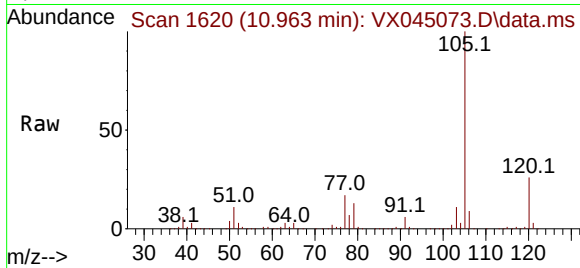




#73
Isopropylbenzene
Concen: 142.719 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

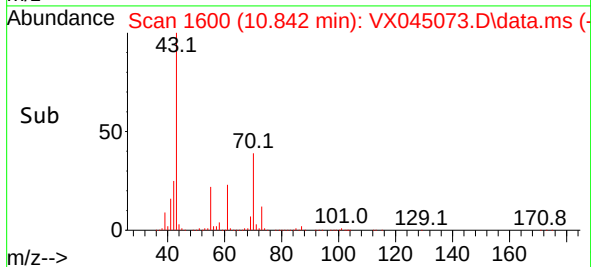
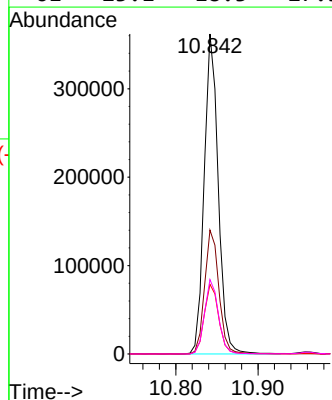
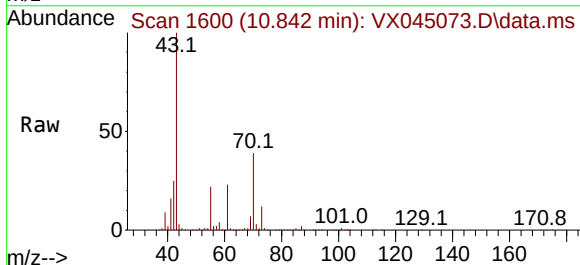
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

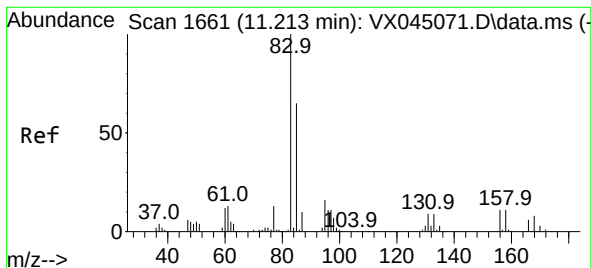
Tgt Ion:105 Resp: 780706
Ion Ratio Lower Upper
105 100
120 26.0 13.2 39.5



#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

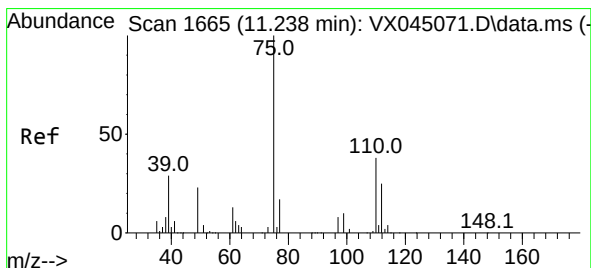
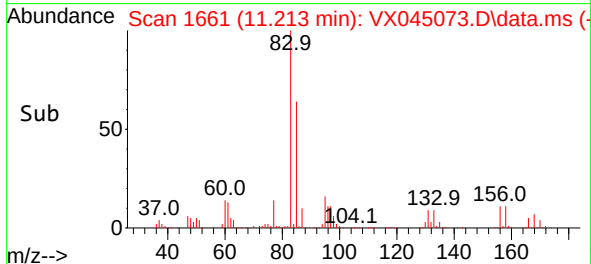
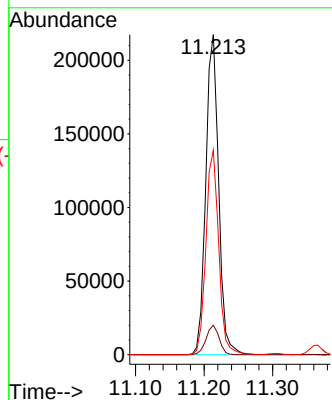
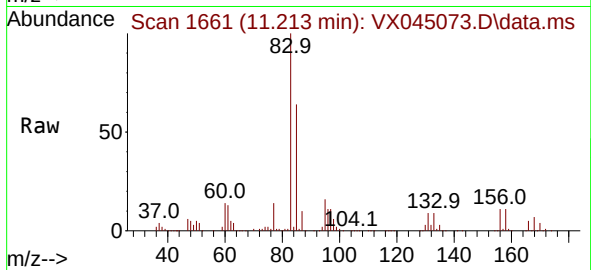




#75
1,1,2,2-Tetrachloroethane
Concen: 150.458 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

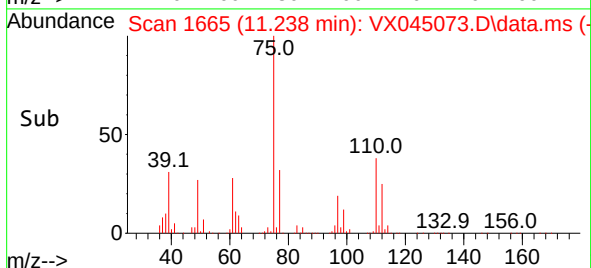
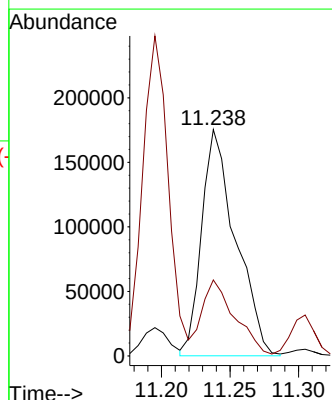
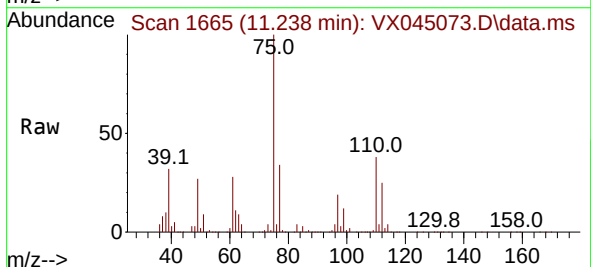
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

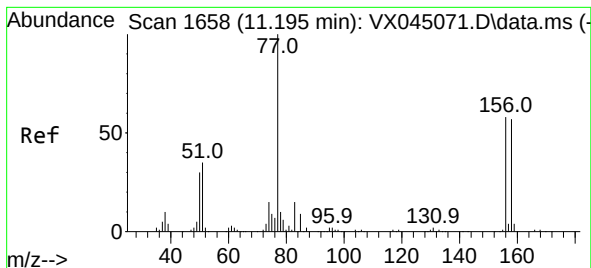
Tgt Ion: 83 Resp: 283558
Ion Ratio Lower Upper
83 100
131 9.3 4.5 13.4
85 63.8 31.7 95.1



#76
1,2,3-Trichloropropane
Concen: 201.103 ug/l
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: 303633
Ion Ratio Lower Upper
75 100
77 32.6 20.7 62.1





#77

Bromobenzene

Concen: 145.760 ug/l

RT: 11.195 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

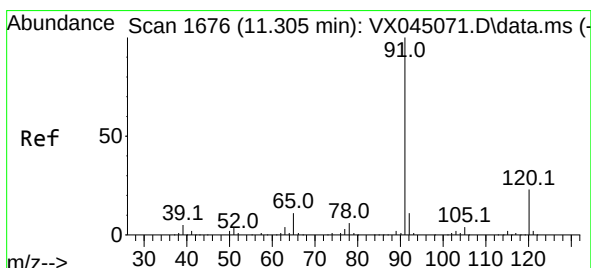
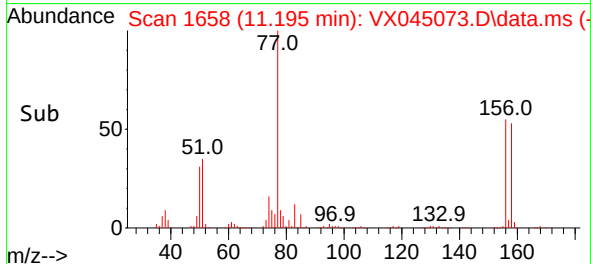
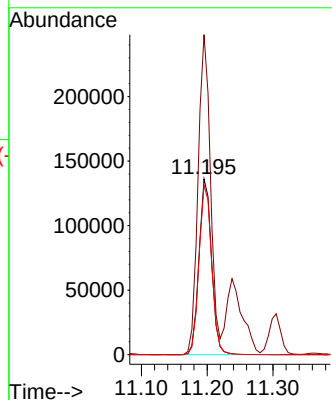
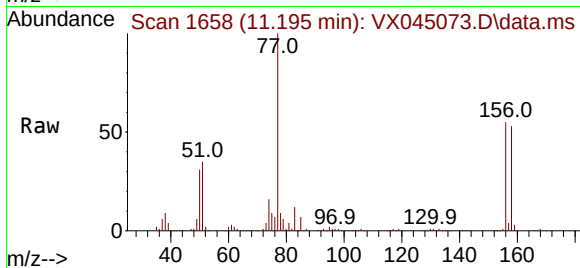
Tgt Ion:156 Resp: 180997

Ion Ratio Lower Upper

156 100

77 179.4 85.8 257.4

158 97.1 48.4 145.2



#78

n-propylbenzene

Concen: 146.395 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX045073.D

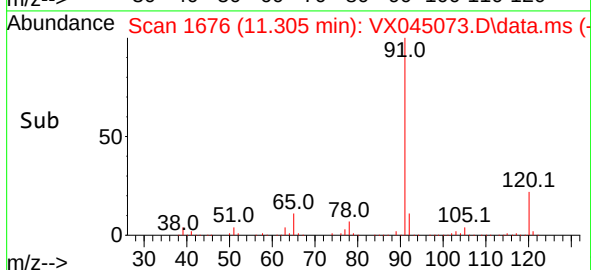
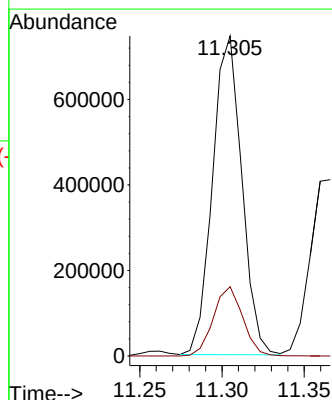
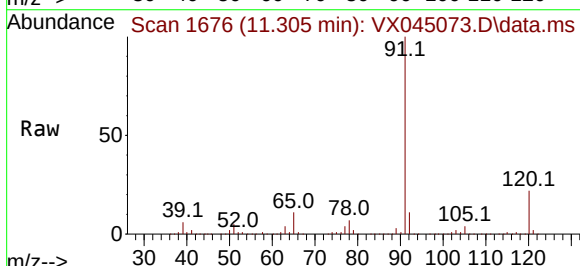
Acq: 28 Feb 2025 03:47

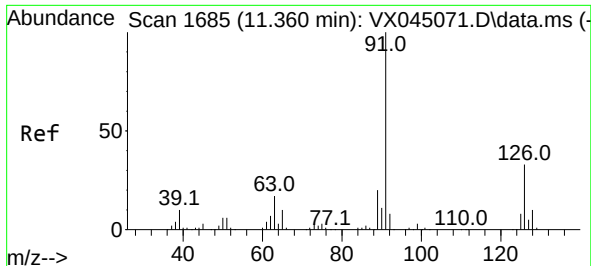
Tgt Ion: 91 Resp: 923593

Ion Ratio Lower Upper

91 100

120 21.8 11.2 33.6

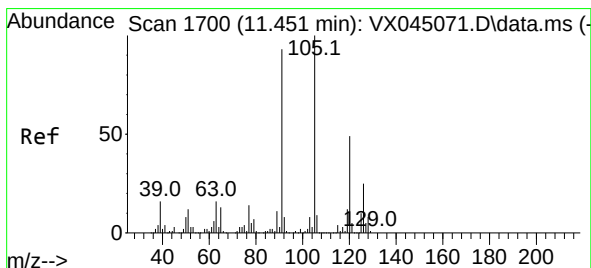
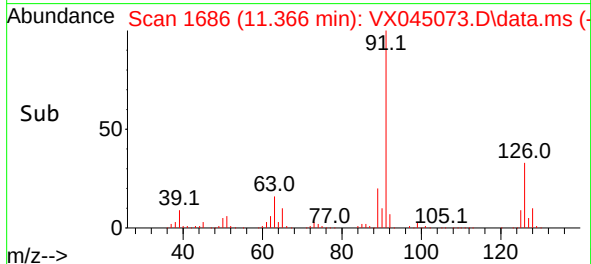
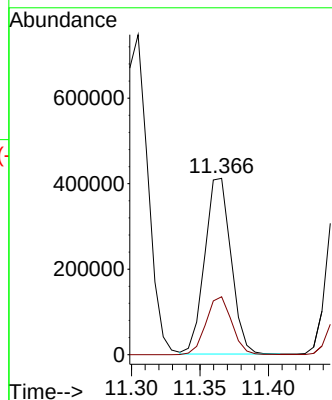
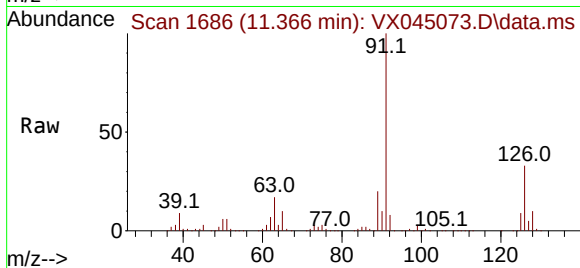




#79
2-Chlorotoluene
Concen: 141.695 ug/l
RT: 11.366 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

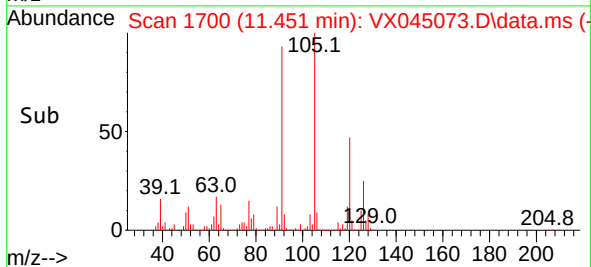
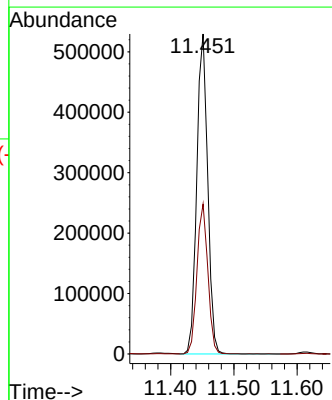
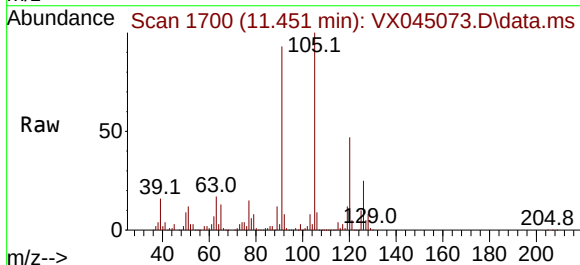
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

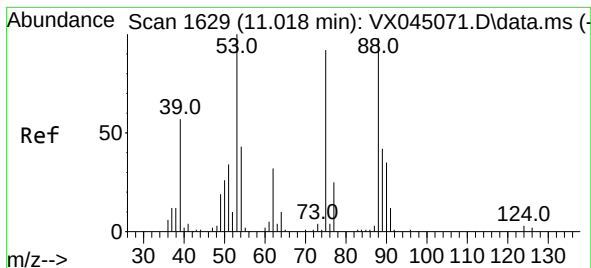
Tgt Ion: 91 Resp: 548695
Ion Ratio Lower Upper
91 100
126 32.4 16.4 49.4



#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

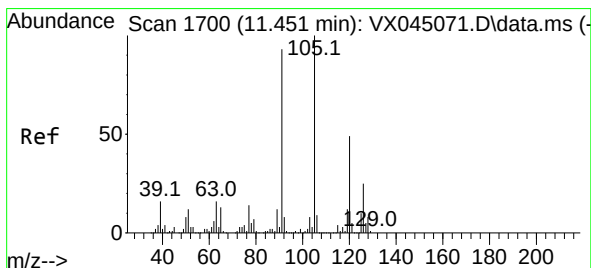
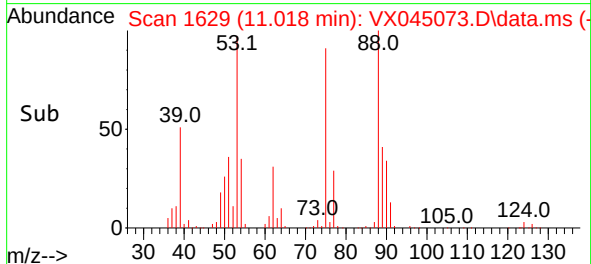
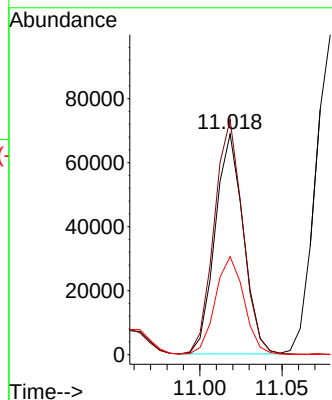
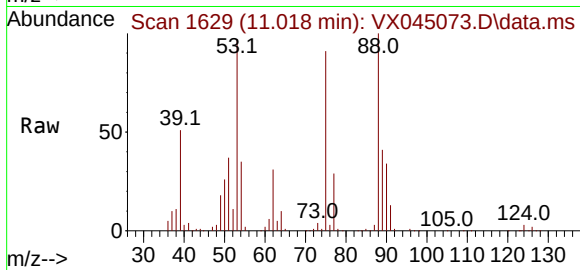




#81
trans-1,4-Dichloro-2-butene
Concen: 147.761 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

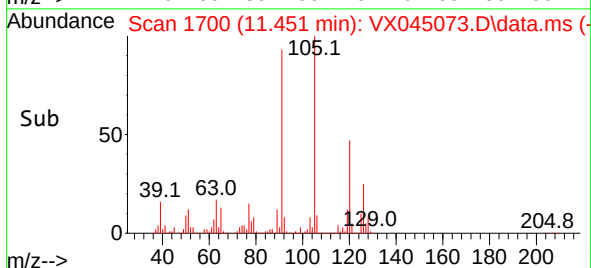
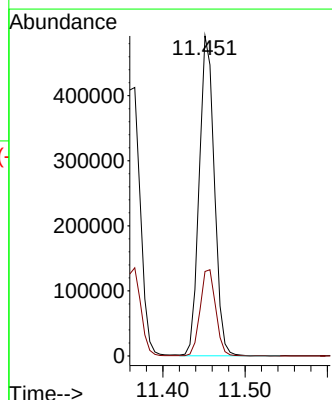
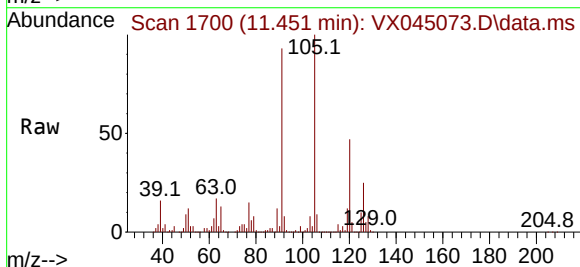
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

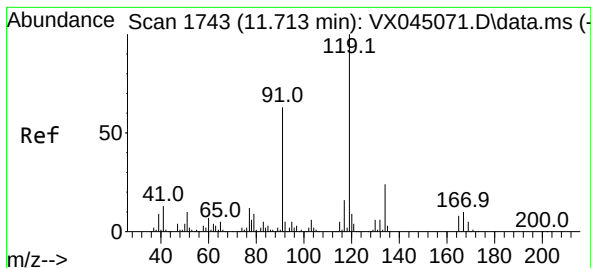
Tgt Ion: 75 Resp: 82267
Ion Ratio Lower Upper
75 100
53 107.7 88.5 132.7
89 45.2 36.2 54.4



#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# 1

Delta R.T. -0.000 min

Lab File: VX045073.D

Acq: 28 Feb 2025 03:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

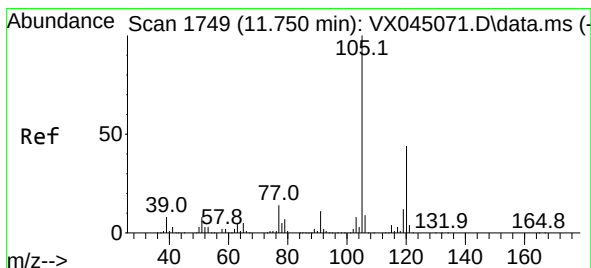
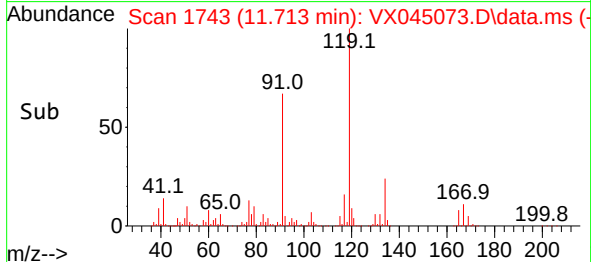
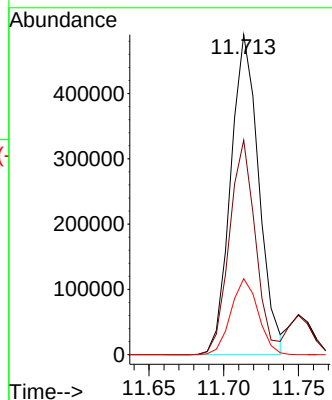
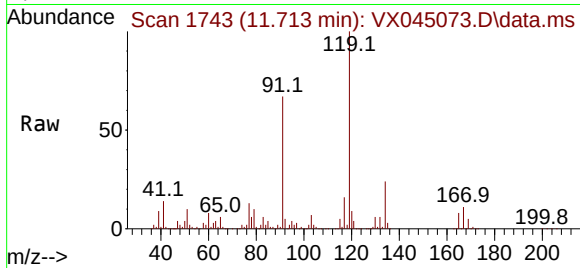
Tgt Ion:119 Resp: 641713

Ion Ratio Lower Upper

119 100

91 62.5 30.7 92.1

134 23.0 11.7 35.0



#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

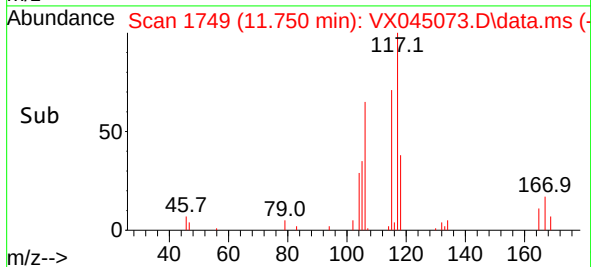
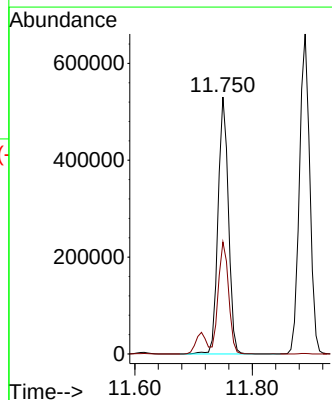
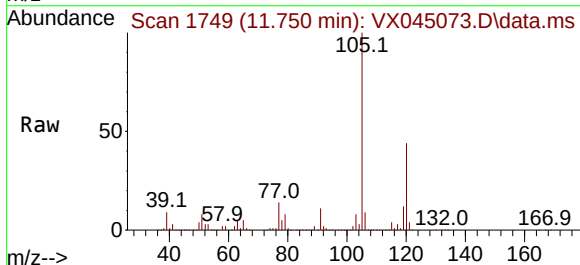
Acq: 28 Feb 2025 03:47

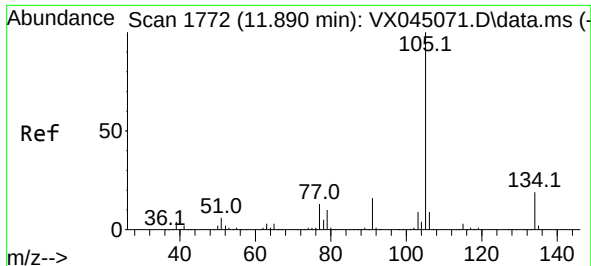
Tgt Ion:105 Resp: 647248

Ion Ratio Lower Upper

105 100

120 43.8 22.1 66.1

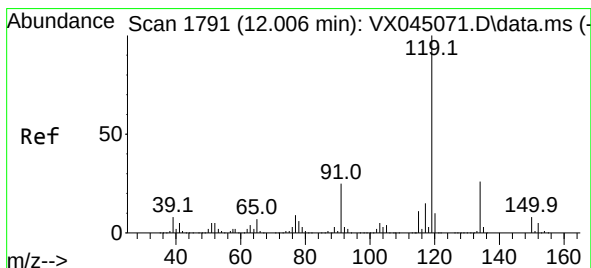
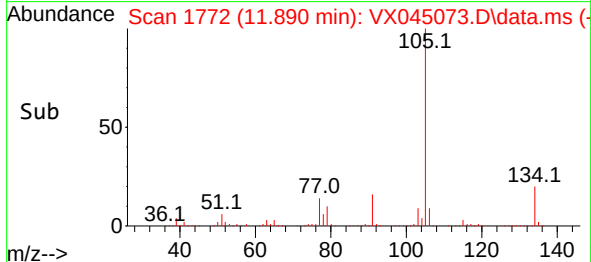
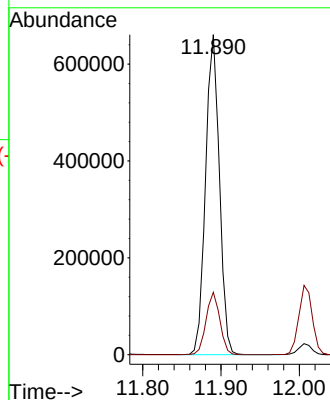
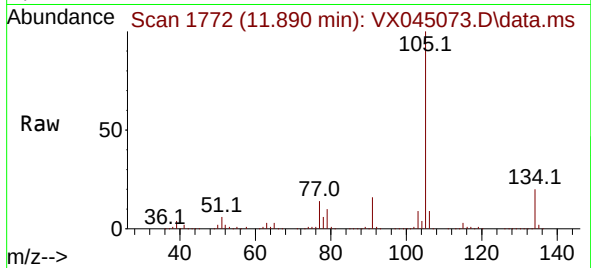




#85
 sec-Butylbenzene
 Concen: 145.383 ug/l
 RT: 11.890 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045073.D
 Acq: 28 Feb 2025 03:47

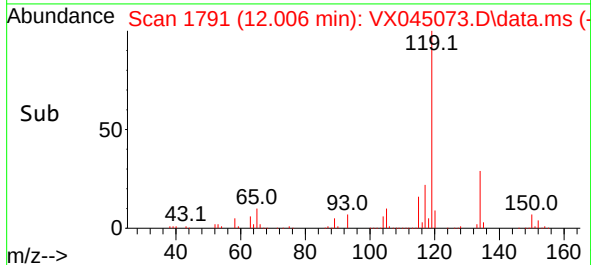
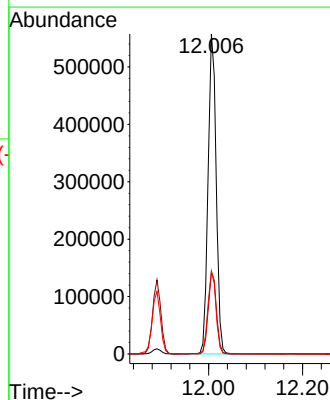
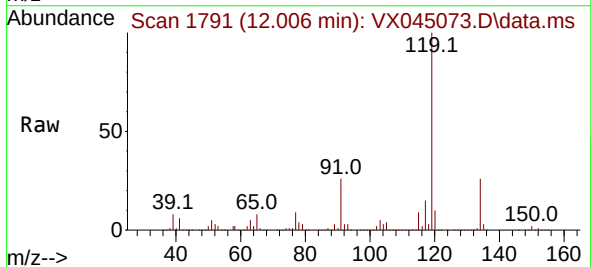
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

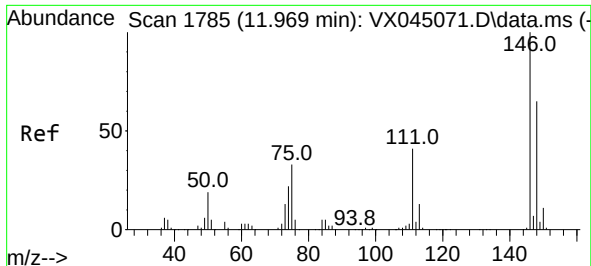
Tgt Ion:105 Resp: 807713
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.4



#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

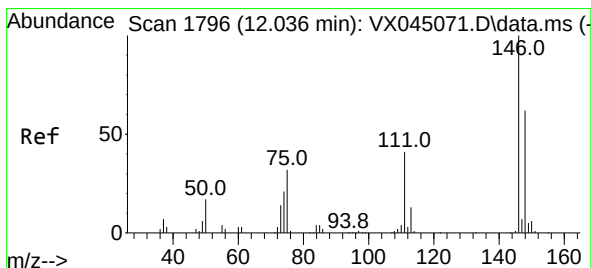
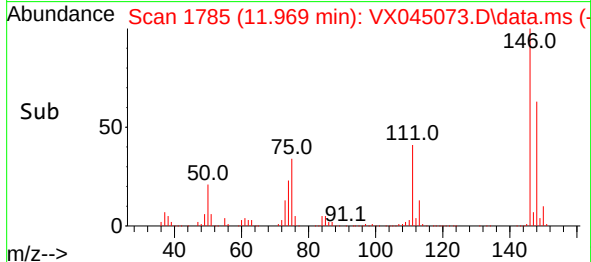
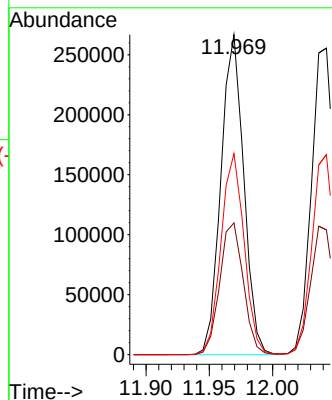
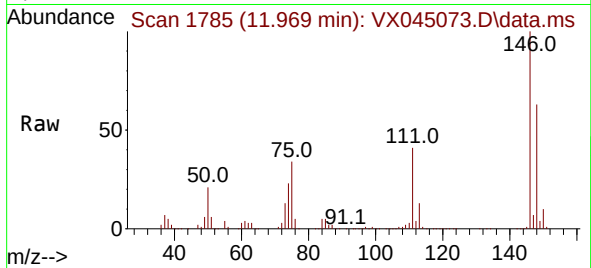




#87
1,3-Dichlorobenzene
Concen: 147.488 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

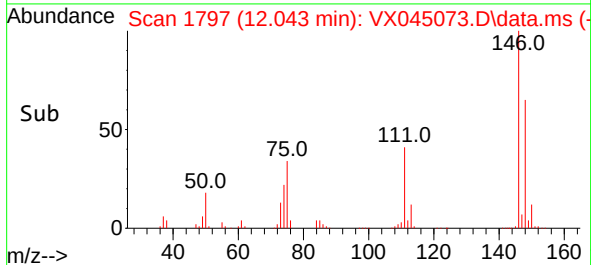
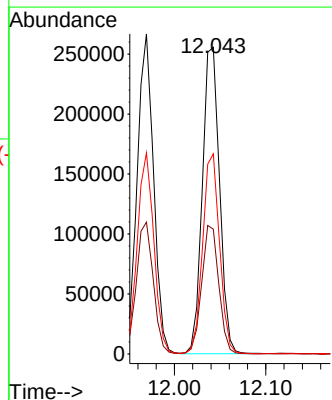
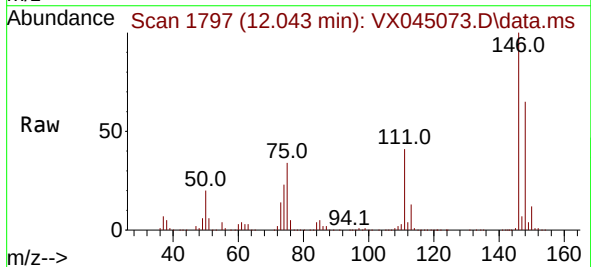
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

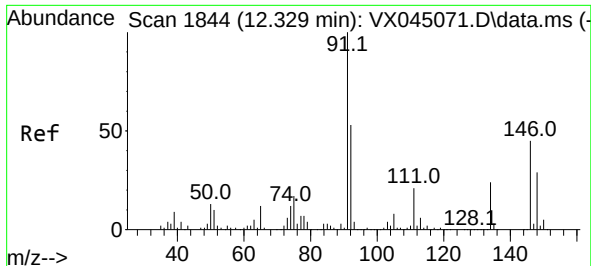
Tgt Ion:146 Resp: 334751
Ion Ratio Lower Upper
146 100
111 42.7 21.1 63.4
148 63.6 31.9 95.7



#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 :

VSTDICC150

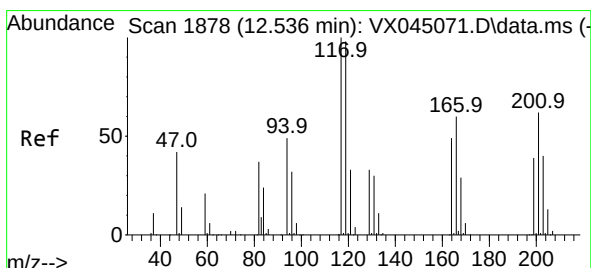
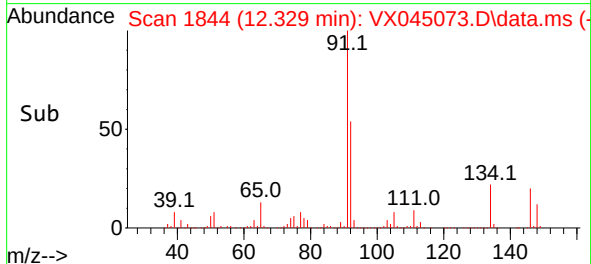
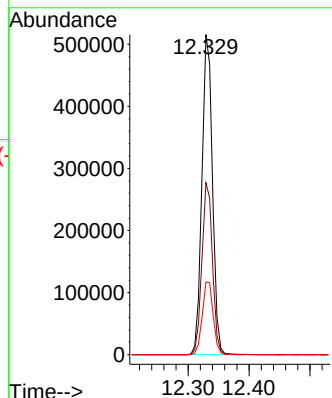
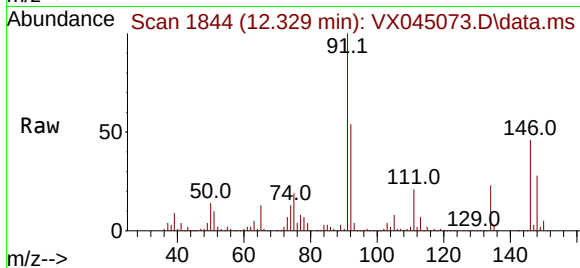
Tgt Ion: 91 Resp: 620757

Ion Ratio Lower Upper

91 100

92 53.9 26.7 80.0

134 23.6 12.2 36.6



#90

Hexachloroethane

Concen: 154.554 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX045073.D

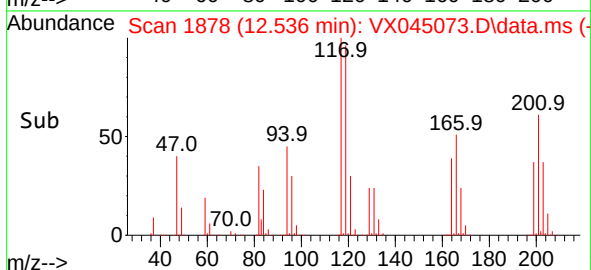
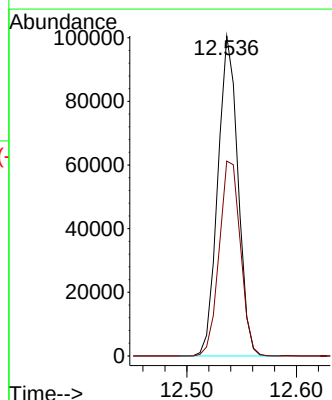
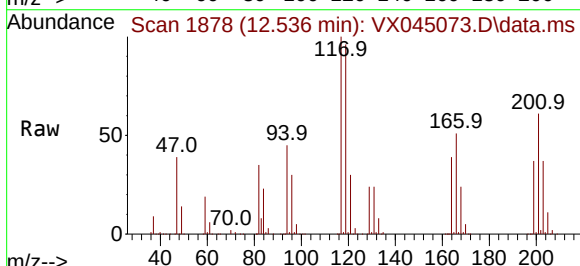
Acq: 28 Feb 2025 03:47

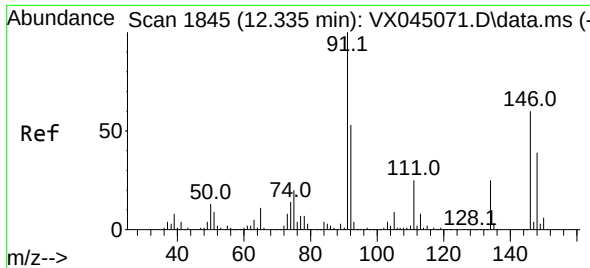
Tgt Ion: 117 Resp: 128582

Ion Ratio Lower Upper

117 100

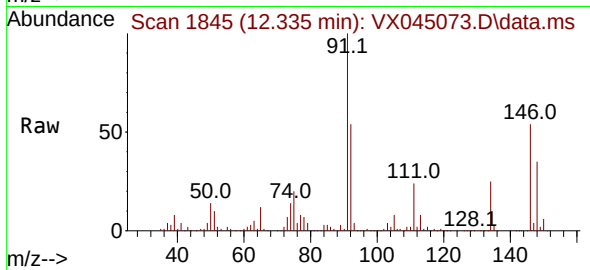
201 64.2 31.9 95.9



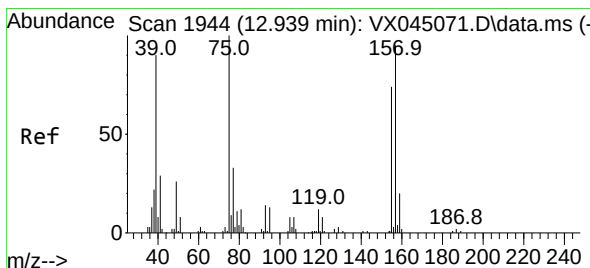
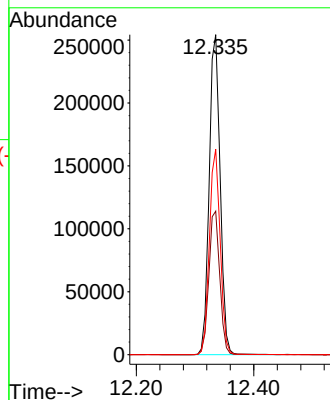
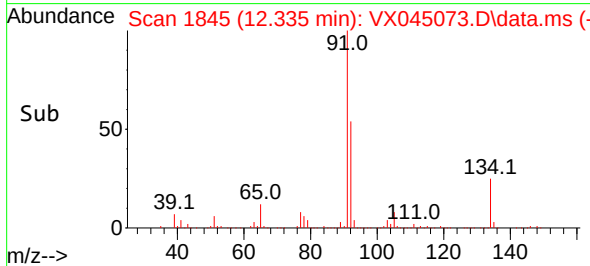


#91
1,2-Dichlorobenzene
Concen: 147.436 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

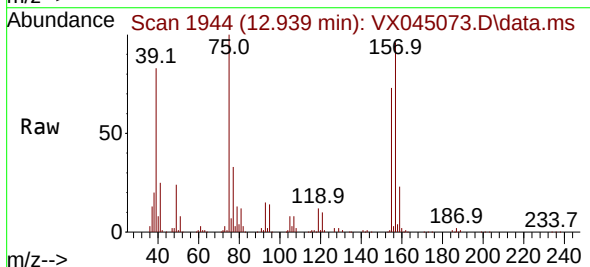
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150



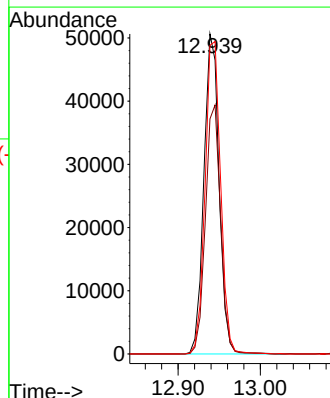
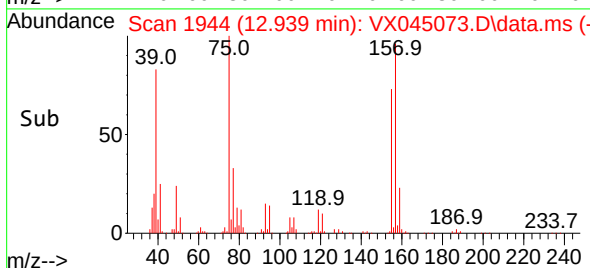
Tgt Ion:146 Resp: 329318
Ion Ratio Lower Upper
146 100
111 44.9 21.6 65.0
148 63.4 31.9 95.9

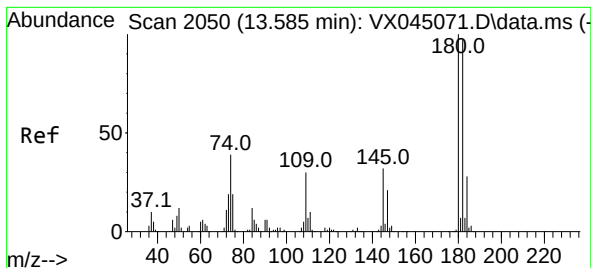


#92
1,2-Dibromo-3-Chloropropane
Concen: 186.240 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47



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

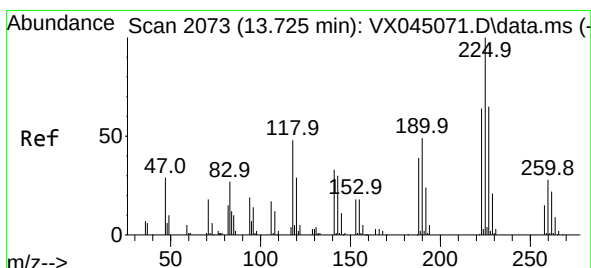
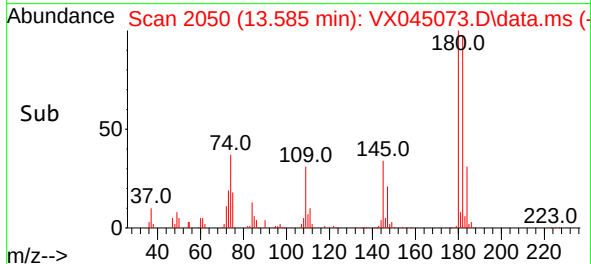
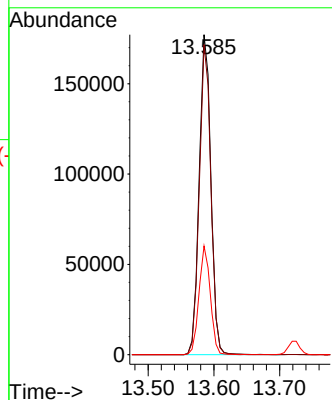
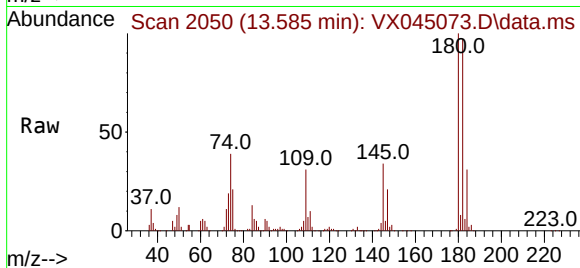
Tgt Ion:180 Resp: 219313

Ion Ratio Lower Upper

180 100

182 95.6 47.3 141.9

145 32.9 16.3 48.9



#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

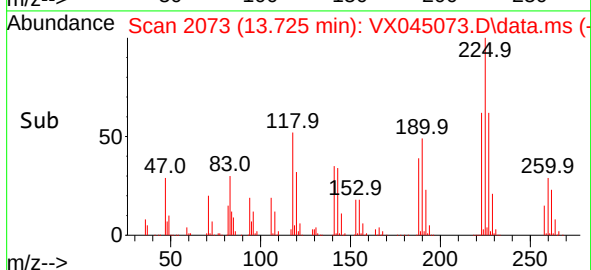
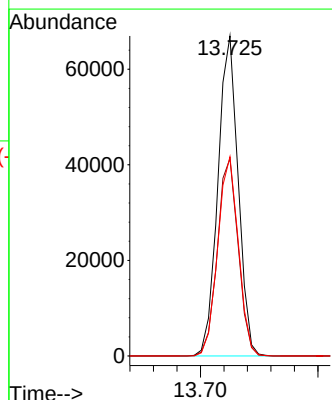
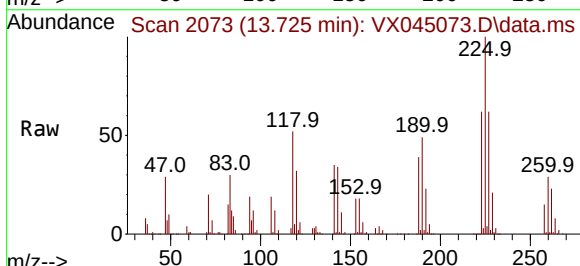
Tgt Ion:225 Resp: 80241

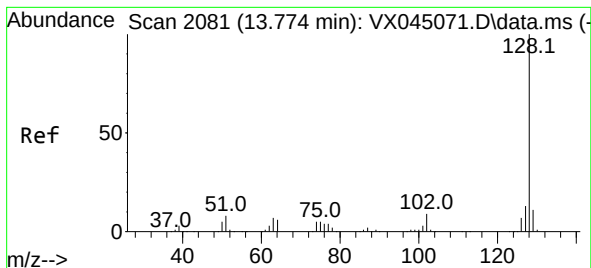
Ion Ratio Lower Upper

225 100

223 63.2 31.9 95.7

227 63.4 31.4 94.0

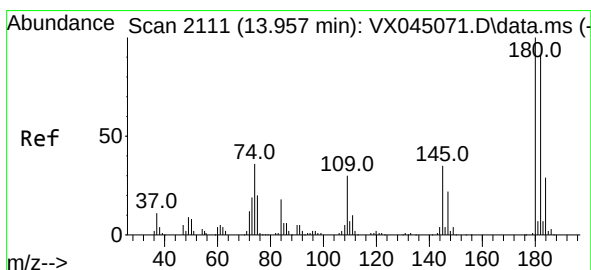
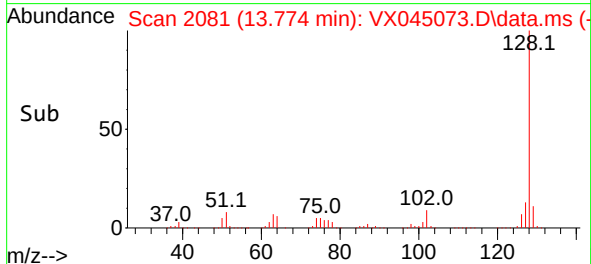
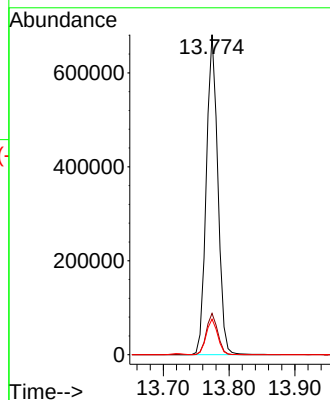
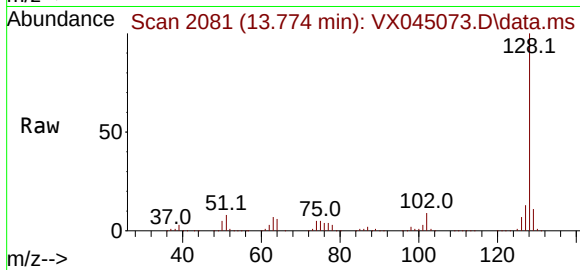




#95
Naphthalene
Concen: 168.538 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

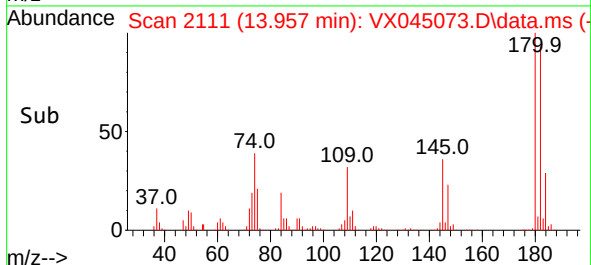
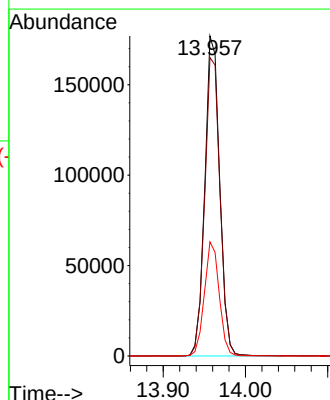
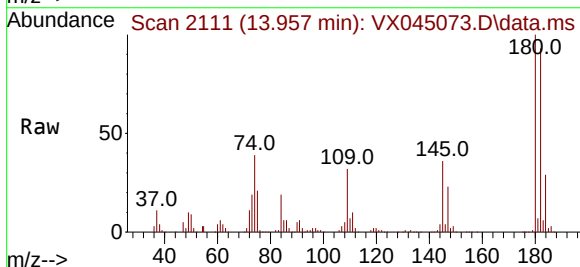
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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



#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

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

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	102821	63.694	ug/l	87
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

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

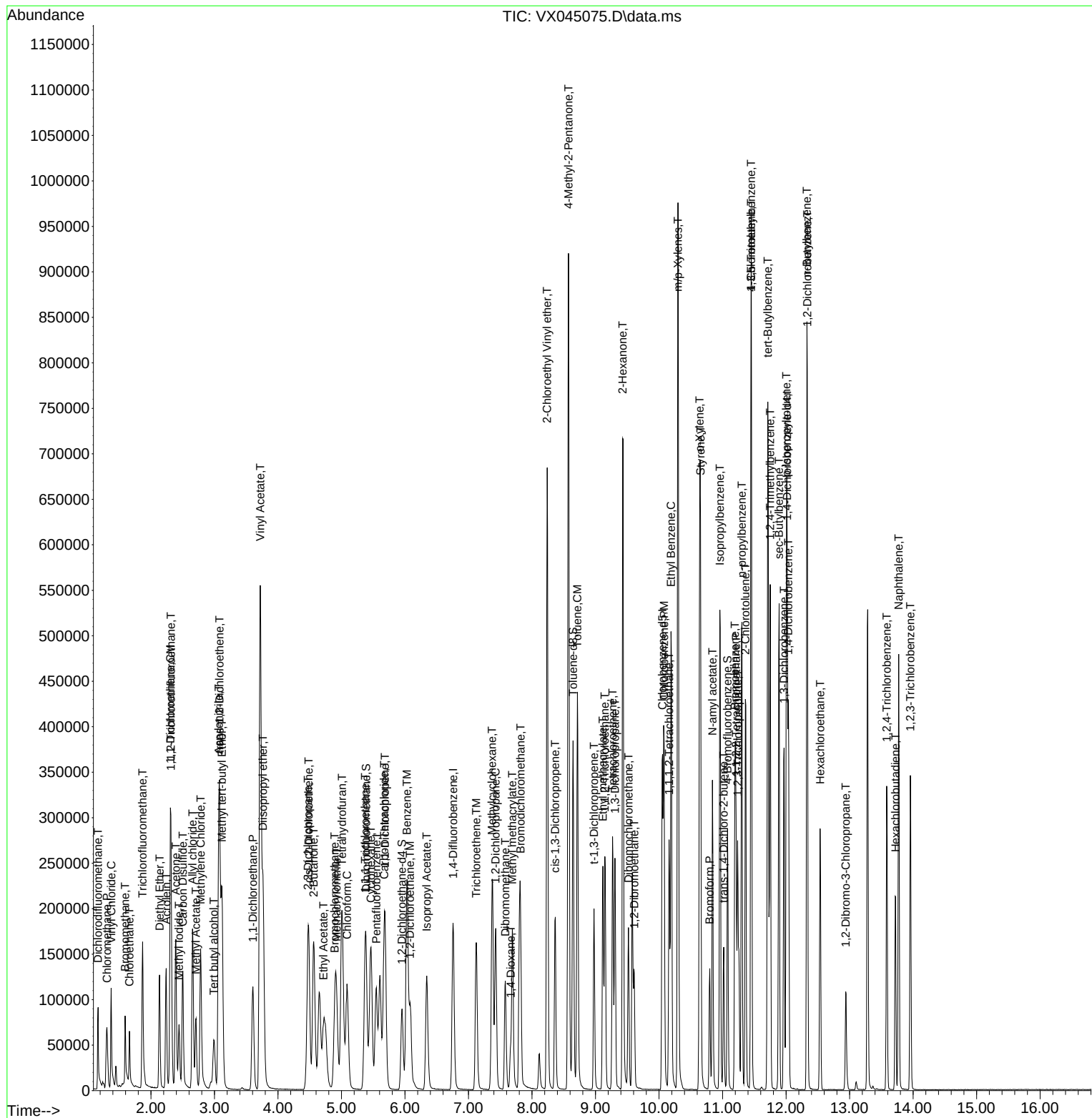
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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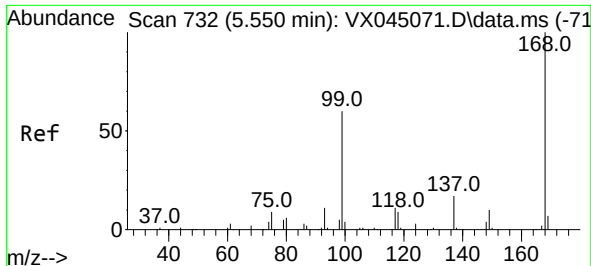
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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
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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

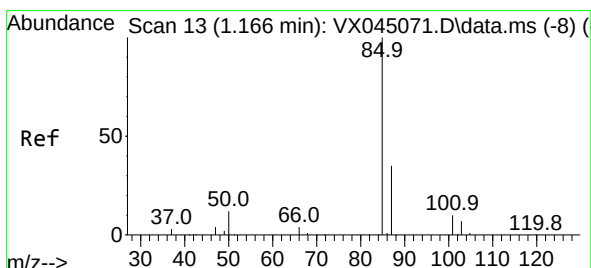
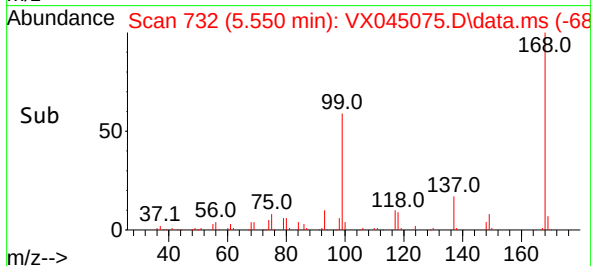
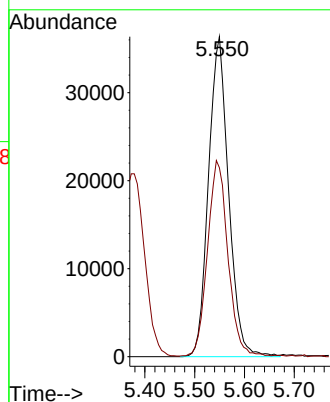
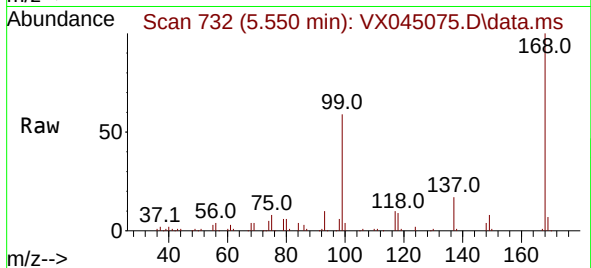




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

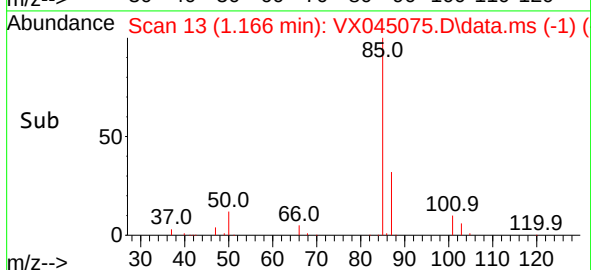
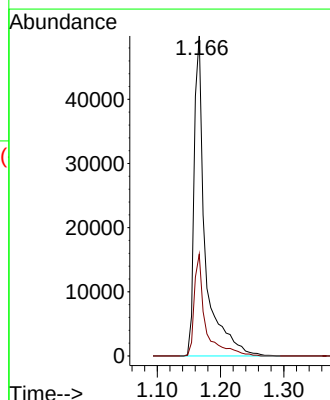
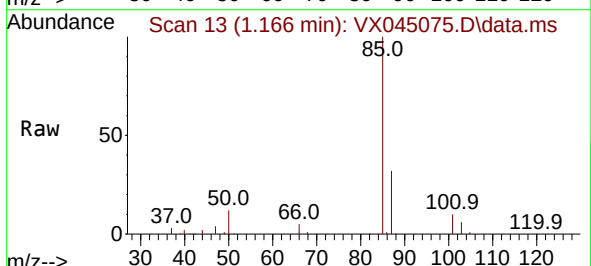
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

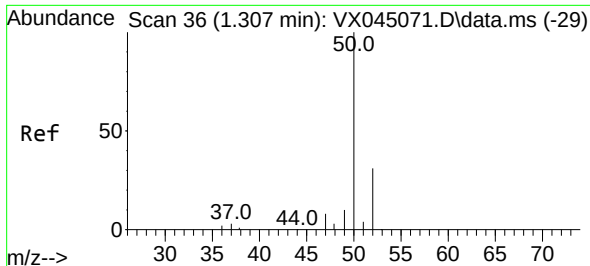
Tgt Ion:168 Resp: 101603
Ion Ratio Lower Upper
168 100
99 58.9 48.2 72.4



#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

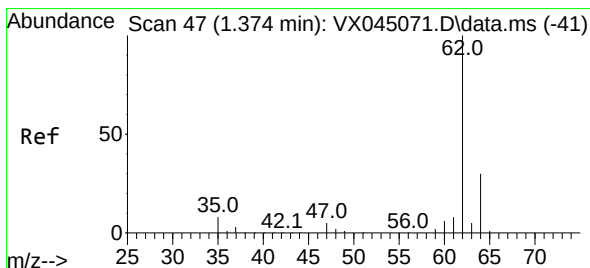
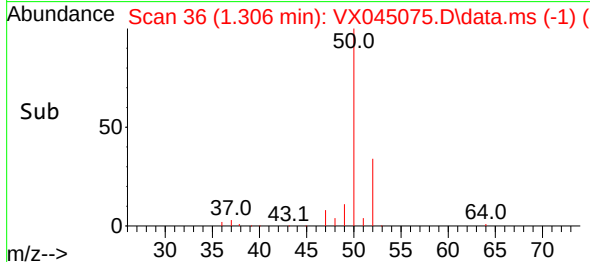
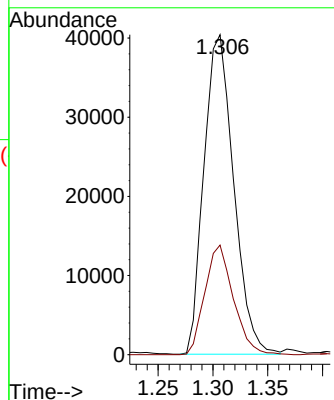
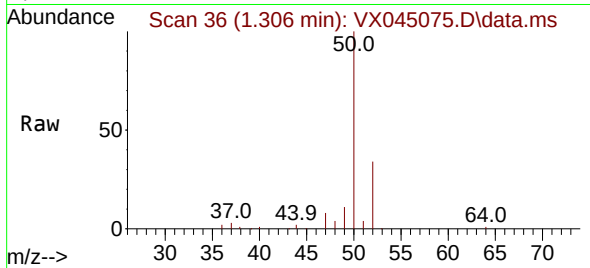




#3
Chloromethane
Concen: 48.696 ug/l
RT: 1.306 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

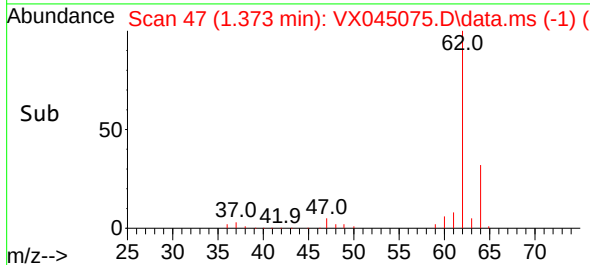
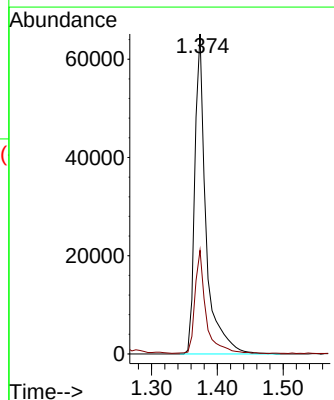
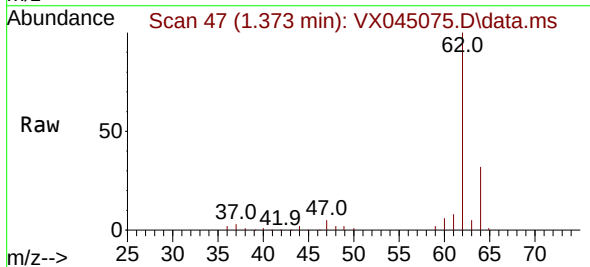
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

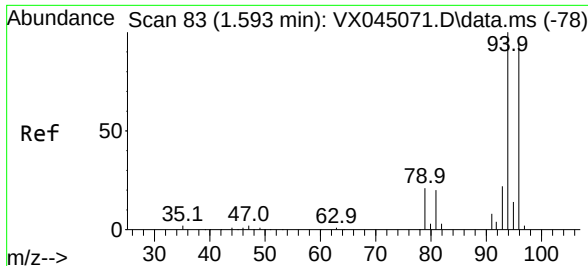
Tgt Ion: 50 Resp: 76216
Ion Ratio Lower Upper
50 100
52 34.3 25.0 37.4



#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

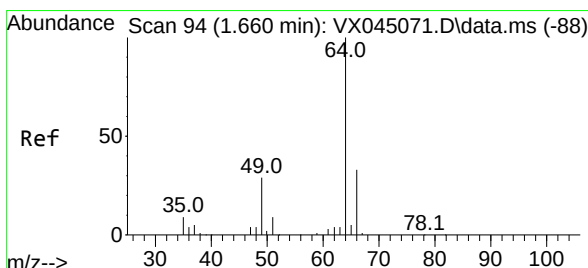
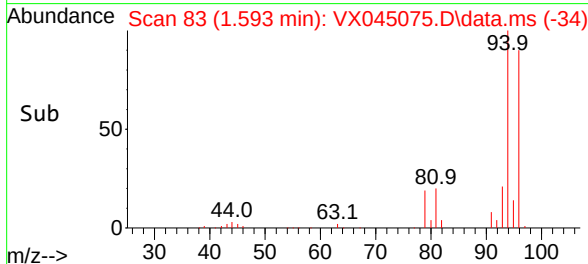
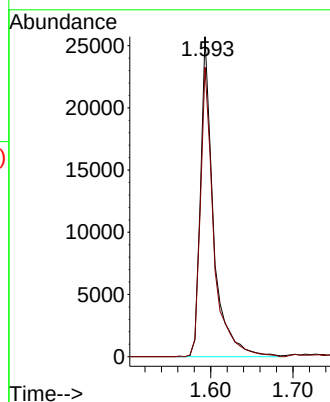
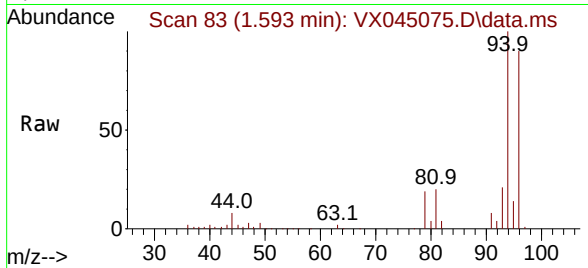




#5
Bromomethane
Concen: 46.190 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

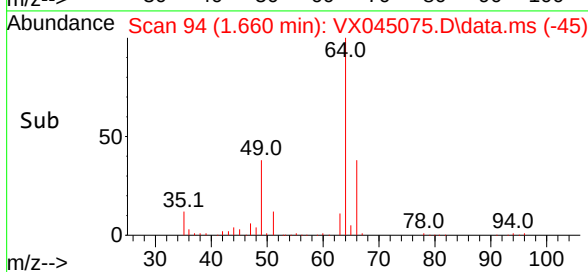
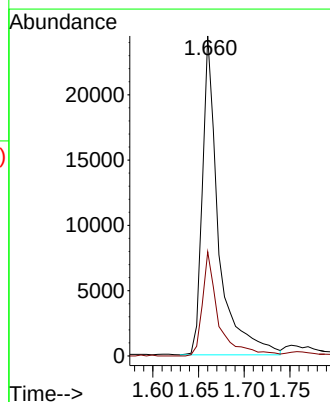
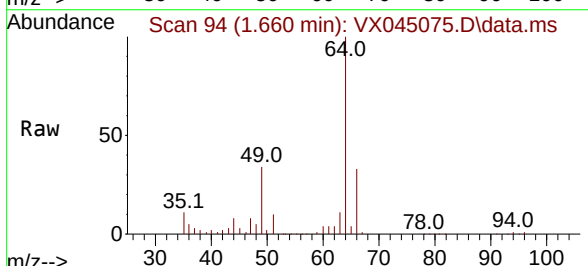
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

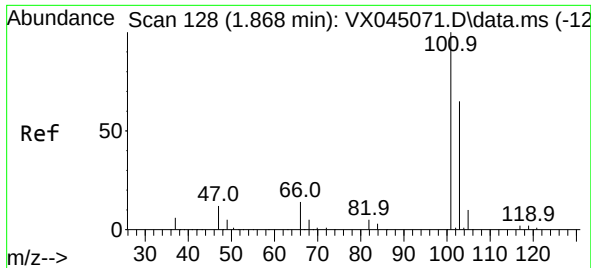
Tgt Ion: 94 Resp: 28193
Ion Ratio Lower Upper
94 100
96 90.5 75.0 112.4



#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

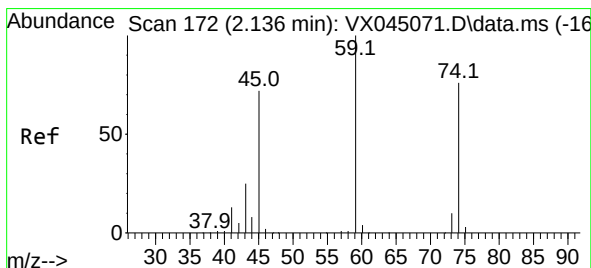
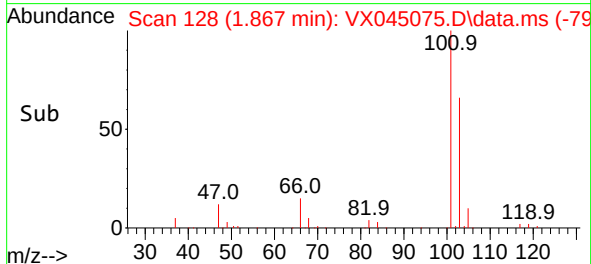
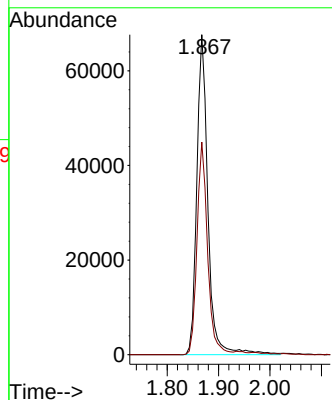
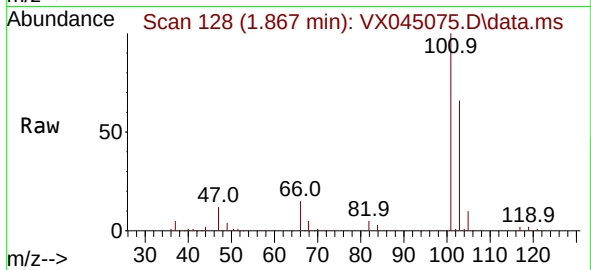




#7
Trichlorofluoromethane
Concen: 49.569 ug/l
RT: 1.867 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

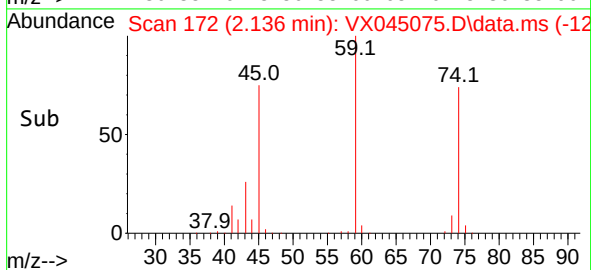
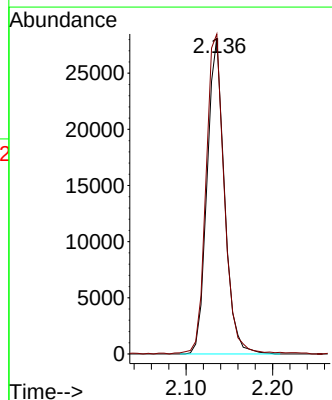
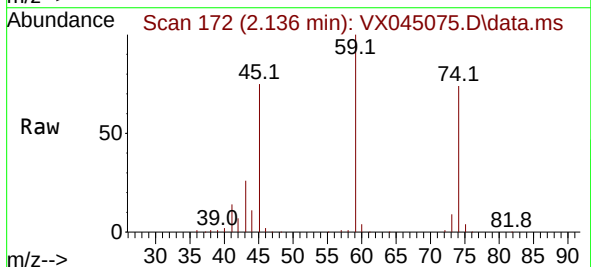
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

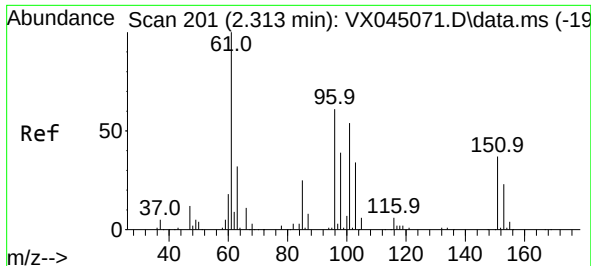
Tgt Ion:101 Resp: 101886
Ion Ratio Lower Upper
101 100
103 66.4 52.1 78.1



#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

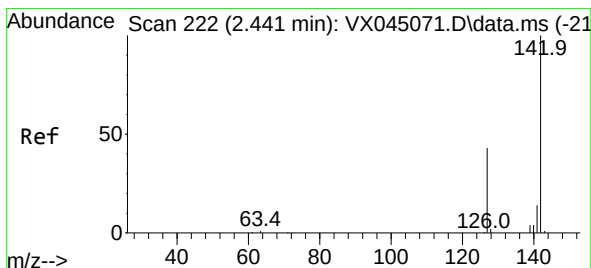
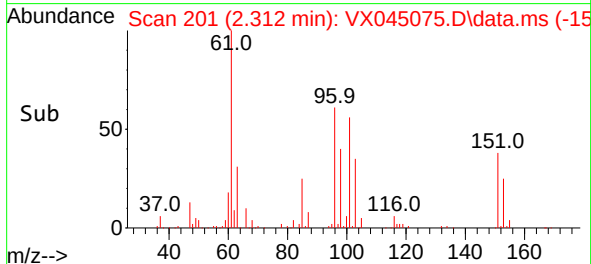
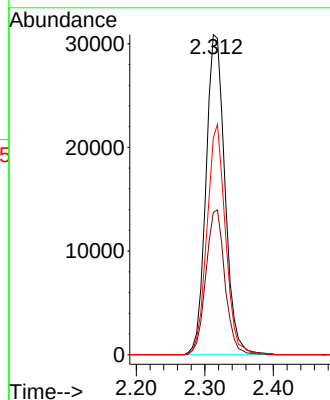
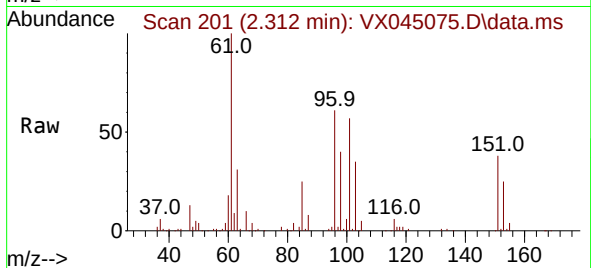




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.367 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

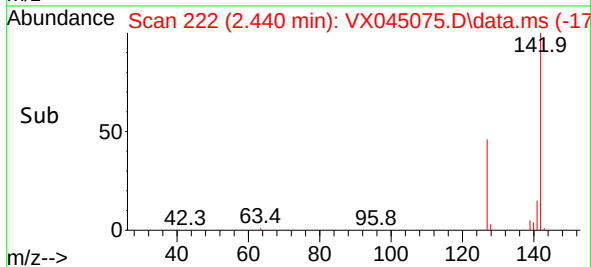
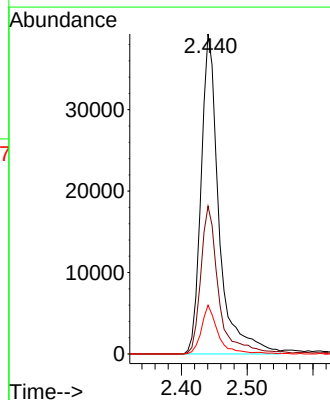
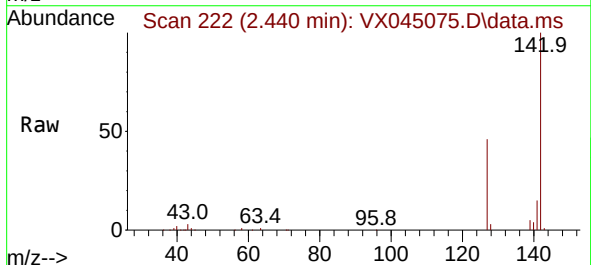
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

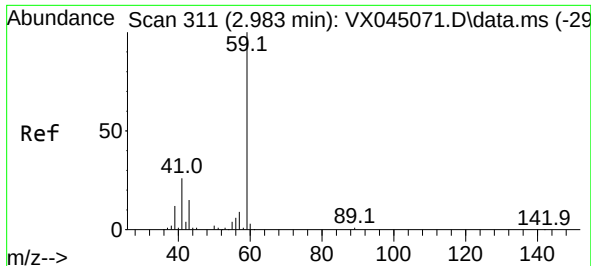
Tgt Ion:101 Resp: 59477
Ion Ratio Lower Upper
101 100
85 45.4 36.2 54.4
151 70.2 56.4 84.6



#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

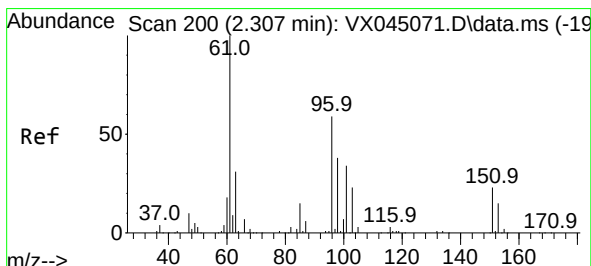
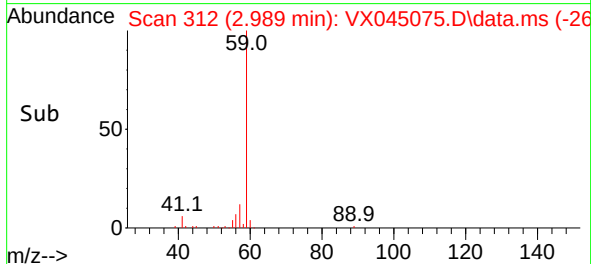
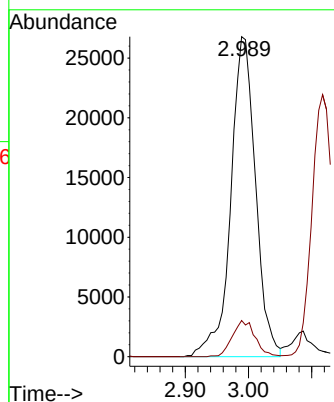
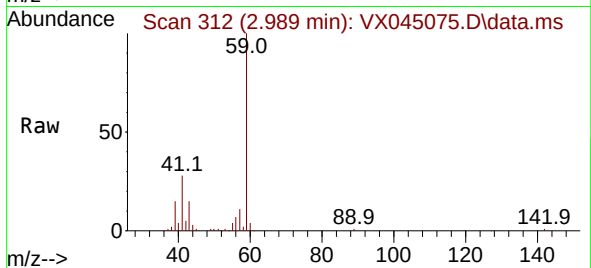




#11
Tert butyl alcohol
Concen: 238.577 ug/l
RT: 2.989 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

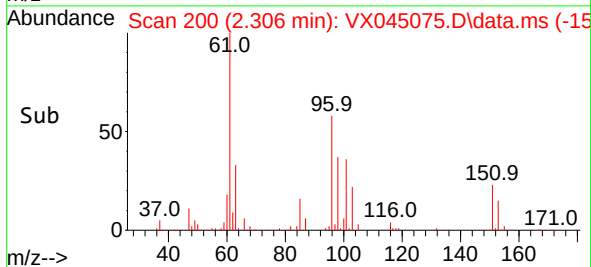
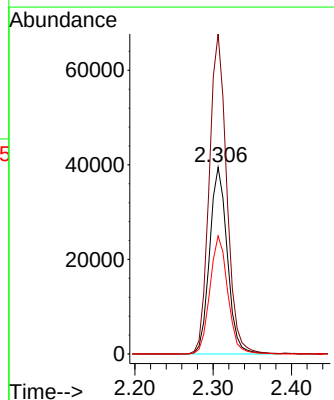
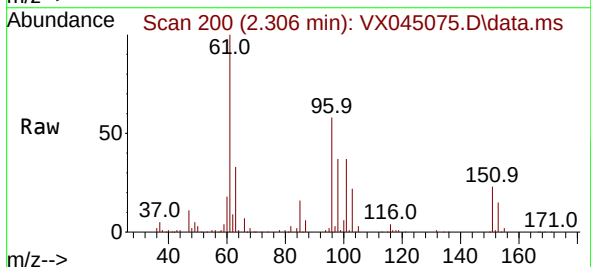
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

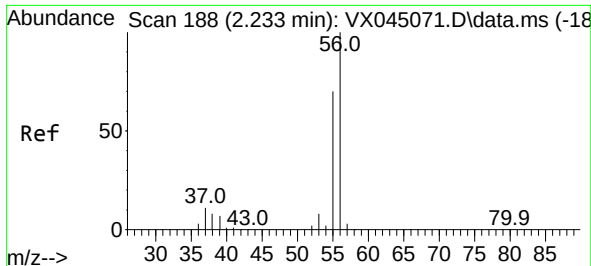
Tgt Ion: 59 Resp: 73034
Ion Ratio Lower Upper
59 100
57 10.4 7.8 11.8



#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

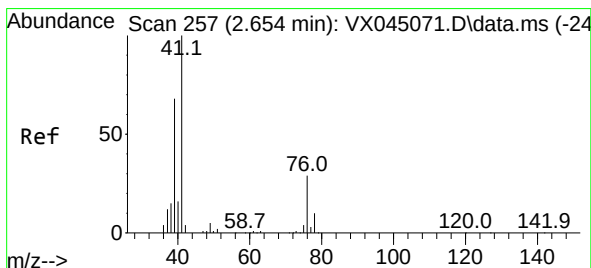
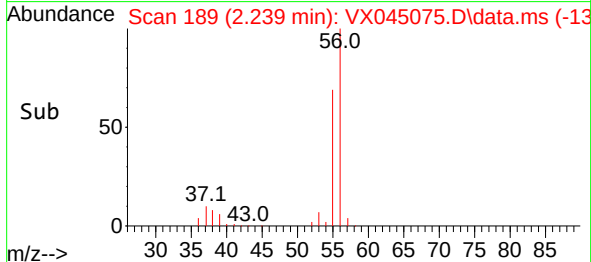
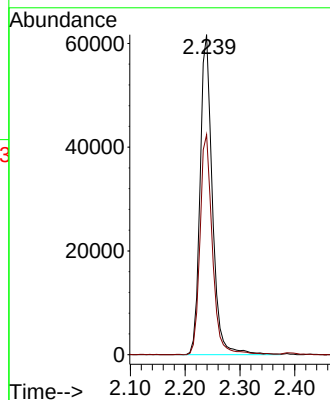
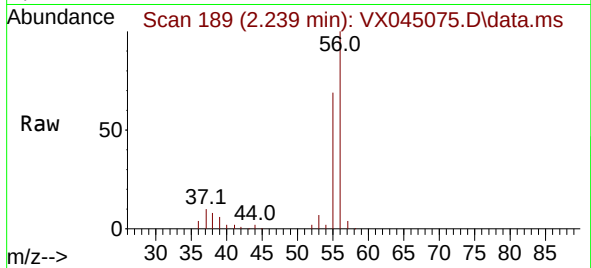




#13
Acrolein
Concen: 271.255 ug/l
RT: 2.239 min Scan# 188
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

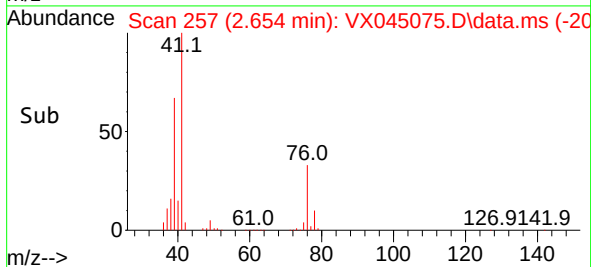
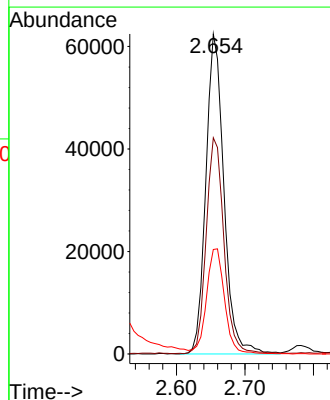
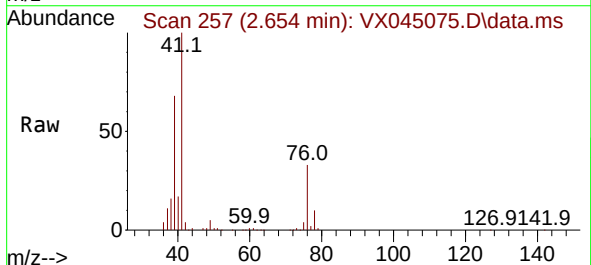
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

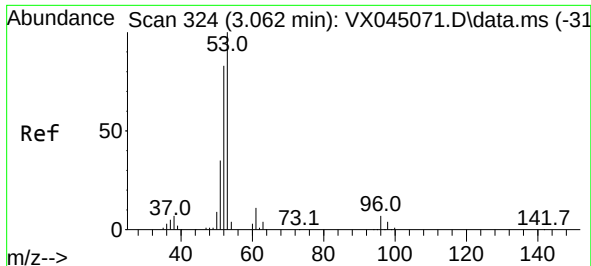
Tgt Ion: 56 Resp: 95989
Ion Ratio Lower Upper
56 100
55 69.5 56.2 84.4



#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

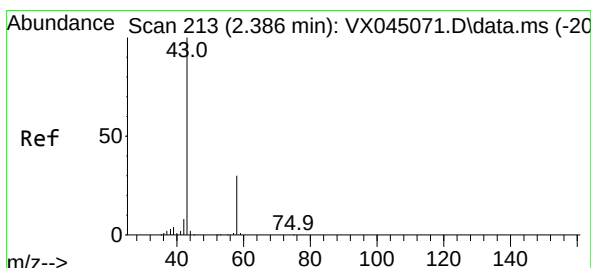
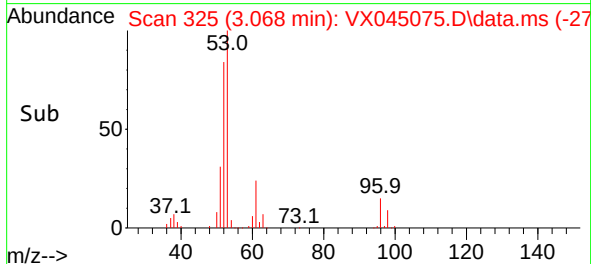
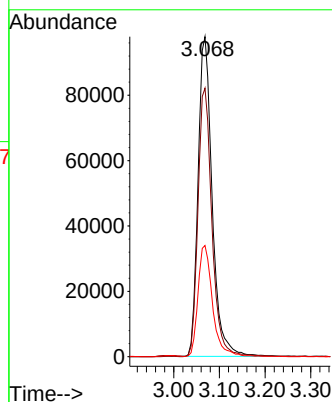
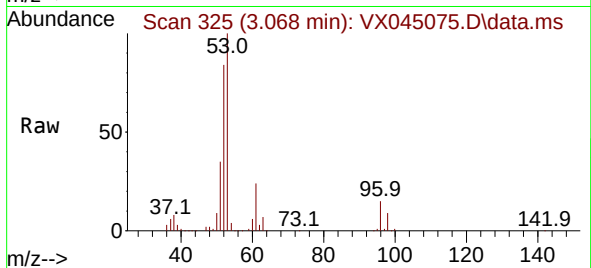




#15
Acrylonitrile
Concen: 255.479 ug/l
RT: 3.068 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

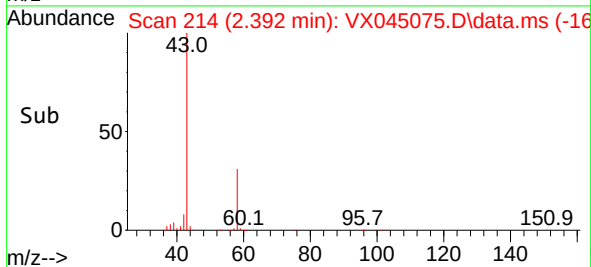
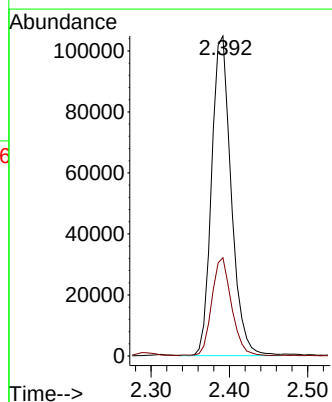
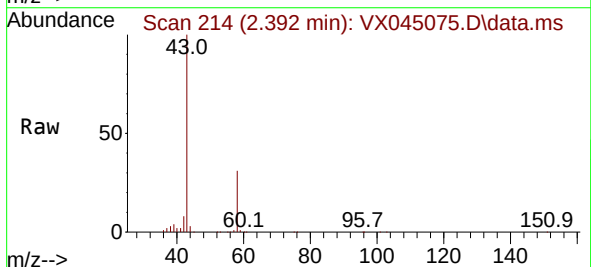
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

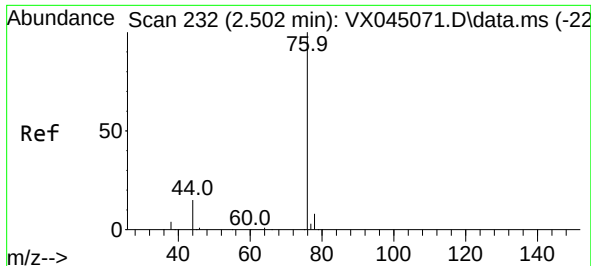
Tgt Ion: 53	Resp: 209607
Ion Ratio	Lower Upper
53 100	
52 83.8	66.2 99.2
51 35.8	29.0 43.4



#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

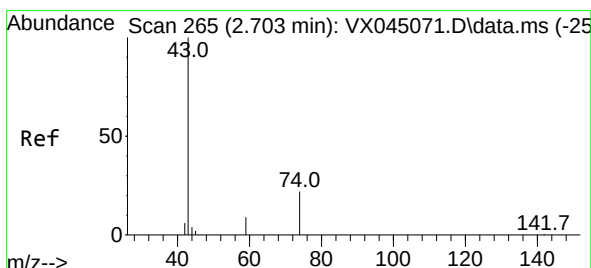
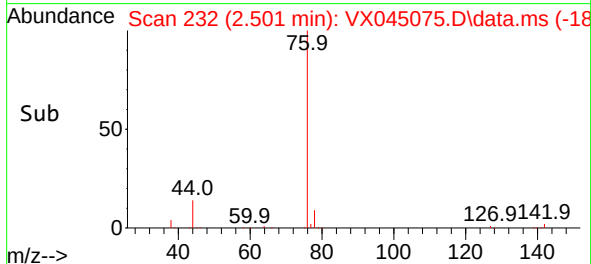
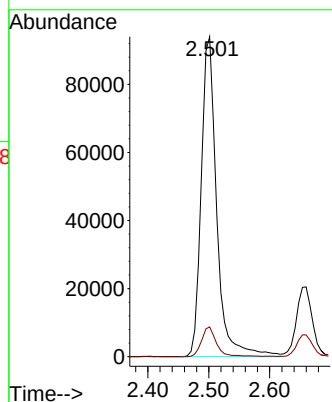
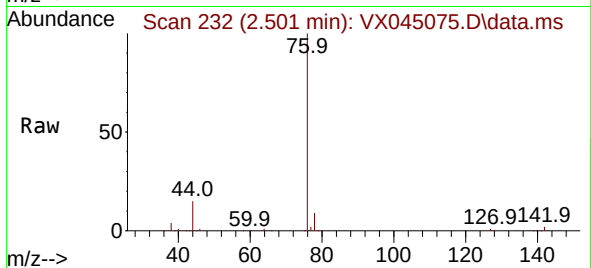




#17
Carbon Disulfide
Concen: 49.952 ug/l
RT: 2.501 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

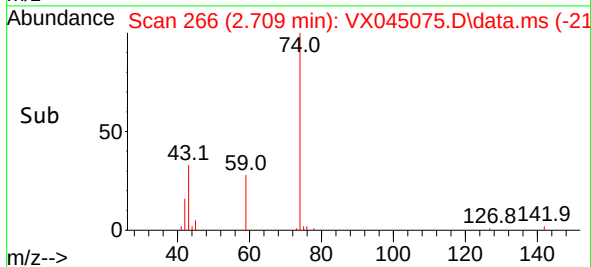
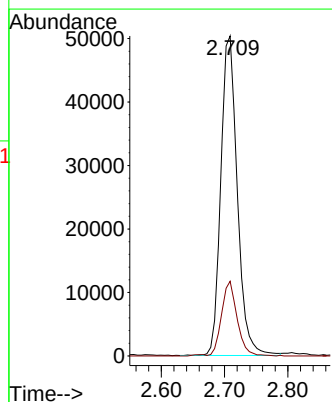
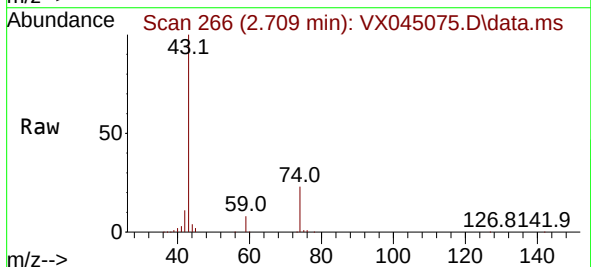
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

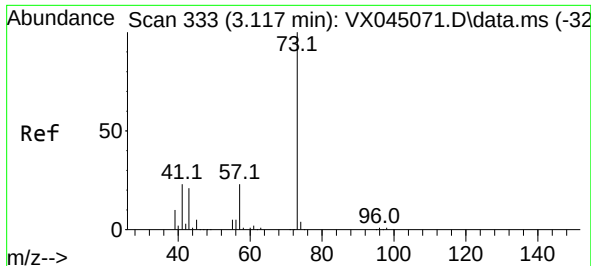
Tgt Ion: 76 Resp: 166105
Ion Ratio Lower Upper
76 100
78 9.3 6.6 9.8



#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

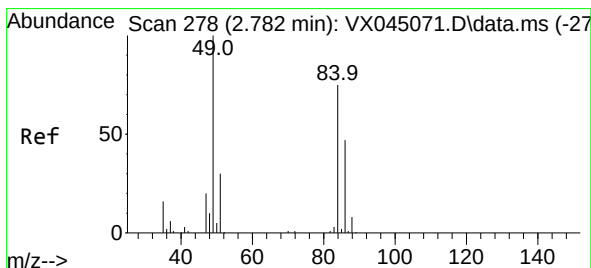
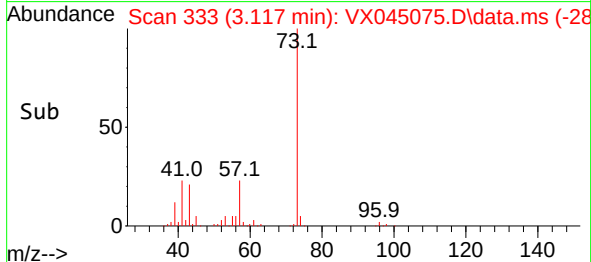
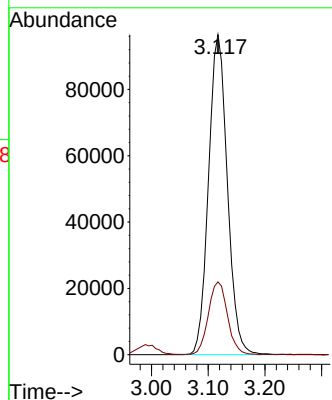
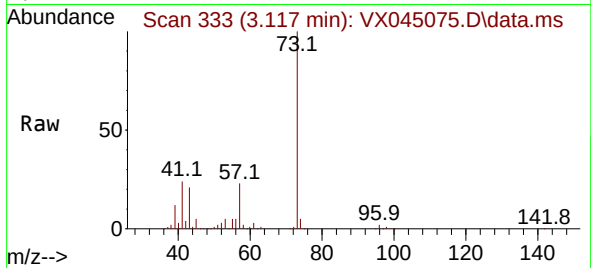




#19
Methyl tert-butyl Ether
Concen: 53.114 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

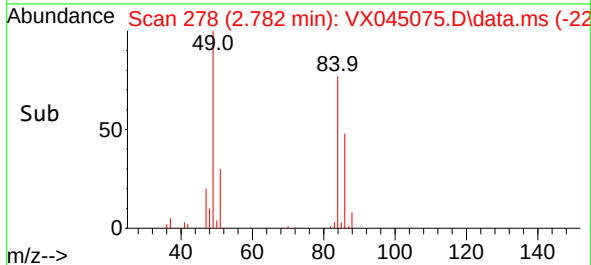
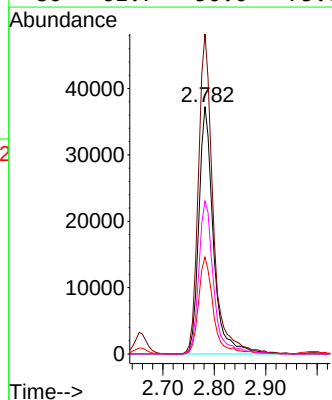
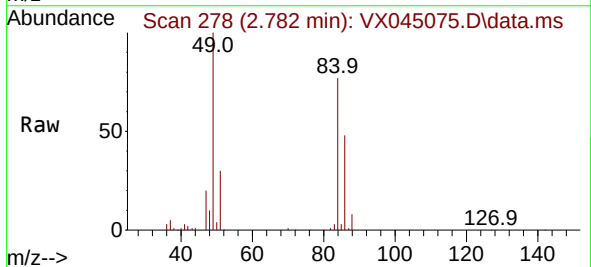
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

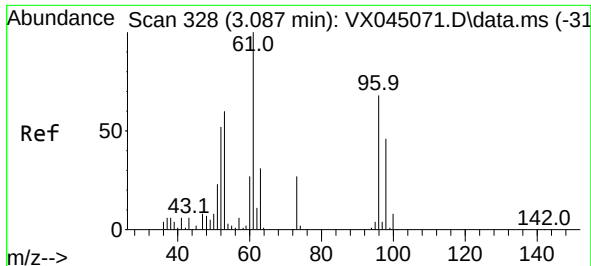
Tgt Ion: 73 Resp: 222475
Ion Ratio Lower Upper
73 100
57 22.7 18.5 27.7



#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

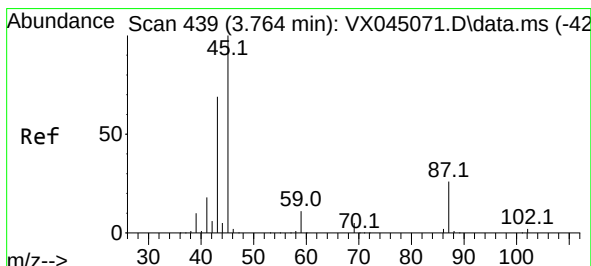
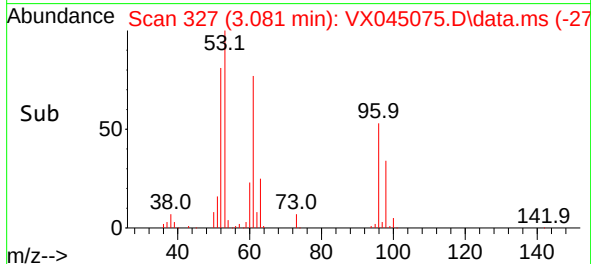
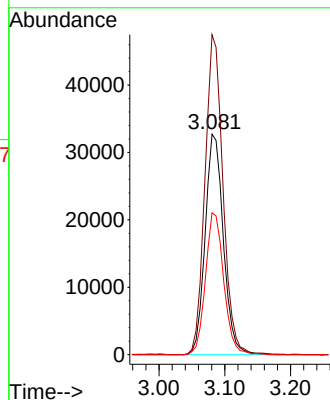
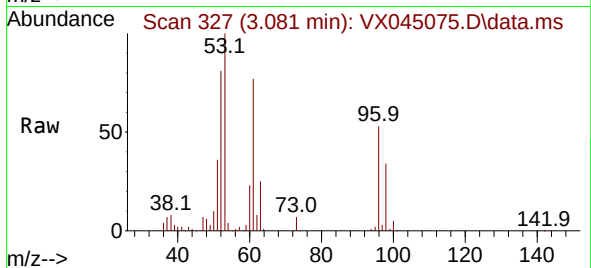




#21
trans-1,2-Dichloroethene
Concen: 51.172 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

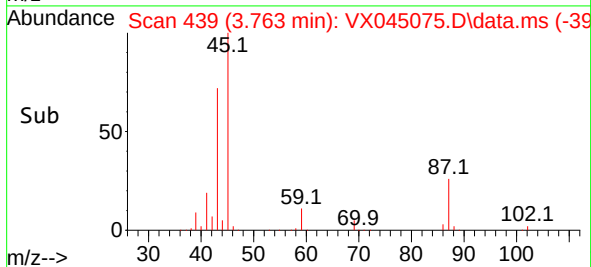
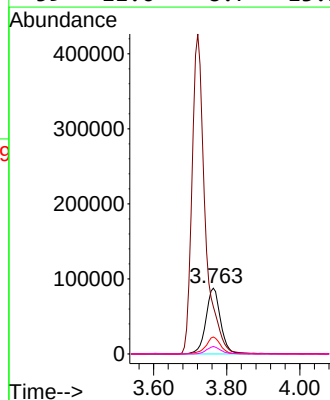
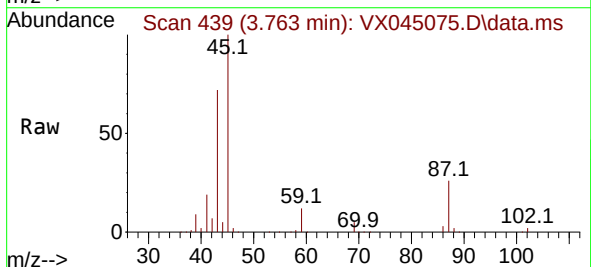
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

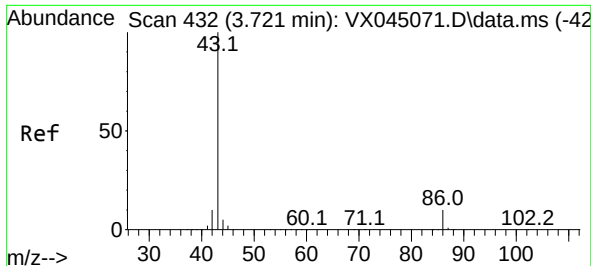
Tgt Ion: 96 Resp: 63117
Ion Ratio Lower Upper
96 100
61 145.2 117.0 175.4
98 64.4 53.4 80.2



#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

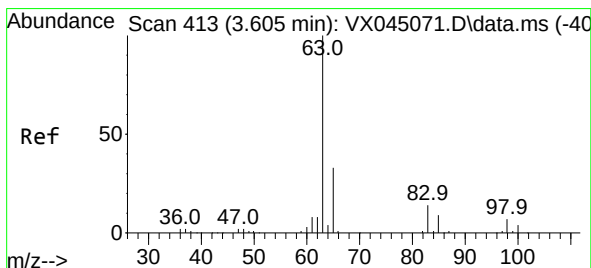
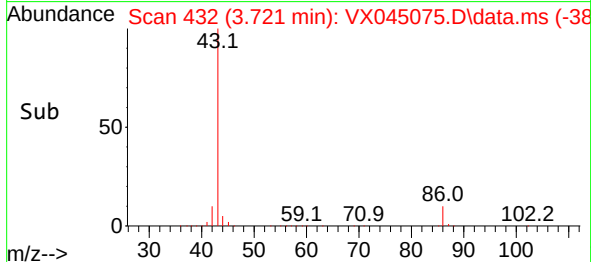
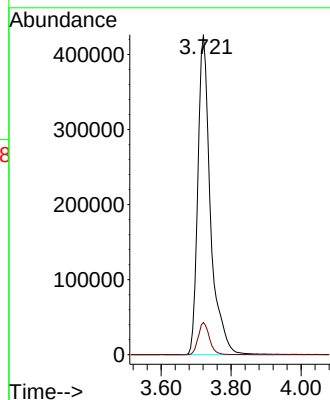
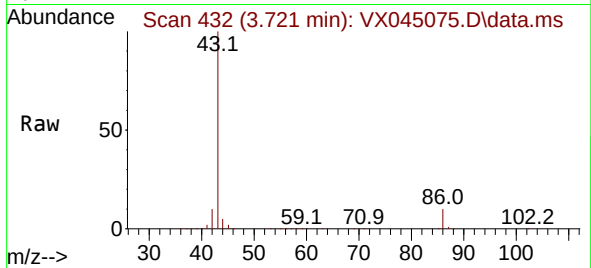




#23
 Vinyl Acetate
 Concen: 282.313 ug/l
 RT: 3.721 min Scan# 413
 Delta R.T. -0.000 min
 Lab File: VX045075.D
 Acq: 28 Feb 2025 04:33

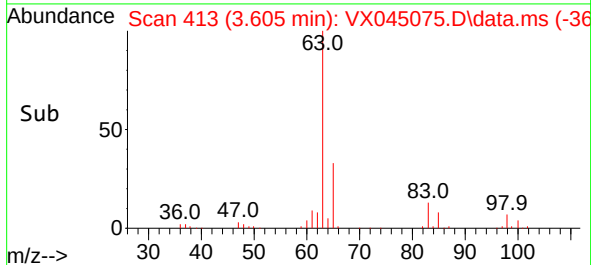
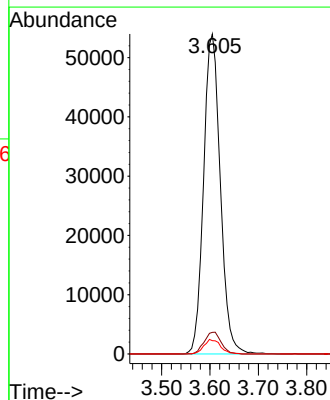
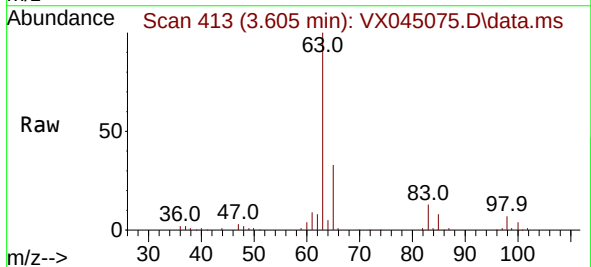
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX022825

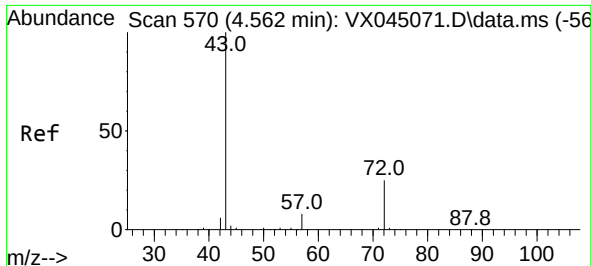
Tgt Ion: 43 Resp: 1064817
 Ion Ratio Lower Upper
 43 100
 86 10.0 8.1 12.1



#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

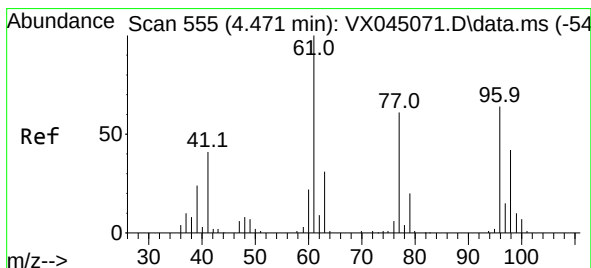
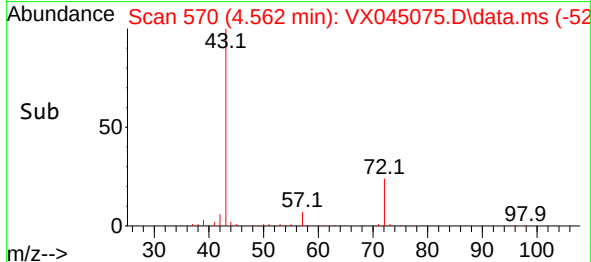
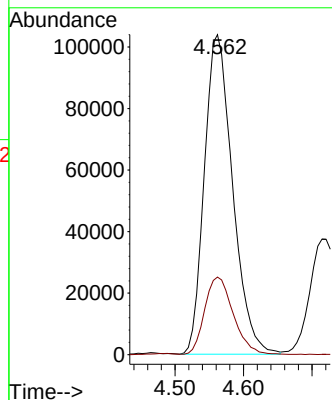
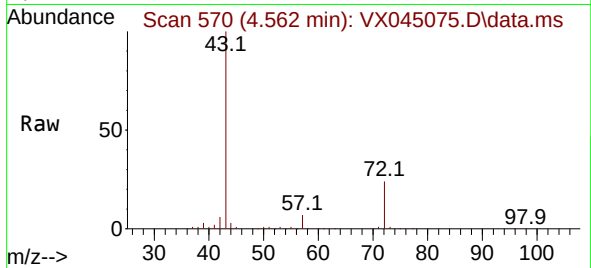




#25
2-Butanone
Concen: 264.040 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

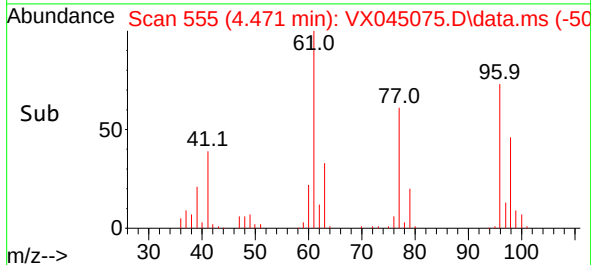
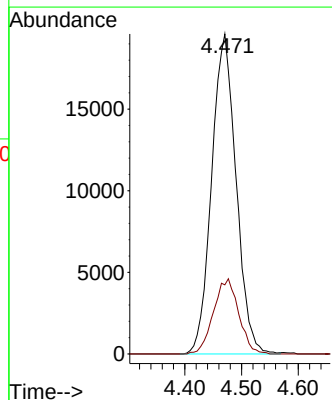
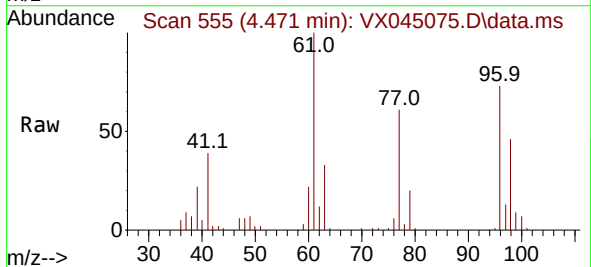
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

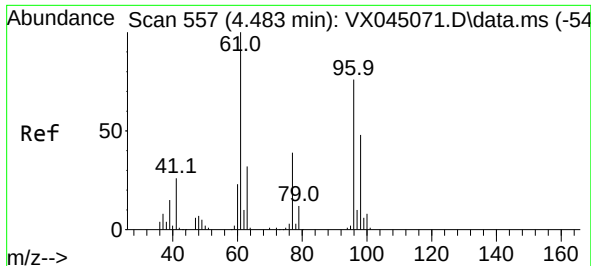
Tgt Ion: 43 Resp: 298021
Ion Ratio Lower Upper
43 100
72 24.1 20.0 30.0



#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



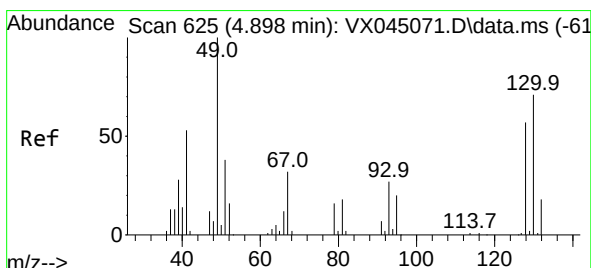
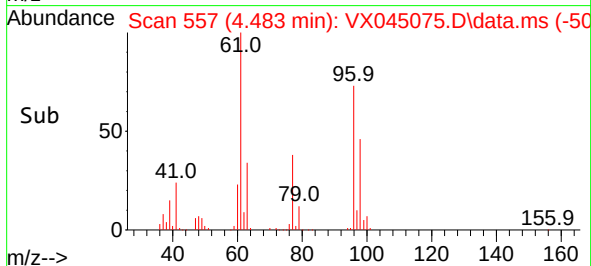
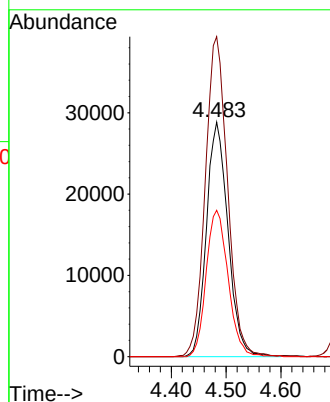
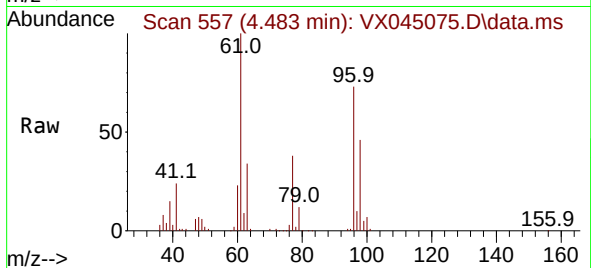


#27
 cis-1,2-Dichloroethene
 Concen: 51.606 ug/l
 RT: 4.483 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX045075.D
 Acq: 28 Feb 2025 04:33

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX022825

Tgt Ion: 96 Resp: 78576

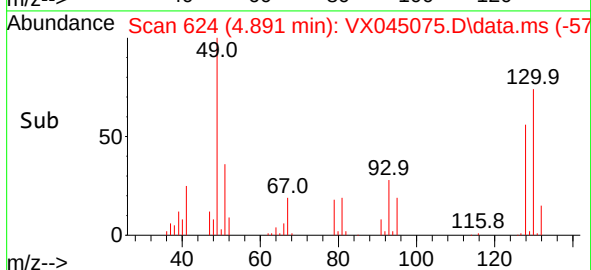
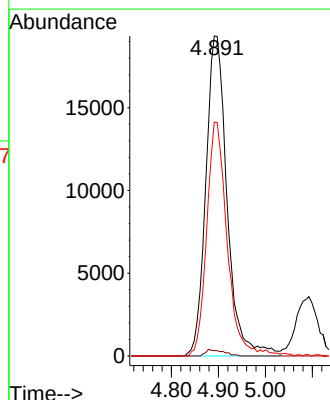
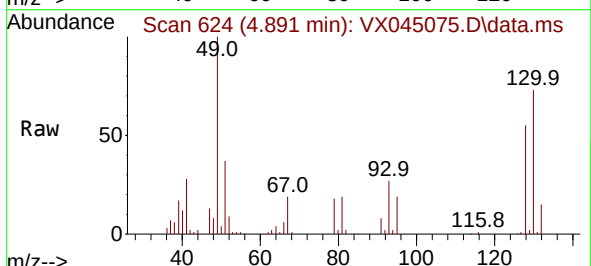
Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	283.2
98	63.8	0.0	128.0

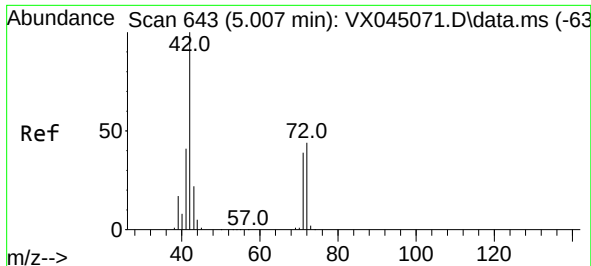


#28
 Bromochloromethane
 Concen: 50.399 ug/l
 RT: 4.891 min Scan# 624
 Delta R.T. -0.006 min
 Lab File: VX045075.D
 Acq: 28 Feb 2025 04:33

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

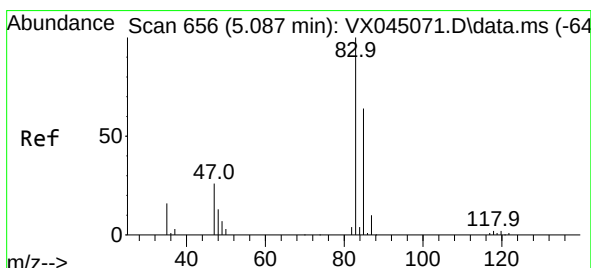
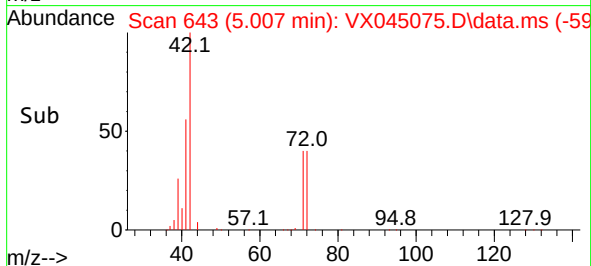
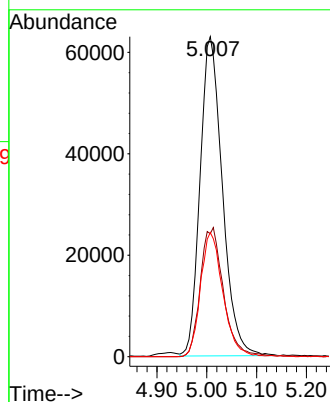
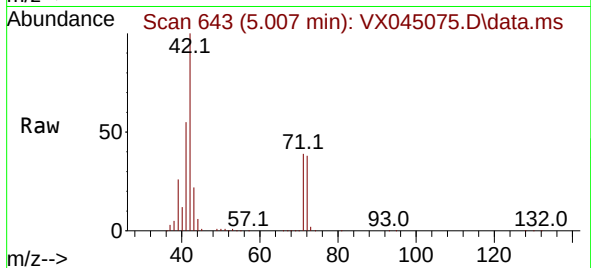
Tgt Ion: 42 Resp: 195768

Ion Ratio Lower Upper

42 100

72 42.0 34.1 51.1

71 38.9 31.4 47.0



#30

Chloroform

Concen: 50.236 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.000 min

Lab File: VX045075.D

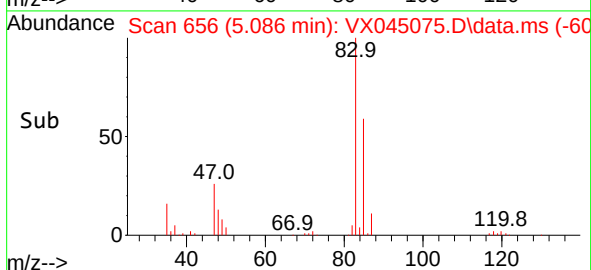
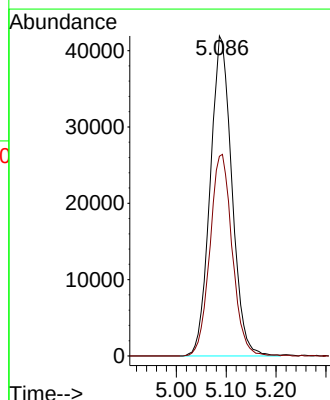
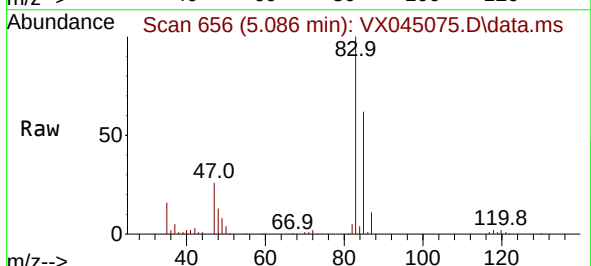
Acq: 28 Feb 2025 04:33

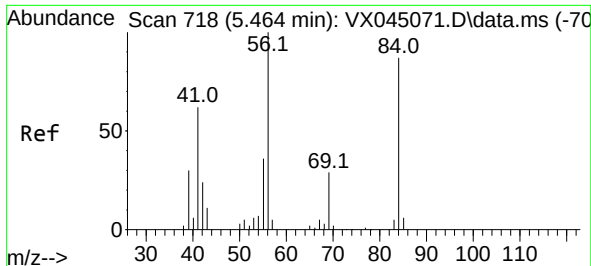
Tgt Ion: 83 Resp: 126437

Ion Ratio Lower Upper

83 100

85 62.4 51.4 77.2

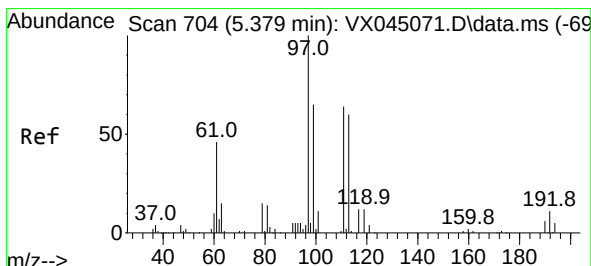
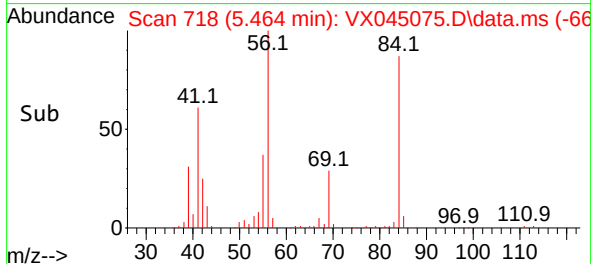
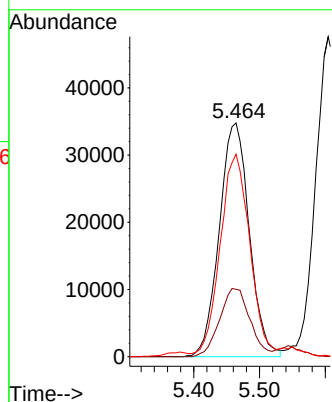
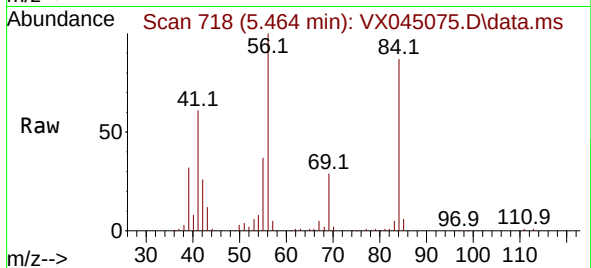




#31
Cyclohexane
Concen: 50.158 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

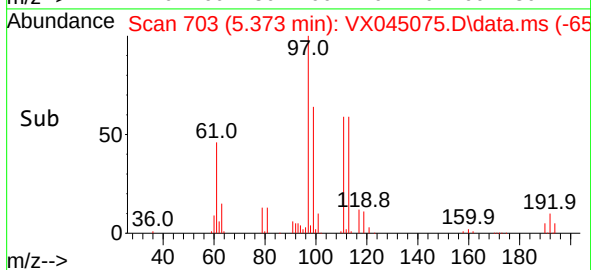
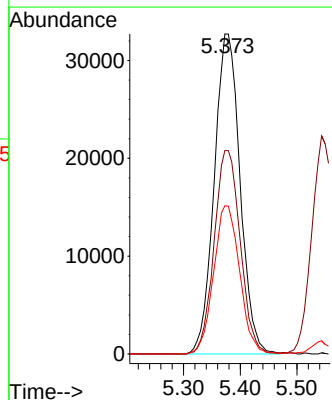
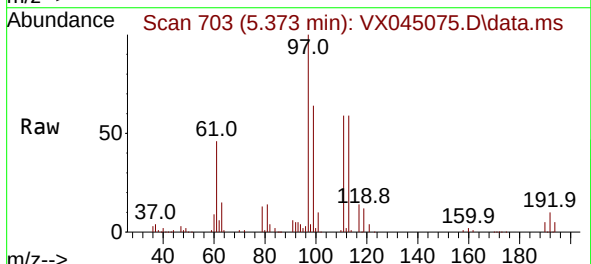
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

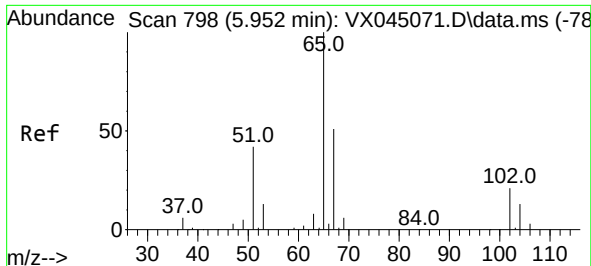
Tgt Ion: 56 Resp: 110288
Ion Ratio Lower Upper
56 100
69 28.8 23.4 35.2
84 84.6 69.4 104.2



#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 :

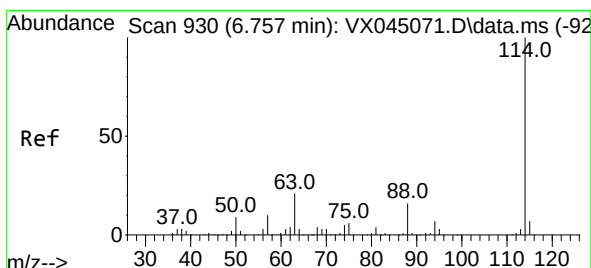
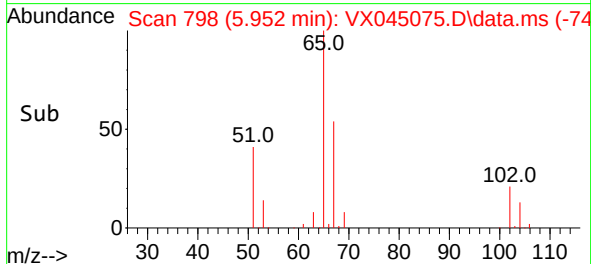
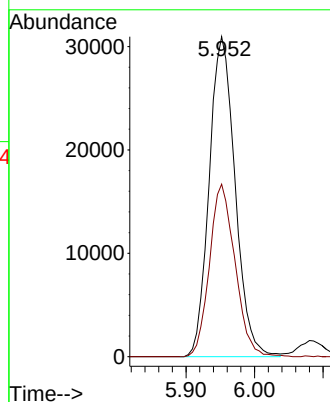
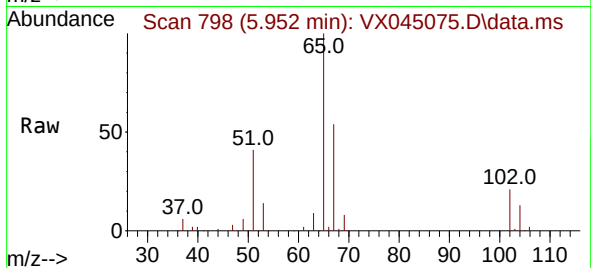
ICVVX022825

Tgt Ion: 65 Resp: 81288

Ion Ratio Lower Upper

65 100

67 53.1 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: VX045075.D

Acq: 28 Feb 2025 04:33

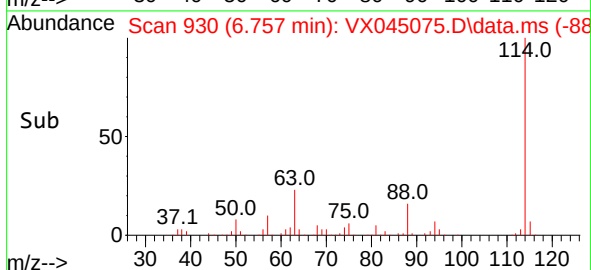
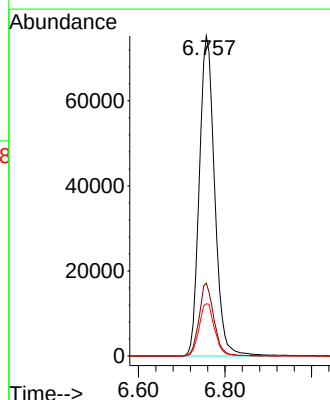
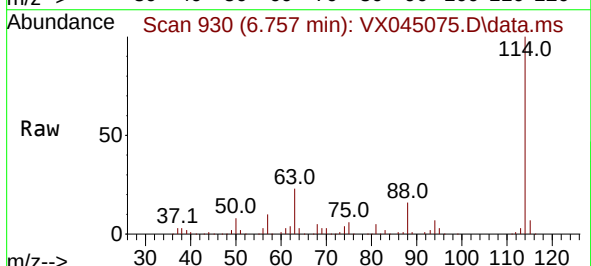
Tgt Ion: 114 Resp: 184964

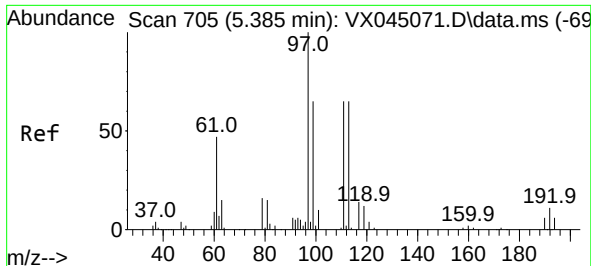
Ion Ratio Lower Upper

114 100

63 22.7 0.0 41.8

88 16.3 0.0 32.8

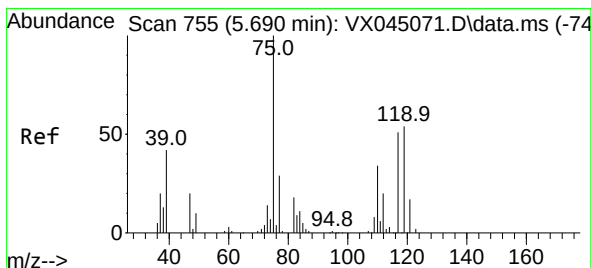
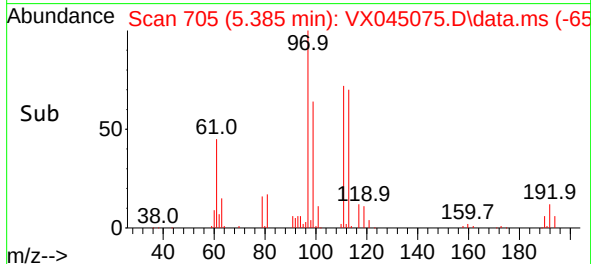
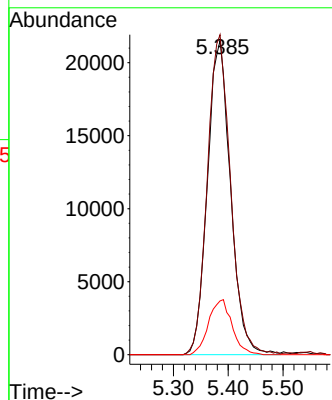
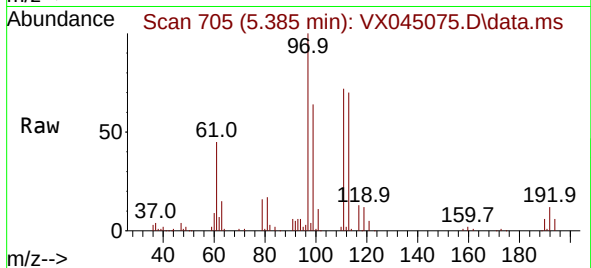




#35
Dibromofluoromethane
Concen: 50.841 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

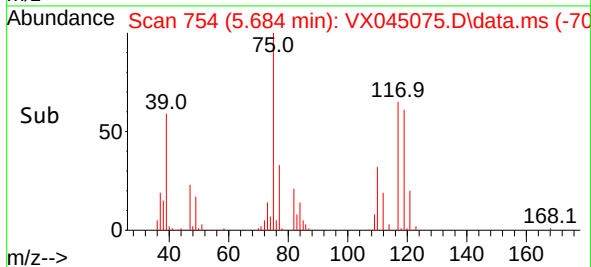
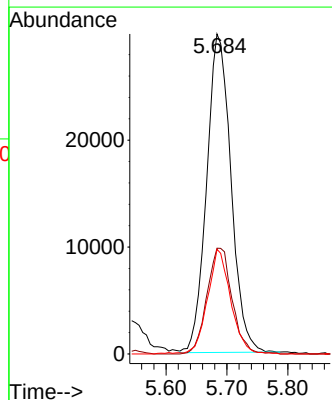
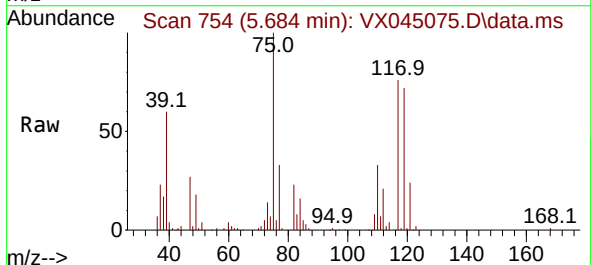
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

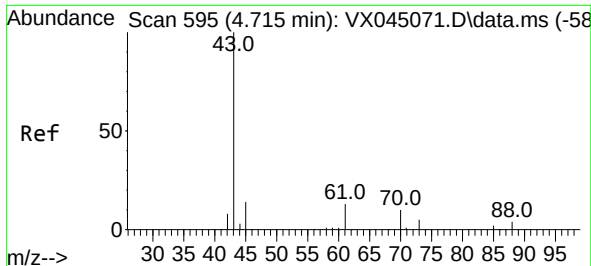
Tgt Ion:113 Resp: 62880
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.6
192 17.8 14.3 21.5



#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

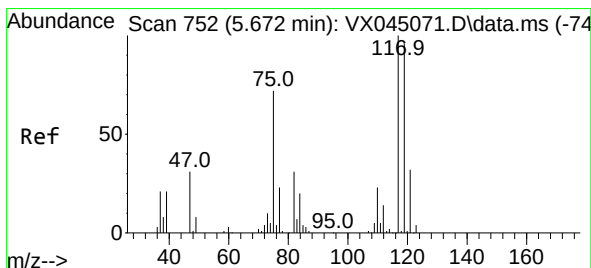
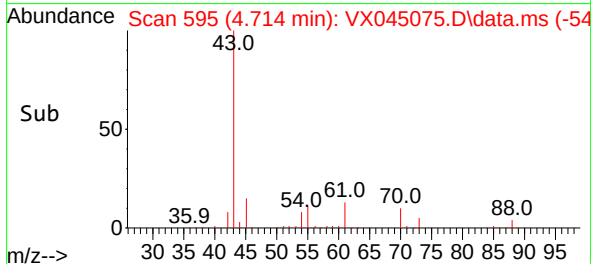
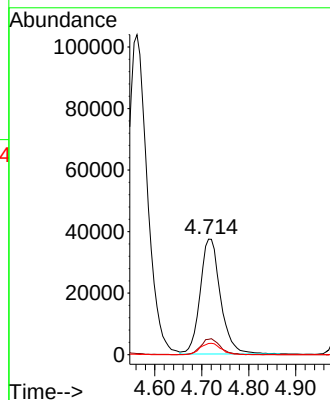
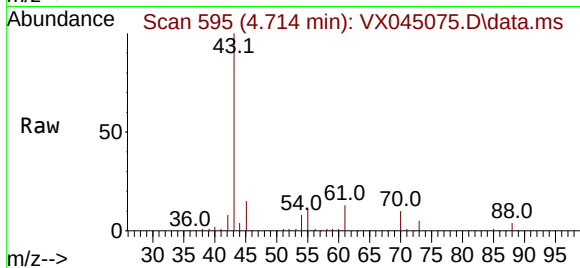
Tgt Ion: 43 Resp: 112768

Ion Ratio Lower Upper

43 100

61 13.3 10.8 16.2

70 10.1 7.7 11.5



#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

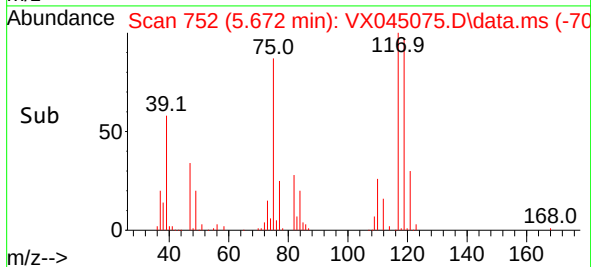
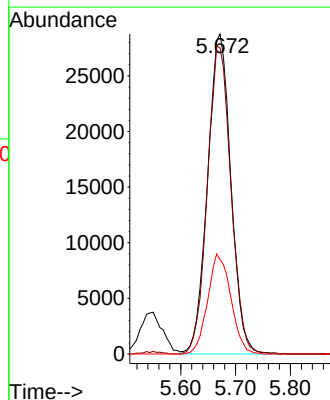
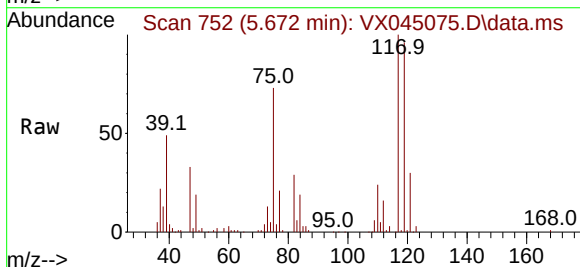
Tgt Ion: 117 Resp: 85110

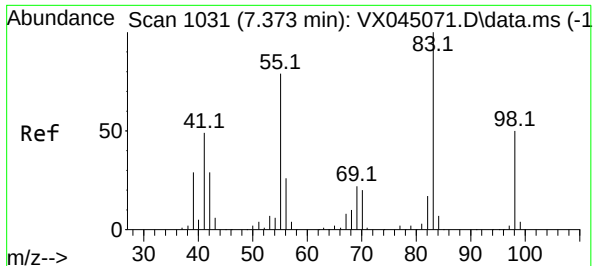
Ion Ratio Lower Upper

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 :

ICVVX022825

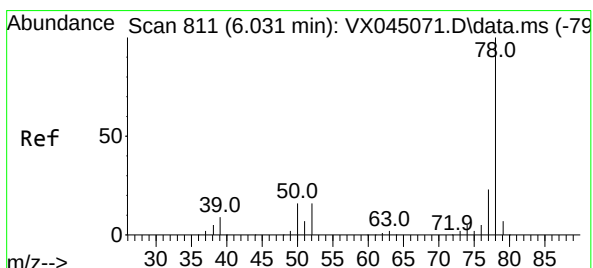
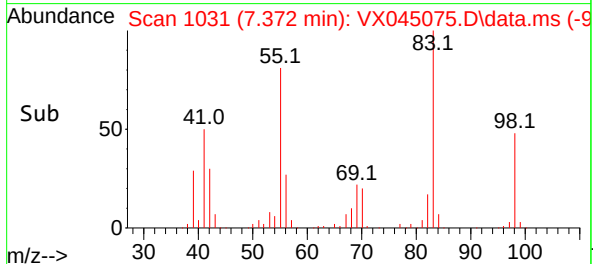
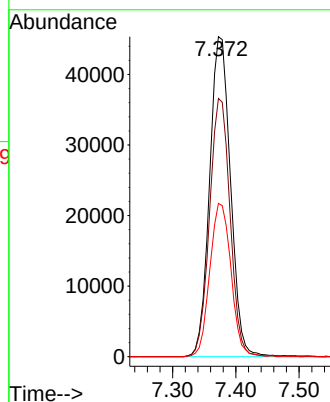
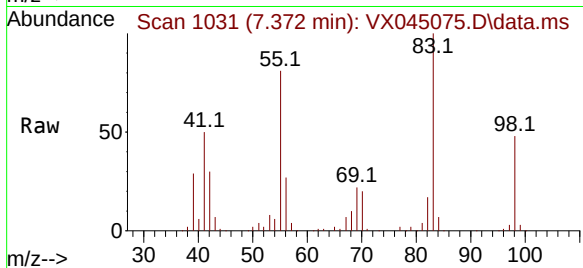
Tgt Ion: 83 Resp: 103996

Ion Ratio Lower Upper

83 100

55 80.7 63.0 94.4

98 47.9 39.7 59.5



#40

Benzene

Concen: 51.195 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX045075.D

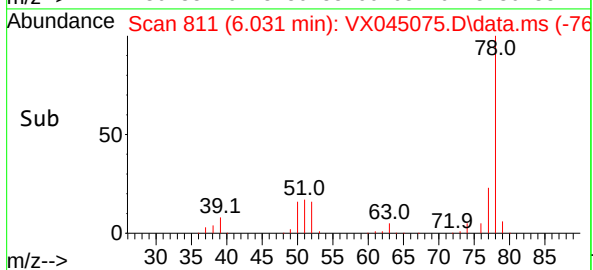
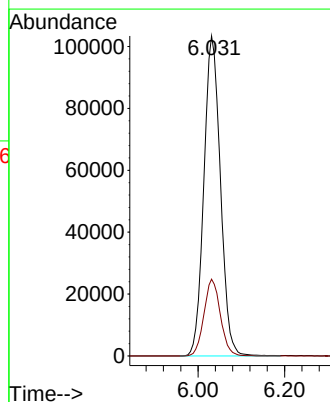
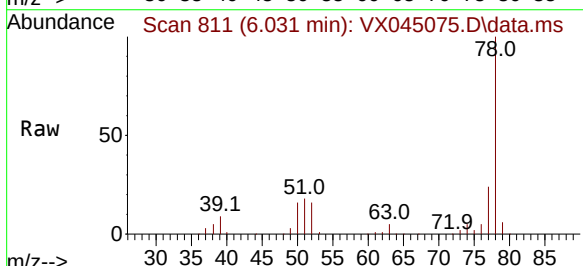
Acq: 28 Feb 2025 04:33

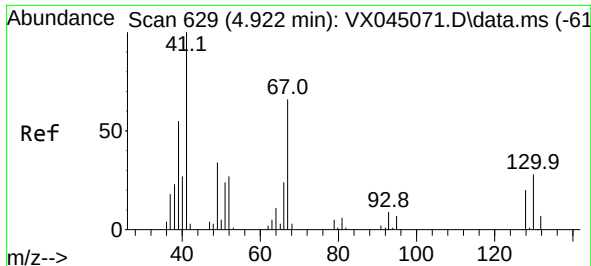
Tgt Ion: 78 Resp: 274206

Ion Ratio Lower Upper

78 100

77 24.0 18.8 28.2

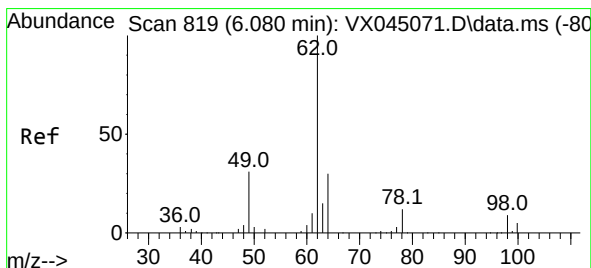
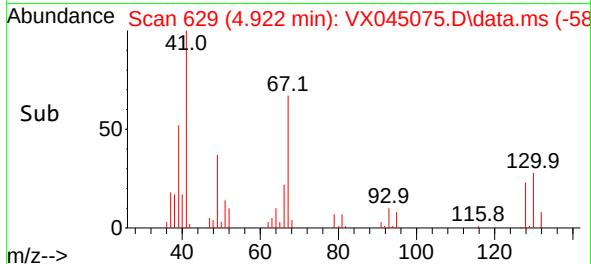
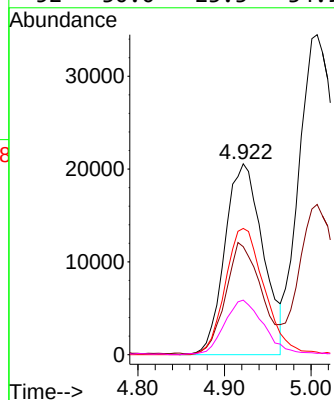
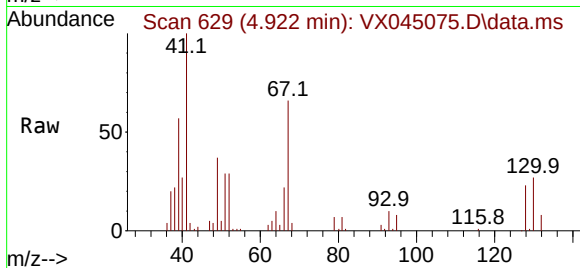




#41
Methacrylonitrile
Concen: 53.352 ug/l
RT: 4.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

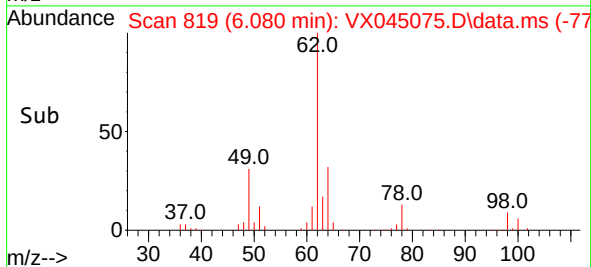
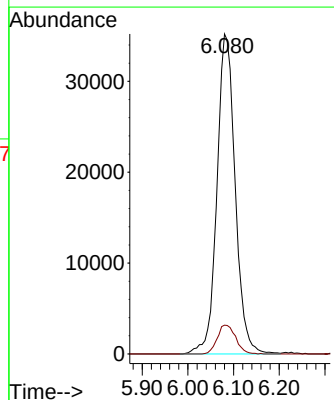
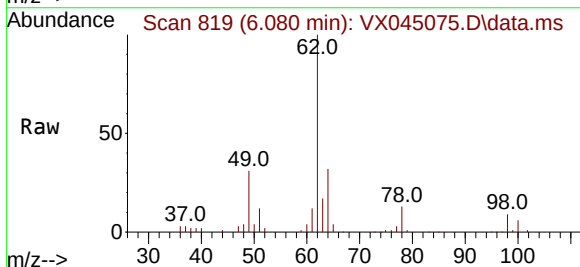
Instrument :
MSVOA_X
ClientSampleId :
ICVX022825

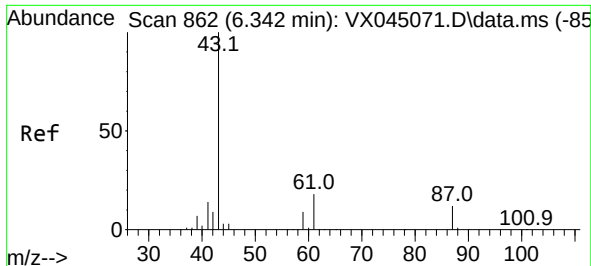
Tgt Ion:	41	Resp:	63051
Ion	Ratio	Lower	Upper
41	100		
39	55.0	44.6	67.0
67	68.1	53.9	80.9
52	30.0	23.3	34.9



#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

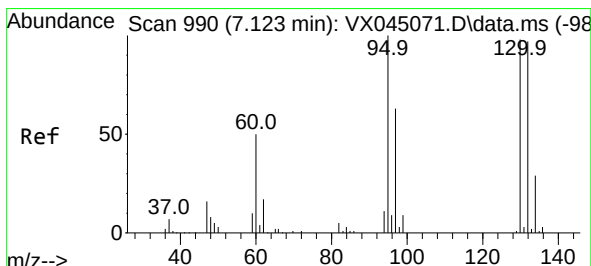
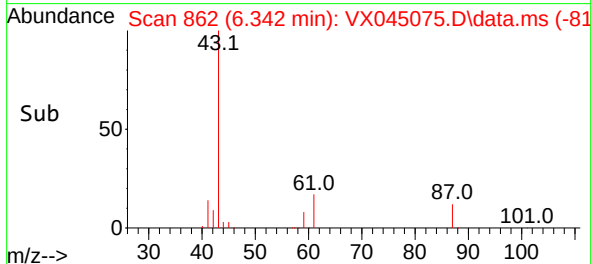
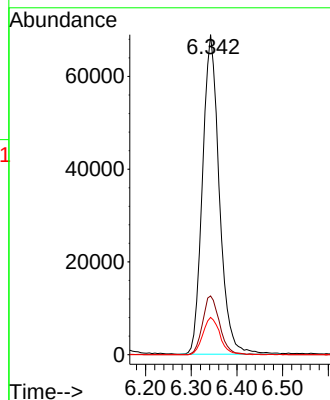
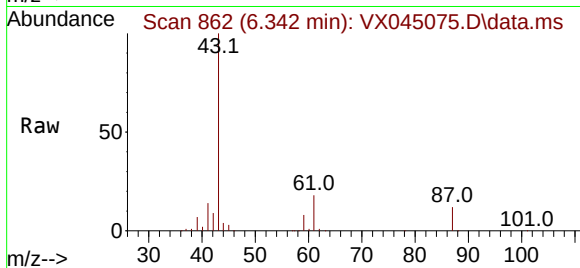




#43
Isopropyl Acetate
Concen: 54.452 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

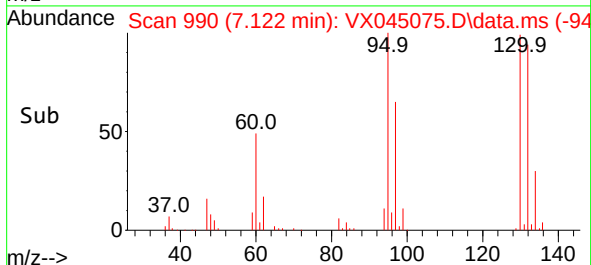
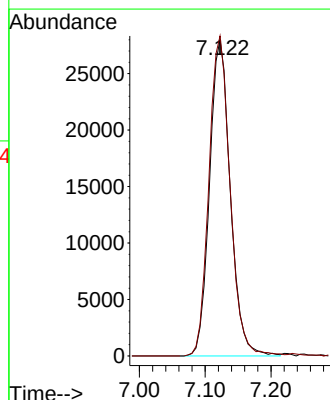
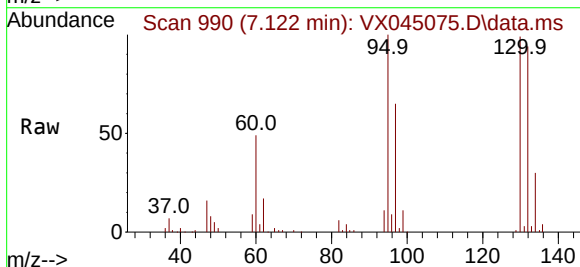
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

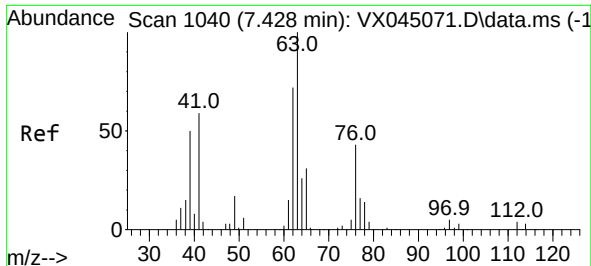
Tgt Ion: 43 Resp: 175982
Ion Ratio Lower Upper
43 100
61 18.5 14.9 22.3
87 11.8 9.4 14.2



#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

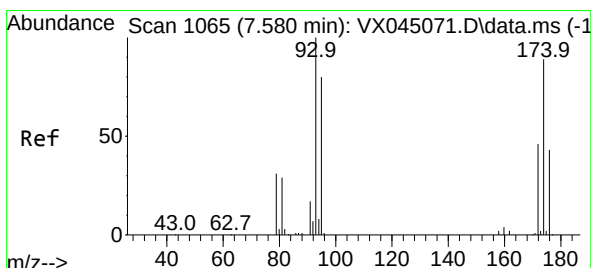
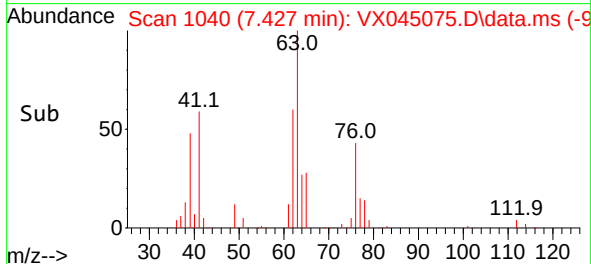
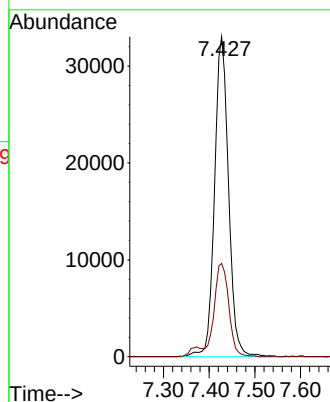
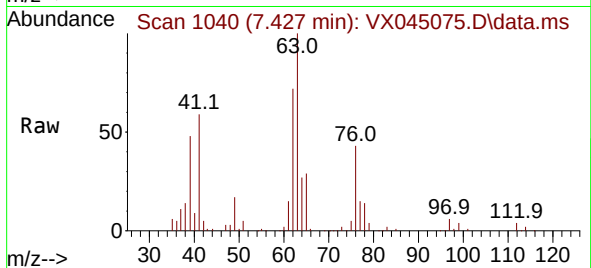




#45
1,2-Dichloropropane
Concen: 51.086 ug/l
RT: 7.427 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

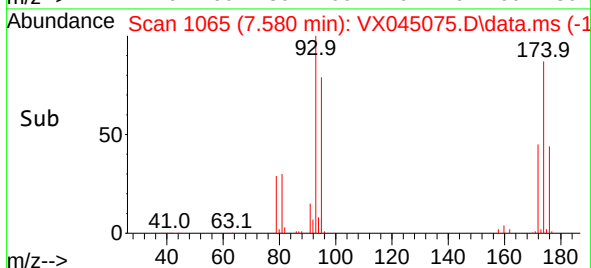
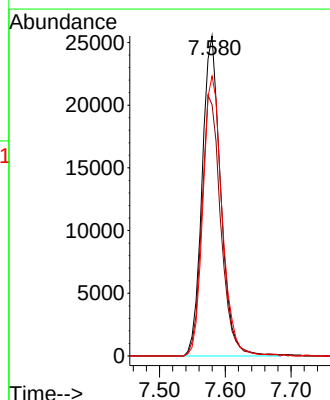
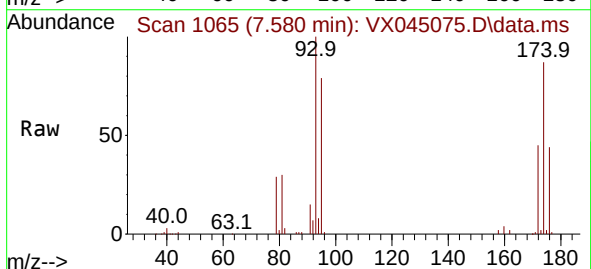
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

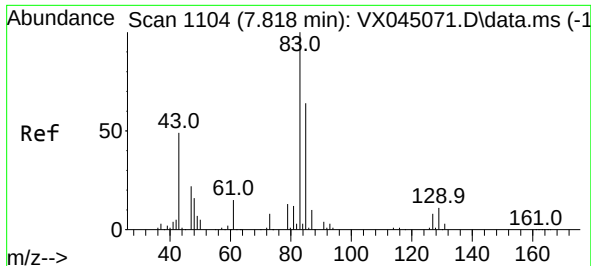
Tgt Ion: 63 Resp: 70350
Ion Ratio Lower Upper
63 100
65 29.2 24.7 37.1



#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

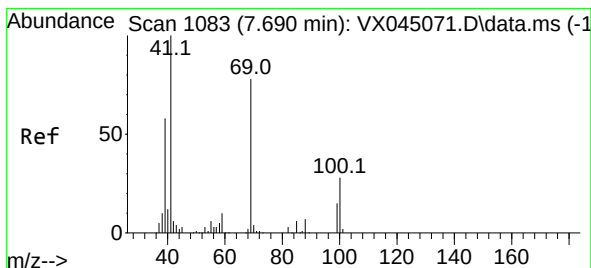
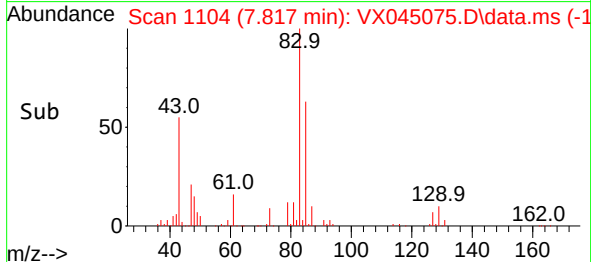
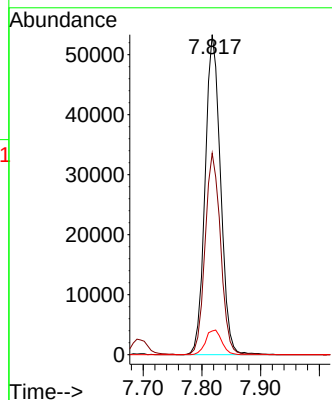
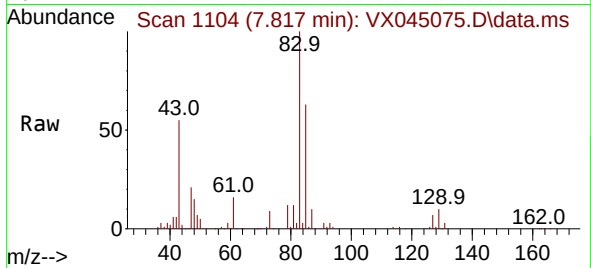




#47
Bromodichloromethane
Concen: 50.930 ug/l
RT: 7.817 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

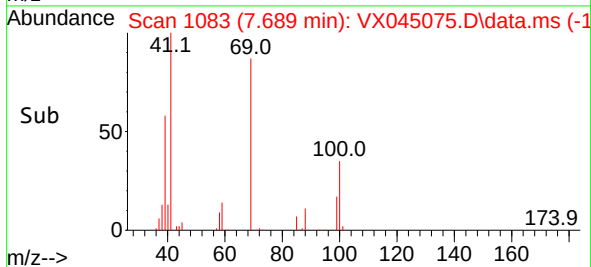
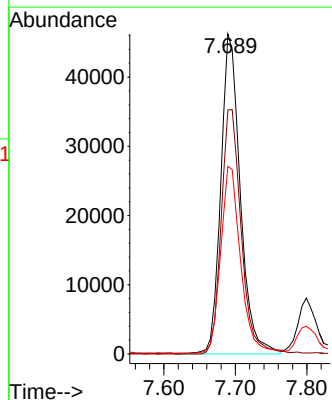
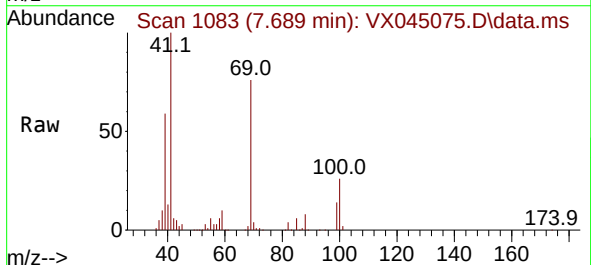
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

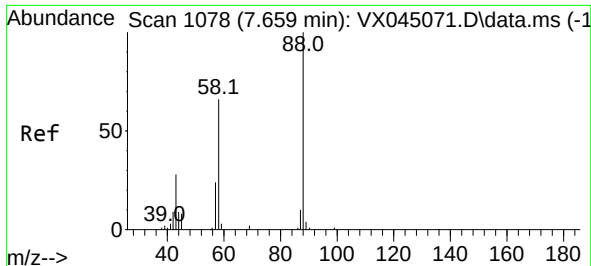
Tgt Ion: 83 Resp: 97236
Ion Ratio Lower Upper
83 100
85 63.0 51.1 76.7
127 7.4 6.4 9.6



#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

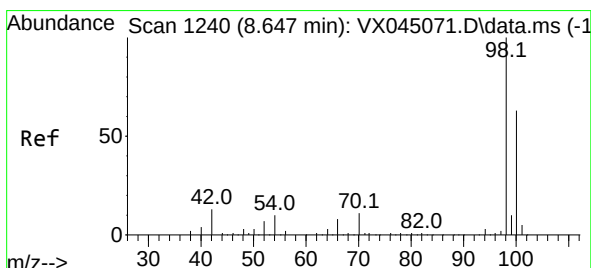
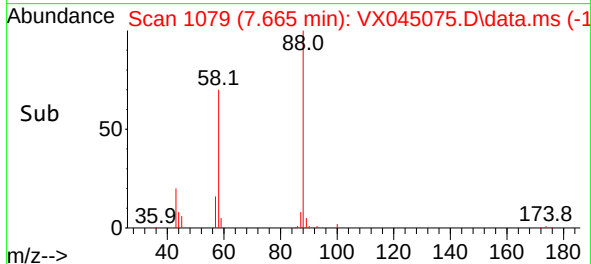
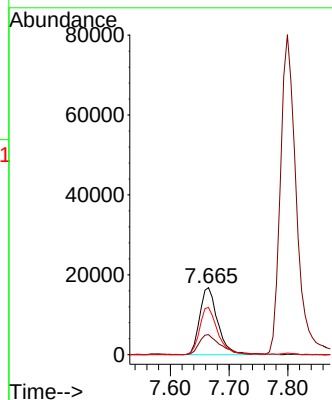
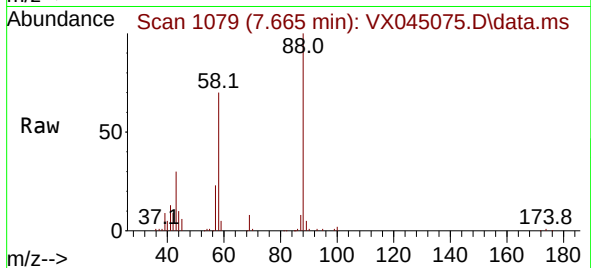
Tgt Ion: 88 Resp: 35878

Ion Ratio Lower Upper

88 100

43 34.3 28.7 43.1

58 70.8 55.8 83.8



#50

Toluene-d8

Concen: 50.364 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045075.D

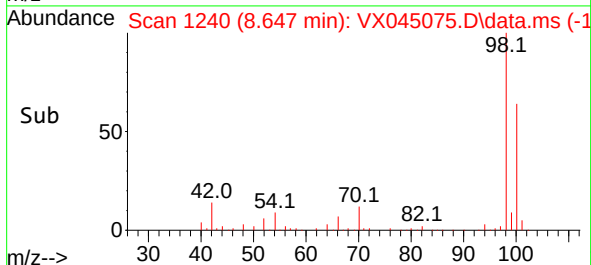
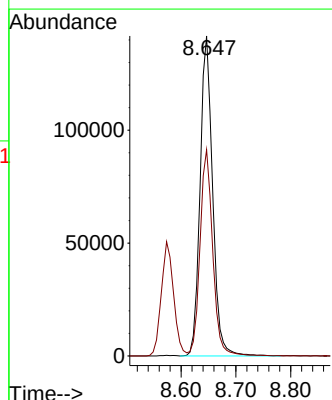
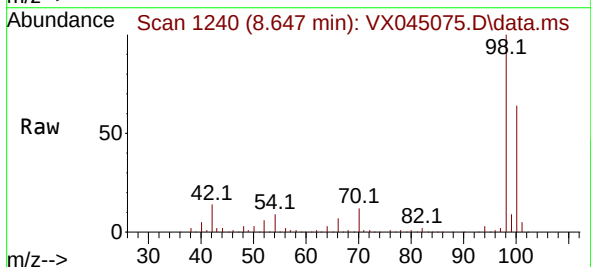
Acq: 28 Feb 2025 04:33

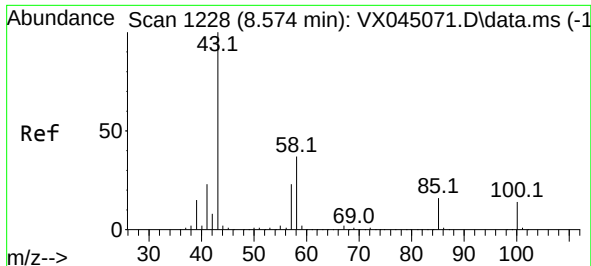
Tgt Ion: 98 Resp: 225823

Ion Ratio Lower Upper

98 100

100 65.6 52.0 78.0

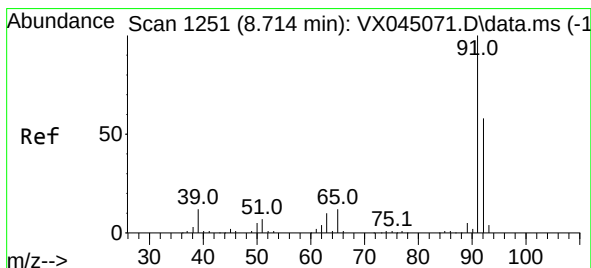
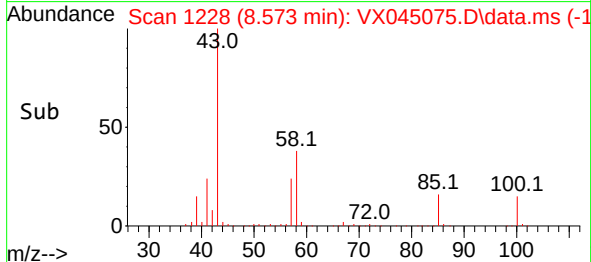
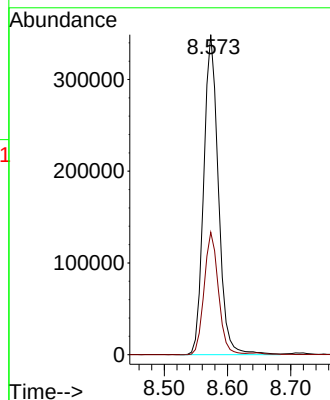
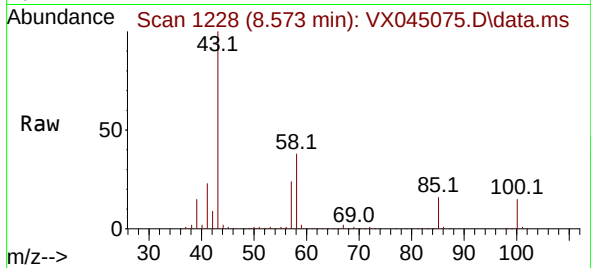




#51
4-Methyl-2-Pentanone
Concen: 259.995 ug/l
RT: 8.573 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

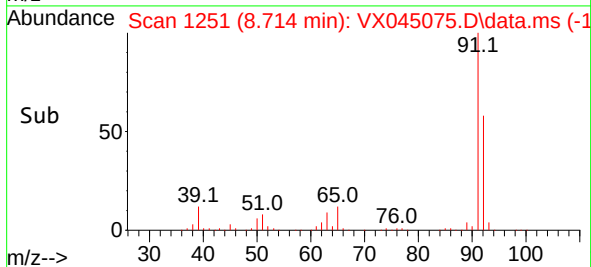
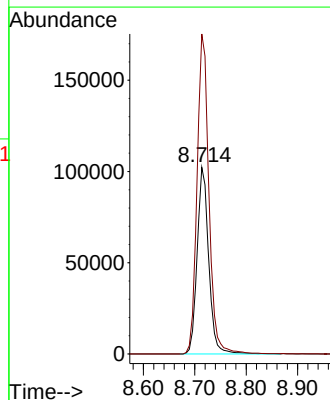
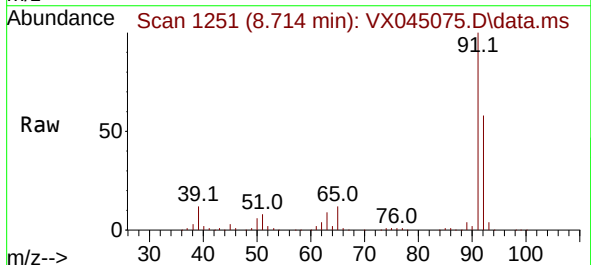
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

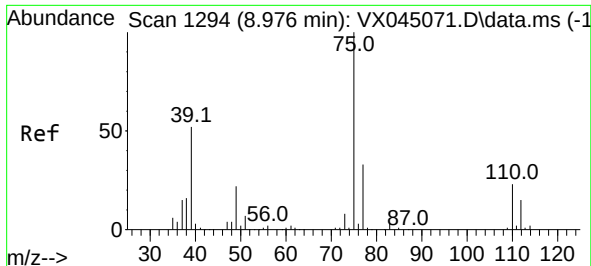
Tgt Ion: 43 Resp: 564197
Ion Ratio Lower Upper
43 100
58 37.3 29.2 43.8



#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 :

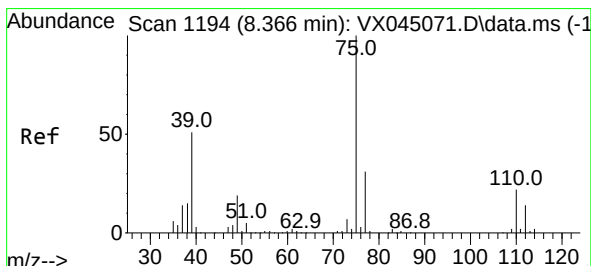
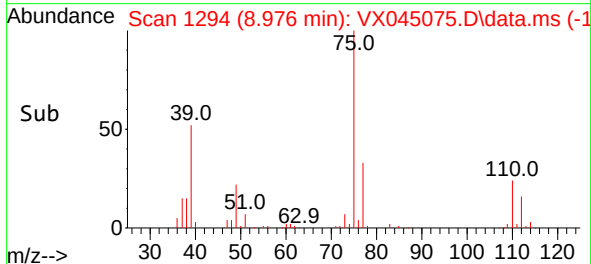
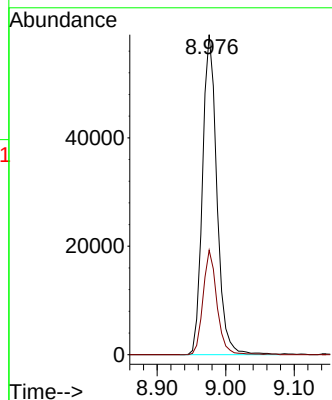
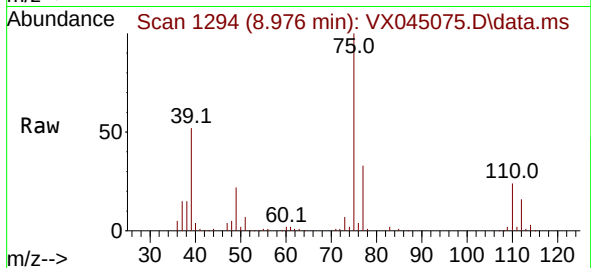
ICVVX022825

Tgt Ion: 75 Resp: 86584

Ion Ratio Lower Upper

75 100

77 32.7 26.5 39.7



#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

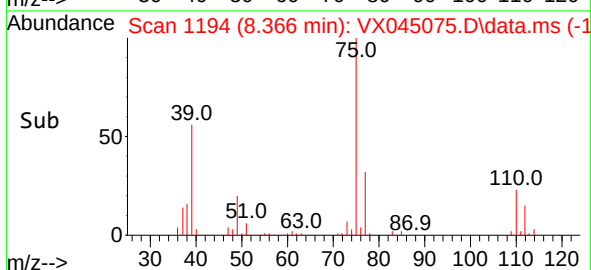
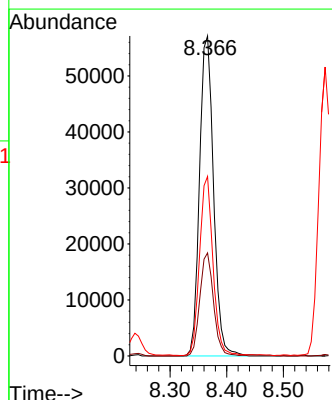
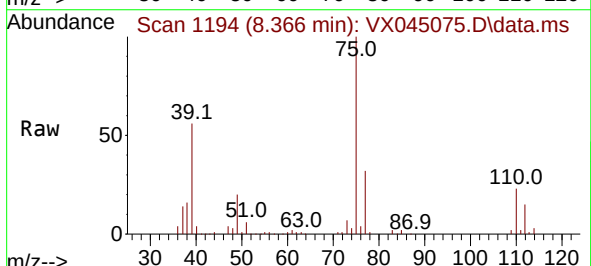
Tgt Ion: 75 Resp: 98146

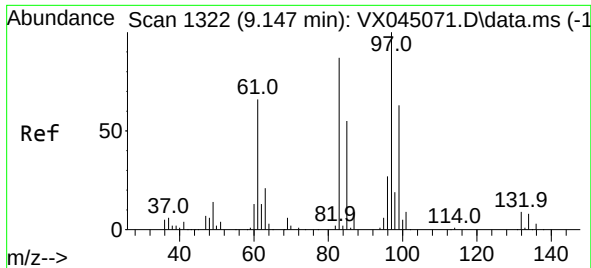
Ion Ratio Lower Upper

75 100

77 32.2 24.7 37.1

39 56.0 40.7 61.1

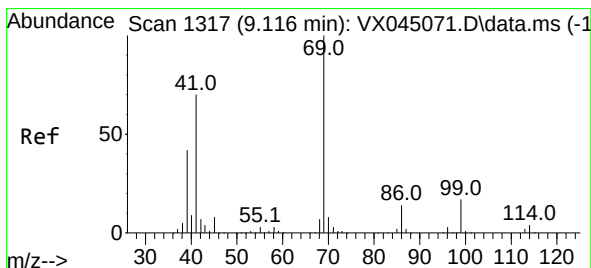
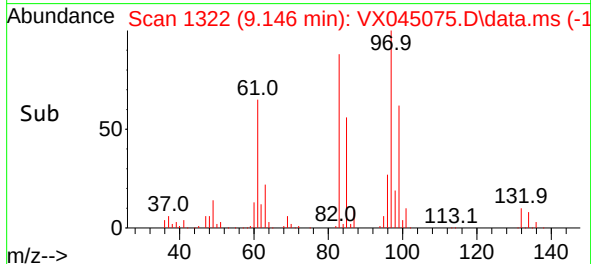
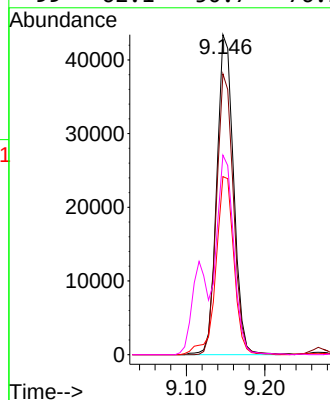
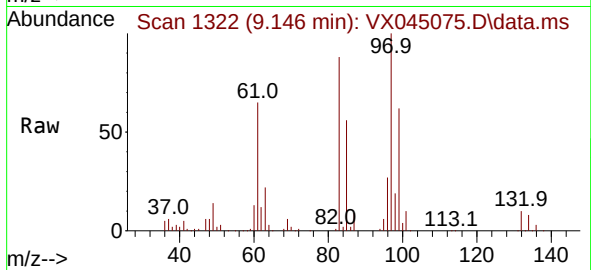




#55
 1,1,2-Trichloroethane
 Concen: 50.232 ug/l
 RT: 9.146 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045075.D
 Acq: 28 Feb 2025 04:33

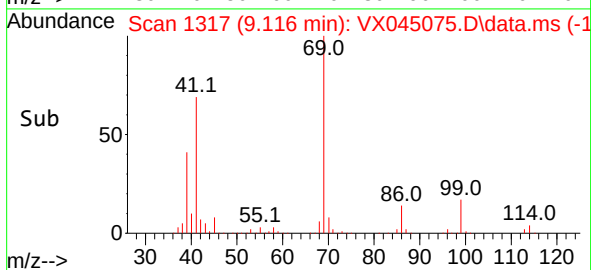
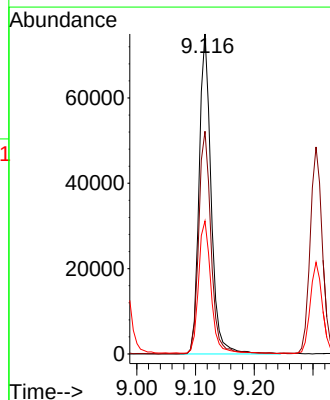
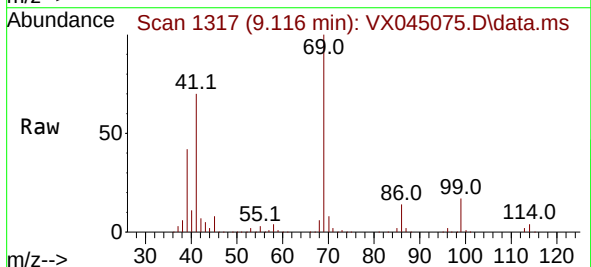
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX022825

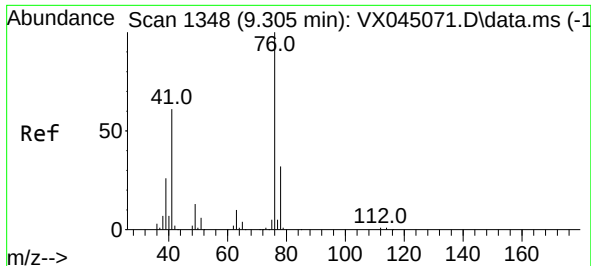
Tgt Ion: 97	Resp: 64985
Ion Ratio	Lower Upper
97 100	
83 87.8	69.4 104.2
85 55.6	44.1 66.1
99 62.1	50.7 76.1



#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# 114880

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Instrument :

MSVOA_X

ClientSampleId :

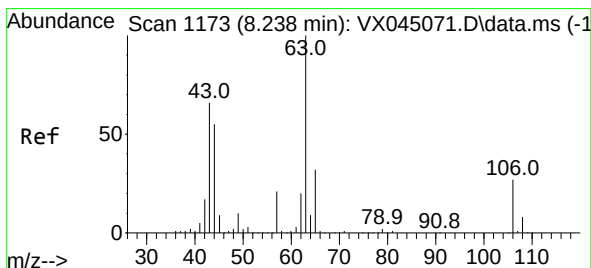
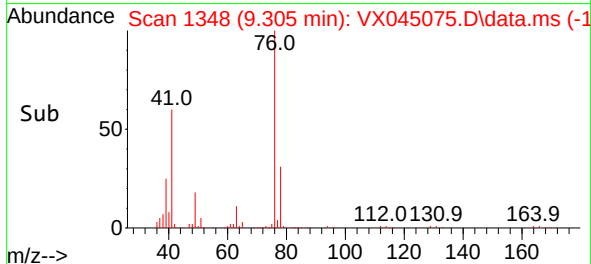
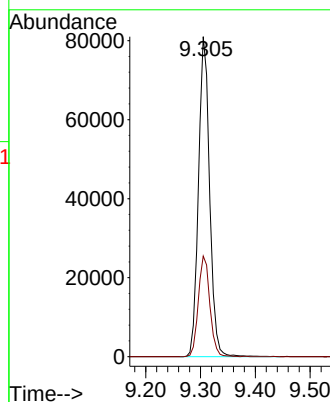
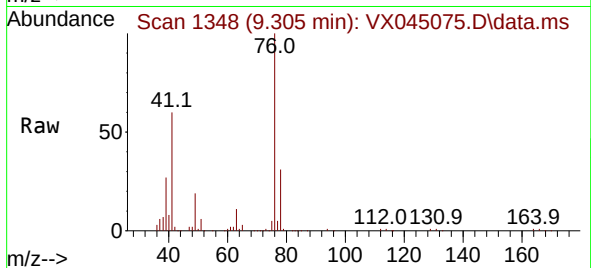
ICVVX022825

Tgt Ion: 76 Resp: 114880

Ion Ratio Lower Upper

76 100

78 32.5 25.5 38.3



#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

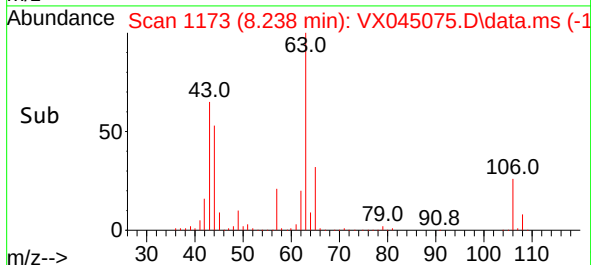
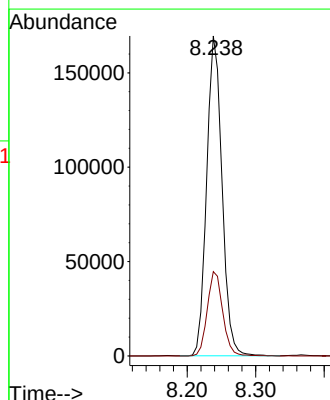
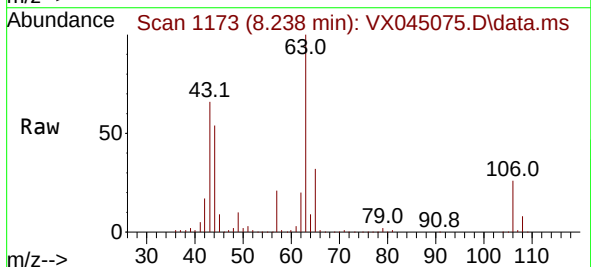
Acq: 28 Feb 2025 04:33

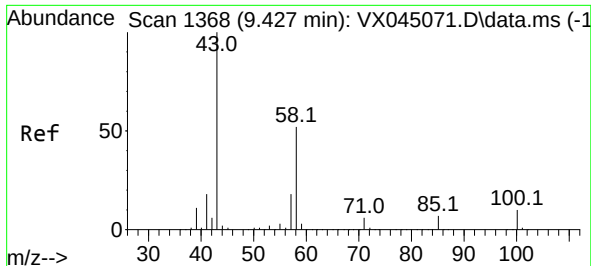
Tgt Ion: 63 Resp: 264335

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# 11

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Instrument :

MSVOA_X

ClientSampleId :

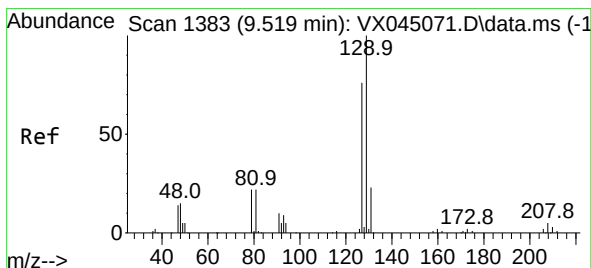
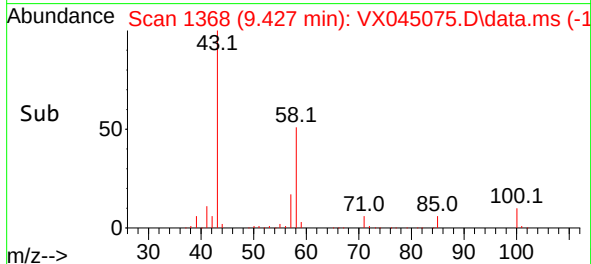
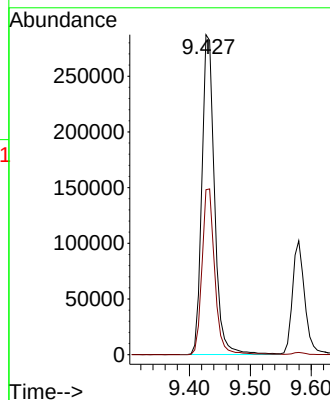
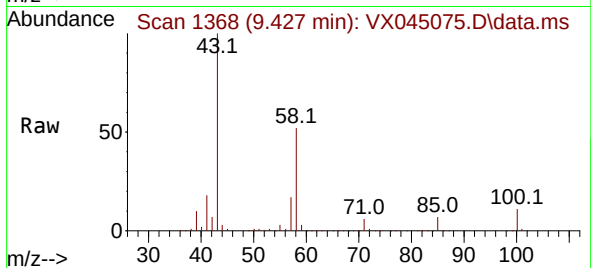
ICVX022825

Tgt Ion: 43 Resp: 416731

Ion Ratio Lower Upper

43 100

58 52.2 25.9 77.6



#60

Dibromochloromethane

Concen: 51.374 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX045075.D

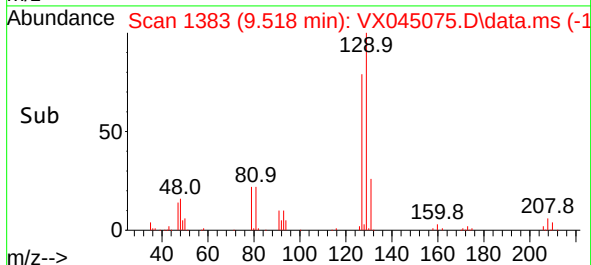
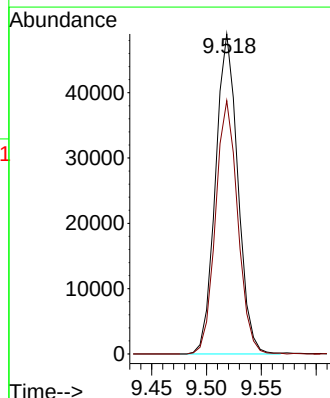
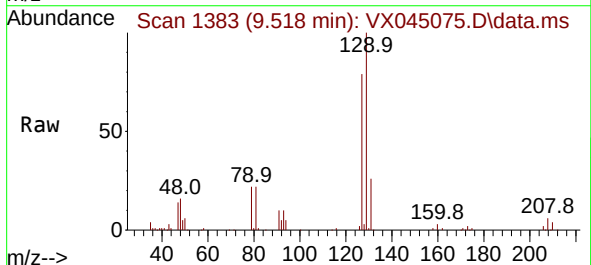
Acq: 28 Feb 2025 04:33

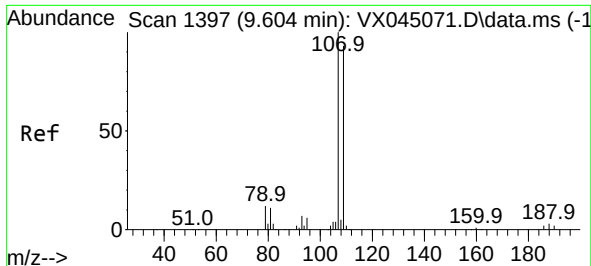
Tgt Ion: 129 Resp: 69492

Ion Ratio Lower Upper

129 100

127 78.6 38.5 115.5

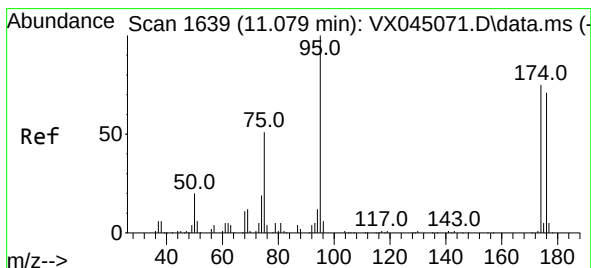
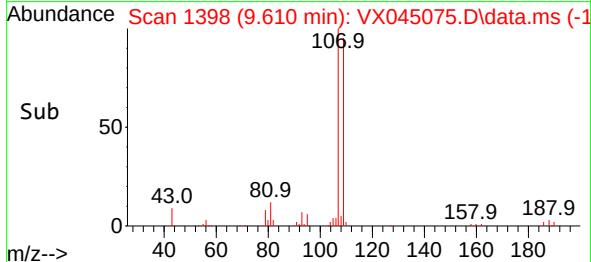
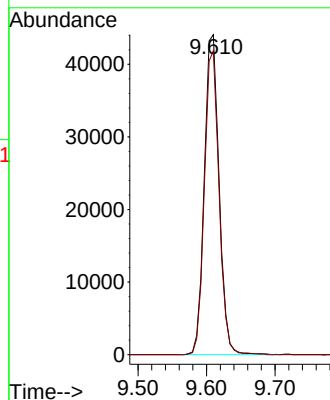
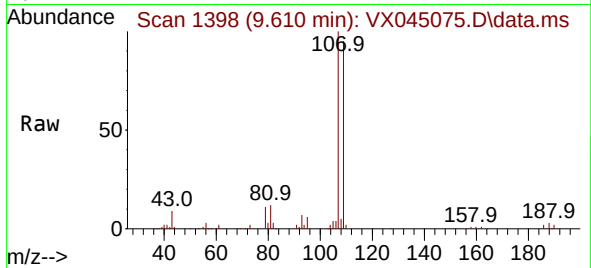




#61
1,2-Dibromoethane
Concen: 51.492 ug/l
RT: 9.610 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

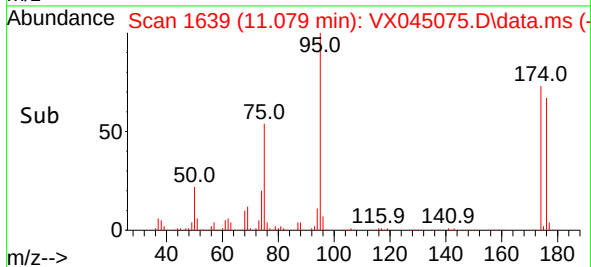
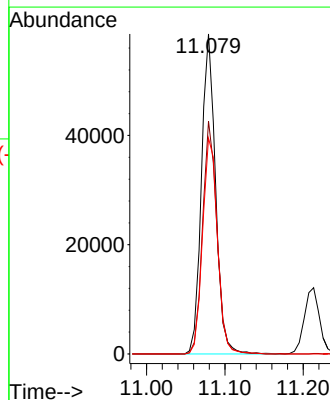
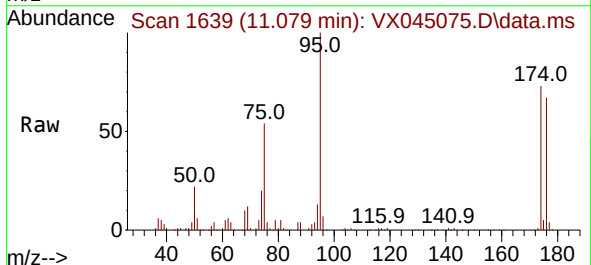
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

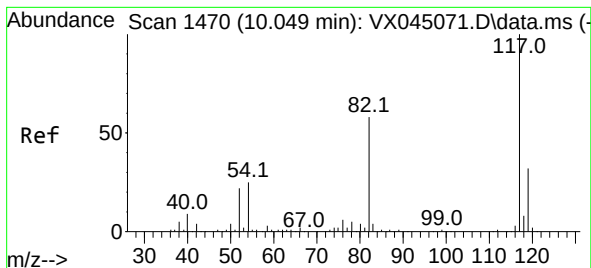
Tgt Ion:107 Resp: 66501
Ion Ratio Lower Upper
107 100
109 93.8 76.1 114.1



#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

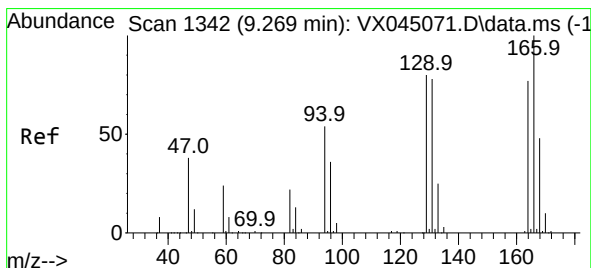
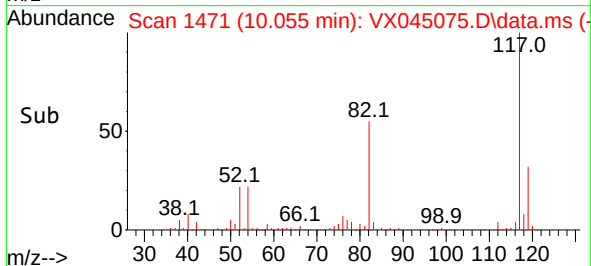
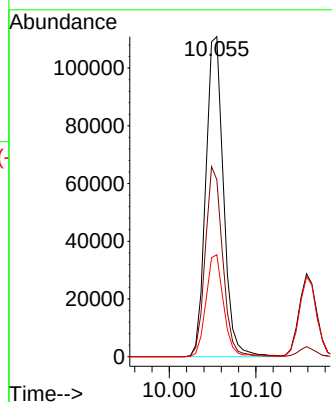
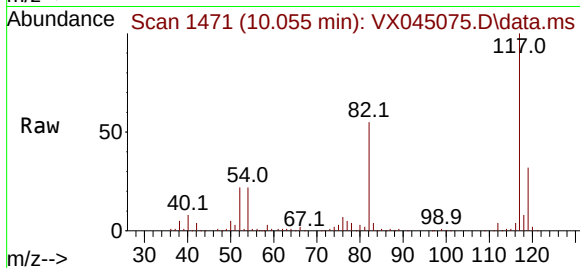




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

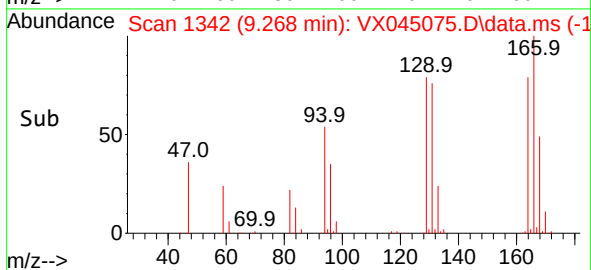
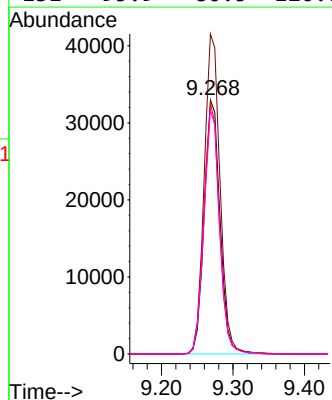
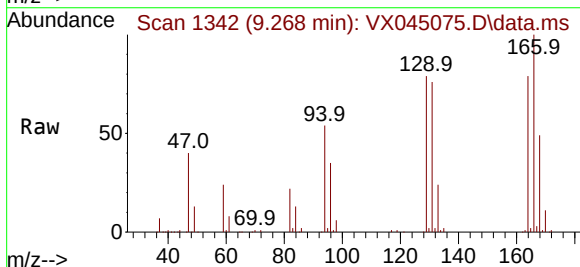
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

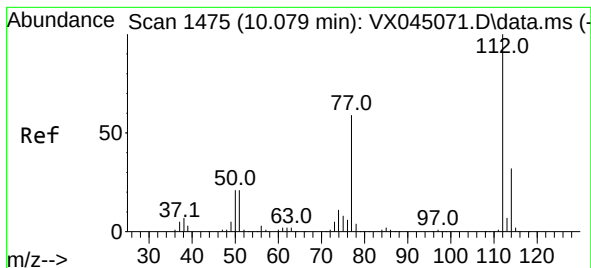
Tgt Ion:117 Resp: 157797
Ion Ratio Lower Upper
117 100
82 55.3 46.3 69.5
119 31.9 25.7 38.5



#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

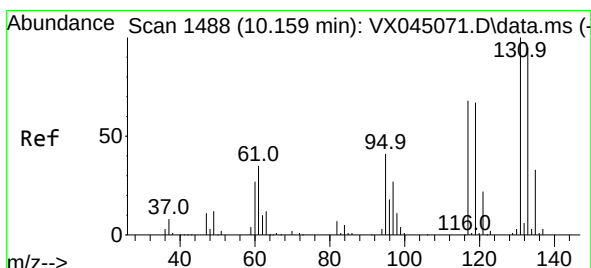
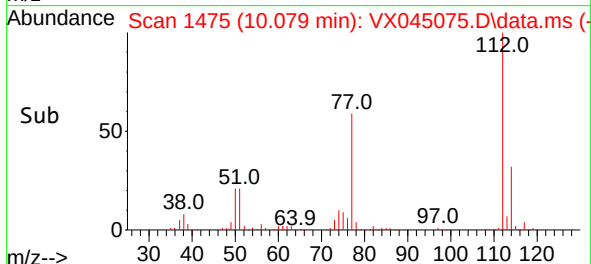
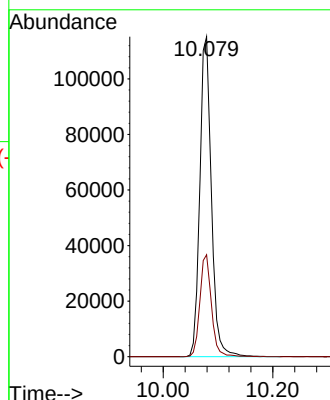
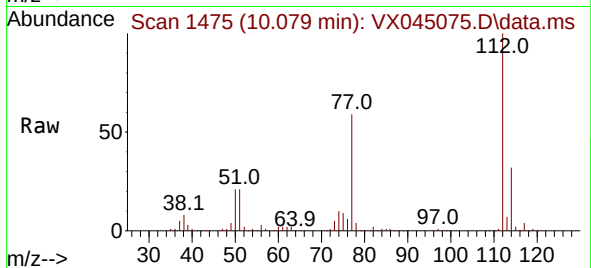




#65
Chlorobenzene
Concen: 50.580 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

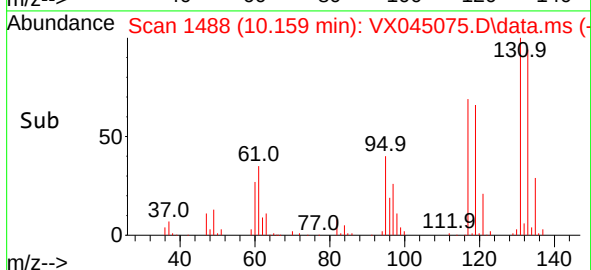
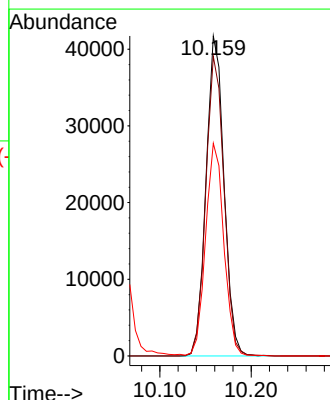
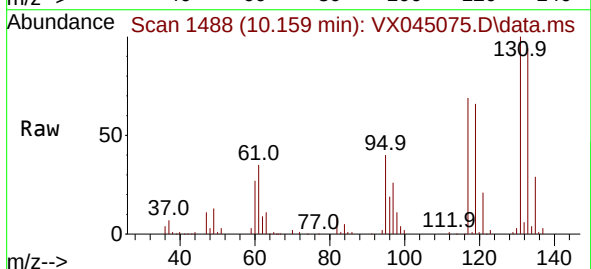
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

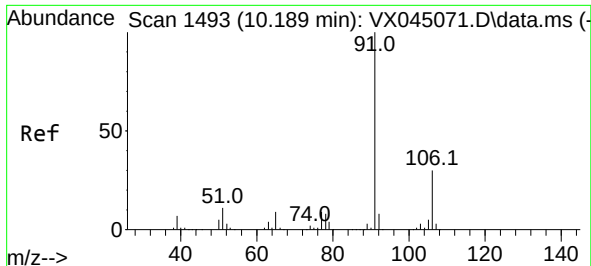
Tgt Ion:112 Resp: 168885
Ion Ratio Lower Upper
112 100
114 31.9 26.0 39.0



#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 :

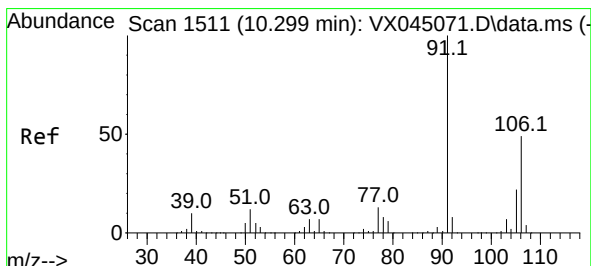
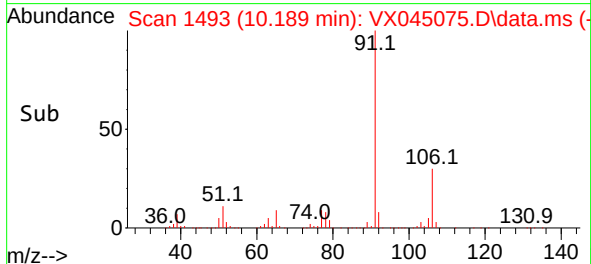
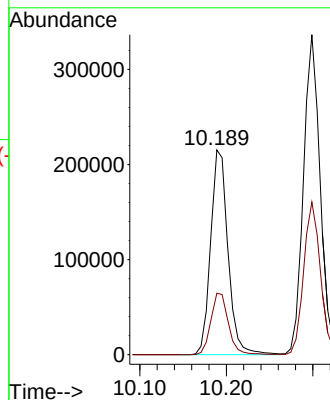
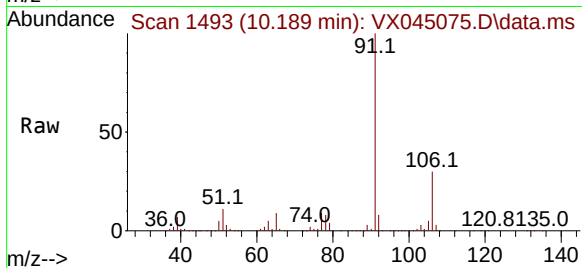
ICVVX022825

Tgt Ion: 91 Resp: 300324

Ion Ratio Lower Upper

91 100

106 30.0 23.9 35.9



#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

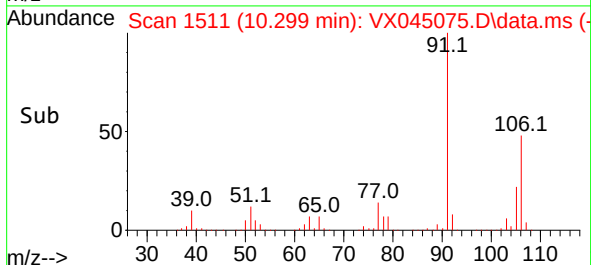
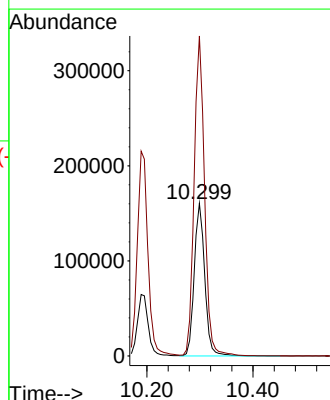
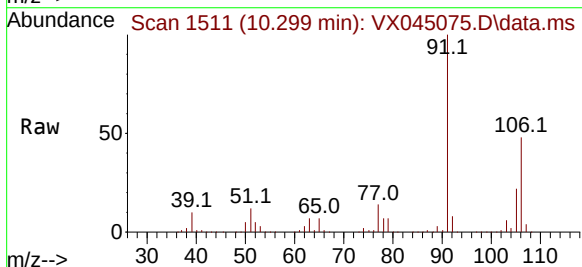
Acq: 28 Feb 2025 04:33

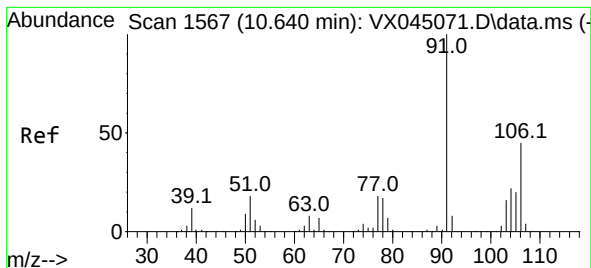
Tgt Ion: 106 Resp: 220335

Ion Ratio Lower Upper

106 100

91 207.8 165.4 248.0

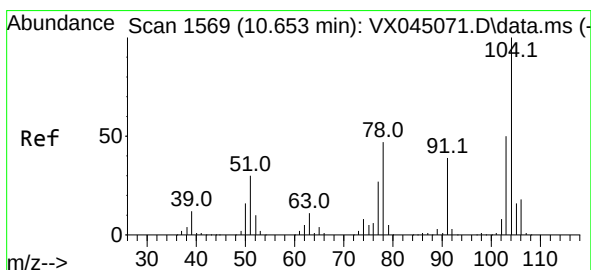
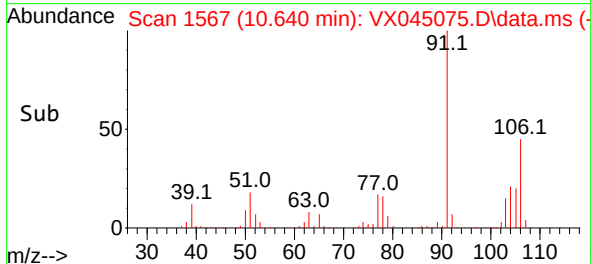
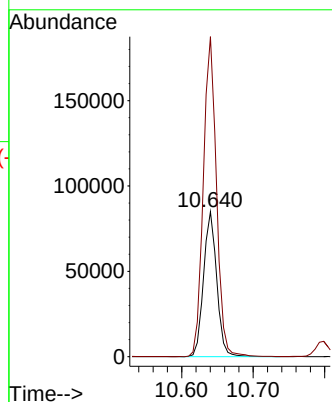
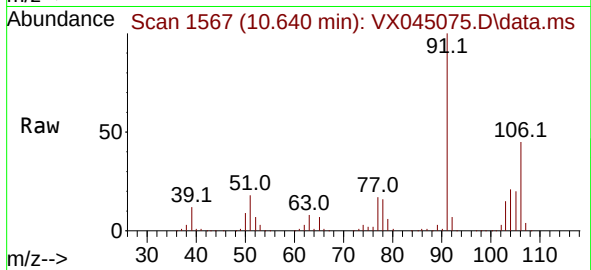




#69
o-Xylene
Concen: 50.668 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

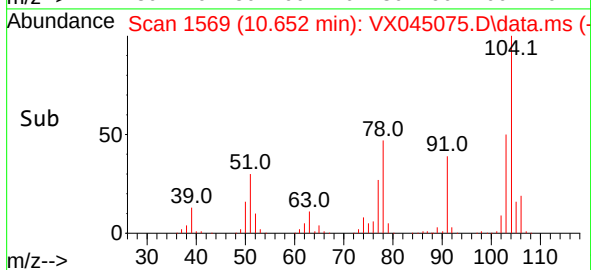
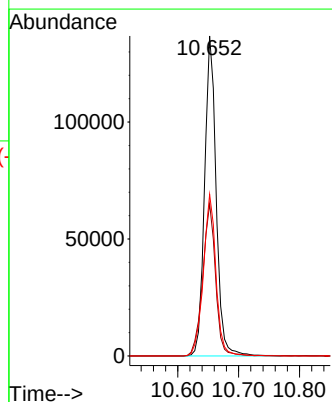
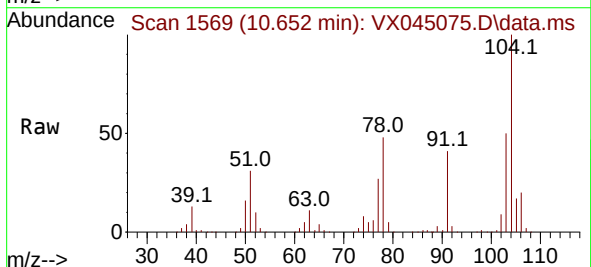
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

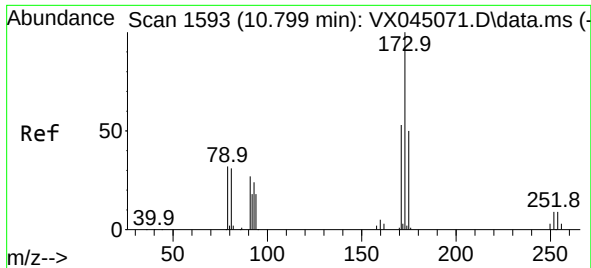
Tgt Ion:106 Resp: 108836
Ion Ratio Lower Upper
106 100
91 220.5 109.9 329.6



#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

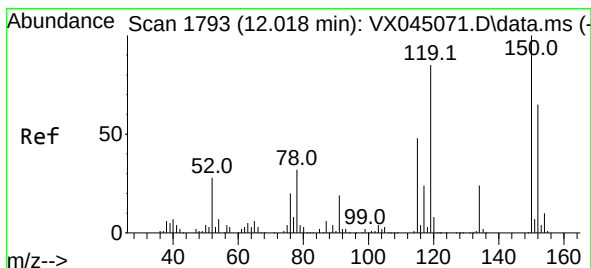
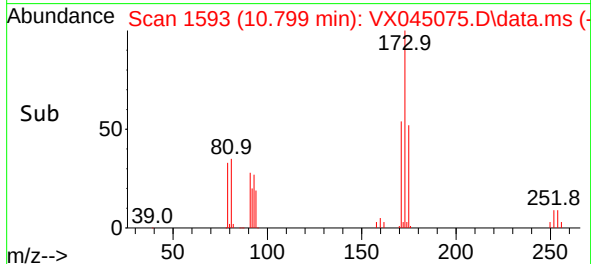
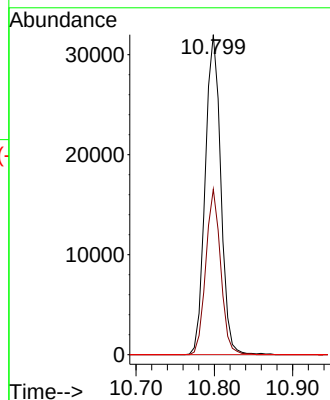
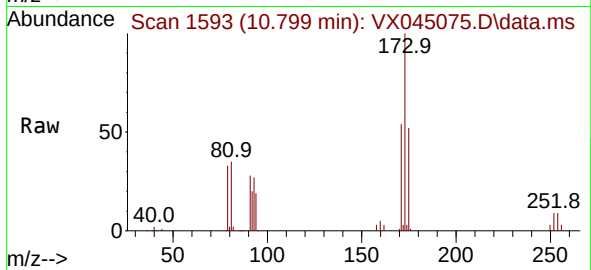




#71
Bromoform
Concen: 52.636 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

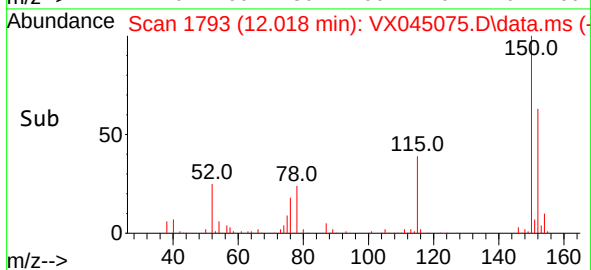
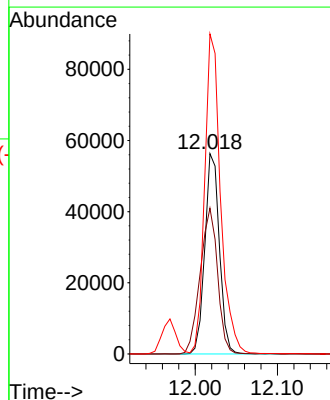
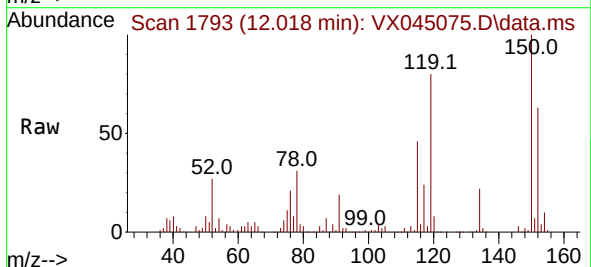
Instrument :
MSVOA_X
ClientSampleId :
ICVX022825

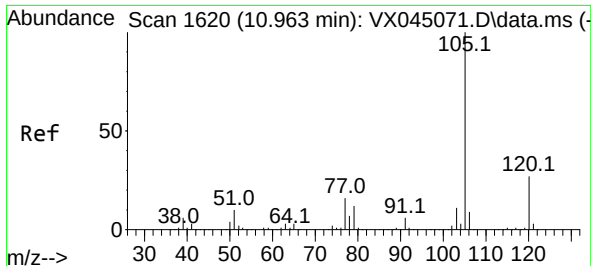
Tgt Ion:173 Resp: 44135
Ion Ratio Lower Upper
173 100
175 49.3 24.6 73.6
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: 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

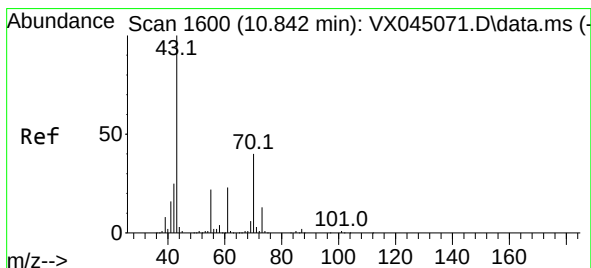
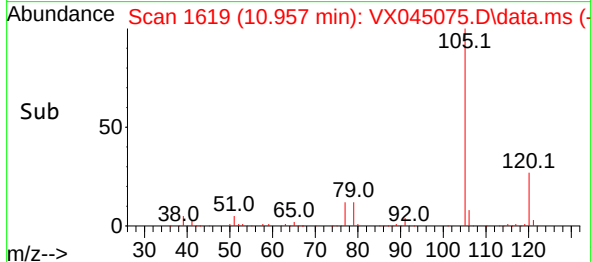
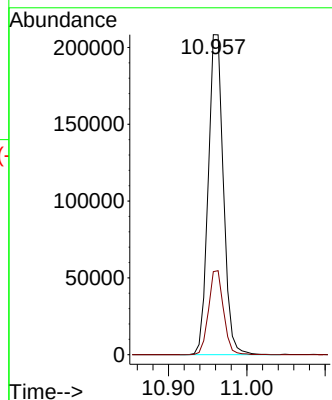
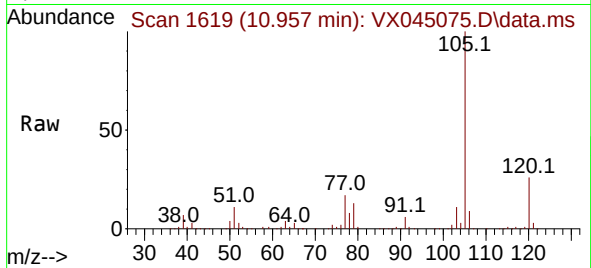




#73
Isopropylbenzene
Concen: 51.589 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

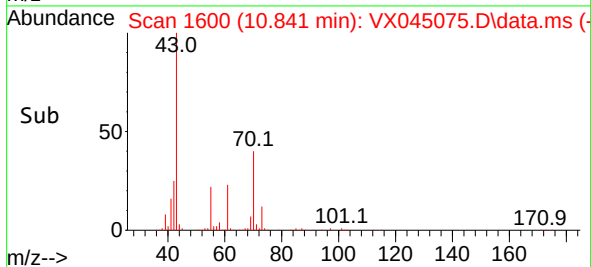
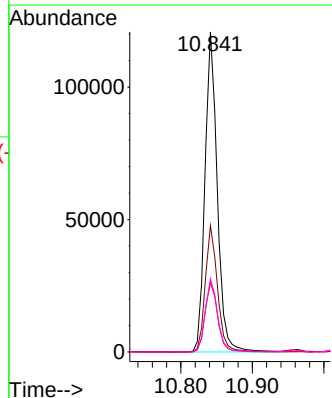
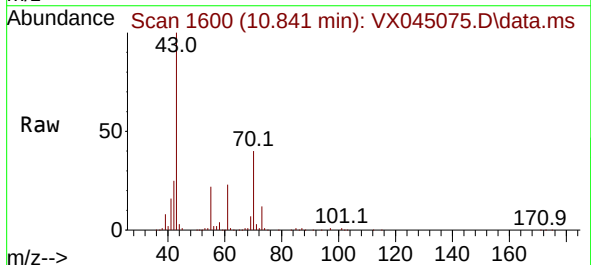
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

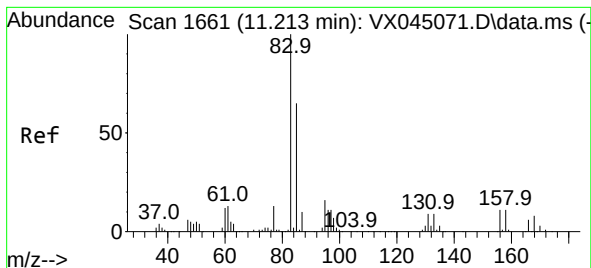
Tgt Ion:105 Resp: 279278
Ion Ratio Lower Upper
105 100
120 25.9 13.2 39.5



#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

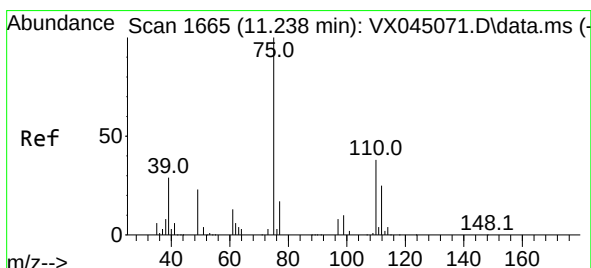
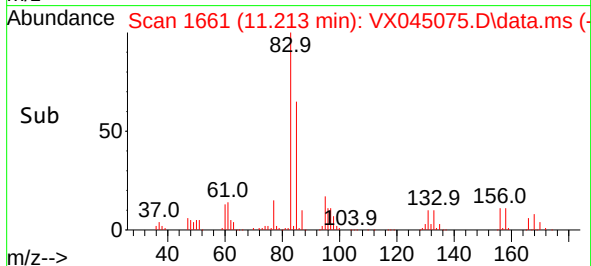
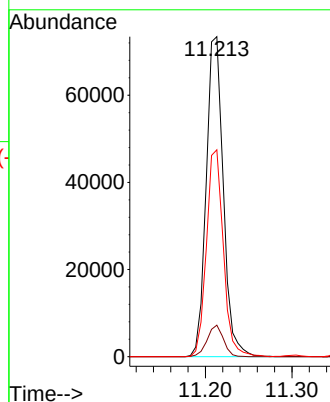
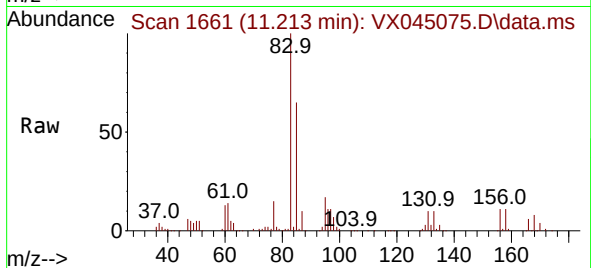




#75
1,1,2,2-Tetrachloroethane
Concen: 50.741 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

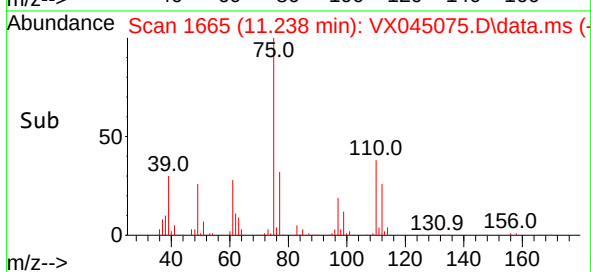
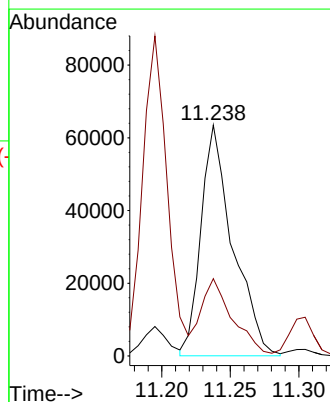
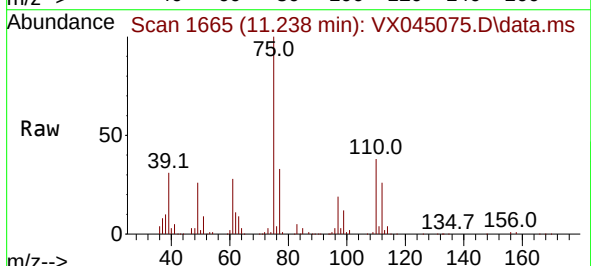
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

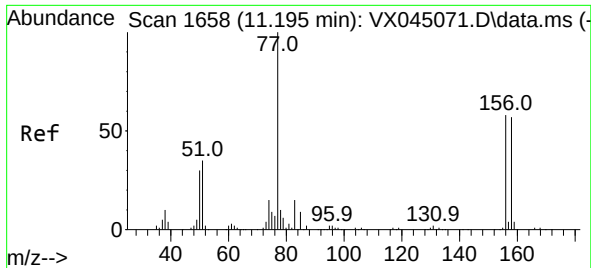
Tgt Ion: 83 Resp: 100800
Ion Ratio Lower Upper
83 100
131 9.4 4.5 13.4
85 64.0 31.7 95.1



#76
1,2,3-Trichloropropane
Concen: 63.694 ug/l
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: 102821
Ion Ratio Lower Upper
75 100
77 33.3 20.7 62.1

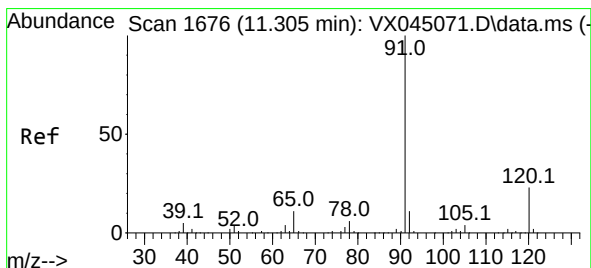
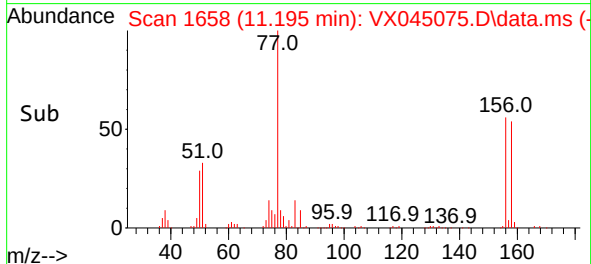
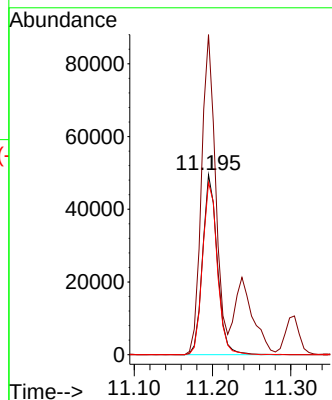
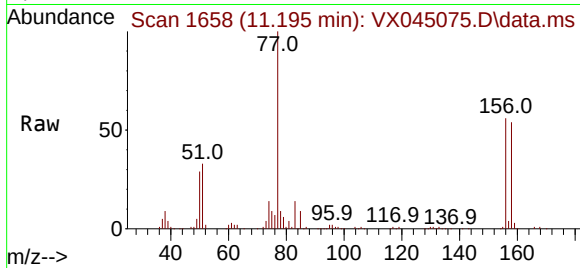




#77
Bromobenzene
Concen: 50.360 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

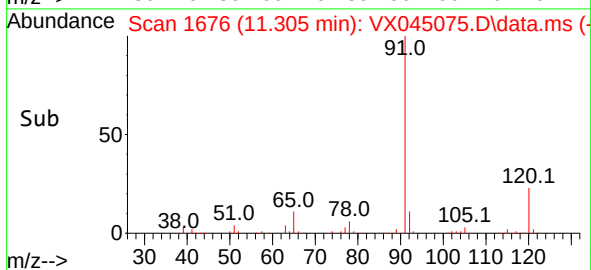
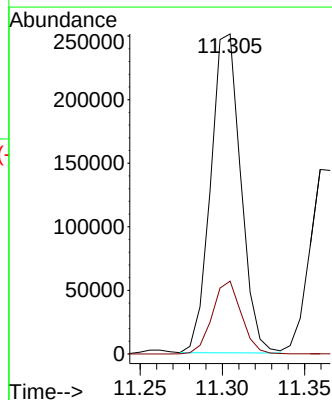
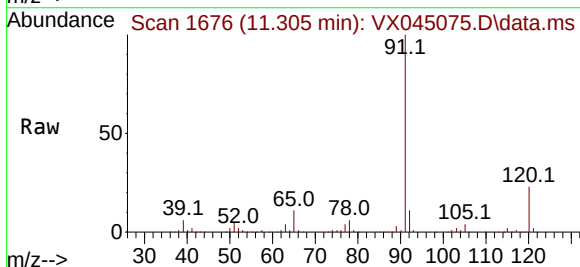
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

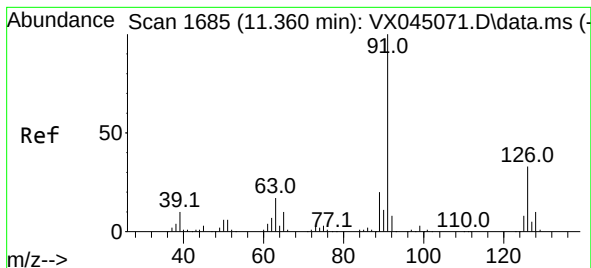
Tgt Ion:156 Resp: 64324
Ion Ratio Lower Upper
156 100
77 172.1 85.8 257.4
158 96.5 48.4 145.2



#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

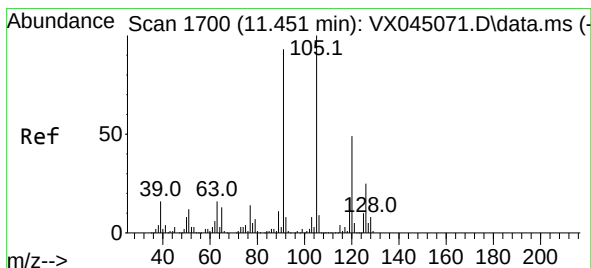
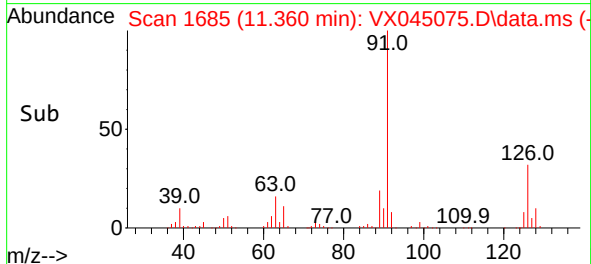
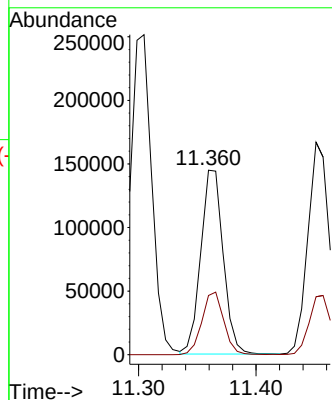
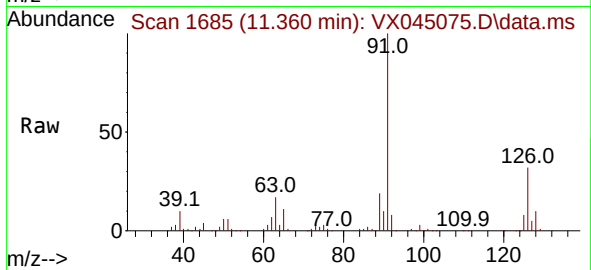




#79
2-Chlorotoluene
Concen: 49.338 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

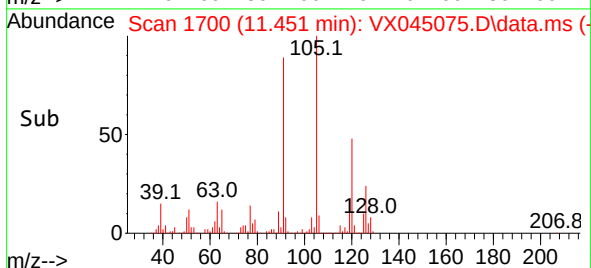
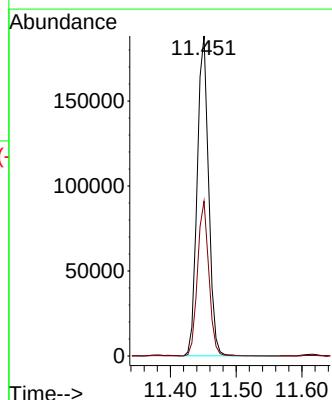
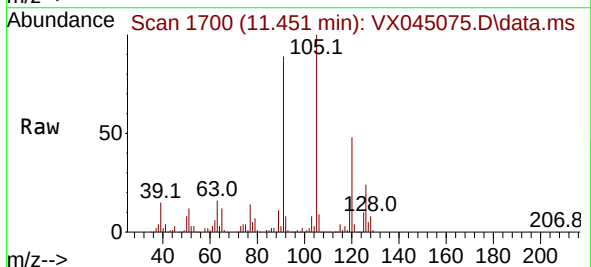
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

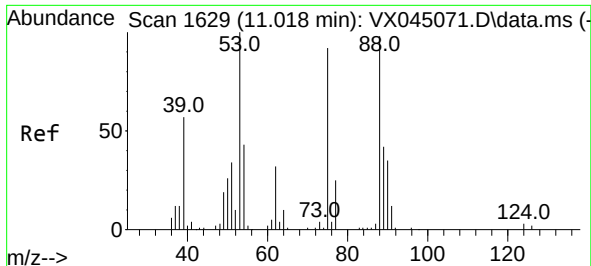
Tgt Ion: 91 Resp: 192150
Ion Ratio Lower Upper
91 100
126 33.1 16.4 49.4



#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

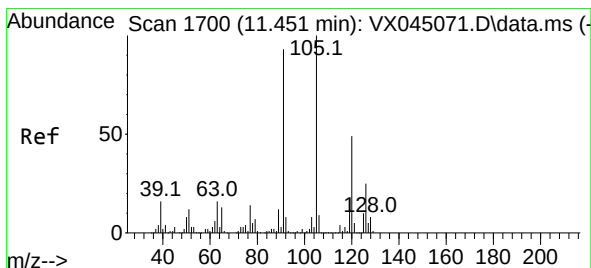
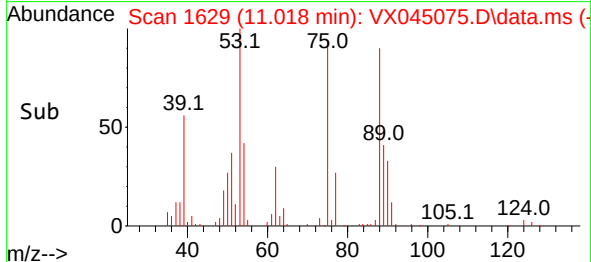
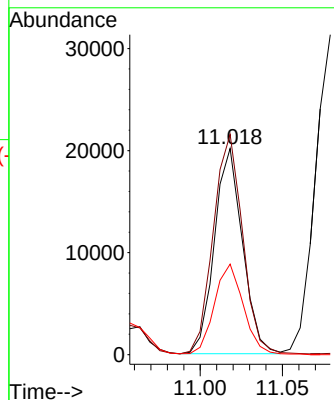
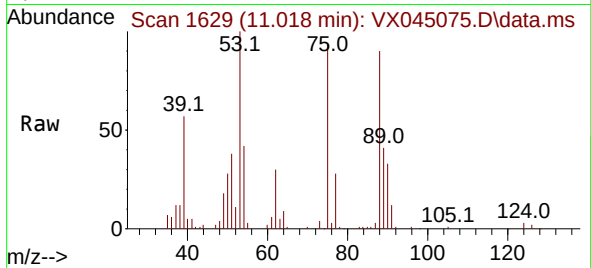




#81
trans-1,4-Dichloro-2-butene
Concen: 50.757 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

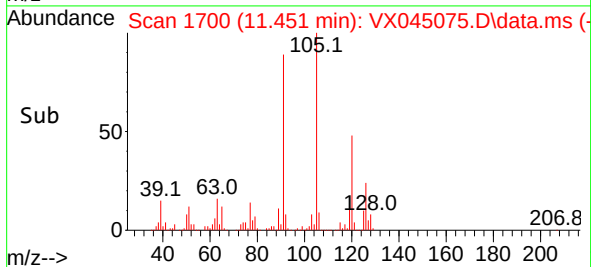
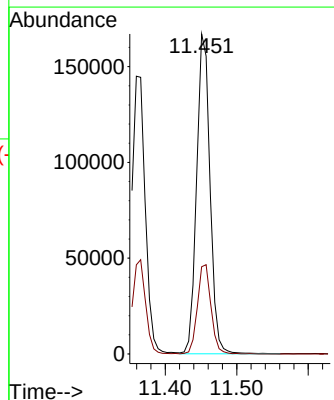
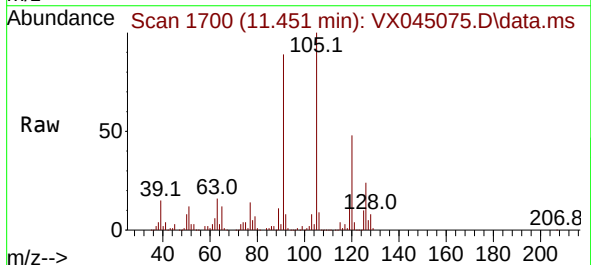
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

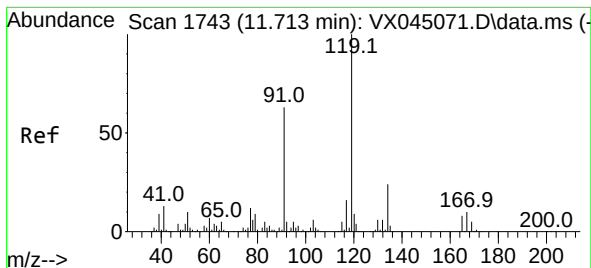
Tgt Ion: 75 Resp: 23943
Ion Ratio Lower Upper
75 100
53 111.4 88.5 132.7
89 45.8 36.2 54.4



#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# 11

Delta R.T. -0.000 min

Lab File: VX045075.D

Acq: 28 Feb 2025 04:33

Instrument :

MSVOA_X

ClientSampleId :

ICVVX022825

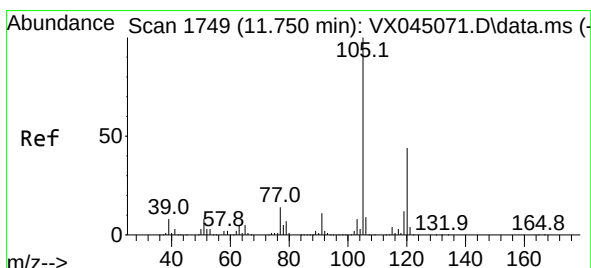
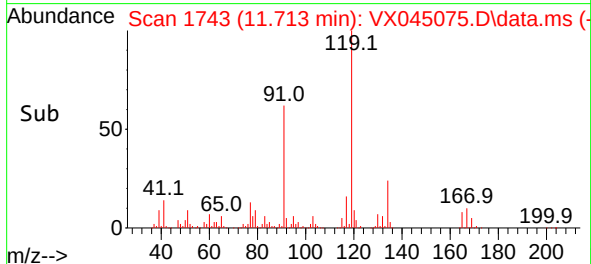
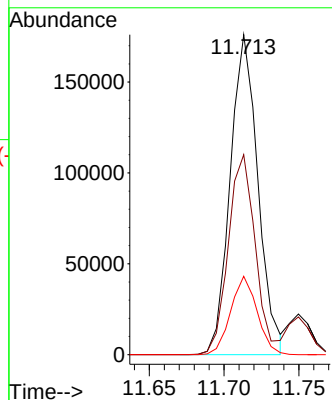
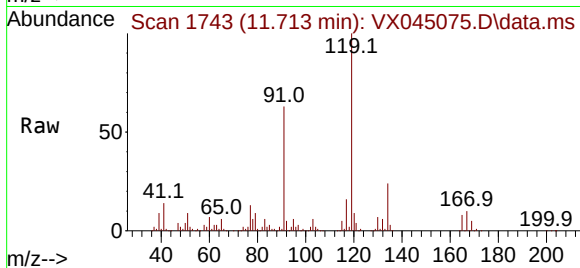
Tgt Ion:119 Resp: 227357

Ion Ratio Lower Upper

119 100

91 61.1 30.7 92.1

134 23.4 11.7 35.0



#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

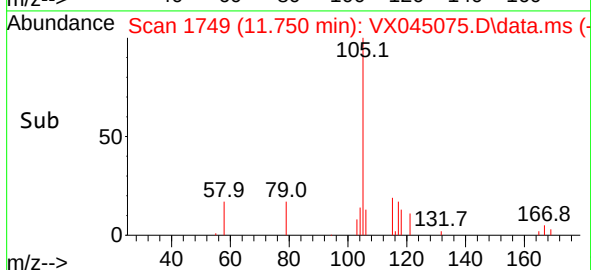
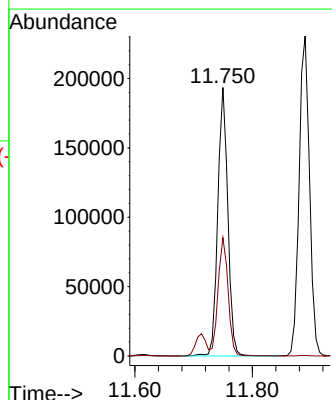
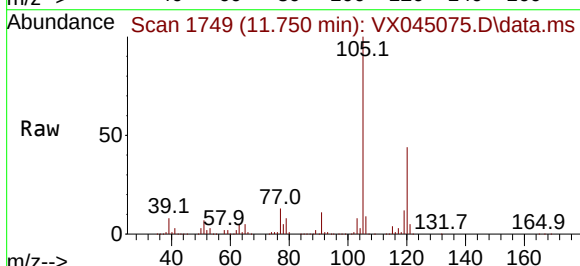
Acq: 28 Feb 2025 04:33

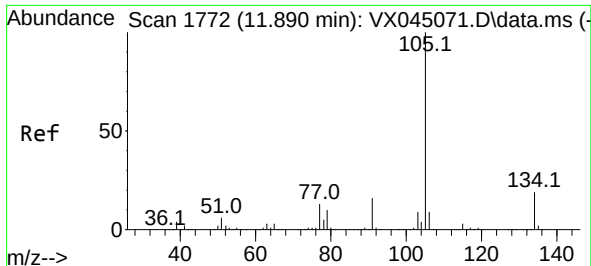
Tgt Ion:105 Resp: 228729

Ion Ratio Lower Upper

105 100

120 44.3 22.1 66.1

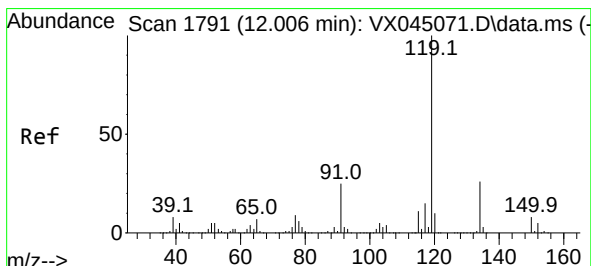
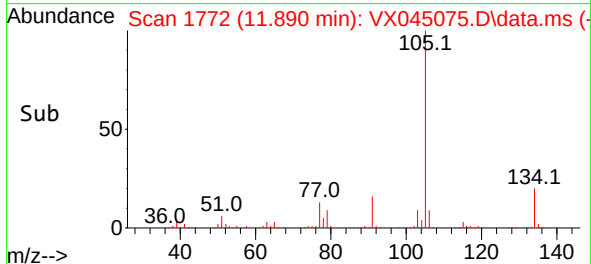
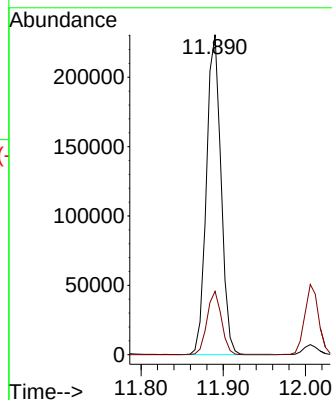
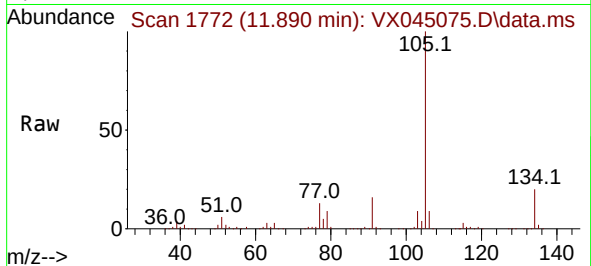




#85
 sec-Butylbenzene
 Concen: 52.703 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX045075.D
 Acq: 28 Feb 2025 04:33

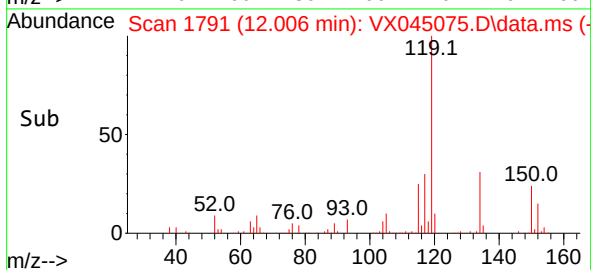
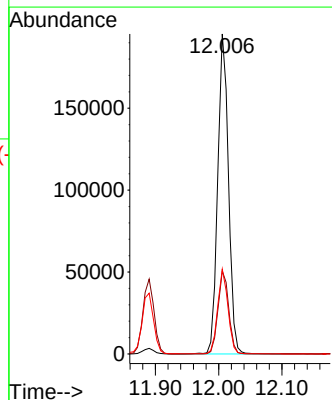
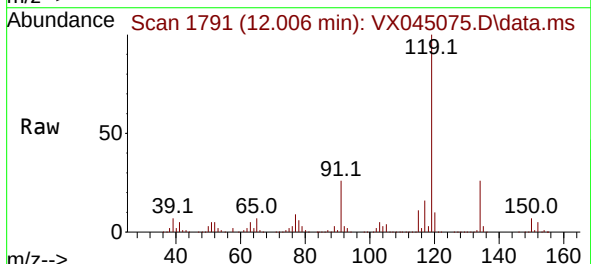
Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX022825

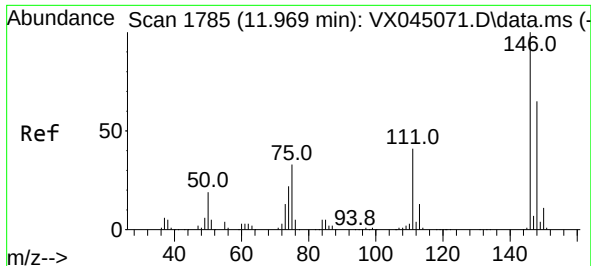
Tgt Ion:105 Resp: 283931
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.4



#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 :

ICVVX022825

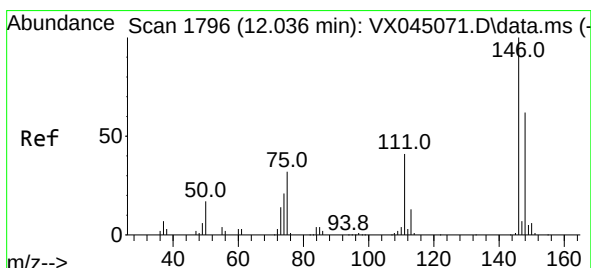
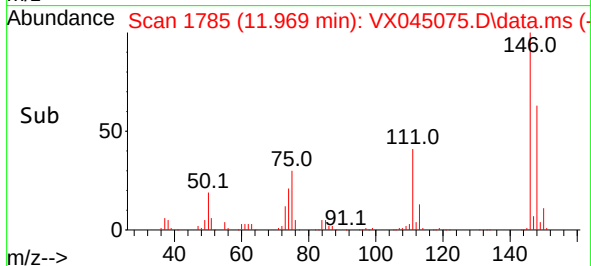
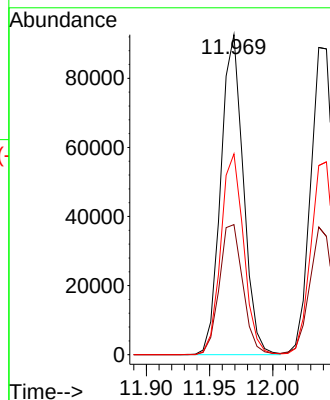
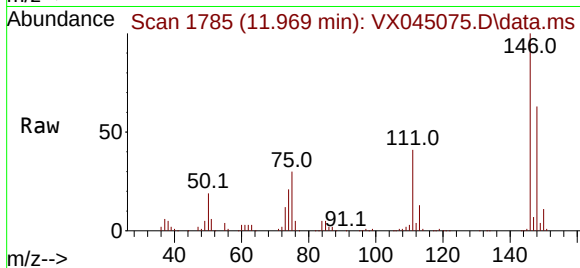
Tgt Ion:146 Resp: 114778

Ion Ratio Lower Upper

146 100

111 42.5 21.1 63.4

148 63.6 31.9 95.7



#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

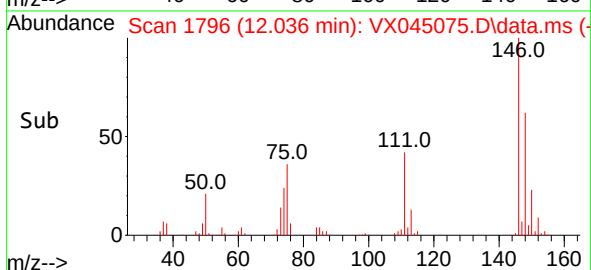
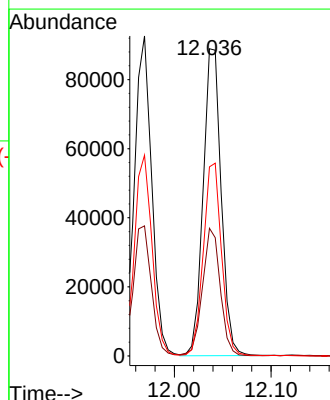
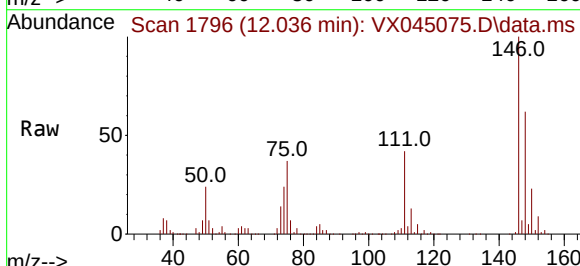
Tgt Ion:146 Resp: 115486

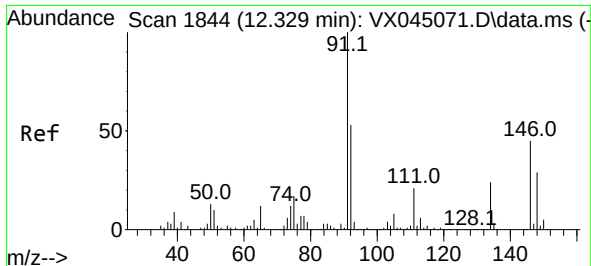
Ion Ratio Lower Upper

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 :

ICVVX022825

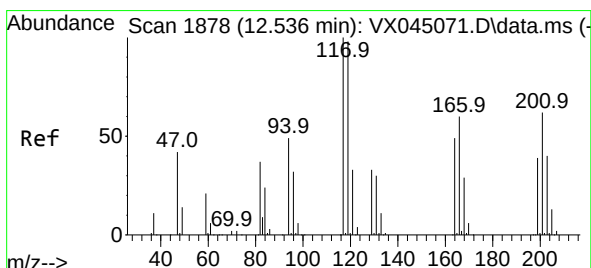
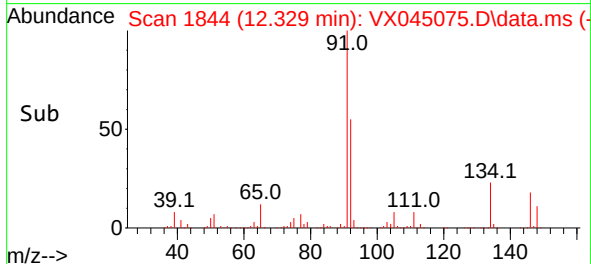
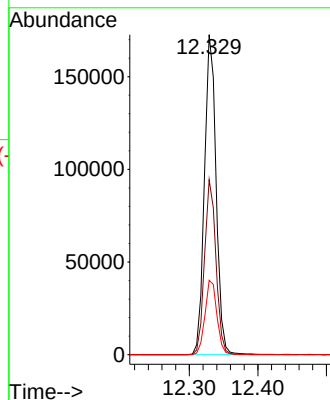
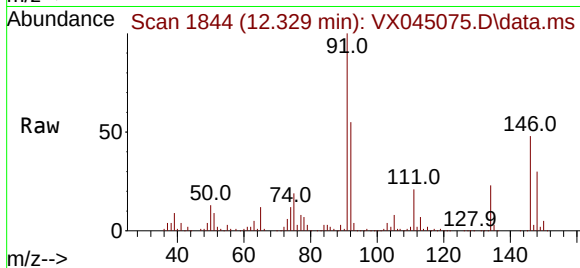
Tgt Ion: 91 Resp: 204972

Ion Ratio Lower Upper

91 100

92 53.8 26.7 80.0

134 23.9 12.2 36.6



#90

Hexachloroethane

Concen: 51.866 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX045075.D

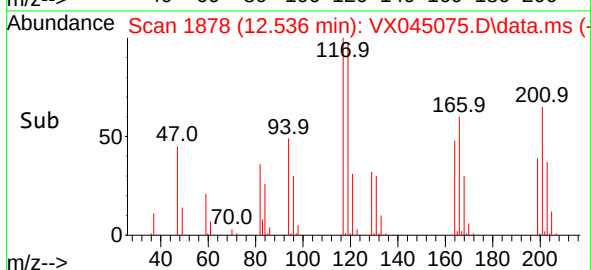
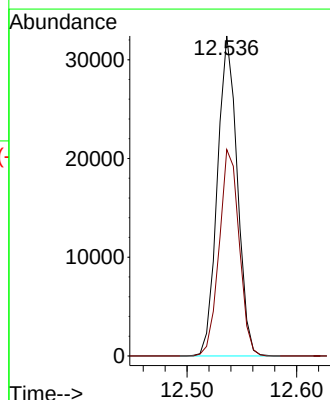
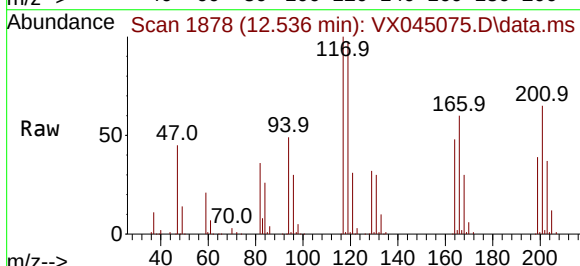
Acq: 28 Feb 2025 04:33

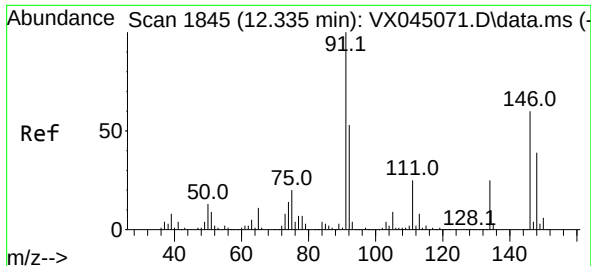
Tgt Ion: 117 Resp: 40844

Ion Ratio Lower Upper

117 100

201 64.7 31.9 95.9

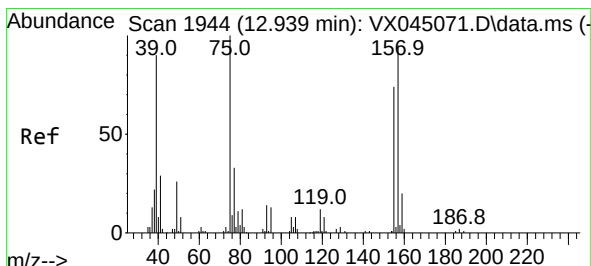
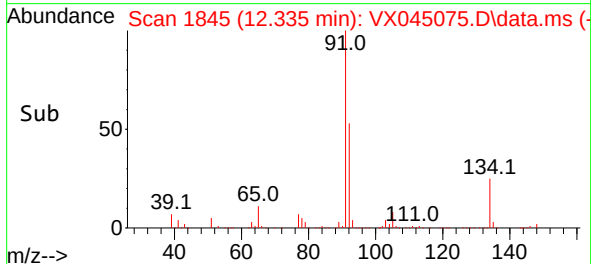
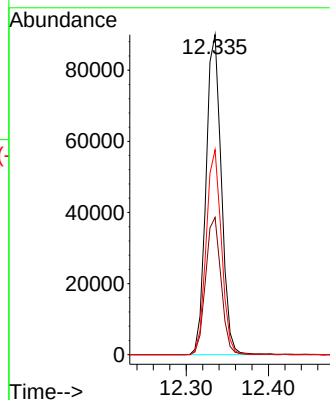
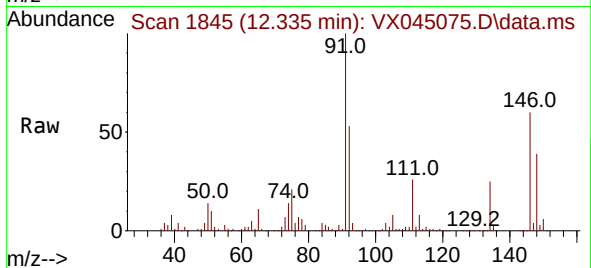




#91
1,2-Dichlorobenzene
Concen: 50.899 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

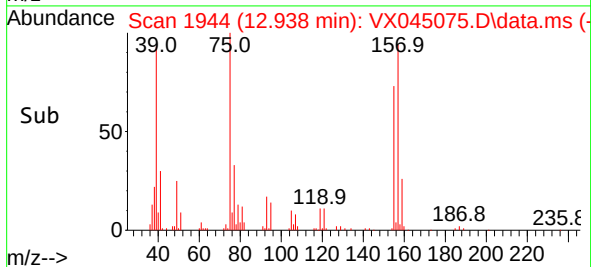
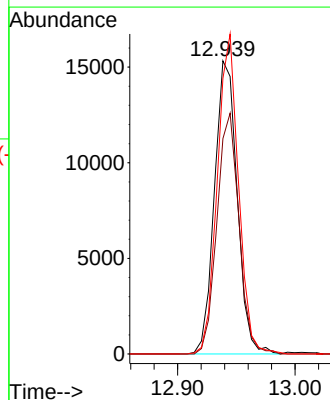
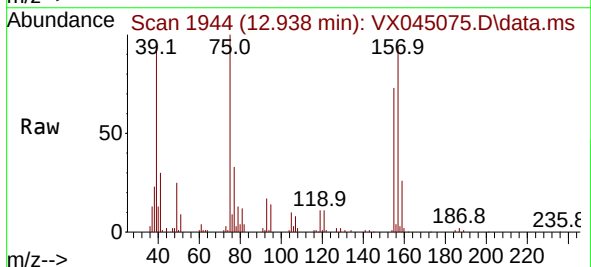
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

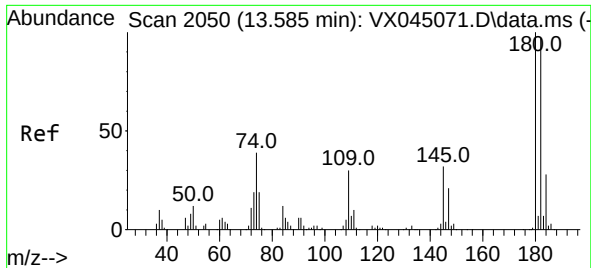
Tgt Ion:	146	Resp:	116343
Ion Ratio	Lower	Upper	
146	100		
111	43.2	21.6	65.0
148	63.9	31.9	95.9



#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

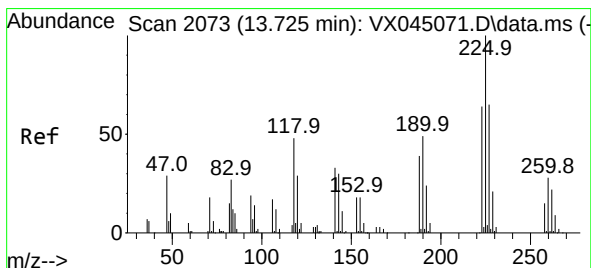
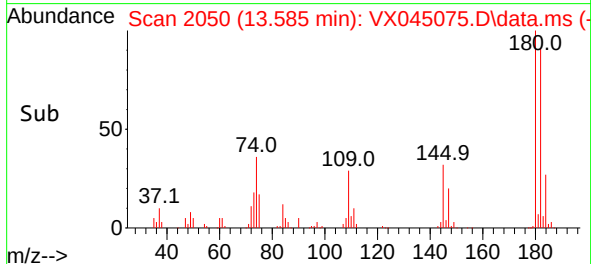
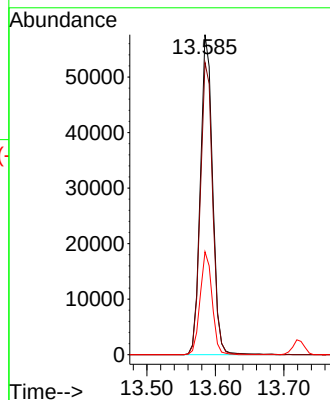
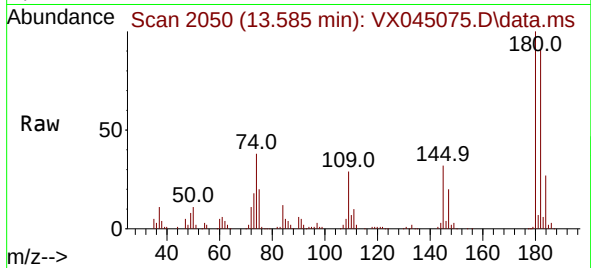




#93
1,2,4-Trichlorobenzene
Concen: 54.834 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

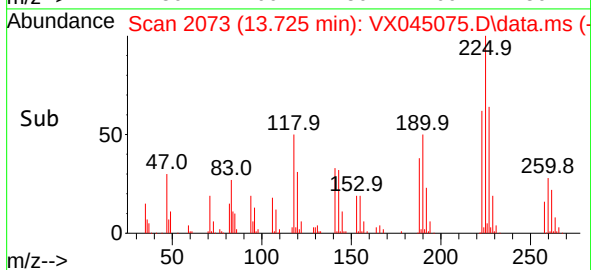
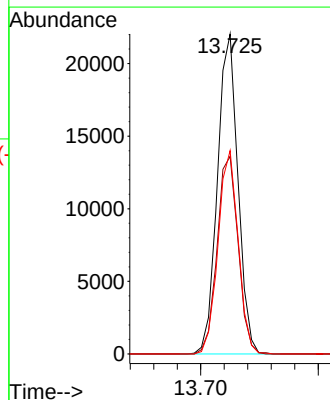
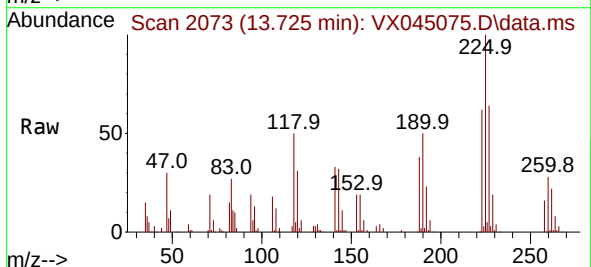
Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

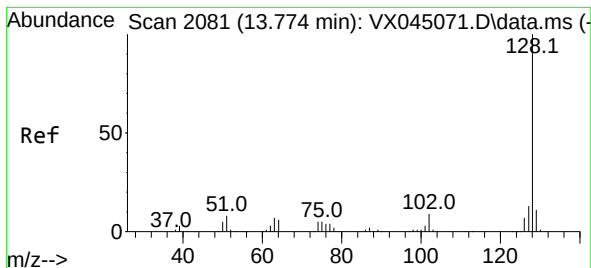
Tgt Ion:180 Resp: 71368
Ion Ratio Lower Upper
180 100
182 92.4 47.3 141.9
145 31.6 16.3 48.9



#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

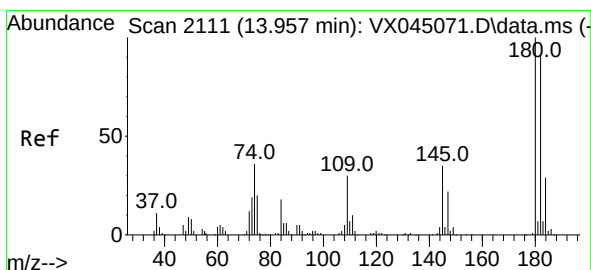
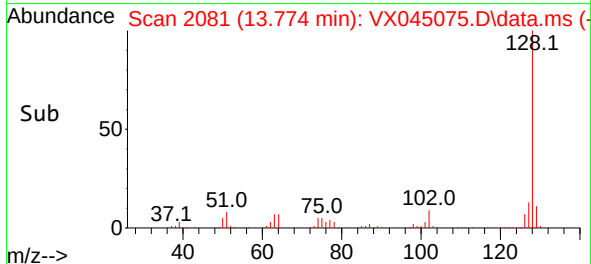
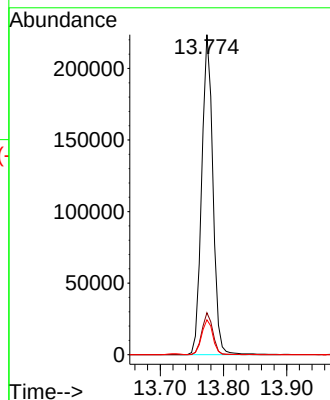
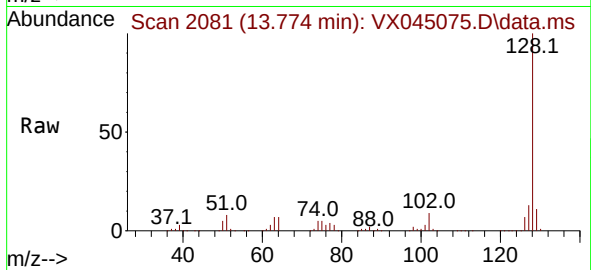
Tgt Ion:128 Resp: 275844

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 10.9 8.7 13.1



#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

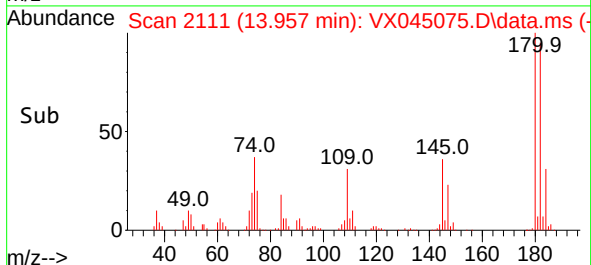
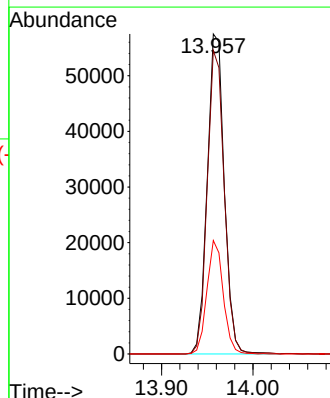
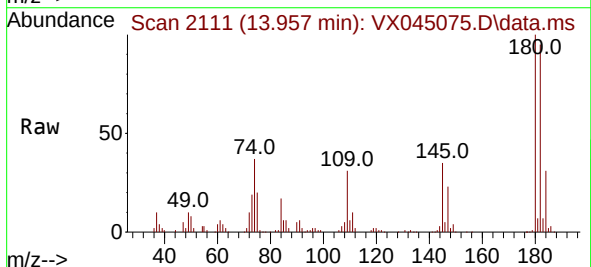
Tgt Ion:180 Resp: 74211

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 : VX045077.D
 Acq On : 28 Feb 2025 10:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 28 14:27:49 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	111989	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.751	114	196414	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	172369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76314	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	82143	46.113	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.220%
35) Dibromofluoromethane	5.373	113	65054	49.532	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.060%
50) Toluene-d8	8.647	98	237369	49.853	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.700%
62) 4-Bromofluorobenzene	11.079	95	79413	50.332	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.660%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	70744	50.185	ug/l	96
3) Chloromethane	1.300	50	83018	48.123	ug/l	100
4) Vinyl Chloride	1.374	62	81653	47.712	ug/l	98
5) Bromomethane	1.593	94	31592	46.959	ug/l	98
6) Chloroethane	1.660	64	31648	40.092	ug/l	99
7) Trichlorofluoromethane	1.867	101	111880	49.383	ug/l	98
8) Diethyl Ether	2.136	74	40610	45.828	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.312	101	66640	51.199	ug/l	99
10) Methyl Iodide	2.440	142	76401	46.970	ug/l	98
11) Tert butyl alcohol	2.995	59	65838	195.124	ug/l	99
12) 1,1-Dichloroethene	2.306	96	65383	47.513	ug/l	98
13) Acrolein	2.233	56	101424	260.033	ug/l	99
14) Allyl chloride	2.654	41	121309	49.523	ug/l	99
15) Acrylonitrile	3.062	53	203403	224.925	ug/l	99
16) Acetone	2.386	43	174653	211.319	ug/l	98
17) Carbon Disulfide	2.501	76	175990	48.016	ug/l	97
18) Methyl Acetate	2.703	43	88925	44.725	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	216663	46.929	ug/l	97
20) Methylene Chloride	2.782	84	74677	45.613	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	65595	48.249	ug/l	99
22) Diisopropyl ether	3.757	45	240622	48.301	ug/l	93
23) Vinyl Acetate	3.715	43	1044255	251.185	ug/l	99
24) 1,1-Dichloroethane	3.599	63	130733	46.825	ug/l	99
25) 2-Butanone	4.556	43	286458	230.258	ug/l	100
26) 2,2-Dichloropropane	4.464	77	95125	72.639	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	79716	47.500	ug/l	97
28) Bromochloromethane	4.891	49	61824	46.457	ug/l	98
29) Tetrahydrofuran	5.001	42	187451	224.369	ug/l	100
30) Chloroform	5.086	83	127656	46.017	ug/l	98
31) Cyclohexane	5.458	56	120742	49.820	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	106176	47.389	ug/l	99
36) 1,1-Dichloropropene	5.684	75	88691	49.241	ug/l	99
37) Ethyl Acetate	4.714	43	110594	47.651	ug/l	98
38) Carbon Tetrachloride	5.665	117	90184	49.318	ug/l	97
39) Methylcyclohexane	7.372	83	121207	56.161	ug/l	98
40) Benzene	6.031	78	281425	49.480	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045077.D
 Acq On : 28 Feb 2025 10:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 28 14:27:49 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	60396	48.126	ug/l	98
42) 1,2-Dichloroethane	6.080	62	97091	47.405	ug/l	100
43) Isopropyl Acetate	6.336	43	172076	50.139	ug/l	100
44) Trichloroethene	7.116	130	64399	48.221	ug/l	99
45) 1,2-Dichloropropane	7.421	63	70234	48.028	ug/l	99
46) Dibromomethane	7.574	93	50957	49.300	ug/l	98
47) Bromodichloromethane	7.818	83	99834	49.243	ug/l	99
48) Methyl methacrylate	7.689	41	86144	50.032	ug/l	100
49) 1,4-Dioxane	7.659	88	33152	912.798	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	554547	240.651	ug/l	100
52) Toluene	8.714	92	170814	51.187	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	94873	55.975	ug/l	95
54) cis-1,3-Dichloropropene	8.360	75	108220	54.755	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	64904	47.245	ug/l	98
56) Ethyl methacrylate	9.116	69	107621	51.537	ug/l	100
57) 1,3-Dichloropropane	9.305	76	115487	48.576	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	273540	268.530	ug/l	99
59) 2-Hexanone	9.427	43	403729	241.811	ug/l	99
60) Dibromochloromethane	9.518	129	72136	50.220	ug/l	99
61) 1,2-Dibromoethane	9.604	107	67190	48.992	ug/l	98
64) Tetrachloroethene	9.268	164	54912	49.741	ug/l	94
65) Chlorobenzene	10.073	112	179056	49.093	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	59227	48.762	ug/l	98
67) Ethyl Benzene	10.189	91	323851	50.959	ug/l	98
68) m/p-Xylenes	10.299	106	239135	102.789	ug/l	99
69) o-Xylene	10.640	106	118067	50.318	ug/l	98
70) Styrene	10.652	104	197009	51.891	ug/l	99
71) Bromoform	10.799	173	46267	50.513	ug/l #	97
73) Isopropylbenzene	10.957	105	303194	50.901	ug/l	100
74) N-amyl acetate	10.841	43	145178	51.942	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	101813	46.579	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	106841	60.151	ug/l	87
77) Bromobenzene	11.195	156	69846	49.698	ug/l	98
78) n-propylbenzene	11.299	91	354229	52.644	ug/l	100
79) 2-Chlorotoluene	11.360	91	209700	48.935	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	247465	51.381	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	28438	54.791	ug/l	98
82) 4-Chlorotoluene	11.451	91	235030	50.324	ug/l	99
83) tert-Butylbenzene	11.713	119	249434	50.405	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	249084	51.398	ug/l	99
85) sec-Butylbenzene	11.890	105	314975	53.135	ug/l	99
86) p-Isopropyltoluene	12.006	119	256666	53.578	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	126673	50.525	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	126155	49.736	ug/l	99
89) n-Butylbenzene	12.329	91	234896	56.931	ug/l	100
90) Hexachloroethane	12.536	117	44665	51.547	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	126089	50.134	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20546	48.248	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	78708	54.961	ug/l	100
94) Hexachlorobutadiene	13.725	225	30769	52.406	ug/l	97
95) Naphthalene	13.774	128	288129	52.367	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	79762	52.796	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045077.D
Acq On : 28 Feb 2025 10:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Feb 28 14:27:49 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

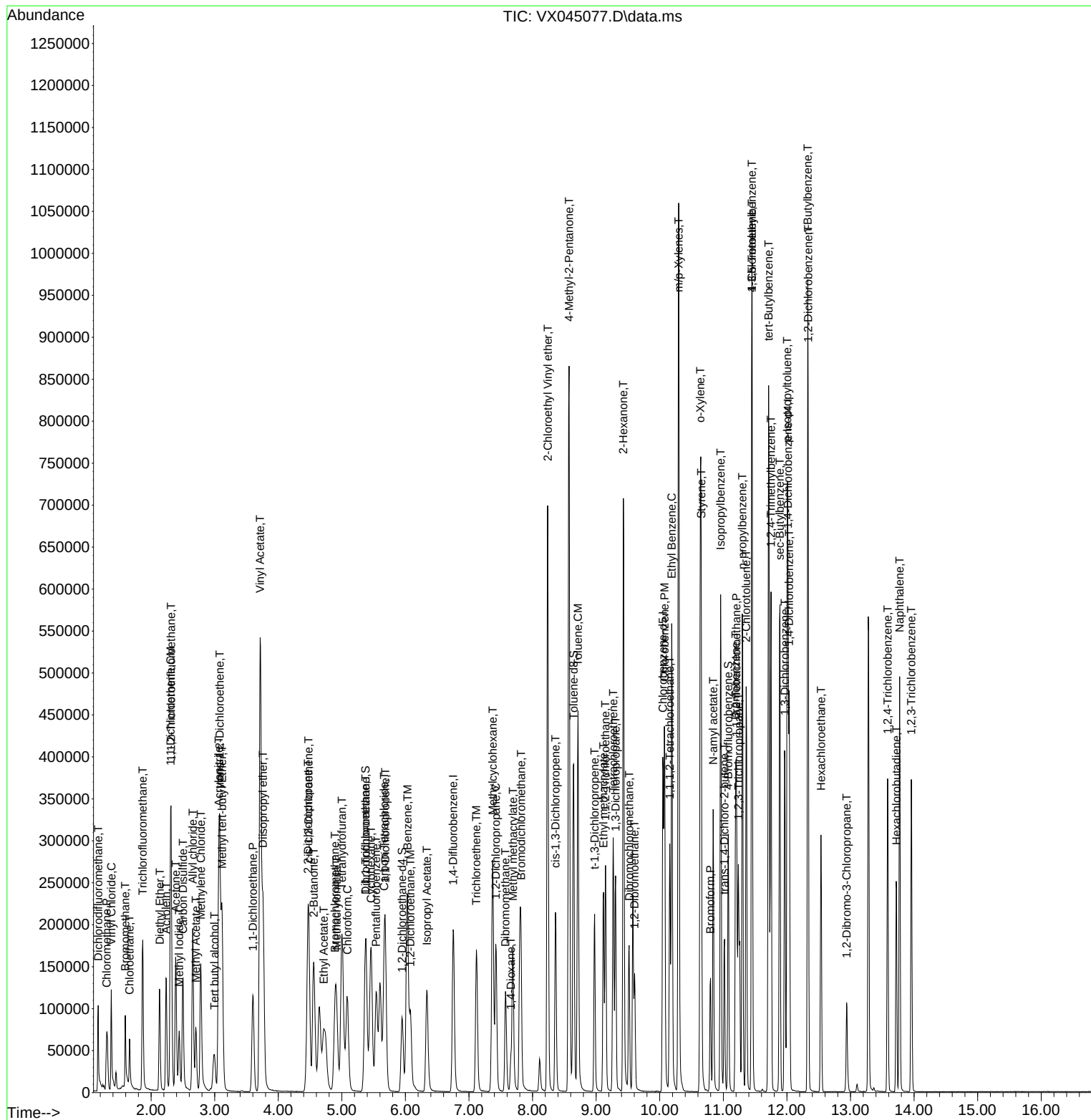
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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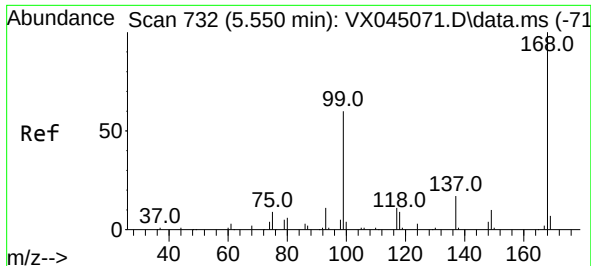
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045077.D
Acq On : 28 Feb 2025 10:32
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Feb 28 14:27:49 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

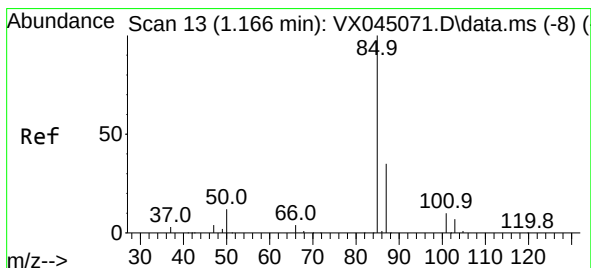
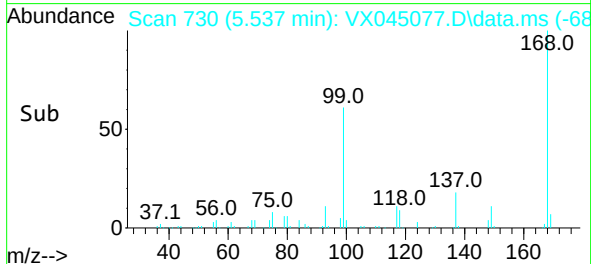
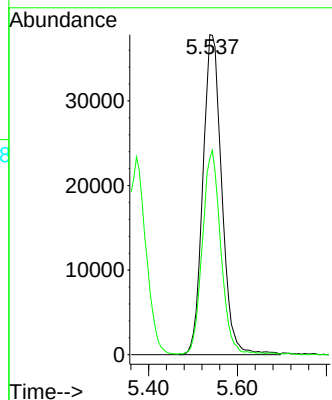
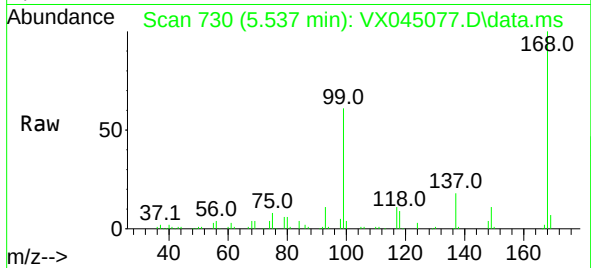




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.013 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

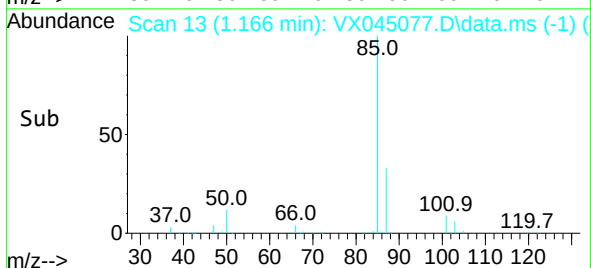
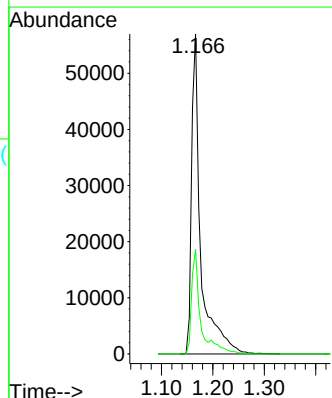
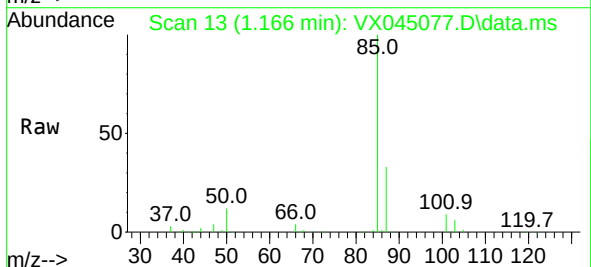
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

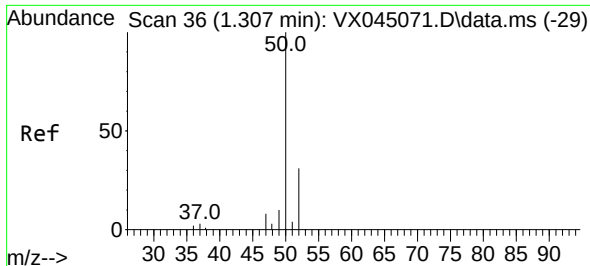
Tgt Ion:168 Resp: 111989
Ion Ratio Lower Upper
168 100
99 60.9 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 50.185 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 85 Resp: 70744
Ion Ratio Lower Upper
85 100
87 32.7 17.4 52.3

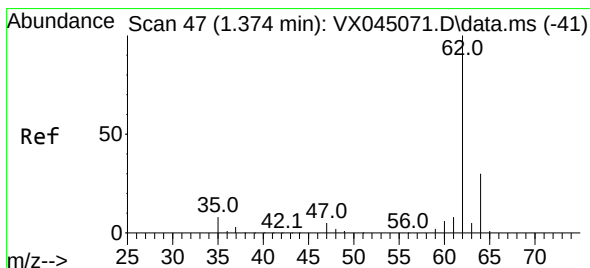
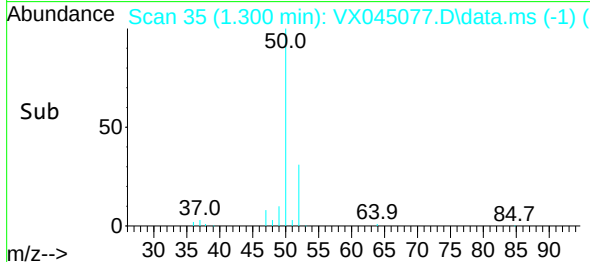
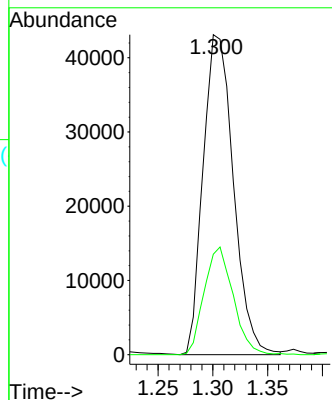
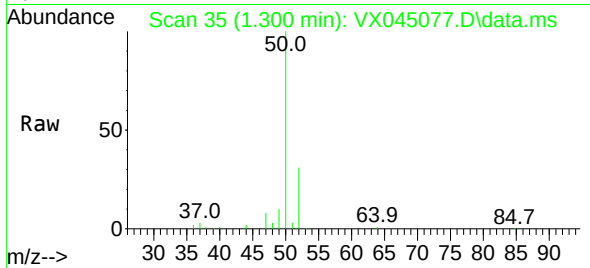




#3
Chloromethane
Concen: 48.123 ug/l
RT: 1.300 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

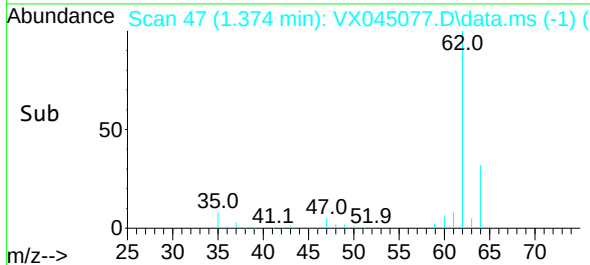
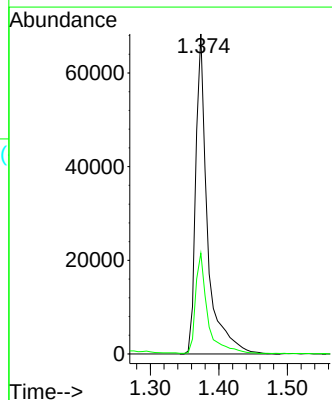
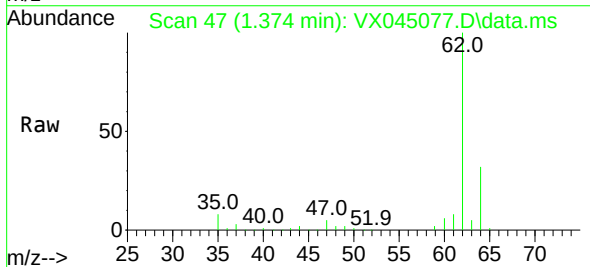
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

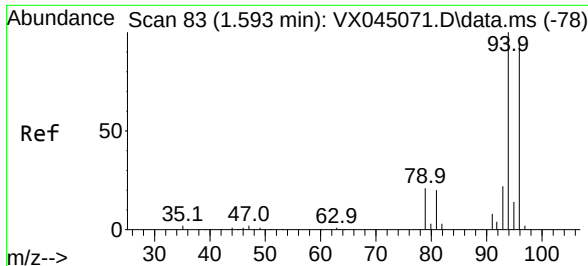
Tgt Ion: 50 Resp: 83018
Ion Ratio Lower Upper
50 100
52 31.4 25.0 37.4



#4
Vinyl Chloride
Concen: 47.712 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 62 Resp: 81653
Ion Ratio Lower Upper
62 100
64 31.4 24.3 36.5

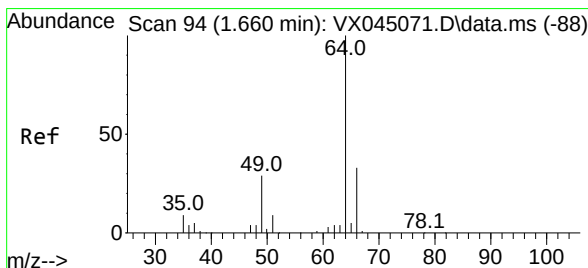
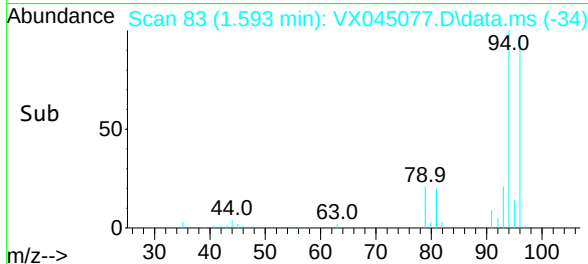
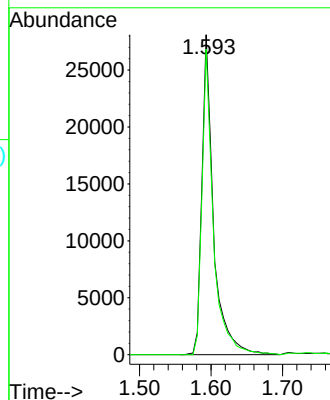
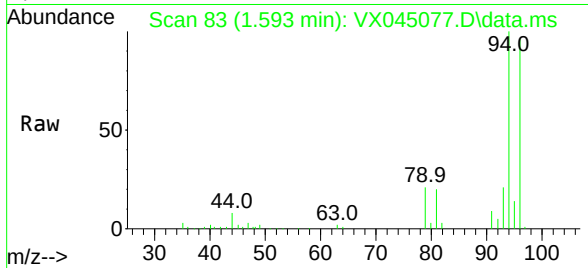




#5
Bromomethane
Concen: 46.959 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

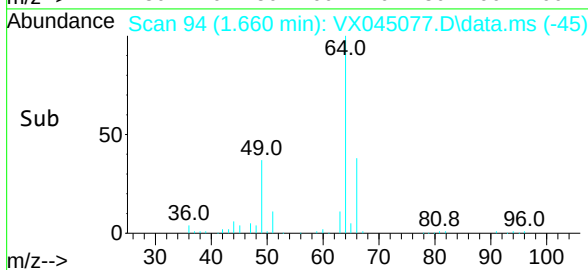
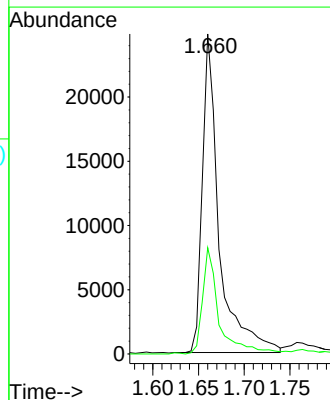
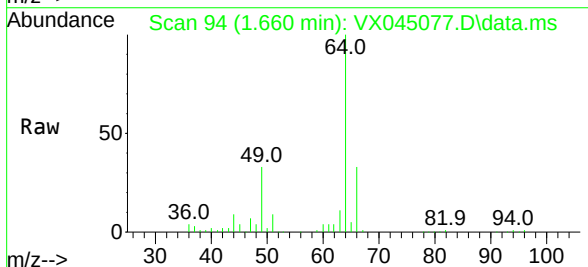
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

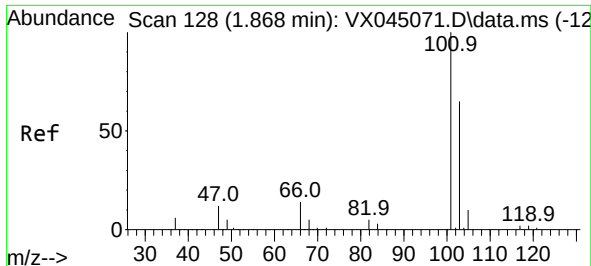
Tgt Ion: 94 Resp: 31592
Ion Ratio Lower Upper
94 100
96 95.5 75.0 112.4



#6
Chloroethane
Concen: 40.092 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 64 Resp: 31648
Ion Ratio Lower Upper
64 100
66 33.1 26.7 40.1

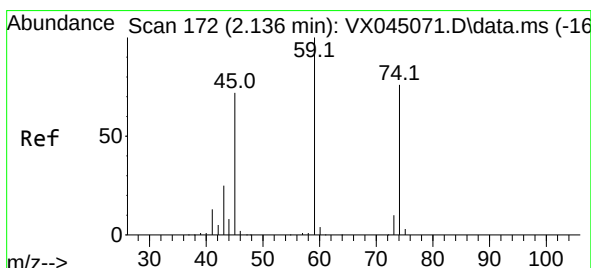
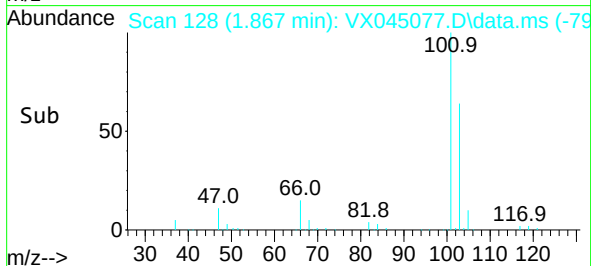
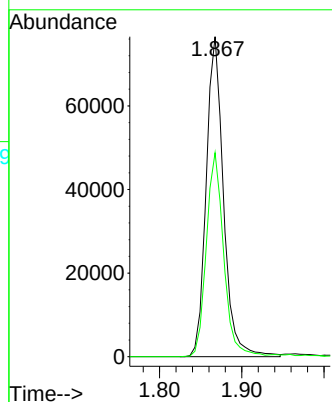
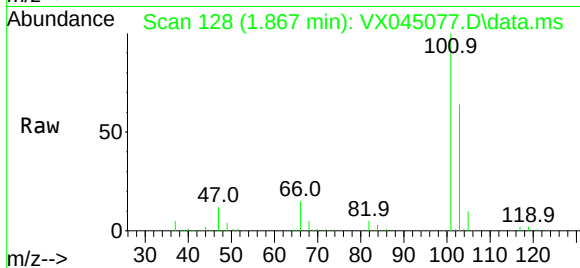




#7
Trichlorofluoromethane
Concen: 49.383 ug/l
RT: 1.867 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

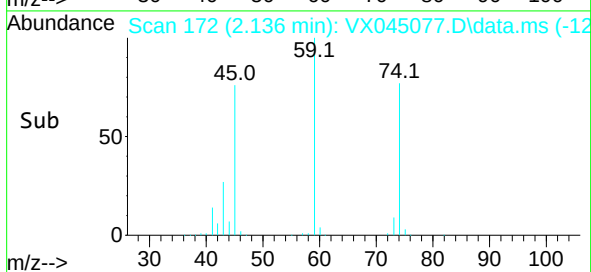
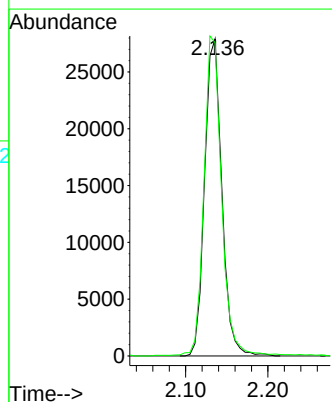
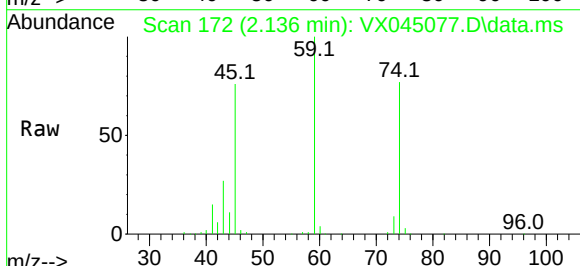
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

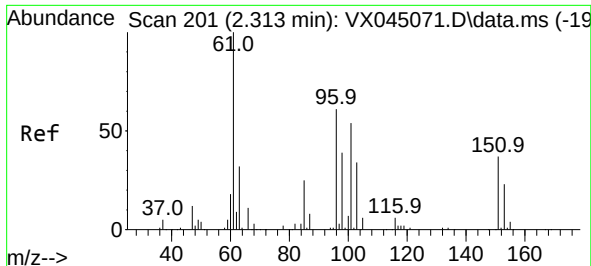
Tgt Ion:101 Resp: 111880
Ion Ratio Lower Upper
101 100
103 63.8 52.1 78.1



#8
Diethyl Ether
Concen: 45.828 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 74 Resp: 40610
Ion Ratio Lower Upper
74 100
45 103.8 51.5 154.5

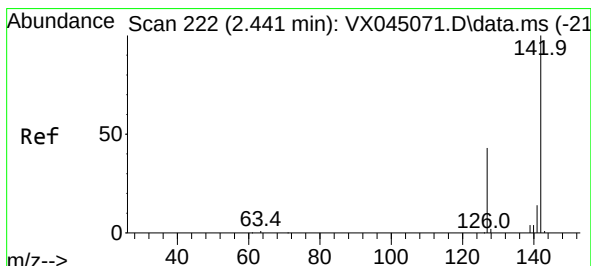
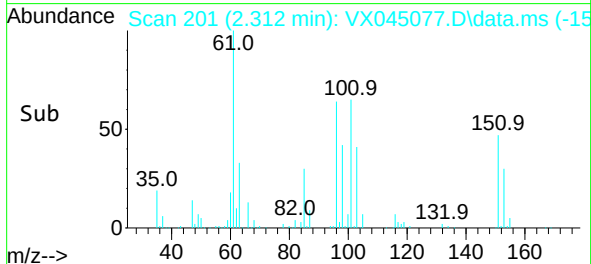
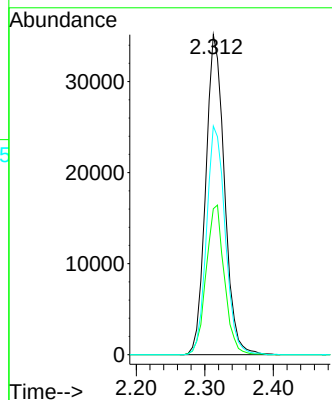
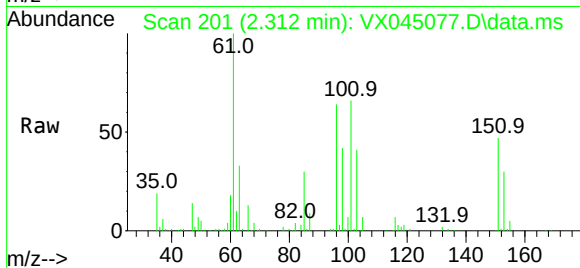




#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.199 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

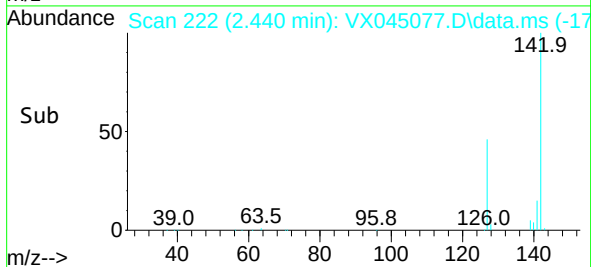
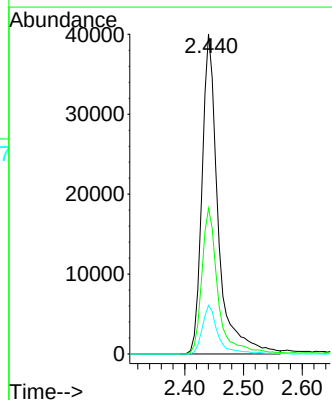
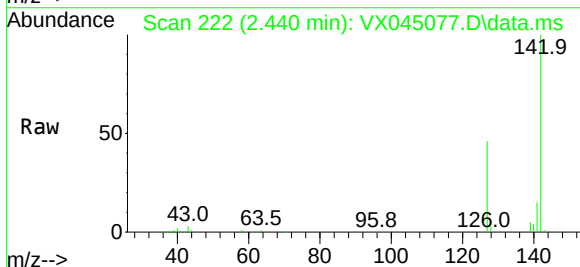
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

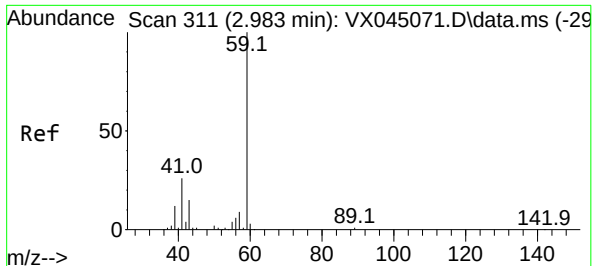
Tgt Ion:101 Resp: 66640
Ion Ratio Lower Upper
101 100
85 45.8 36.2 54.4
151 71.6 56.4 84.6



#10
Methyl Iodide
Concen: 46.970 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:142 Resp: 76401
Ion Ratio Lower Upper
142 100
127 45.8 35.4 53.2
141 14.6 11.6 17.4

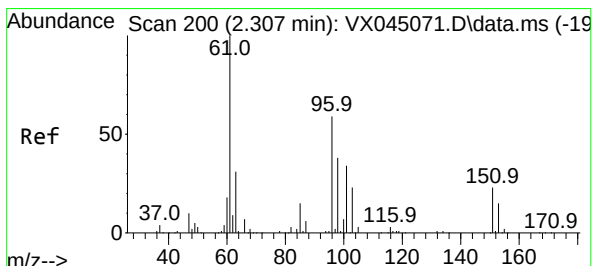
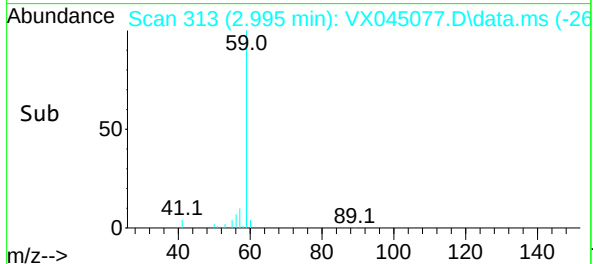
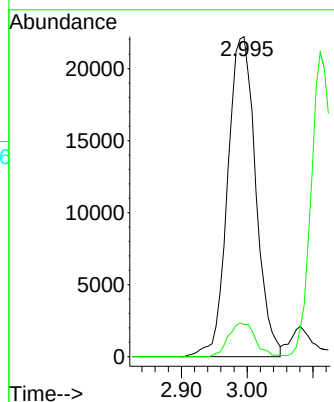
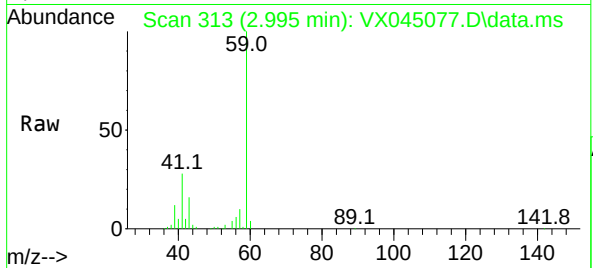




#11
Tert butyl alcohol
Concen: 195.124 ug/l
RT: 2.995 min Scan# 311
Delta R.T. 0.012 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

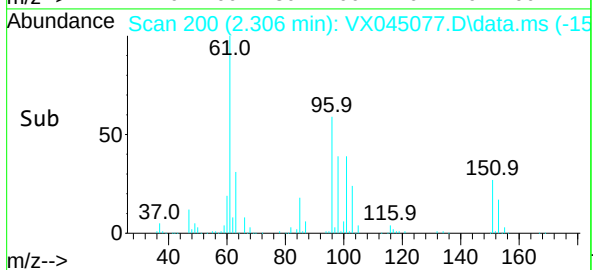
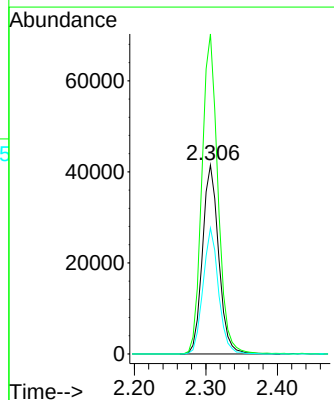
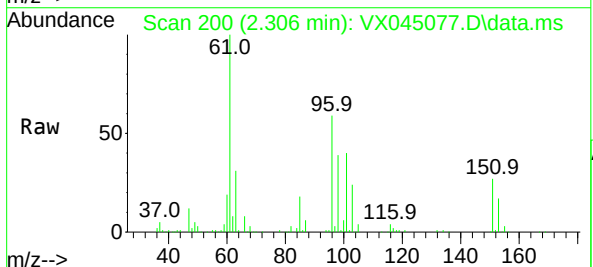
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

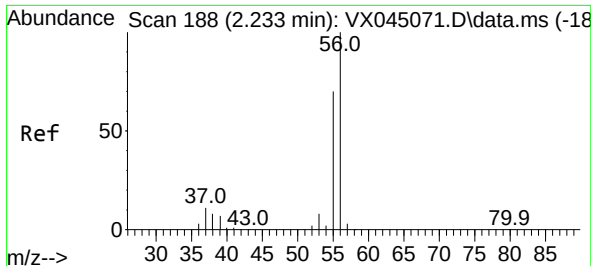
Tgt Ion: 59 Resp: 65838
Ion Ratio Lower Upper
59 100
57 10.2 7.8 11.8



#12
1,1-Dichloroethene
Concen: 47.513 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 96 Resp: 65383
Ion Ratio Lower Upper
96 100
61 169.5 134.6 202.0
98 66.7 51.0 76.6

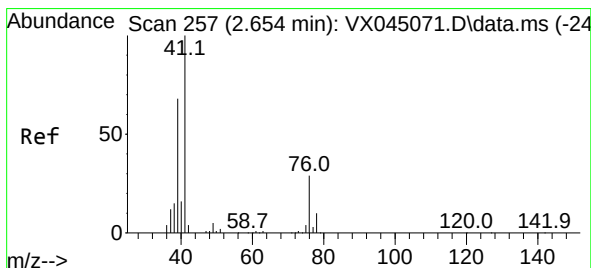
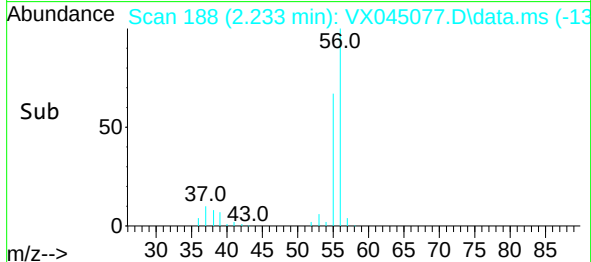
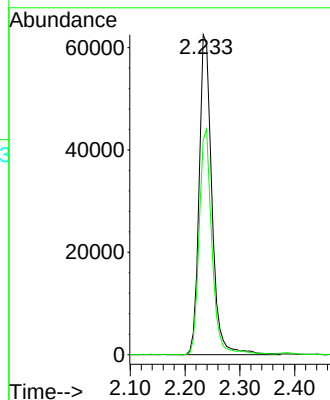
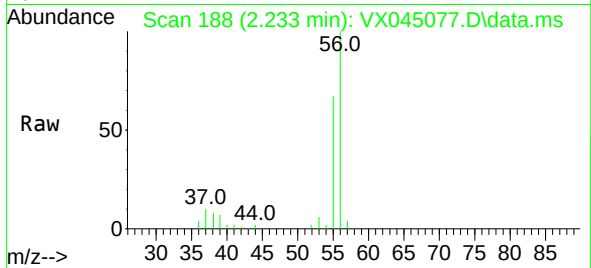




#13
Acrolein
Concen: 260.033 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

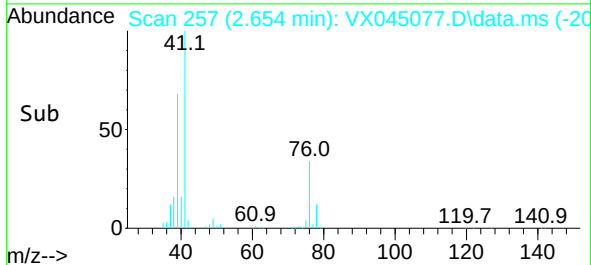
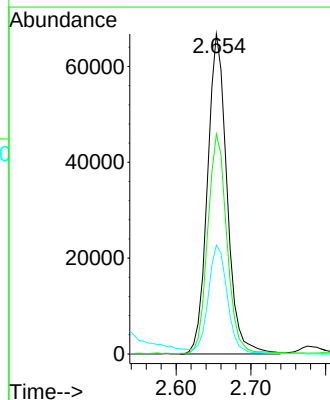
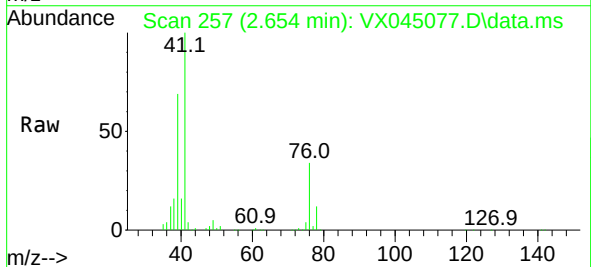
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

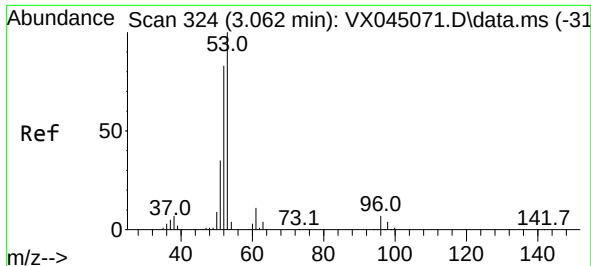
Tgt Ion: 56 Resp: 101424
Ion Ratio Lower Upper
56 100
55 69.3 56.2 84.4



#14
Allyl chloride
Concen: 49.523 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 41 Resp: 121309
Ion Ratio Lower Upper
41 100
39 67.2 53.8 80.8
76 33.1 25.2 37.8

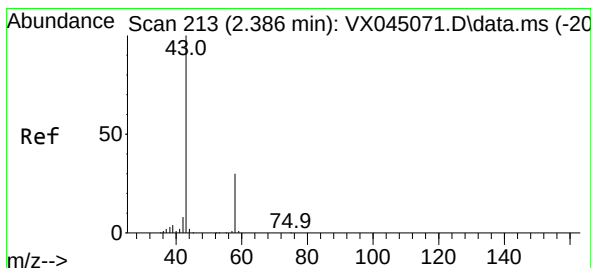
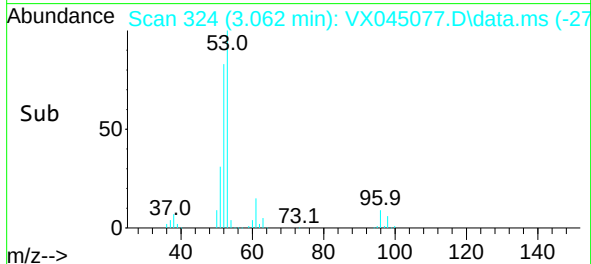
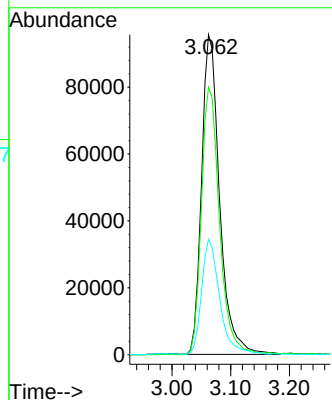
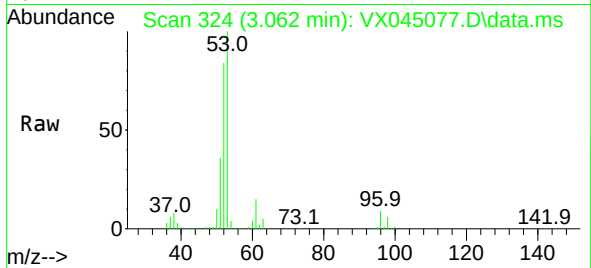




#15
Acrylonitrile
Concen: 224.925 ug/l
RT: 3.062 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

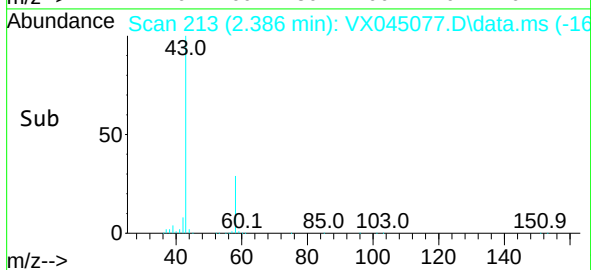
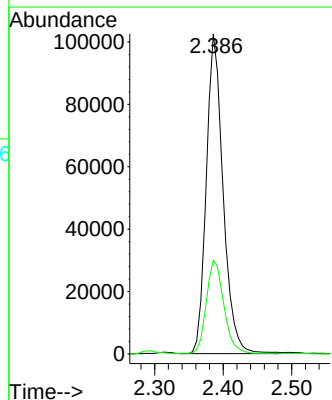
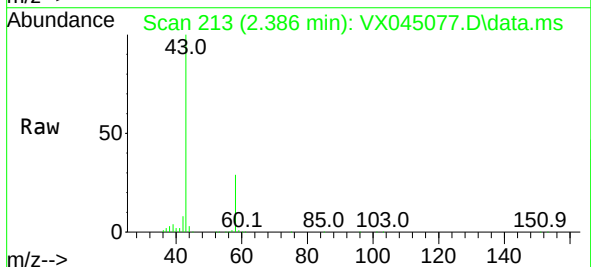
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

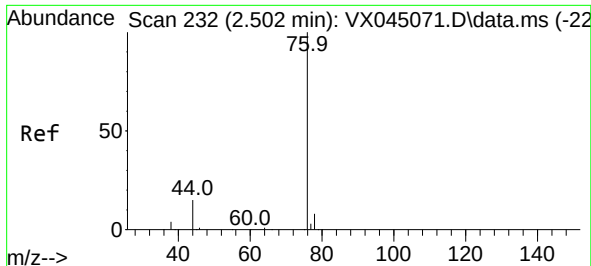
Tgt Ion: 53 Resp: 203403
Ion Ratio Lower Upper
53 100
52 84.2 66.2 99.2
51 36.1 29.0 43.4



#16
Acetone
Concen: 211.319 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 43 Resp: 174653
Ion Ratio Lower Upper
43 100
58 29.2 24.2 36.4

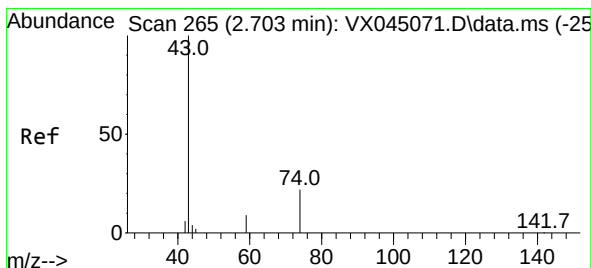
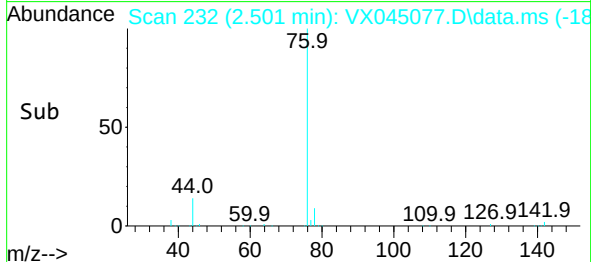
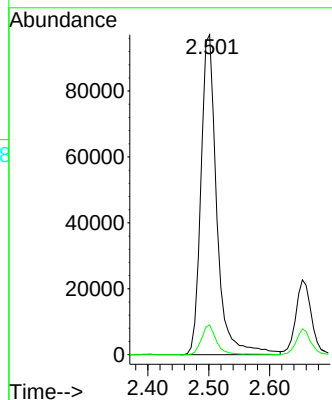
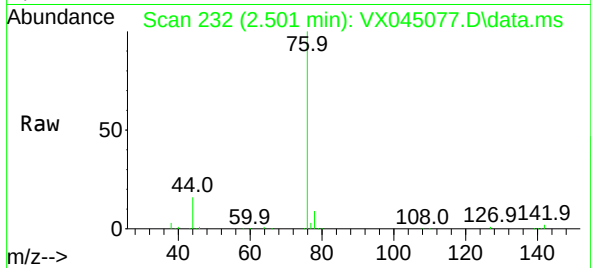




#17
Carbon Disulfide
Concen: 48.016 ug/l
RT: 2.501 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

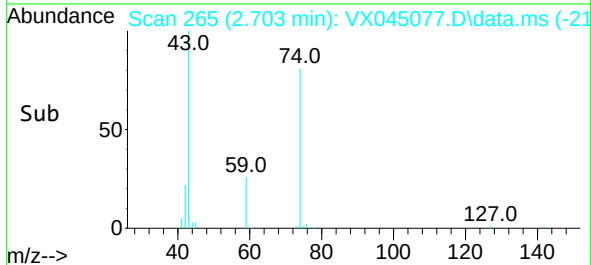
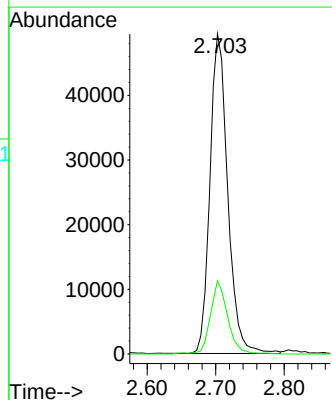
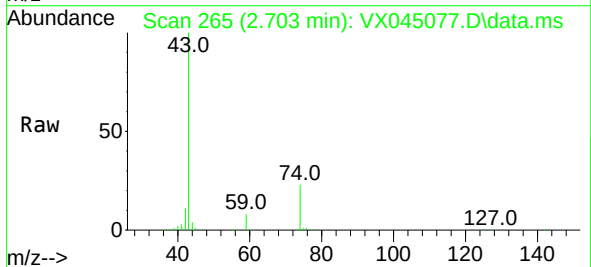
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

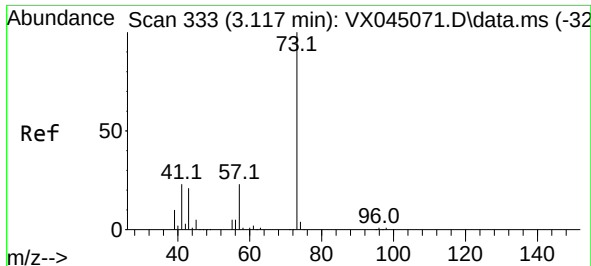
Tgt Ion: 76 Resp: 175990
Ion Ratio Lower Upper
76 100
78 9.3 6.6 9.8



#18
Methyl Acetate
Concen: 44.725 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 43 Resp: 88925
Ion Ratio Lower Upper
43 100
74 22.3 17.4 26.2

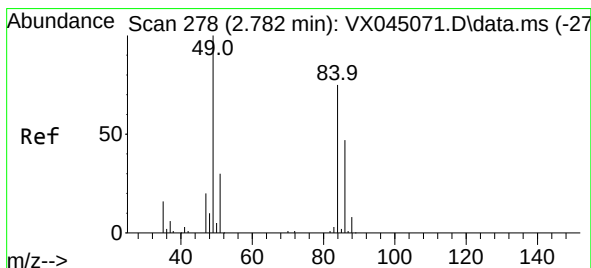
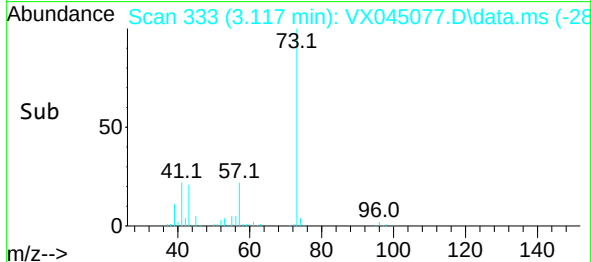
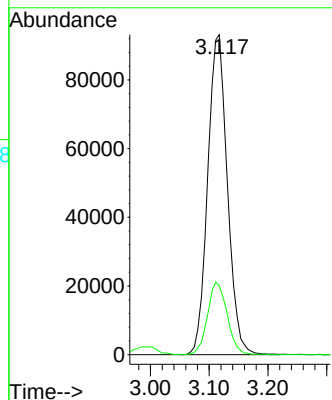
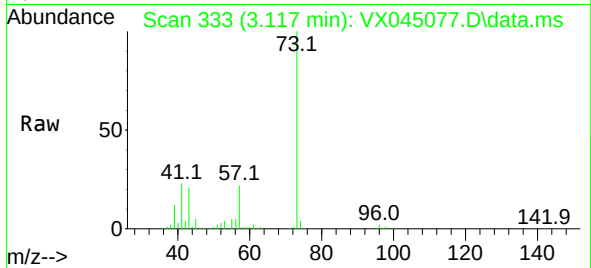




#19
Methyl tert-butyl Ether
Concen: 46.929 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

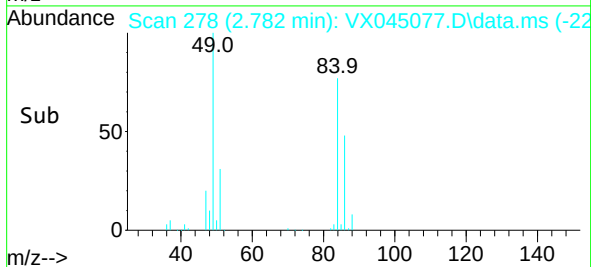
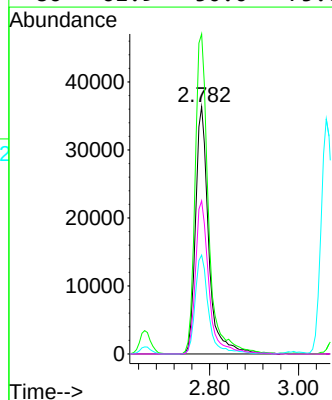
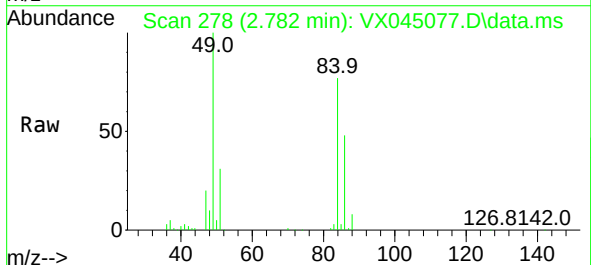
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

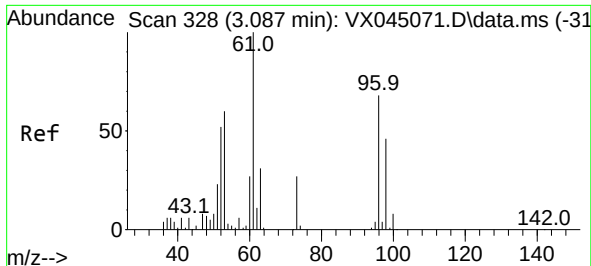
Tgt Ion: 73 Resp: 216663
Ion Ratio Lower Upper
73 100
57 21.5 18.5 27.7



#20
Methylene Chloride
Concen: 45.613 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 84 Resp: 74677
Ion Ratio Lower Upper
84 100
49 129.4 106.5 159.7
51 40.0 32.1 48.1
86 61.9 50.0 75.0

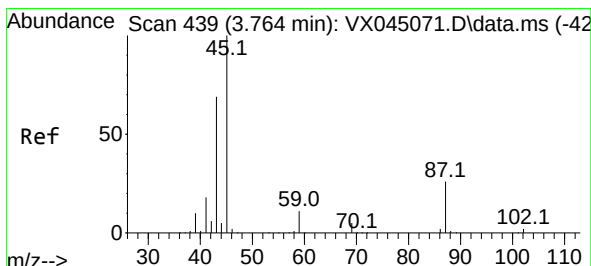
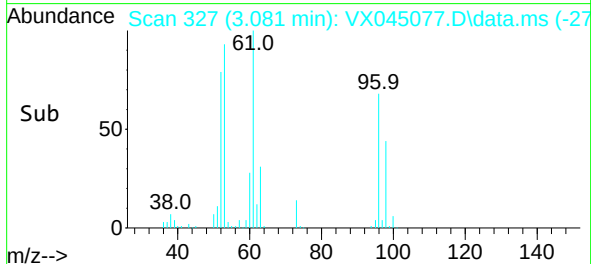
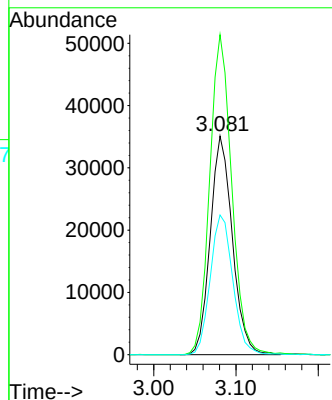
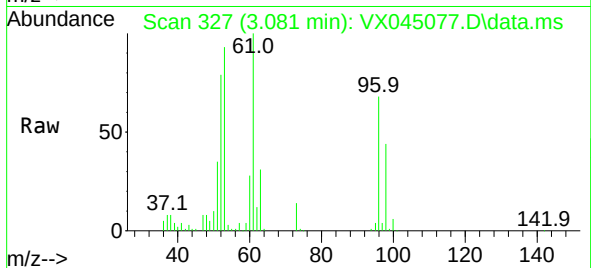




#21
trans-1,2-Dichloroethene
Concen: 48.249 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

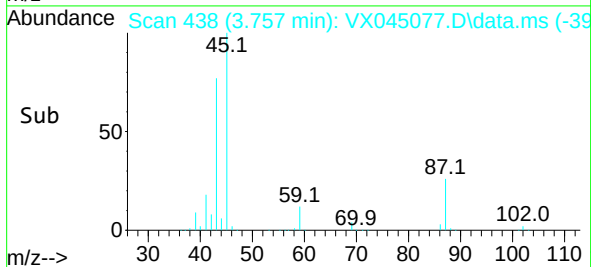
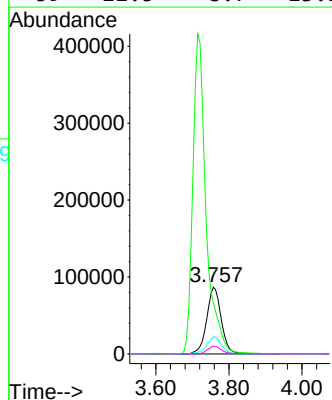
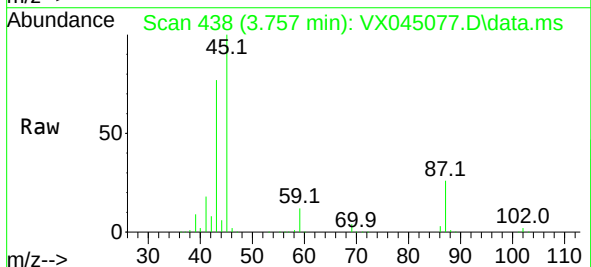
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

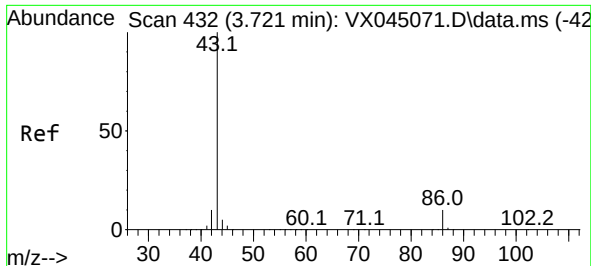
Tgt Ion: 96 Resp: 65595
Ion Ratio Lower Upper
96 100
61 146.4 117.0 175.4
98 64.0 53.4 80.2



#22
Diisopropyl ether
Concen: 48.301 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 45 Resp: 240622
Ion Ratio Lower Upper
45 100
43 76.9 54.9 82.3
87 25.7 21.0 31.4
59 11.5 8.7 13.1

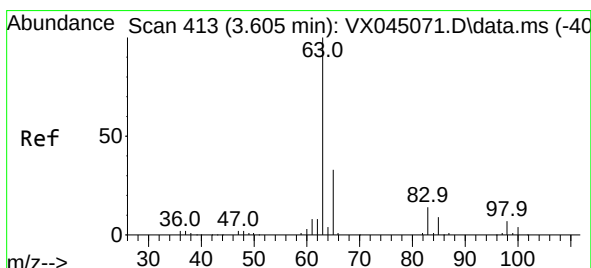
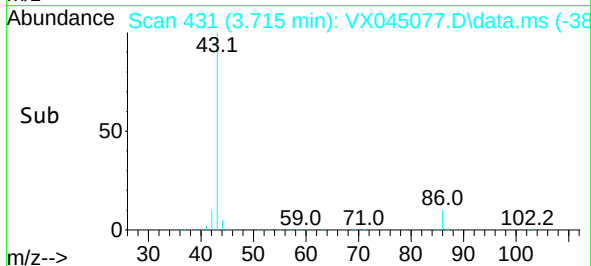
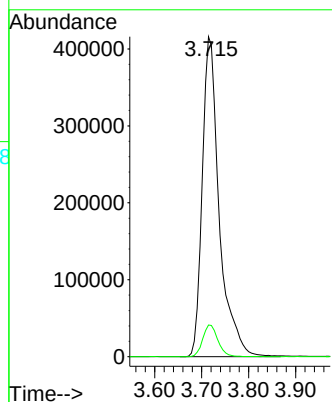
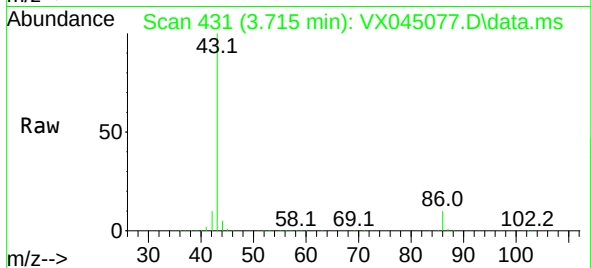




#23
 Vinyl Acetate
 Concen: 251.185 ug/l
 RT: 3.715 min Scan# 411
 Delta R.T. -0.006 min
 Lab File: VX045077.D
 Acq: 28 Feb 2025 10:32

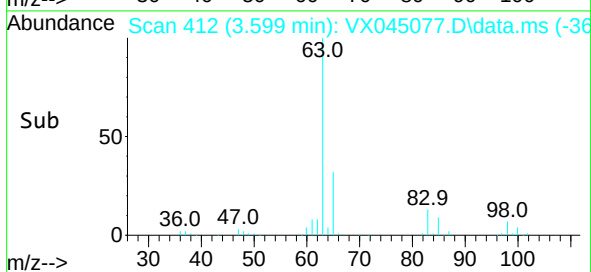
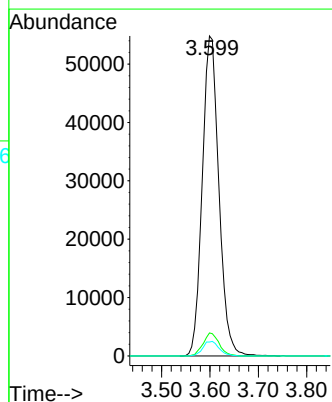
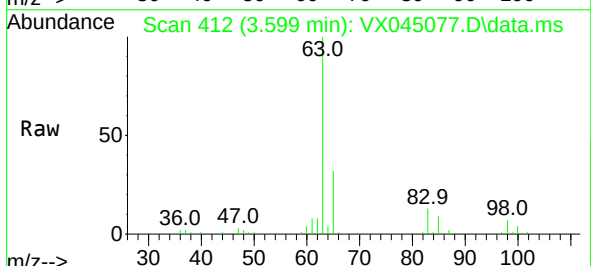
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

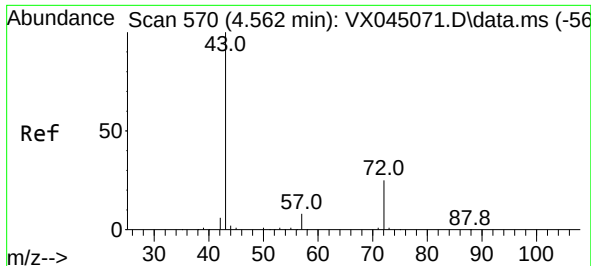
Tgt Ion: 43 Resp: 1044255
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.1 12.1



#24
 1,1-Dichloroethane
 Concen: 46.825 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. -0.006 min
 Lab File: VX045077.D
 Acq: 28 Feb 2025 10:32

Tgt Ion: 63 Resp: 130733
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.4 10.2
 100 4.4 2.1 6.5

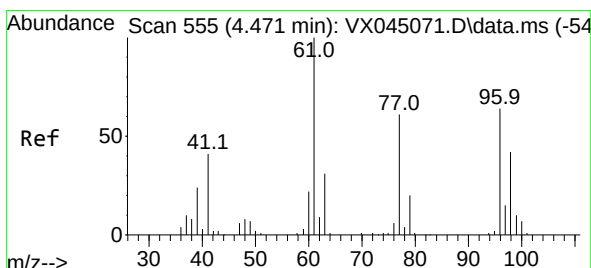
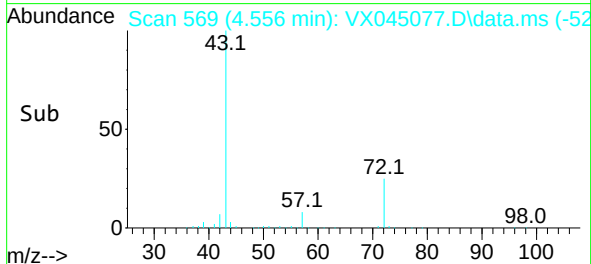
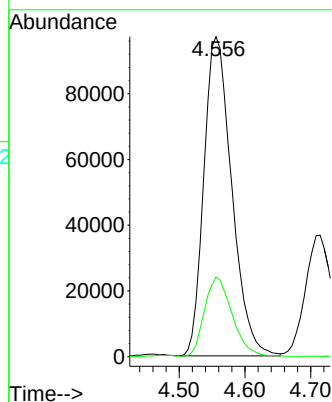
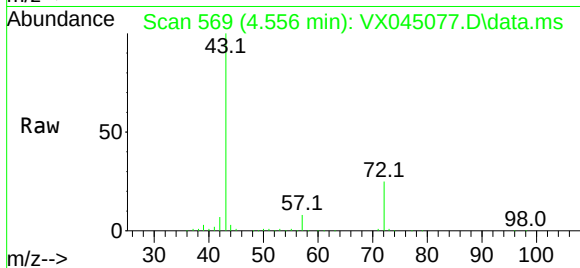




#25
2-Butanone
Concen: 230.258 ug/l
RT: 4.556 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

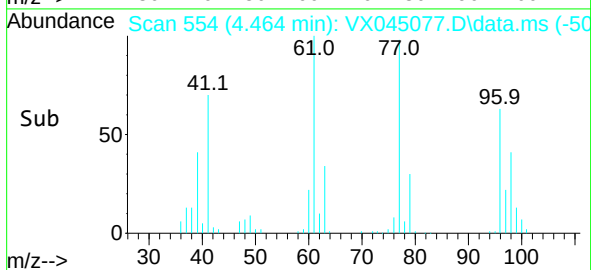
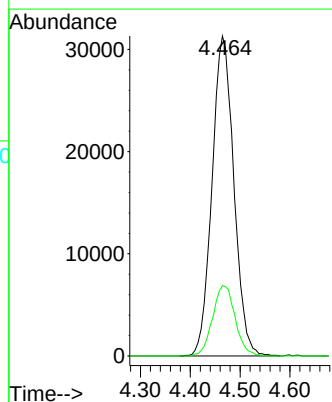
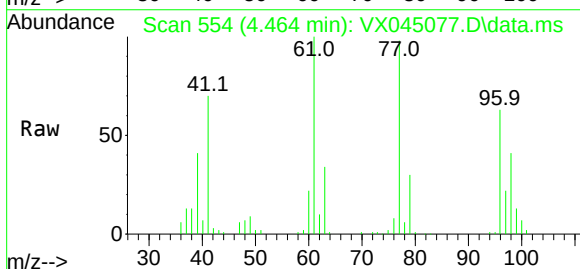
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

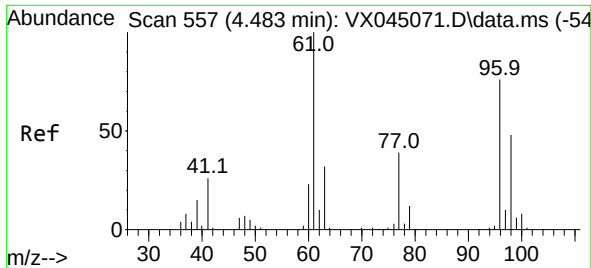
Tgt Ion: 43 Resp: 286458
Ion Ratio Lower Upper
43 100
72 24.8 20.0 30.0



#26
2,2-Dichloropropane
Concen: 72.639 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 77 Resp: 95125
Ion Ratio Lower Upper
77 100
97 22.7 12.4 37.0





#27

cis-1,2-Dichloroethene

Concen: 47.500 ug/l

RT: 4.477 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

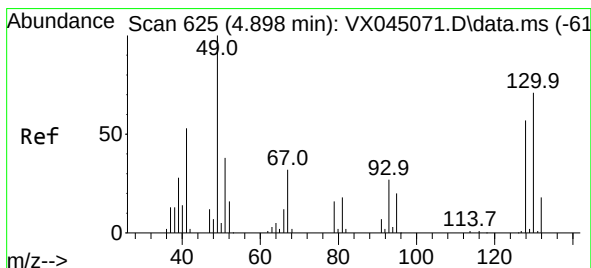
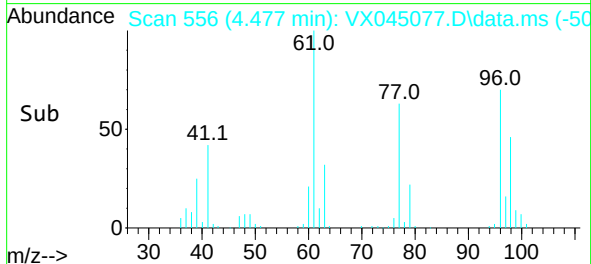
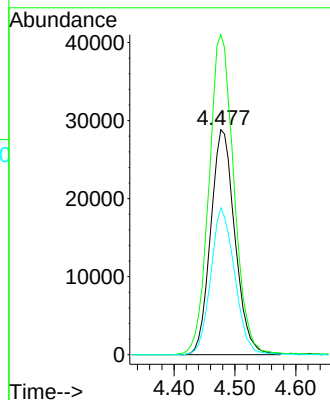
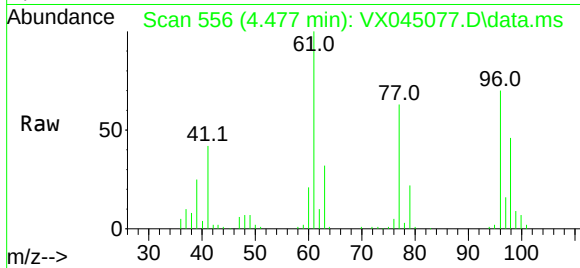
Tgt Ion: 96 Resp: 79716

Ion Ratio Lower Upper

96 100

61 146.9 0.0 283.2

98 64.4 0.0 128.0



#28

Bromochloromethane

Concen: 46.457 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.006 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

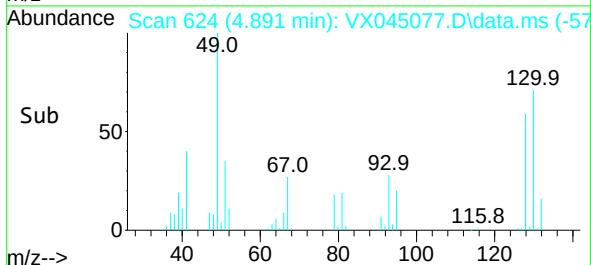
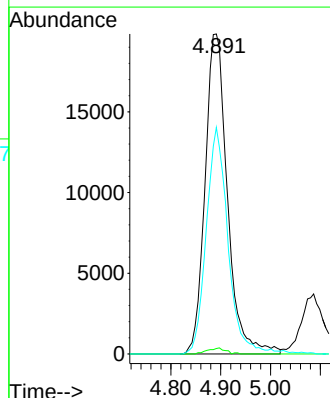
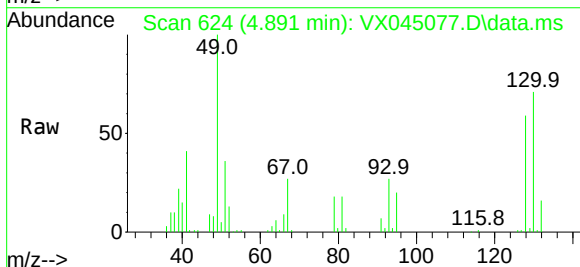
Tgt Ion: 49 Resp: 61824

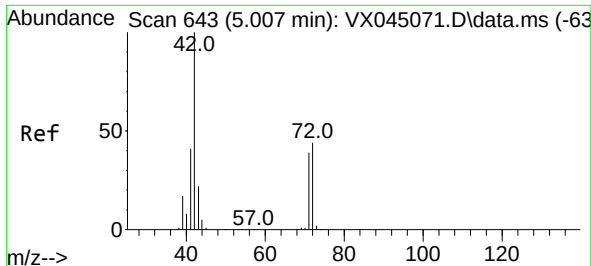
Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.4

130 68.6 56.1 84.1





#29

Tetrahydrofuran

Concen: 224.369 ug/l

RT: 5.001 min Scan# 643

Delta R.T. -0.006 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

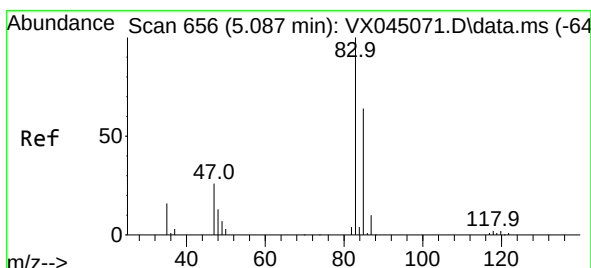
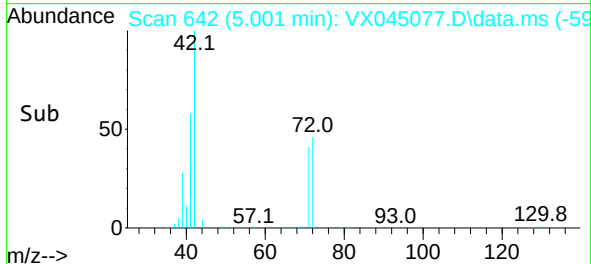
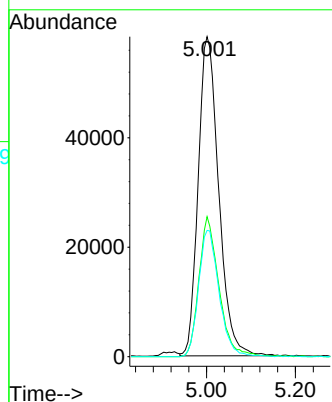
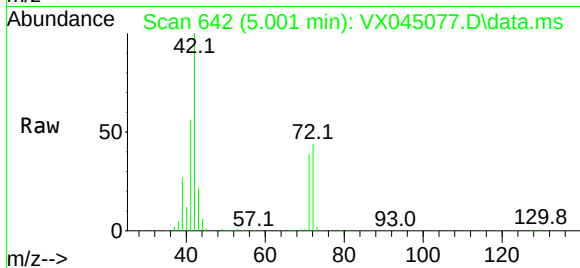
Tgt Ion: 42 Resp: 187451

Ion Ratio Lower Upper

42 100

72 42.6 34.1 51.1

71 39.5 31.4 47.0



#30

Chloroform

Concen: 46.017 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.000 min

Lab File: VX045077.D

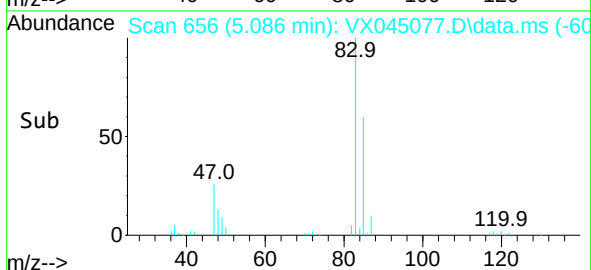
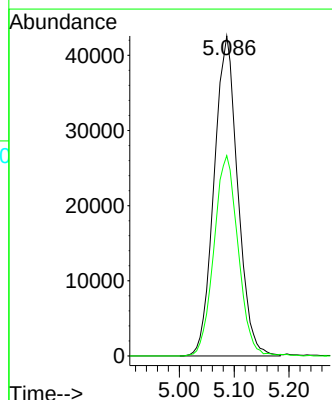
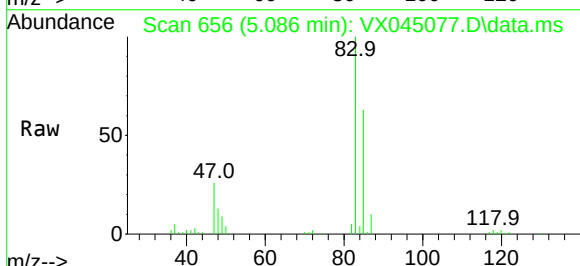
Acq: 28 Feb 2025 10:32

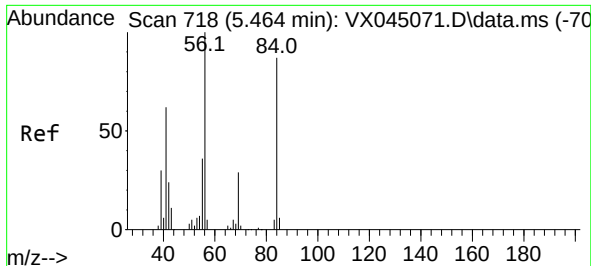
Tgt Ion: 83 Resp: 127656

Ion Ratio Lower Upper

83 100

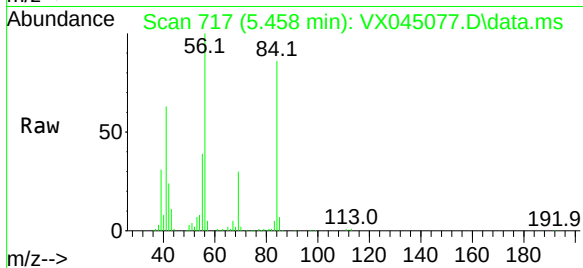
85 62.6 51.4 77.2



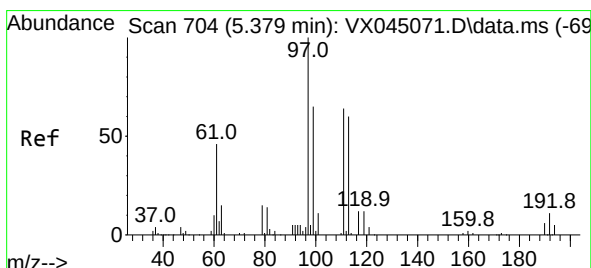
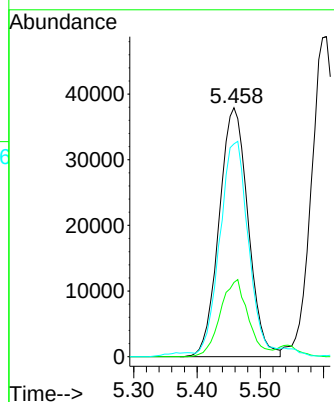
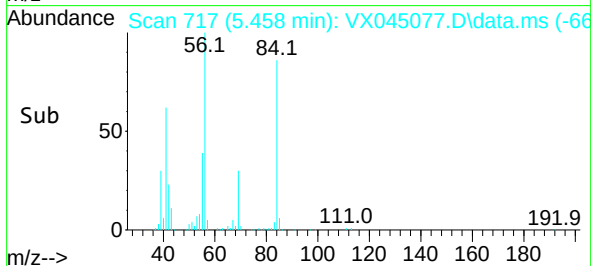


#31
Cyclohexane
Concen: 49.820 ug/l
RT: 5.458 min Scan# 718
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

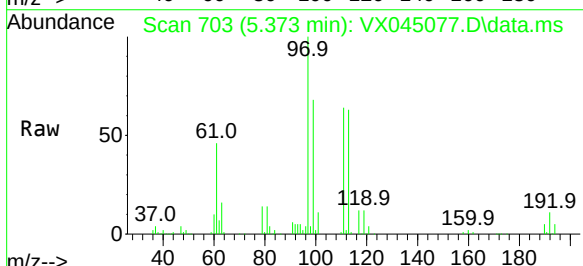
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050



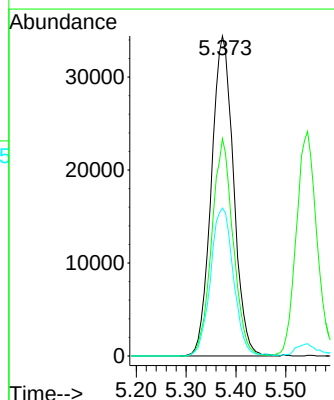
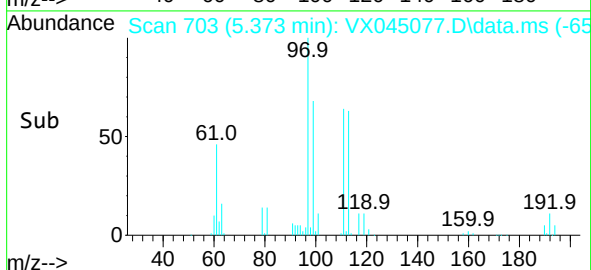
Tgt Ion: 56 Resp: 120742
Ion Ratio Lower Upper
56 100
69 29.9 23.4 35.2
84 84.1 69.4 104.2

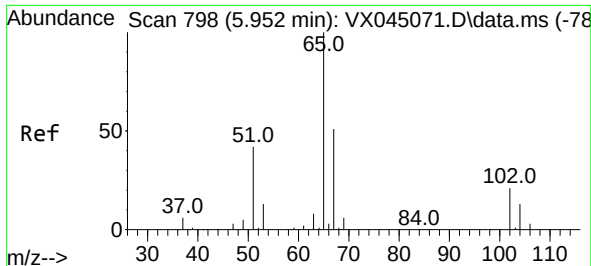


#32
1,1,1-Trichloroethane
Concen: 47.389 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32



Tgt Ion: 97 Resp: 106176
Ion Ratio Lower Upper
97 100
99 65.4 51.6 77.4
61 47.9 38.4 57.6





#33

1,2-Dichloroethane-d4

Concen: 46.113 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

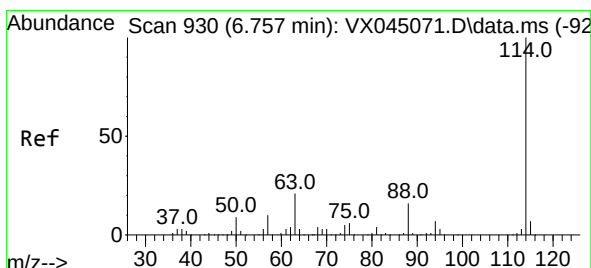
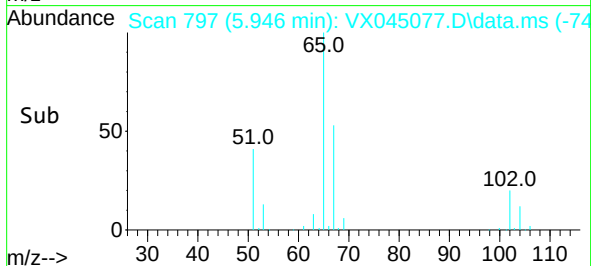
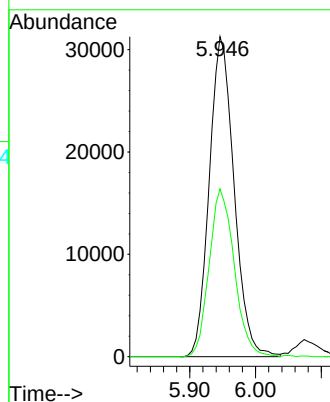
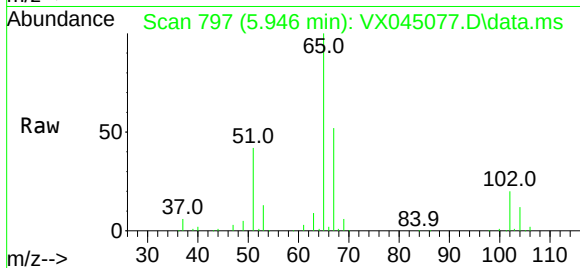
VSTDCCC050

Tgt Ion: 65 Resp: 82143

Ion Ratio Lower Upper

65 100

67 53.0 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: VX045077.D

Acq: 28 Feb 2025 10:32

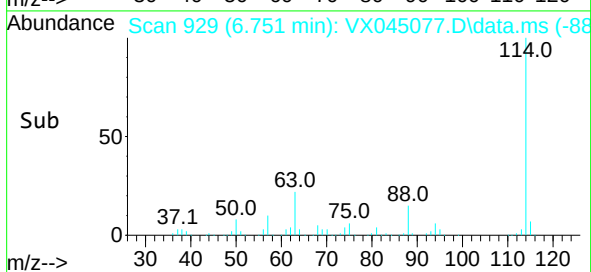
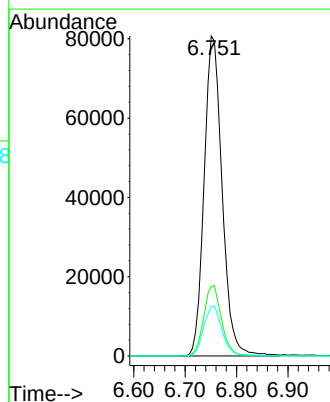
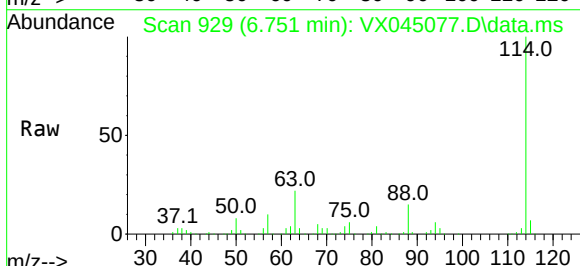
Tgt Ion: 114 Resp: 196414

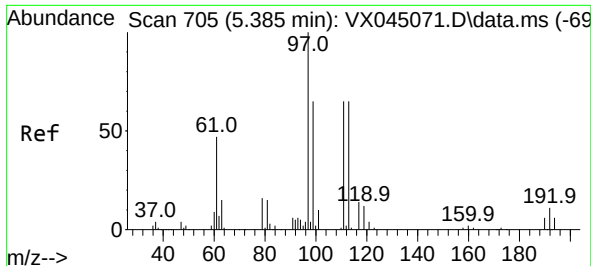
Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.8

88 15.4 0.0 32.8

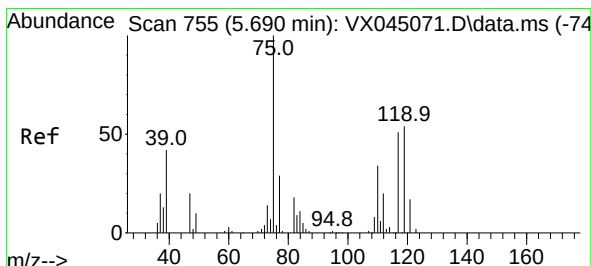
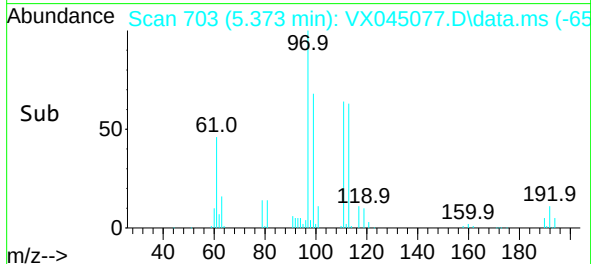
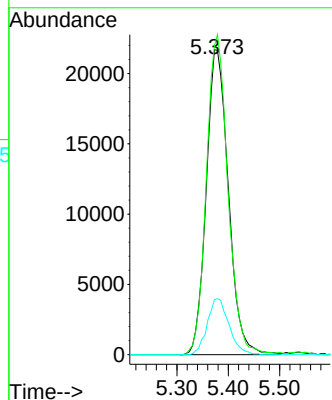
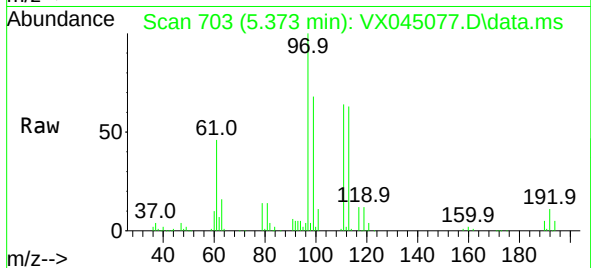




#35
Dibromofluoromethane
Concen: 49.532 ug/l
RT: 5.373 min Scan# 705
Delta R.T. -0.012 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

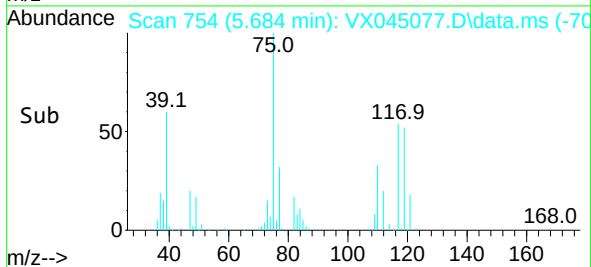
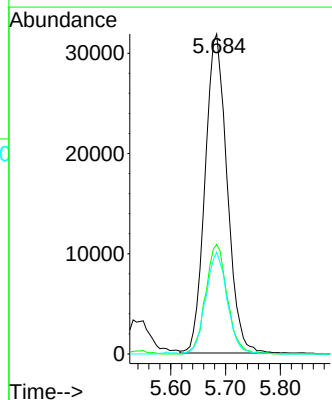
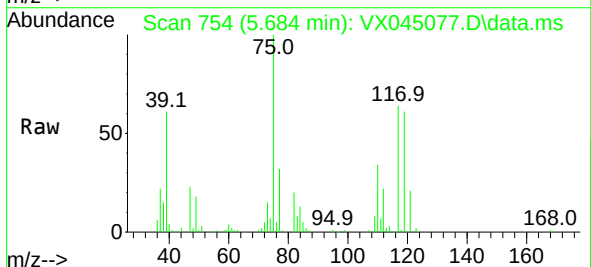
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

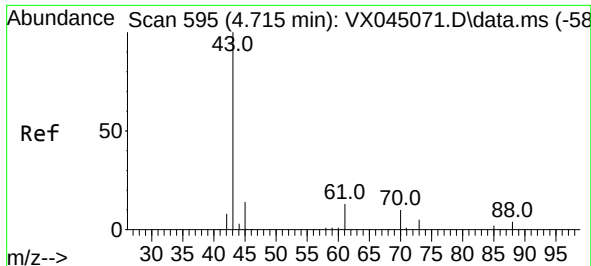
Tgt Ion:113 Resp: 65054
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.6
192 18.0 14.3 21.5



#36
1,1-Dichloropropene
Concen: 49.241 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 75 Resp: 88691
Ion Ratio Lower Upper
75 100
110 33.8 16.9 50.6
77 31.1 24.5 36.7

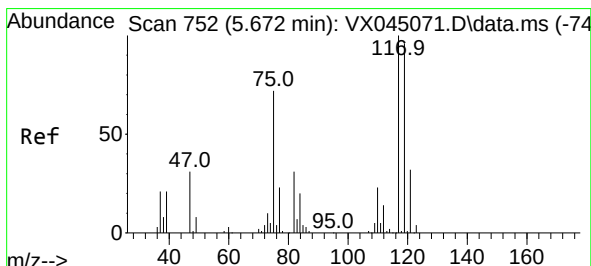
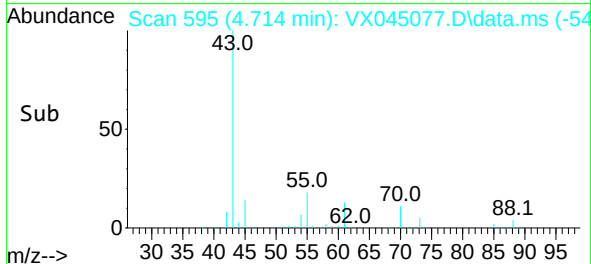
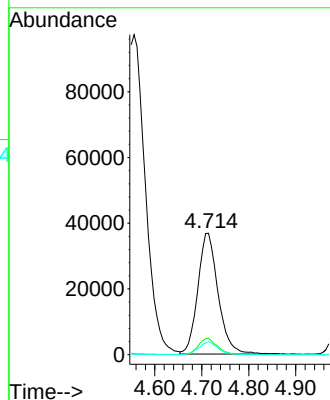
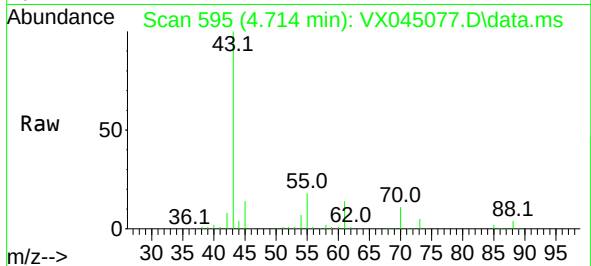




#37
Ethyl Acetate
Concen: 47.651 ug/l
RT: 4.714 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

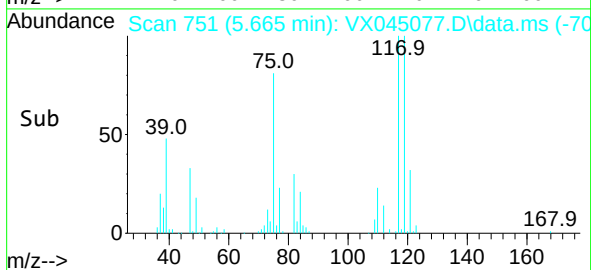
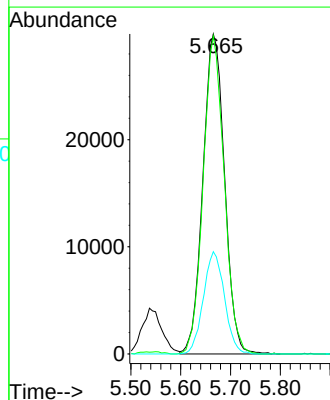
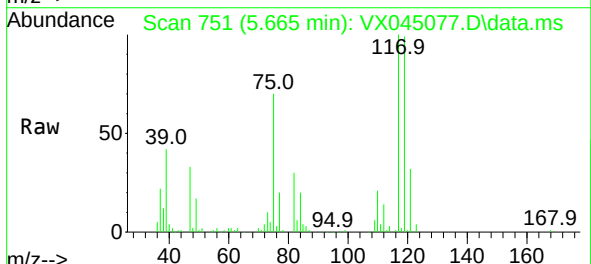
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

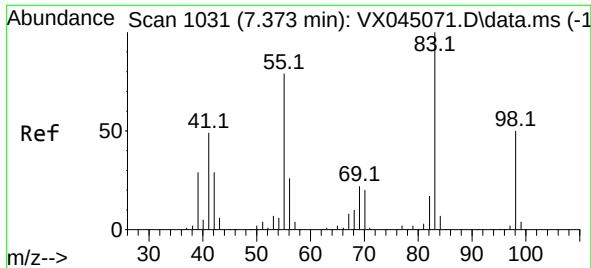
Tgt Ion: 43 Resp: 110594
Ion Ratio Lower Upper
43 100
61 12.4 10.8 16.2
70 9.9 7.7 11.5



#38
Carbon Tetrachloride
Concen: 49.318 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 117 Resp: 90184
Ion Ratio Lower Upper
117 100
119 99.4 76.7 115.1
121 32.0 25.5 38.3





#39

Methylcyclohexane

Concen: 56.161 ug/l

RT: 7.372 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

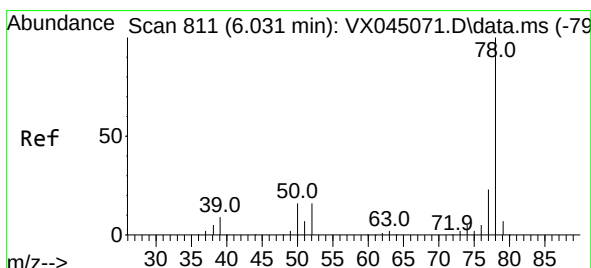
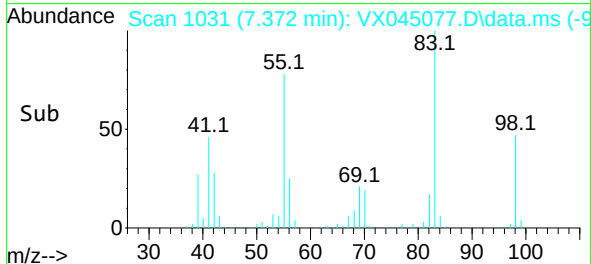
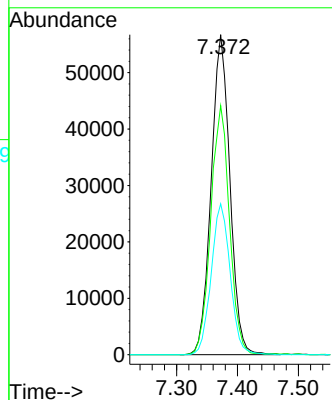
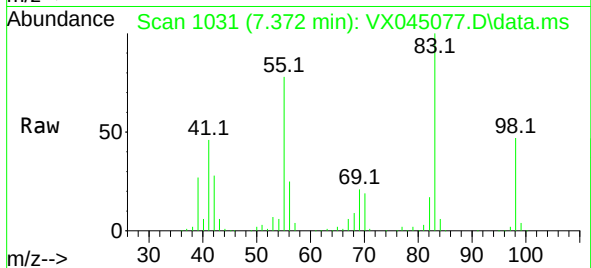
Tgt Ion: 83 Resp: 121207

Ion Ratio Lower Upper

83 100

55 77.8 63.0 94.4

98 47.2 39.7 59.5



#40

Benzene

Concen: 49.480 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX045077.D

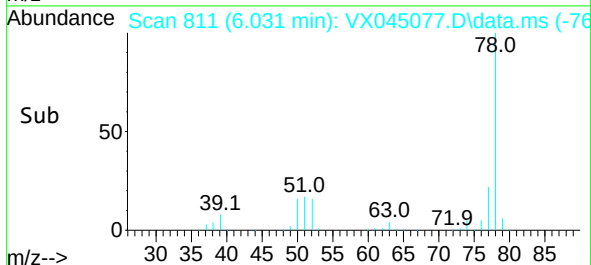
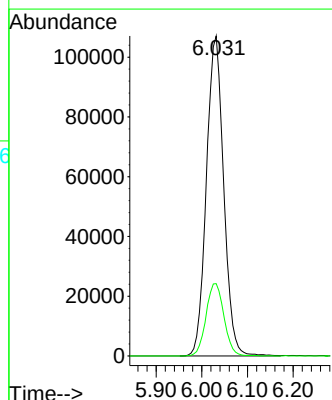
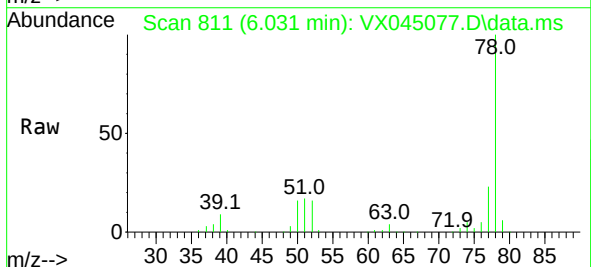
Acq: 28 Feb 2025 10:32

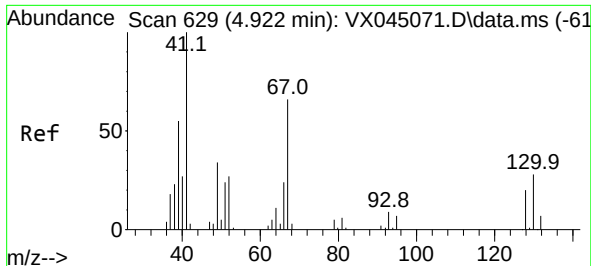
Tgt Ion: 78 Resp: 281425

Ion Ratio Lower Upper

78 100

77 22.6 18.8 28.2



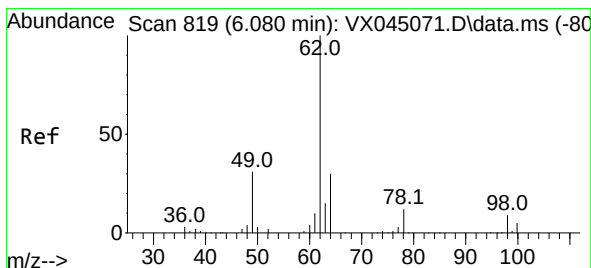
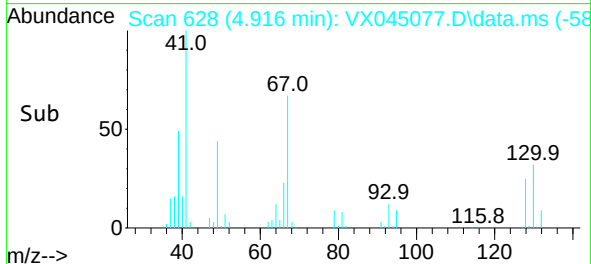
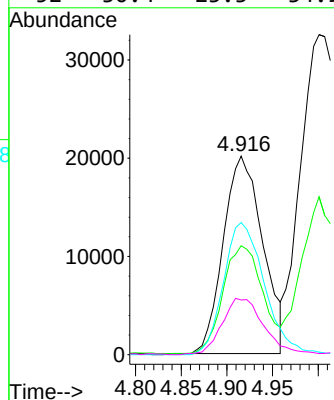
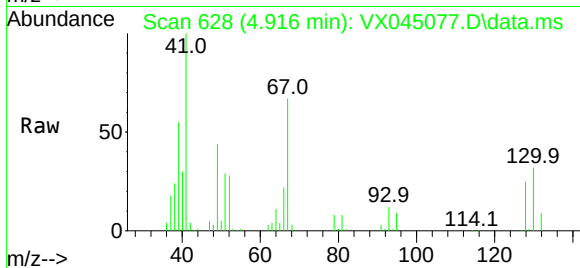


#41
Methacrylonitrile
Concen: 48.126 ug/l
RT: 4.916 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 60396

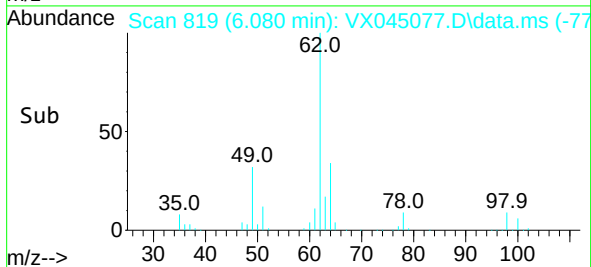
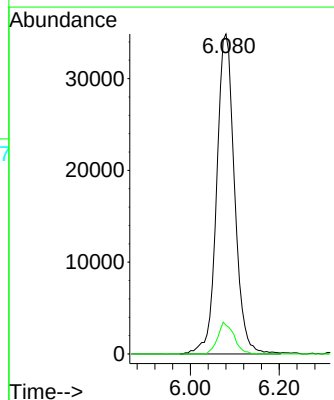
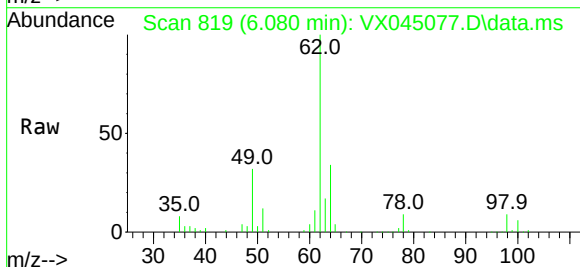
Ion	Ratio	Lower	Upper
41	100		
39	55.6	44.6	67.0
67	69.8	53.9	80.9
52	30.4	23.3	34.9

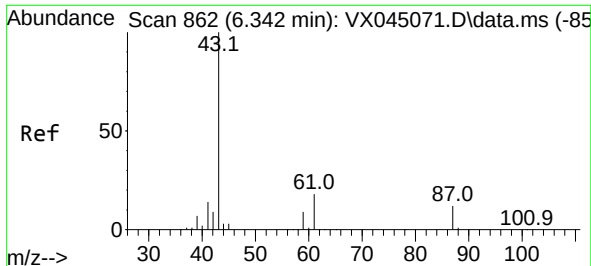


#42
1,2-Dichloroethane
Concen: 47.405 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 62 Resp: 97091

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2

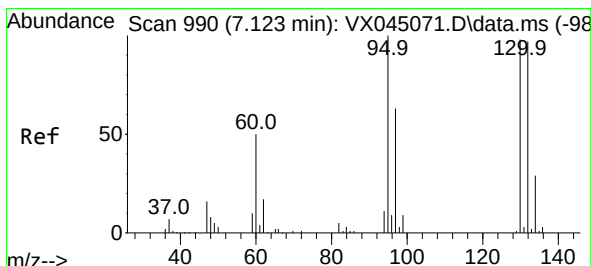
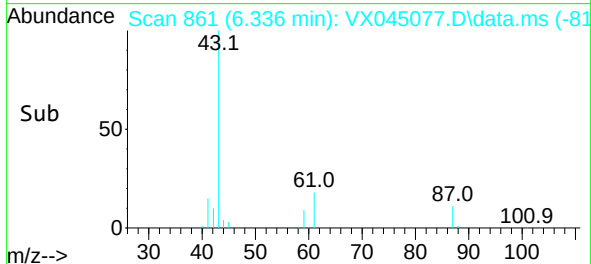
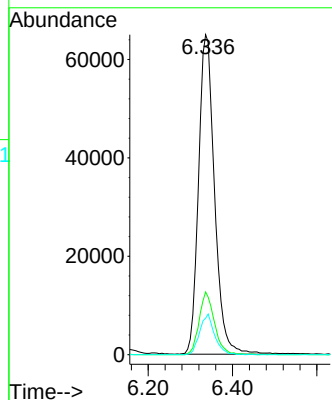
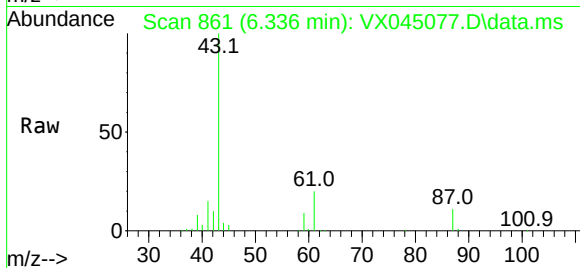




#43
Isopropyl Acetate
Concen: 50.139 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

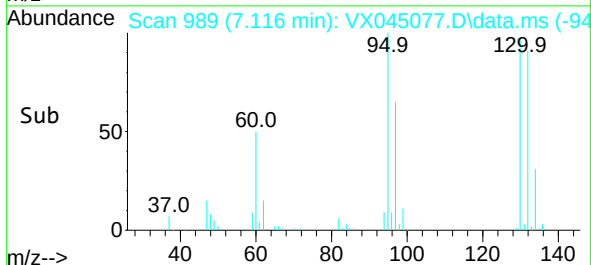
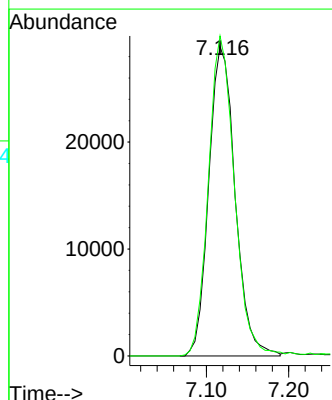
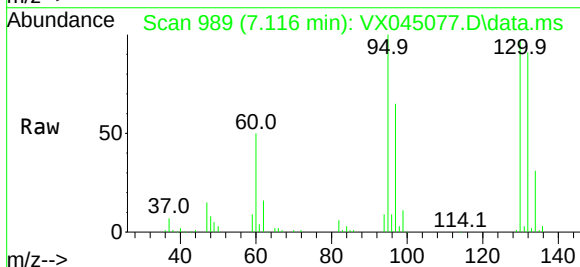
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

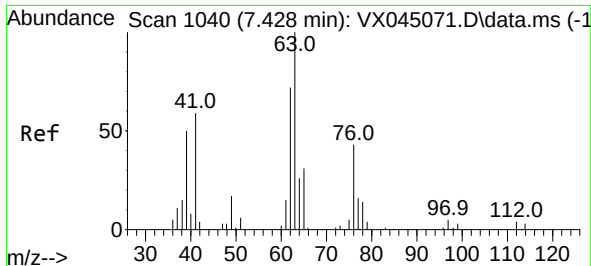
Tgt Ion: 43 Resp: 172076
Ion Ratio Lower Upper
43 100
61 18.7 14.9 22.3
87 11.8 9.4 14.2



#44
Trichloroethene
Concen: 48.221 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:130 Resp: 64399
Ion Ratio Lower Upper
130 100
95 103.5 0.0 205.0





#45

1,2-Dichloropropane

Concen: 48.028 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

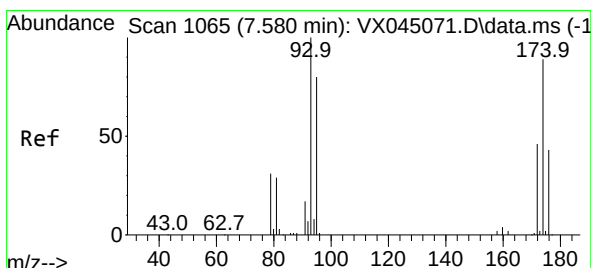
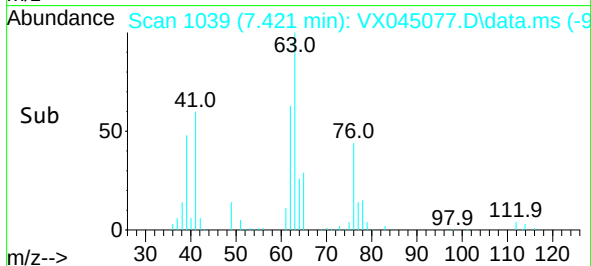
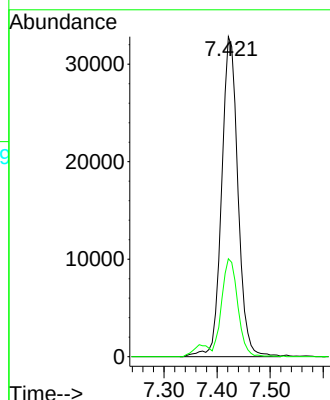
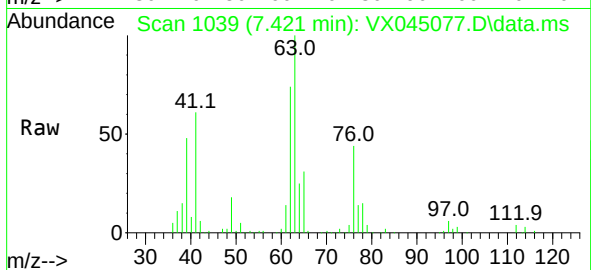
VSTDCCC050

Tgt Ion: 63 Resp: 70234

Ion Ratio Lower Upper

63 100

65 30.6 24.7 37.1



#46

Dibromomethane

Concen: 49.300 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.006 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

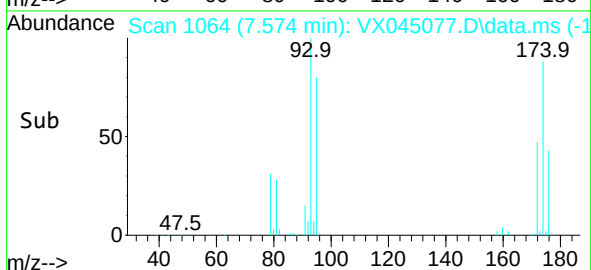
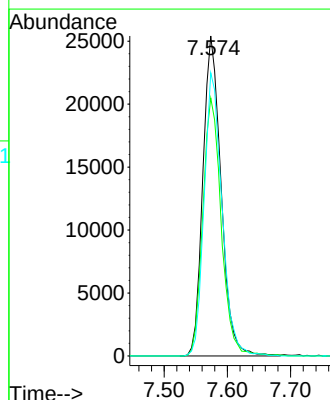
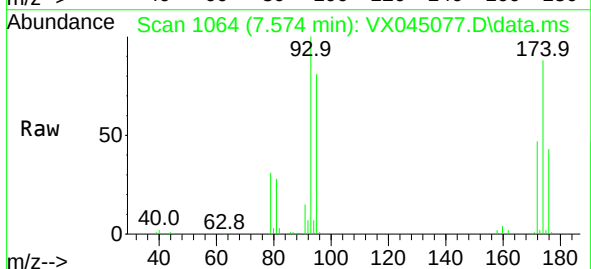
Tgt Ion: 93 Resp: 50957

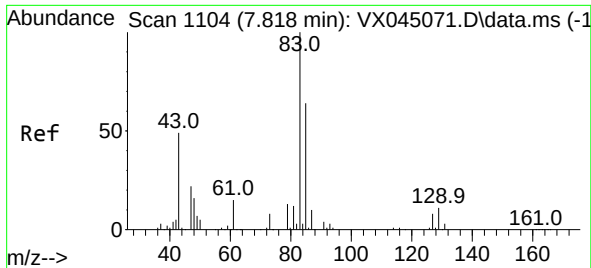
Ion Ratio Lower Upper

93 100

95 81.4 65.8 98.8

174 87.1 72.2 108.2

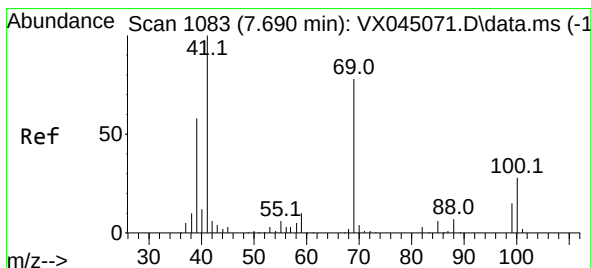
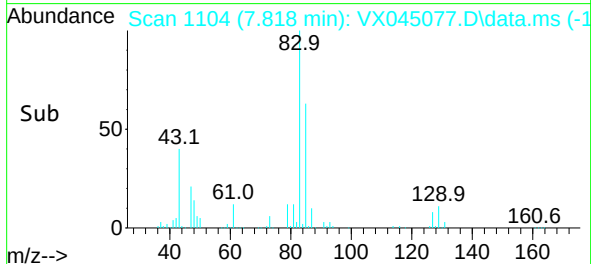
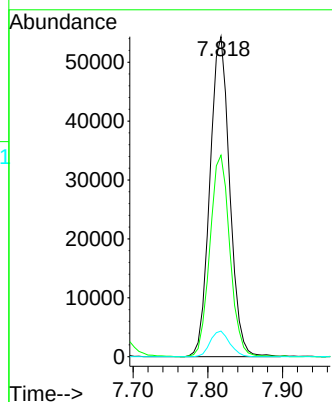
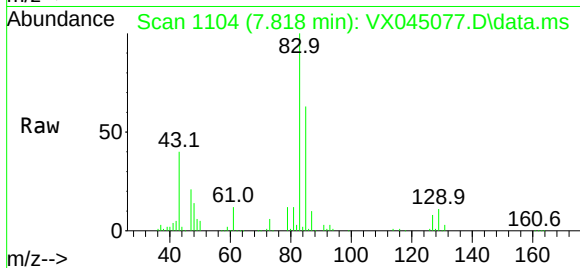




#47
Bromodichloromethane
Concen: 49.243 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

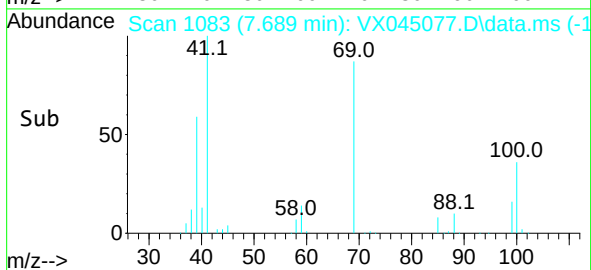
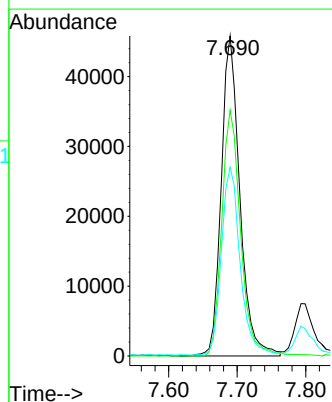
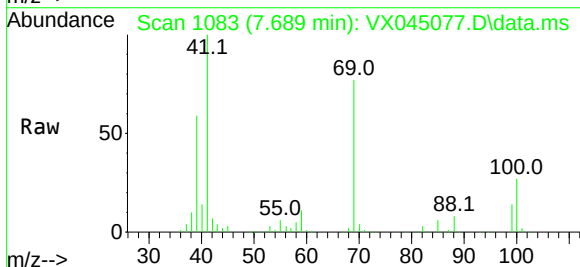
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

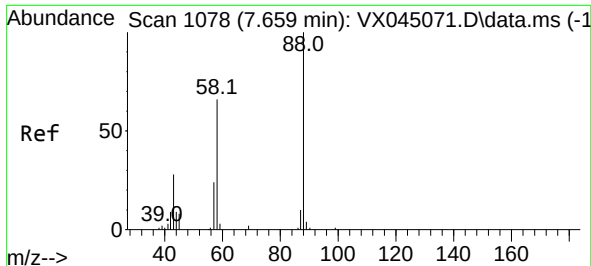
Tgt Ion: 83	Resp: 99834
Ion Ratio	Lower Upper
83 100	
85 62.9	51.1 76.7
127 8.0	6.4 9.6



#48
Methyl methacrylate
Concen: 50.032 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

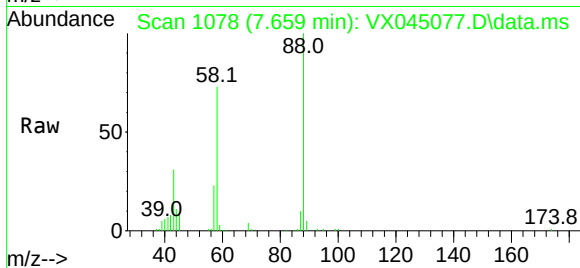
Tgt Ion: 41	Resp: 86144
Ion Ratio	Lower Upper
41 100	
69 78.3	63.0 94.6
39 59.5	47.5 71.3



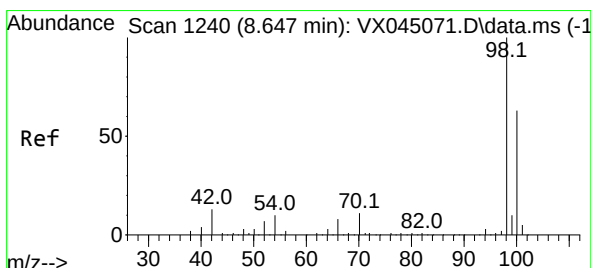
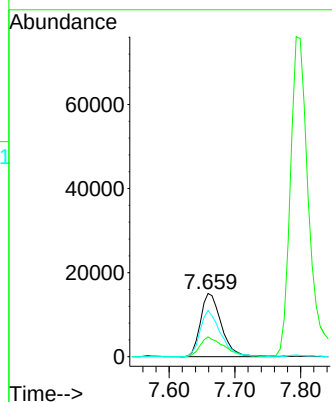
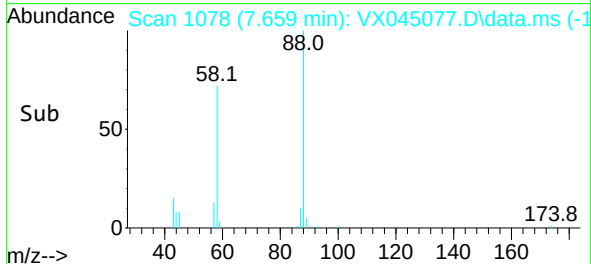


#49
1,4-Dioxane
Concen: 912.798 ug/l
RT: 7.659 min Scan# 1078
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

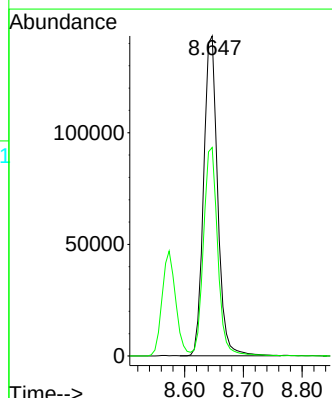
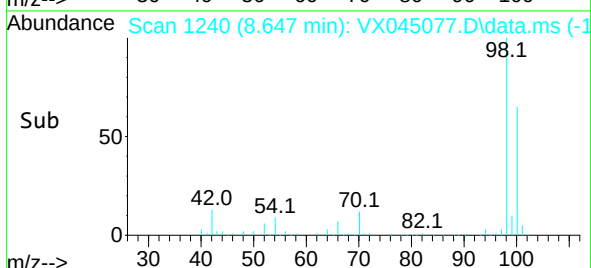
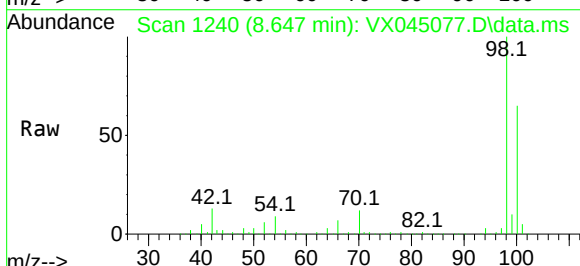


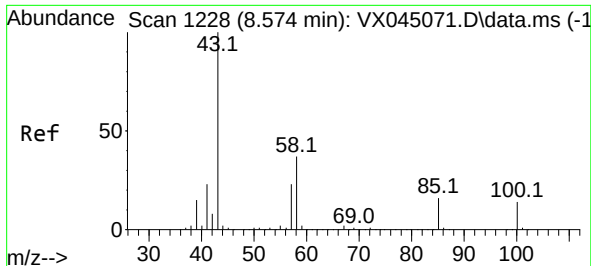
Tgt Ion: 88 Resp: 33152
Ion Ratio Lower Upper
88 100
43 36.3 28.7 43.1
58 72.2 55.8 83.8



#50
Toluene-d8
Concen: 49.853 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 98 Resp: 237369
Ion Ratio Lower Upper
98 100
100 66.1 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 240.651 ug/l

RT: 8.573 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

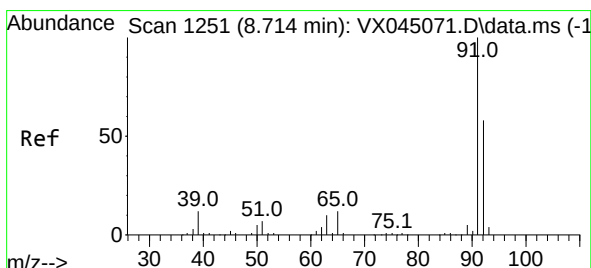
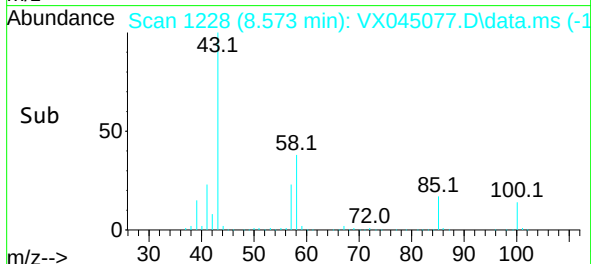
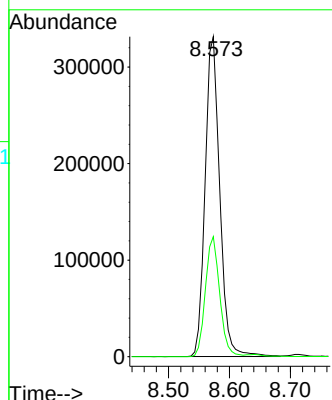
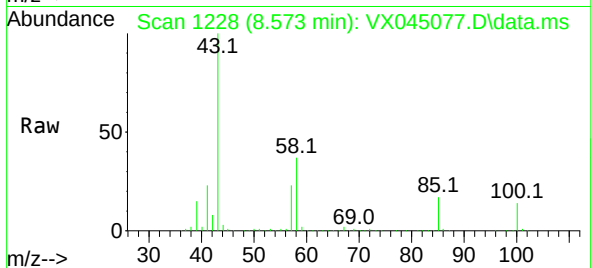
VSTDCCC050

Tgt Ion: 43 Resp: 554547

Ion Ratio Lower Upper

43 100

58 36.6 29.2 43.8



#52

Toluene

Concen: 51.187 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX045077.D

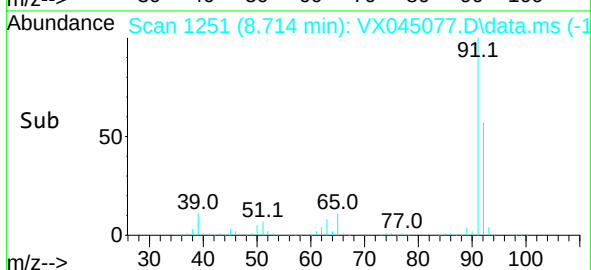
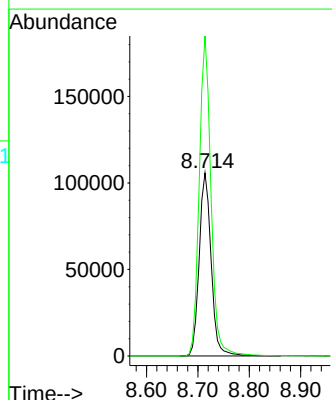
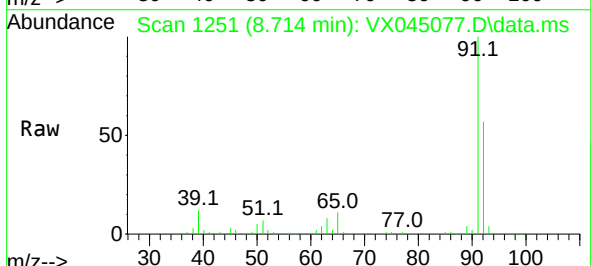
Acq: 28 Feb 2025 10:32

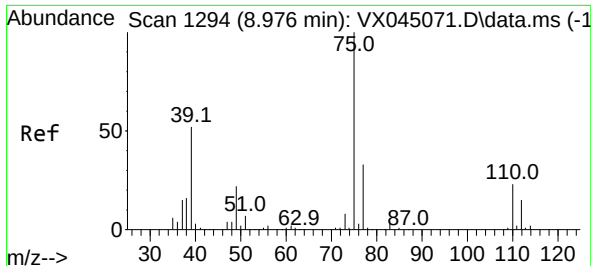
Tgt Ion: 92 Resp: 170814

Ion Ratio Lower Upper

92 100

91 172.3 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 55.975 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

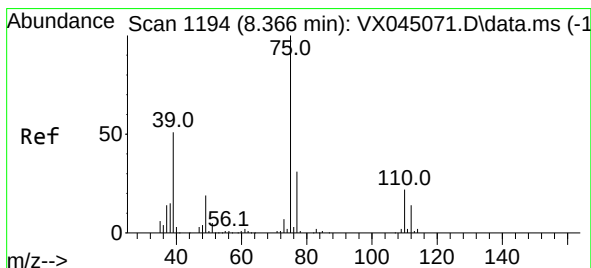
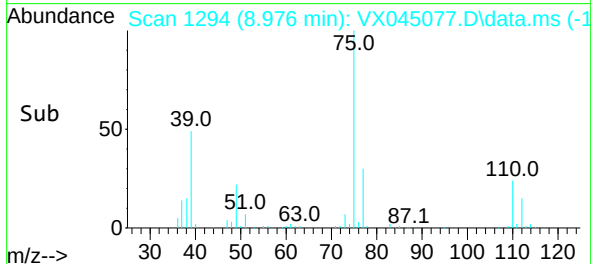
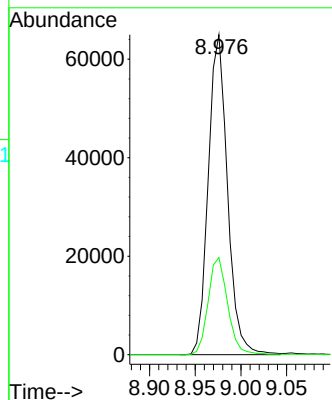
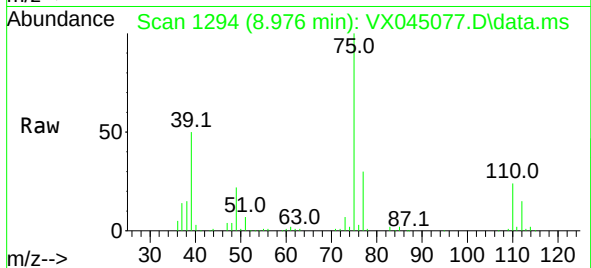
VSTDCCC050

Tgt Ion: 75 Resp: 94873

Ion Ratio Lower Upper

75 100

77 30.4 26.5 39.7



#54

cis-1,3-Dichloropropene

Concen: 54.755 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.006 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

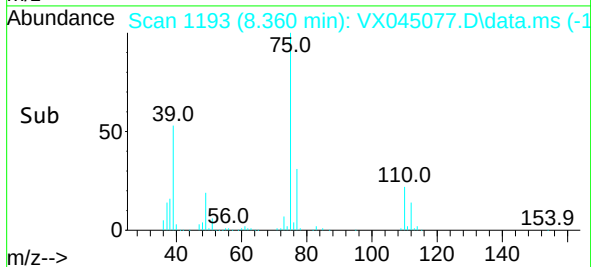
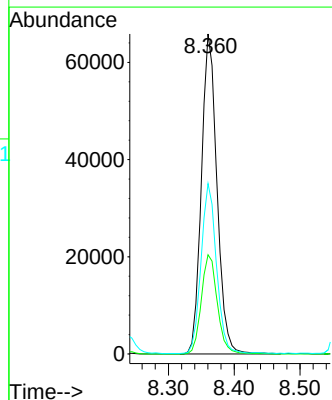
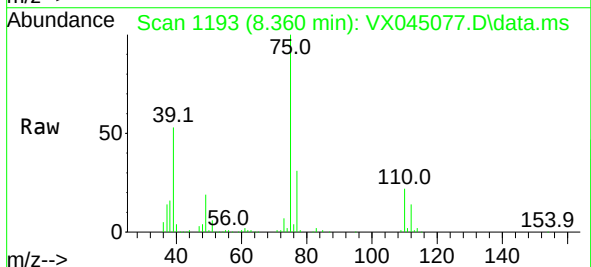
Tgt Ion: 75 Resp: 108220

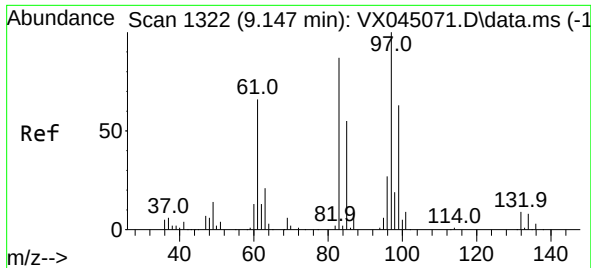
Ion Ratio Lower Upper

75 100

77 31.0 24.7 37.1

39 53.1 40.7 61.1

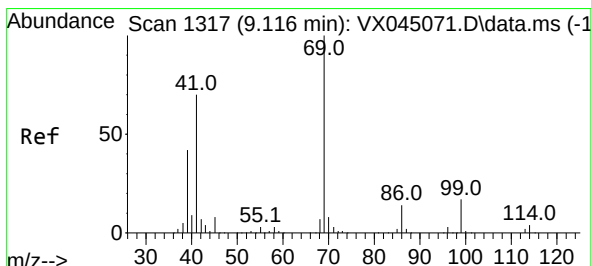
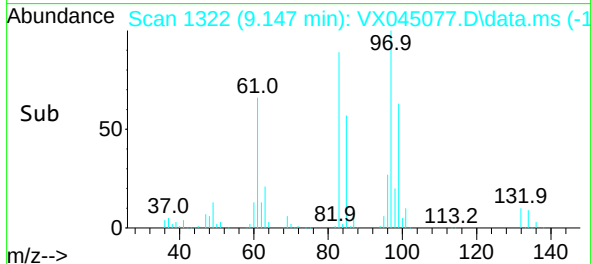
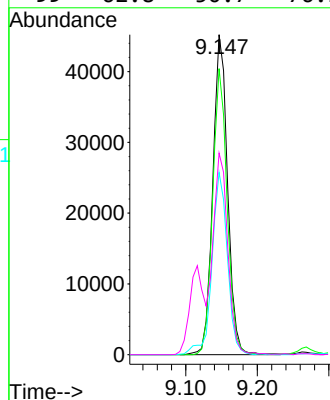
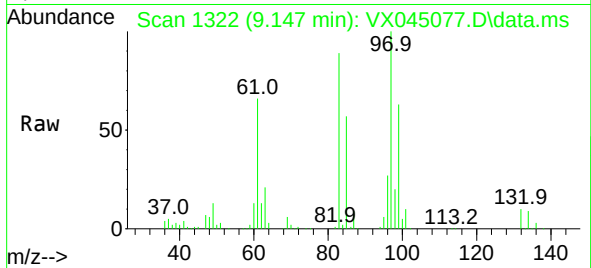




#55
 1,1,2-Trichloroethane
 Concen: 47.245 ug/l
 RT: 9.147 min Scan# 1322
 Delta R.T. -0.000 min
 Lab File: VX045077.D
 Acq: 28 Feb 2025 10:32

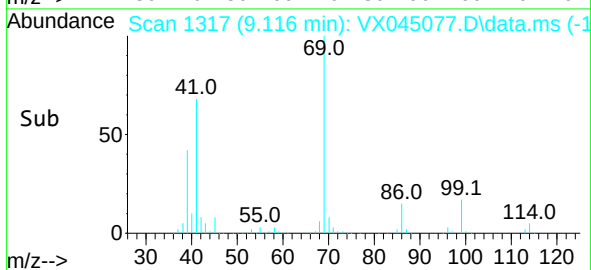
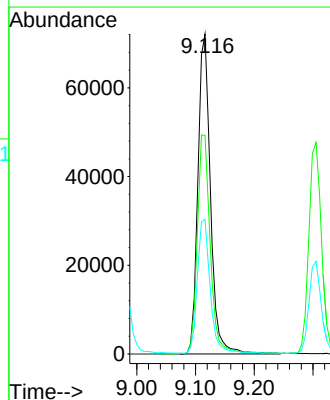
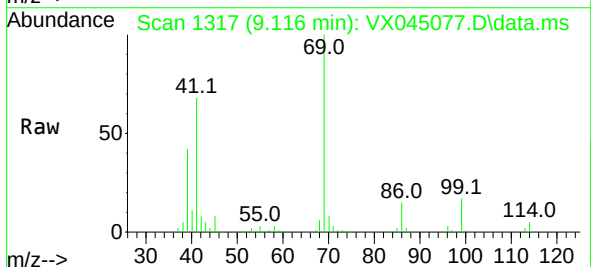
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

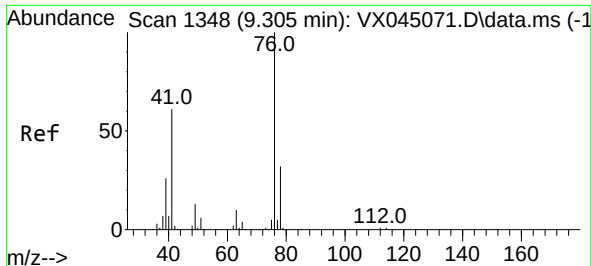
Tgt Ion: 97	Resp: 64904
Ion Ratio	Lower Upper
97 100	
83 89.4	69.4 104.2
85 57.0	44.1 66.1
99 62.8	50.7 76.1



#56
 Ethyl methacrylate
 Concen: 51.537 ug/l
 RT: 9.116 min Scan# 1317
 Delta R.T. -0.000 min
 Lab File: VX045077.D
 Acq: 28 Feb 2025 10:32

Tgt Ion: 69	Resp: 107621
Ion Ratio	Lower Upper
69 100	
41 70.8	57.0 85.4
39 43.0	34.2 51.4





#57

1,3-Dichloropropane

Concen: 48.576 ug/l

RT: 9.305 min Scan# 115487

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

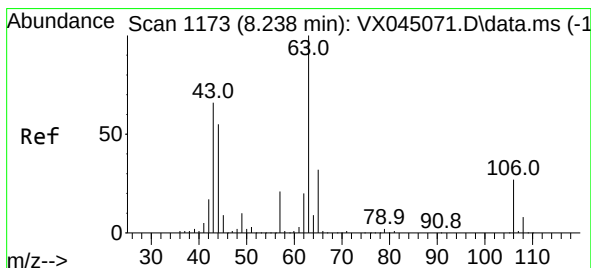
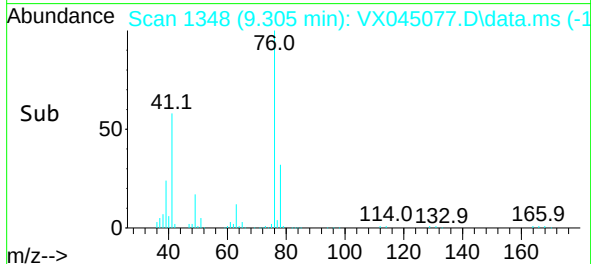
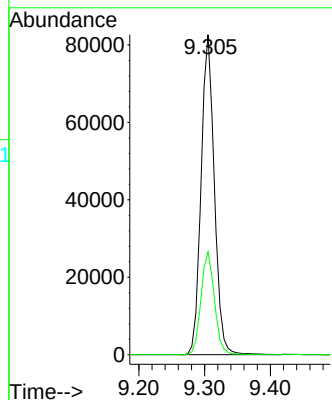
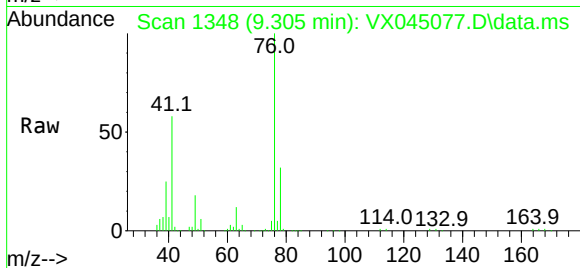
VSTDCCC050

Tgt Ion: 76 Resp: 115487

Ion Ratio Lower Upper

76 100

78 32.7 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 268.530 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX045077.D

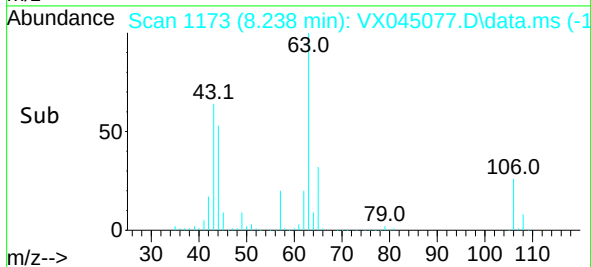
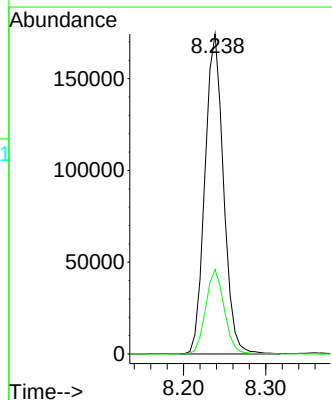
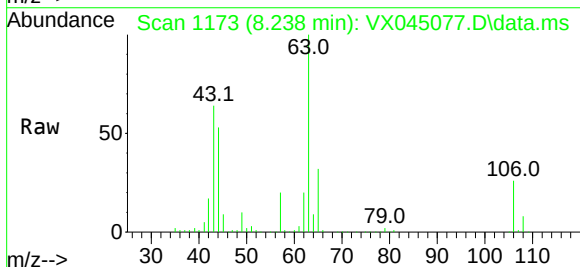
Acq: 28 Feb 2025 10:32

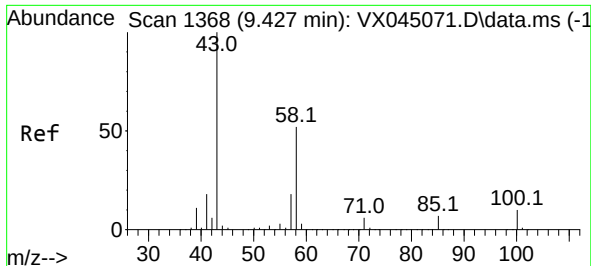
Tgt Ion: 63 Resp: 273540

Ion Ratio Lower Upper

63 100

106 26.3 21.5 32.3





#59

2-Hexanone

Concen: 241.811 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

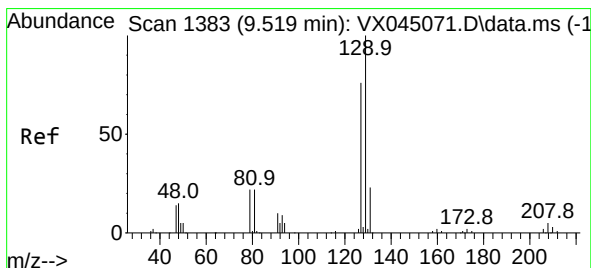
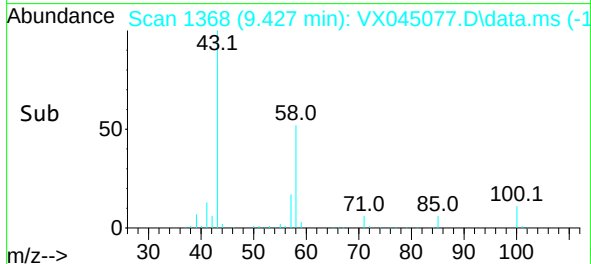
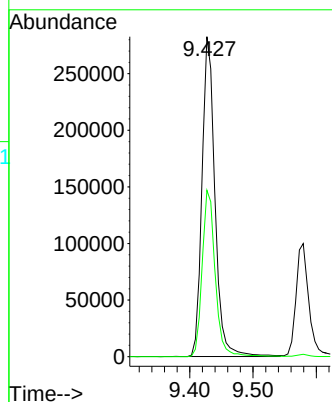
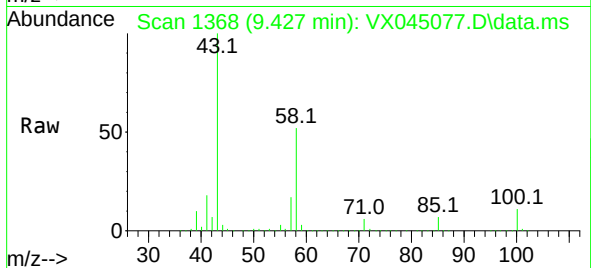
VSTDCCC050

Tgt Ion: 43 Resp: 403729

Ion Ratio Lower Upper

43 100

58 52.4 25.9 77.6



#60

Dibromochloromethane

Concen: 50.220 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX045077.D

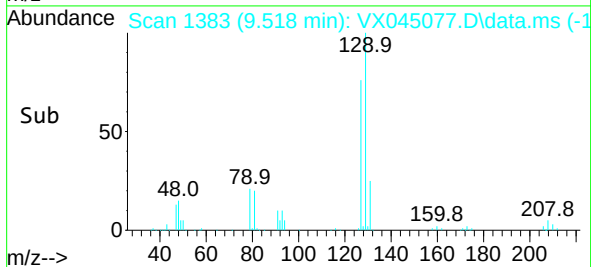
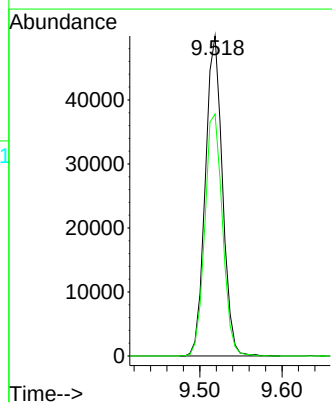
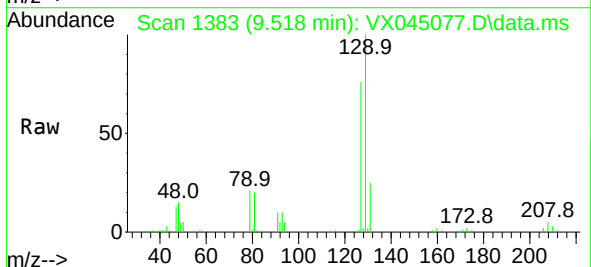
Acq: 28 Feb 2025 10:32

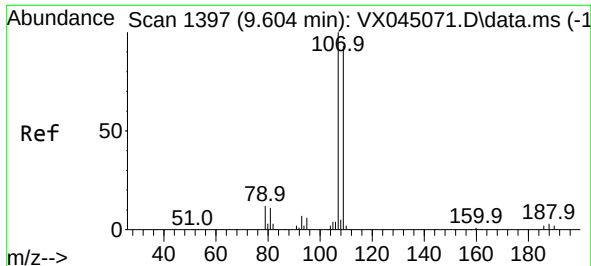
Tgt Ion: 129 Resp: 72136

Ion Ratio Lower Upper

129 100

127 78.2 38.5 115.5

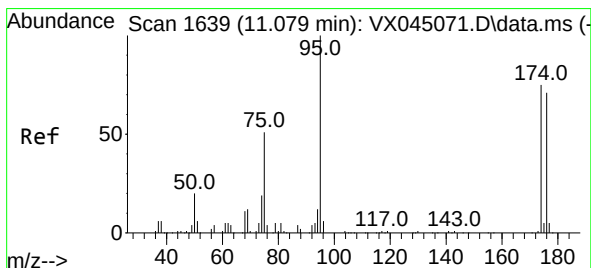
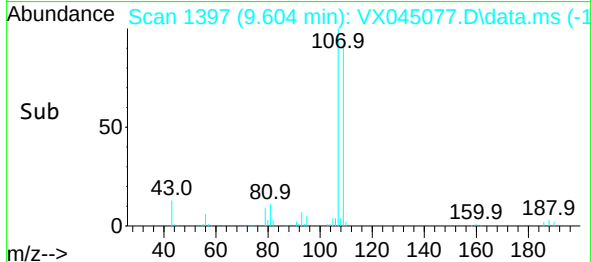
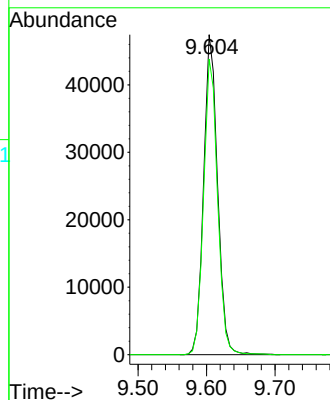
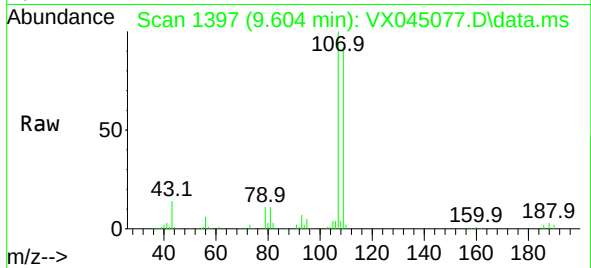




#61
1,2-Dibromoethane
Concen: 48.992 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

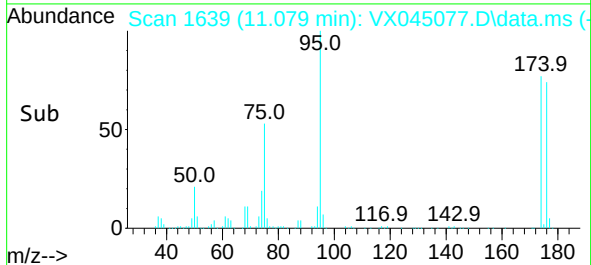
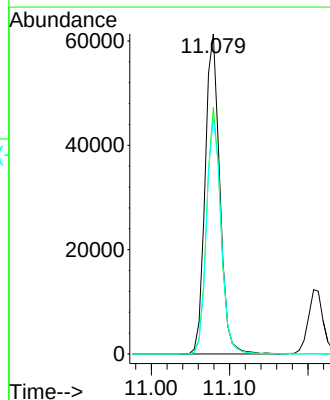
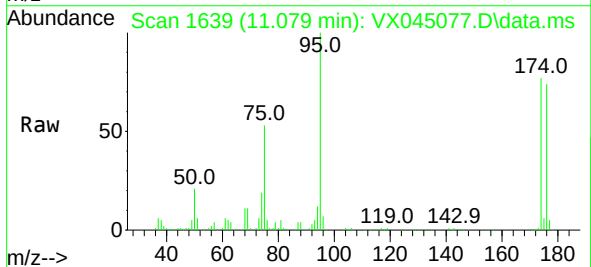
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

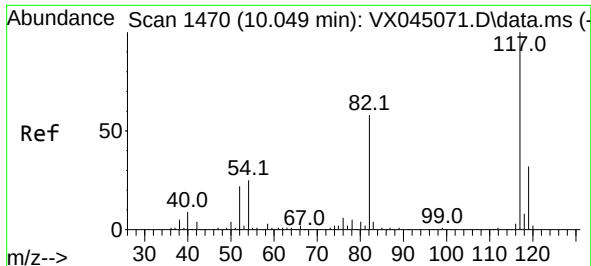
Tgt Ion:107 Resp: 67190
Ion Ratio Lower Upper
107 100
109 92.7 76.1 114.1



#62
4-Bromofluorobenzene
Concen: 50.332 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 95 Resp: 79413
Ion Ratio Lower Upper
95 100
174 74.7 0.0 148.2
176 73.4 0.0 141.4

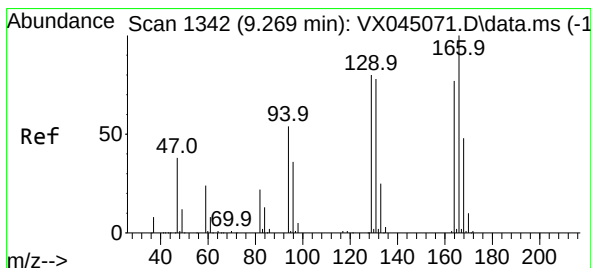
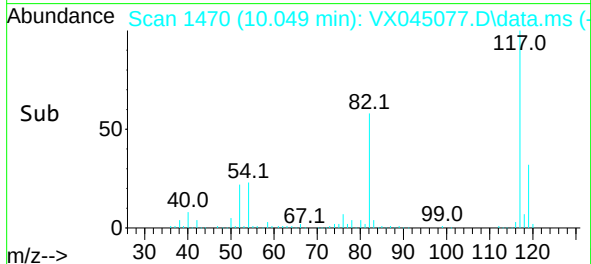
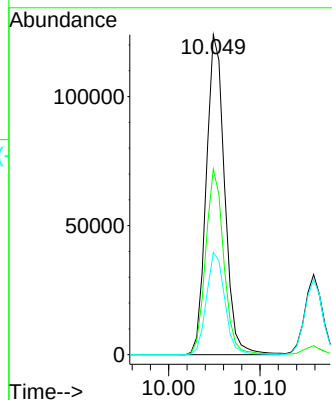
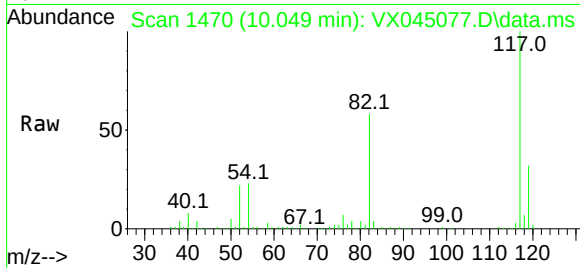




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

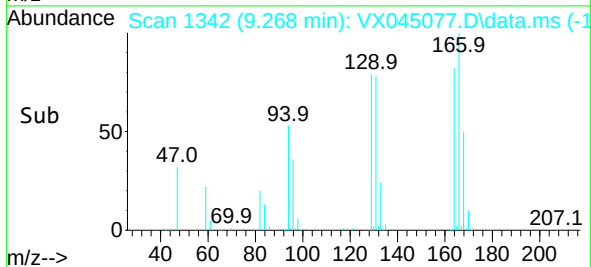
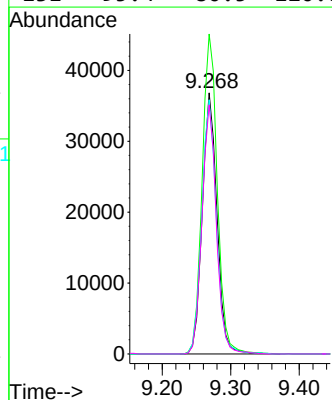
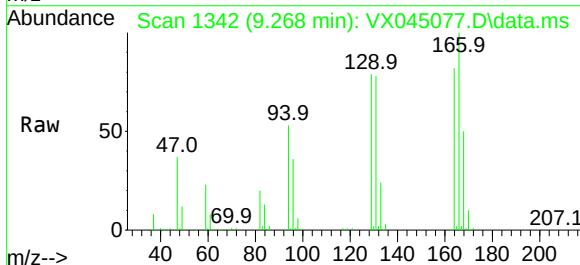
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

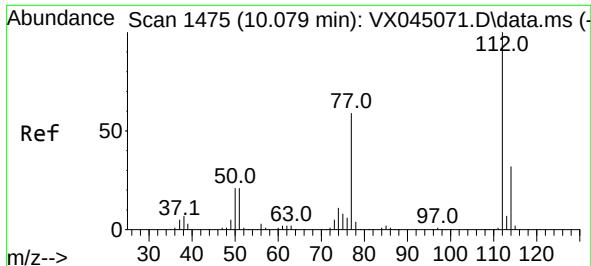
Tgt Ion:117 Resp: 172369
Ion Ratio Lower Upper
117 100
82 58.0 46.3 69.5
119 32.0 25.7 38.5



#64
Tetrachloroethene
Concen: 49.741 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:164 Resp: 54912
Ion Ratio Lower Upper
164 100
166 122.5 103.6 155.4
129 97.4 82.7 124.1
131 95.4 80.5 120.7

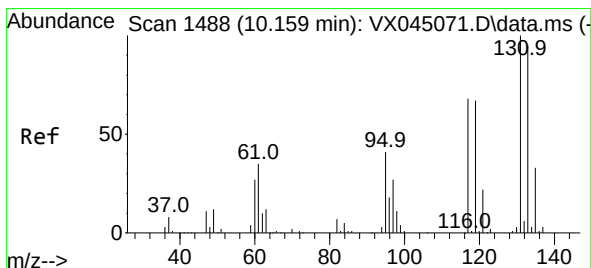
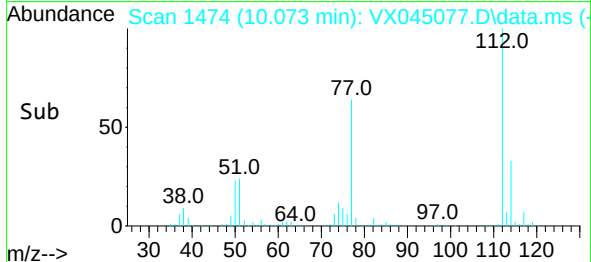
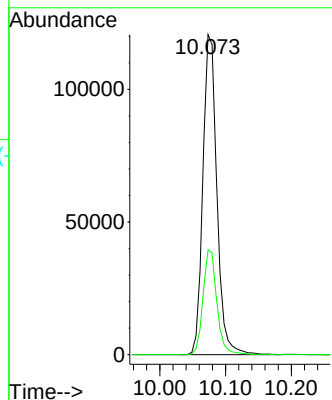
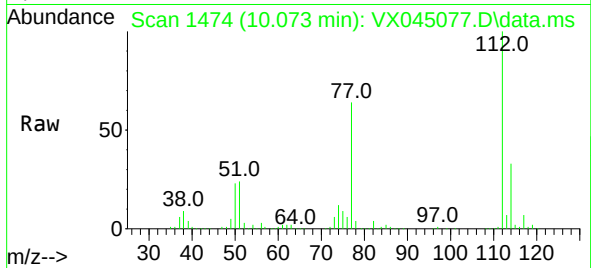




#65
Chlorobenzene
Concen: 49.093 ug/l
RT: 10.073 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

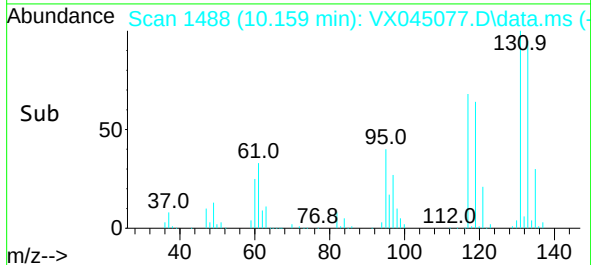
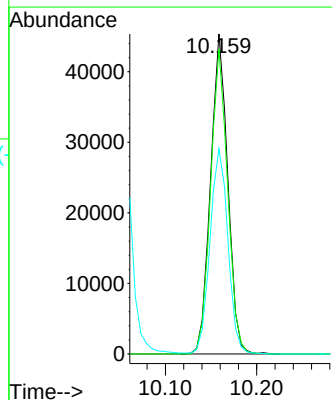
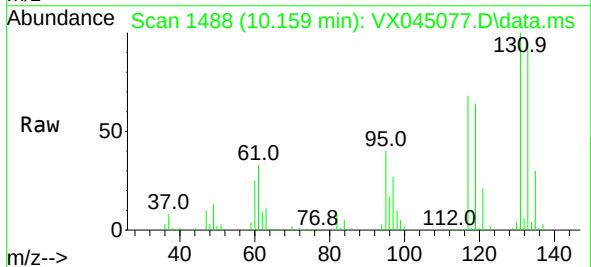
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

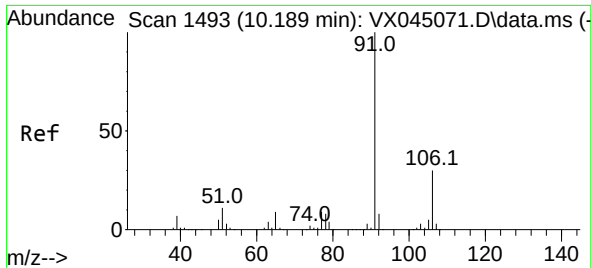
Tgt Ion:112 Resp: 179056
Ion Ratio Lower Upper
112 100
114 32.8 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.762 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:131 Resp: 59227
Ion Ratio Lower Upper
131 100
133 94.3 48.6 145.9
119 66.8 33.9 101.7

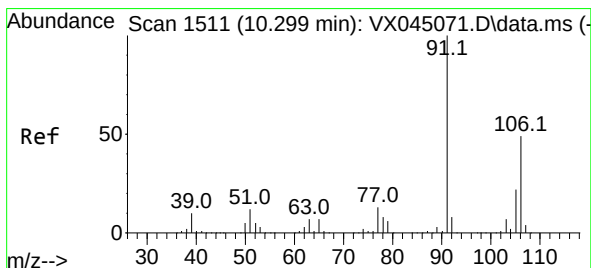
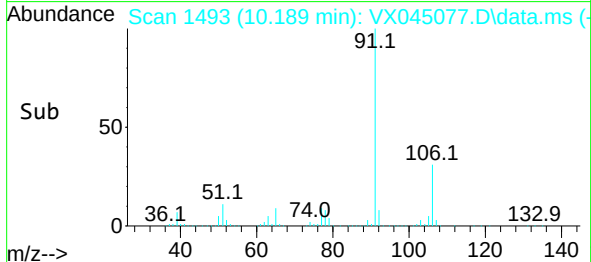
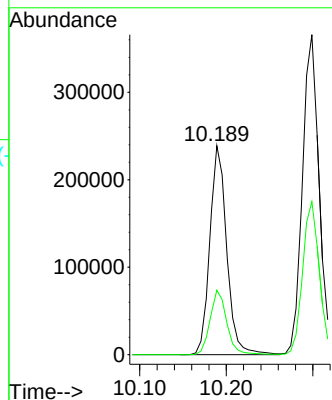
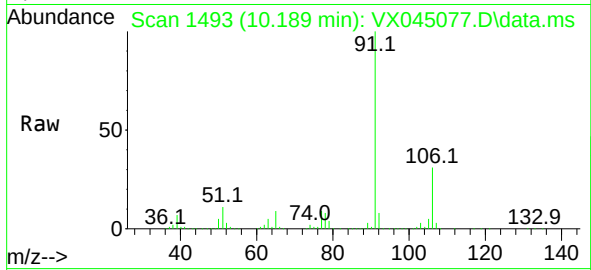




#67
Ethyl Benzene
Concen: 50.959 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

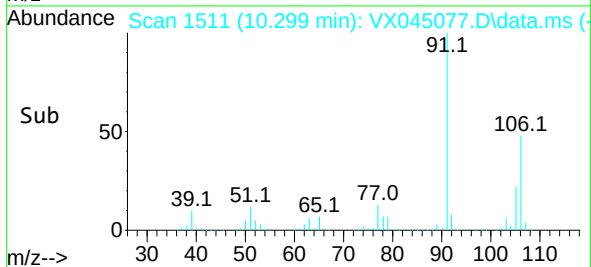
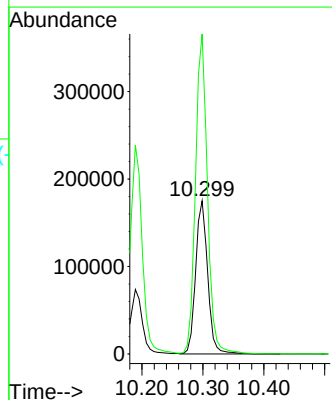
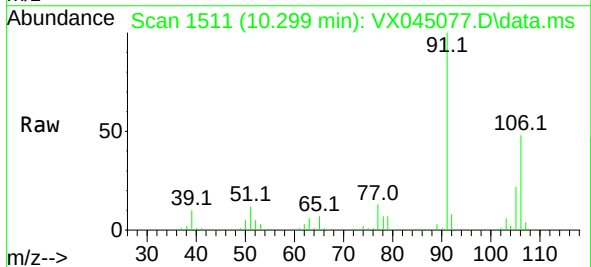
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

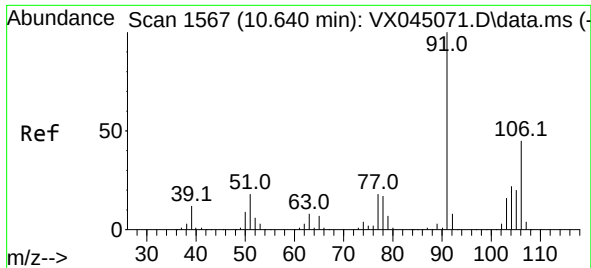
Tgt Ion: 91 Resp: 323851
Ion Ratio Lower Upper
91 100
106 30.8 23.9 35.9



#68
m/p-Xylenes
Concen: 102.789 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 106 Resp: 239135
Ion Ratio Lower Upper
106 100
91 208.3 165.4 248.0

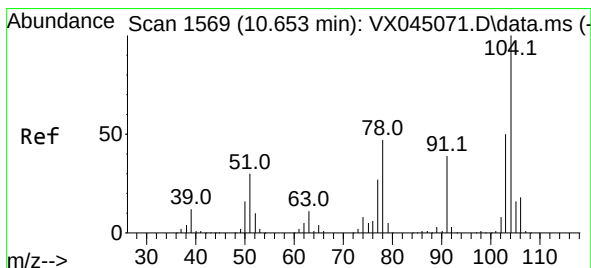
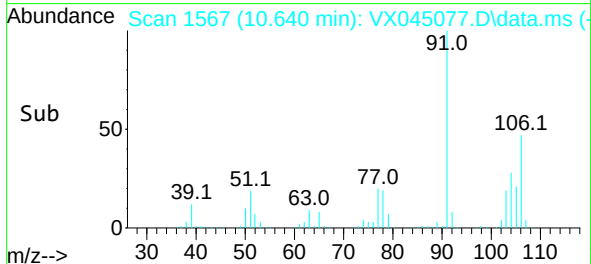
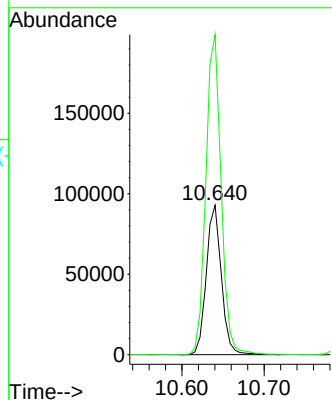
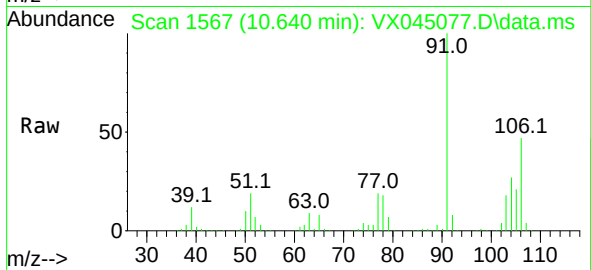




#69
o-Xylene
Concen: 50.318 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

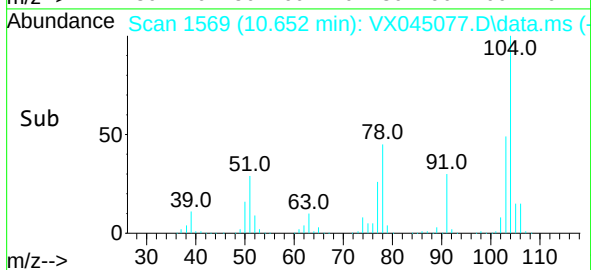
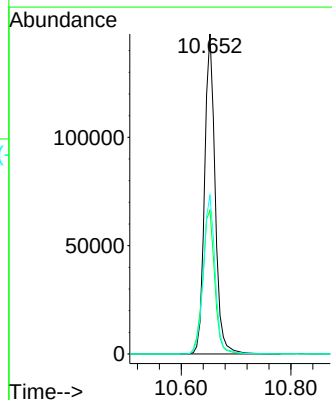
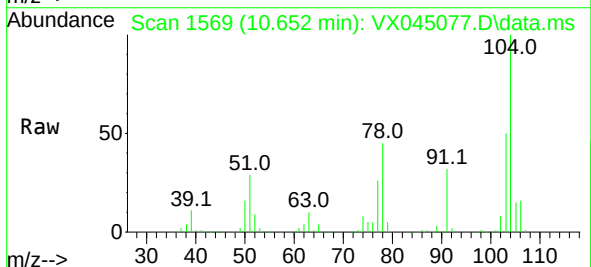
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

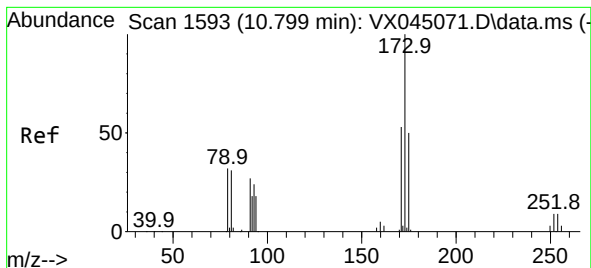
Tgt Ion:106 Resp: 118067
Ion Ratio Lower Upper
106 100
91 217.0 109.9 329.6



#70
Styrene
Concen: 51.891 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:104 Resp: 197009
Ion Ratio Lower Upper
104 100
78 51.2 42.2 63.4
103 55.1 43.8 65.8

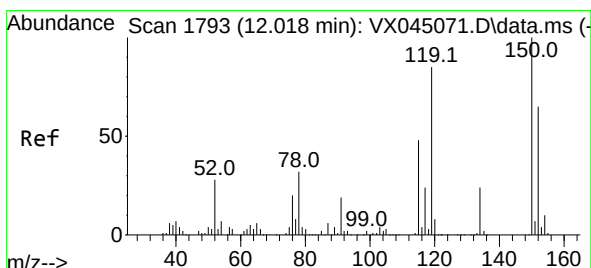
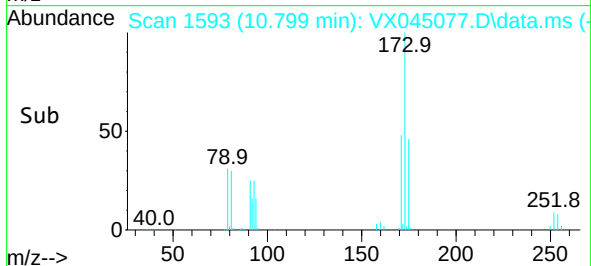
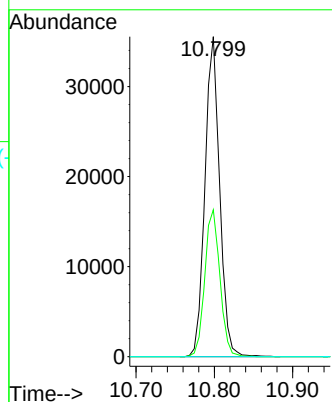
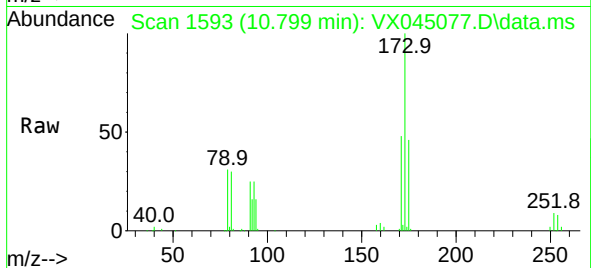




#71
Bromoform
Concen: 50.513 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

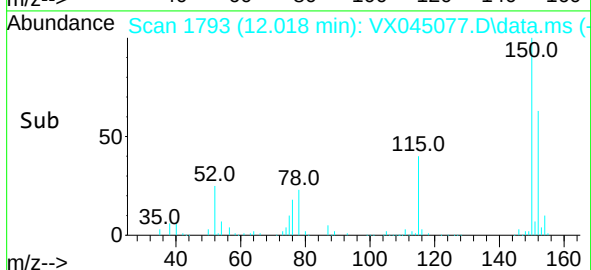
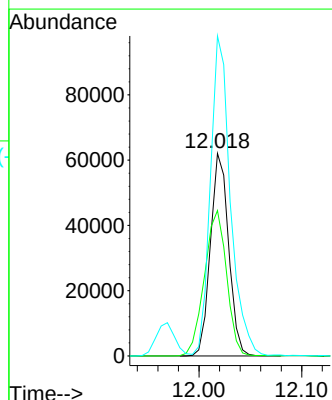
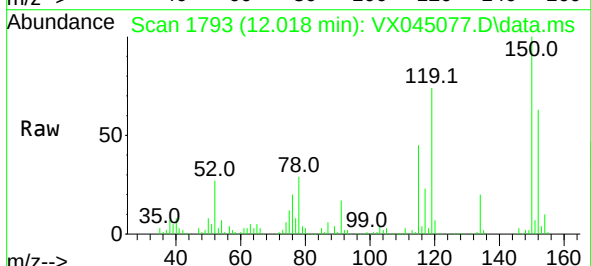
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

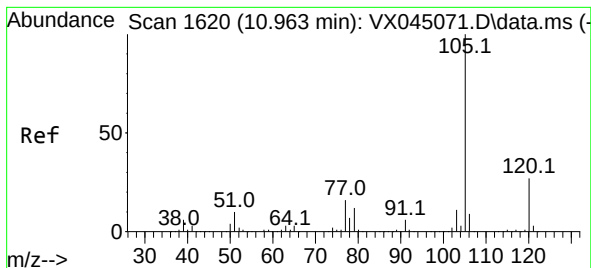
Tgt Ion:173 Resp: 46267
Ion Ratio Lower Upper
173 100
175 47.2 24.6 73.6
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:152 Resp: 76314
Ion Ratio Lower Upper
152 100
115 87.8 44.2 132.6
150 174.2 0.0 349.0





#73

Isopropylbenzene

Concen: 50.901 ug/l

RT: 10.957 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

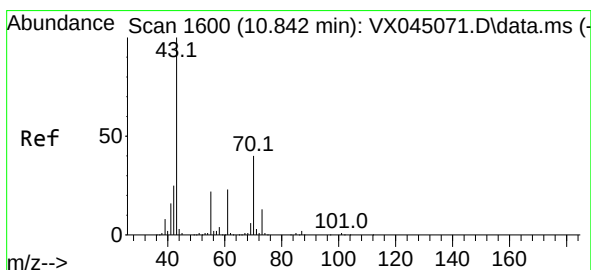
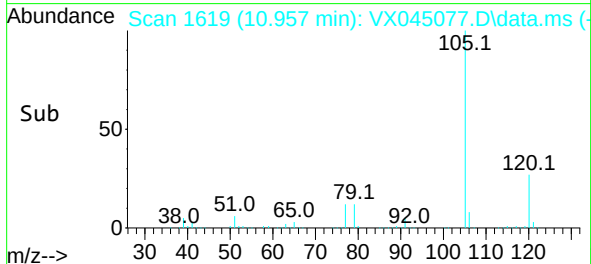
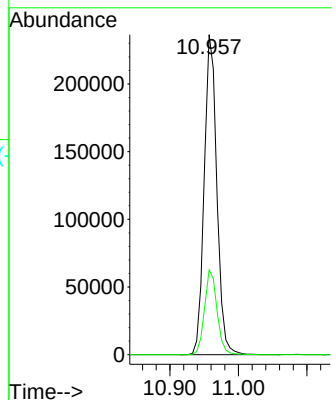
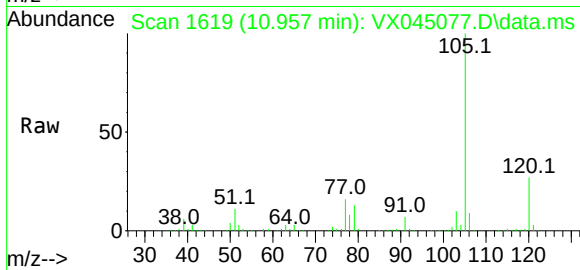
VSTDCCC050

Tgt Ion:105 Resp: 303194

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.5



#74

N-ethyl acetate

Concen: 51.942 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Tgt Ion: 43 Resp: 145178

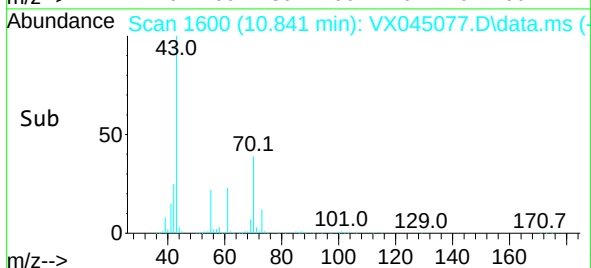
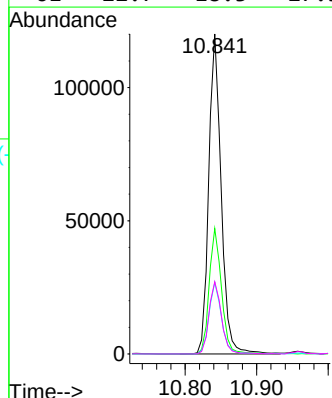
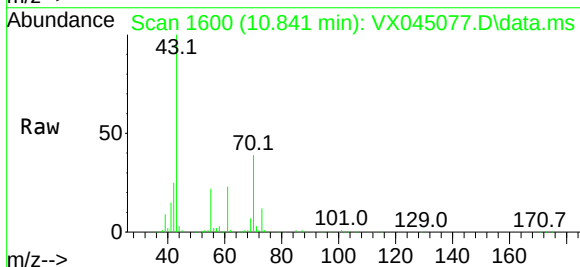
Ion Ratio Lower Upper

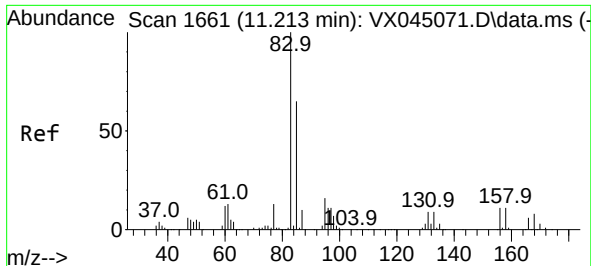
43 100

70 39.0 31.8 47.6

55 22.5 18.3 27.5

61 22.7 18.3 27.5

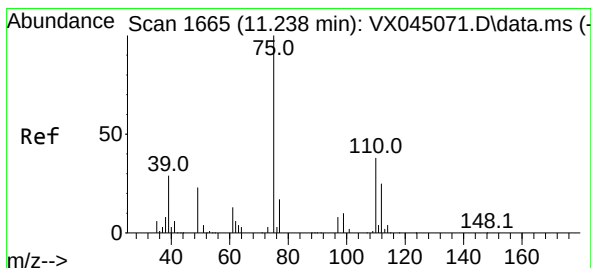
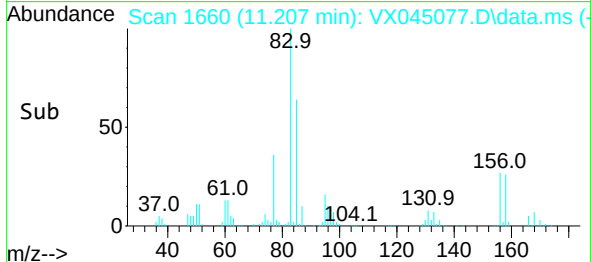
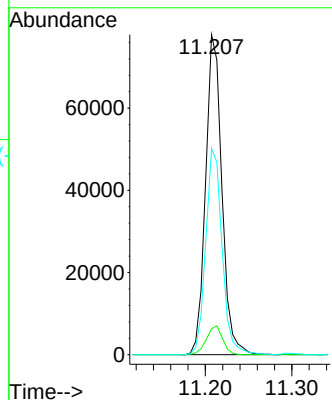
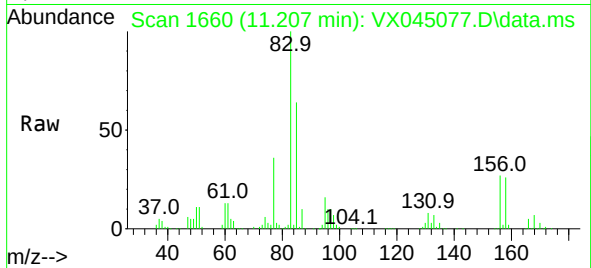




#75
1,1,2,2-Tetrachloroethane
Concen: 46.579 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.006 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

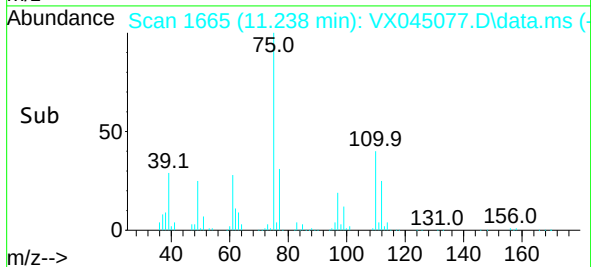
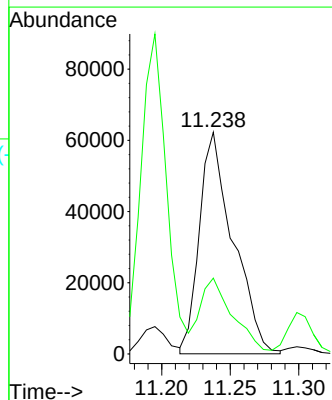
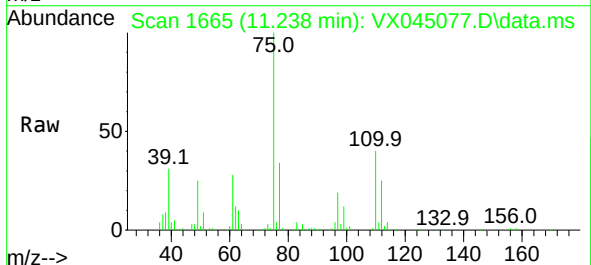
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

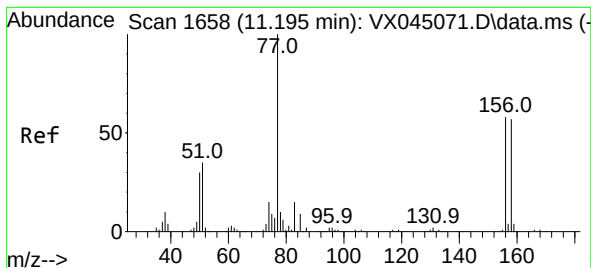
Tgt Ion: 83 Resp: 101813
Ion Ratio Lower Upper
83 100
131 9.0 4.5 13.4
85 64.9 31.7 95.1



#76
1,2,3-Trichloropropane
Concen: 60.151 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 75 Resp: 106841
Ion Ratio Lower Upper
75 100
77 33.5 20.7 62.1





#77

Bromobenzene

Concen: 49.698 ug/l

RT: 11.195 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

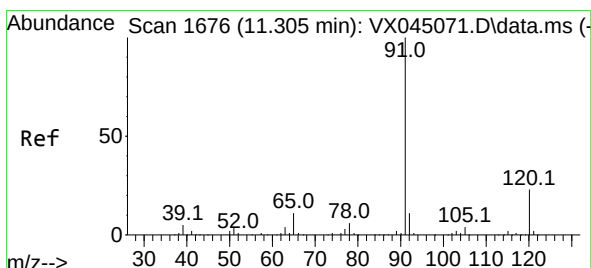
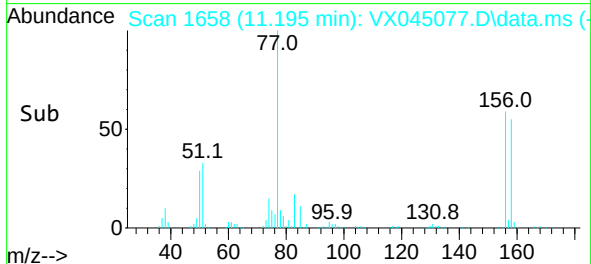
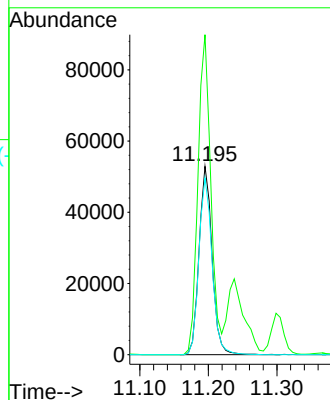
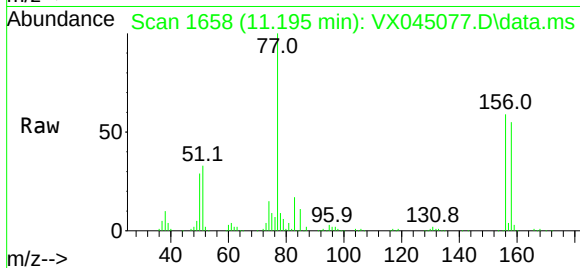
Tgt Ion:156 Resp: 69846

Ion Ratio Lower Upper

156 100

77 168.4 85.8 257.4

158 95.6 48.4 145.2



#78

n-propylbenzene

Concen: 52.644 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. -0.006 min

Lab File: VX045077.D

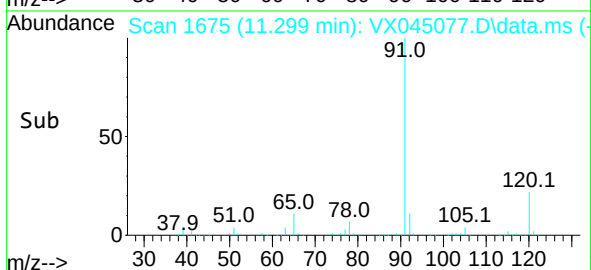
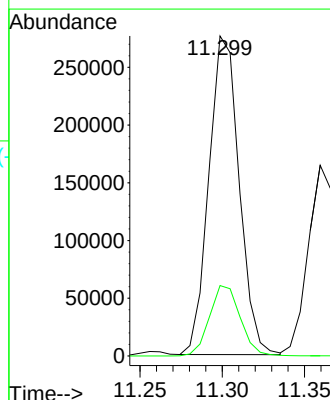
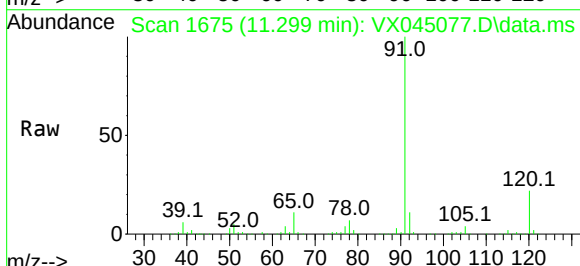
Acq: 28 Feb 2025 10:32

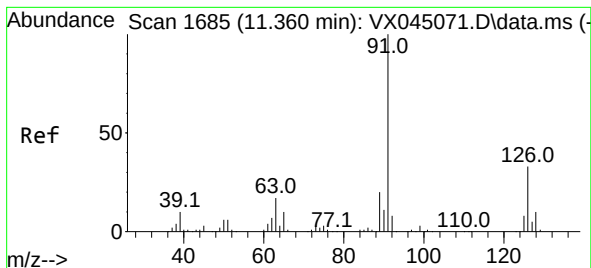
Tgt Ion: 91 Resp: 354229

Ion Ratio Lower Upper

91 100

120 22.5 11.2 33.6





#79

2-Chlorotoluene

Concen: 48.935 ug/l

RT: 11.360 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

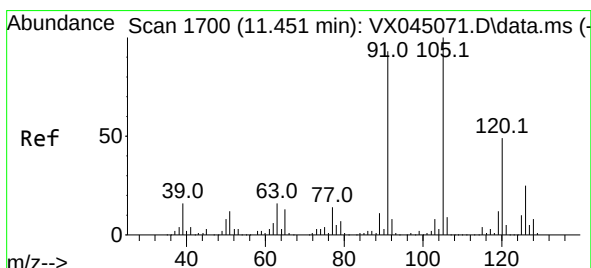
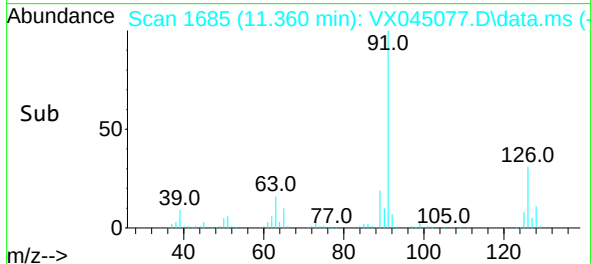
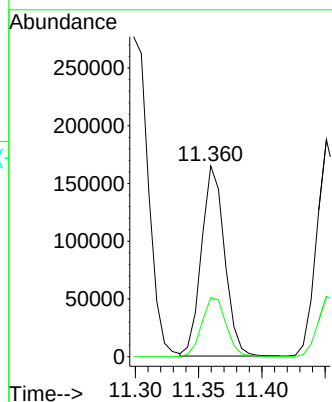
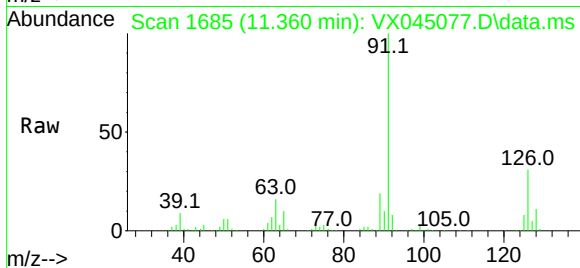
VSTDCCC050

Tgt Ion: 91 Resp: 209700

Ion Ratio Lower Upper

91 100

126 32.8 16.4 49.4



#80

1,3,5-Trimethylbenzene

Concen: 51.381 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX045077.D

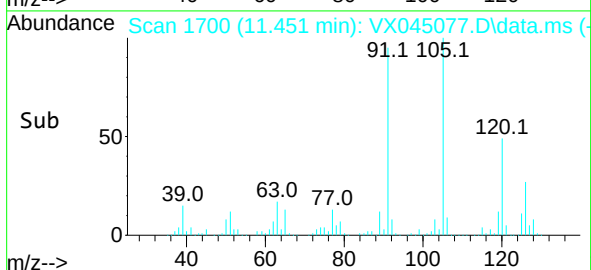
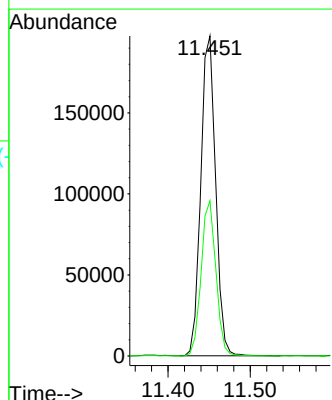
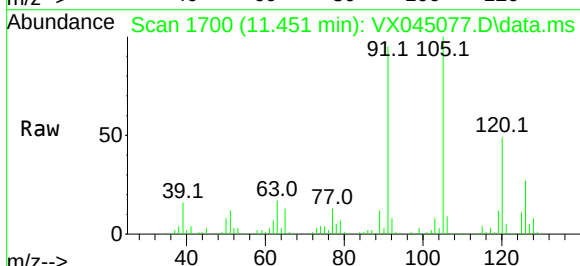
Acq: 28 Feb 2025 10:32

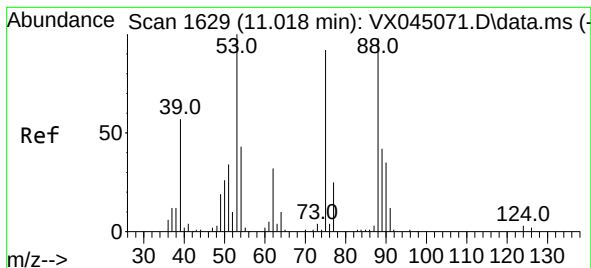
Tgt Ion: 105 Resp: 247465

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.2

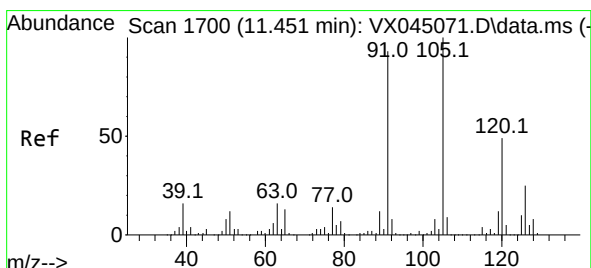
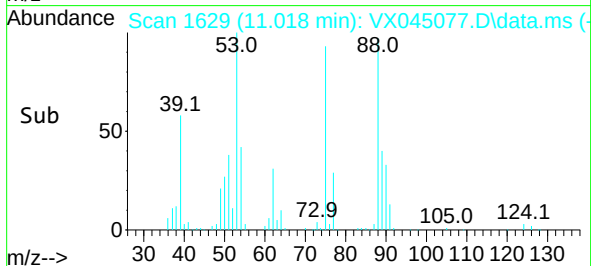
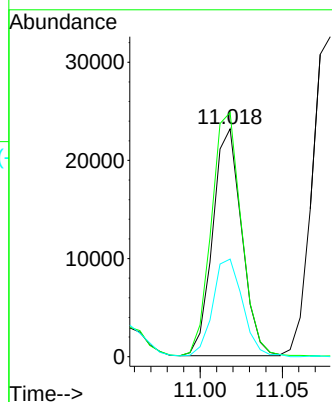
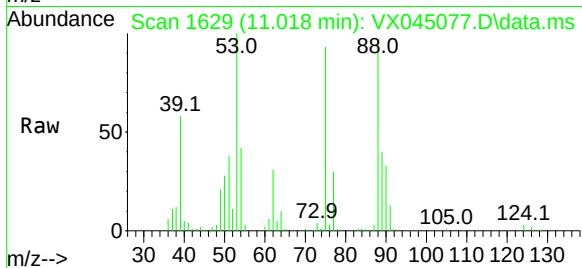




#81
trans-1,4-Dichloro-2-butene
Concen: 54.791 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

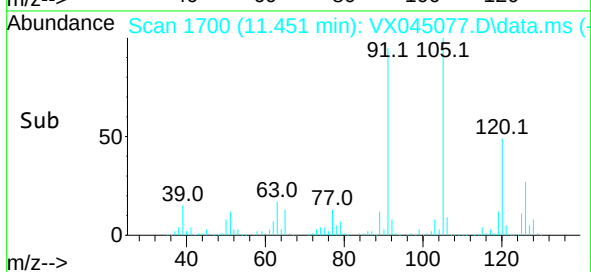
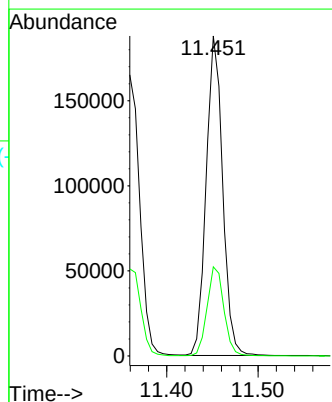
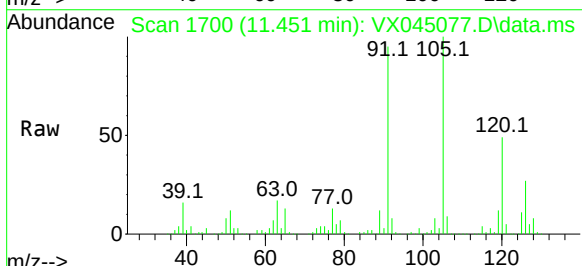
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

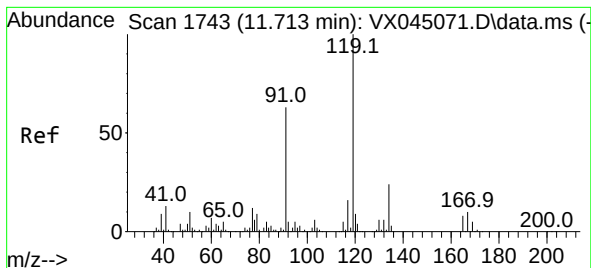
Tgt Ion:	75	Resp:	28438
Ion	Ratio	Lower	Upper
75	100		
53	112.4	88.5	132.7
89	44.4	36.2	54.4



#82
4-Chlorotoluene
Concen: 50.324 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:	91	Resp:	235030
Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.1	42.4

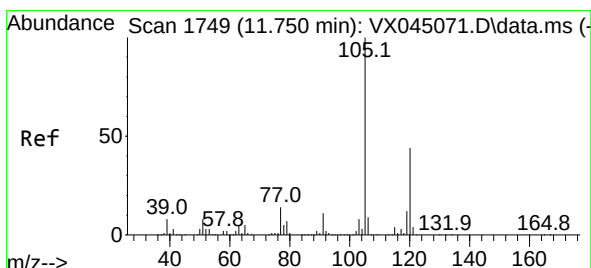
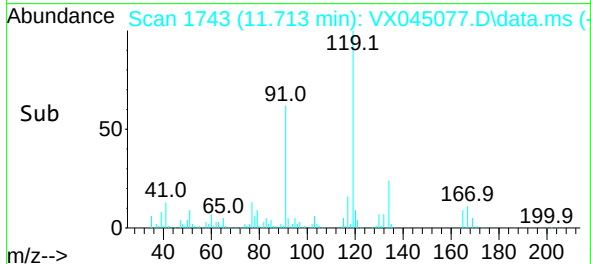
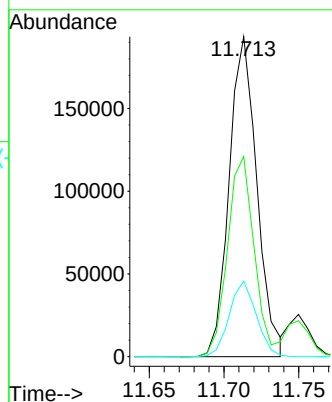
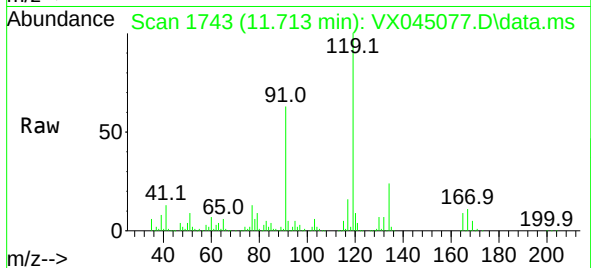




#83
tert-Butylbenzene
Concen: 50.405 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

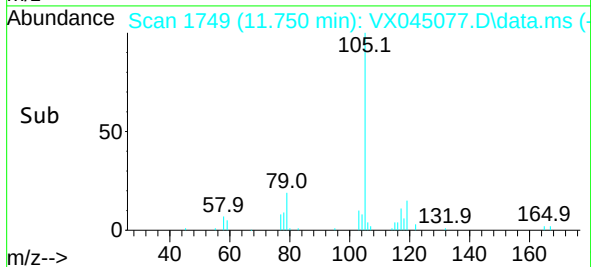
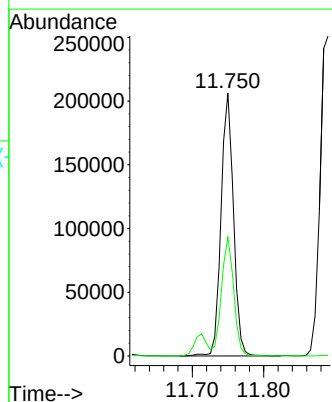
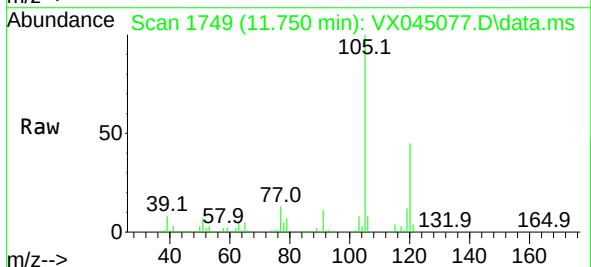
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

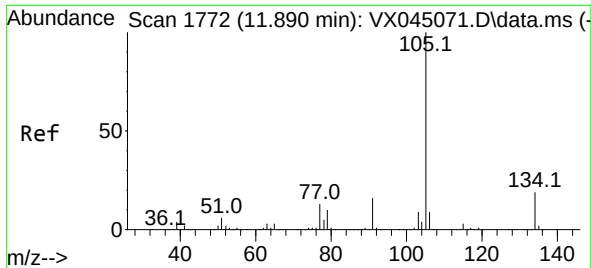
Tgt Ion:119 Resp: 249434
Ion Ratio Lower Upper
119 100
91 59.6 30.7 92.1
134 23.0 11.7 35.0



#84
1,2,4-Trimethylbenzene
Concen: 51.398 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:105 Resp: 249084
Ion Ratio Lower Upper
105 100
120 44.8 22.1 66.1

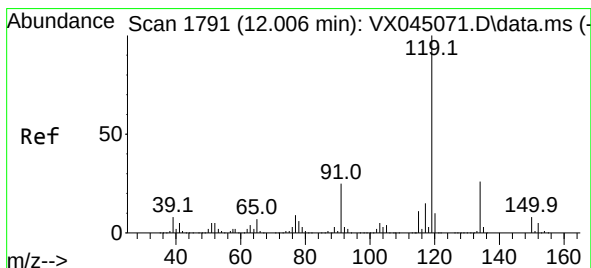
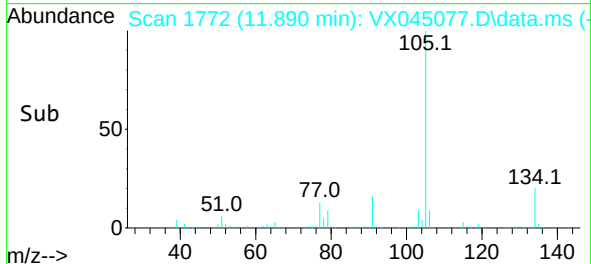
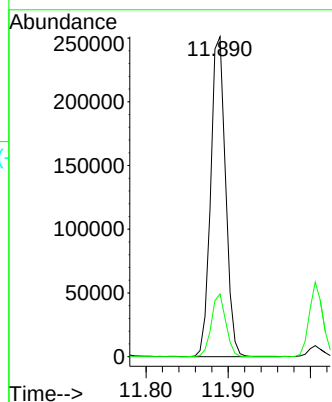
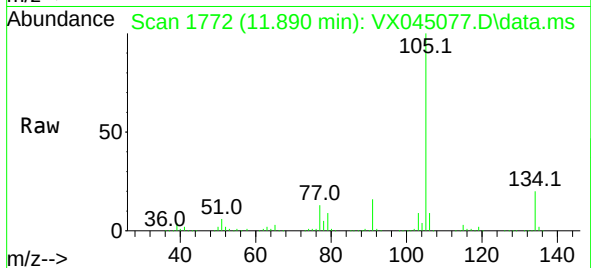




#85
sec-Butylbenzene
Concen: 53.135 ug/l
RT: 11.890 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

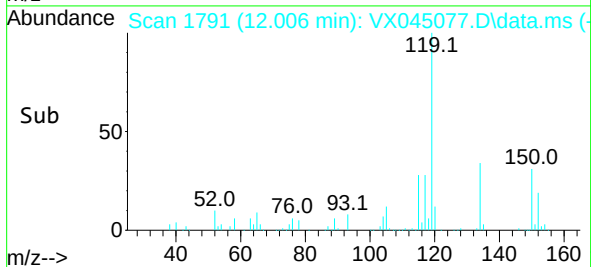
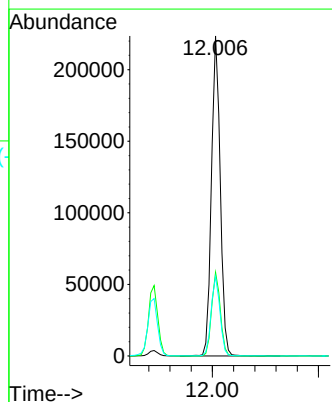
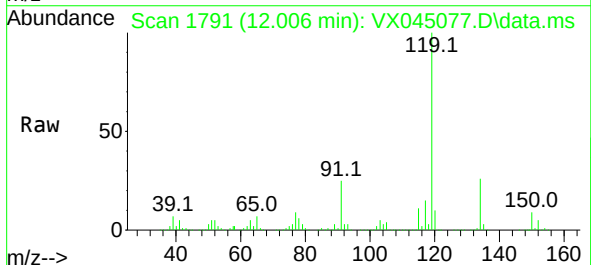
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

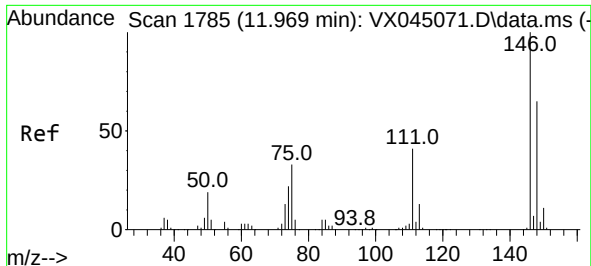
Tgt Ion:105 Resp: 314975
Ion Ratio Lower Upper
105 100
134 19.1 9.8 29.4



#86
p-Isopropyltoluene
Concen: 53.578 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:119 Resp: 256666
Ion Ratio Lower Upper
119 100
134 25.9 12.9 38.6
91 24.9 12.7 38.0

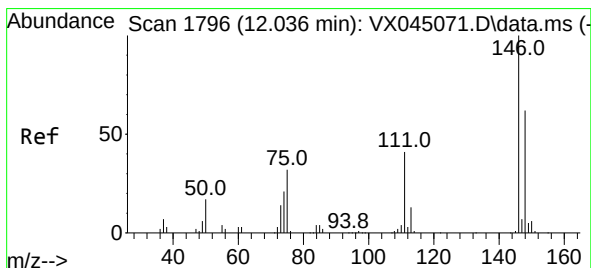
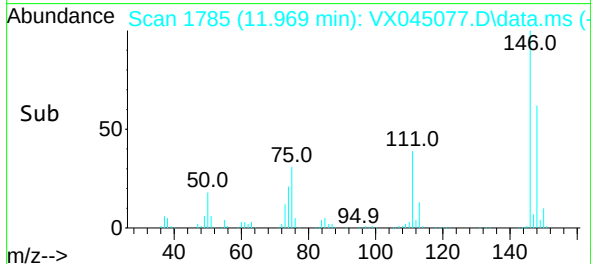
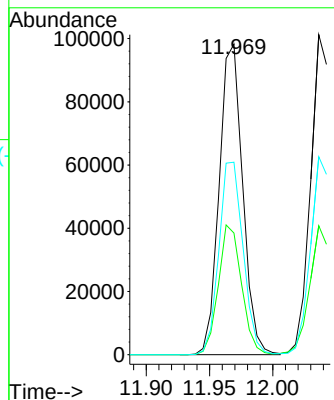
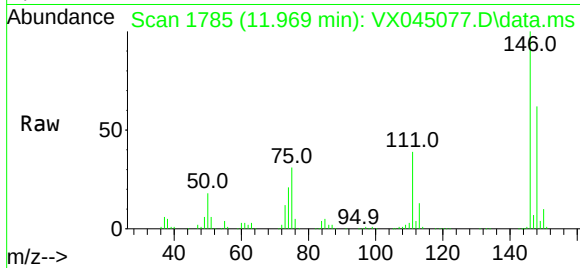




#87
1,3-Dichlorobenzene
Concen: 50.525 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

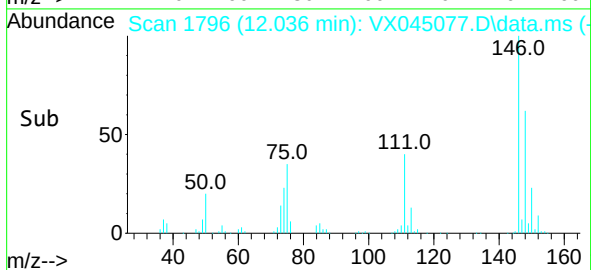
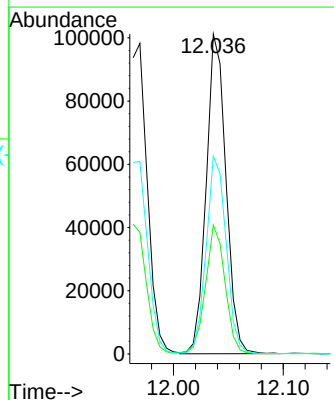
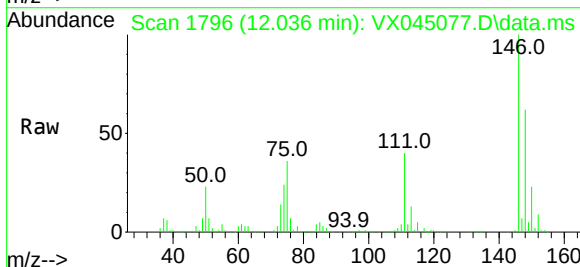
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

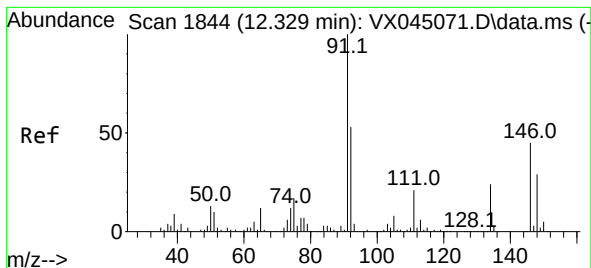
Tgt Ion:146 Resp: 126673
Ion Ratio Lower Upper
146 100
111 41.2 21.1 63.4
148 64.0 31.9 95.7



#88
1,4-Dichlorobenzene
Concen: 49.736 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion:146 Resp: 126155
Ion Ratio Lower Upper
146 100
111 40.1 20.2 60.5
148 62.9 31.9 95.9

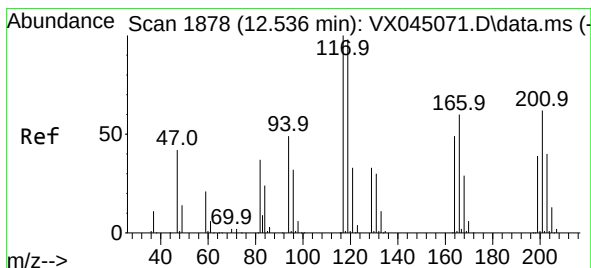
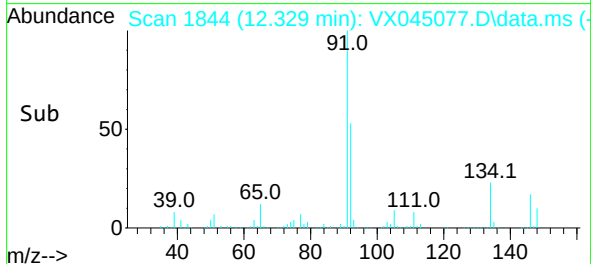
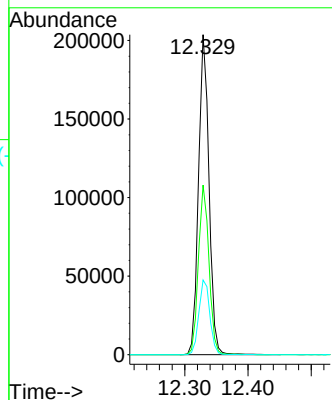
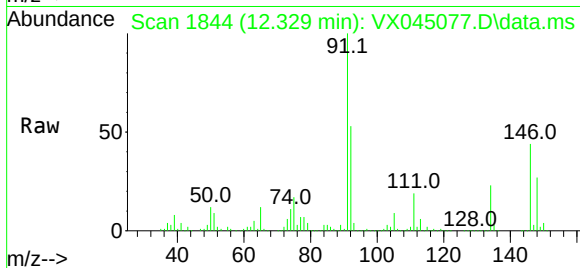




#89
n-Butylbenzene
Concen: 56.931 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

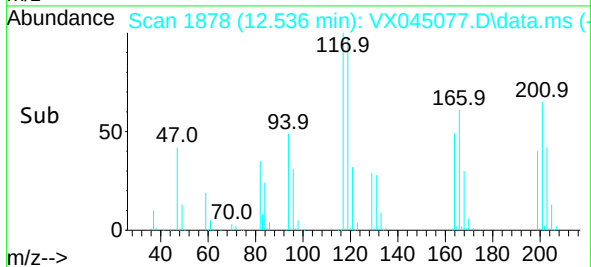
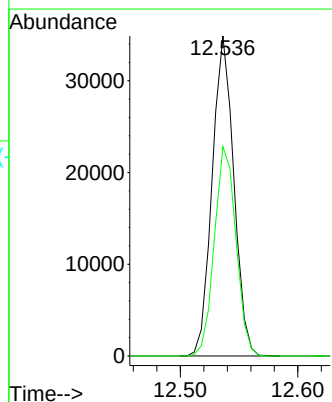
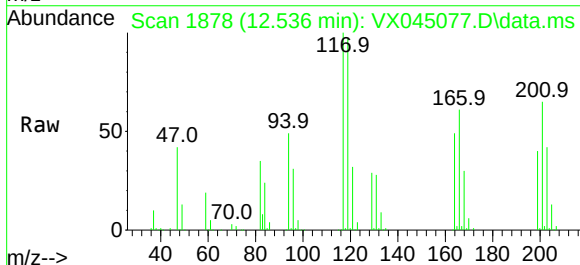
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

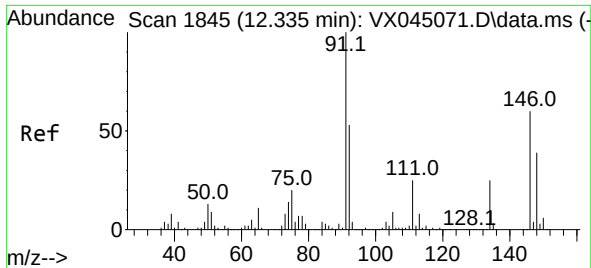
Tgt Ion: 91 Resp: 234896
Ion Ratio Lower Upper
91 100
92 53.5 26.7 80.0
134 24.5 12.2 36.6



#90
Hexachloroethane
Concen: 51.547 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 117 Resp: 44665
Ion Ratio Lower Upper
117 100
201 65.4 31.9 95.9

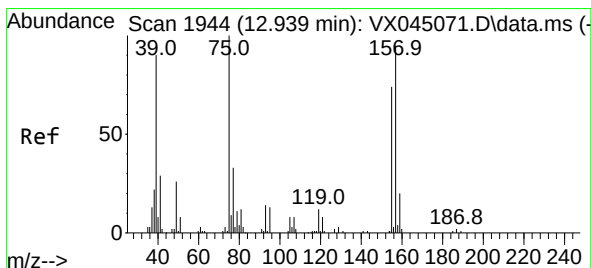
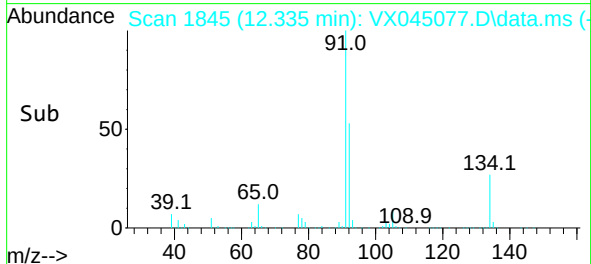
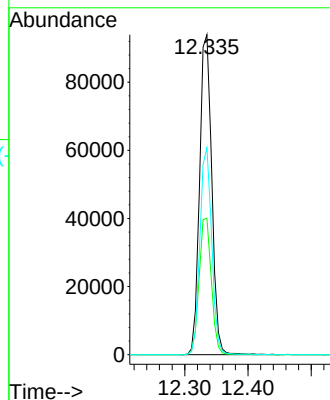
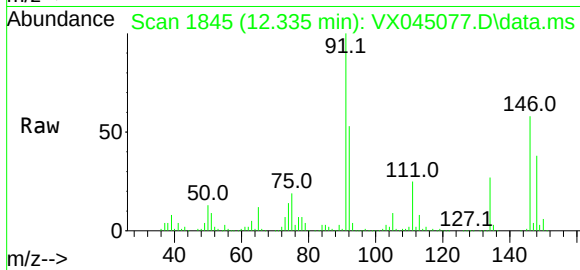




#91
1,2-Dichlorobenzene
Concen: 50.134 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

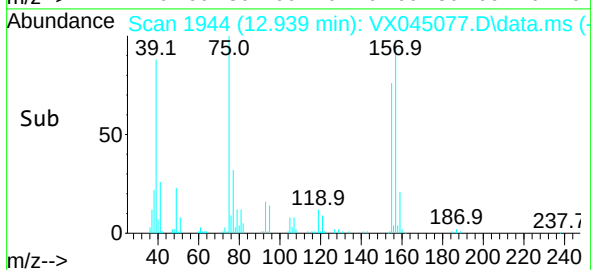
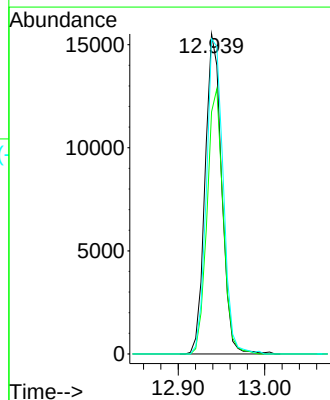
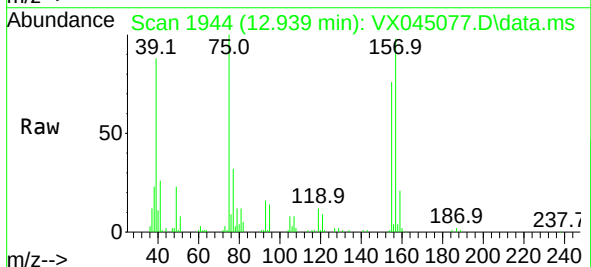
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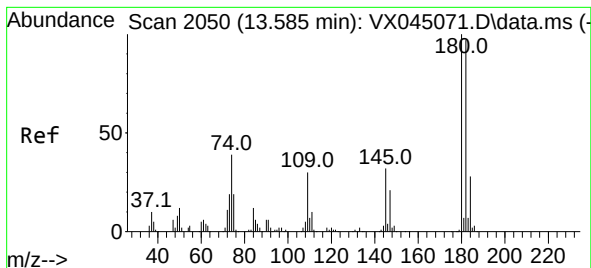
Tgt Ion:146 Resp: 126089
Ion Ratio Lower Upper
146 100
111 43.0 21.6 65.0
148 62.8 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 48.248 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045077.D
Acq: 28 Feb 2025 10:32

Tgt Ion: 75 Resp: 20546
Ion Ratio Lower Upper
75 100
155 80.4 39.6 118.7
157 99.9 51.1 153.4





#93

1,2,4-Trichlorobenzene

Concen: 54.961 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

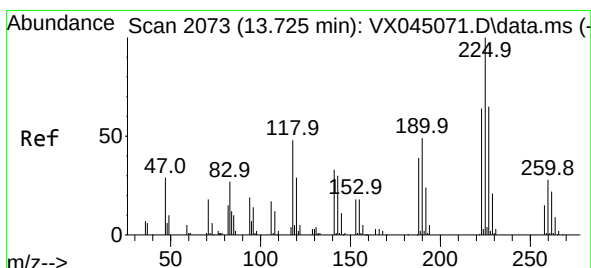
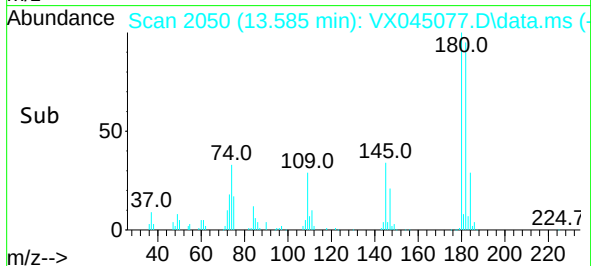
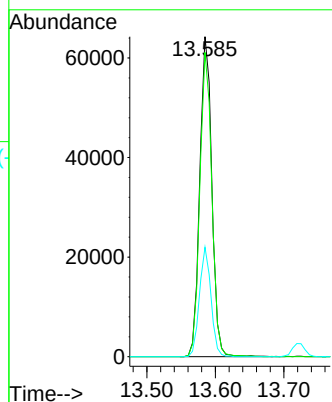
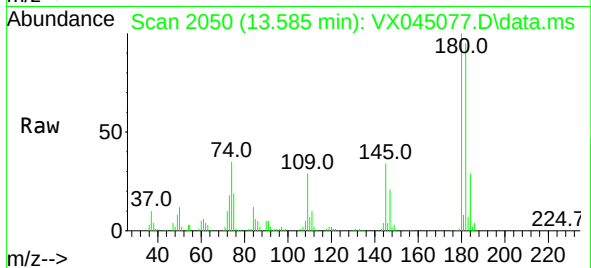
Tgt Ion:180 Resp: 78708

Ion Ratio Lower Upper

180 100

182 94.8 47.3 141.9

145 32.7 16.3 48.9



#94

Hexachlorobutadiene

Concen: 52.406 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

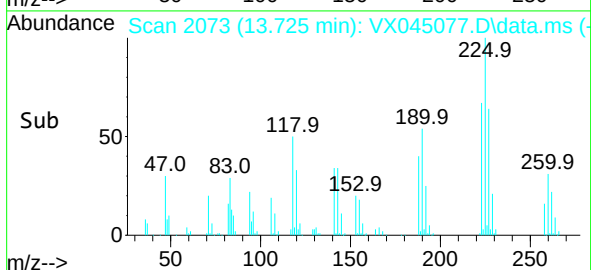
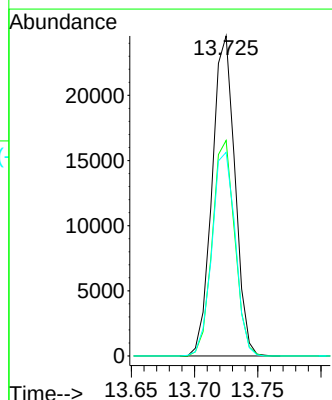
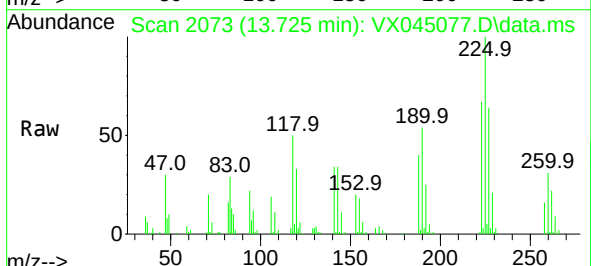
Tgt Ion:225 Resp: 30769

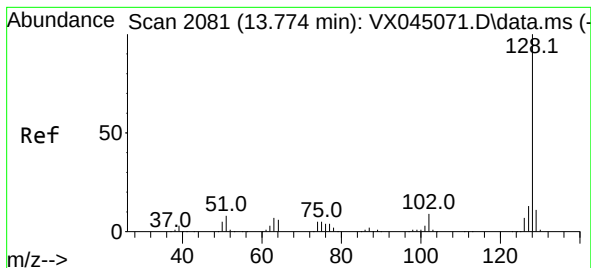
Ion Ratio Lower Upper

225 100

223 66.2 31.9 95.7

227 65.1 31.4 94.0





#95

Naphthalene

Concen: 52.367 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

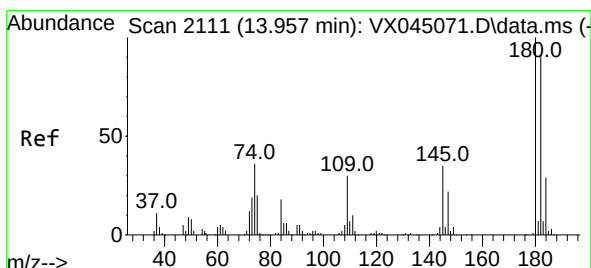
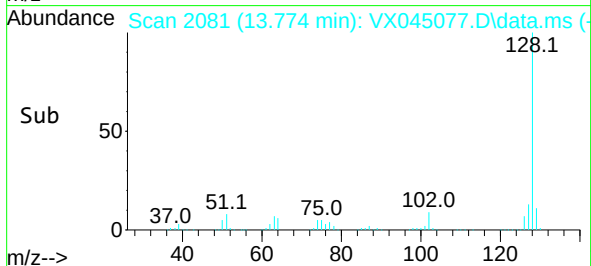
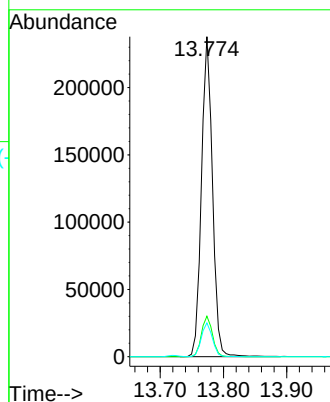
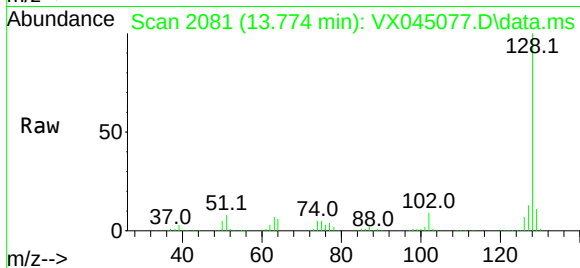
Tgt Ion:128 Resp: 288129

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 10.6 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 52.796 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. -0.000 min

Lab File: VX045077.D

Acq: 28 Feb 2025 10:32

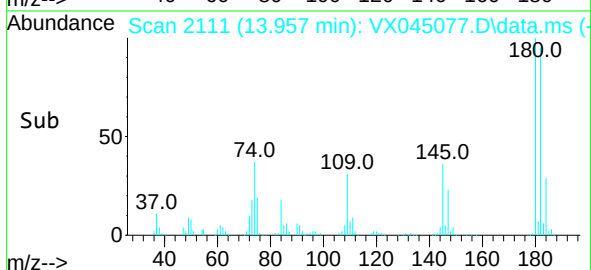
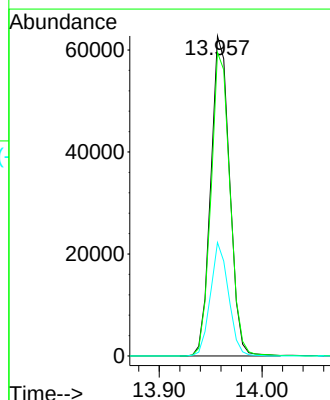
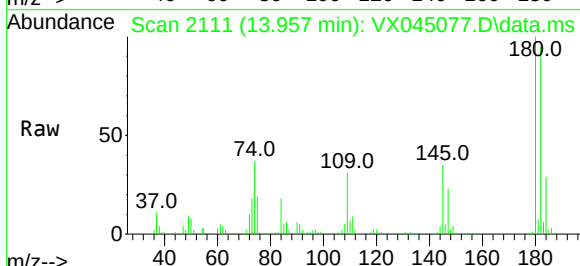
Tgt Ion:180 Resp: 79762

Ion Ratio Lower Upper

180 100

182 95.9 47.5 142.6

145 34.1 17.0 50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045080.D
 Acq On : 28 Feb 2025 11:46
 Operator : JC/MD
 Sample : VX0228WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBS01

Quant Time: Feb 28 14:28:21 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	108329	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	192724	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	169474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76472	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80881	46.938	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.880%
35) Dibromofluoromethane	5.379	113	62124	48.207	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.420%
50) Toluene-d8	8.647	98	233874	50.059	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.120%
62) 4-Bromofluorobenzene	11.079	95	78964	51.005	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.020%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	25993	19.062	ug/l	98
3) Chloromethane	1.301	50	31053	18.608	ug/l	96
4) Vinyl Chloride	1.374	62	30398	18.363	ug/l	96
5) Bromomethane	1.593	94	11496	17.665	ug/l	98
6) Chloroethane	1.660	64	12662	16.582	ug/l	99
7) Trichlorofluoromethane	1.868	101	40845	18.638	ug/l	100
8) Diethyl Ether	2.136	74	14376	16.771	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.319	101	25054	19.899	ug/l	99
10) Methyl Iodide	2.441	142	27491	17.472	ug/l	97
11) Tert butyl alcohol	2.995	59	26171	80.184	ug/l	99
12) 1,1-Dichloroethene	2.306	96	24097	18.103	ug/l	97
13) Acrolein	2.239	56	42643	113.023	ug/l	98
14) Allyl chloride	2.654	41	44238	18.670	ug/l	99
15) Acrylonitrile	3.069	53	78022	89.193	ug/l	98
16) Acetone	2.386	43	66572	83.269	ug/l	100
17) Carbon Disulfide	2.502	76	62721	17.691	ug/l	97
18) Methyl Acetate	2.709	43	33660	17.501	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	79756	17.859	ug/l	98
20) Methylene Chloride	2.782	84	28274	17.853	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	24403	18.556	ug/l	95
22) Diisopropyl ether	3.764	45	89611	18.596	ug/l	94
23) Vinyl Acetate	3.721	43	377536	93.881	ug/l	99
24) 1,1-Dichloroethane	3.599	63	48272	17.874	ug/l	99
25) 2-Butanone	4.562	43	110248	91.613	ug/l	100
26) 2,2-Dichloropropane	4.471	77	33053	26.092	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	29539	18.196	ug/l	96
28) Bromochloromethane	4.891	49	22404	17.404	ug/l	98
29) Tetrahydrofuran	5.007	42	71331	88.264	ug/l	99
30) Chloroform	5.086	83	48521	18.082	ug/l	97
31) Cyclohexane	5.458	56	45303	19.324	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	39336	18.150	ug/l	99
36) 1,1-Dichloropropene	5.684	75	33230	18.803	ug/l	99
37) Ethyl Acetate	4.715	43	40562	17.811	ug/l	98
38) Carbon Tetrachloride	5.666	117	33280	18.548	ug/l	96
39) Methylcyclohexane	7.373	83	44081	20.816	ug/l	97
40) Benzene	6.031	78	106228	19.035	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045080.D
 Acq On : 28 Feb 2025 11:46
 Operator : JC/MD
 Sample : VX0228WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBS01

Quant Time: Feb 28 14:28:21 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	22360	18.159	ug/l	97
42) 1,2-Dichloroethane	6.086	62	37297	18.559	ug/l	100
43) Isopropyl Acetate	6.342	43	64239	19.076	ug/l	99
44) Trichloroethene	7.123	130	24390	18.612	ug/l	93
45) 1,2-Dichloropropane	7.428	63	26709	18.614	ug/l	96
46) Dibromomethane	7.580	93	19218	18.949	ug/l	99
47) Bromodichloromethane	7.818	83	37048	18.624	ug/l	99
48) Methyl methacrylate	7.690	41	30953	18.322	ug/l	97
49) 1,4-Dioxane	7.665	88	13158	369.225	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	216153	95.598	ug/l	100
52) Toluene	8.714	92	64270	19.628	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	32395	19.479	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	38727	19.970	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	25711	19.074	ug/l	98
56) Ethyl methacrylate	9.116	69	38638	18.857	ug/l	99
57) 1,3-Dichloropropane	9.305	76	44044	18.881	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	99991	100.039	ug/l	99
59) 2-Hexanone	9.433	43	158894	96.991	ug/l	100
60) Dibromochloromethane	9.519	129	26039	18.475	ug/l	96
61) 1,2-Dibromoethane	9.610	107	25976	19.303	ug/l	97
64) Tetrachloroethene	9.269	164	20636	19.012	ug/l	98
65) Chlorobenzene	10.079	112	70182	19.571	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.159	131	21951	18.381	ug/l	98
67) Ethyl Benzene	10.189	91	121335	19.418	ug/l	100
68) m/p-Xylenes	10.299	106	91808	40.136	ug/l	99
69) o-Xylene	10.640	106	45354	19.659	ug/l	98
70) Styrene	10.653	104	75515	20.230	ug/l	98
71) Bromoform	10.799	173	16386	18.196	ug/l #	99
73) Isopropylbenzene	10.957	105	115731	19.389	ug/l	100
74) N-amyl acetate	10.842	43	53161	18.981	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	40107	18.311	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	40243	22.610	ug/l	88
77) Bromobenzene	11.195	156	26840	19.058	ug/l	99
78) n-propylbenzene	11.305	91	135011	20.023	ug/l	100
79) 2-Chlorotoluene	11.360	91	81025	18.869	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	96986	20.095	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	9262	17.808	ug/l	90
82) 4-Chlorotoluene	11.451	91	90109	19.254	ug/l	98
83) tert-Butylbenzene	11.713	119	95461	19.251	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	95268	19.618	ug/l	99
85) sec-Butylbenzene	11.890	105	118388	19.930	ug/l	99
86) p-Isopropyltoluene	12.006	119	97752	20.363	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	48888	19.459	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	49240	19.373	ug/l	99
89) n-Butylbenzene	12.329	91	84515	20.441	ug/l	100
90) Hexachloroethane	12.536	117	16106	18.549	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	48893	19.400	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7561	17.719	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	28247	19.684	ug/l	99
94) Hexachlorobutadiene	13.725	225	11980	20.362	ug/l	99
95) Naphthalene	13.774	128	106065	19.237	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	30059	19.855	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045080.D
Acq On : 28 Feb 2025 11:46
Operator : JC/MD
Sample : VX0228WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Quant Time: Feb 28 14:28:21 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

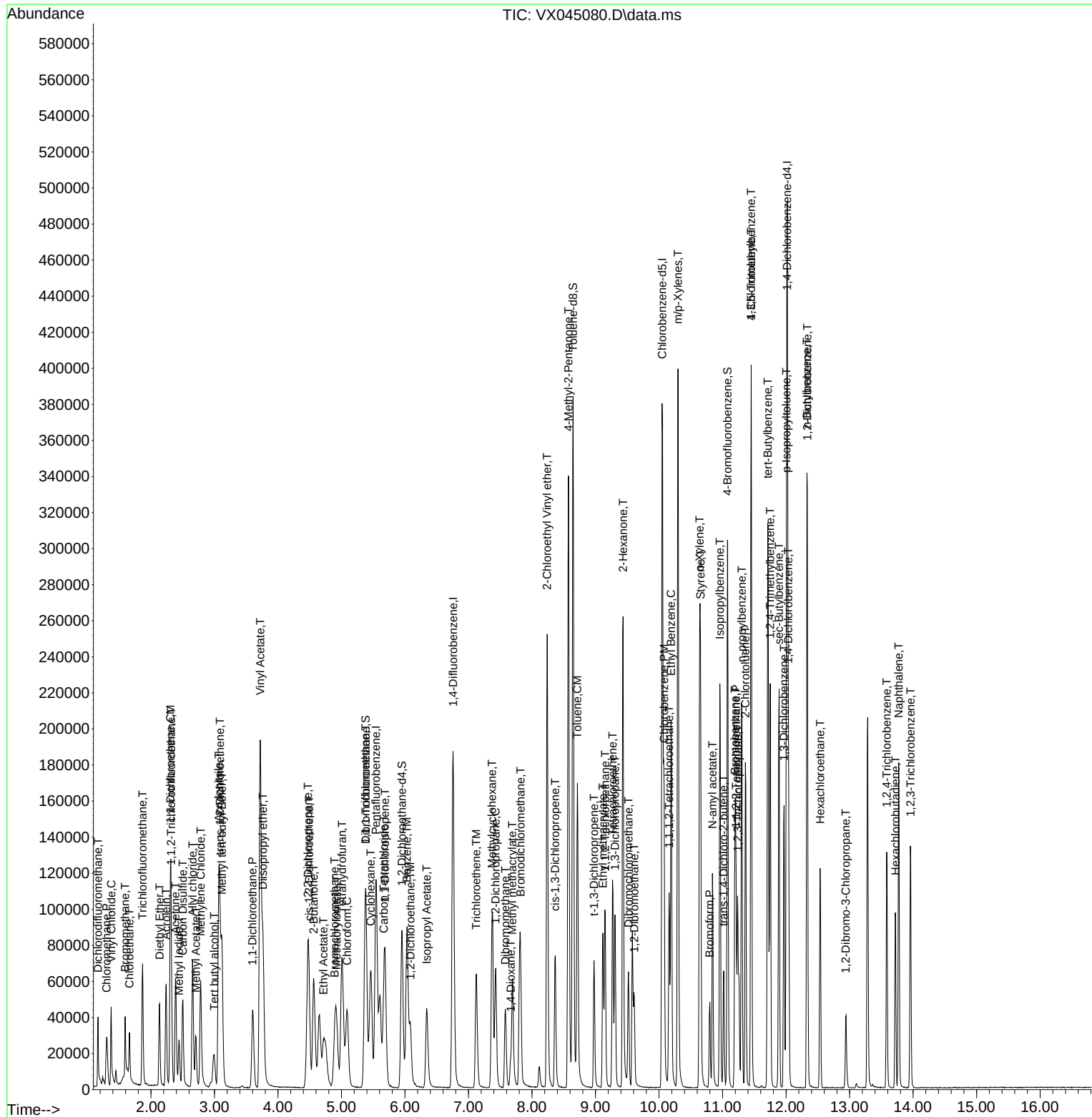
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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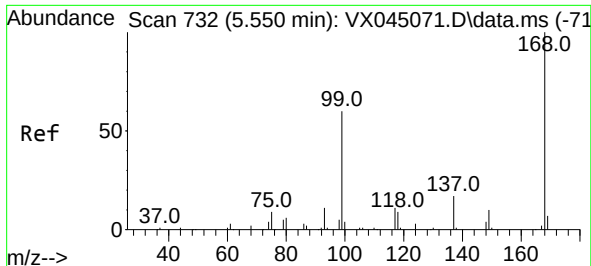
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045080.D
Acq On : 28 Feb 2025 11:46
Operator : JC/MD
Sample : VX0228WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Quant Time: Feb 28 14:28:21 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

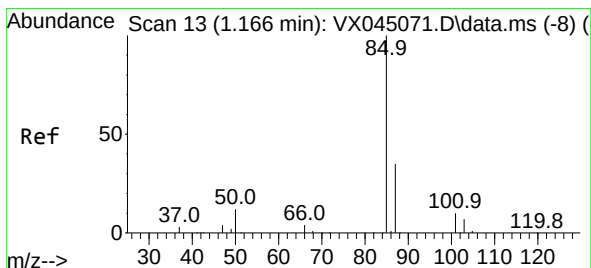
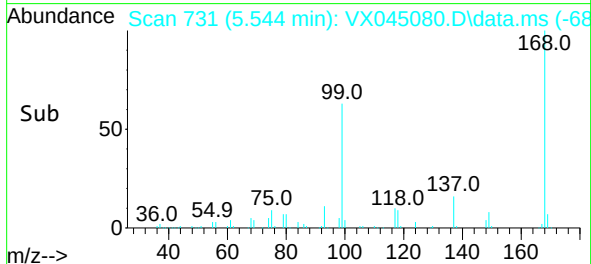
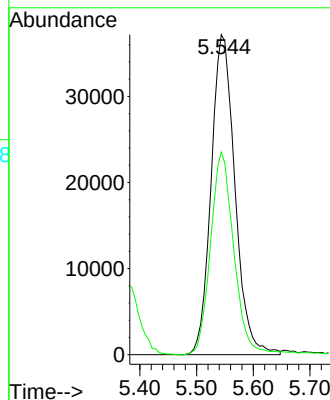
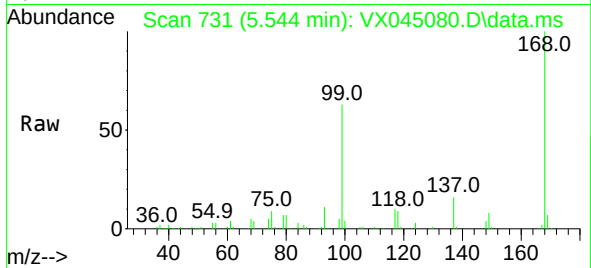




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

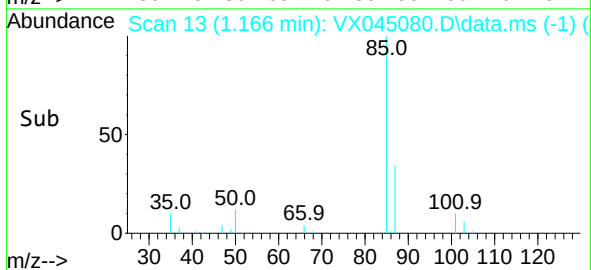
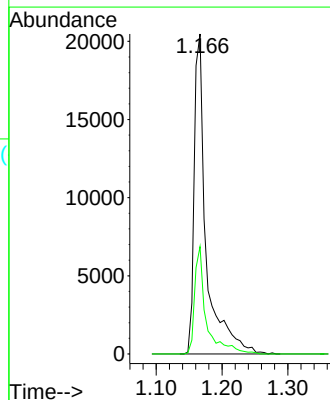
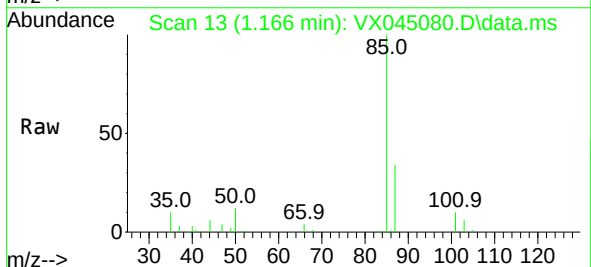
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

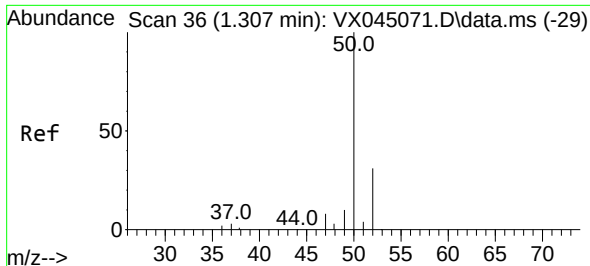
Tgt Ion:168 Resp: 108329
Ion Ratio Lower Upper
168 100
99 63.3 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 19.062 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 85 Resp: 25993
Ion Ratio Lower Upper
85 100
87 33.5 17.4 52.3

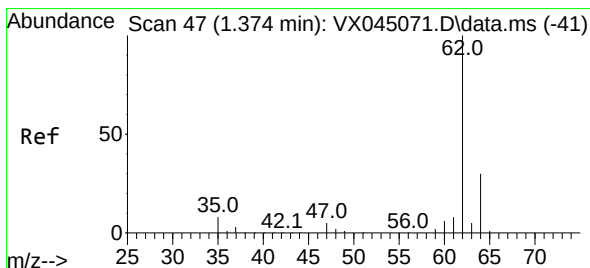
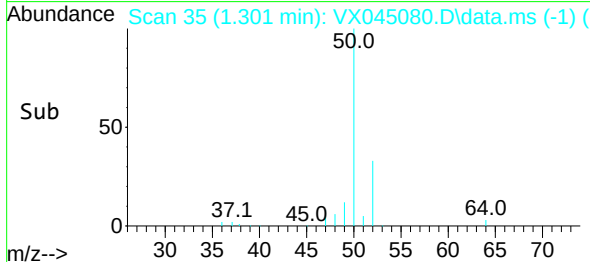
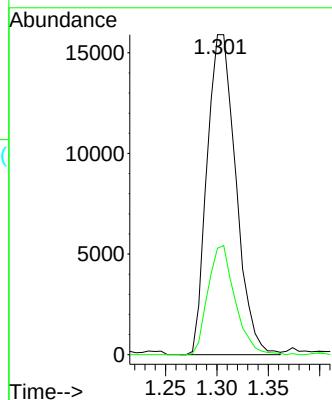
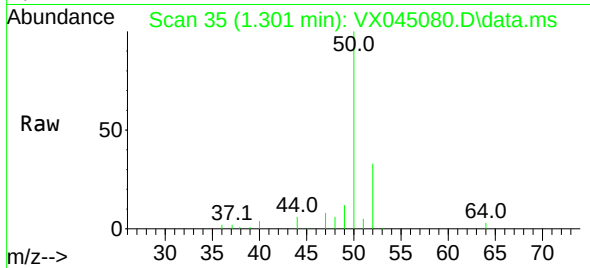




#3
Chloromethane
Concen: 18.608 ug/l
RT: 1.301 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

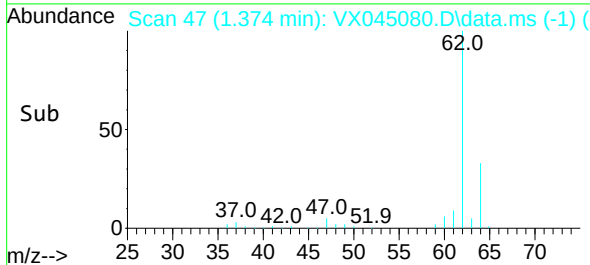
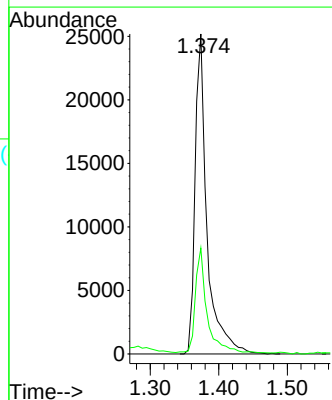
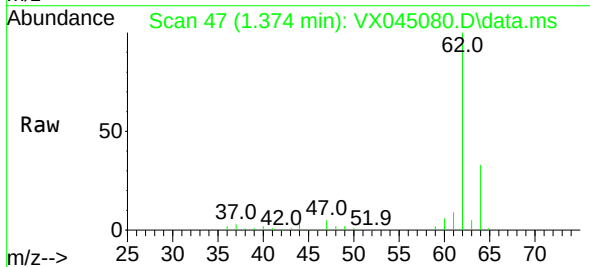
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

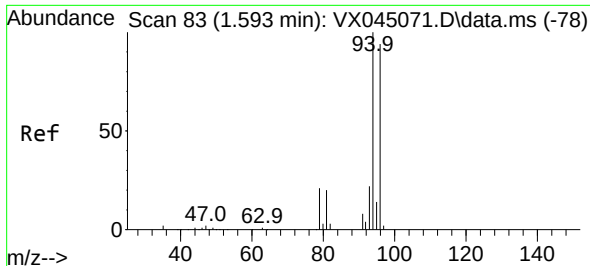
Tgt Ion: 50 Resp: 31053
Ion Ratio Lower Upper
50 100
52 33.3 25.0 37.4



#4
Vinyl Chloride
Concen: 18.363 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 62 Resp: 30398
Ion Ratio Lower Upper
62 100
64 32.5 24.3 36.5

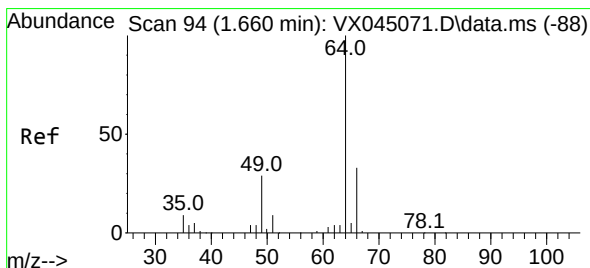
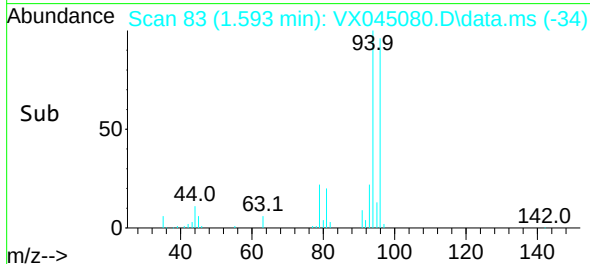
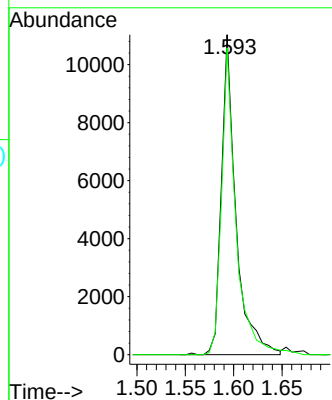
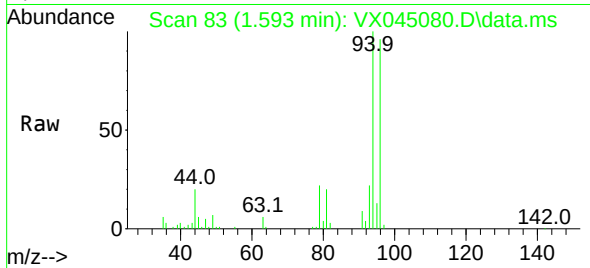




#5
Bromomethane
Concen: 17.665 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

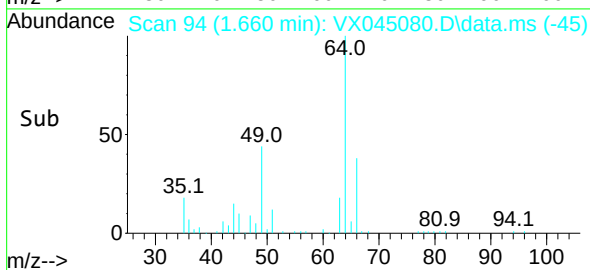
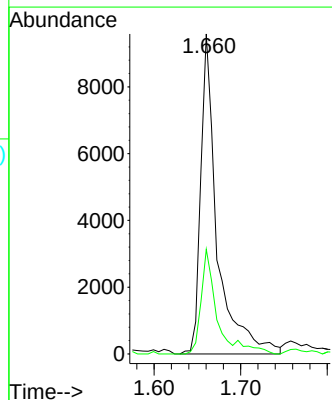
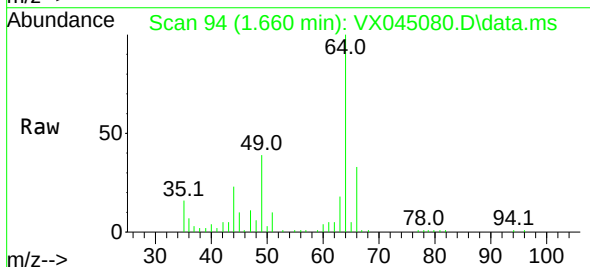
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ClientSampleId :
VX0228WBS01

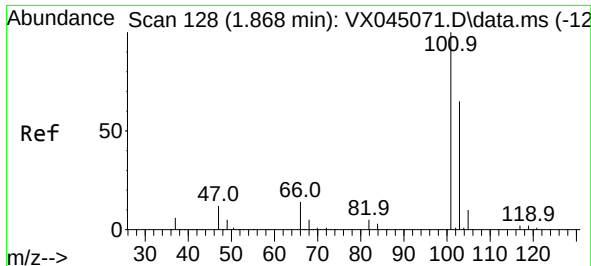
Tgt Ion: 94 Resp: 11496
Ion Ratio Lower Upper
94 100
96 95.9 75.0 112.4



#6
Chloroethane
Concen: 16.582 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 64 Resp: 12662
Ion Ratio Lower Upper
64 100
66 32.7 26.7 40.1

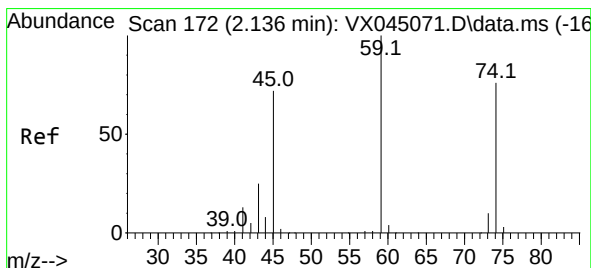
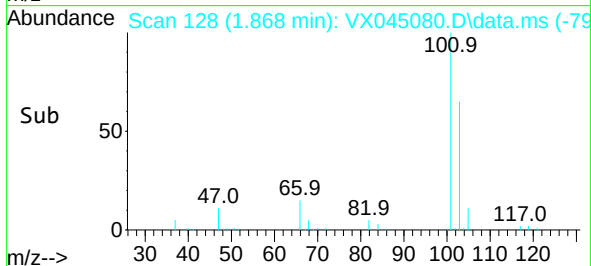
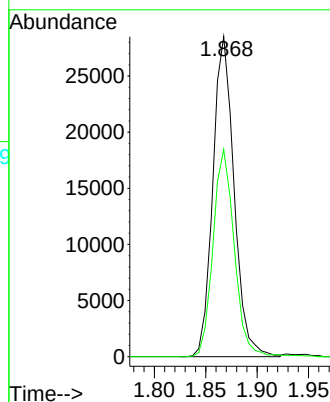
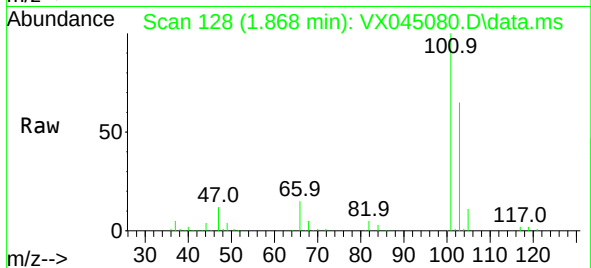




#7
Trichlorofluoromethane
Concen: 18.638 ug/l
RT: 1.868 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

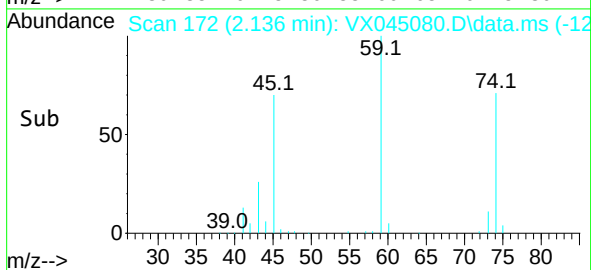
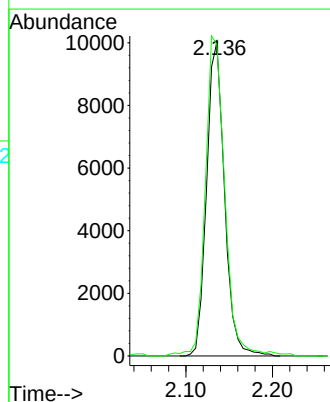
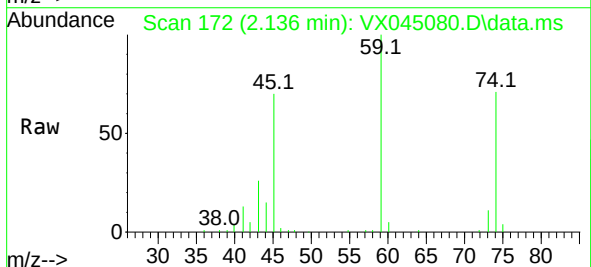
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

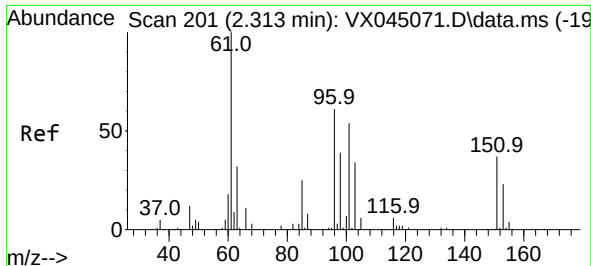
Tgt Ion:101 Resp: 40845
Ion Ratio Lower Upper
101 100
103 64.7 52.1 78.1



#8
Diethyl Ether
Concen: 16.771 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 74 Resp: 14376
Ion Ratio Lower Upper
74 100
45 111.0 51.5 154.5

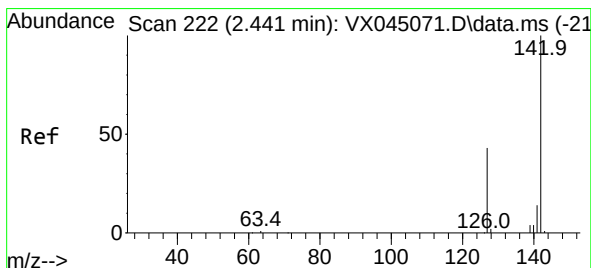
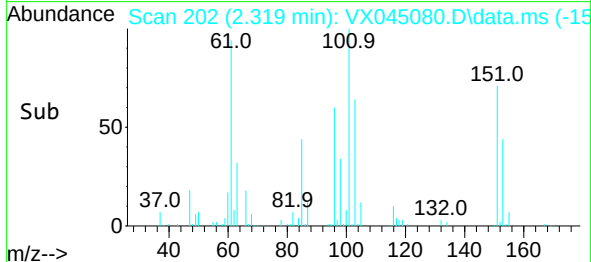
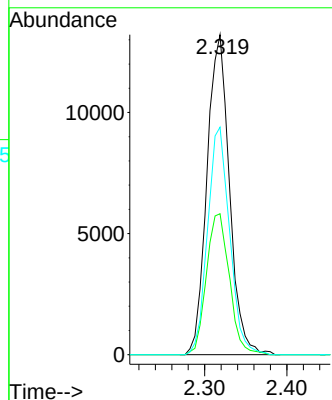
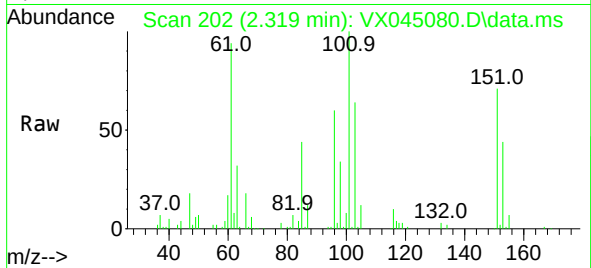




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.899 ug/l
RT: 2.319 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

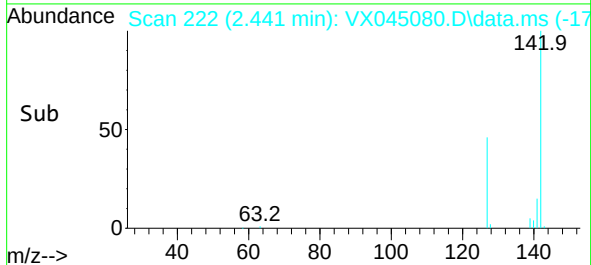
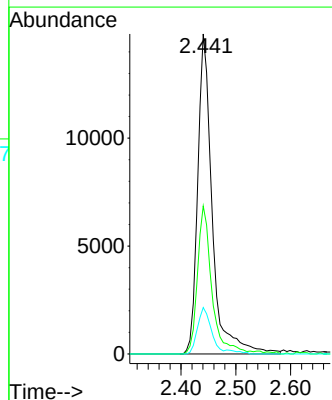
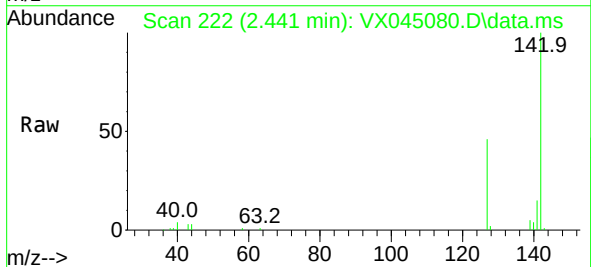
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

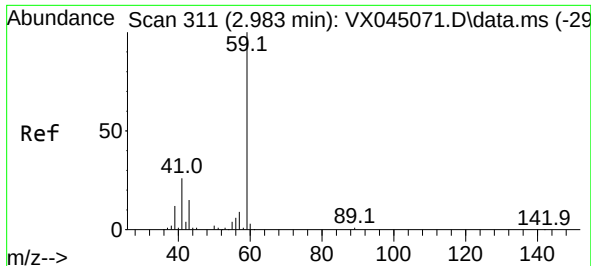
Tgt Ion:101 Resp: 25054
Ion Ratio Lower Upper
101 100
85 45.2 36.2 54.4
151 69.8 56.4 84.6



#10
Methyl Iodide
Concen: 17.472 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:142 Resp: 27491
Ion Ratio Lower Upper
142 100
127 46.4 35.4 53.2
141 14.7 11.6 17.4

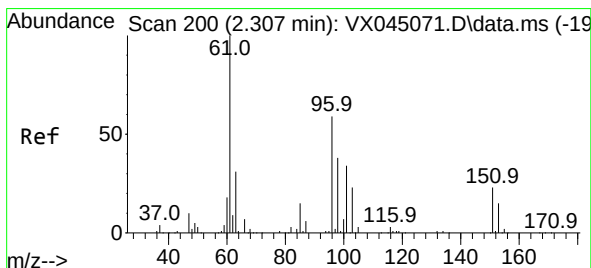
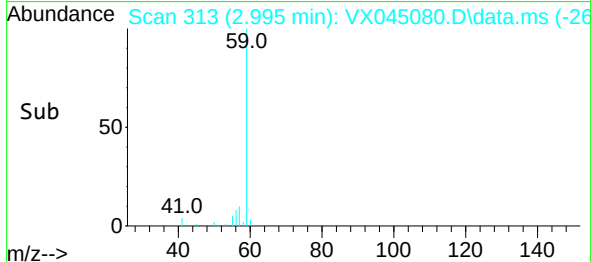
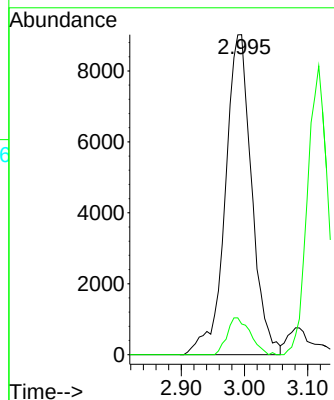
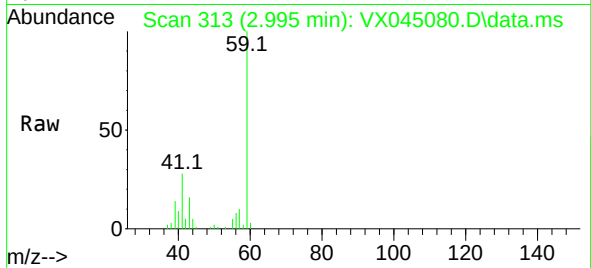




#11
Tert butyl alcohol
Concen: 80.184 ug/l
RT: 2.995 min Scan# 311
Delta R.T. 0.012 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

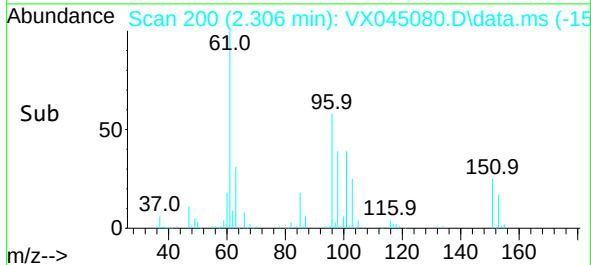
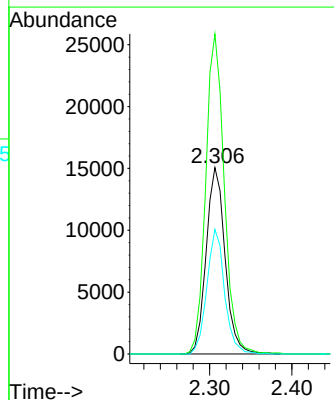
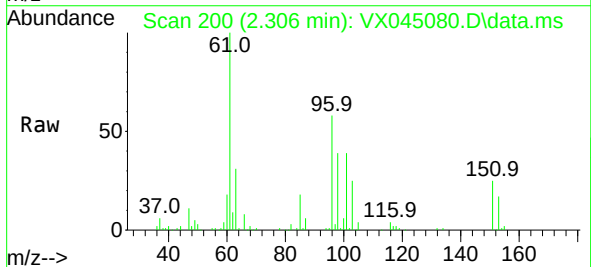
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

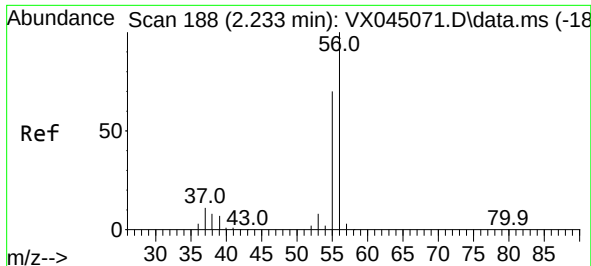
Tgt Ion: 59 Resp: 26171
Ion Ratio Lower Upper
59 100
57 10.1 7.8 11.8



#12
1,1-Dichloroethene
Concen: 18.103 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 96 Resp: 24097
Ion Ratio Lower Upper
96 100
61 171.7 134.6 202.0
98 66.8 51.0 76.6

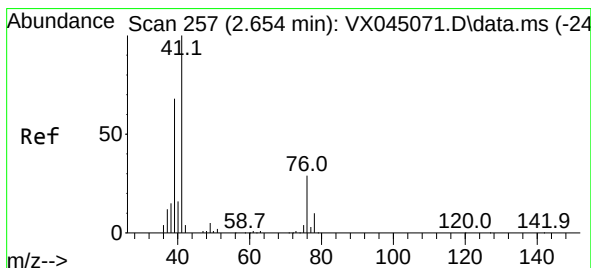
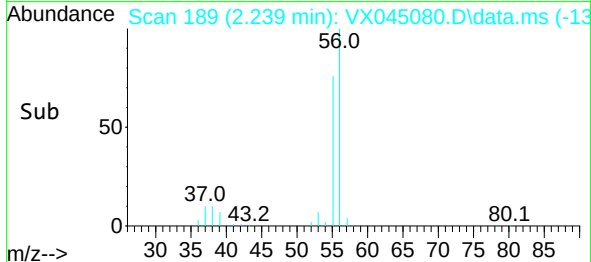
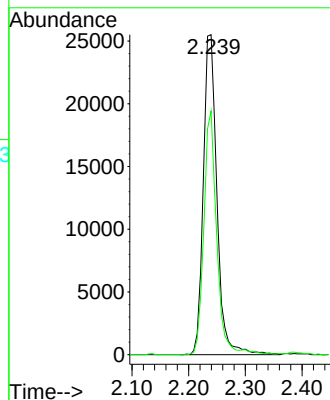
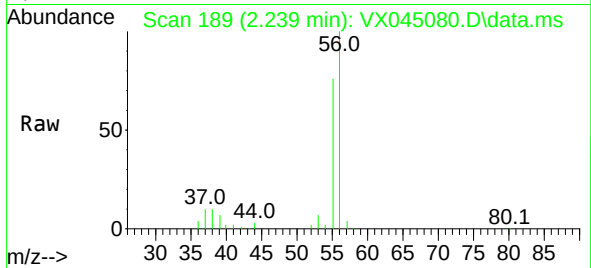




#13
Acrolein
Concen: 113.023 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

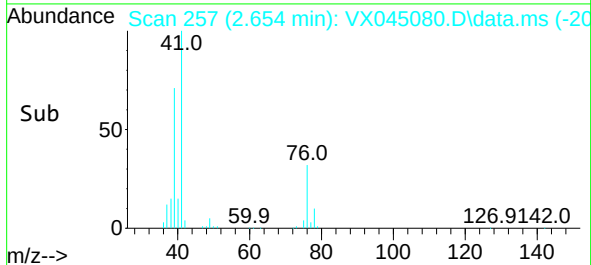
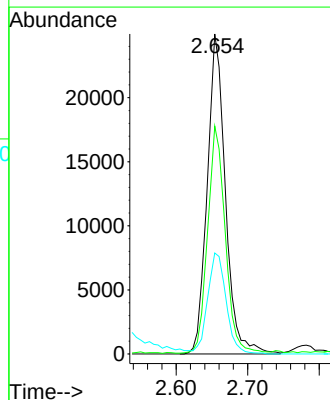
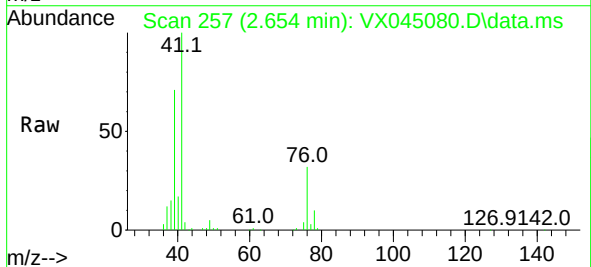
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

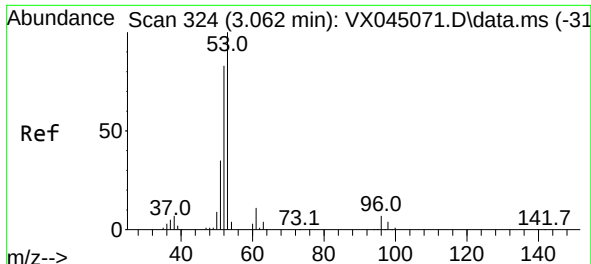
Tgt Ion: 56 Resp: 42643
Ion Ratio Lower Upper
56 100
55 72.2 56.2 84.4



#14
Allyl chloride
Concen: 18.670 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 41 Resp: 44238
Ion Ratio Lower Upper
41 100
39 68.6 53.8 80.8
76 32.0 25.2 37.8

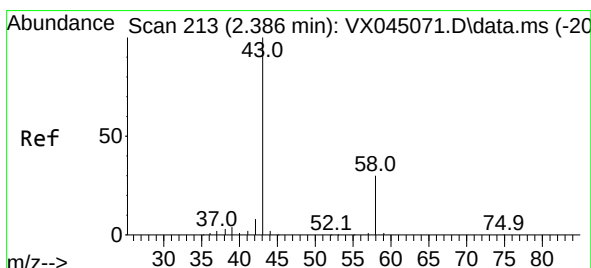
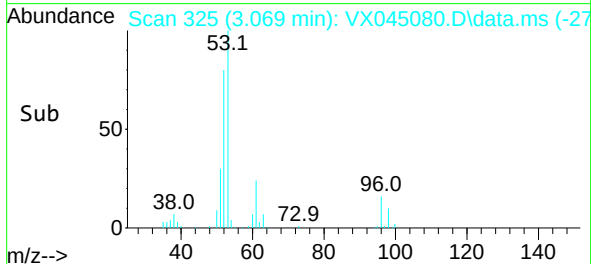
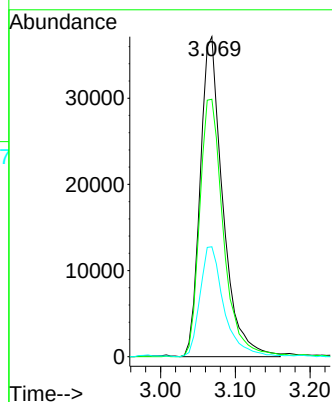
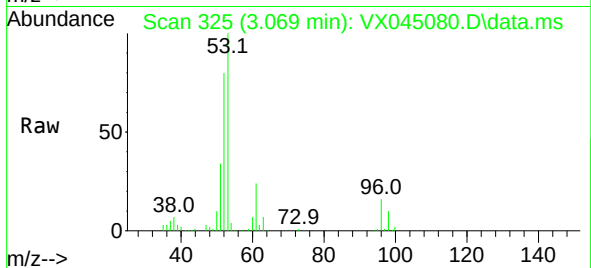




#15
Acrylonitrile
Concen: 89.193 ug/l
RT: 3.069 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

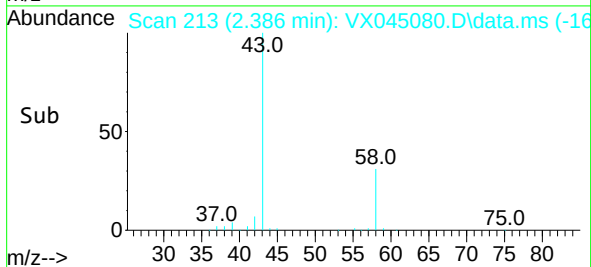
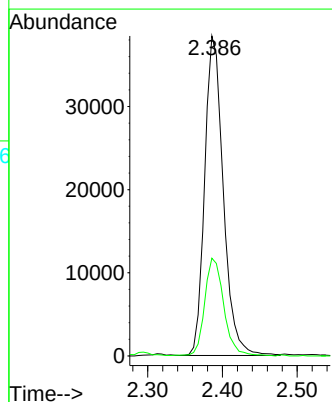
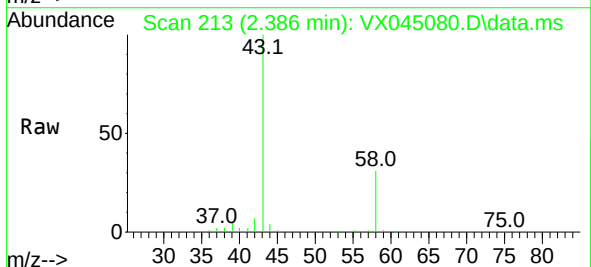
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

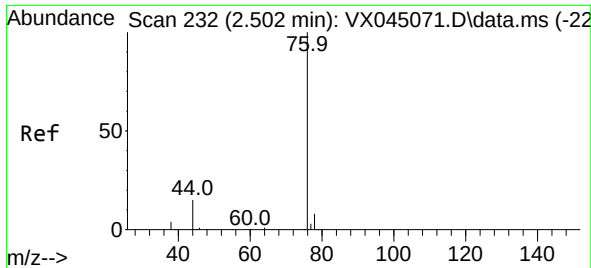
Tgt Ion: 53	Resp: 78022
Ion Ratio	Lower Upper
53 100	
52 84.5	66.2 99.2
51 36.7	29.0 43.4



#16
Acetone
Concen: 83.269 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 43	Resp: 66572
Ion Ratio	Lower Upper
43 100	
58 30.4	24.2 36.4

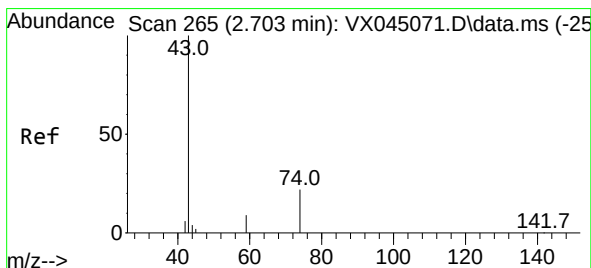
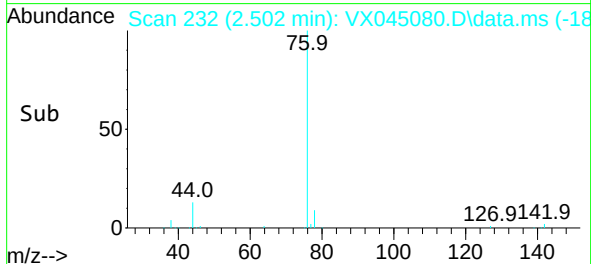
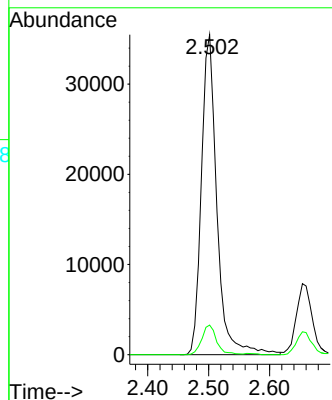
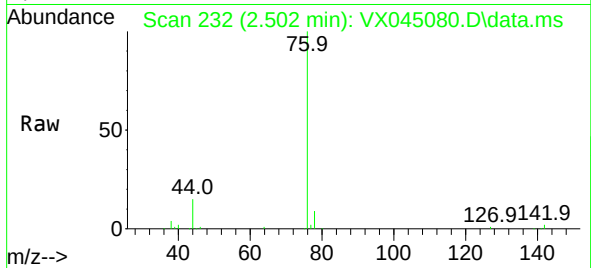




#17
Carbon Disulfide
Concen: 17.691 ug/l
RT: 2.502 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

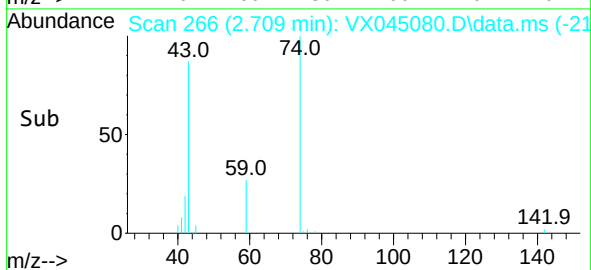
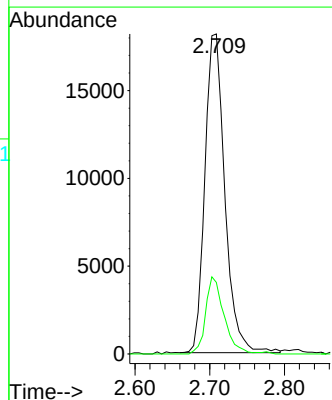
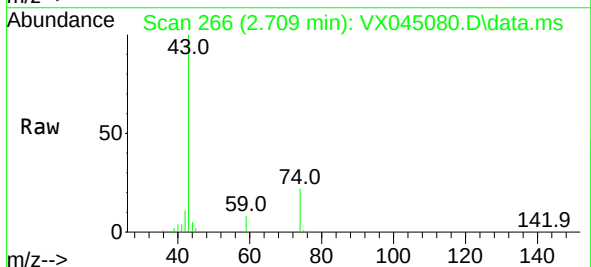
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

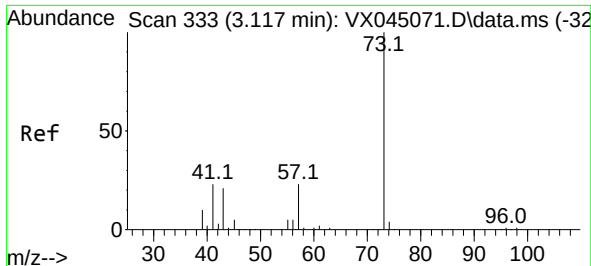
Tgt Ion: 76 Resp: 62721
Ion Ratio Lower Upper
76 100
78 9.3 6.6 9.8



#18
Methyl Acetate
Concen: 17.501 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 43 Resp: 33660
Ion Ratio Lower Upper
43 100
74 22.2 17.4 26.2

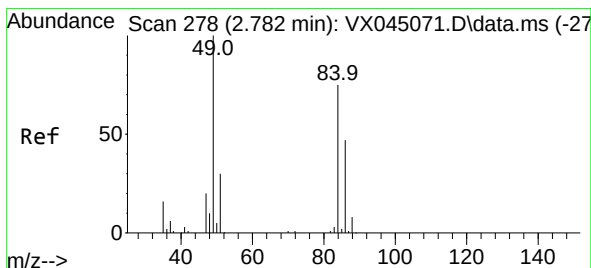
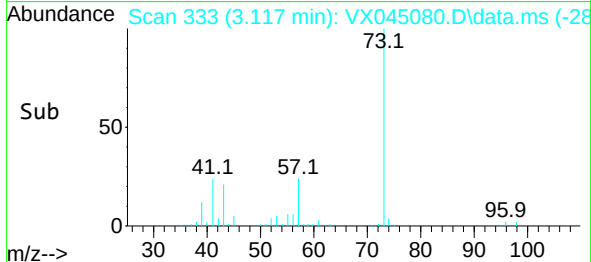
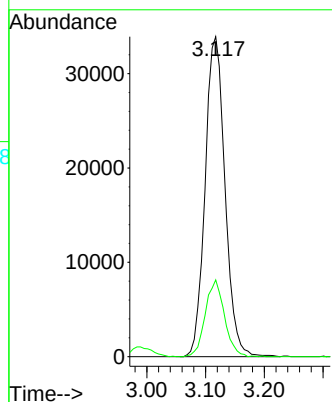
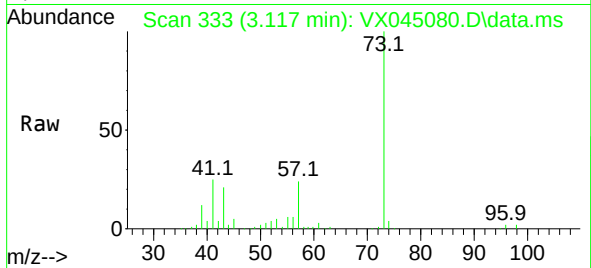




#19
Methyl tert-butyl Ether
Concen: 17.859 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

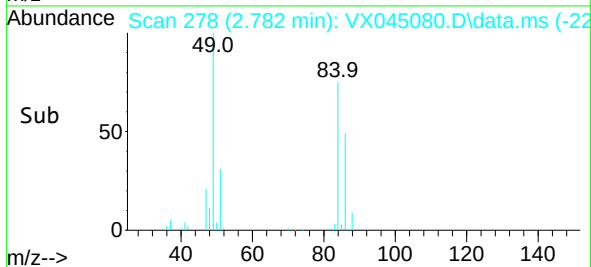
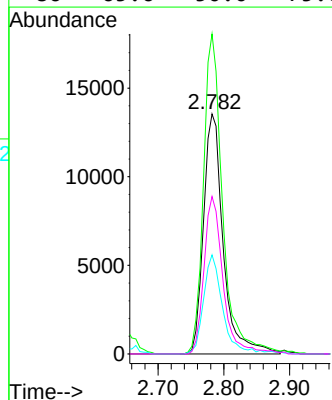
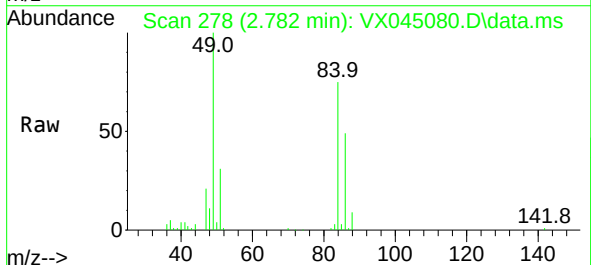
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

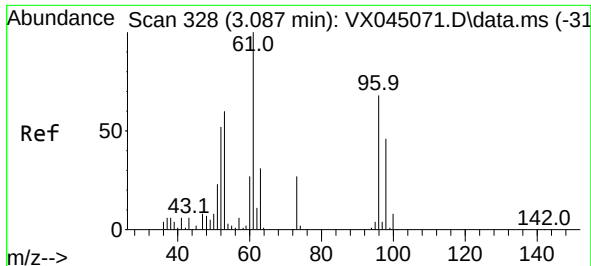
Tgt Ion: 73 Resp: 79756
Ion Ratio Lower Upper
73 100
57 24.0 18.5 27.7



#20
Methylene Chloride
Concen: 17.853 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 84 Resp: 28274
Ion Ratio Lower Upper
84 100
49 133.4 106.5 159.7
51 41.3 32.1 48.1
86 65.6 50.0 75.0

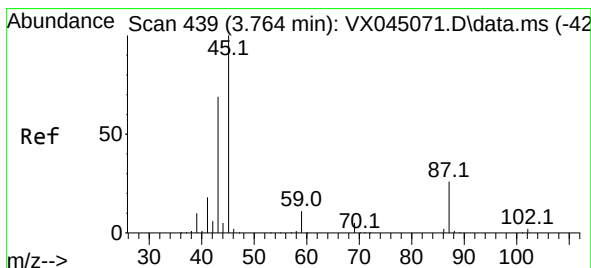
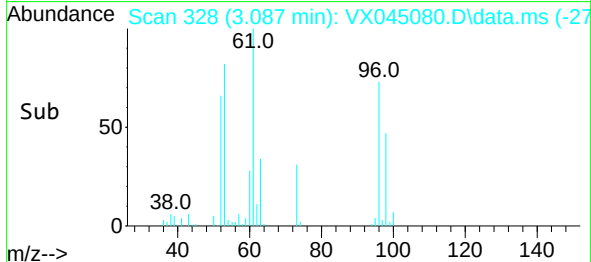
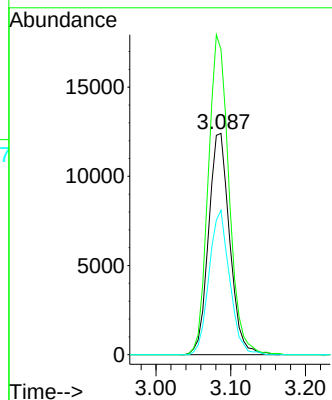
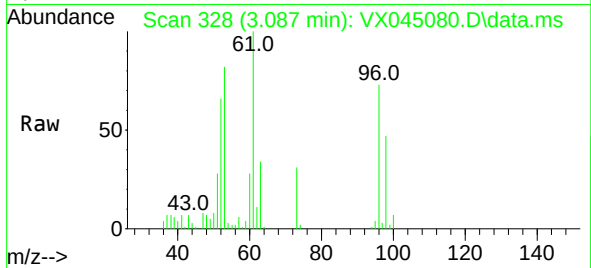




#21
trans-1,2-Dichloroethene
Concen: 18.556 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

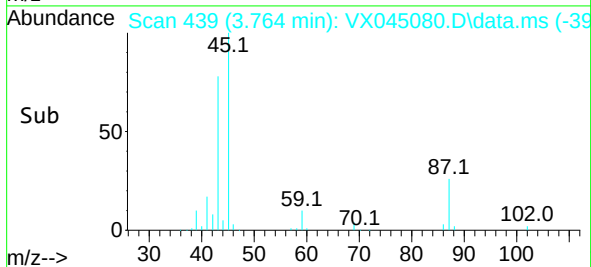
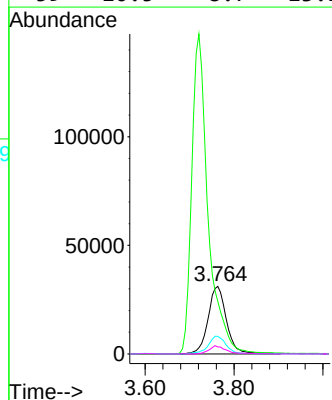
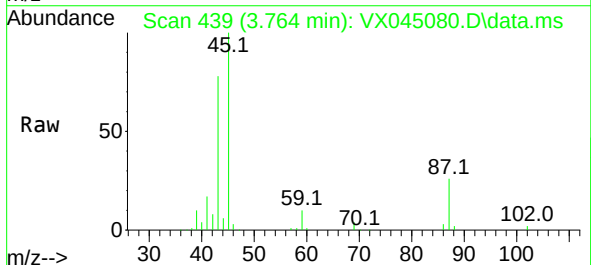
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

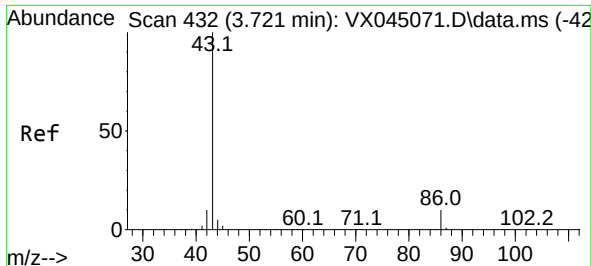
Tgt Ion: 96 Resp: 24403
Ion Ratio Lower Upper
96 100
61 137.9 117.0 175.4
98 65.2 53.4 80.2



#22
Diisopropyl ether
Concen: 18.596 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 45 Resp: 89611
Ion Ratio Lower Upper
45 100
43 76.4 54.9 82.3
87 26.0 21.0 31.4
59 10.5 8.7 13.1

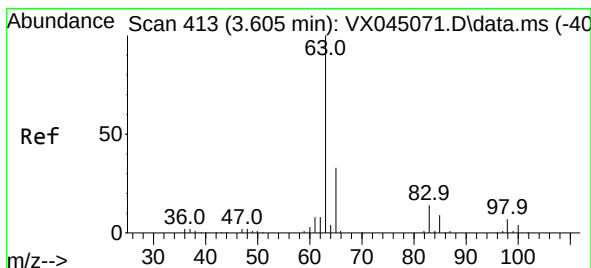
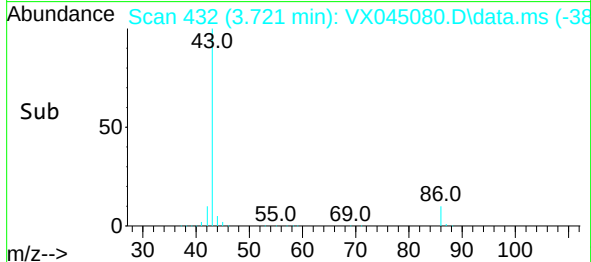
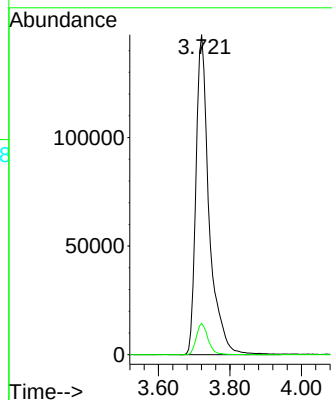
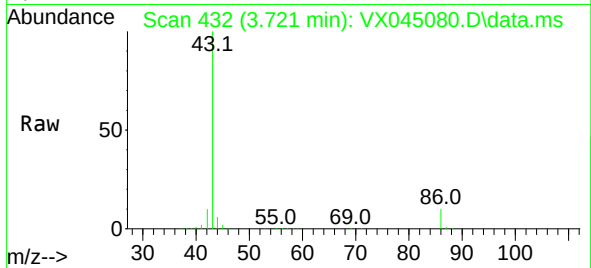




#23
 Vinyl Acetate
 Concen: 93.881 ug/l
 RT: 3.721 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX045080.D
 Acq: 28 Feb 2025 11:46

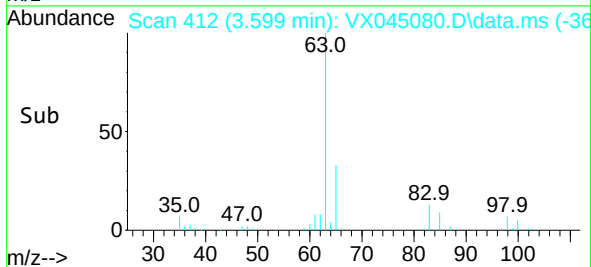
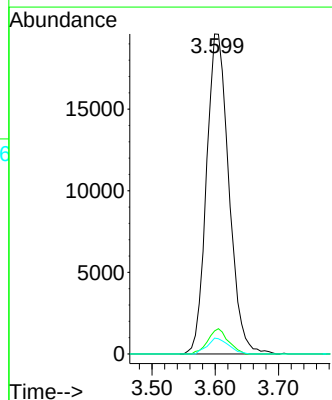
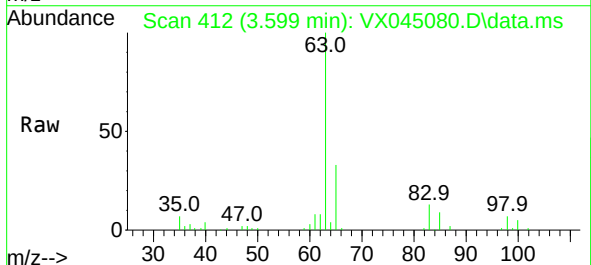
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBS01

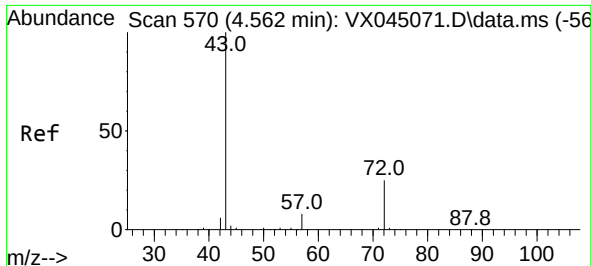
Tgt Ion: 43 Resp: 377536
 Ion Ratio Lower Upper
 43 100
 86 9.8 8.1 12.1



#24
 1,1-Dichloroethane
 Concen: 17.874 ug/l
 RT: 3.599 min Scan# 412
 Delta R.T. -0.006 min
 Lab File: VX045080.D
 Acq: 28 Feb 2025 11:46

Tgt Ion: 63 Resp: 48272
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.4 10.2
 100 4.9 2.1 6.5

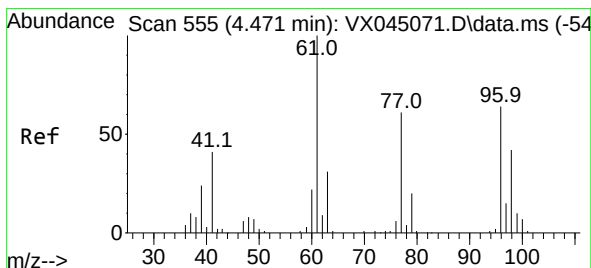
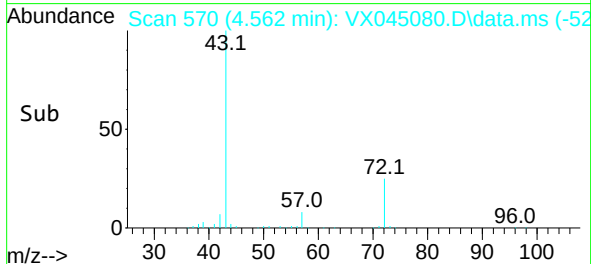
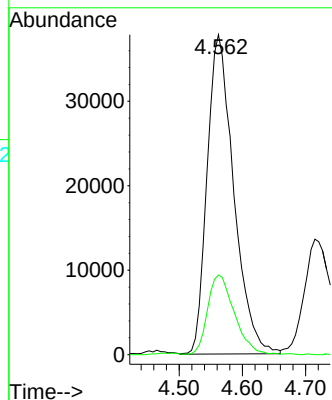
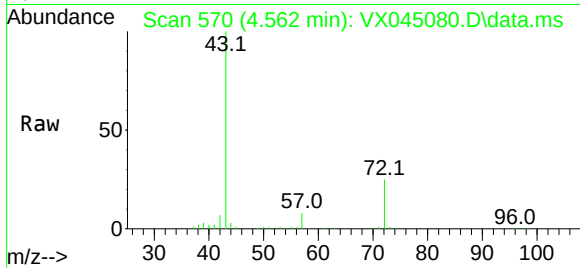




#25
2-Butanone
Concen: 91.613 ug/l
RT: 4.562 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

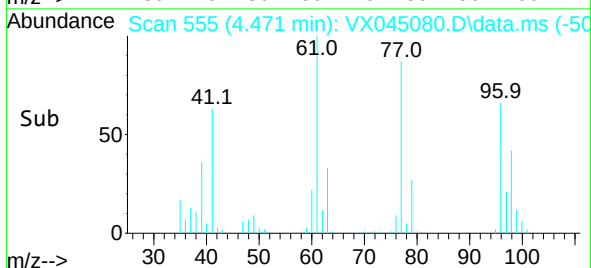
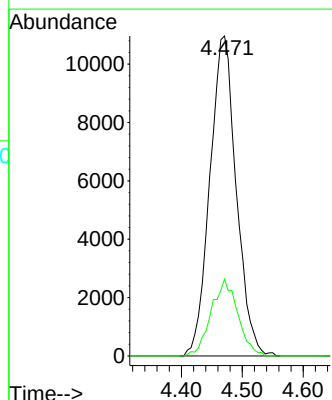
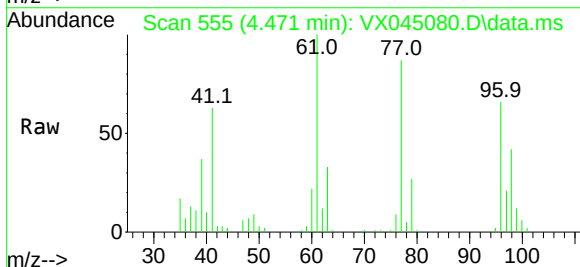
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

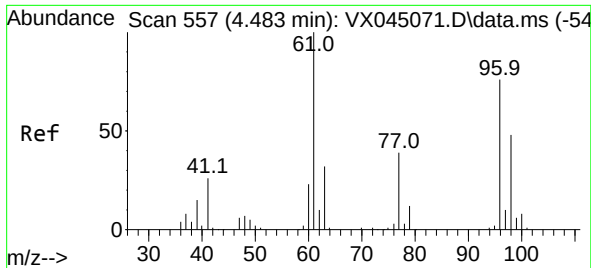
Tgt Ion: 43 Resp: 110248
Ion Ratio Lower Upper
43 100
72 24.8 20.0 30.0



#26
2,2-Dichloropropane
Concen: 26.092 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 77 Resp: 33053
Ion Ratio Lower Upper
77 100
97 24.2 12.4 37.0

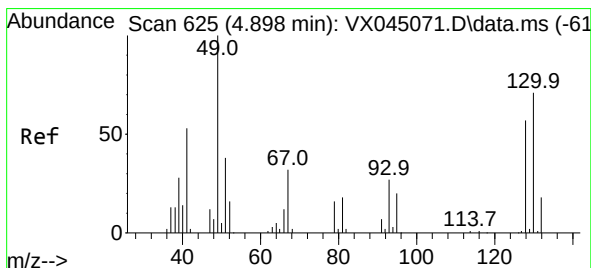
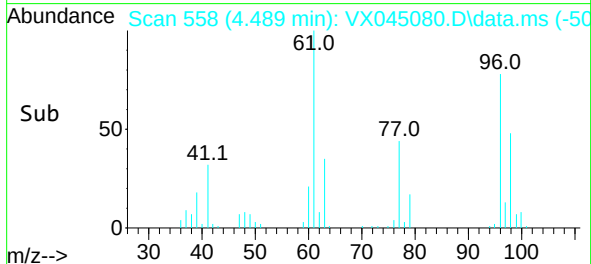
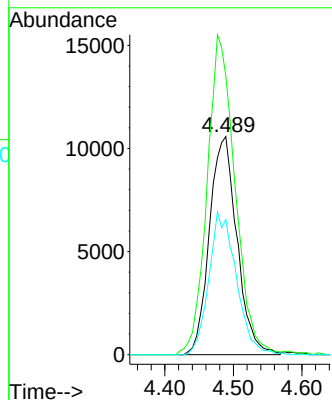
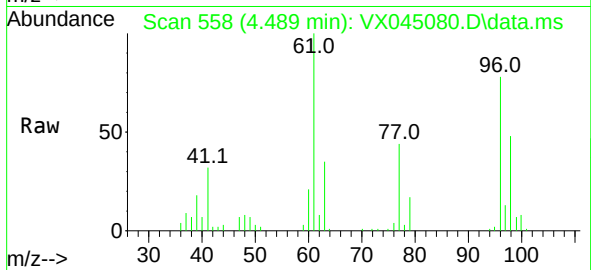




#27
 cis-1,2-Dichloroethene
 Concen: 18.196 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VX045080.D
 Acq: 28 Feb 2025 11:46

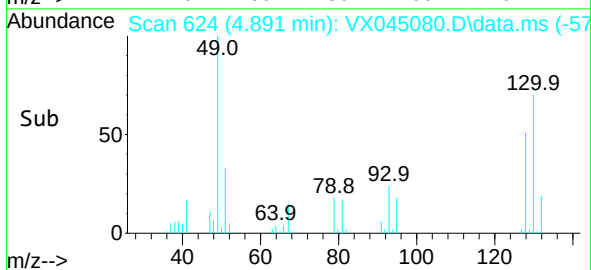
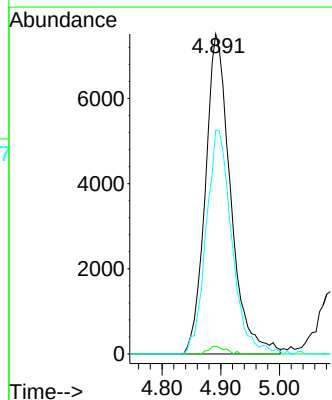
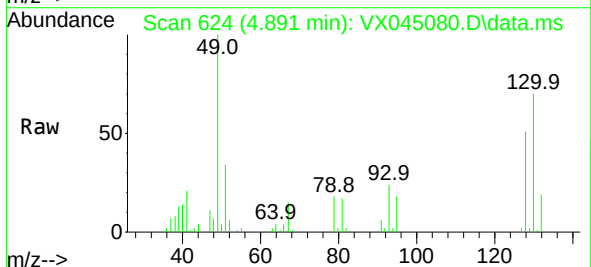
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBS01

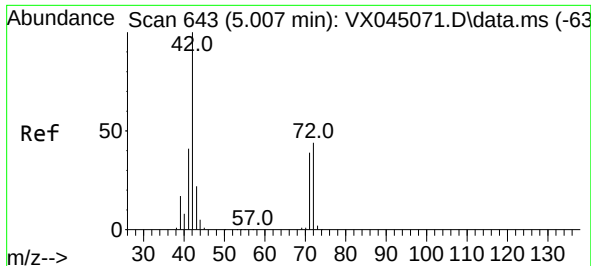
Tgt Ion:	96	Resp:	29539
Ion	Ratio	Lower	Upper
96	100		
61	148.3	0.0	283.2
98	65.1	0.0	128.0



#28
 Bromochloromethane
 Concen: 17.404 ug/l
 RT: 4.891 min Scan# 624
 Delta R.T. -0.006 min
 Lab File: VX045080.D
 Acq: 28 Feb 2025 11:46

Tgt Ion:	49	Resp:	22404
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.4
130	71.5	56.1	84.1





#29

Tetrahydrofuran

Concen: 88.264 ug/l

RT: 5.007 min Scan# 643

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

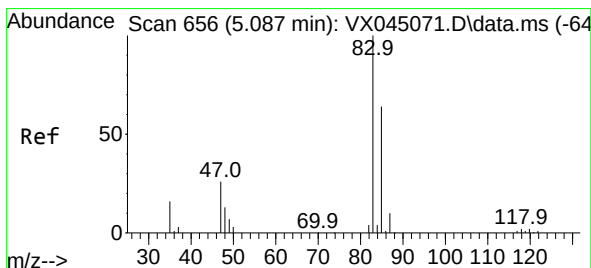
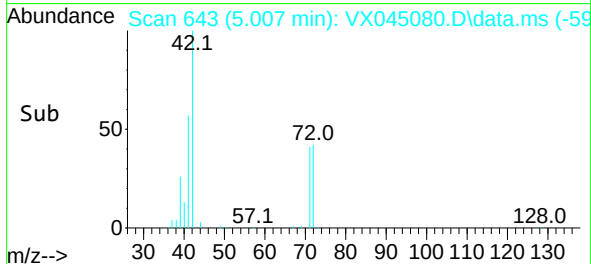
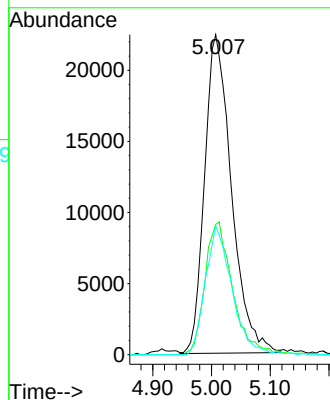
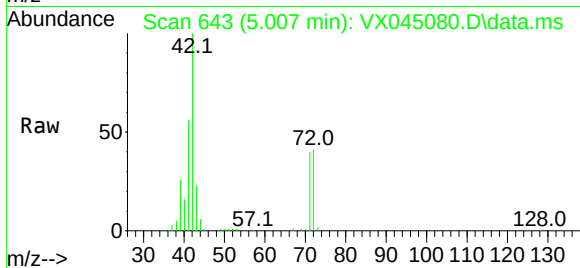
Tgt Ion: 42 Resp: 71331

Ion Ratio Lower Upper

42 100

72 43.1 34.1 51.1

71 39.9 31.4 47.0



#30

Chloroform

Concen: 18.082 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.000 min

Lab File: VX045080.D

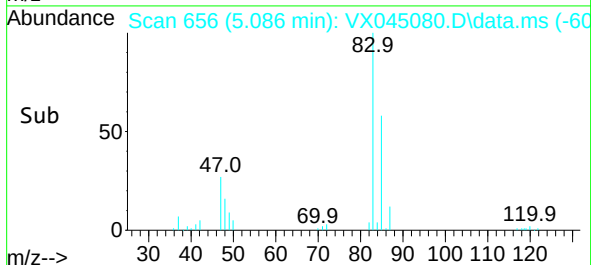
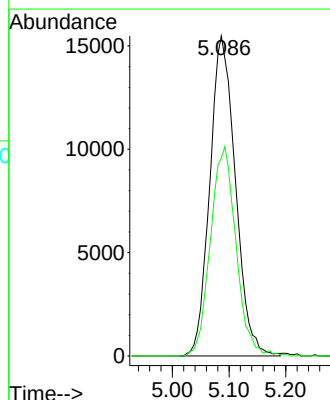
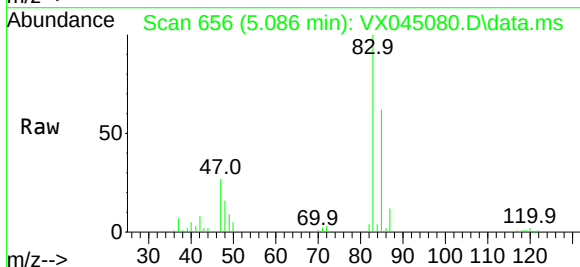
Acq: 28 Feb 2025 11:46

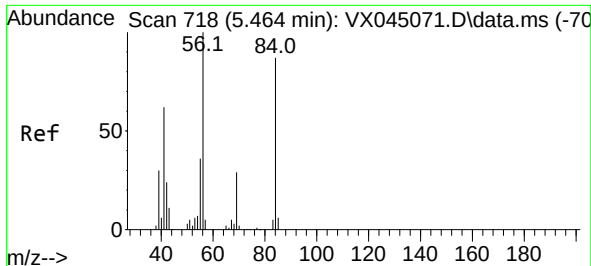
Tgt Ion: 83 Resp: 48521

Ion Ratio Lower Upper

83 100

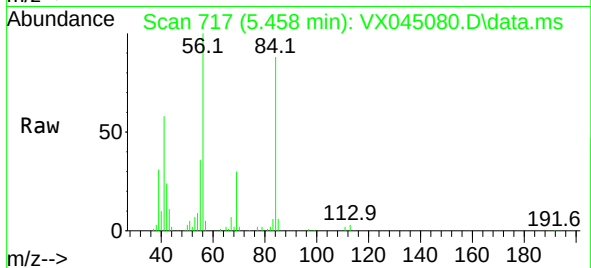
85 61.9 51.4 77.2



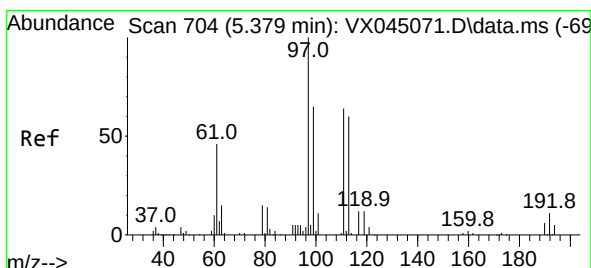
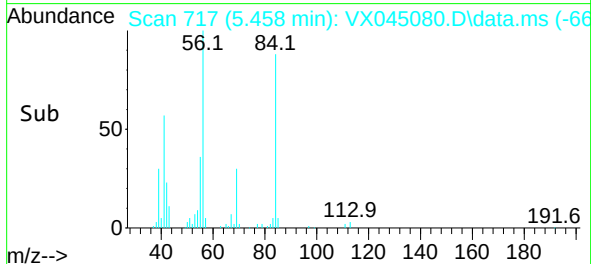
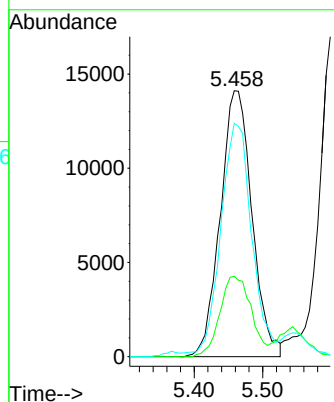


#31
Cyclohexane
Concen: 19.324 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

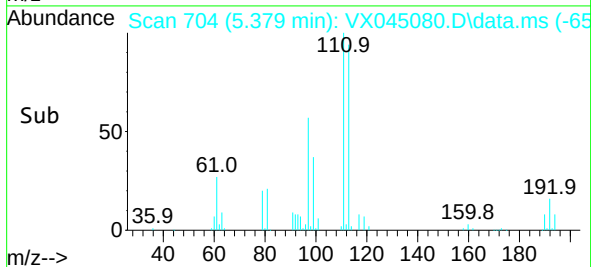
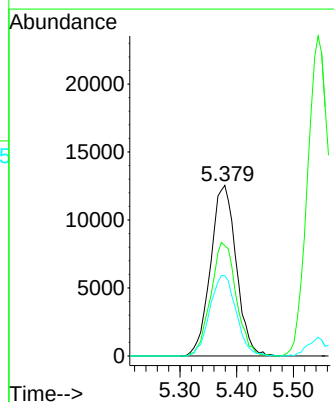
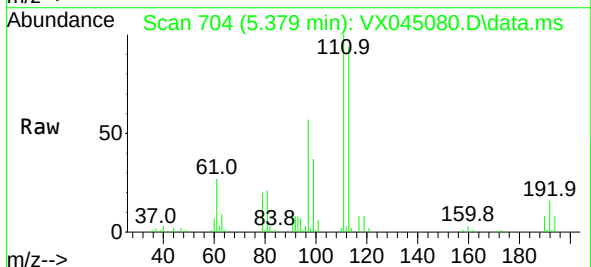


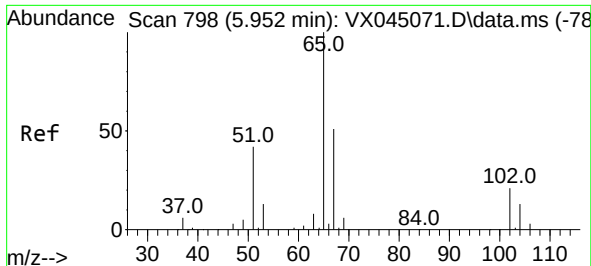
Tgt Ion: 56 Resp: 45303
Ion Ratio Lower Upper
56 100
69 30.2 23.4 35.2
84 86.4 69.4 104.2



#32
1,1,1-Trichloroethane
Concen: 18.150 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 97 Resp: 39336
Ion Ratio Lower Upper
97 100
99 65.9 51.6 77.4
61 48.4 38.4 57.6





#33

1,2-Dichloroethane-d4

Concen: 46.938 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

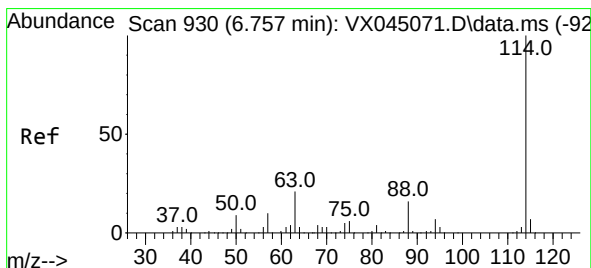
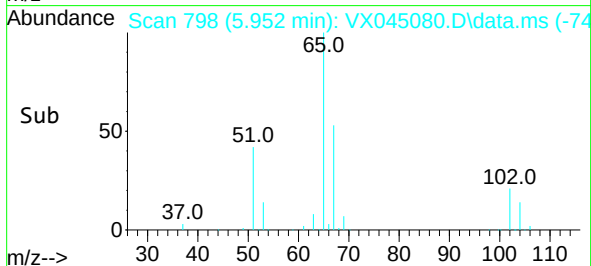
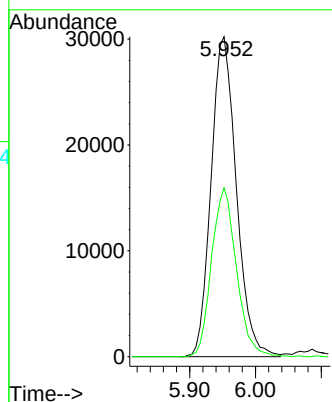
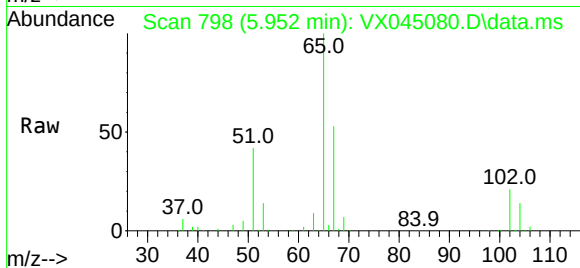
VX0228WBS01

Tgt Ion: 65 Resp: 80881

Ion Ratio Lower Upper

65 100

67 51.8 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: VX045080.D

Acq: 28 Feb 2025 11:46

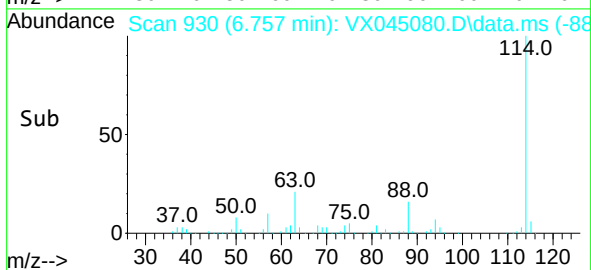
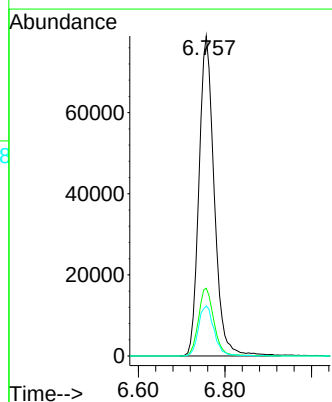
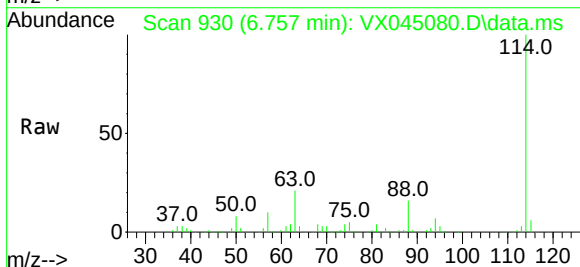
Tgt Ion: 114 Resp: 192724

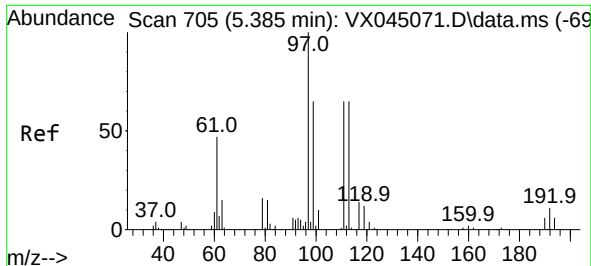
Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.8

88 15.6 0.0 32.8

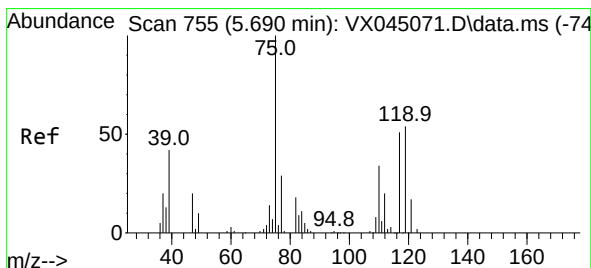
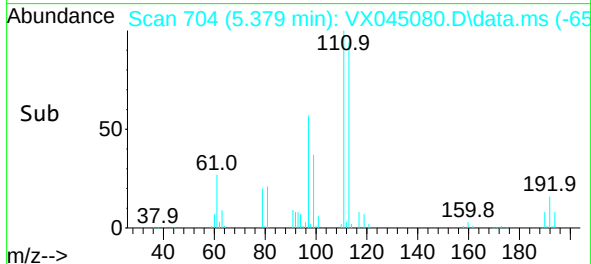
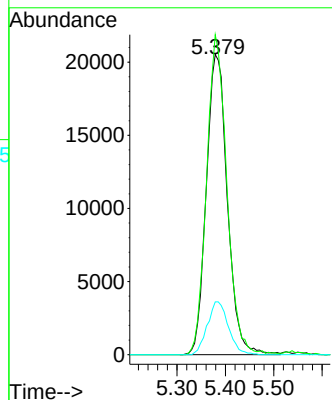
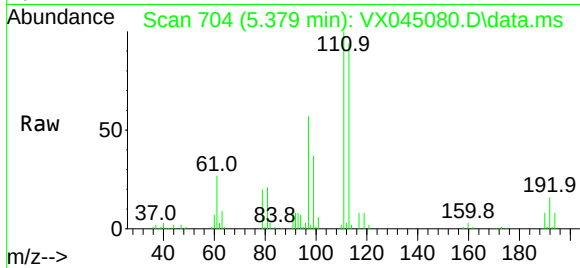




#35
Dibromofluoromethane
Concen: 48.207 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

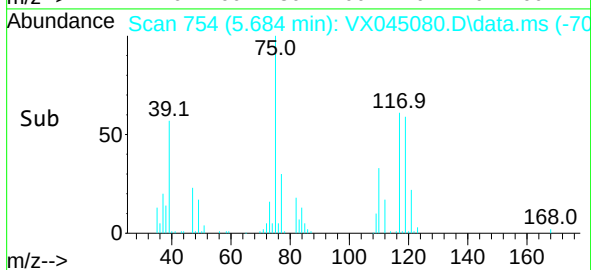
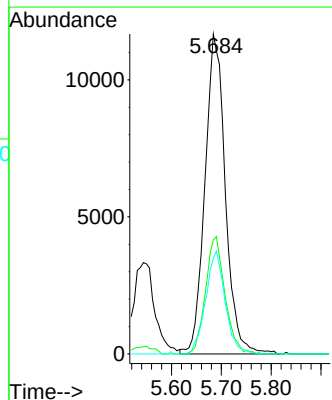
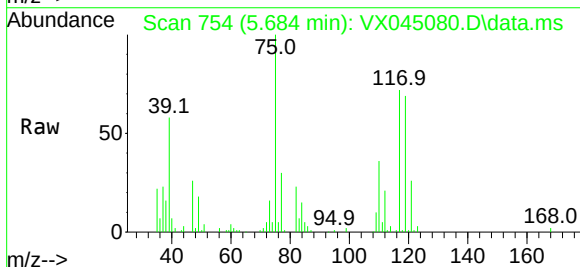
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

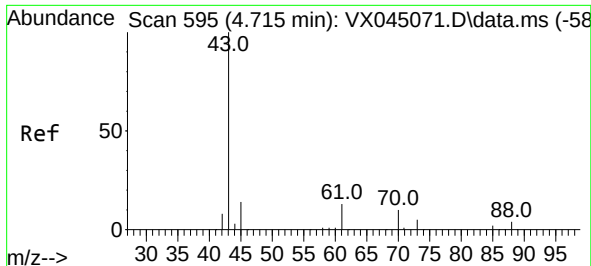
Tgt Ion:113 Resp: 62124
Ion Ratio Lower Upper
113 100
111 103.0 81.8 122.6
192 17.6 14.3 21.5



#36
1,1-Dichloropropene
Concen: 18.803 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 75 Resp: 33230
Ion Ratio Lower Upper
75 100
110 34.9 16.9 50.6
77 30.6 24.5 36.7

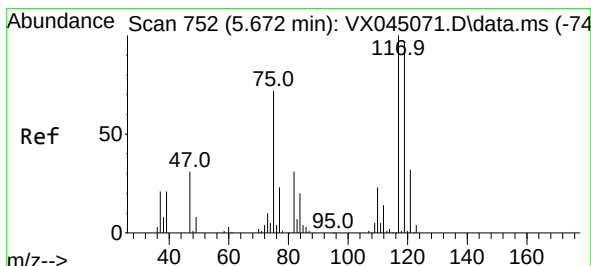
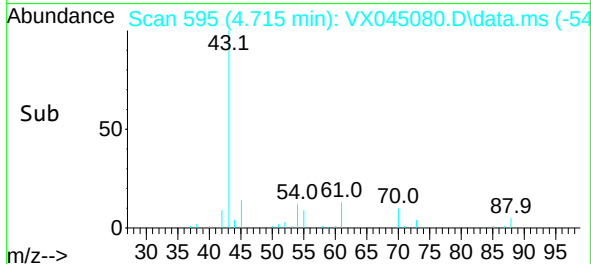
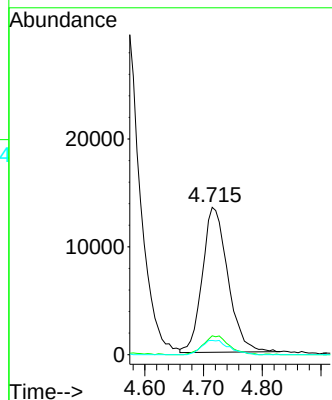
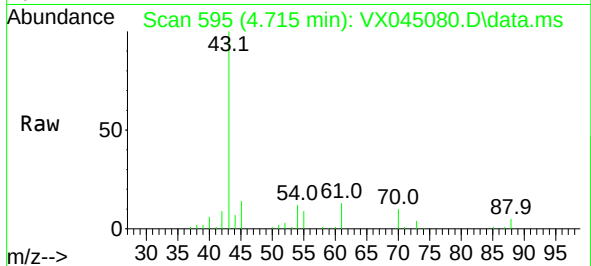




#37
Ethyl Acetate
Concen: 17.811 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

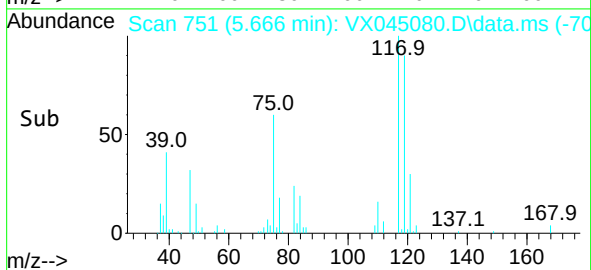
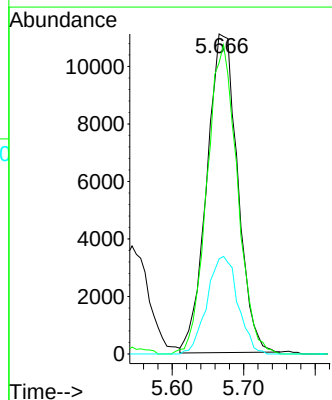
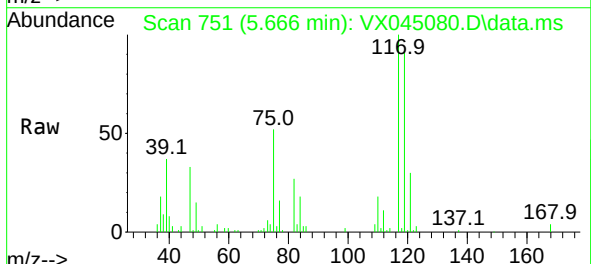
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

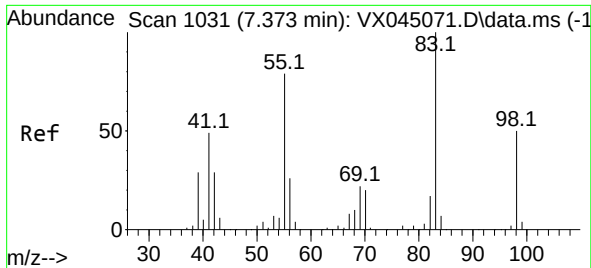
Tgt Ion:	43	Resp:	40562
Ion Ratio	Lower	Upper	
43	100		
61	13.1	10.8	16.2
70	10.6	7.7	11.5



#38
Carbon Tetrachloride
Concen: 18.548 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:	117	Resp:	33280
Ion Ratio	Lower	Upper	
117	100		
119	91.5	76.7	115.1
121	29.9	25.5	38.3

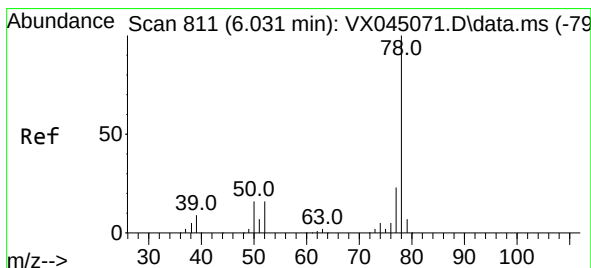
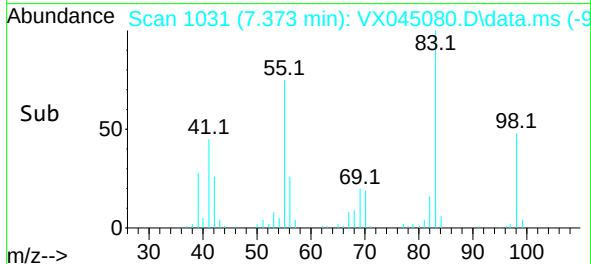
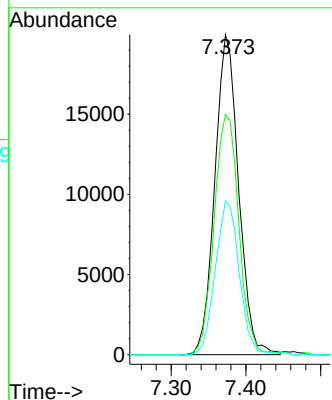
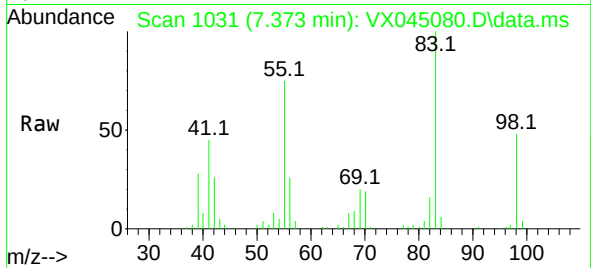




#39
Methylcyclohexane
Concen: 20.816 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

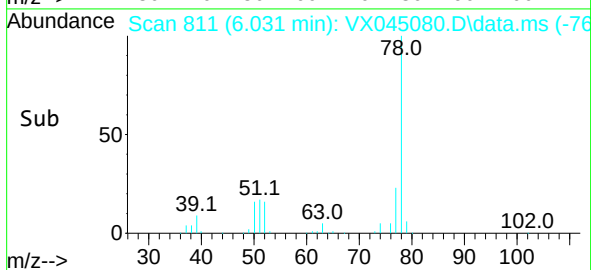
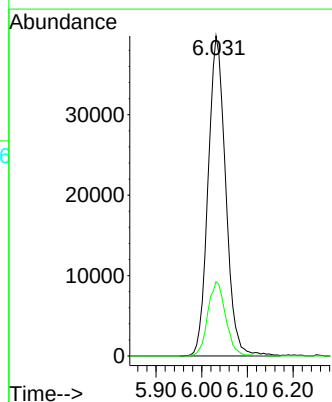
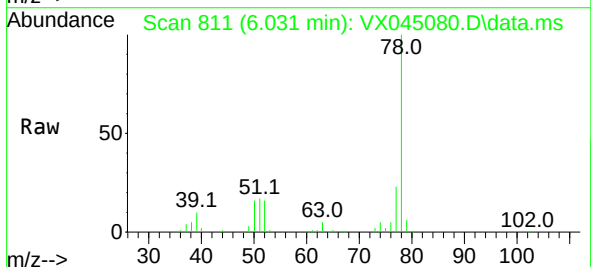
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

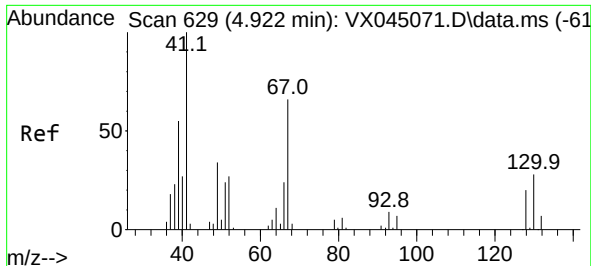
Tgt Ion: 83	Resp: 44081
Ion Ratio	Lower Upper
83 100	
55 75.1	63.0 94.4
98 48.1	39.7 59.5



#40
Benzene
Concen: 19.035 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 78	Resp: 106228
Ion Ratio	Lower Upper
78 100	
77 23.2	18.8 28.2

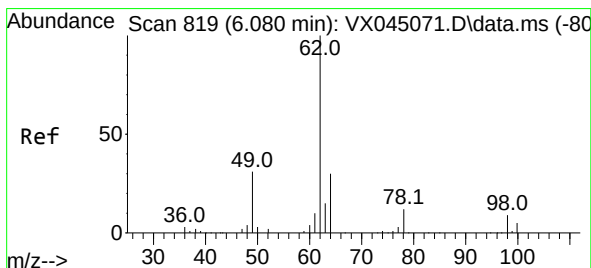
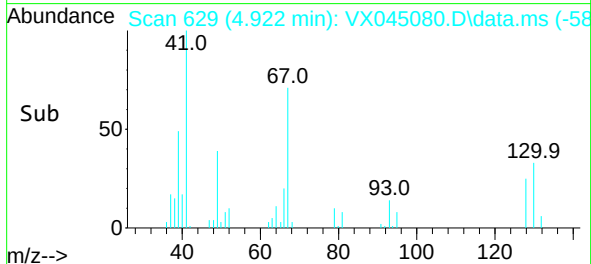
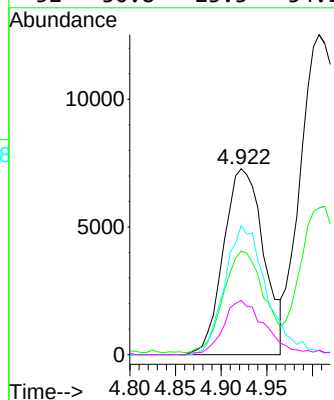
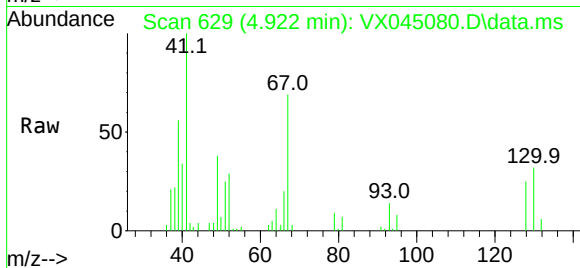




#41
Methacrylonitrile
Concen: 18.159 ug/l
RT: 4.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

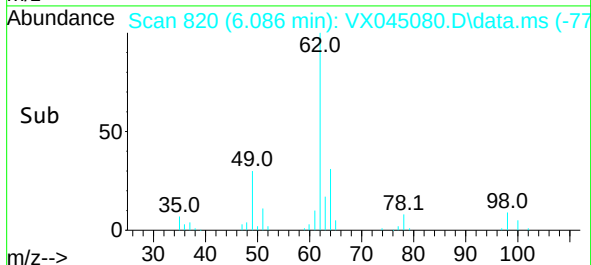
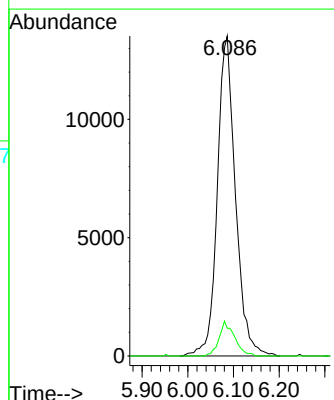
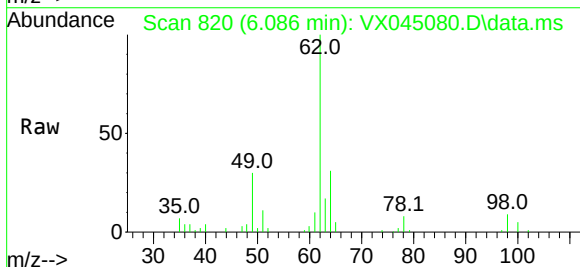
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

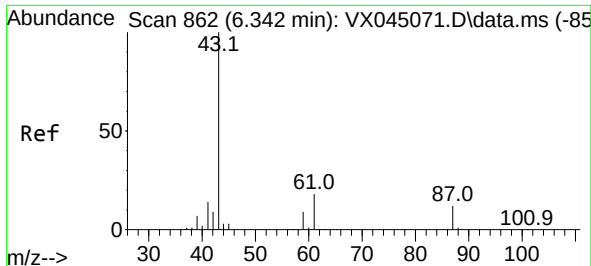
Tgt Ion:	41	Resp:	22360
Ion	Ratio	Lower	Upper
41	100		
39	55.2	44.6	67.0
67	71.9	53.9	80.9
52	30.8	23.3	34.9



#42
1,2-Dichloroethane
Concen: 18.559 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:	62	Resp:	37297
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2

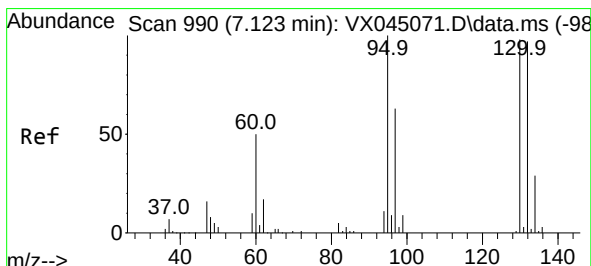
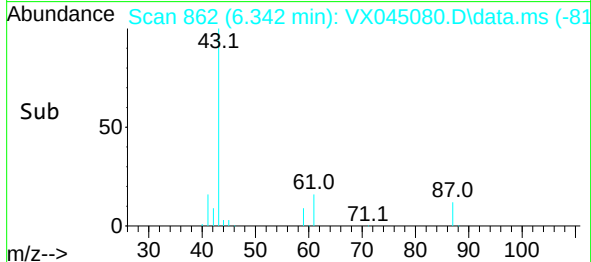
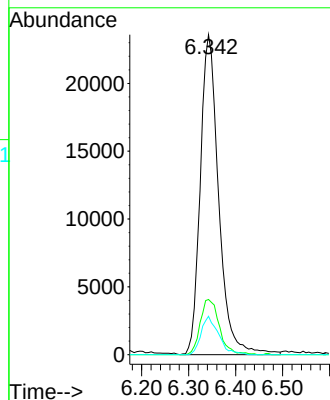
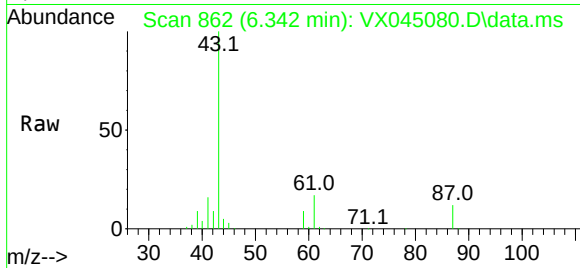




#43
Isopropyl Acetate
Concen: 19.076 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

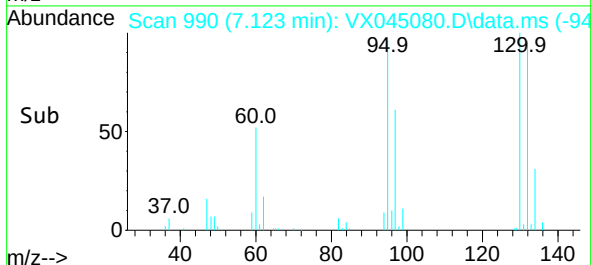
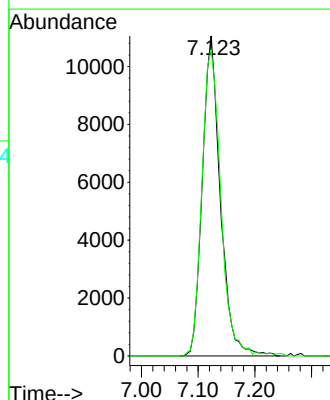
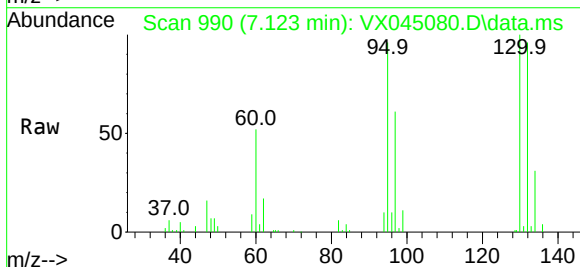
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

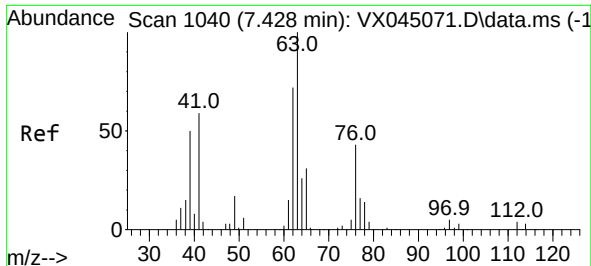
Tgt Ion: 43 Resp: 64239
Ion Ratio Lower Upper
43 100
61 17.9 14.9 22.3
87 11.4 9.4 14.2



#44
Trichloroethene
Concen: 18.612 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:130 Resp: 24390
Ion Ratio Lower Upper
130 100
95 95.6 0.0 205.0





#45

1,2-Dichloropropane

Concen: 18.614 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

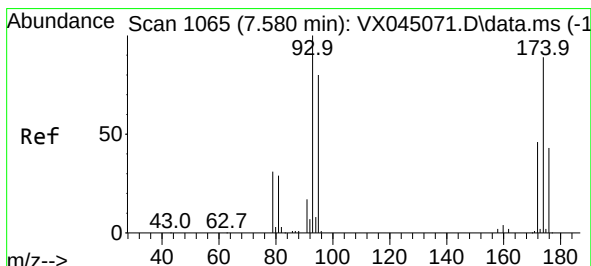
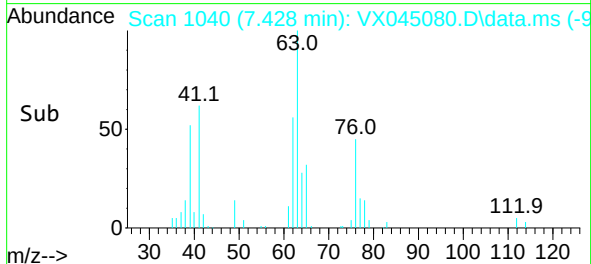
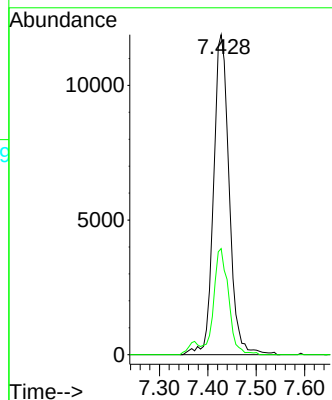
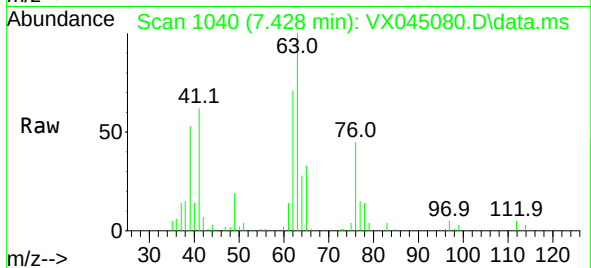
VX0228WBS01

Tgt Ion: 63 Resp: 26709

Ion Ratio Lower Upper

63 100

65 33.2 24.7 37.1



#46

Dibromomethane

Concen: 18.949 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

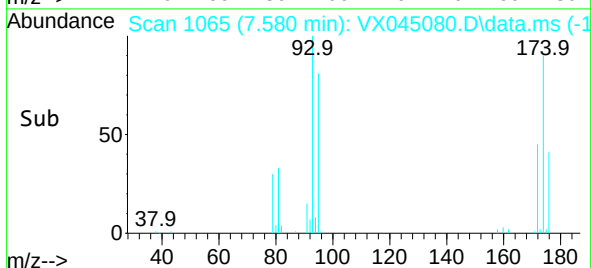
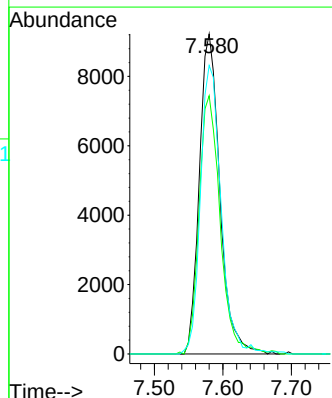
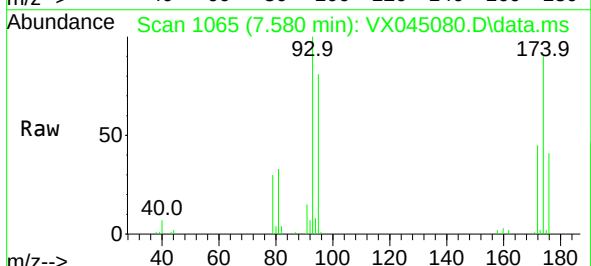
Tgt Ion: 93 Resp: 19218

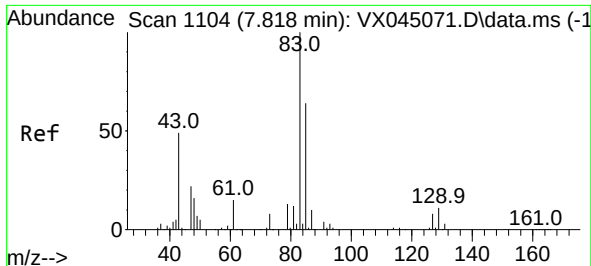
Ion Ratio Lower Upper

93 100

95 83.0 65.8 98.8

174 91.1 72.2 108.2

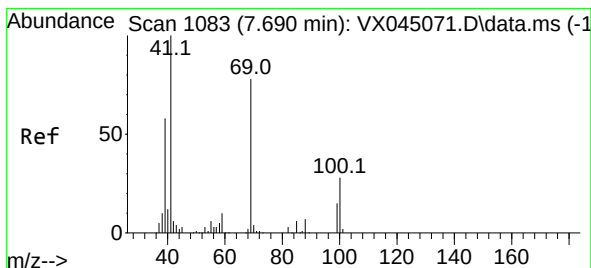
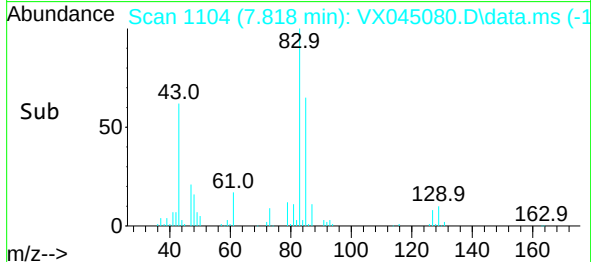
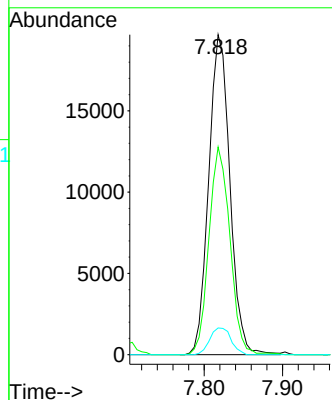
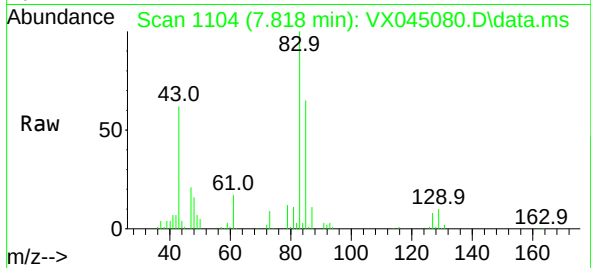




#47
Bromodichloromethane
Concen: 18.624 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

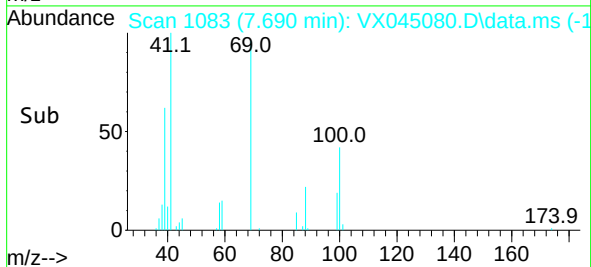
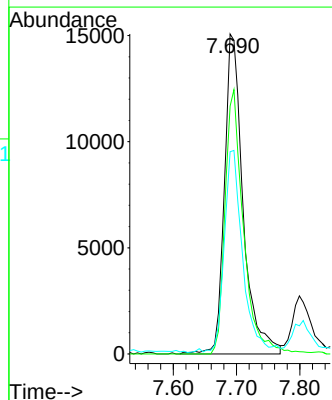
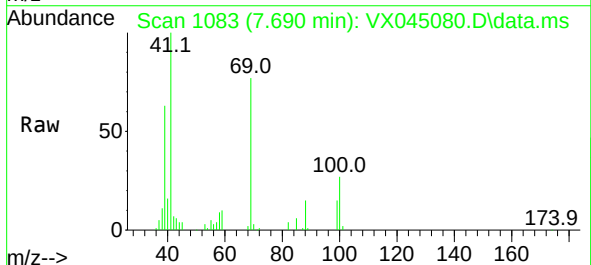
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

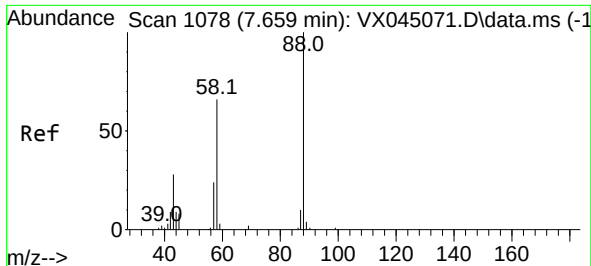
Tgt Ion: 83 Resp: 37048
Ion Ratio Lower Upper
83 100
85 64.9 51.1 76.7
127 8.4 6.4 9.6



#48
Methyl methacrylate
Concen: 18.322 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 41 Resp: 30953
Ion Ratio Lower Upper
41 100
69 81.4 63.0 94.6
39 61.0 47.5 71.3





#49

1,4-Dioxane

Concen: 369.225 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

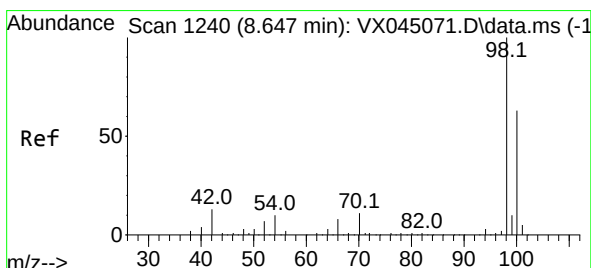
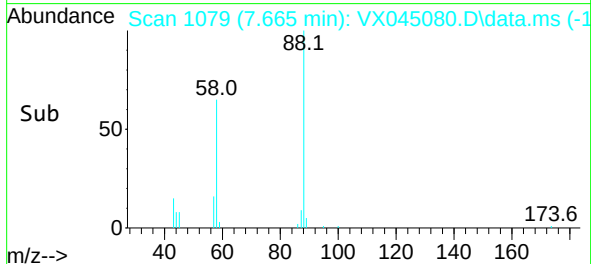
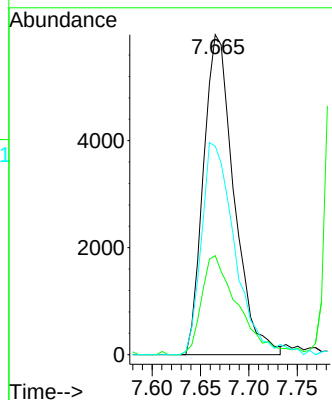
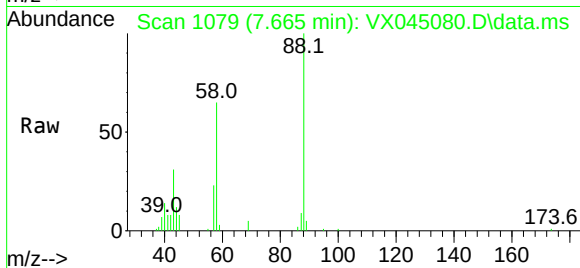
Tgt Ion: 88 Resp: 13158

Ion Ratio Lower Upper

88 100

43 37.1 28.7 43.1

58 72.5 55.8 83.8



#50

Toluene-d8

Concen: 50.059 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045080.D

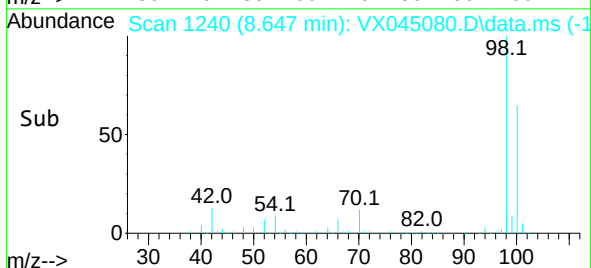
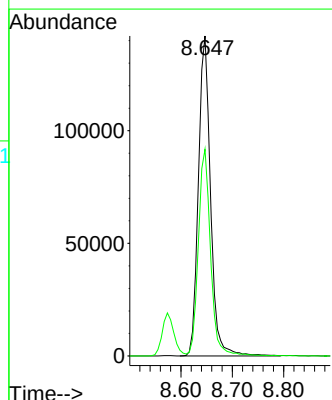
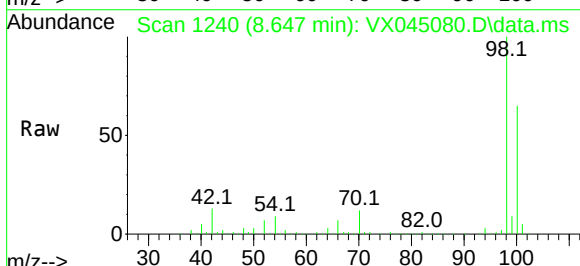
Acq: 28 Feb 2025 11:46

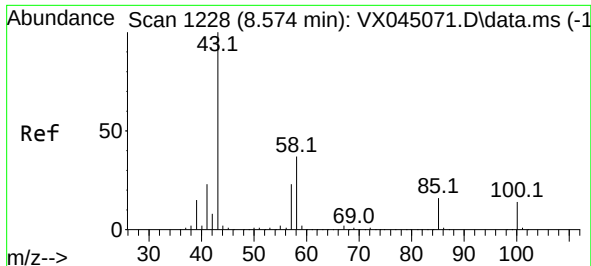
Tgt Ion: 98 Resp: 233874

Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0

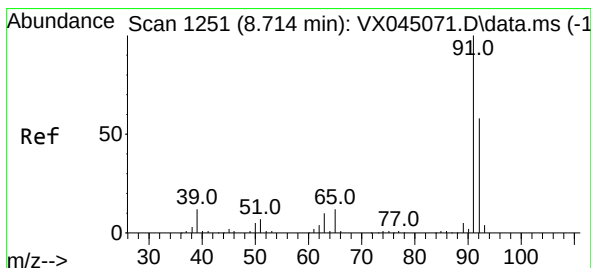
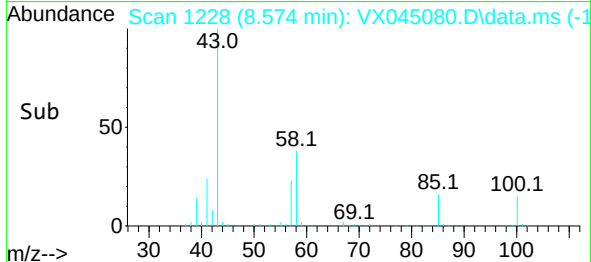
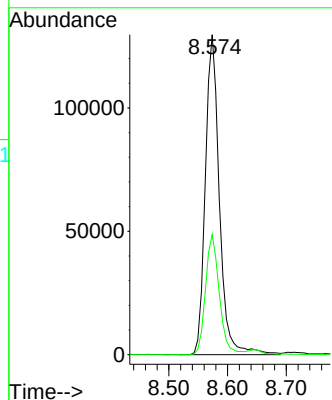
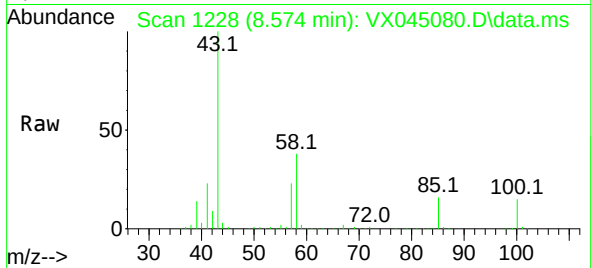




#51
4-Methyl-2-Pentanone
Concen: 95.598 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

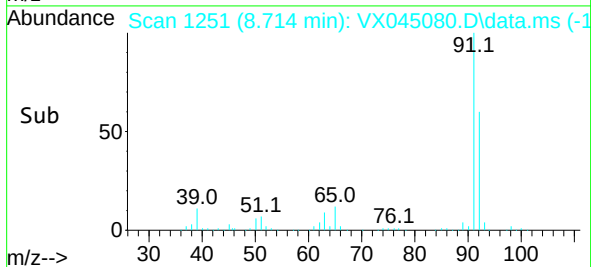
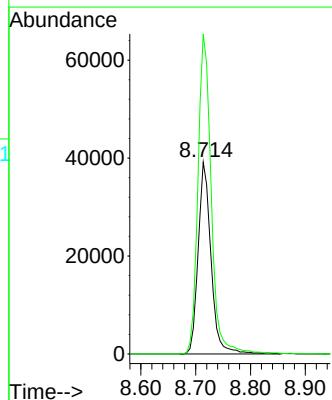
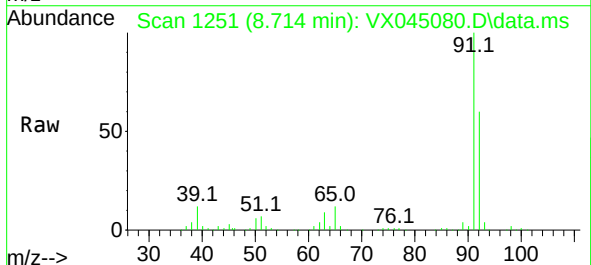
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

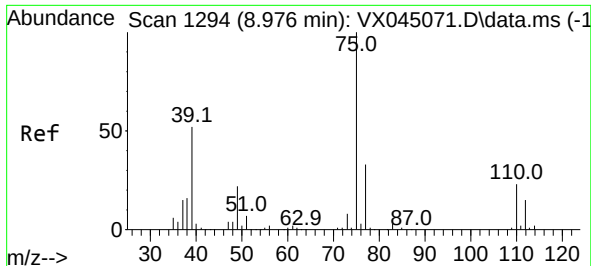
Tgt Ion: 43 Resp: 216153
Ion Ratio Lower Upper
43 100
58 36.8 29.2 43.8



#52
Toluene
Concen: 19.628 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 92 Resp: 64270
Ion Ratio Lower Upper
92 100
91 171.4 138.9 208.3

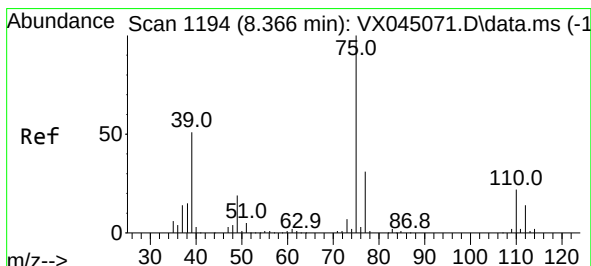
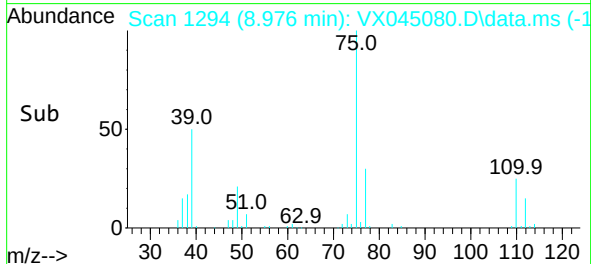
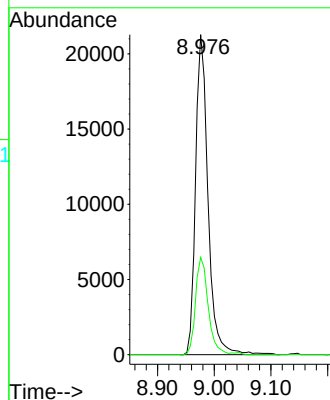
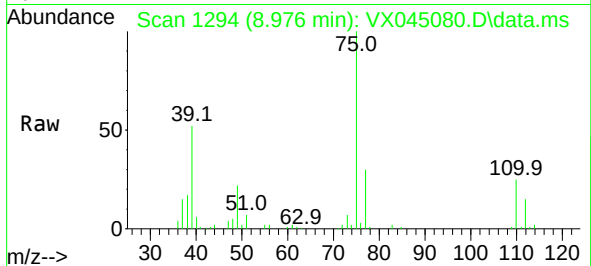




#53
t-1,3-Dichloropropene
Concen: 19.479 ug/l
RT: 8.976 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

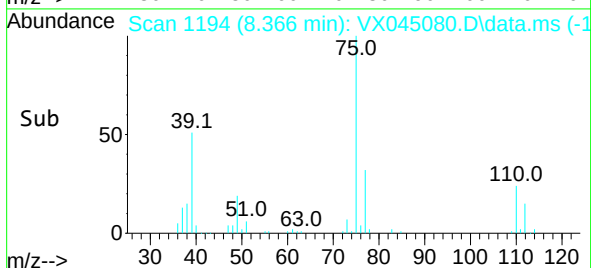
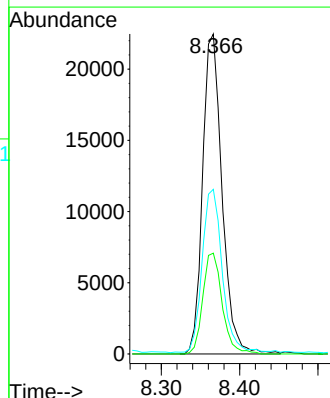
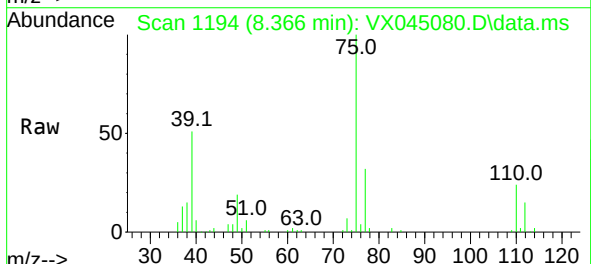
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

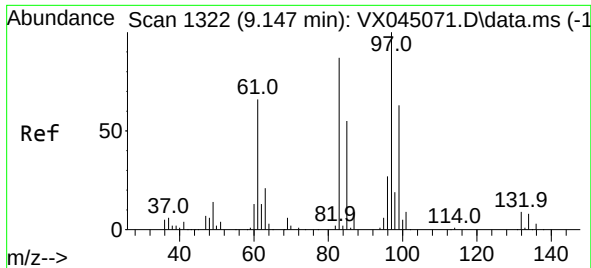
Tgt Ion: 75 Resp: 32395
Ion Ratio Lower Upper
75 100
77 30.4 26.5 39.7



#54
cis-1,3-Dichloropropene
Concen: 19.970 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 75 Resp: 38727
Ion Ratio Lower Upper
75 100
77 31.5 24.7 37.1
39 50.9 40.7 61.1

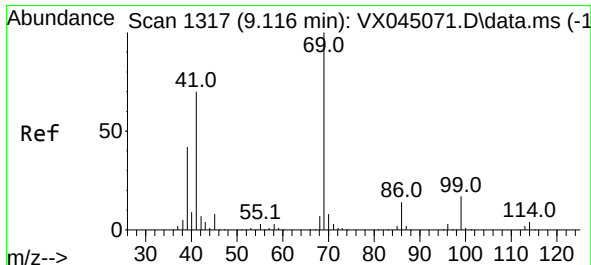
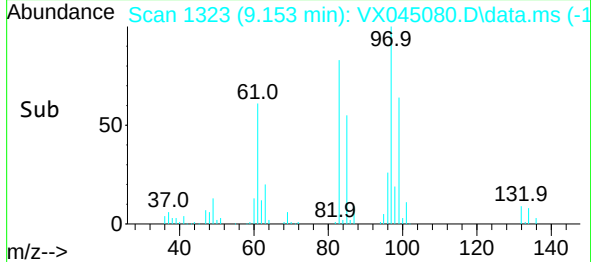
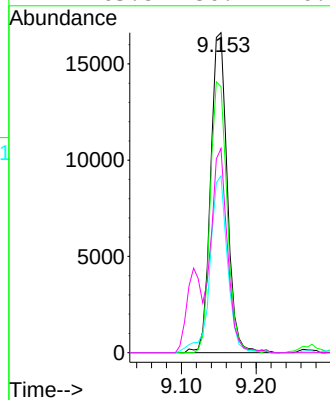
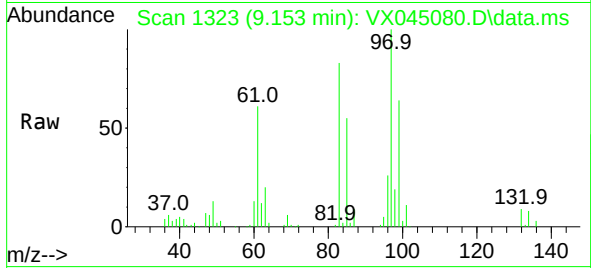




#55
1,1,2-Trichloroethane
Concen: 19.074 ug/l
RT: 9.153 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

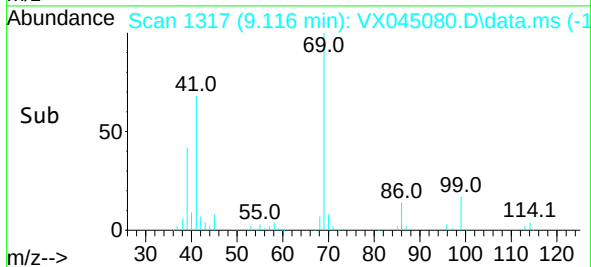
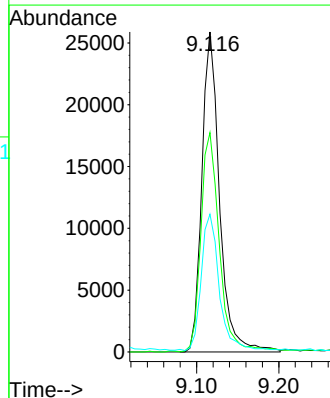
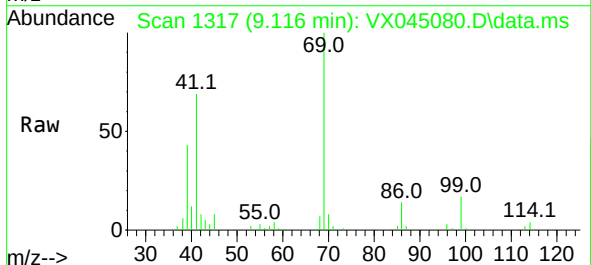
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

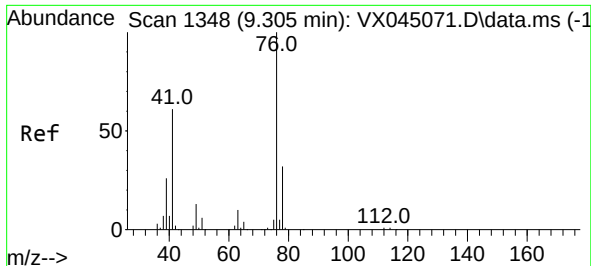
Tgt Ion: 97	Resp: 25711
Ion Ratio	Lower Upper
97	100
83	83.1 69.4 104.2
85	55.2 44.1 66.1
99	63.8 50.7 76.1



#56
Ethyl methacrylate
Concen: 18.857 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 69	Resp: 38638
Ion Ratio	Lower Upper
69	100
41	72.4 57.0 85.4
39	43.0 34.2 51.4





#57

1,3-Dichloropropane

Concen: 18.881 ug/l

RT: 9.305 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

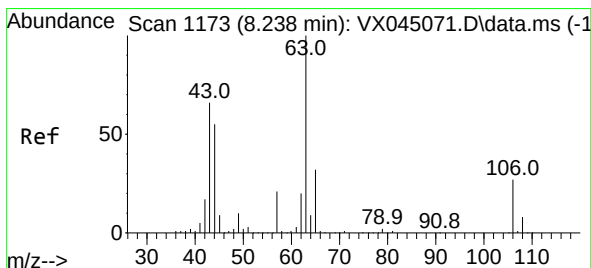
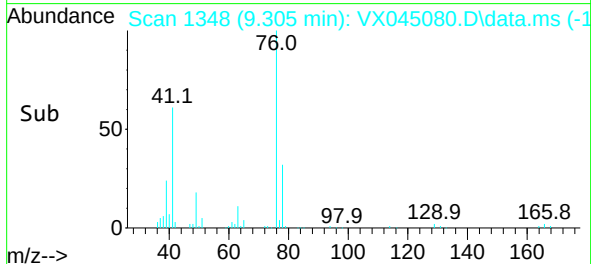
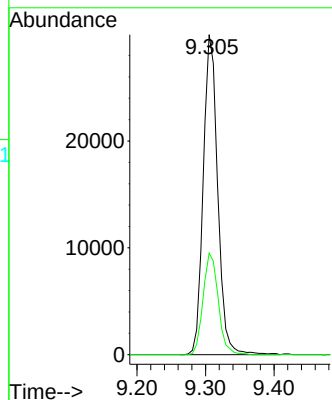
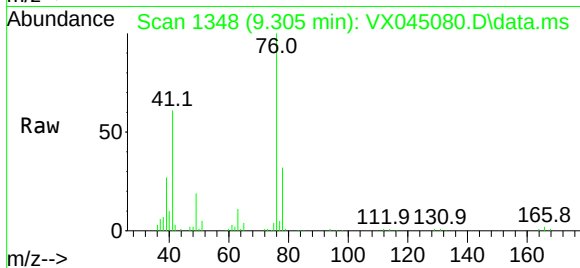
VX0228WBS01

Tgt Ion: 76 Resp: 44044

Ion Ratio Lower Upper

76 100

78 33.2 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 100.039 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX045080.D

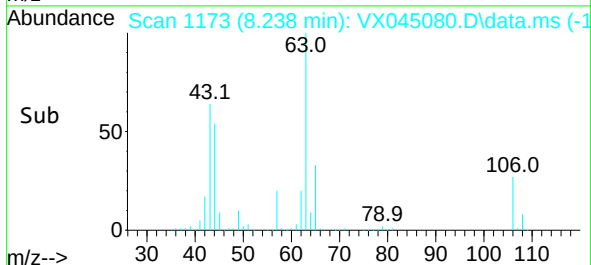
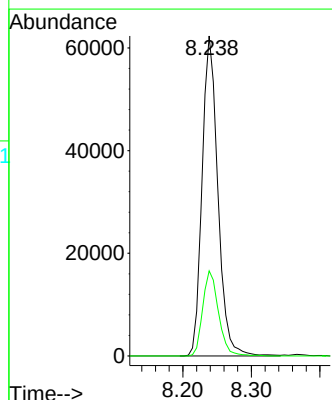
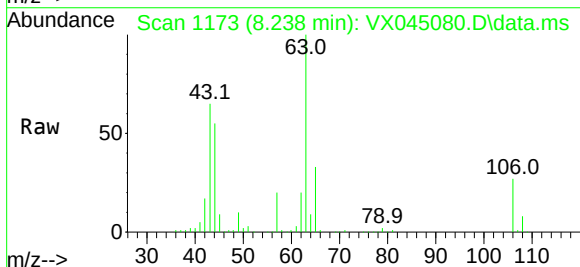
Acq: 28 Feb 2025 11:46

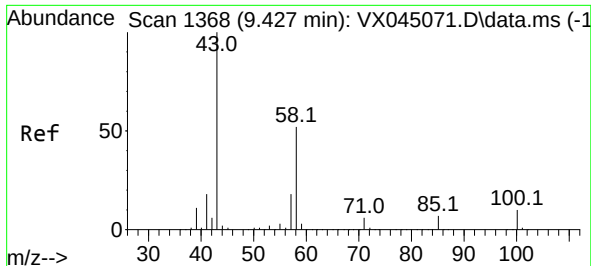
Tgt Ion: 63 Resp: 99991

Ion Ratio Lower Upper

63 100

106 26.6 21.5 32.3

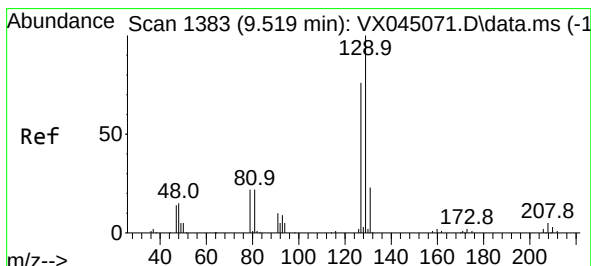
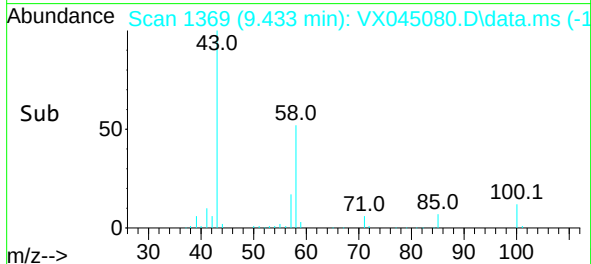
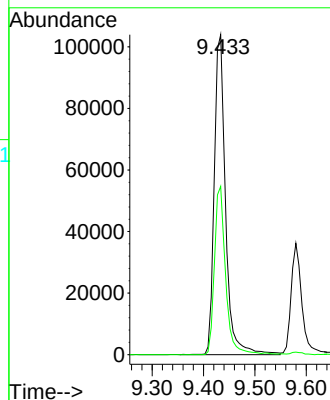
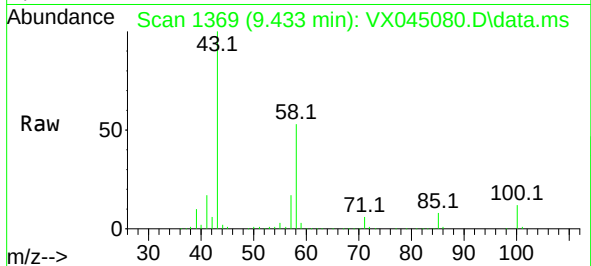




#59
2-Hexanone
Concen: 96.991 ug/l
RT: 9.433 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

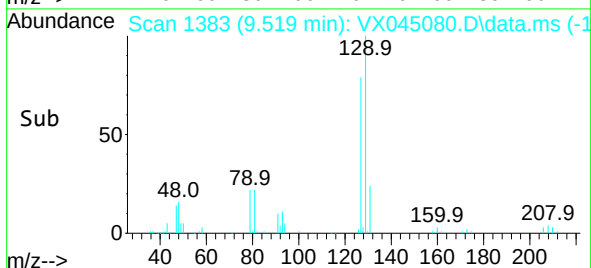
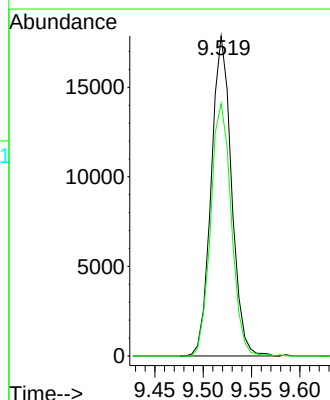
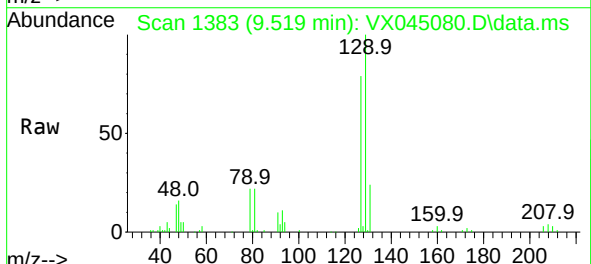
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

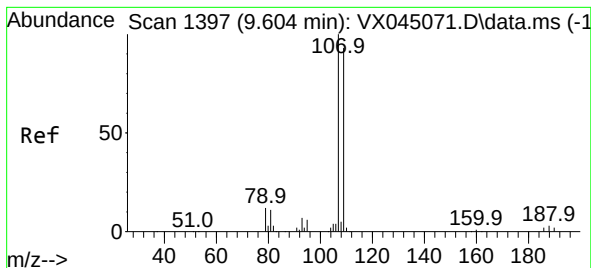
Tgt Ion: 43 Resp: 158894
Ion Ratio Lower Upper
43 100
58 51.6 25.9 77.6



#60
Dibromochloromethane
Concen: 18.475 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 129 Resp: 26039
Ion Ratio Lower Upper
129 100
127 80.3 38.5 115.5

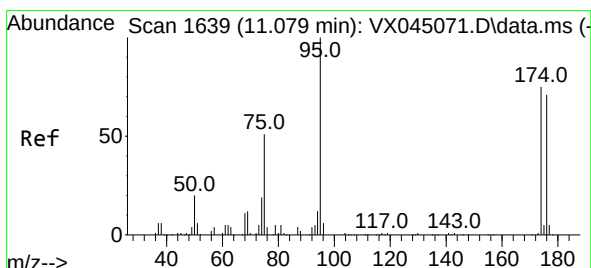
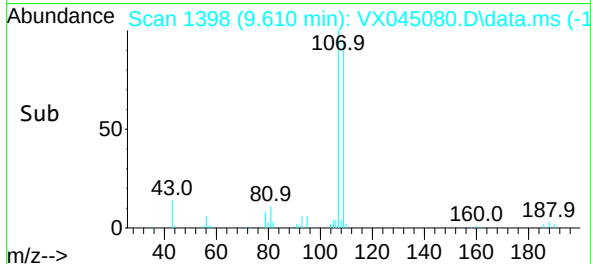
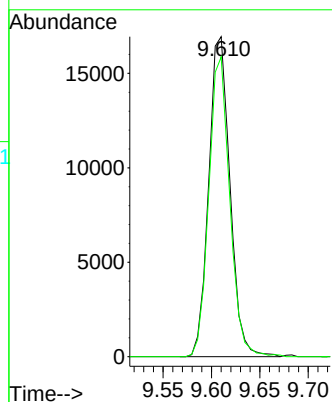
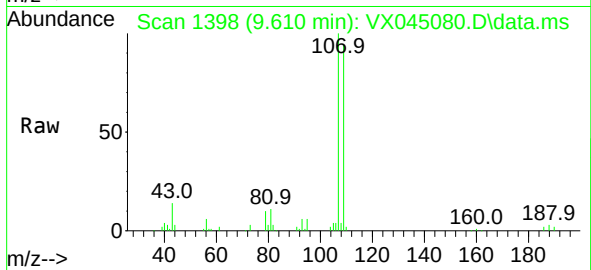




#61
1,2-Dibromoethane
Concen: 19.303 ug/l
RT: 9.610 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

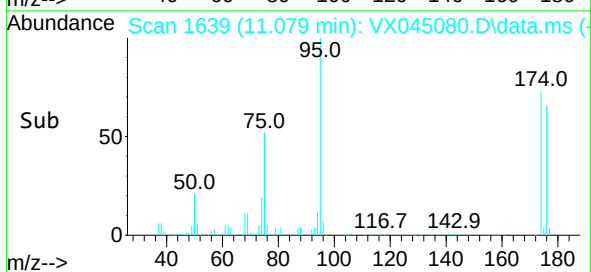
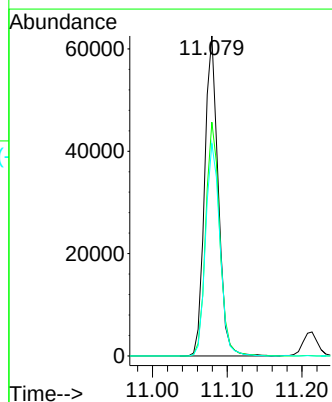
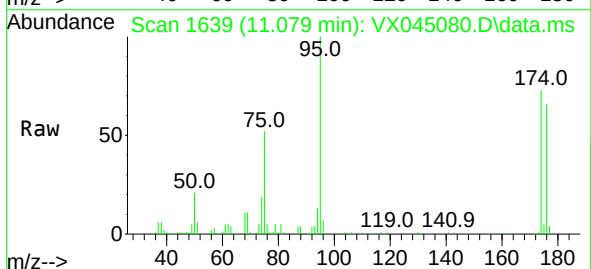
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

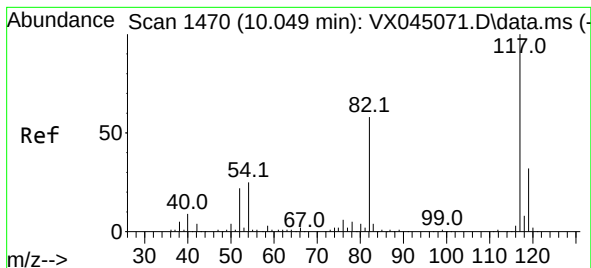
Tgt Ion:107 Resp: 25976
Ion Ratio Lower Upper
107 100
109 92.2 76.1 114.1



#62
4-Bromofluorobenzene
Concen: 51.005 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

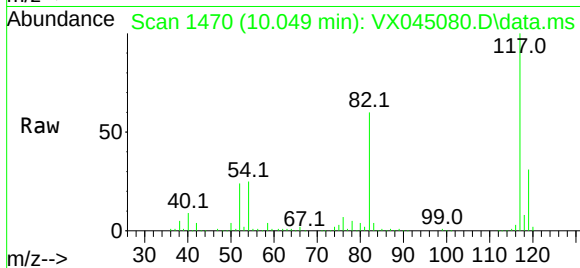
Tgt Ion: 95 Resp: 78964
Ion Ratio Lower Upper
95 100
174 74.9 0.0 148.2
176 69.8 0.0 141.4



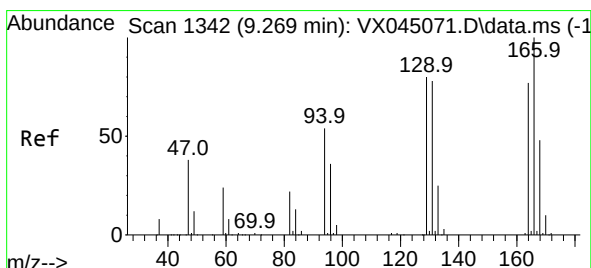
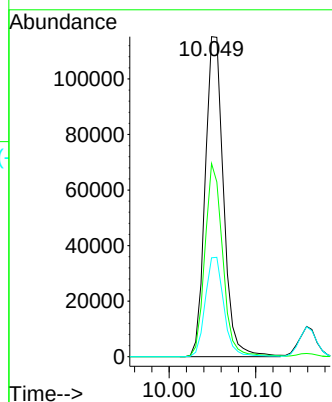
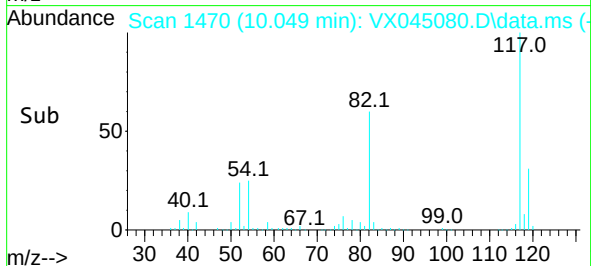


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

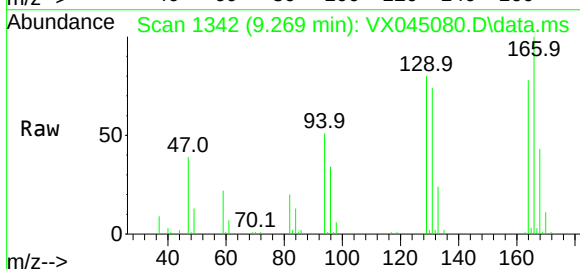
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01



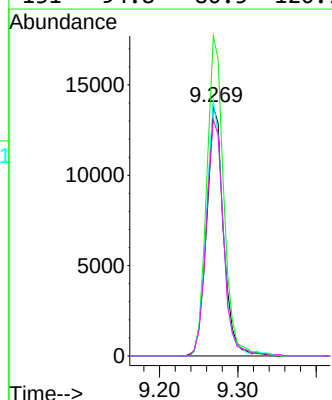
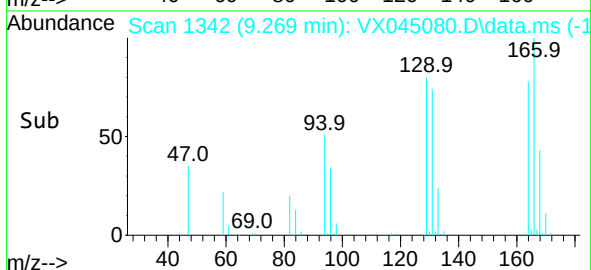
Tgt Ion:117 Resp: 169474
Ion Ratio Lower Upper
117 100
82 60.4 46.3 69.5
119 30.9 25.7 38.5

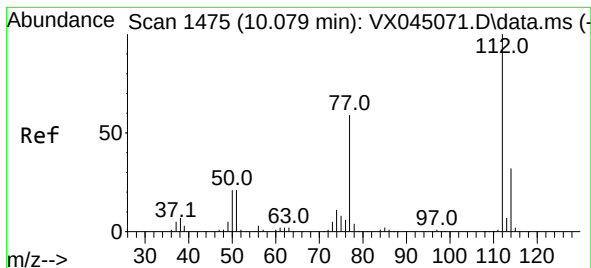


#64
Tetrachloroethene
Concen: 19.012 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46



Tgt Ion:164 Resp: 20636
Ion Ratio Lower Upper
164 100
166 128.4 103.6 155.4
129 102.7 82.7 124.1
131 94.8 80.5 120.7

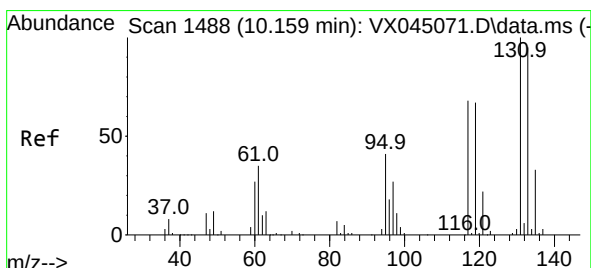
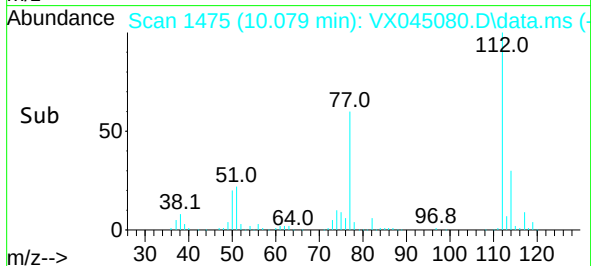
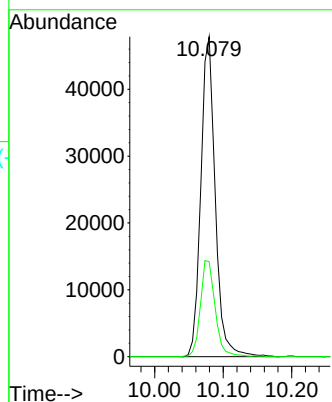
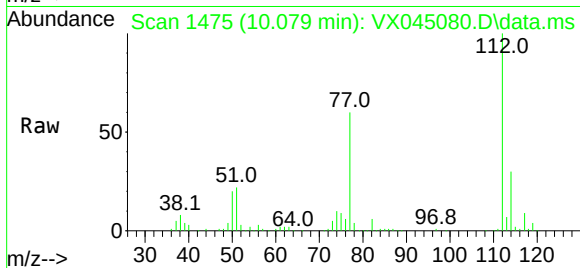




#65
Chlorobenzene
Concen: 19.571 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

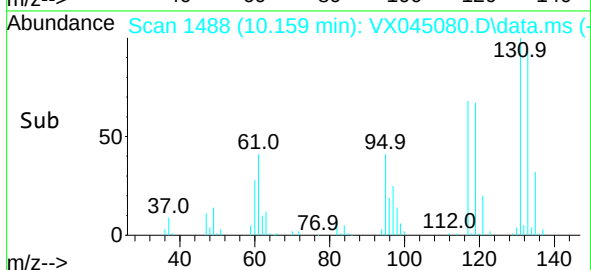
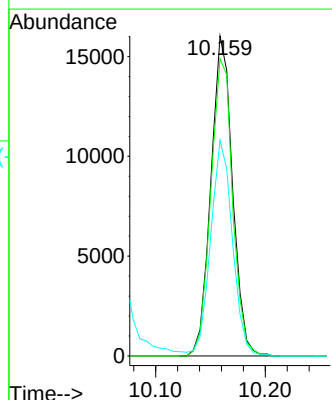
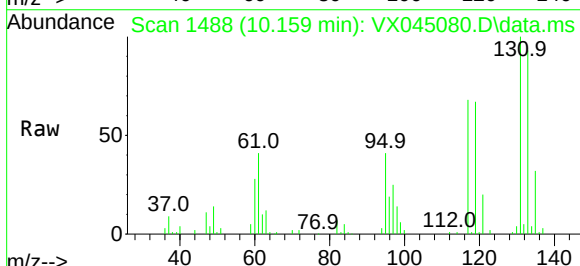
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

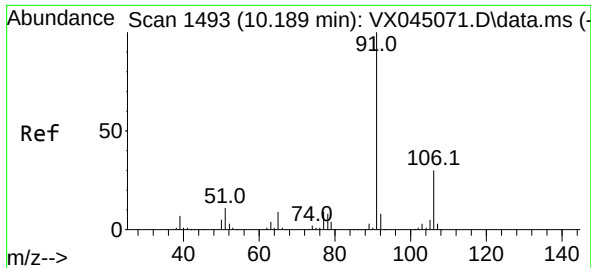
Tgt Ion:112 Resp: 70182
Ion Ratio Lower Upper
112 100
114 29.7 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 18.381 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:131 Resp: 21951
Ion Ratio Lower Upper
131 100
133 93.9 48.6 145.9
119 67.9 33.9 101.7

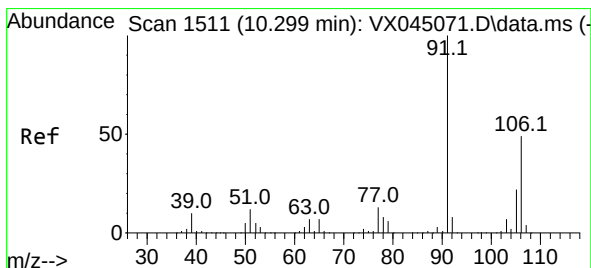
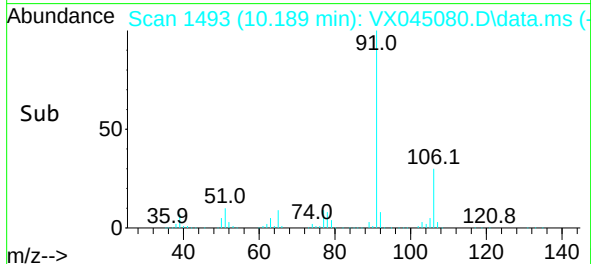
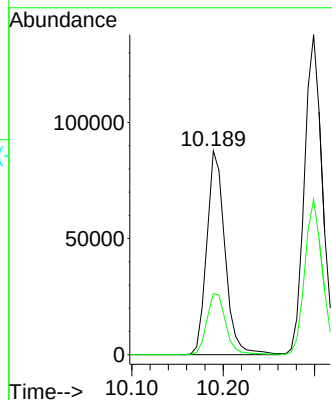
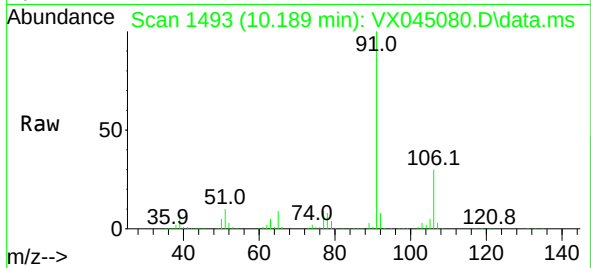




#67
Ethyl Benzene
Concen: 19.418 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

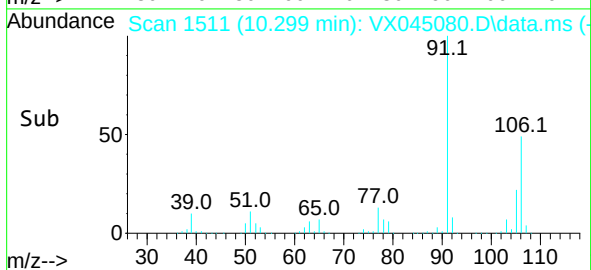
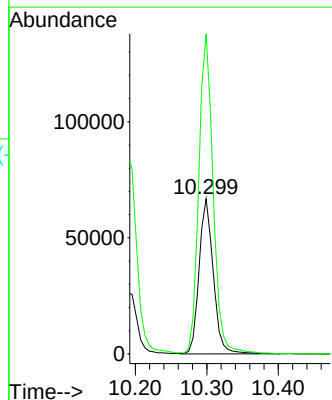
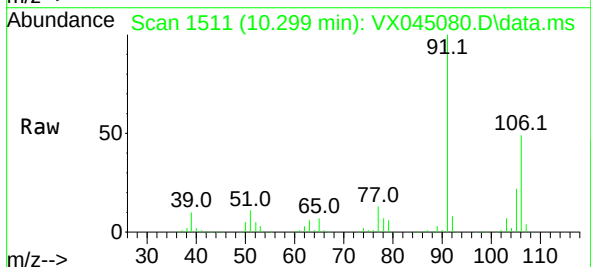
Instrument : MSVOA_X
ClientSampleId : VX0228WBS01

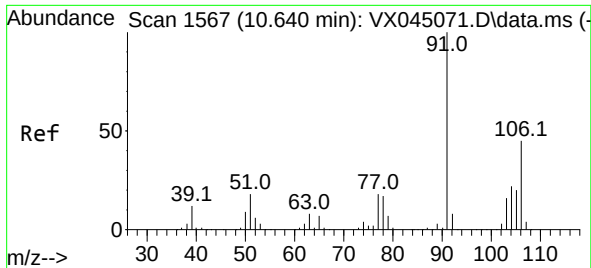
Tgt Ion: 91 Resp: 121335
Ion Ratio Lower Upper
91 100
106 30.1 23.9 35.9



#68
m/p-Xylenes
Concen: 40.136 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 106 Resp: 91808
Ion Ratio Lower Upper
106 100
91 208.5 165.4 248.0

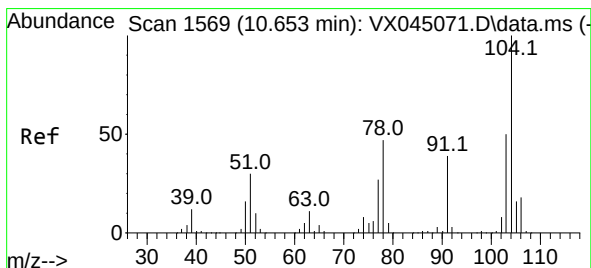
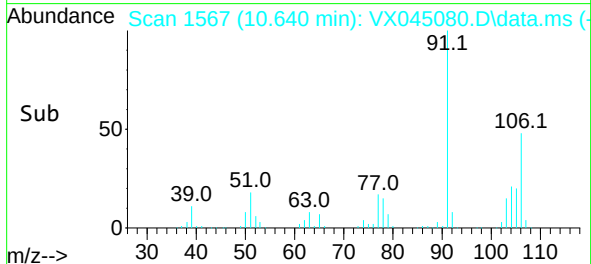
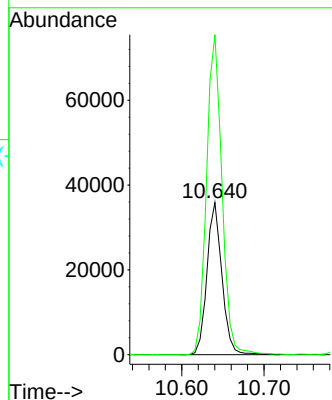
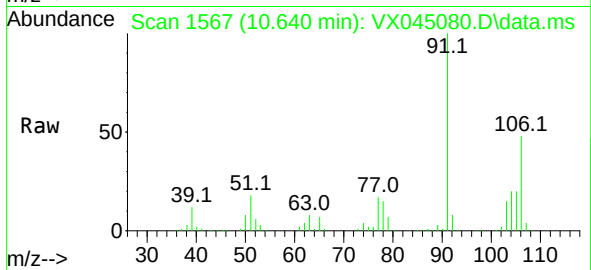




#69
o-Xylene
Concen: 19.659 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

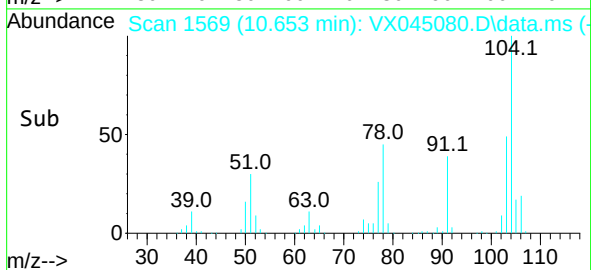
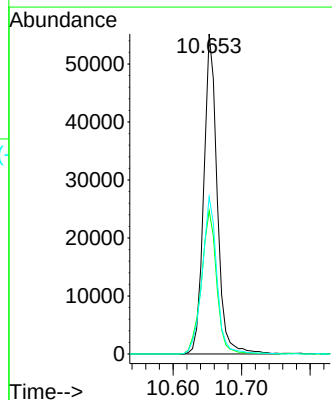
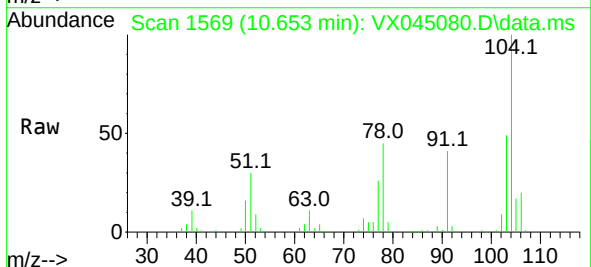
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

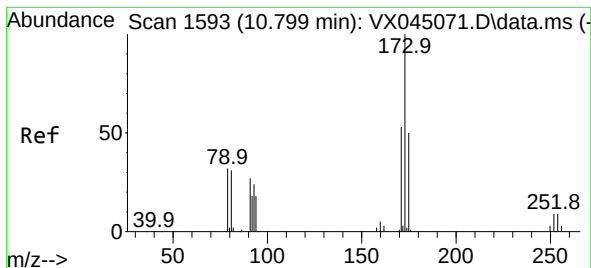
Tgt Ion:106 Resp: 45354
Ion Ratio Lower Upper
106 100
91 217.3 109.9 329.6



#70
Styrene
Concen: 20.230 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:104 Resp: 75515
Ion Ratio Lower Upper
104 100
78 50.7 42.2 63.4
103 53.7 43.8 65.8





#71

Bromoform

Concen: 18.196 ug/l

RT: 10.799 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

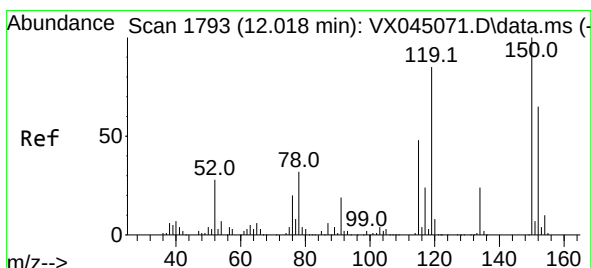
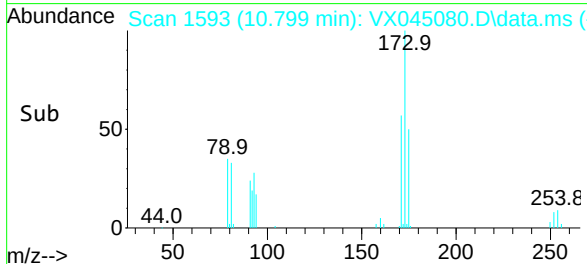
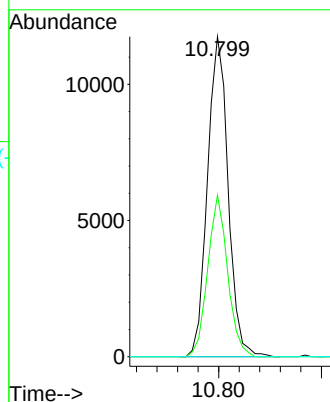
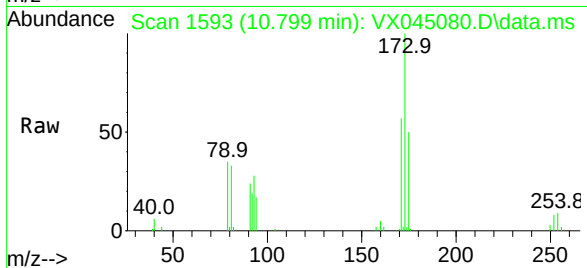
Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

Tgt Ion:173	Resp:	16386
Ion Ratio	Lower	Upper
173	100	
175	48.7	24.6 73.6
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

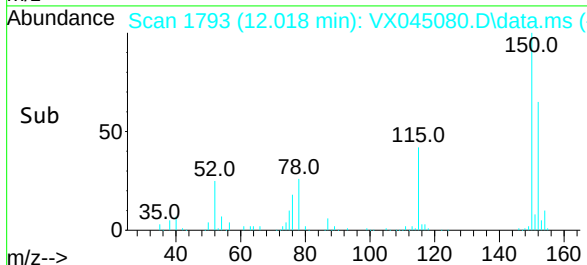
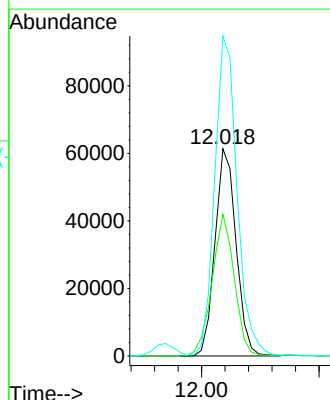
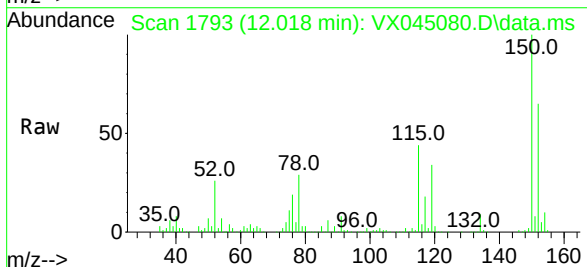
RT: 12.018 min Scan# 1793

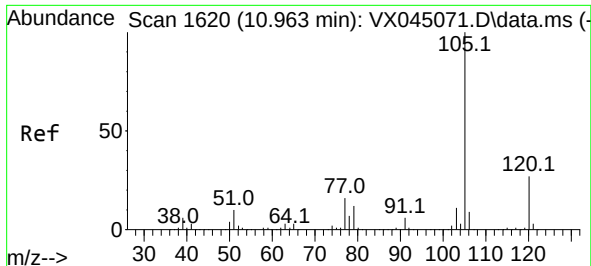
Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Tgt Ion:152	Resp:	76472
Ion Ratio	Lower	Upper
152	100	
115	71.9	44.2 132.6
150	163.9	0.0 349.0

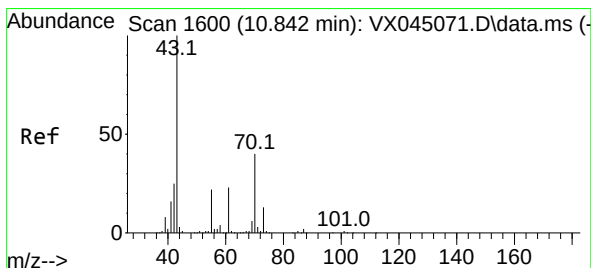
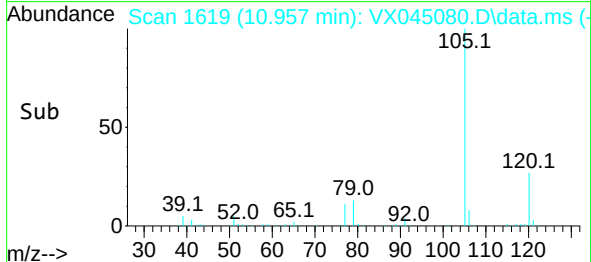
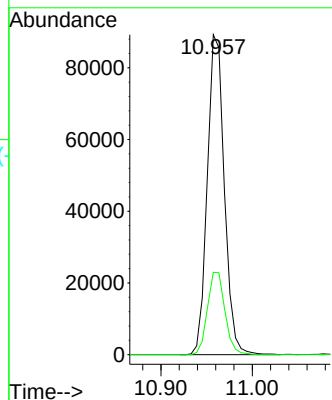
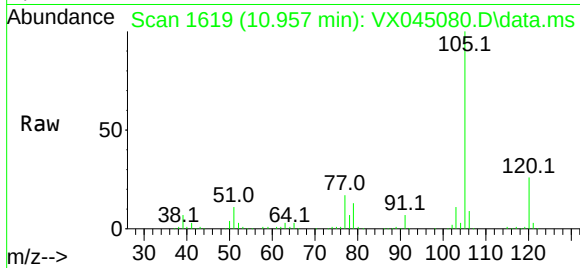




#73
Isopropylbenzene
Concen: 19.389 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

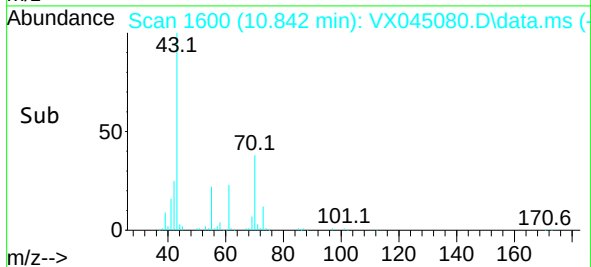
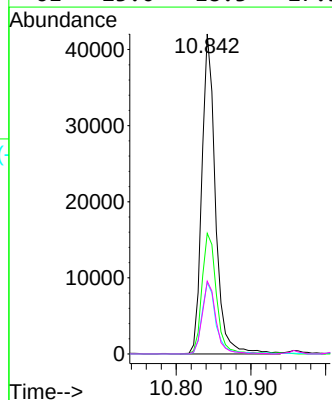
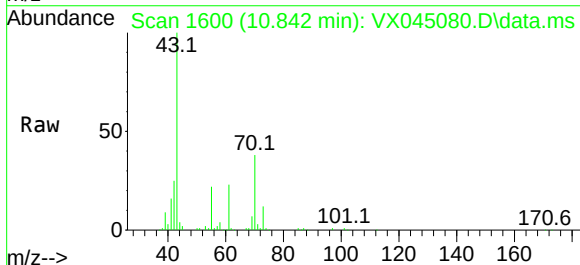
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

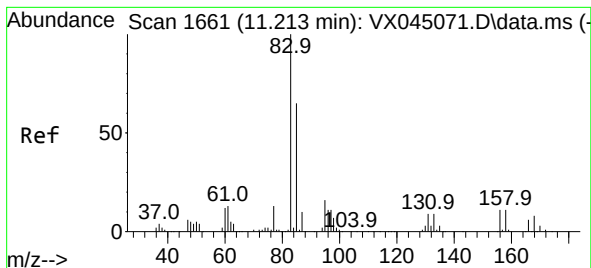
Tgt Ion:105 Resp: 115731
Ion Ratio Lower Upper
105 100
120 26.5 13.2 39.5



#74
N-ethyl acetate
Concen: 18.981 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 43 Resp: 53161
Ion Ratio Lower Upper
43 100
70 40.0 31.8 47.6
55 23.0 18.3 27.5
61 23.0 18.3 27.5

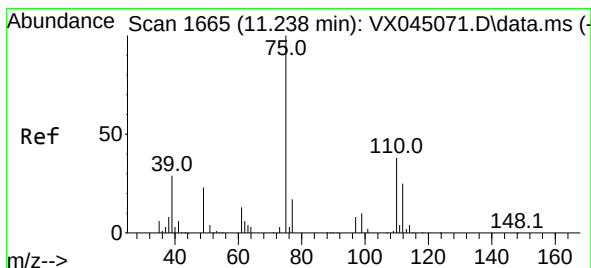
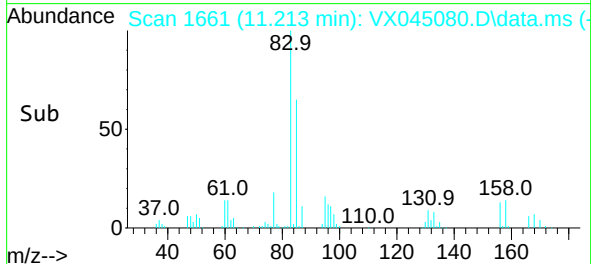
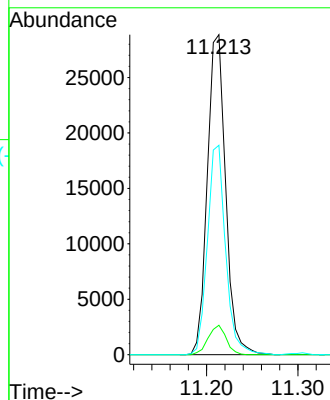
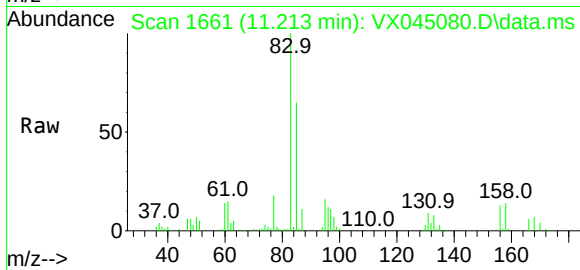




#75
1,1,2,2-Tetrachloroethane
Concen: 18.311 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

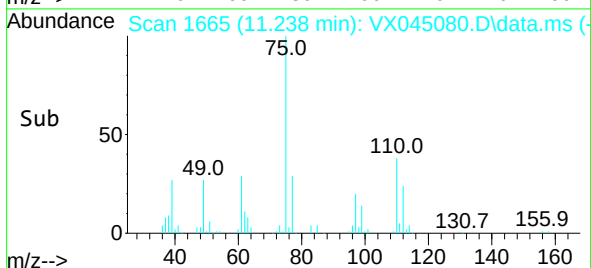
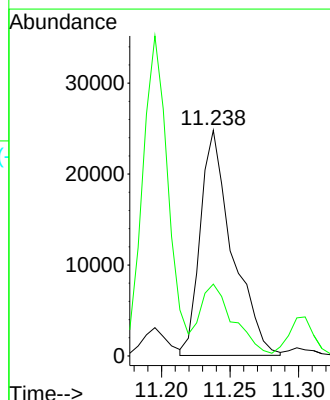
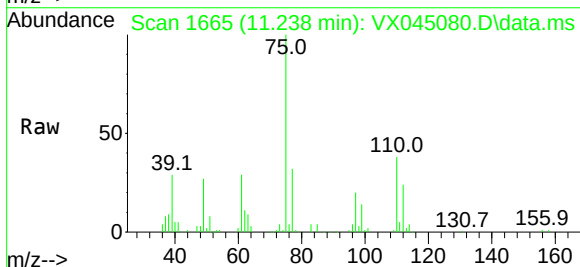
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

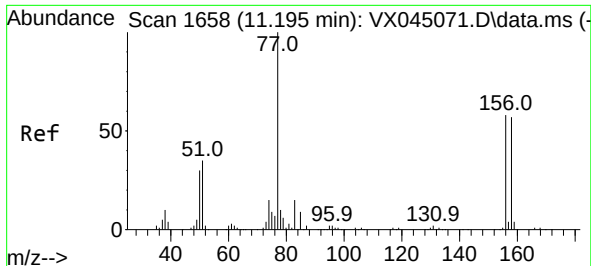
Tgt Ion: 83 Resp: 40107
Ion Ratio Lower Upper
83 100
131 9.0 4.5 13.4
85 64.9 31.7 95.1



#76
1,2,3-Trichloropropane
Concen: 22.610 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 75 Resp: 40243
Ion Ratio Lower Upper
75 100
77 33.6 20.7 62.1

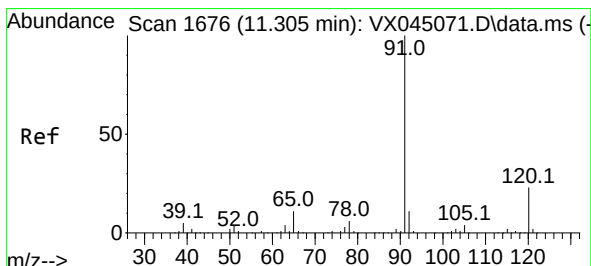
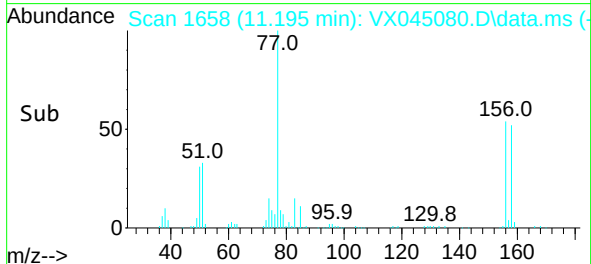
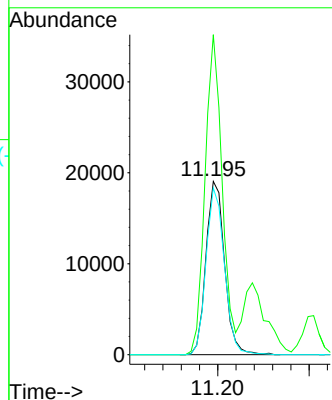
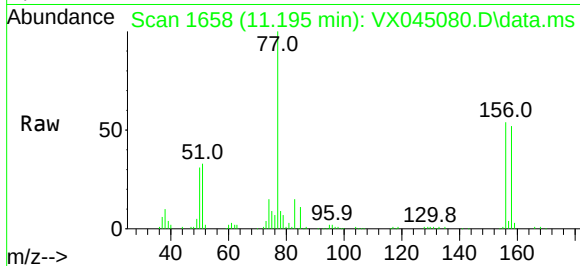




#77
Bromobenzene
Concen: 19.058 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

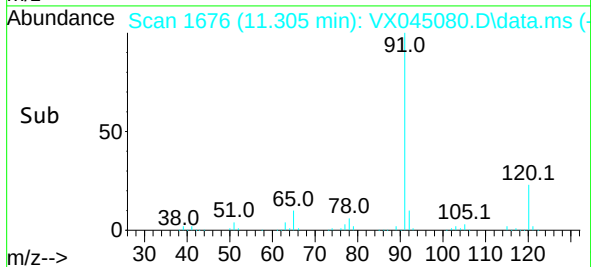
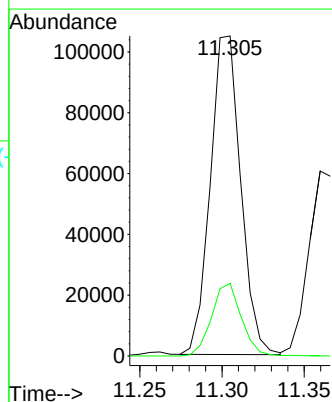
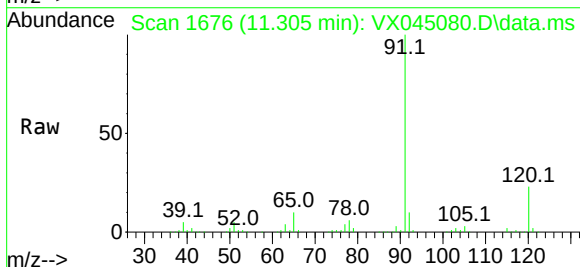
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

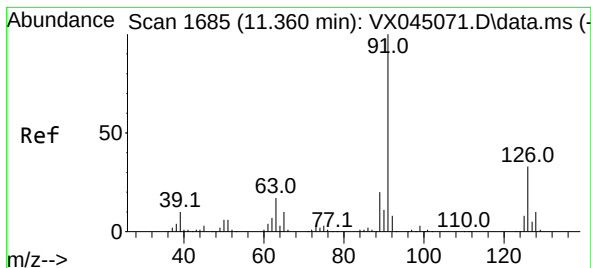
Tgt Ion:156 Resp: 26840
Ion Ratio Lower Upper
156 100
77 170.0 85.8 257.4
158 95.1 48.4 145.2



#78
n-propylbenzene
Concen: 20.023 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 91 Resp: 135011
Ion Ratio Lower Upper
91 100
120 22.3 11.2 33.6





#79

2-Chlorotoluene

Concen: 18.869 ug/l

RT: 11.360 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

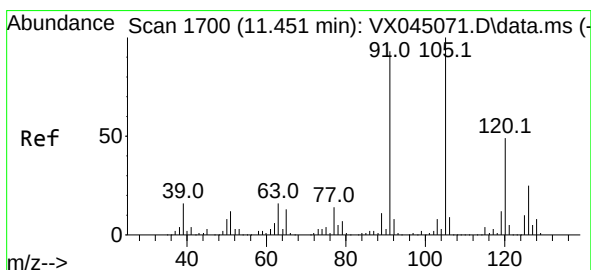
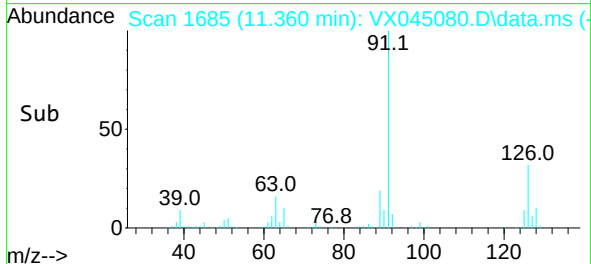
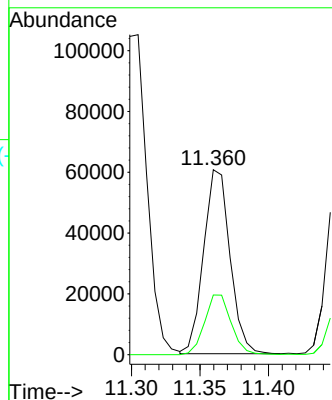
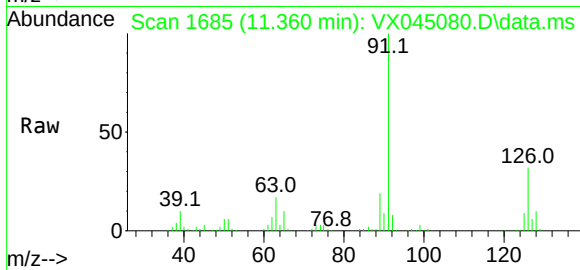
VX0228WBS01

Tgt Ion: 91 Resp: 81025

Ion Ratio Lower Upper

91 100

126 32.9 16.4 49.4



#80

1,3,5-Trimethylbenzene

Concen: 20.095 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX045080.D

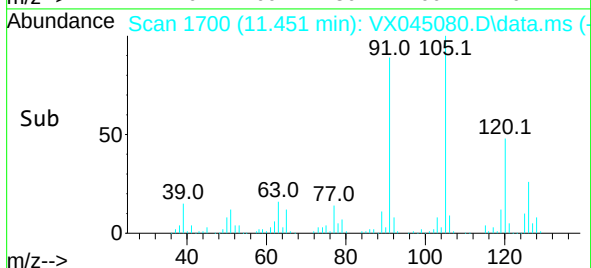
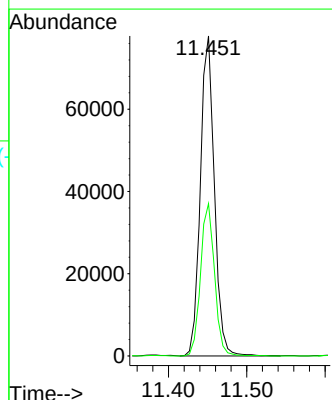
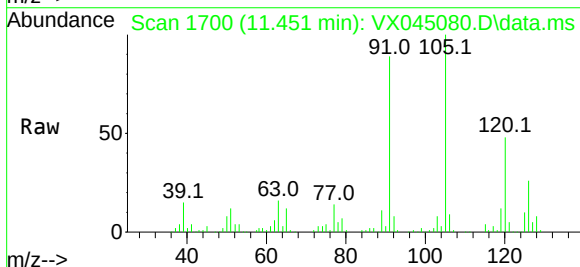
Acq: 28 Feb 2025 11:46

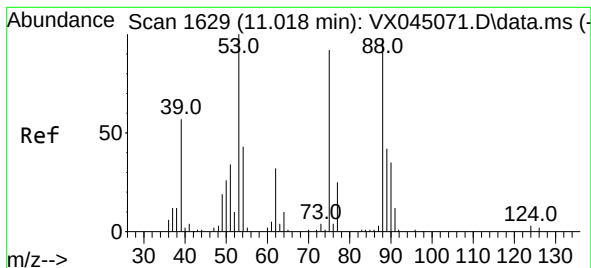
Tgt Ion: 105 Resp: 96986

Ion Ratio Lower Upper

105 100

120 47.5 24.1 72.2

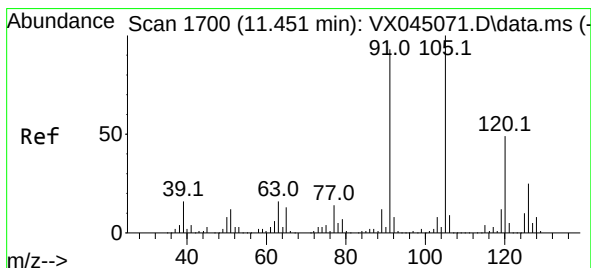
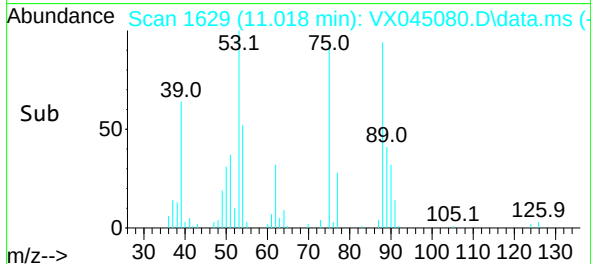
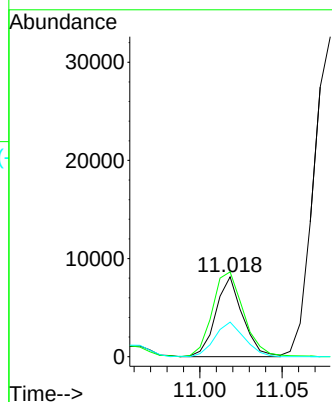
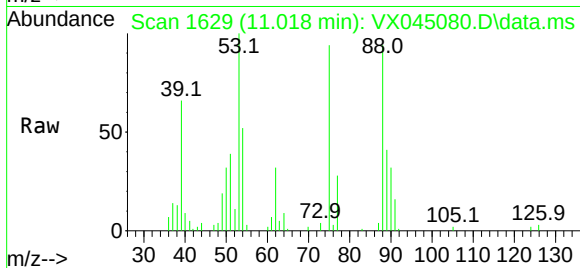




#81
trans-1,4-Dichloro-2-butene
Concen: 17.808 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

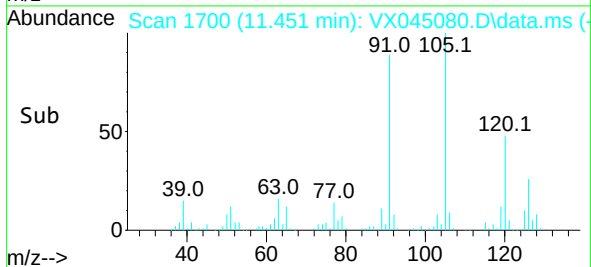
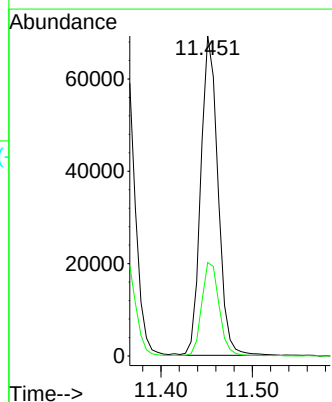
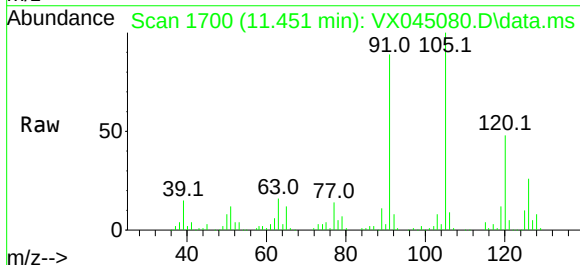
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

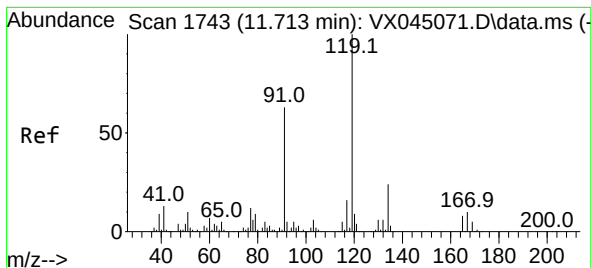
Tgt Ion: 75 Resp: 9262
Ion Ratio Lower Upper
75 100
53 124.2 88.5 132.7
89 47.6 36.2 54.4



#82
4-Chlorotoluene
Concen: 19.254 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 91 Resp: 90109
Ion Ratio Lower Upper
91 100
126 29.5 14.1 42.4

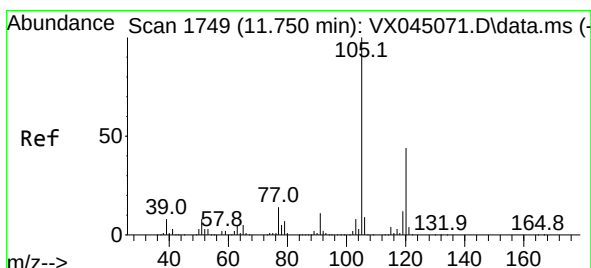
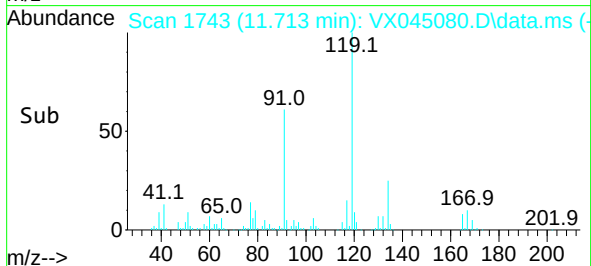
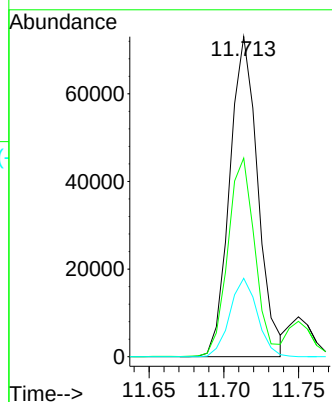
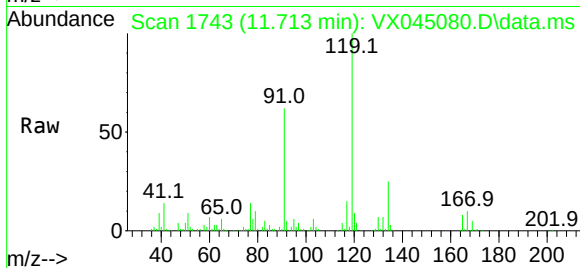




#83
tert-Butylbenzene
Concen: 19.251 ug/l
RT: 11.713 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

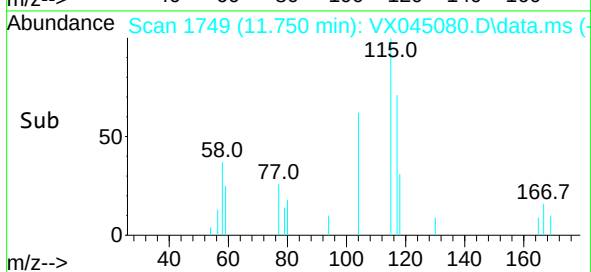
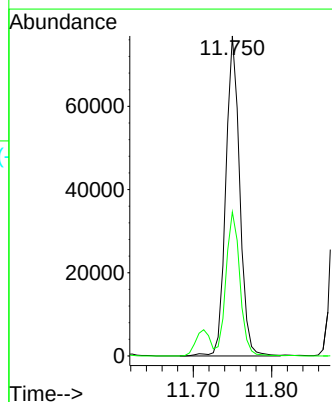
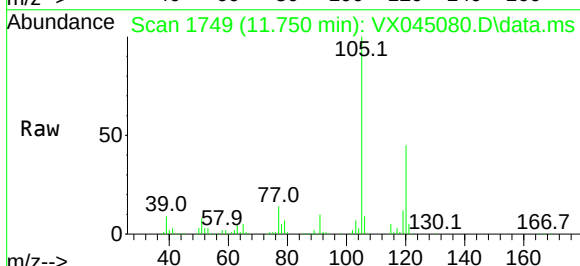
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

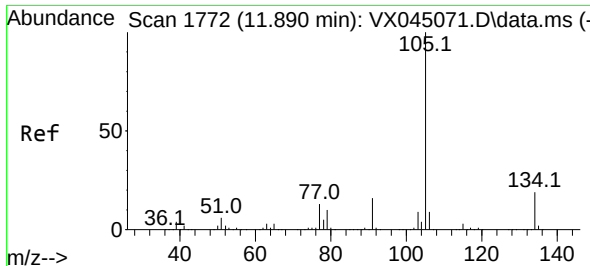
Tgt Ion:119 Resp: 95461
Ion Ratio Lower Upper
119 100
91 60.2 30.7 92.1
134 24.0 11.7 35.0



#84
1,2,4-Trimethylbenzene
Concen: 19.618 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:105 Resp: 95268
Ion Ratio Lower Upper
105 100
120 44.7 22.1 66.1

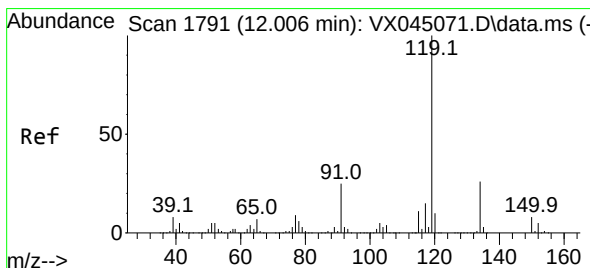
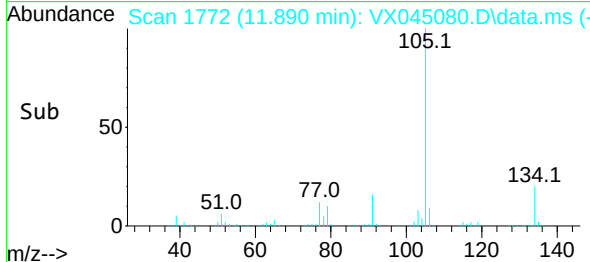
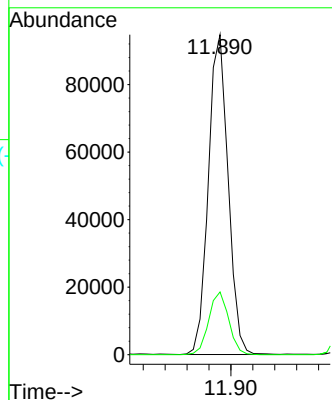
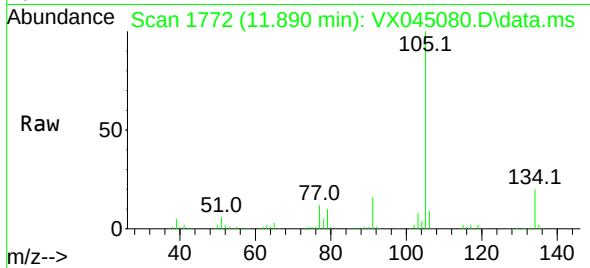




#85
 sec-Butylbenzene
 Concen: 19.930 ug/l
 RT: 11.890 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045080.D
 Acq: 28 Feb 2025 11:46

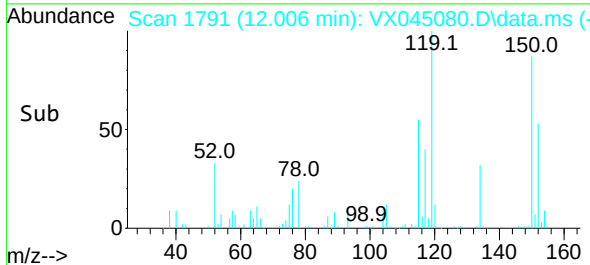
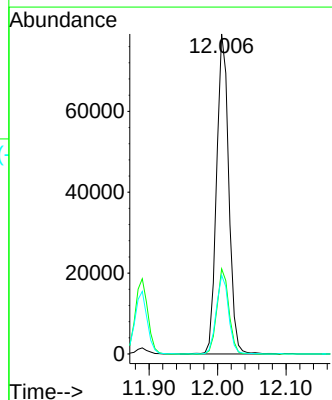
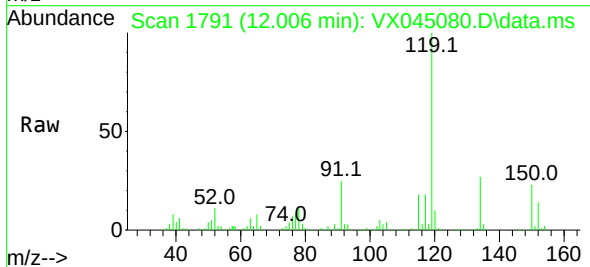
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0228WBS01

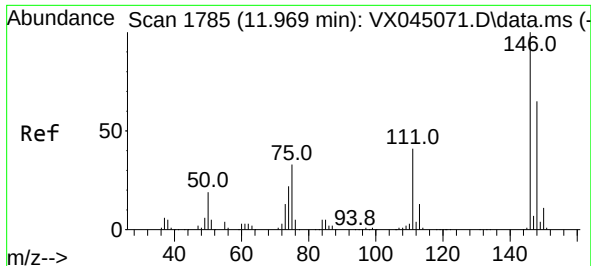
Tgt Ion:105 Resp: 118388
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 20.363 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX045080.D
 Acq: 28 Feb 2025 11:46

Tgt Ion:119 Resp: 97752
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.9 38.6
 91 25.0 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 19.459 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

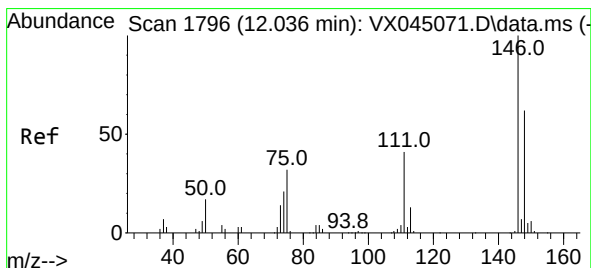
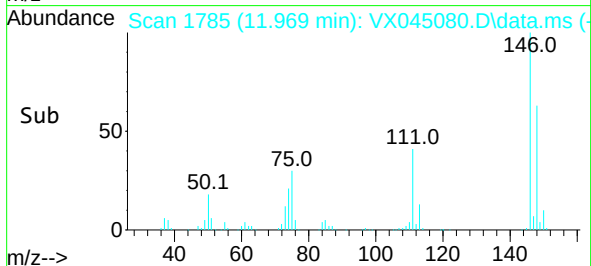
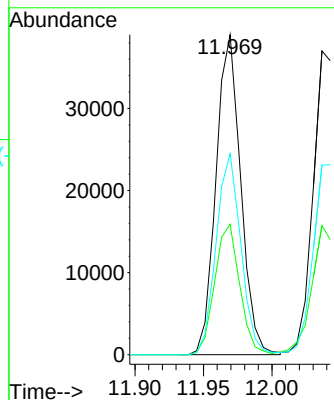
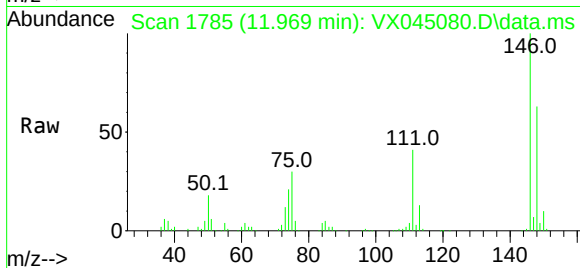
Tgt Ion:146 Resp: 48888

Ion Ratio Lower Upper

146 100

111 41.2 21.1 63.4

148 63.0 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 19.373 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

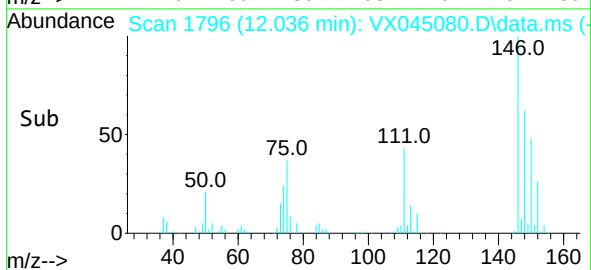
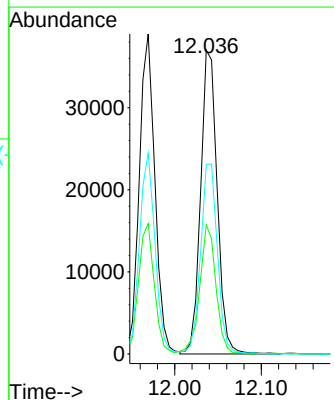
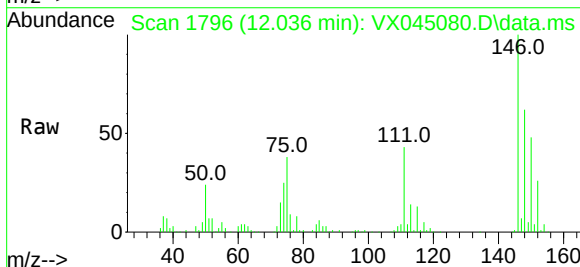
Tgt Ion:146 Resp: 49240

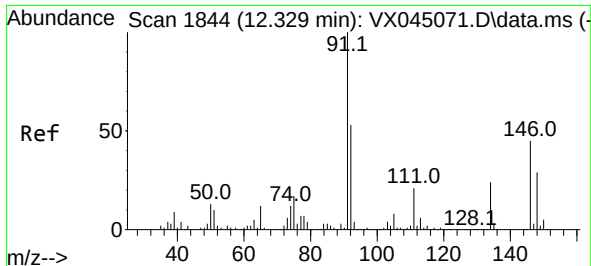
Ion Ratio Lower Upper

146 100

111 41.9 20.2 60.5

148 63.9 31.9 95.9





#89

n-Butylbenzene

Concen: 20.441 ug/l

RT: 12.329 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

VX0228WBS01

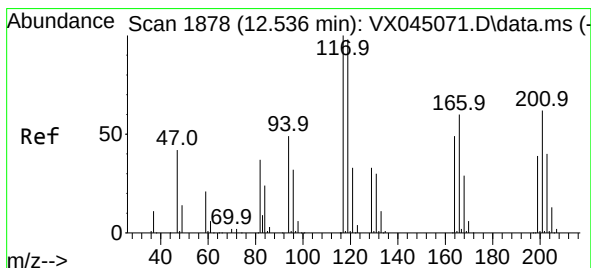
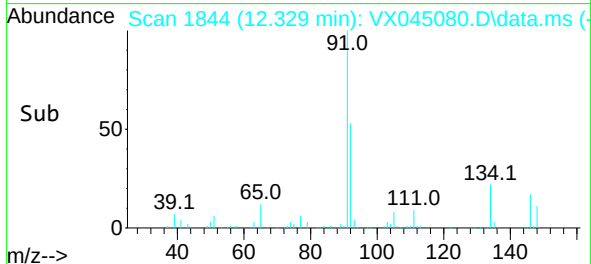
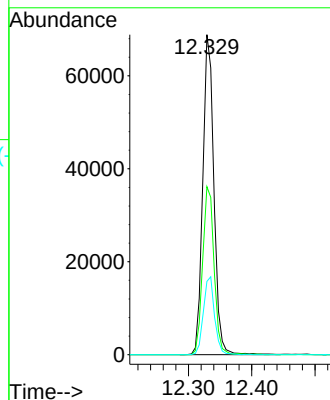
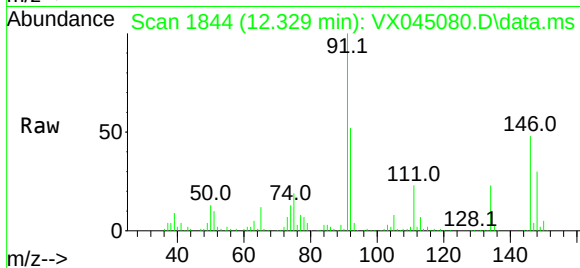
Tgt Ion: 91 Resp: 84515

Ion Ratio Lower Upper

91 100

92 53.7 26.7 80.0

134 24.4 12.2 36.6



#90

Hexachloroethane

Concen: 18.549 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX045080.D

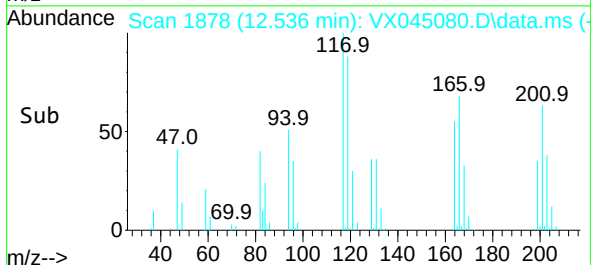
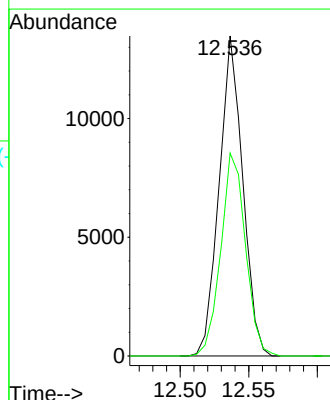
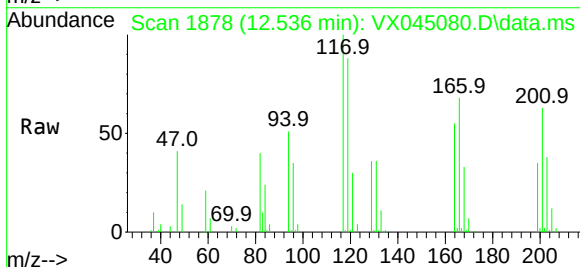
Acq: 28 Feb 2025 11:46

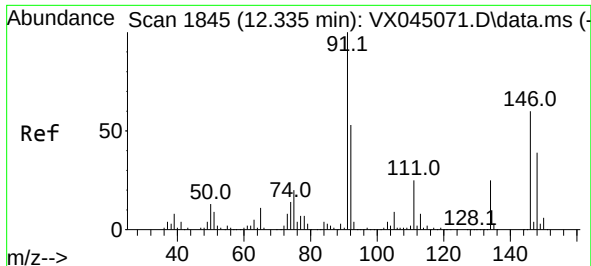
Tgt Ion: 117 Resp: 16106

Ion Ratio Lower Upper

117 100

201 66.5 31.9 95.9

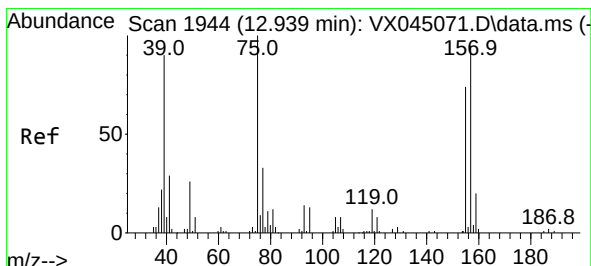
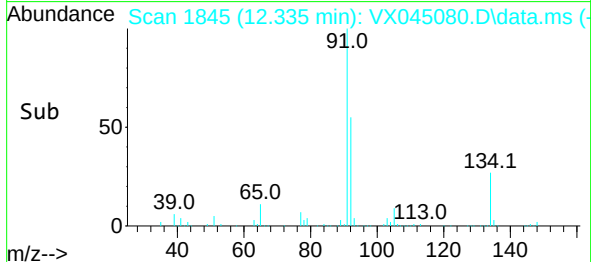
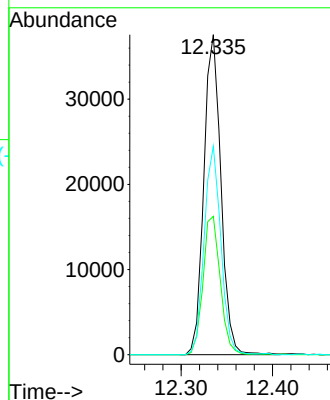
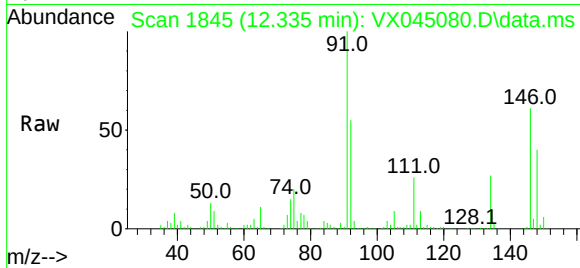




#91
1,2-Dichlorobenzene
Concen: 19.400 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

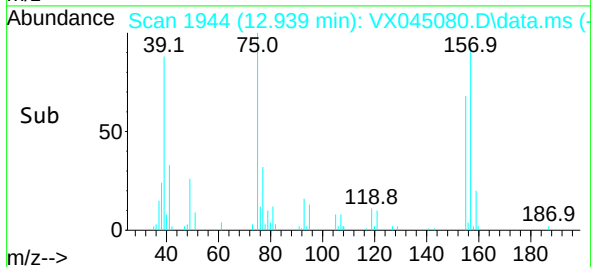
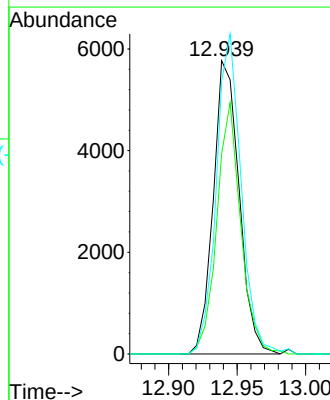
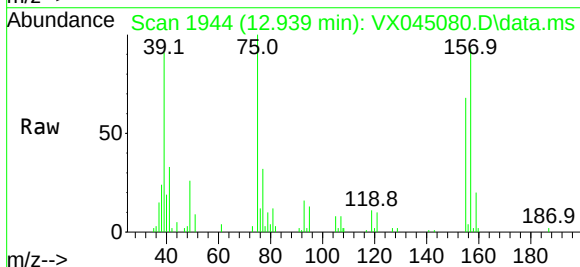
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

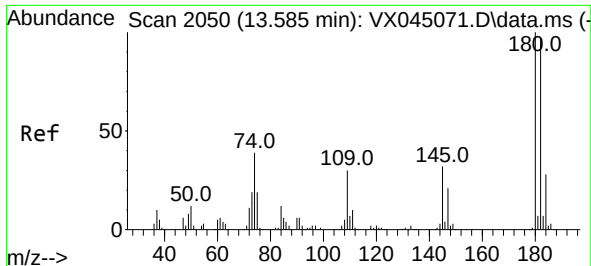
Tgt Ion:146 Resp: 48893
Ion Ratio Lower Upper
146 100
111 43.6 21.6 65.0
148 63.7 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 17.719 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion: 75 Resp: 7561
Ion Ratio Lower Upper
75 100
155 79.3 39.6 118.7
157 105.1 51.1 153.4

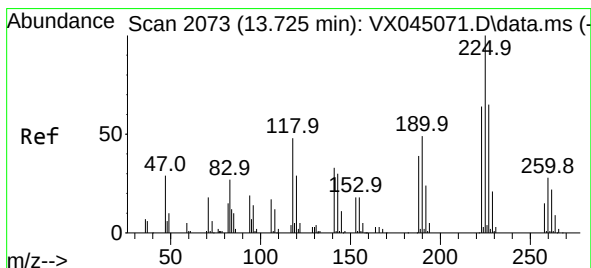
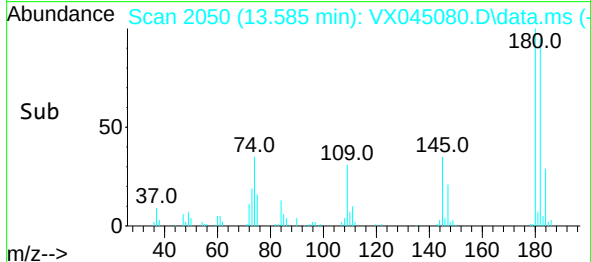
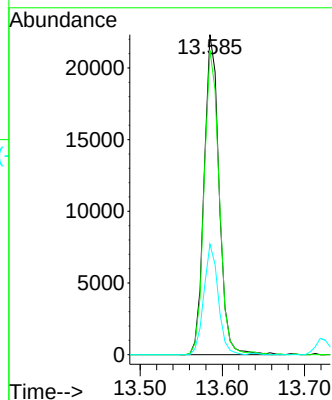
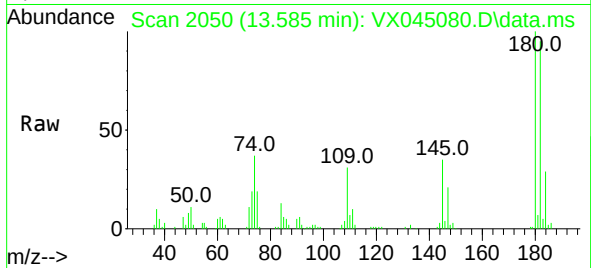




#93
1,2,4-Trichlorobenzene
Concen: 19.684 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

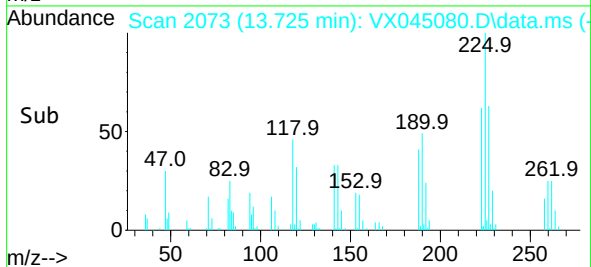
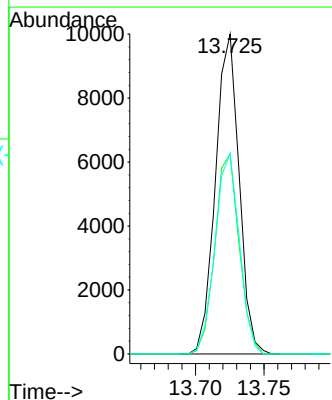
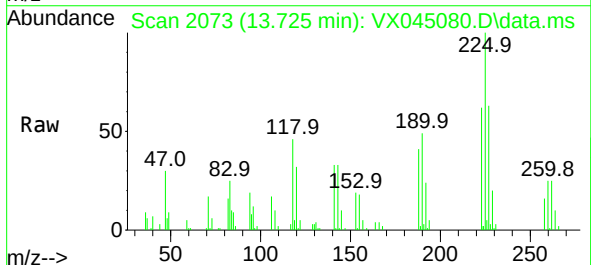
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

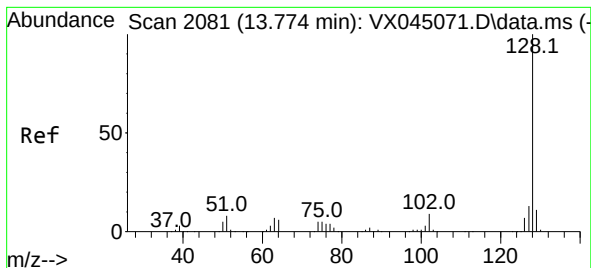
Tgt Ion:180 Resp: 28247
Ion Ratio Lower Upper
180 100
182 95.6 47.3 141.9
145 33.1 16.3 48.9



#94
Hexachlorobutadiene
Concen: 20.362 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:225 Resp: 11980
Ion Ratio Lower Upper
225 100
223 64.2 31.9 95.7
227 64.4 31.4 94.0

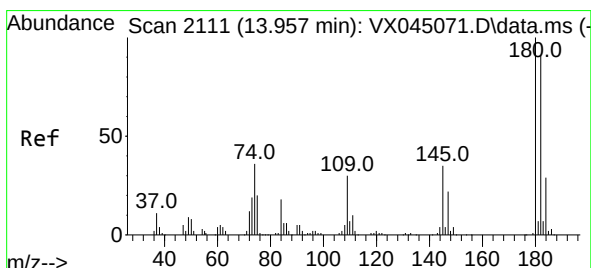
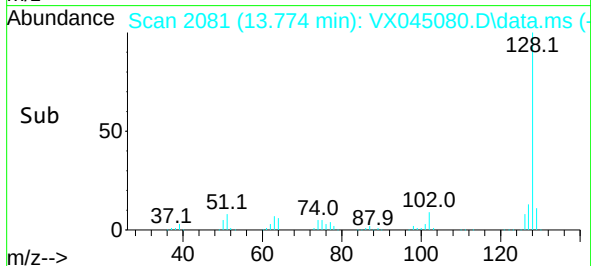
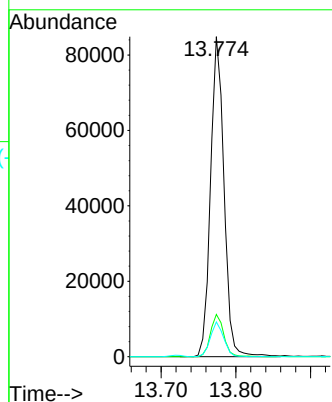
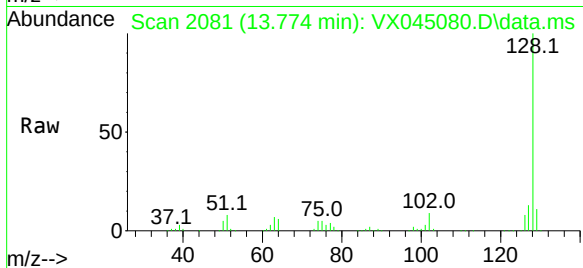




#95
Naphthalene
Concen: 19.237 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

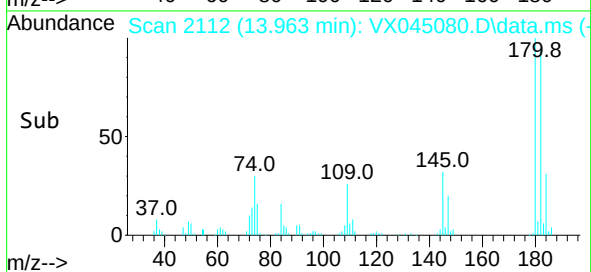
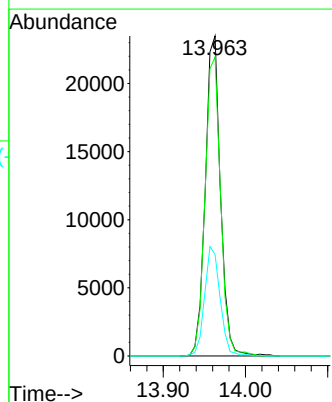
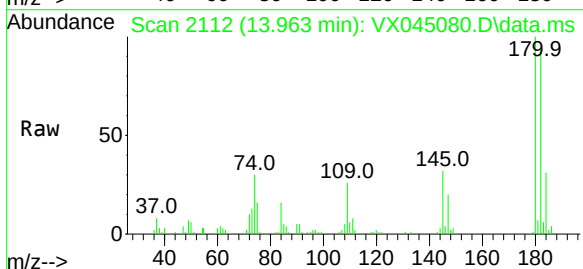
Instrument :
MSVOA_X
ClientSampleId :
VX0228WBS01

Tgt Ion:128 Resp: 106065
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.855 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045080.D
Acq: 28 Feb 2025 11:46

Tgt Ion:180 Resp: 30059
Ion Ratio Lower Upper
180 100
182 95.8 47.5 142.6
145 34.9 17.0 50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045098.D
 Acq On : 28 Feb 2025 18:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 28 23:12:43 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	101733	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181021	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151837	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79368	49.047	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.100%
35) Dibromofluoromethane	5.379	113	61111	50.487	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.980%
50) Toluene-d8	8.647	98	219202	49.952	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.900%
62) 4-Bromofluorobenzene	11.079	95	71007	48.831	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.660%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	61893	48.332	ug/l	96
3) Chloromethane	1.307	50	70827	45.195	ug/l	96
4) Vinyl Chloride	1.374	62	74859	48.152	ug/l	96
5) Bromomethane	1.593	94	26503	43.366	ug/l	99
6) Chloroethane	1.660	64	31071	43.329	ug/l	96
7) Trichlorofluoromethane	1.861	101	100933	49.043	ug/l	98
8) Diethyl Ether	2.136	74	38500	47.827	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.313	101	61197	51.757	ug/l	100
10) Methyl Iodide	2.441	142	77481	52.436	ug/l	97
11) Tert butyl alcohol	3.001	59	58663	191.387	ug/l	99
12) 1,1-Dichloroethene	2.306	96	61068	48.851	ug/l	96
13) Acrolein	2.239	56	92932	262.281	ug/l	100
14) Allyl chloride	2.654	41	112846	50.713	ug/l	99
15) Acrylonitrile	3.068	53	194959	237.322	ug/l	99
16) Acetone	2.392	43	167728	223.399	ug/l	99
17) Carbon Disulfide	2.495	76	159949	48.039	ug/l	98
18) Methyl Acetate	2.709	43	86076	47.656	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	208116	49.622	ug/l	99
20) Methylene Chloride	2.782	84	70283	47.257	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	63435	51.365	ug/l	96
22) Diisopropyl ether	3.763	45	230741	50.987	ug/l	96
23) Vinyl Acetate	3.721	43	981372	259.857	ug/l	99
24) 1,1-Dichloroethane	3.605	63	125852	49.621	ug/l	99
25) 2-Butanone	4.562	43	272874	241.451	ug/l	100
26) 2,2-Dichloropropane	4.465	77	74982	63.029	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	76889	50.434	ug/l	98
28) Bromochloromethane	4.891	49	60168	49.771	ug/l	99
29) Tetrahydrofuran	5.007	42	180661	238.042	ug/l	100
30) Chloroform	5.086	83	123972	49.194	ug/l	96
31) Cyclohexane	5.464	56	113565	51.583	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	103034	50.622	ug/l	99
36) 1,1-Dichloropropene	5.684	75	84609	50.969	ug/l	99
37) Ethyl Acetate	4.721	43	103765	48.511	ug/l	99
38) Carbon Tetrachloride	5.672	117	85957	51.004	ug/l	96
39) Methylcyclohexane	7.373	83	110750	55.680	ug/l	99
40) Benzene	6.031	78	266243	50.791	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
 Data File : VX045098.D
 Acq On : 28 Feb 2025 18:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 28 23:12:43 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	58866	50.896	ug/l	99
42) 1,2-Dichloroethane	6.086	62	94209	49.909	ug/l	100
43) Isopropyl Acetate	6.342	43	161644	51.105	ug/l	100
44) Trichloroethene	7.123	130	62206	50.539	ug/l	96
45) 1,2-Dichloropropane	7.427	63	67418	50.023	ug/l	98
46) Dibromomethane	7.580	93	48257	50.658	ug/l	100
47) Bromodichloromethane	7.818	83	93700	50.147	ug/l	99
48) Methyl methacrylate	7.690	41	79010	49.791	ug/l	99
49) 1,4-Dioxane	7.665	88	31583	943.544	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	527009	248.148	ug/l	100
52) Toluene	8.714	92	159122	51.738	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	83188	53.255	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	97016	53.261	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	61955	48.933	ug/l	98
56) Ethyl methacrylate	9.116	69	97958	50.898	ug/l	99
57) 1,3-Dichloropropane	9.305	76	107915	49.251	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	251496	267.883	ug/l	99
59) 2-Hexanone	9.433	43	389623	253.206	ug/l	100
60) Dibromochloromethane	9.519	129	65842	49.736	ug/l	99
61) 1,2-Dibromoethane	9.610	107	62692	49.600	ug/l	97
64) Tetrachloroethene	9.269	164	50788	52.227	ug/l	96
65) Chlorobenzene	10.079	112	164623	51.239	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	53906	50.382	ug/l	99
67) Ethyl Benzene	10.189	91	294898	52.678	ug/l	99
68) m/p-Xylenes	10.299	106	217787	106.271	ug/l	100
69) o-Xylene	10.640	106	105354	50.972	ug/l	100
70) Styrene	10.652	104	177099	52.954	ug/l	100
71) Bromoform	10.799	173	41684	51.664	ug/l #	98
73) Isopropylbenzene	10.957	105	274956	51.833	ug/l	100
74) N-amyl acetate	10.841	43	132916	53.399	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	96646	49.649	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	97322	61.525	ug/l	86
77) Bromobenzene	11.195	156	62546	49.973	ug/l	100
78) n-propylbenzene	11.299	91	316831	52.873	ug/l	100
79) 2-Chlorotoluene	11.360	91	189914	49.764	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	221858	51.725	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	22598	48.890	ug/l	95
82) 4-Chlorotoluene	11.451	91	213820	51.409	ug/l	100
83) tert-Butylbenzene	11.713	119	222604	50.511	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	226285	52.432	ug/l	100
85) sec-Butylbenzene	11.890	105	280591	53.152	ug/l	99
86) p-Isopropyltoluene	12.006	119	227625	53.355	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	113992	51.054	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	112871	49.967	ug/l	99
89) n-Butylbenzene	12.329	91	202412	55.087	ug/l	99
90) Hexachloroethane	12.536	117	39104	50.675	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	114225	50.999	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19590	51.657	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	69773	54.709	ug/l	99
94) Hexachlorobutadiene	13.725	225	27166	51.956	ug/l	99
95) Naphthalene	13.774	128	267416	54.575	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	72423	53.829	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045098.D
Acq On : 28 Feb 2025 18:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

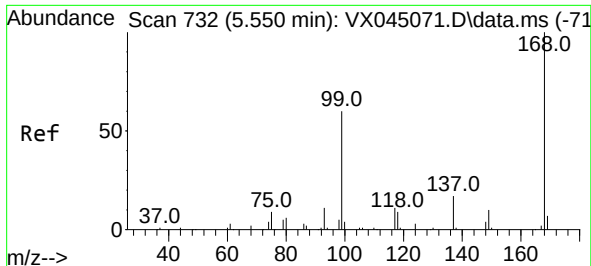
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MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Feb 28 23:12:43 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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

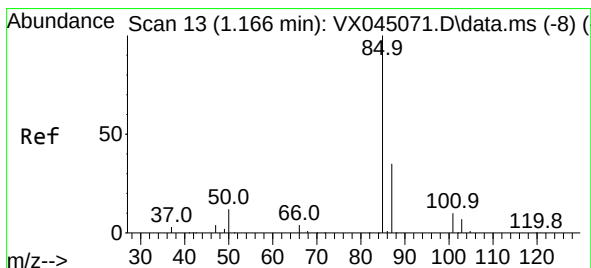
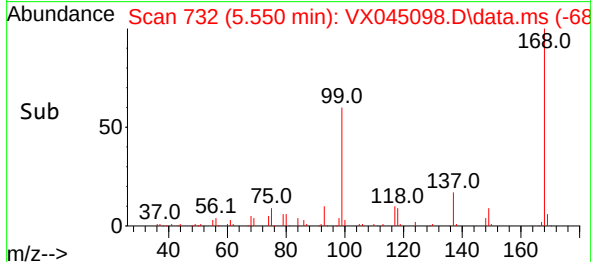
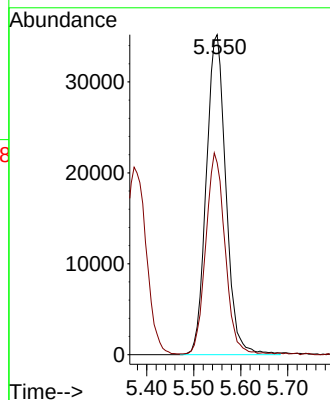
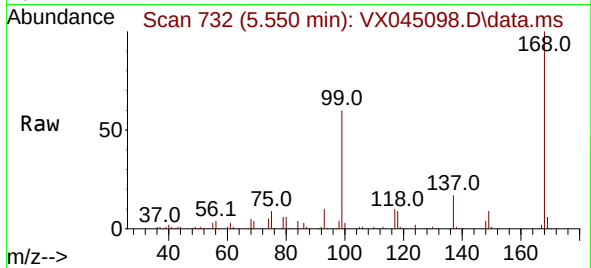
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- 2
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- 15
- 16
- 17



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

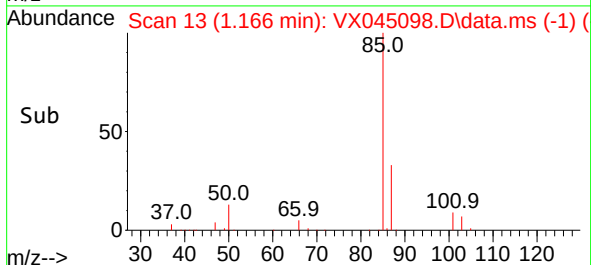
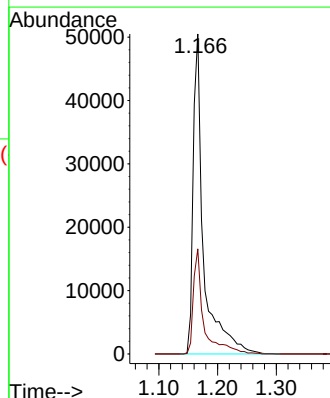
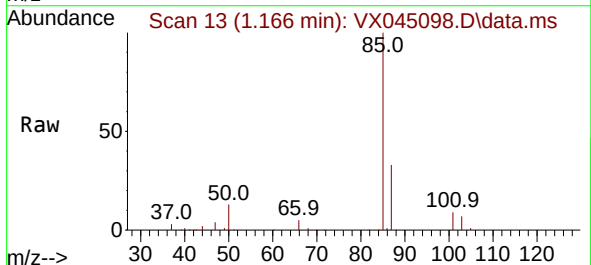
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

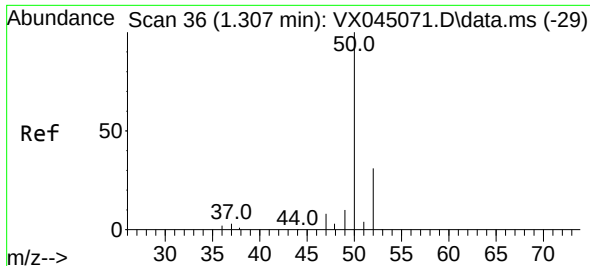
Tgt Ion:168 Resp: 101733
Ion Ratio Lower Upper
168 100
99 59.7 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 48.332 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 85 Resp: 61893
Ion Ratio Lower Upper
85 100
87 32.9 17.4 52.3

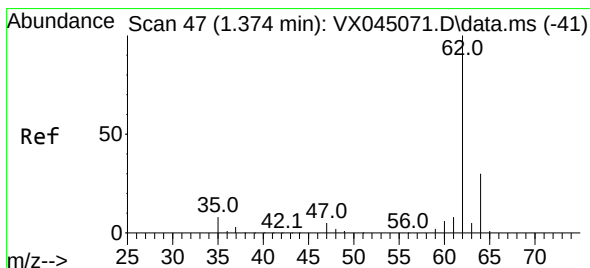
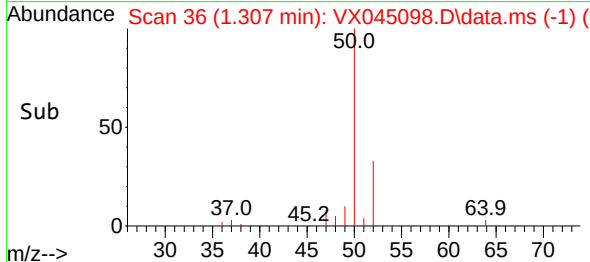
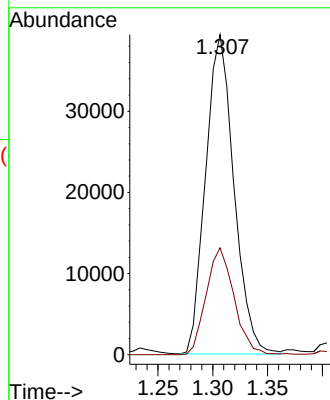
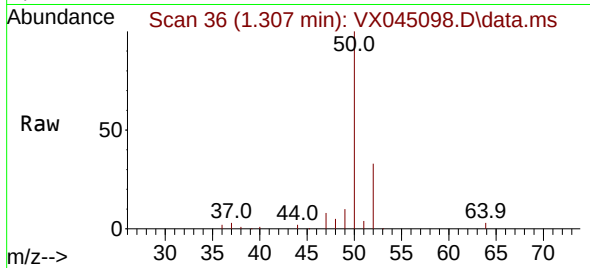




#3
Chloromethane
Concen: 45.195 ug/l
RT: 1.307 min Scan# 30
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

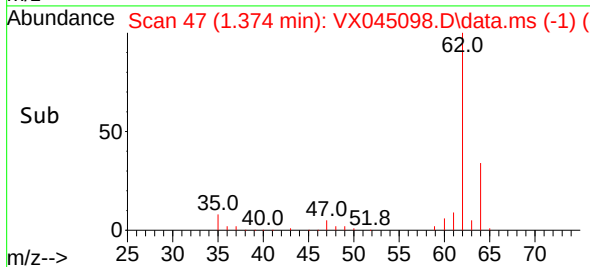
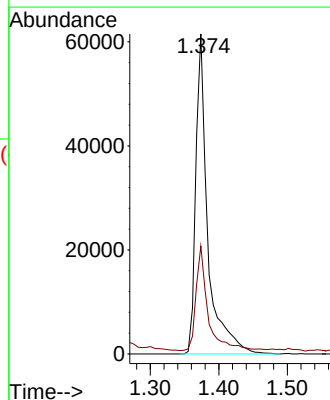
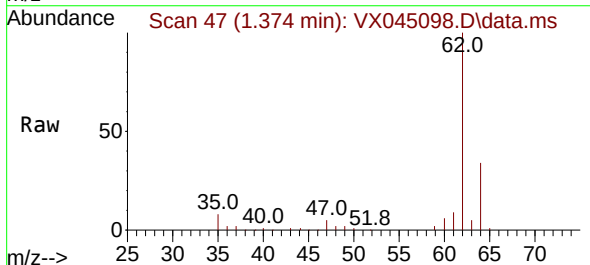
Instrument :
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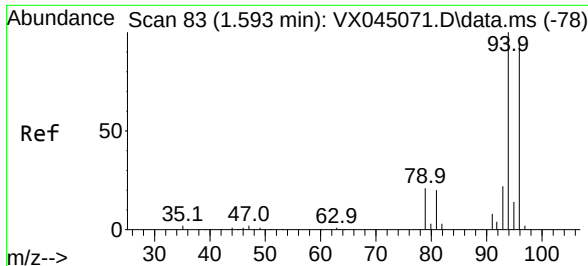
Tgt Ion: 50 Resp: 70827
Ion Ratio Lower Upper
50 100
52 33.5 25.0 37.4



#4
Vinyl Chloride
Concen: 48.152 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 62 Resp: 74859
Ion Ratio Lower Upper
62 100
64 32.7 24.3 36.5

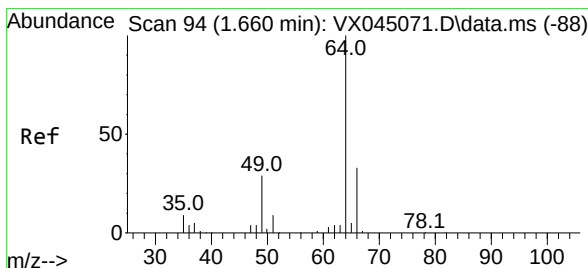
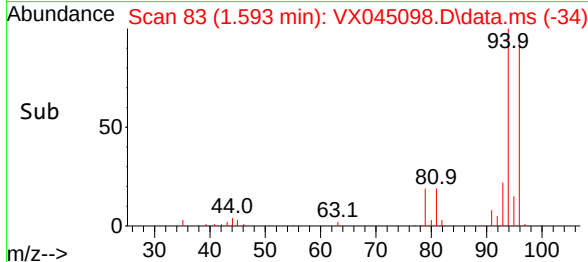
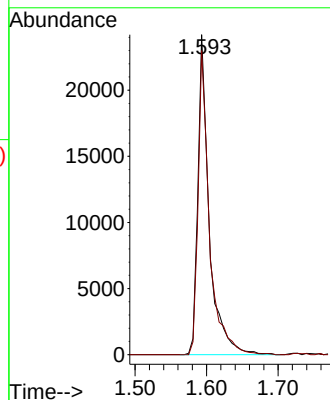
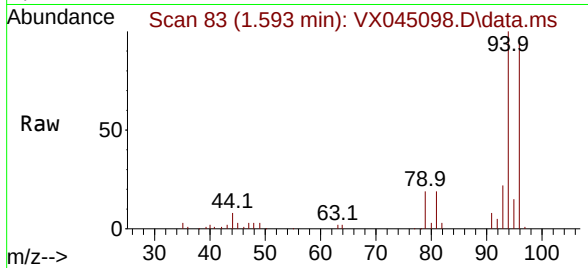




#5
Bromomethane
Concen: 43.366 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

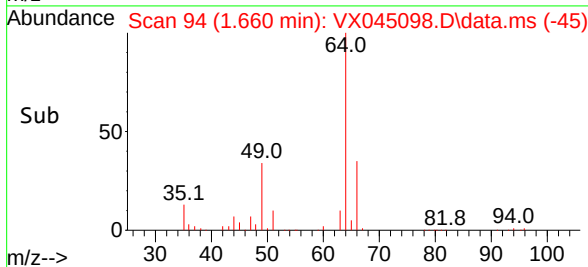
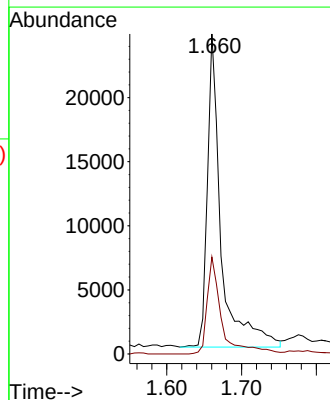
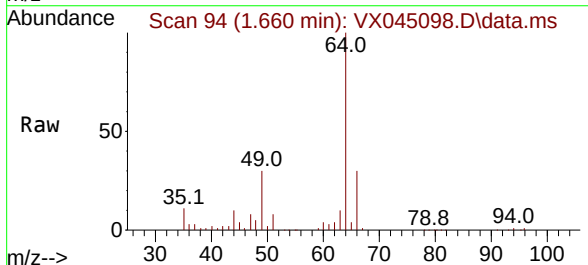
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ClientSampleId :
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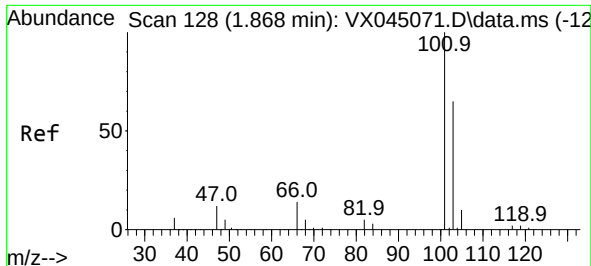
Tgt Ion: 94 Resp: 26503
Ion Ratio Lower Upper
94 100
96 95.0 75.0 112.4



#6
Chloroethane
Concen: 43.329 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 64 Resp: 31071
Ion Ratio Lower Upper
64 100
66 31.0 26.7 40.1

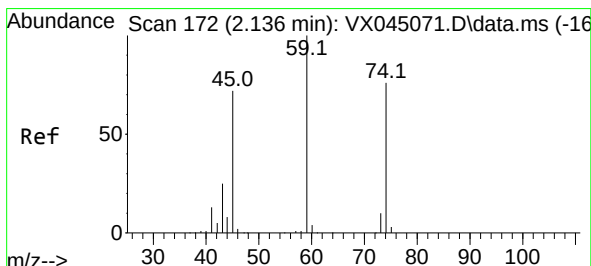
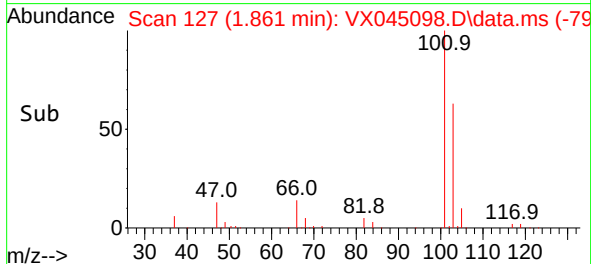
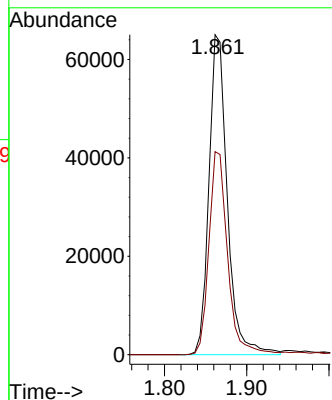
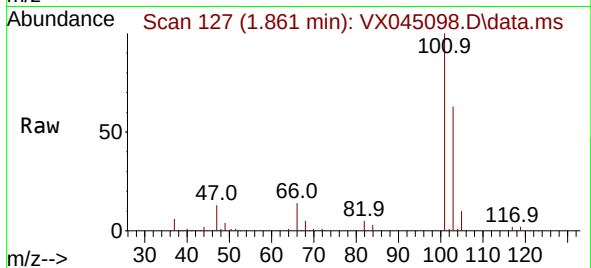




#7
Trichlorofluoromethane
Concen: 49.043 ug/l
RT: 1.861 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

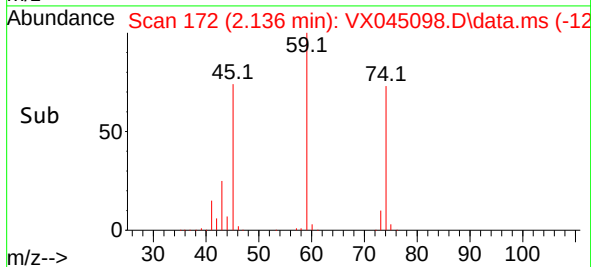
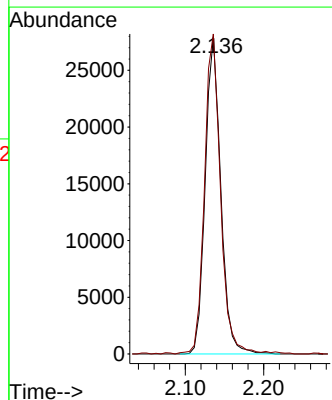
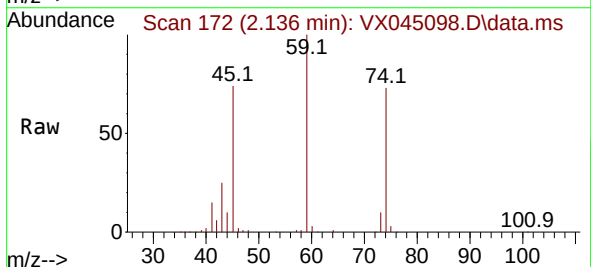
Instrument :
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ClientSampleId :
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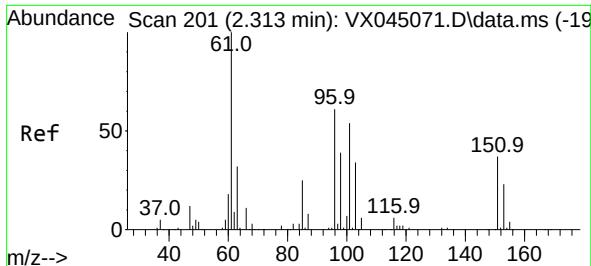
Tgt Ion:101 Resp: 100933
Ion Ratio Lower Upper
101 100
103 63.5 52.1 78.1



#8
Diethyl Ether
Concen: 47.827 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 74 Resp: 38500
Ion Ratio Lower Upper
74 100
45 103.2 51.5 154.5

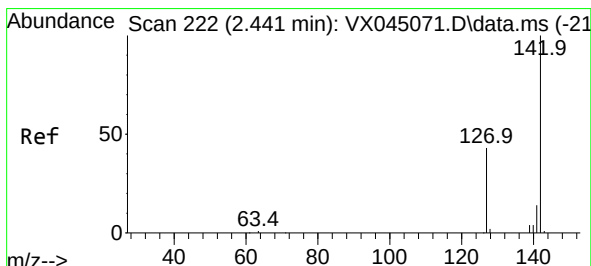
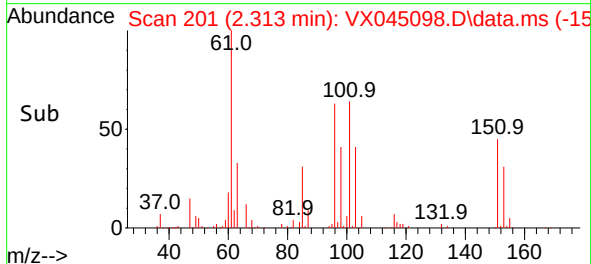
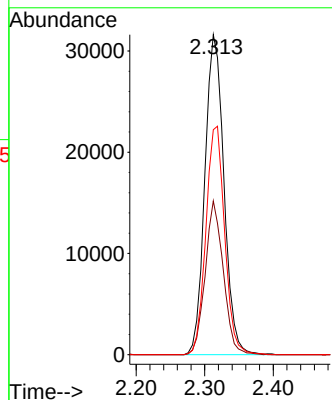
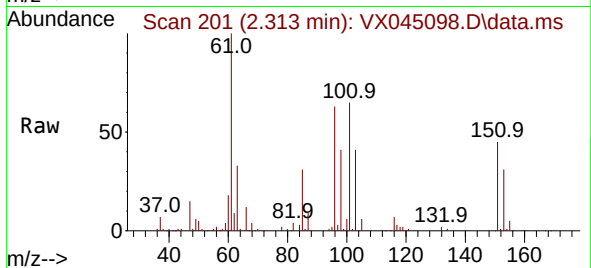




#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.757 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

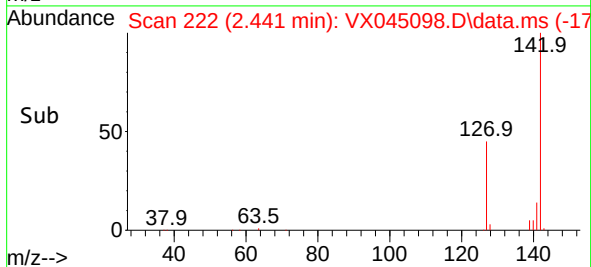
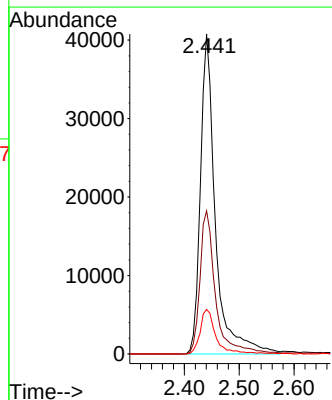
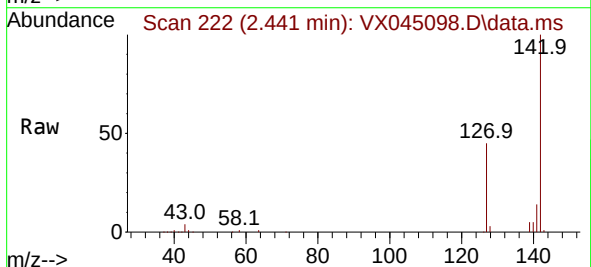
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ClientSampleId :
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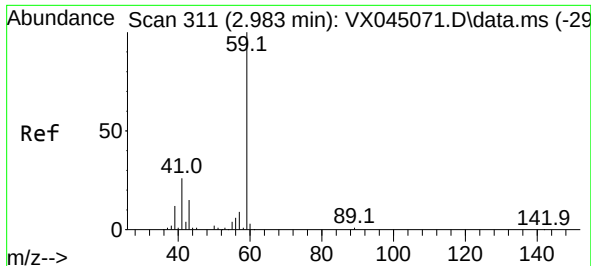
Tgt Ion:101 Resp: 61197
Ion Ratio Lower Upper
101 100
85 45.7 36.2 54.4
151 70.5 56.4 84.6



#10
Methyl Iodide
Concen: 52.436 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:142 Resp: 77481
Ion Ratio Lower Upper
142 100
127 46.5 35.4 53.2
141 14.8 11.6 17.4

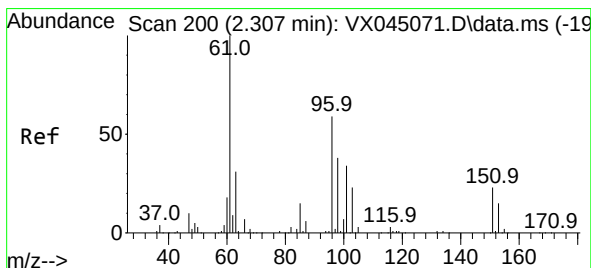
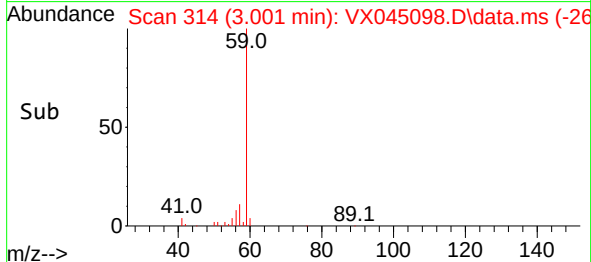
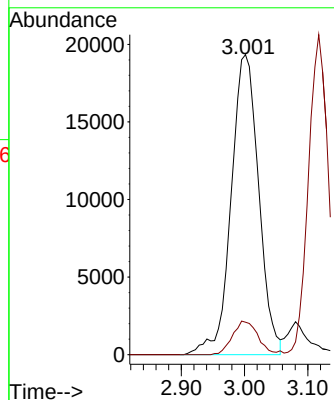
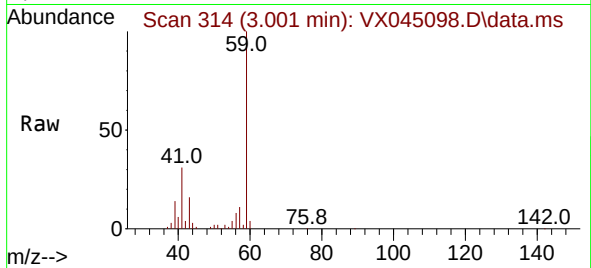




#11
Tert butyl alcohol
Concen: 191.387 ug/l
RT: 3.001 min Scan# 311
Delta R.T. 0.018 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

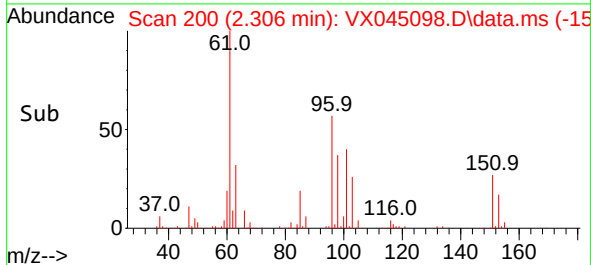
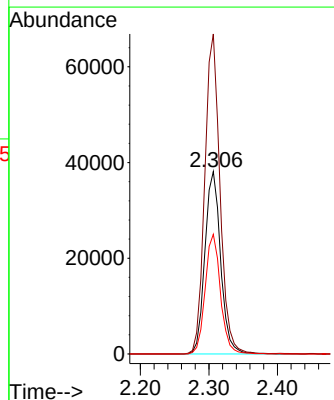
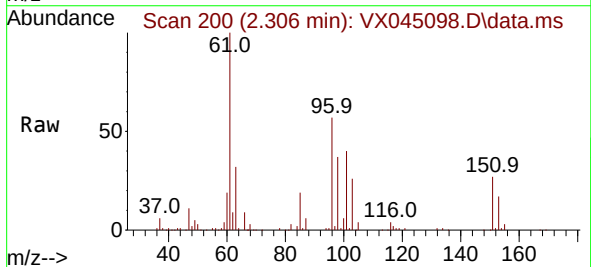
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

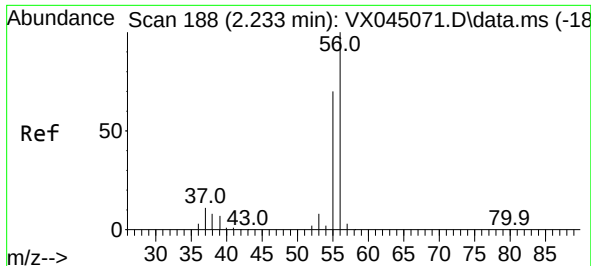
Tgt Ion: 59 Resp: 58663
Ion Ratio Lower Upper
59 100
57 10.3 7.8 11.8



#12
1,1-Dichloroethene
Concen: 48.851 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 96 Resp: 61068
Ion Ratio Lower Upper
96 100
61 175.4 134.6 202.0
98 65.6 51.0 76.6

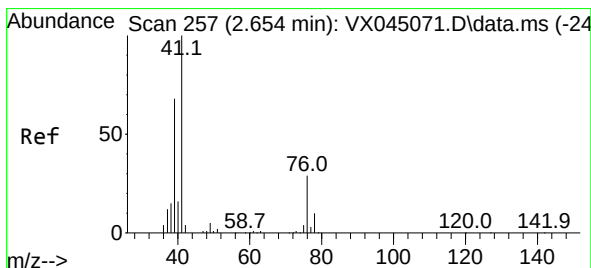
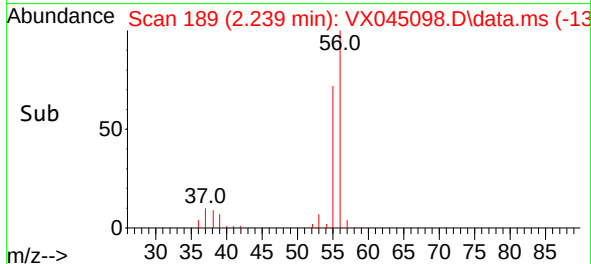
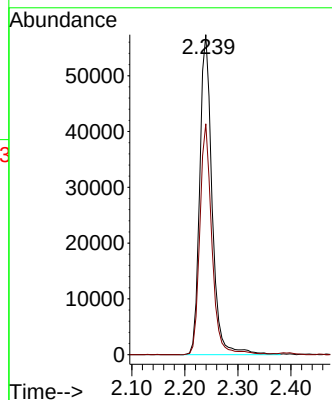
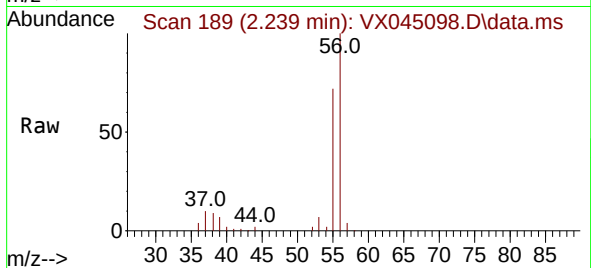




#13
Acrolein
Concen: 262.281 ug/l
RT: 2.239 min Scan# 188
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

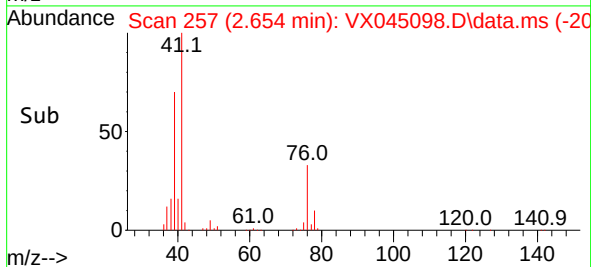
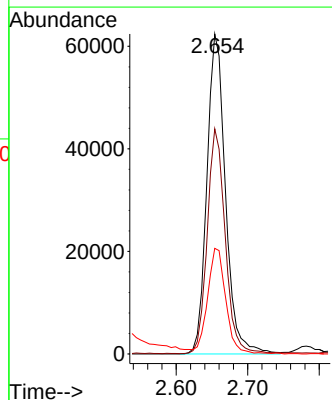
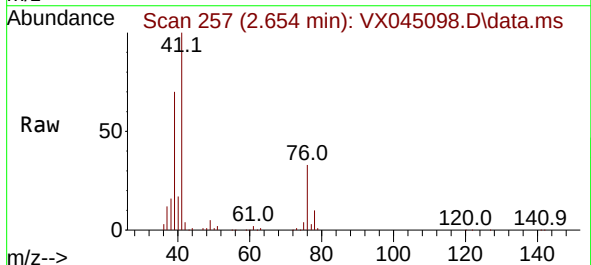
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

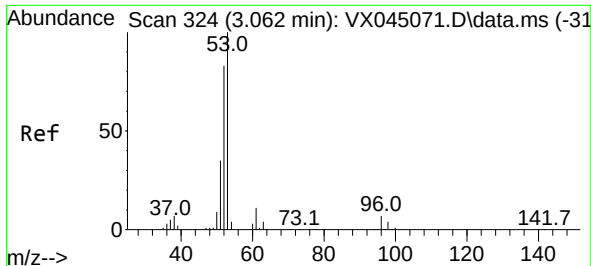
Tgt Ion: 56 Resp: 92932
Ion Ratio Lower Upper
56 100
55 70.5 56.2 84.4



#14
Allyl chloride
Concen: 50.713 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 41 Resp: 112846
Ion Ratio Lower Upper
41 100
39 67.8 53.8 80.8
76 32.4 25.2 37.8

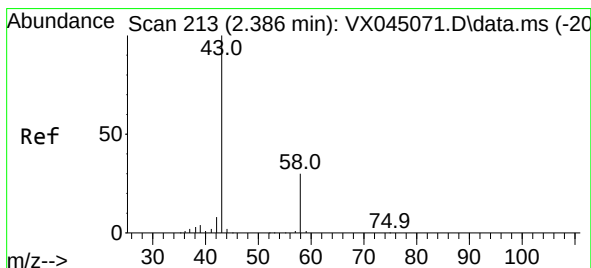
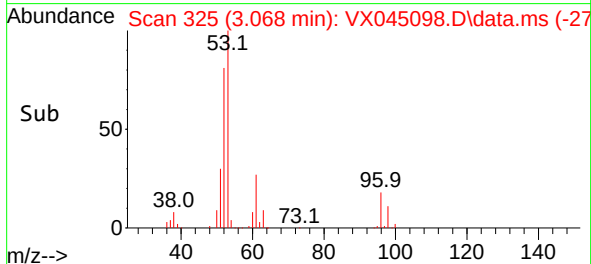
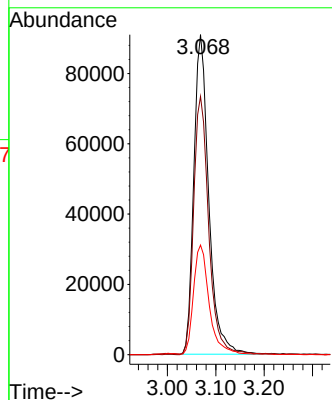
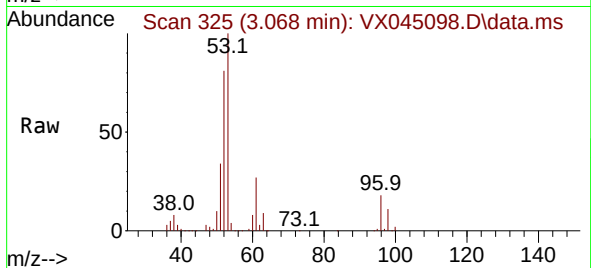




#15
Acrylonitrile
Concen: 237.322 ug/l
RT: 3.068 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

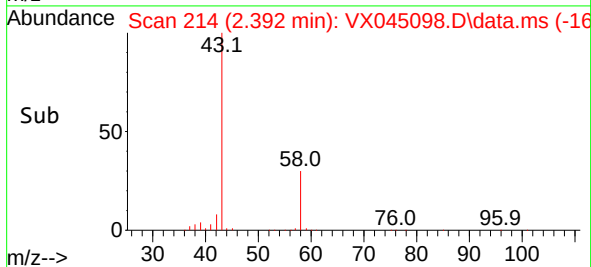
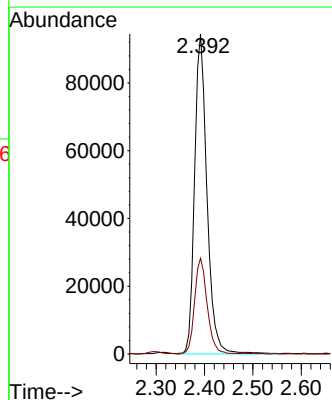
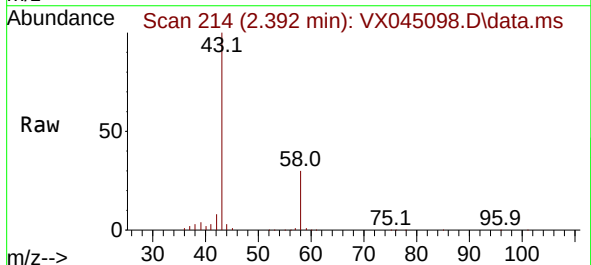
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

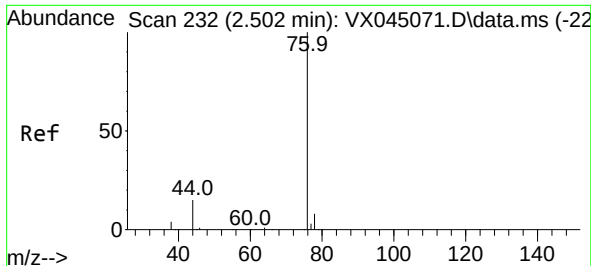
Tgt Ion: 53 Resp: 194959
Ion Ratio Lower Upper
53 100
52 81.7 66.2 99.2
51 36.2 29.0 43.4



#16
Acetone
Concen: 223.399 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 43 Resp: 167728
Ion Ratio Lower Upper
43 100
58 29.9 24.2 36.4

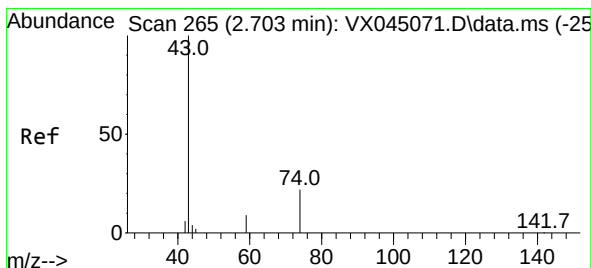
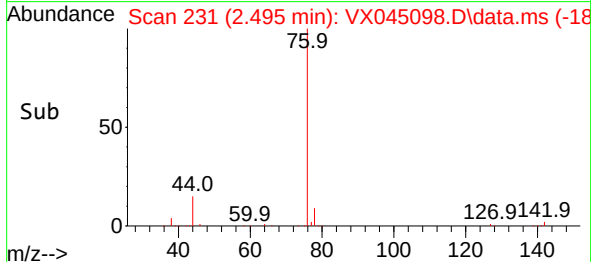
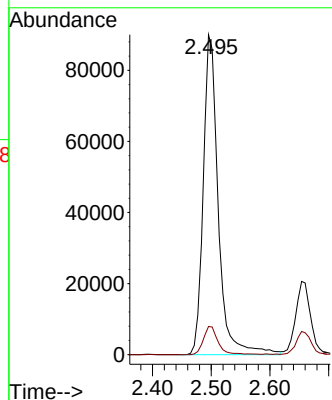
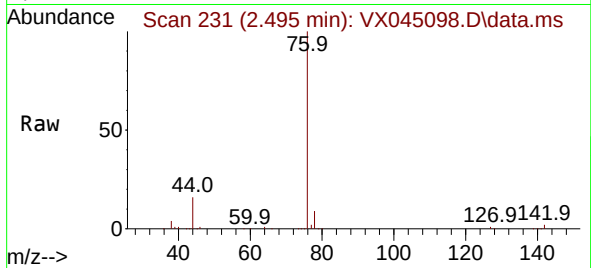




#17
Carbon Disulfide
Concen: 48.039 ug/l
RT: 2.495 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

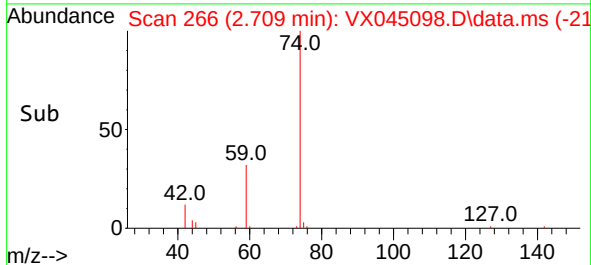
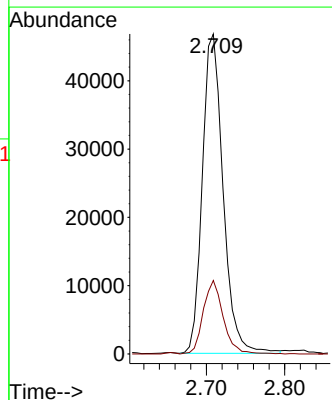
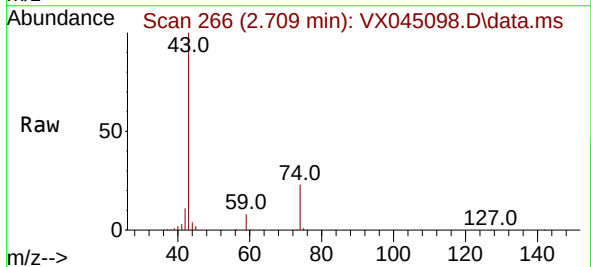
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

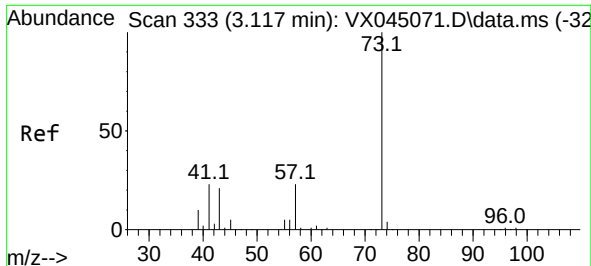
Tgt Ion: 76 Resp: 159949
Ion Ratio Lower Upper
76 100
78 8.8 6.6 9.8



#18
Methyl Acetate
Concen: 47.656 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 43 Resp: 86076
Ion Ratio Lower Upper
43 100
74 22.2 17.4 26.2

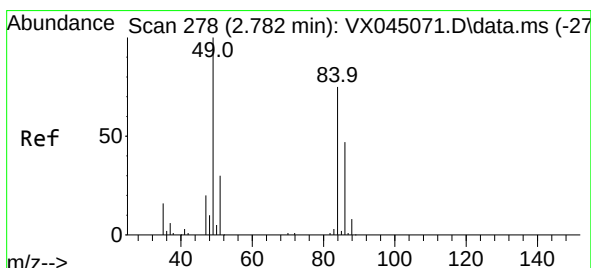
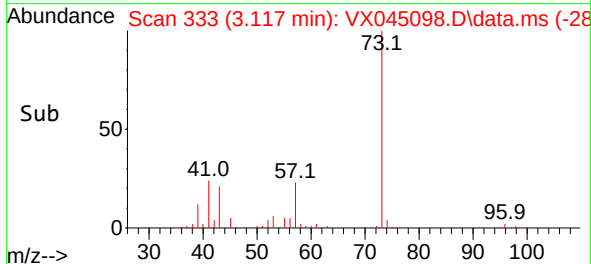
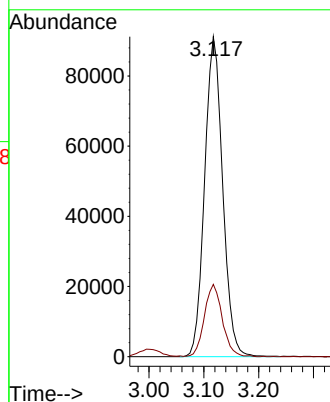
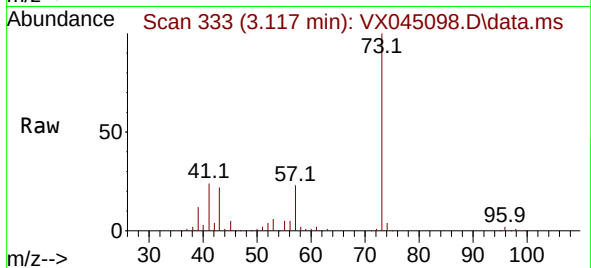




#19
Methyl tert-butyl Ether
Concen: 49.622 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

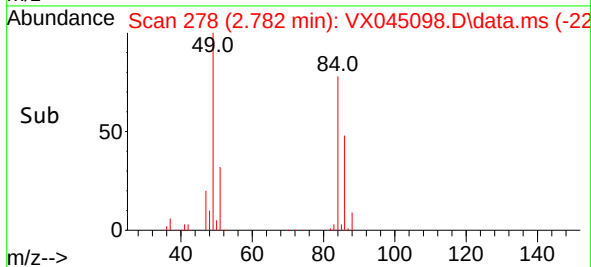
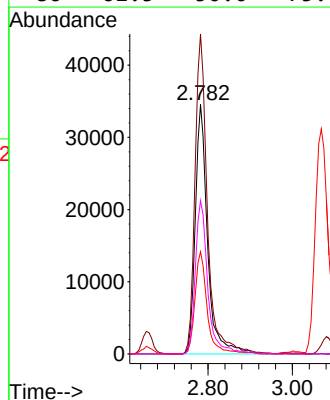
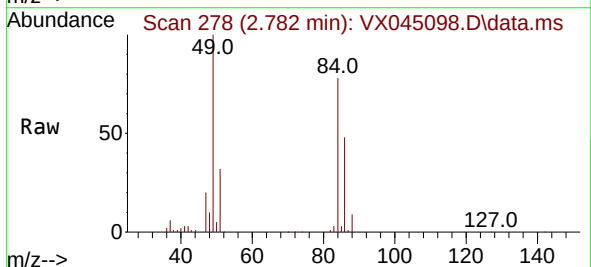
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

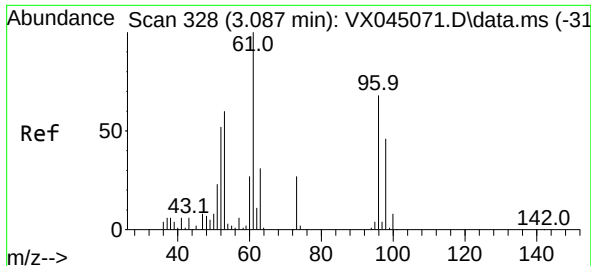
Tgt Ion: 73 Resp: 208116
Ion Ratio Lower Upper
73 100
57 22.6 18.5 27.7



#20
Methylene Chloride
Concen: 47.257 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 84 Resp: 70283
Ion Ratio Lower Upper
84 100
49 128.3 106.5 159.7
51 41.0 32.1 48.1
86 61.5 50.0 75.0

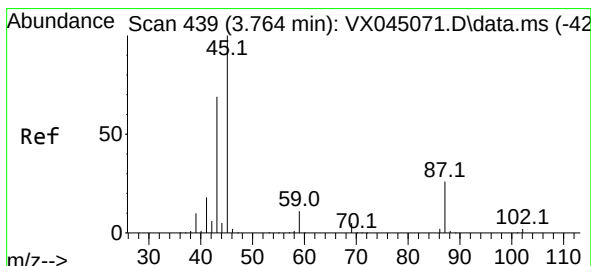
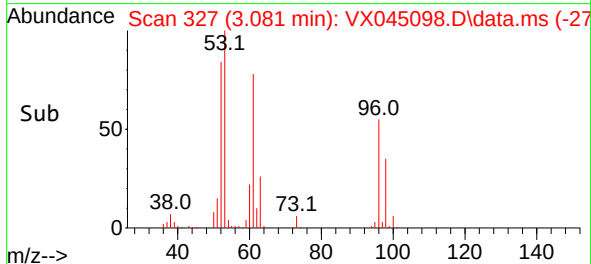
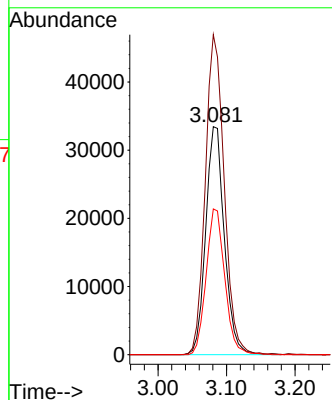
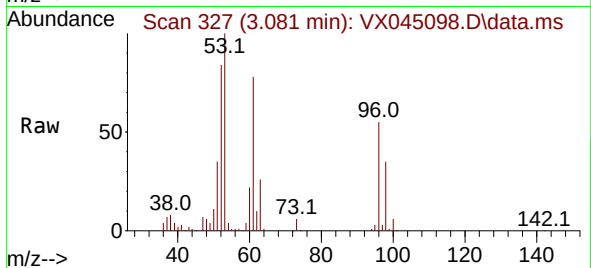




#21
trans-1,2-Dichloroethene
Concen: 51.365 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

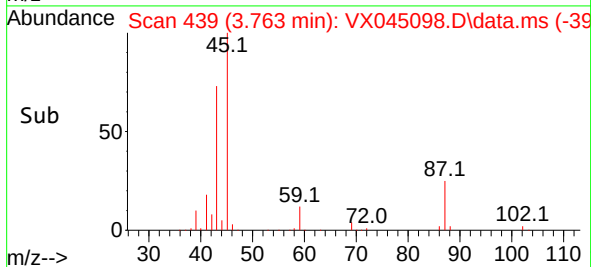
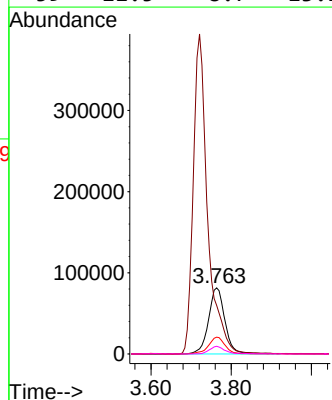
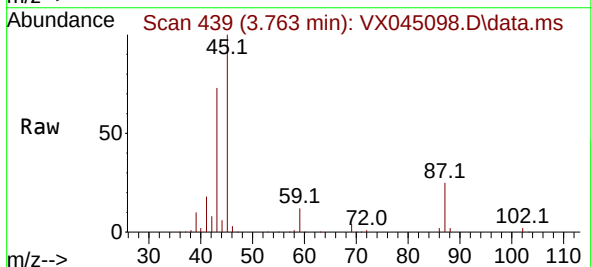
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

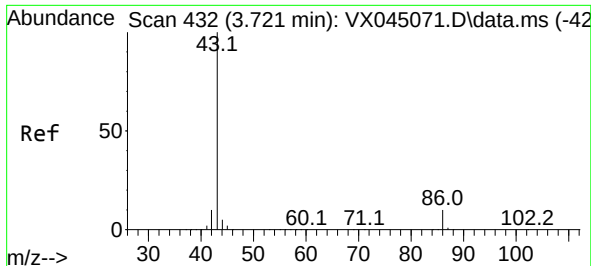
Tgt Ion: 96 Resp: 63435
Ion Ratio Lower Upper
96 100
61 140.3 117.0 175.4
98 63.9 53.4 80.2



#22
Diisopropyl ether
Concen: 50.987 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 45 Resp: 230741
Ion Ratio Lower Upper
45 100
43 73.1 54.9 82.3
87 25.3 21.0 31.4
59 11.5 8.7 13.1

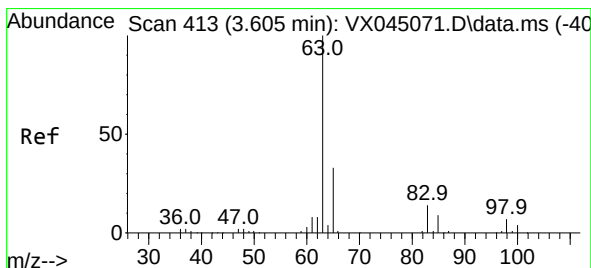
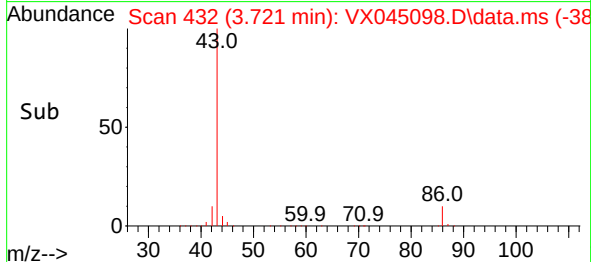
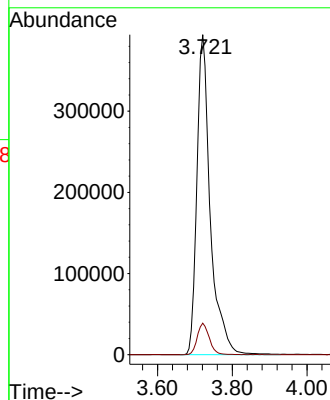
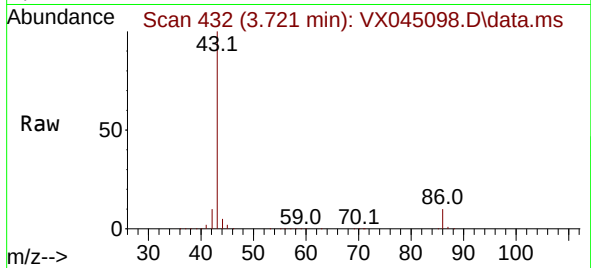




#23
 Vinyl Acetate
 Concen: 259.857 ug/l
 RT: 3.721 min Scan# 413
 Delta R.T. -0.000 min
 Lab File: VX045098.D
 Acq: 28 Feb 2025 18:50

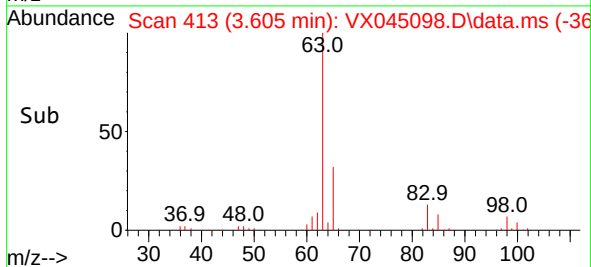
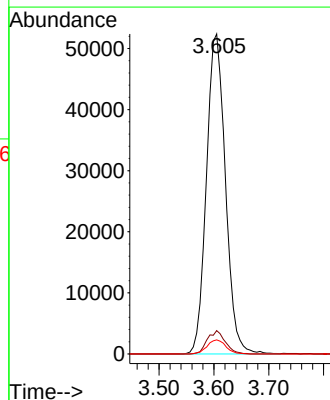
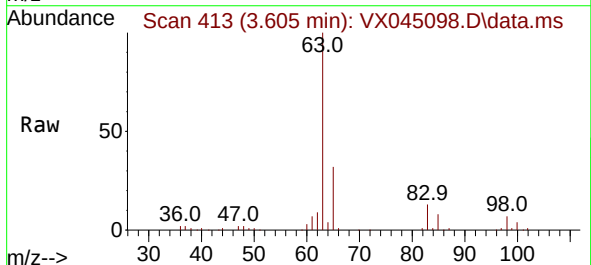
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

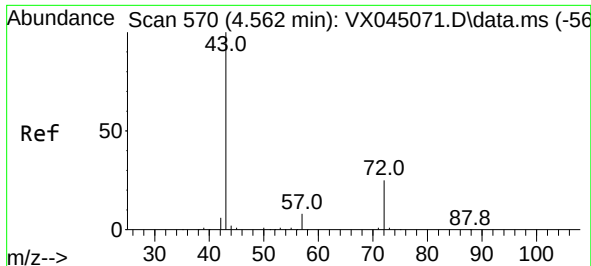
Tgt Ion: 43 Resp: 981372
 Ion Ratio Lower Upper
 43 100
 86 9.8 8.1 12.1



#24
 1,1-Dichloroethane
 Concen: 49.621 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. -0.000 min
 Lab File: VX045098.D
 Acq: 28 Feb 2025 18:50

Tgt Ion: 63 Resp: 125852
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.4 10.2
 100 4.4 2.1 6.5

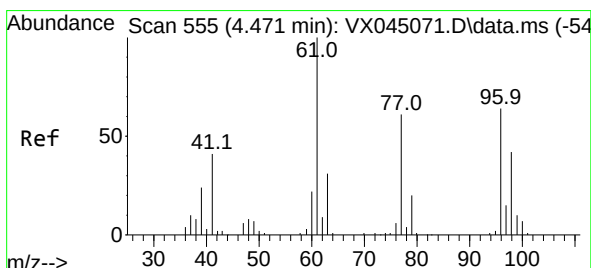
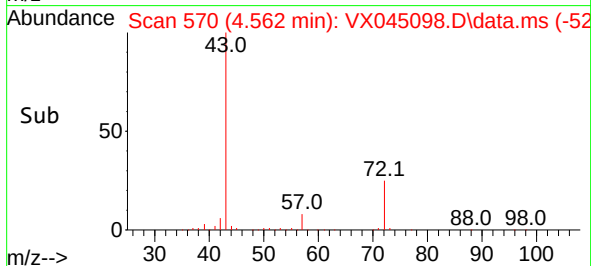
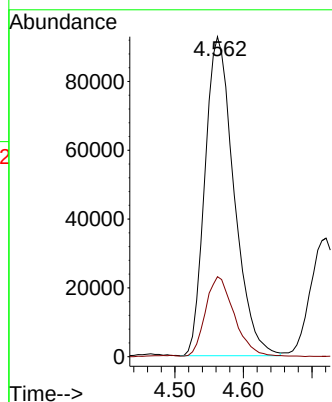
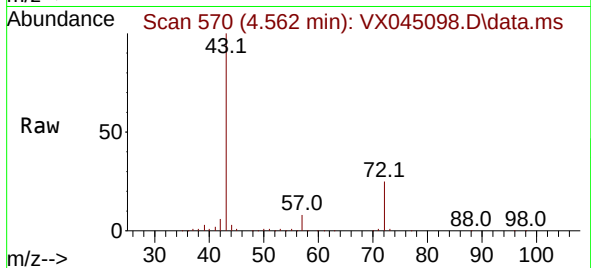




#25
2-Butanone
Concen: 241.451 ug/l
RT: 4.562 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

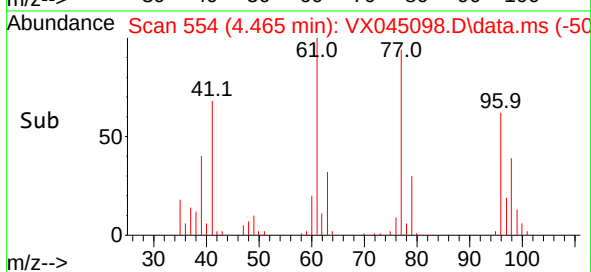
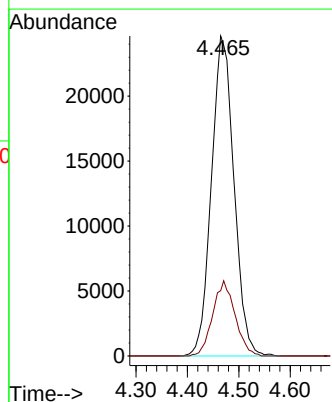
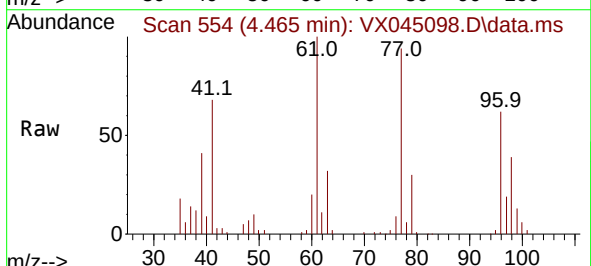
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

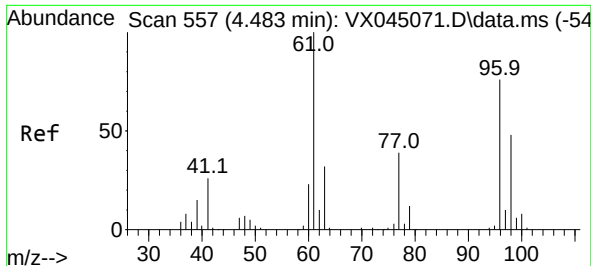
Tgt Ion: 43 Resp: 272874
Ion Ratio Lower Upper
43 100
72 24.9 20.0 30.0



#26
2,2-Dichloropropane
Concen: 63.029 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 77 Resp: 74982
Ion Ratio Lower Upper
77 100
97 23.3 12.4 37.0

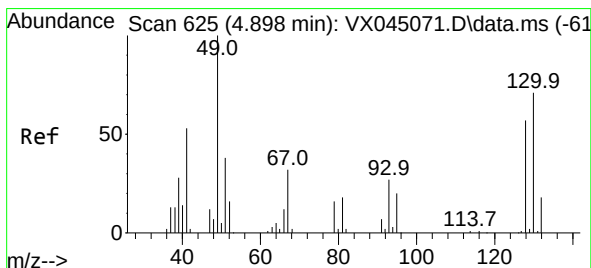
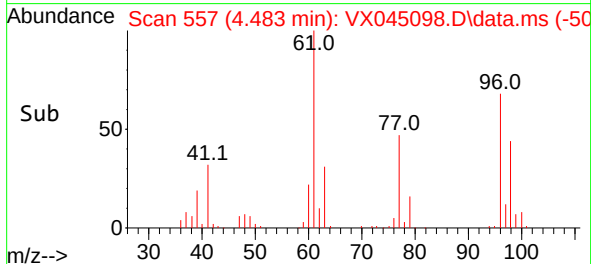
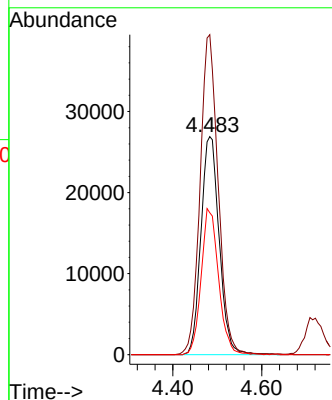
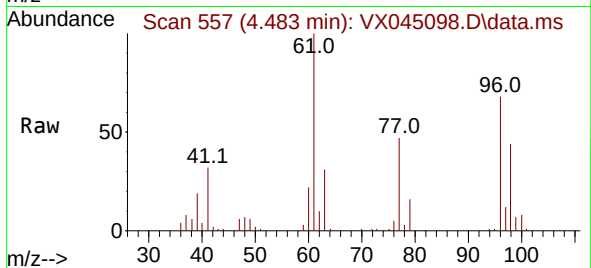




#27
cis-1,2-Dichloroethene
Concen: 50.434 ug/l
RT: 4.483 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

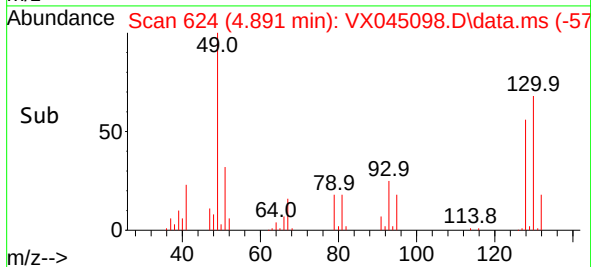
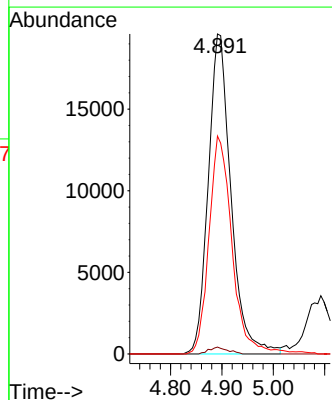
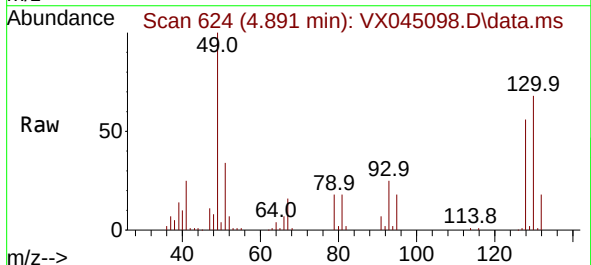
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

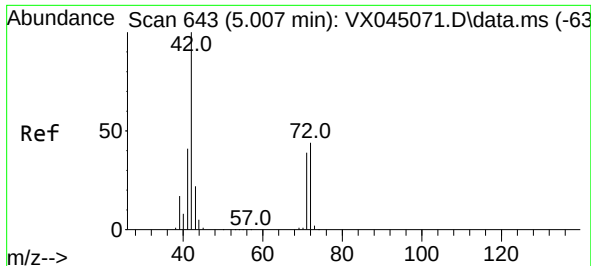
Tgt Ion:	96	Resp:	76889
Ion	Ratio	Lower	Upper
96	100		
61	145.6	0.0	283.2
98	64.0	0.0	128.0



#28
Bromochloromethane
Concen: 49.771 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:	49	Resp:	60168
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	69.0	56.1	84.1





#29

Tetrahydrofuran

Concen: 238.042 ug/l

RT: 5.007 min Scan# 643

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

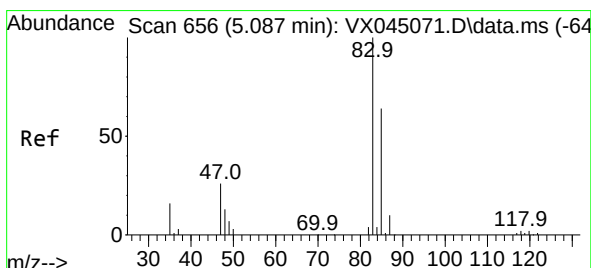
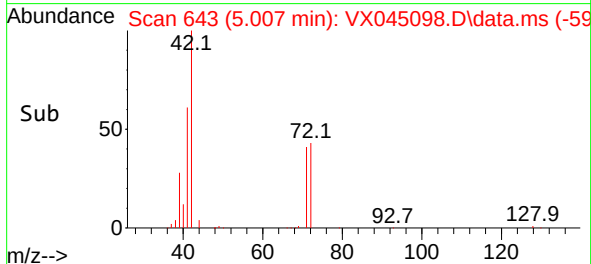
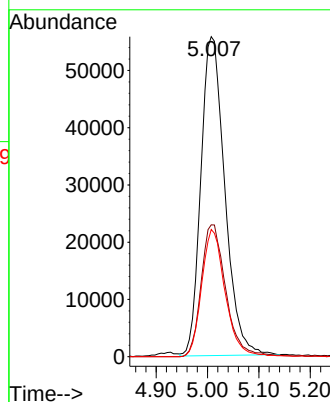
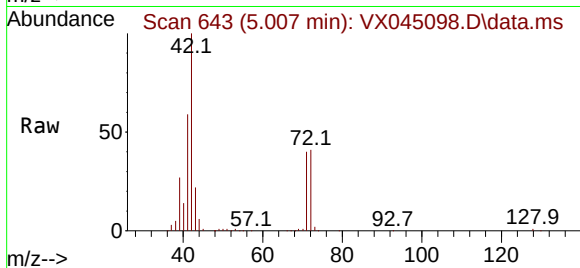
Tgt Ion: 42 Resp: 180661

Ion Ratio Lower Upper

42 100

72 42.6 34.1 51.1

71 39.1 31.4 47.0



#30

Chloroform

Concen: 49.194 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.000 min

Lab File: VX045098.D

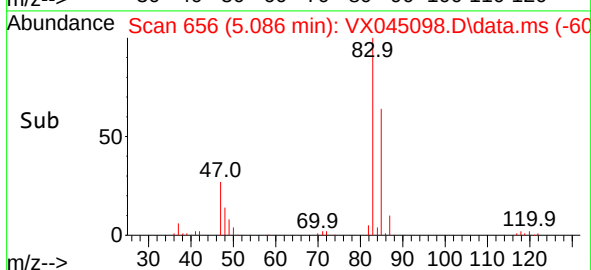
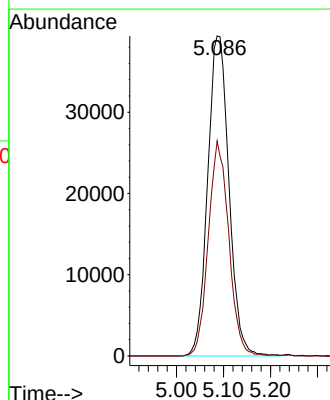
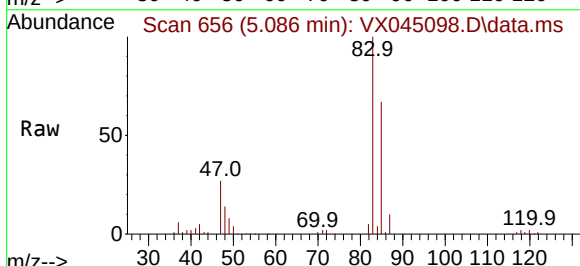
Acq: 28 Feb 2025 18:50

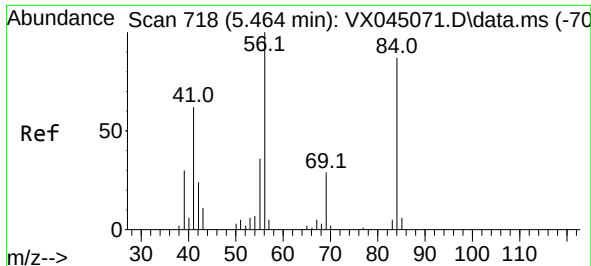
Tgt Ion: 83 Resp: 123972

Ion Ratio Lower Upper

83 100

85 67.2 51.4 77.2

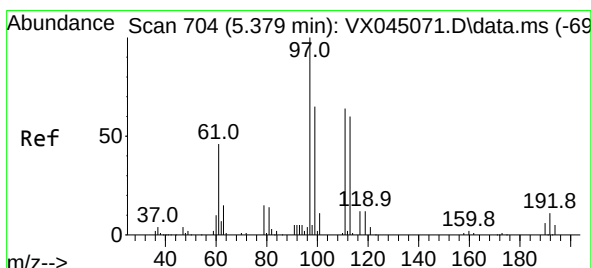
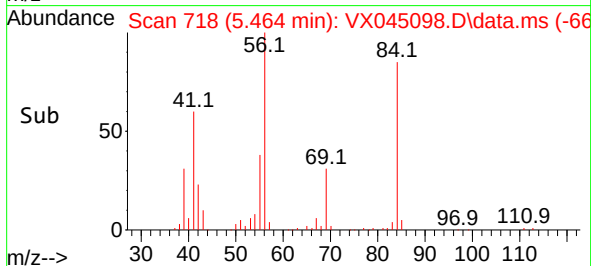
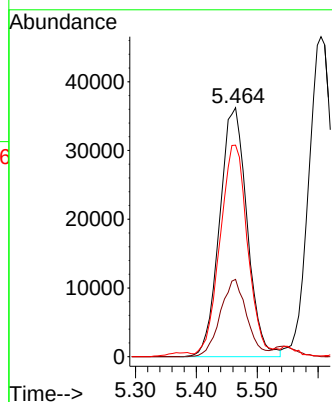
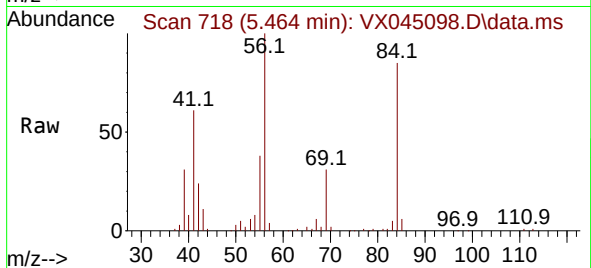




#31
Cyclohexane
Concen: 51.583 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

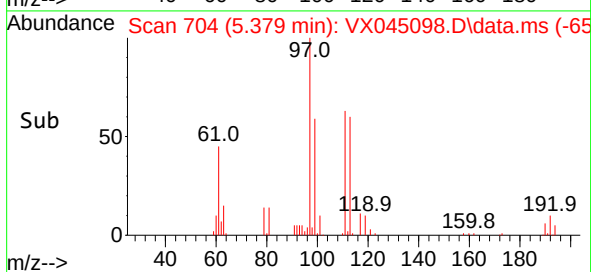
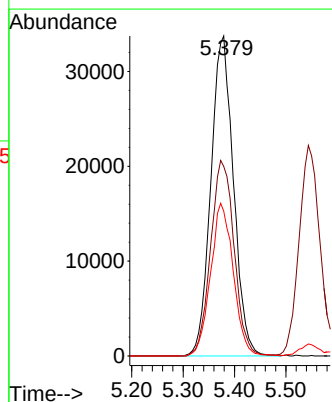
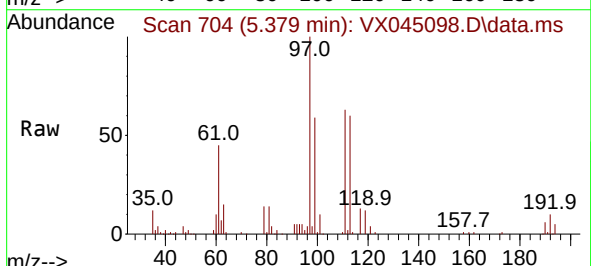
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

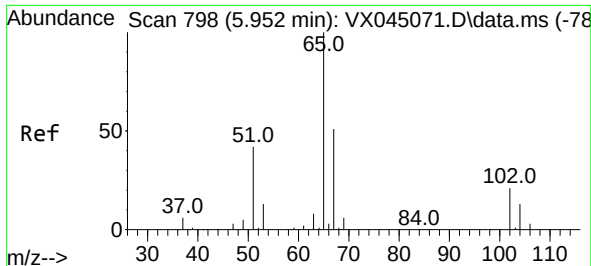
Tgt Ion: 56 Resp: 113565
Ion Ratio Lower Upper
56 100
69 31.1 23.4 35.2
84 83.5 69.4 104.2



#32
1,1,1-Trichloroethane
Concen: 50.622 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 97 Resp: 103034
Ion Ratio Lower Upper
97 100
99 63.6 51.6 77.4
61 48.0 38.4 57.6





#33

1,2-Dichloroethane-d4

Concen: 49.047 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

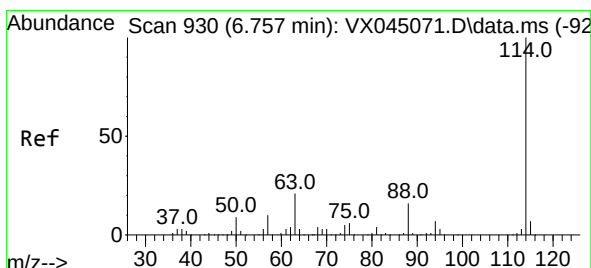
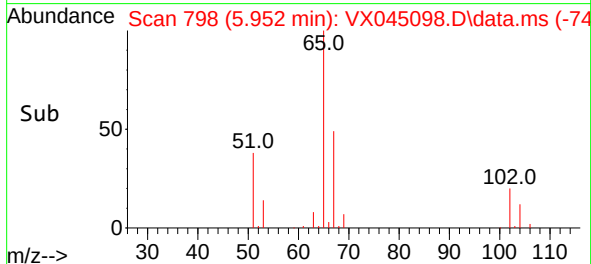
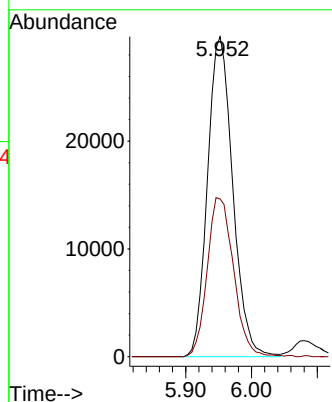
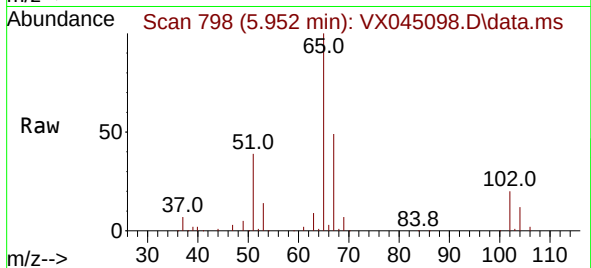
VSTDCCC050EC

Tgt Ion: 65 Resp: 79368

Ion Ratio Lower Upper

65 100

67 51.7 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: VX045098.D

Acq: 28 Feb 2025 18:50

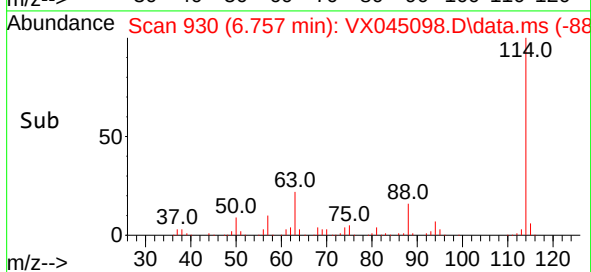
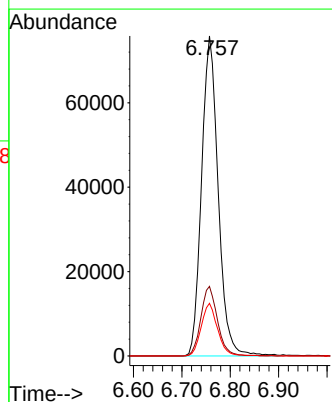
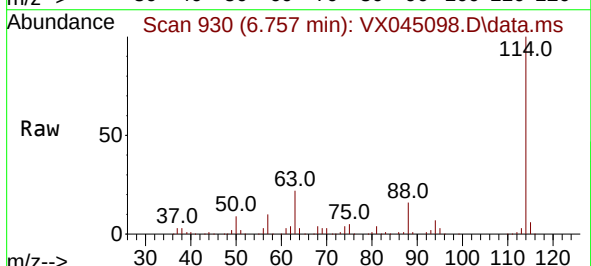
Tgt Ion: 114 Resp: 181021

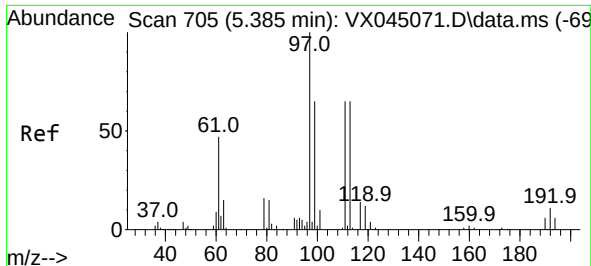
Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.8

88 16.5 0.0 32.8

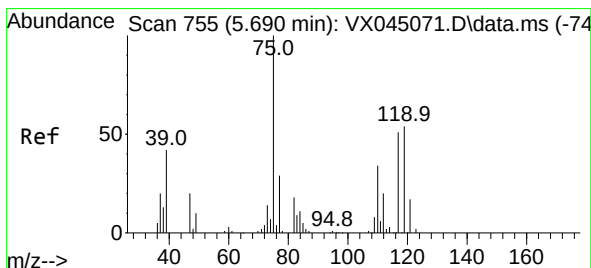
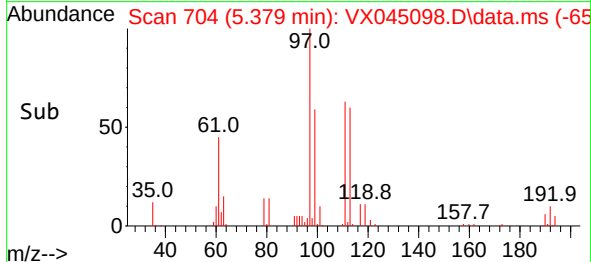
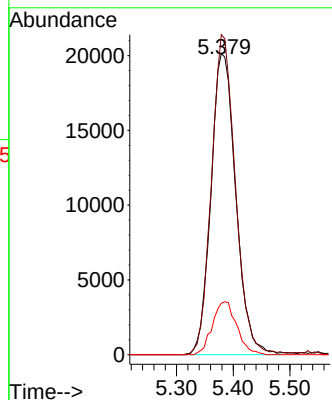
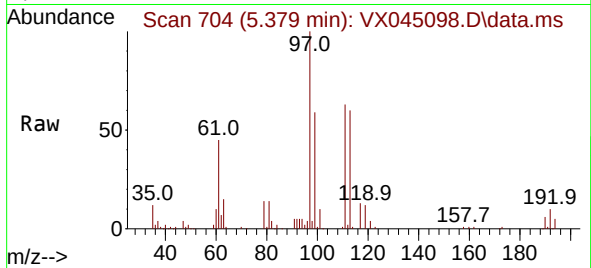




#35
Dibromofluoromethane
Concen: 50.487 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

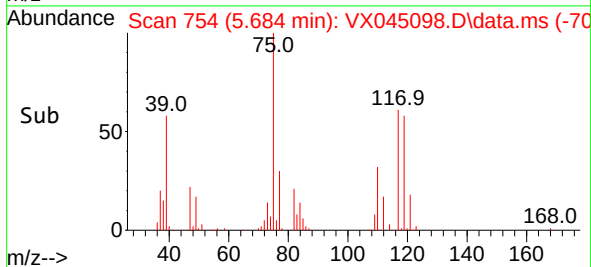
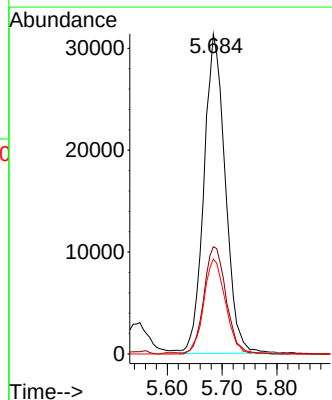
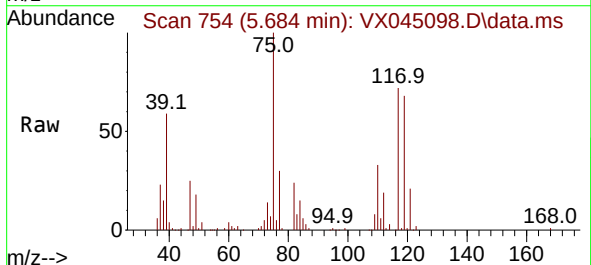
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

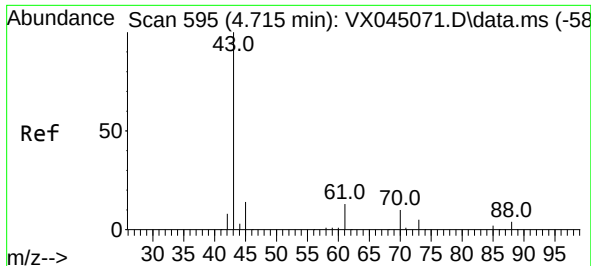
Tgt Ion:113 Resp: 61111
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.6
192 17.3 14.3 21.5



#36
1,1-Dichloropropene
Concen: 50.969 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 75 Resp: 84609
Ion Ratio Lower Upper
75 100
110 34.8 16.9 50.6
77 30.4 24.5 36.7



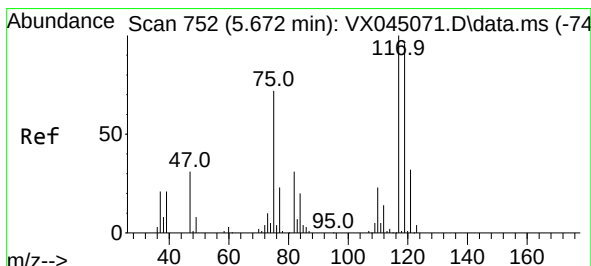
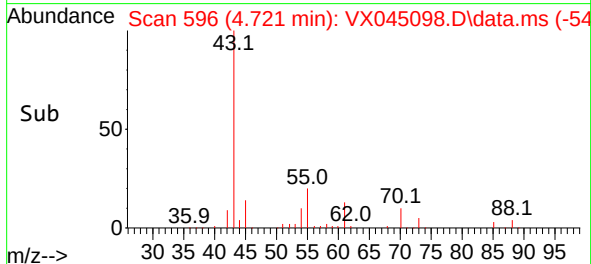
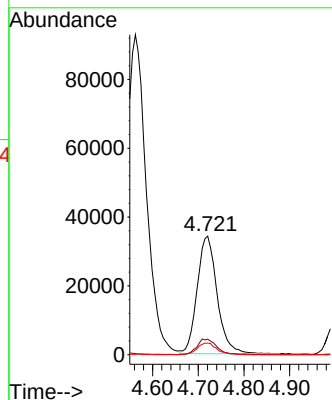
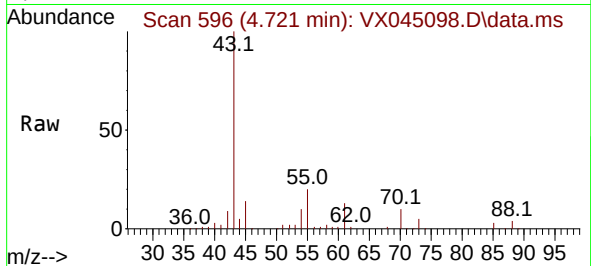


#37
Ethyl Acetate
Concen: 48.511 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 103765

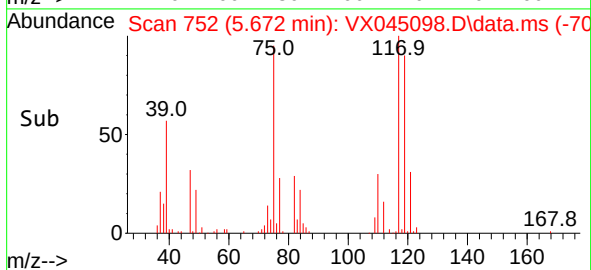
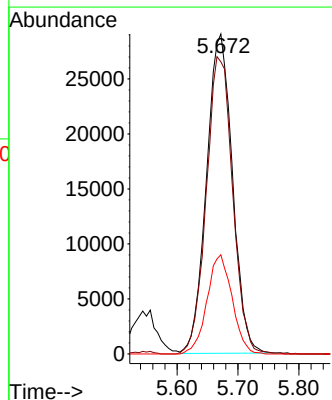
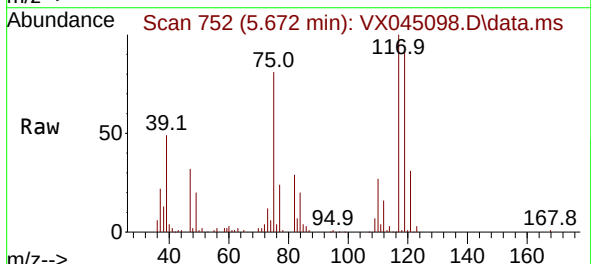
Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.8	16.2
70	9.7	7.7	11.5

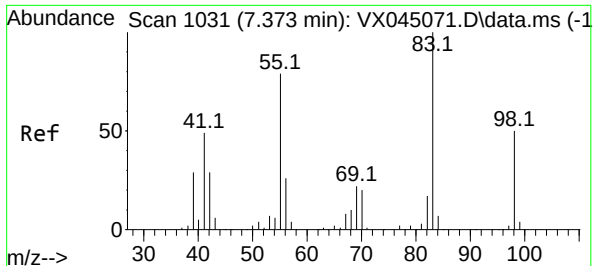


#38
Carbon Tetrachloride
Concen: 51.004 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 117 Resp: 85957

Ion	Ratio	Lower	Upper
117	100		
119	91.2	76.7	115.1
121	31.1	25.5	38.3





#39

Methylcyclohexane

Concen: 55.680 ug/l

RT: 7.373 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

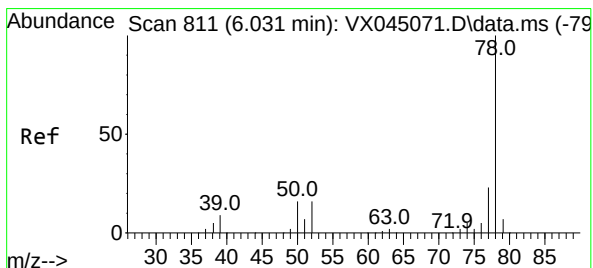
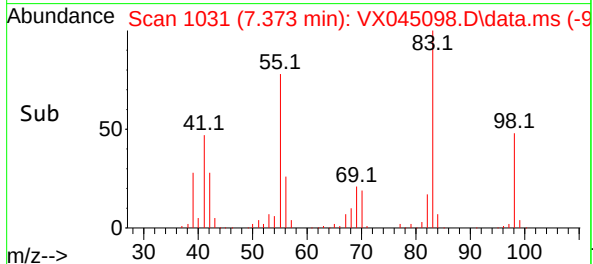
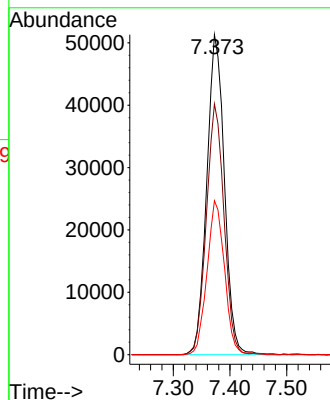
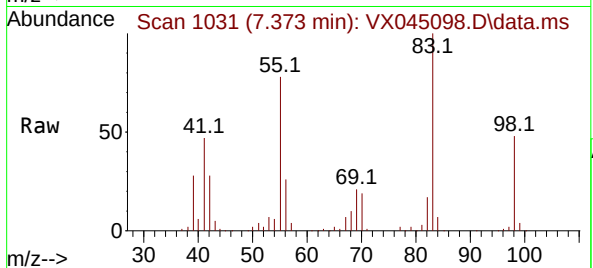
Tgt Ion: 83 Resp: 110750

Ion Ratio Lower Upper

83 100

55 78.4 63.0 94.4

98 48.1 39.7 59.5



#40

Benzene

Concen: 50.791 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX045098.D

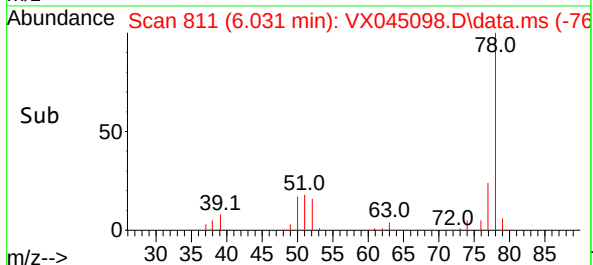
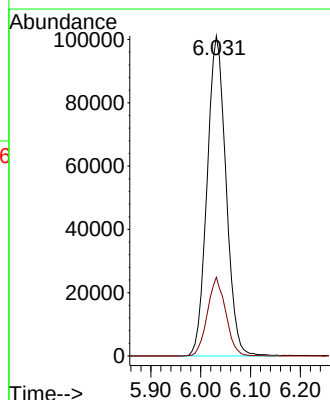
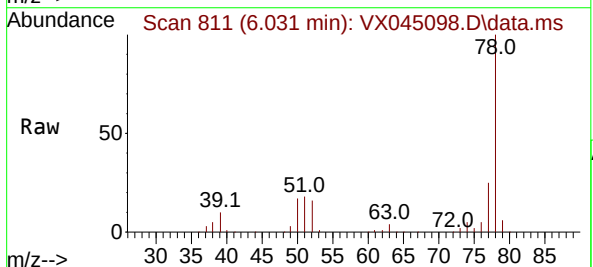
Acq: 28 Feb 2025 18:50

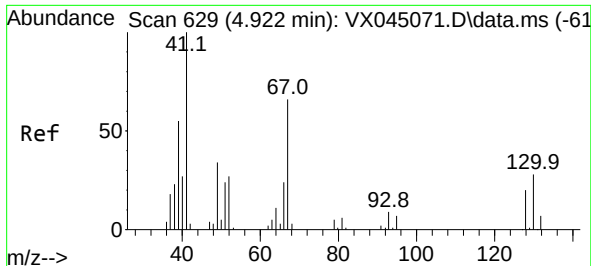
Tgt Ion: 78 Resp: 266243

Ion Ratio Lower Upper

78 100

77 24.6 18.8 28.2

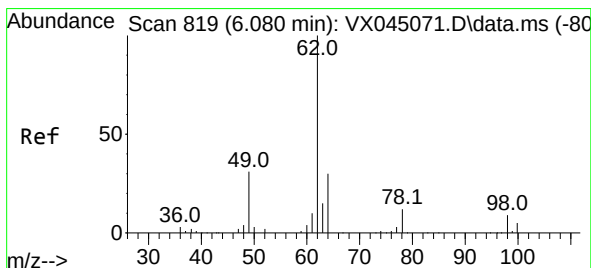
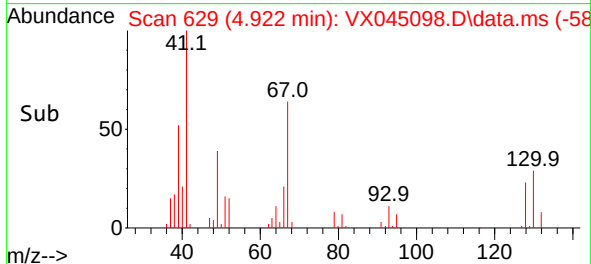
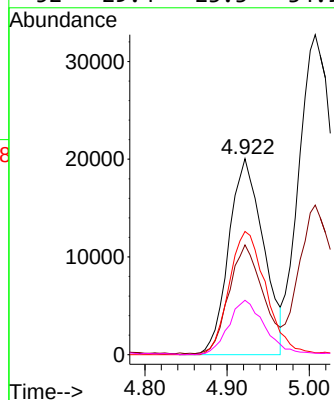
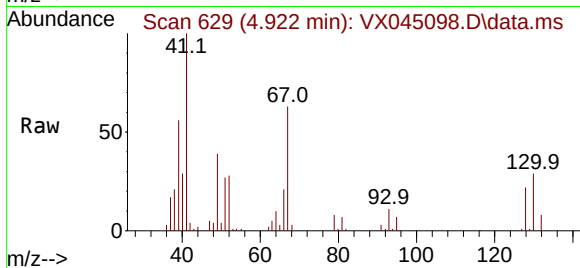




#41
Methacrylonitrile
Concen: 50.896 ug/l
RT: 4.922 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

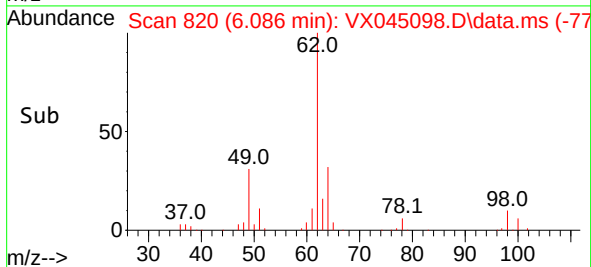
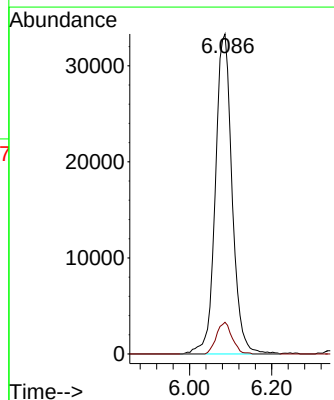
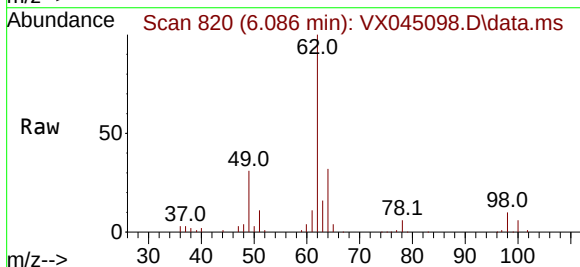
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

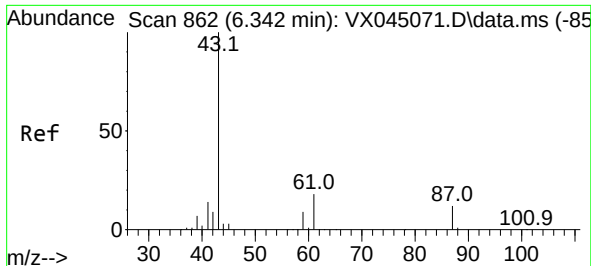
Tgt Ion:	41	Resp:	58866
Ion	Ratio	Lower	Upper
41	100		
39	54.4	44.6	67.0
67	67.0	53.9	80.9
52	29.4	23.3	34.9



#42
1,2-Dichloroethane
Concen: 49.909 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:	62	Resp:	94209
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2

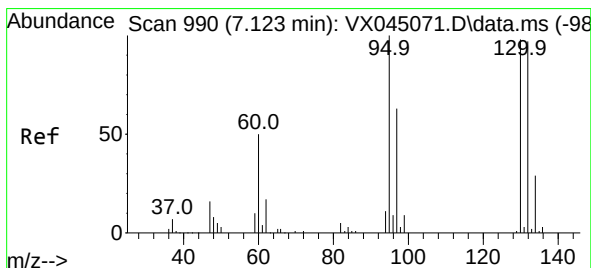
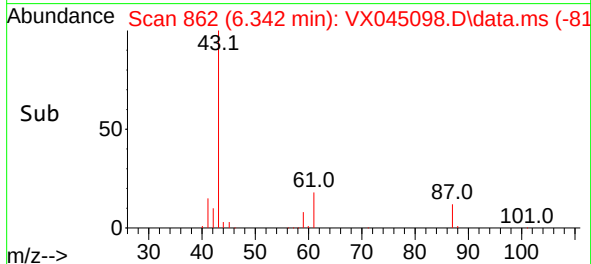
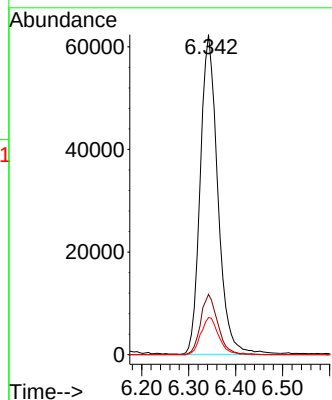
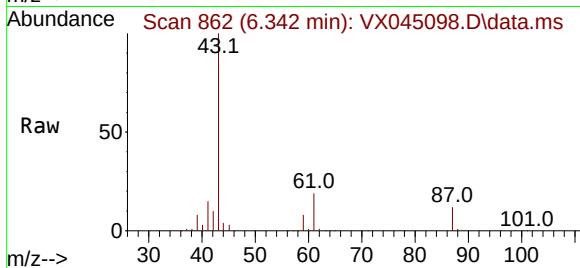




#43
Isopropyl Acetate
Concen: 51.105 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

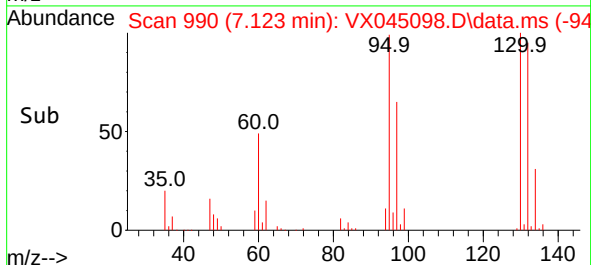
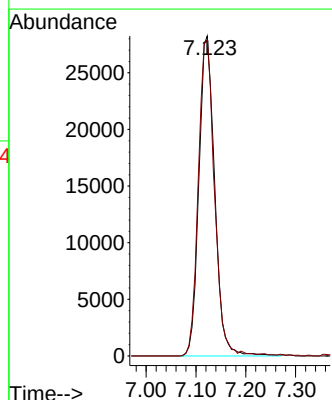
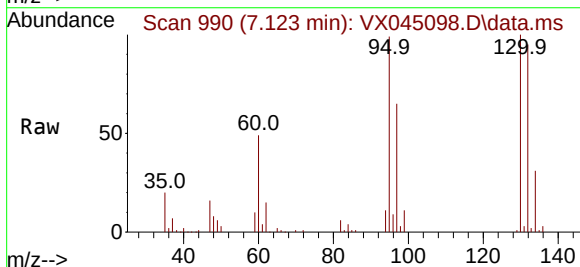
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

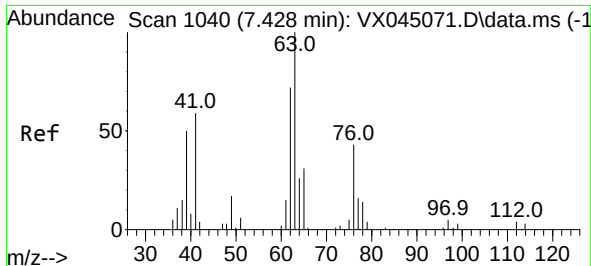
Tgt Ion: 43 Resp: 161644
Ion Ratio Lower Upper
43 100
61 18.5 14.9 22.3
87 11.8 9.4 14.2



#44
Trichloroethene
Concen: 50.539 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:130 Resp: 62206
Ion Ratio Lower Upper
130 100
95 98.8 0.0 205.0





#45

1,2-Dichloropropane

Concen: 50.023 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

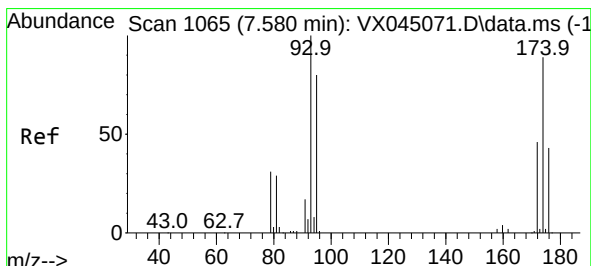
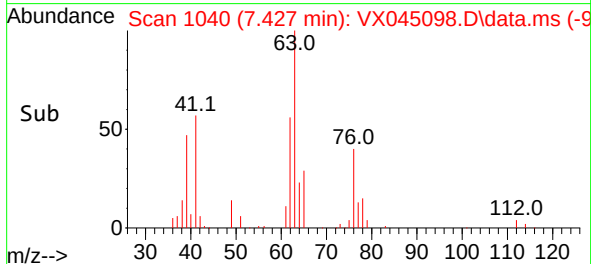
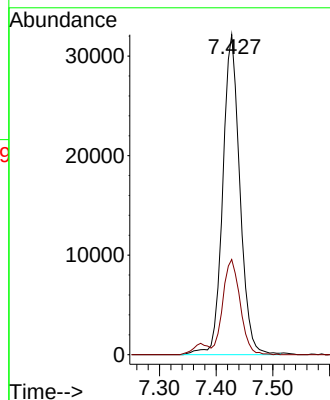
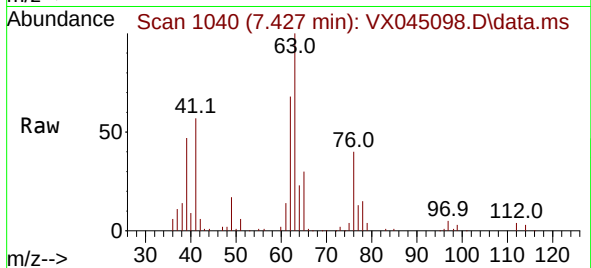
VSTDCCC050EC

Tgt Ion: 63 Resp: 67418

Ion Ratio Lower Upper

63 100

65 29.8 24.7 37.1



#46

Dibromomethane

Concen: 50.658 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

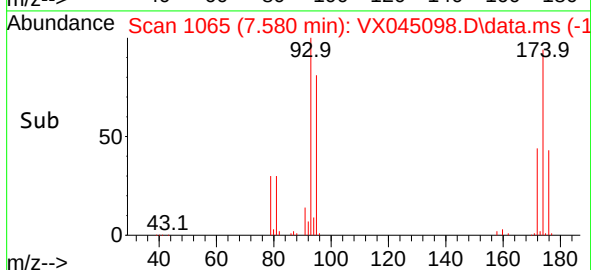
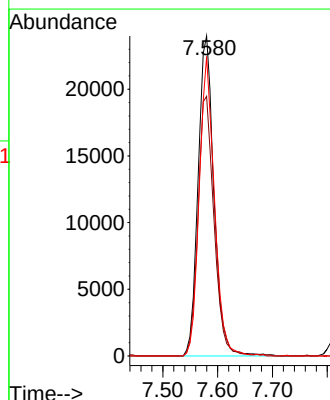
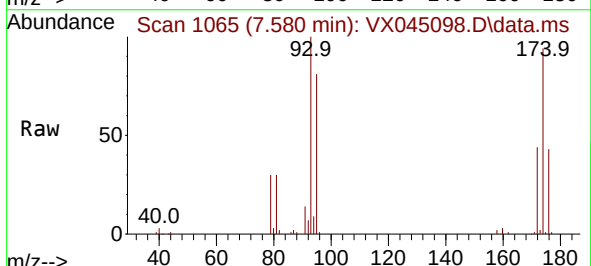
Tgt Ion: 93 Resp: 48257

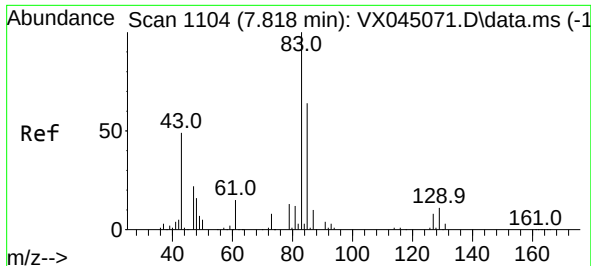
Ion Ratio Lower Upper

93 100

95 81.9 65.8 98.8

174 89.8 72.2 108.2

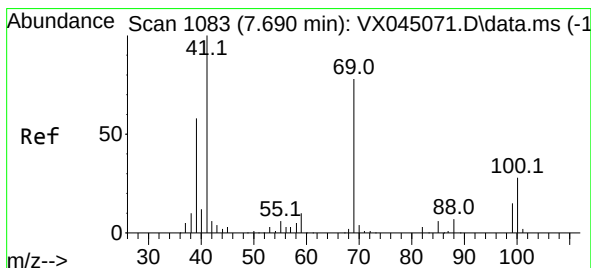
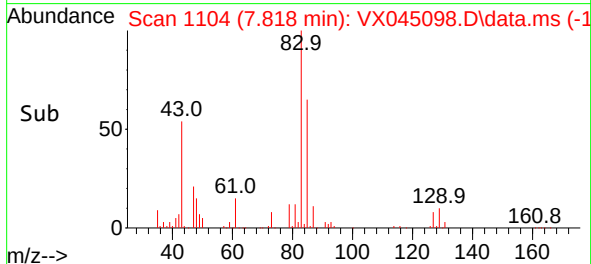
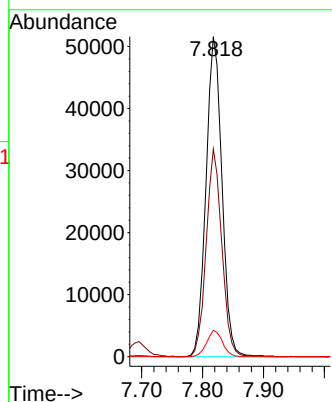
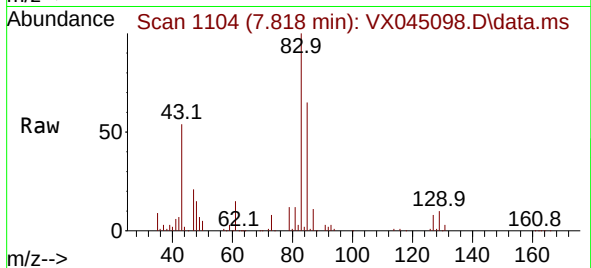




#47
Bromodichloromethane
Concen: 50.147 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

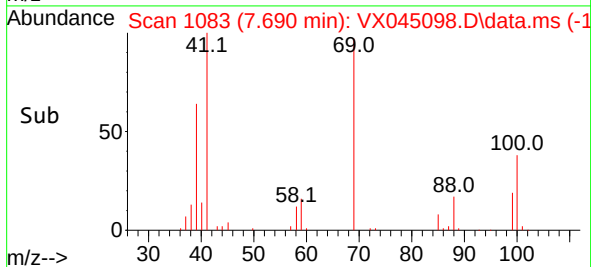
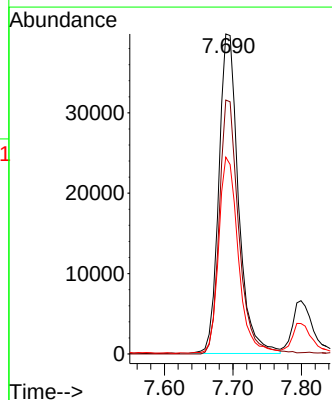
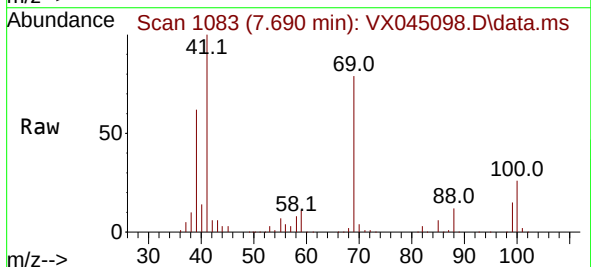
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

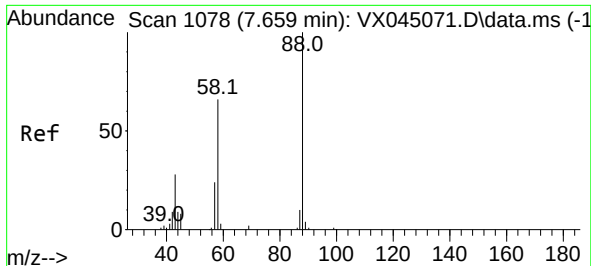
Tgt Ion: 83 Resp: 93700
Ion Ratio Lower Upper
83 100
85 64.8 51.1 76.7
127 8.2 6.4 9.6



#48
Methyl methacrylate
Concen: 49.791 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 41 Resp: 79010
Ion Ratio Lower Upper
41 100
69 78.7 63.0 94.6
39 61.2 47.5 71.3





#49

1,4-Dioxane

Concen: 943.544 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

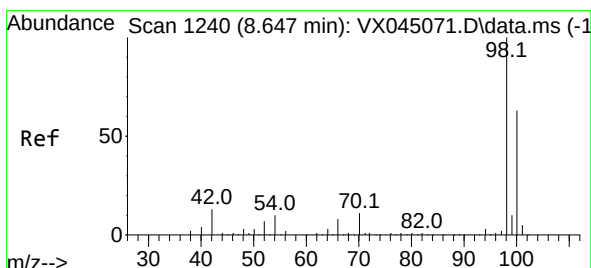
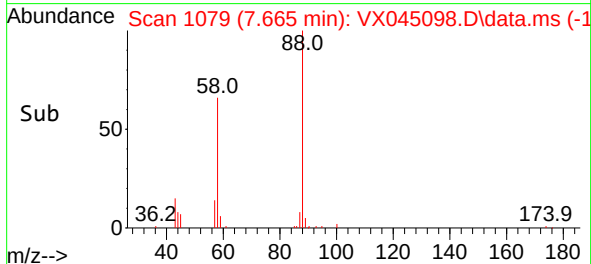
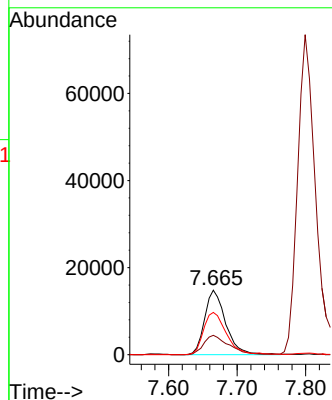
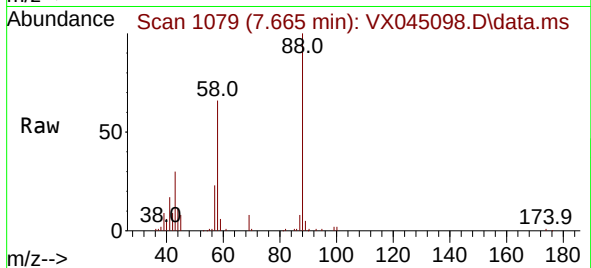
Tgt Ion: 88 Resp: 31583

Ion Ratio Lower Upper

88 100

43 35.8 28.7 43.1

58 71.7 55.8 83.8



#50

Toluene-d8

Concen: 49.952 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045098.D

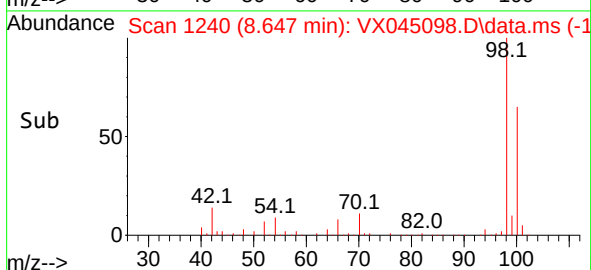
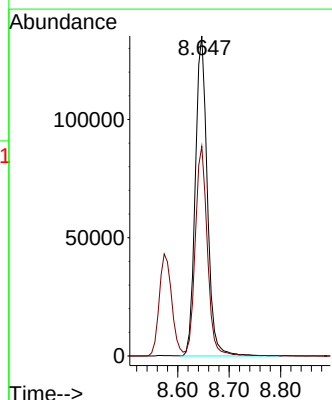
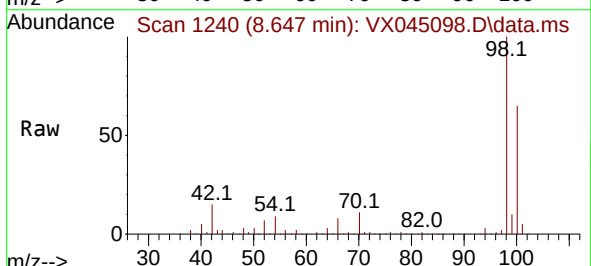
Acq: 28 Feb 2025 18:50

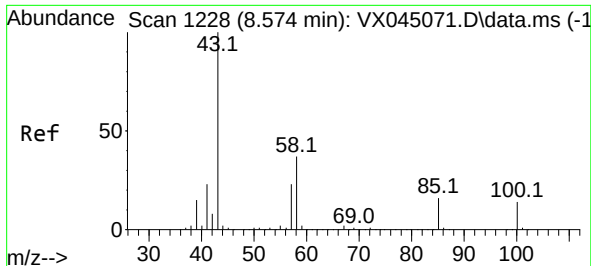
Tgt Ion: 98 Resp: 219202

Ion Ratio Lower Upper

98 100

100 65.8 52.0 78.0

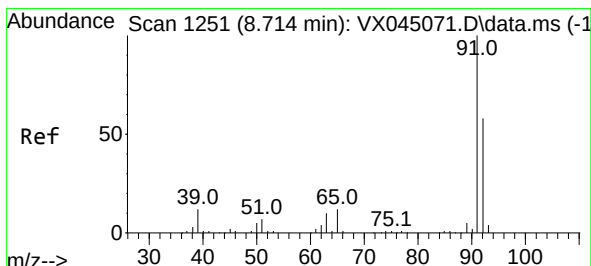
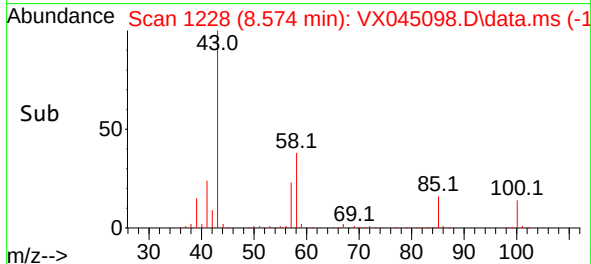
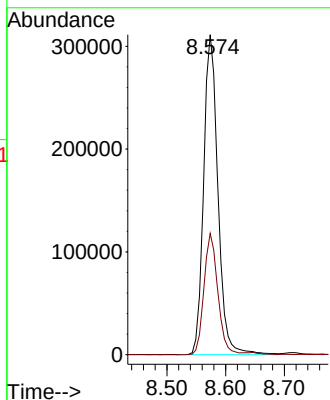
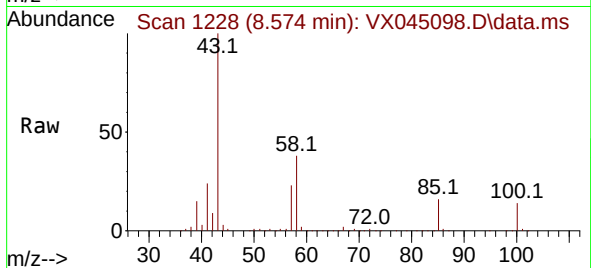




#51
4-Methyl-2-Pentanone
Concen: 248.148 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

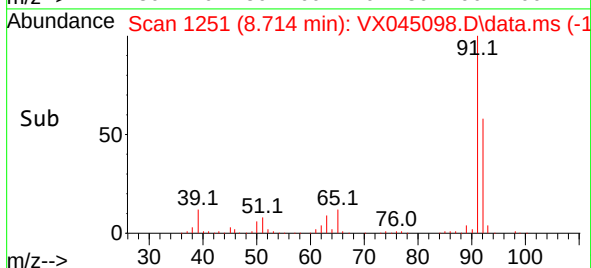
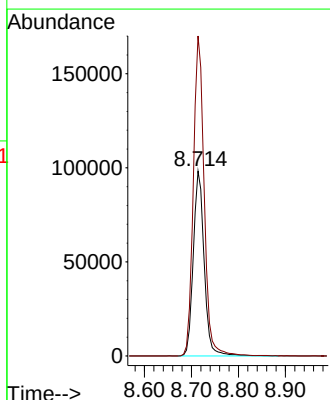
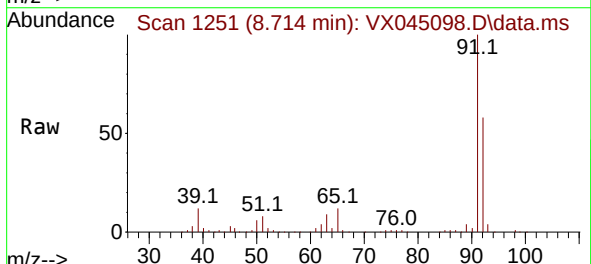
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

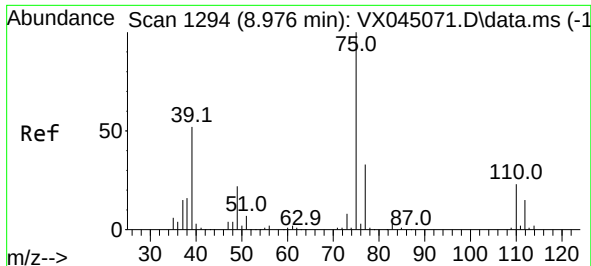
Tgt Ion: 43 Resp: 527009
Ion Ratio Lower Upper
43 100
58 36.7 29.2 43.8



#52
Toluene
Concen: 51.738 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 92 Resp: 159122
Ion Ratio Lower Upper
92 100
91 172.4 138.9 208.3

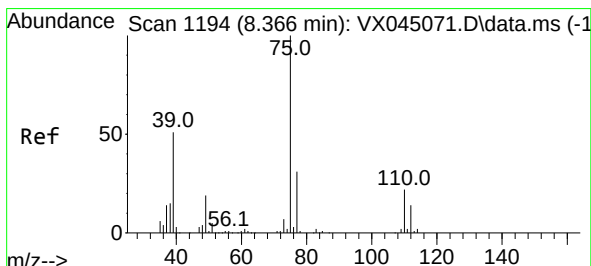
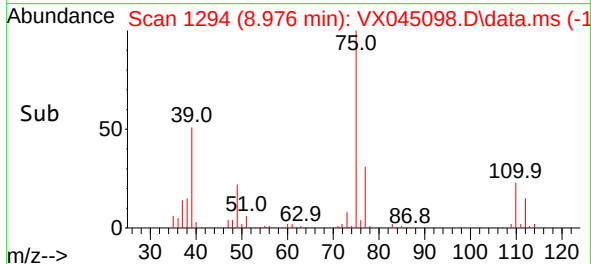
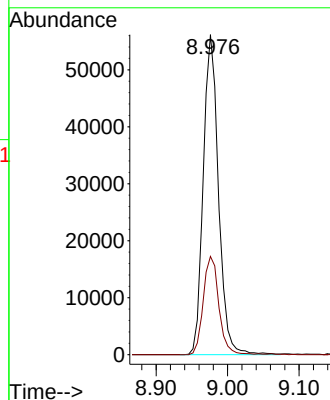
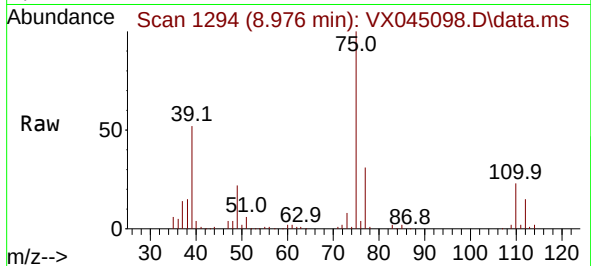




#53
t-1,3-Dichloropropene
Concen: 53.255 ug/l
RT: 8.976 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

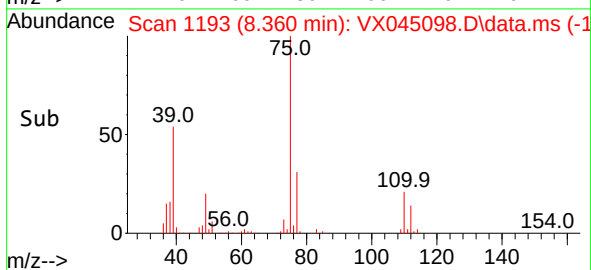
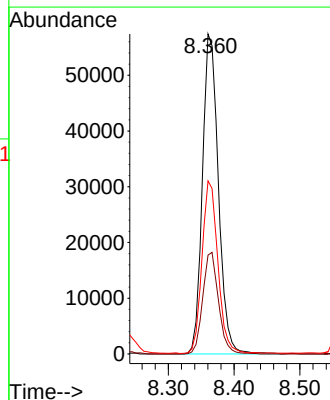
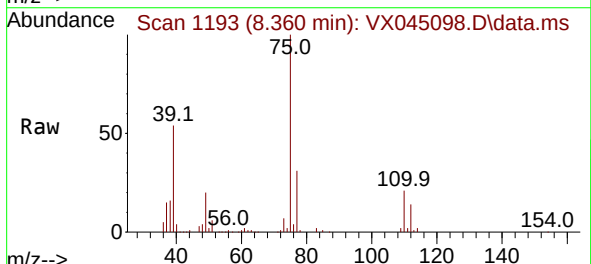
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

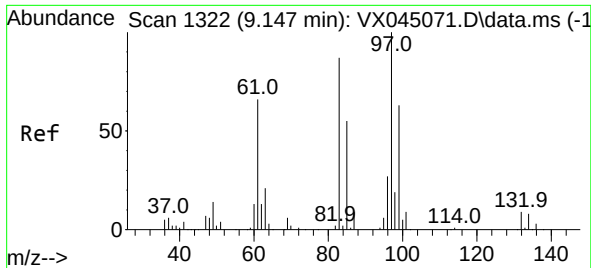
Tgt Ion: 75 Resp: 83188
Ion Ratio Lower Upper
75 100
77 30.7 26.5 39.7



#54
cis-1,3-Dichloropropene
Concen: 53.261 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 75 Resp: 97016
Ion Ratio Lower Upper
75 100
77 30.9 24.7 37.1
39 53.9 40.7 61.1

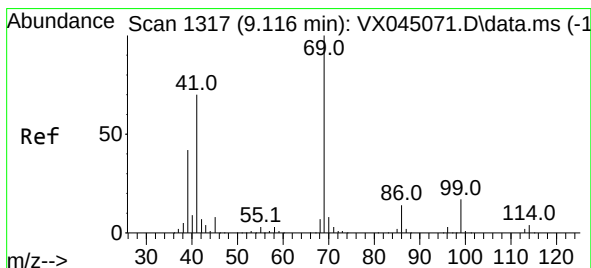
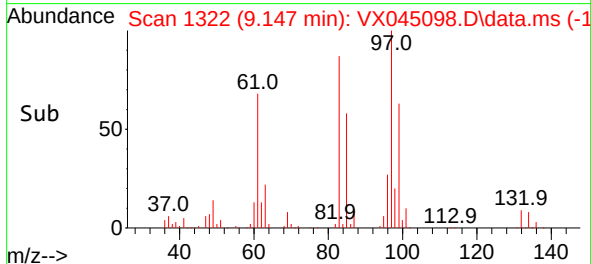
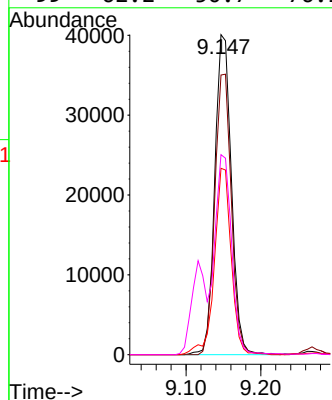
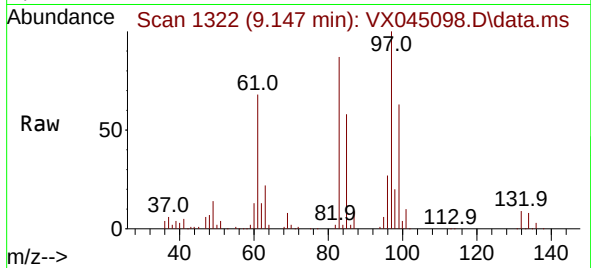




#55
1,1,2-Trichloroethane
Concen: 48.933 ug/l
RT: 9.147 min Scan# 1322
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

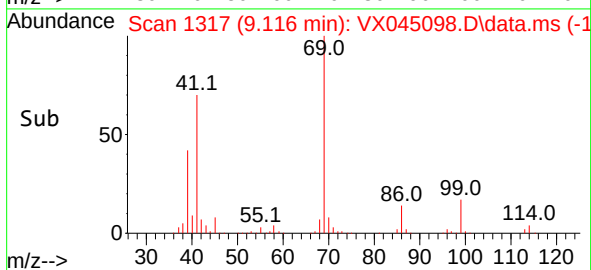
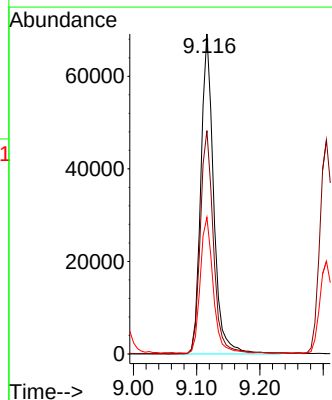
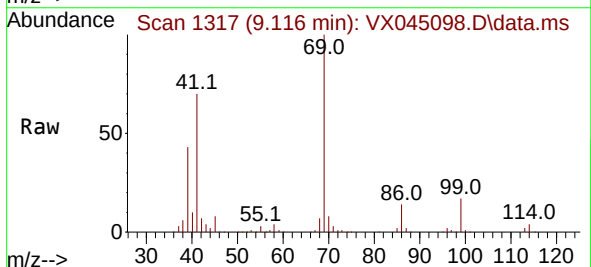
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

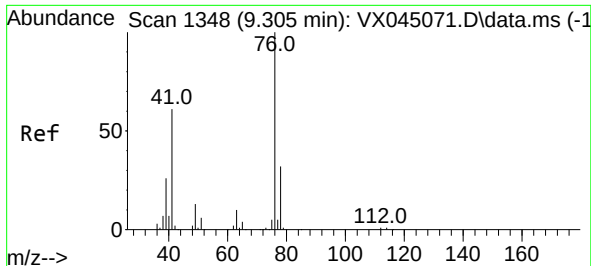
Tgt Ion: 97	Resp: 61955
Ion Ratio	Lower Upper
97 100	
83 87.4	69.4 104.2
85 58.2	44.1 66.1
99 62.2	50.7 76.1



#56
Ethyl methacrylate
Concen: 50.898 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 69	Resp: 97958
Ion Ratio	Lower Upper
69 100	
41 72.0	57.0 85.4
39 42.2	34.2 51.4





#57

1,3-Dichloropropane

Concen: 49.251 ug/l

RT: 9.305 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

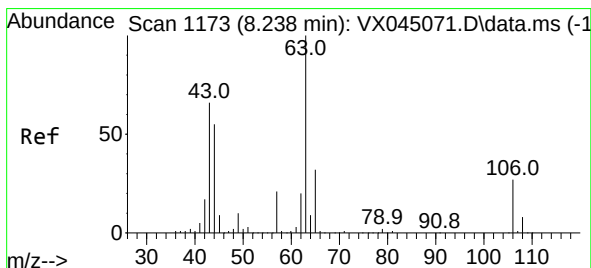
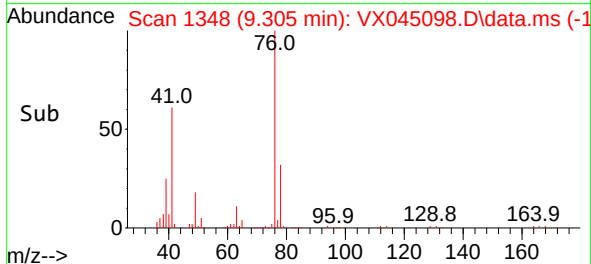
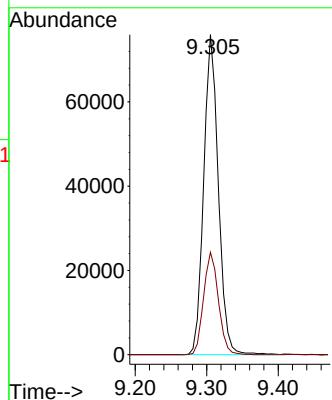
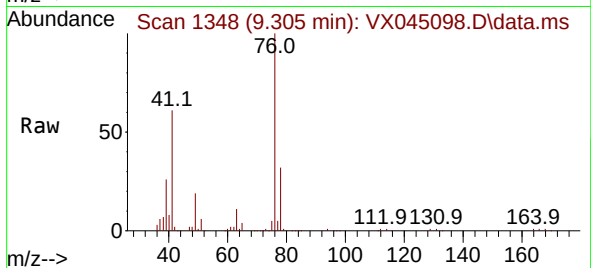
VSTDCCC050EC

Tgt Ion: 76 Resp: 107915

Ion Ratio Lower Upper

76 100

78 32.4 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 267.883 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX045098.D

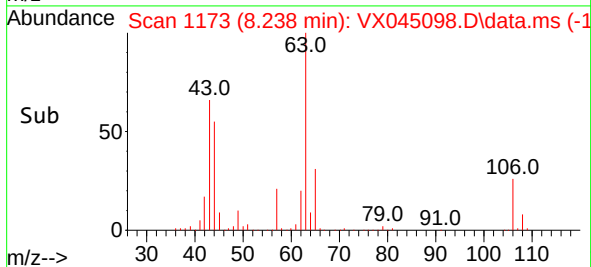
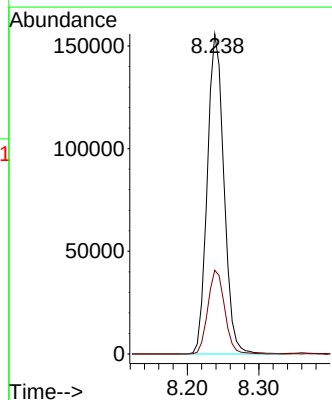
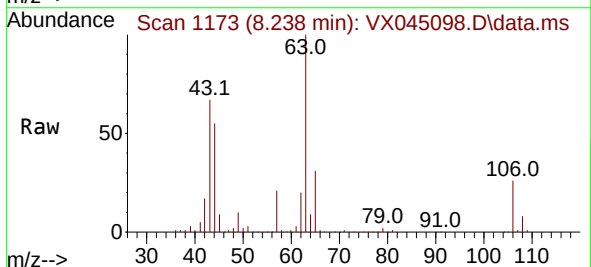
Acq: 28 Feb 2025 18:50

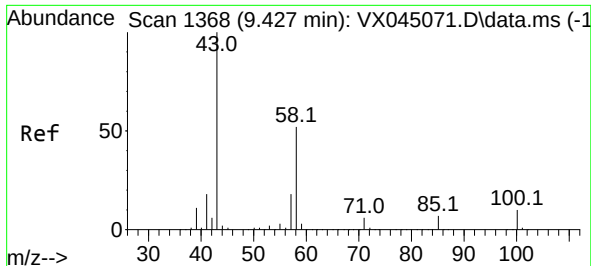
Tgt Ion: 63 Resp: 251496

Ion Ratio Lower Upper

63 100

106 26.4 21.5 32.3

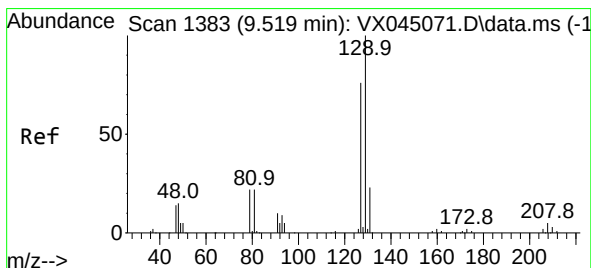
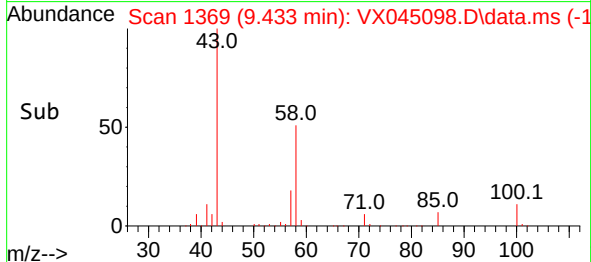
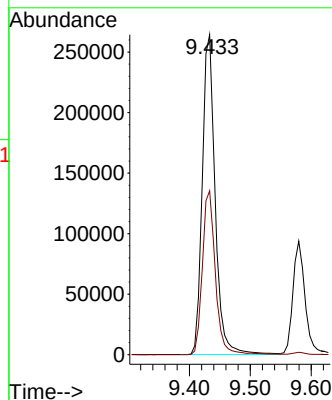
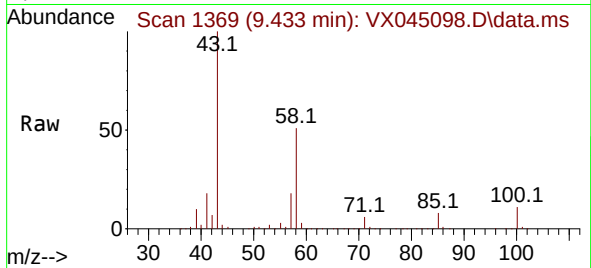




#59
2-Hexanone
Concen: 253.206 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

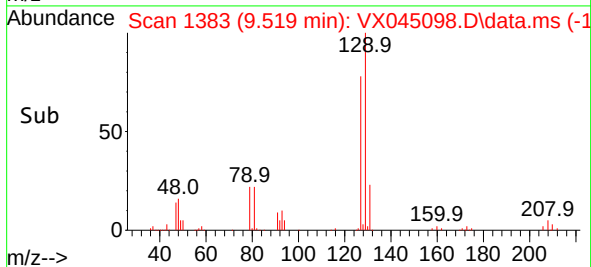
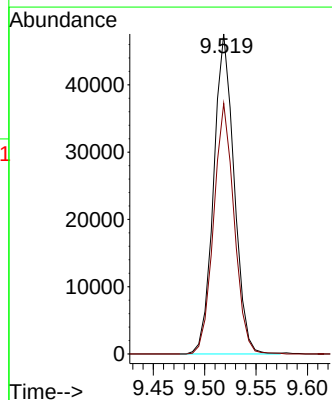
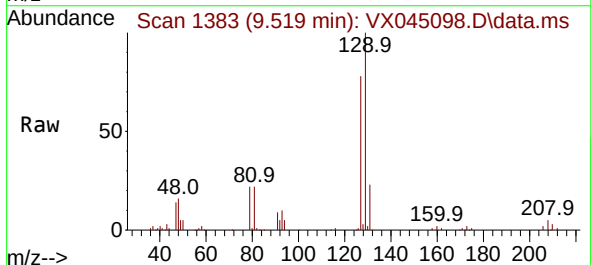
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

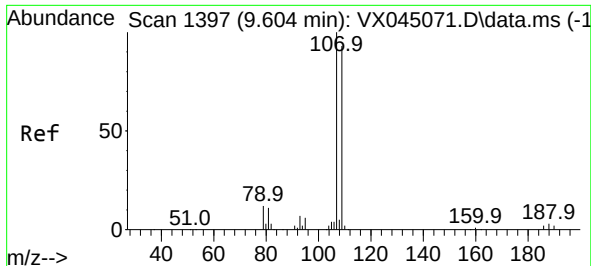
Tgt Ion: 43 Resp: 389623
Ion Ratio Lower Upper
43 100
58 51.8 25.9 77.6



#60
Dibromochloromethane
Concen: 49.736 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 129 Resp: 65842
Ion Ratio Lower Upper
129 100
127 78.1 38.5 115.5

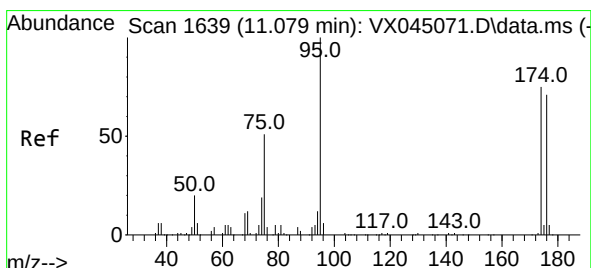
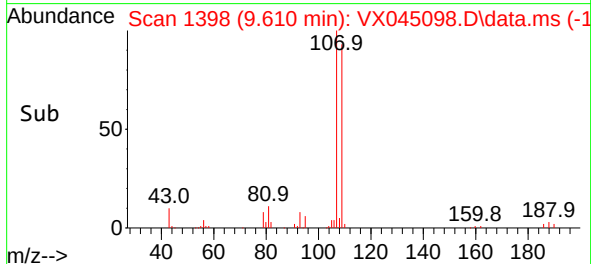
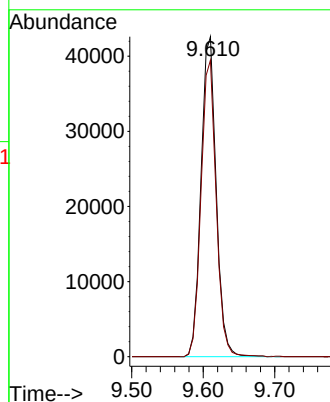
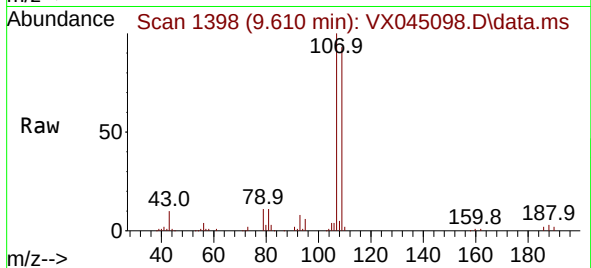




#61
1,2-Dibromoethane
Concen: 49.600 ug/l
RT: 9.610 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

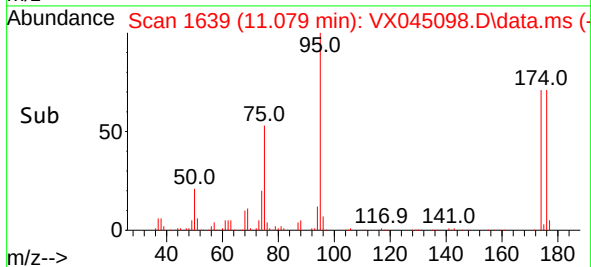
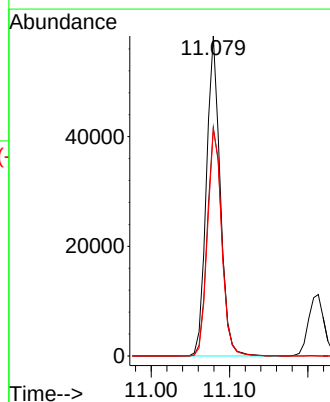
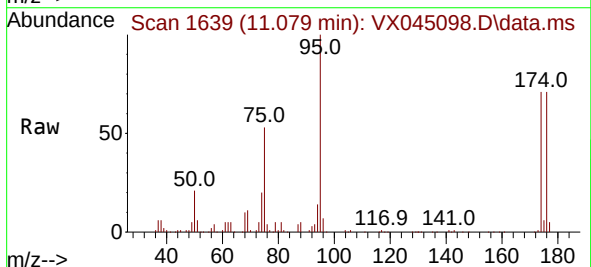
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

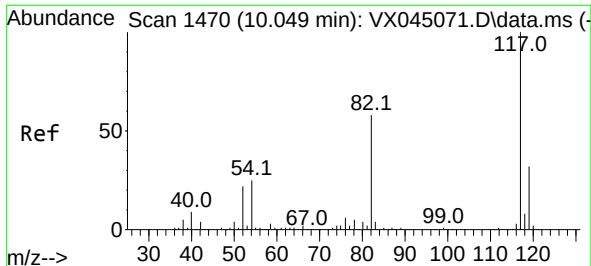
Tgt Ion:107 Resp: 62692
Ion Ratio Lower Upper
107 100
109 92.5 76.1 114.1



#62
4-Bromofluorobenzene
Concen: 48.831 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 95 Resp: 71007
Ion Ratio Lower Upper
95 100
174 75.0 0.0 148.2
176 72.9 0.0 141.4

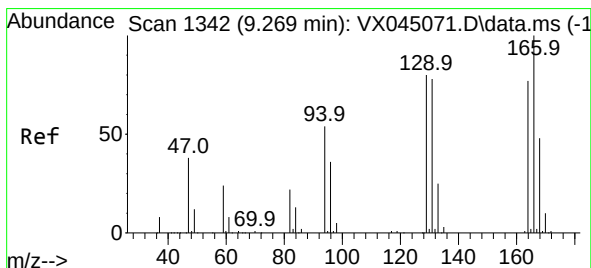
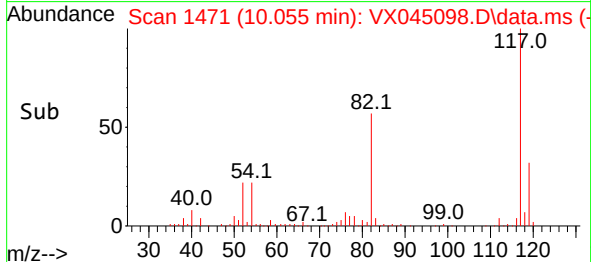
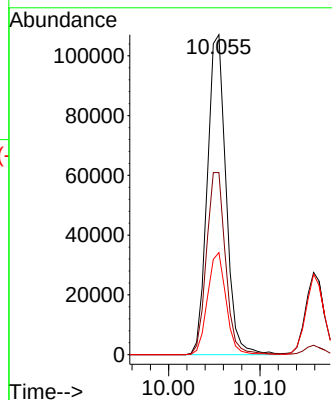
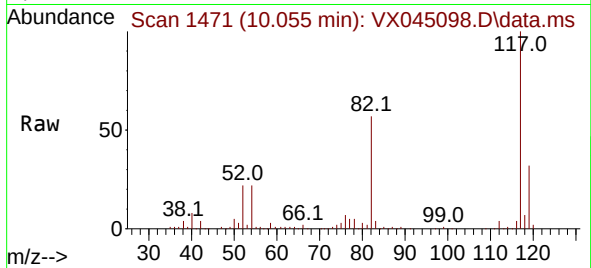




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

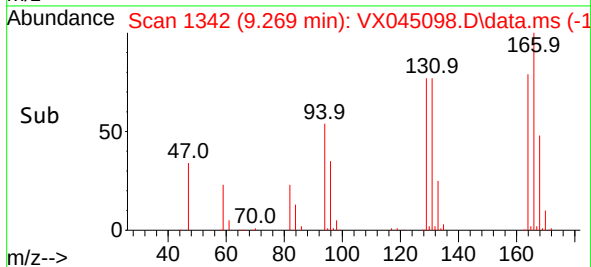
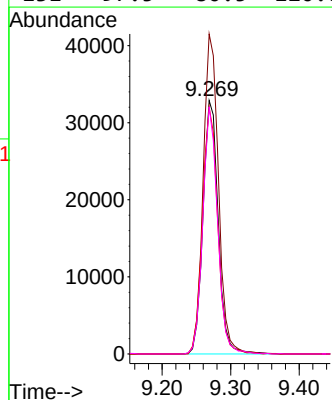
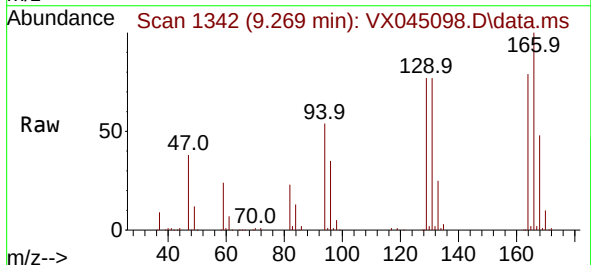
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

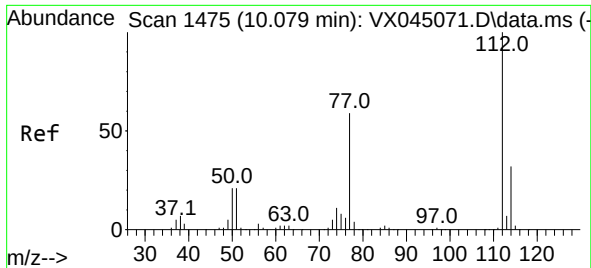
Tgt Ion:117 Resp: 151837
Ion Ratio Lower Upper
117 100
82 56.9 46.3 69.5
119 31.9 25.7 38.5



#64
Tetrachloroethene
Concen: 52.227 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:164 Resp: 50788
Ion Ratio Lower Upper
164 100
166 126.3 103.6 155.4
129 97.4 82.7 124.1
131 97.5 80.5 120.7

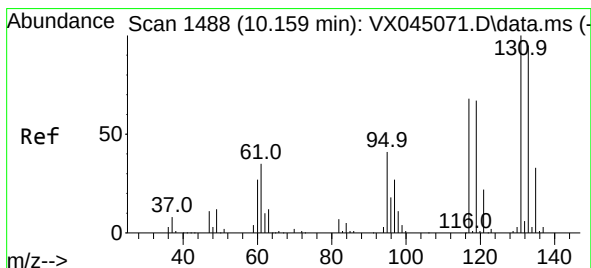
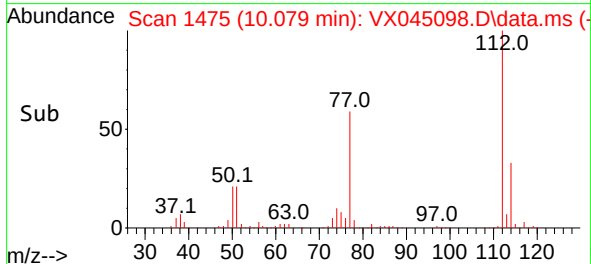
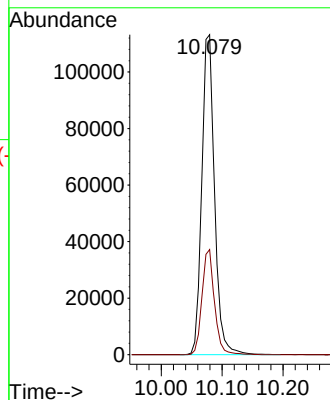
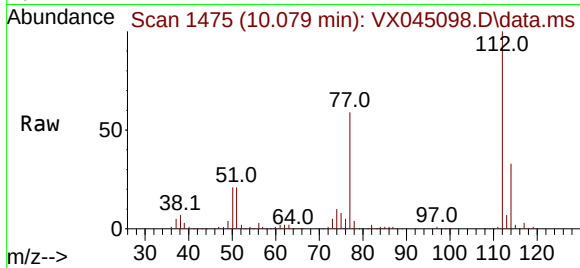




#65
Chlorobenzene
Concen: 51.239 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

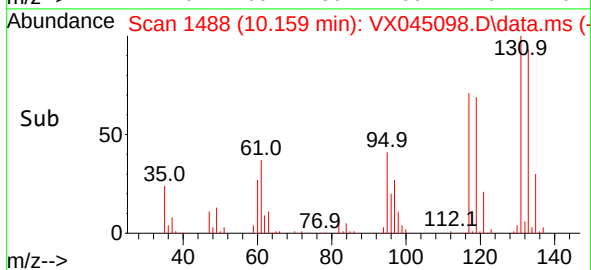
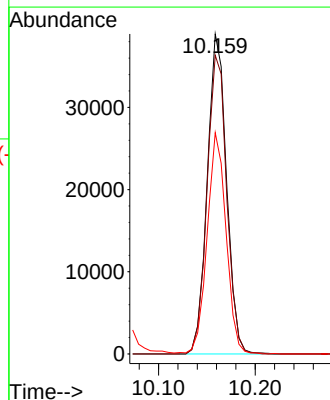
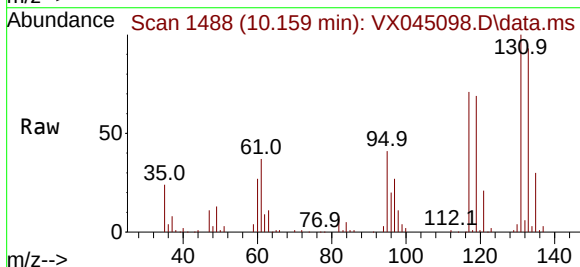
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

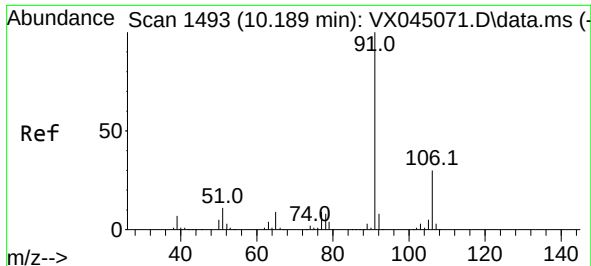
Tgt Ion:112 Resp: 164623
Ion Ratio Lower Upper
112 100
114 32.8 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 50.382 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:131 Resp: 53906
Ion Ratio Lower Upper
131 100
133 95.5 48.6 145.9
119 68.0 33.9 101.7





#67

Ethyl Benzene

Concen: 52.678 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

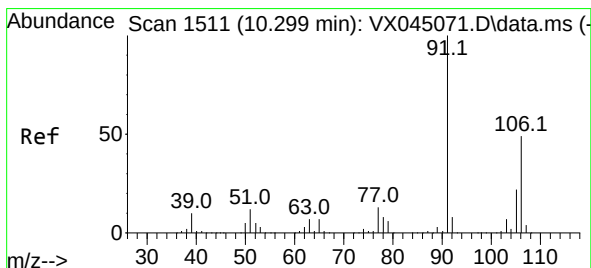
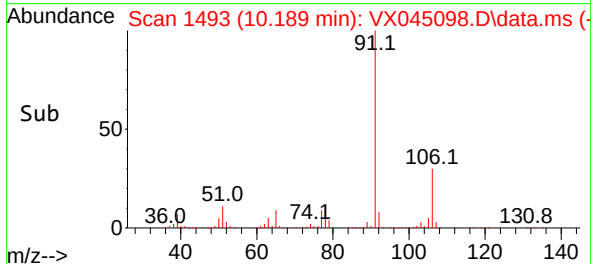
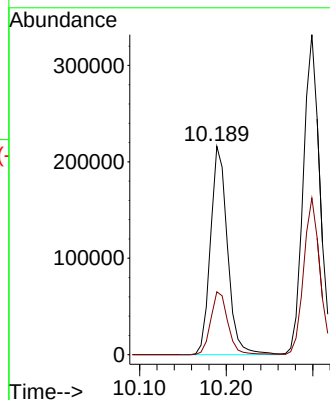
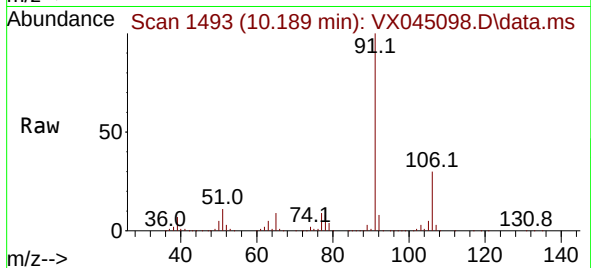
VSTDCCC050EC

Tgt Ion: 91 Resp: 294898

Ion Ratio Lower Upper

91 100

106 30.2 23.9 35.9



#68

m/p-Xylenes

Concen: 106.271 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX045098.D

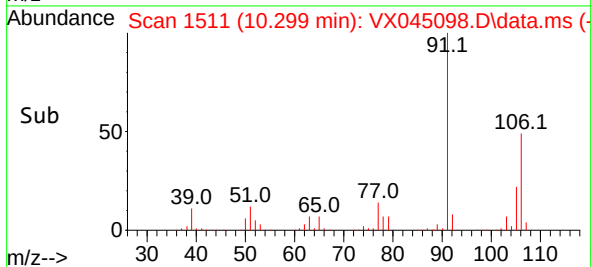
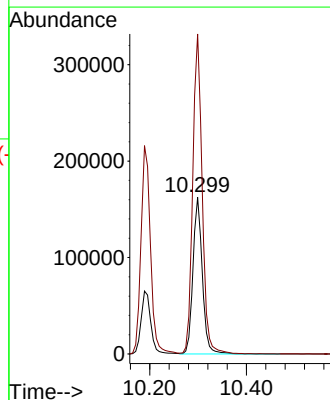
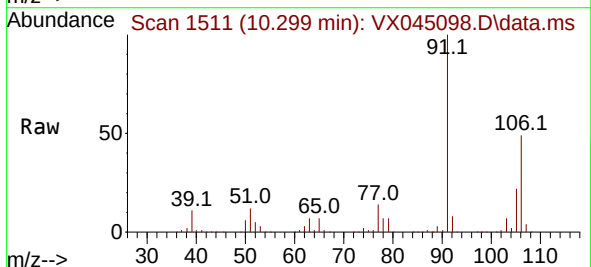
Acq: 28 Feb 2025 18:50

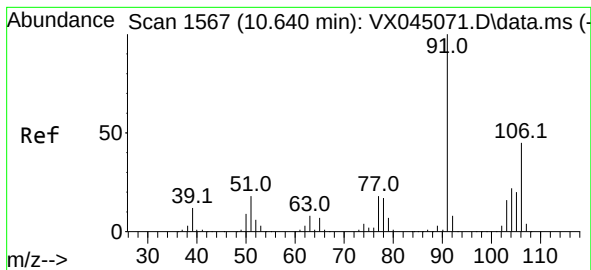
Tgt Ion:106 Resp: 217787

Ion Ratio Lower Upper

106 100

91 206.1 165.4 248.0

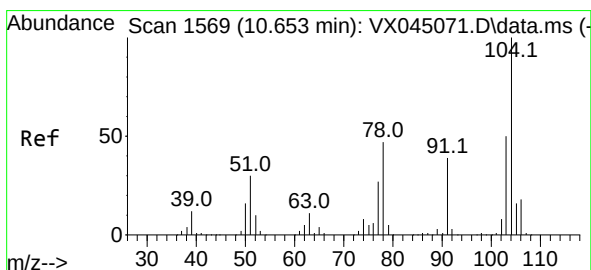
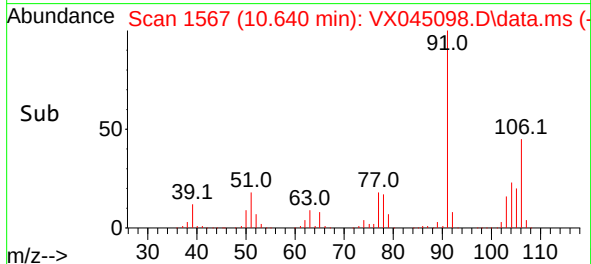
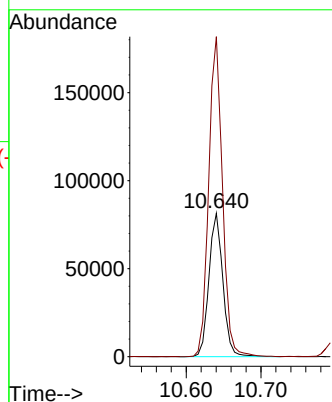
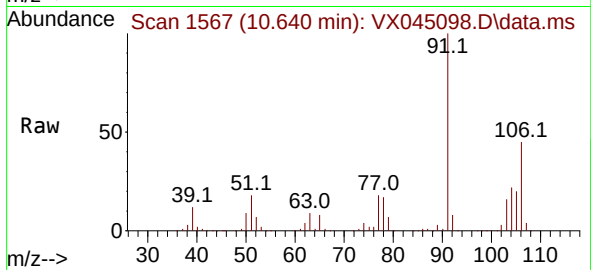




#69
o-Xylene
Concen: 50.972 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

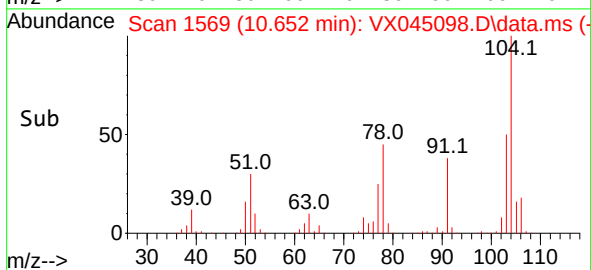
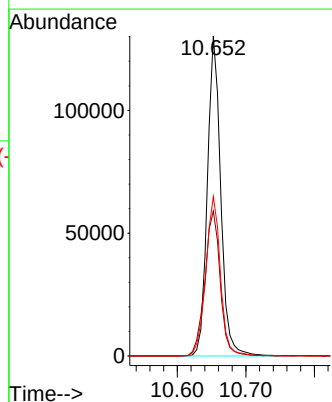
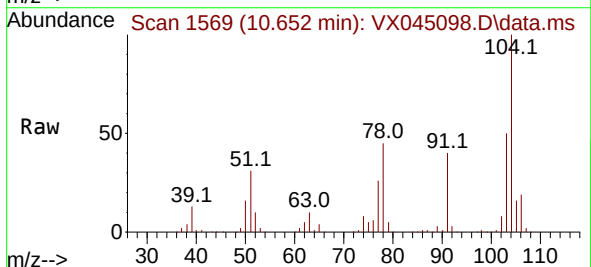
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

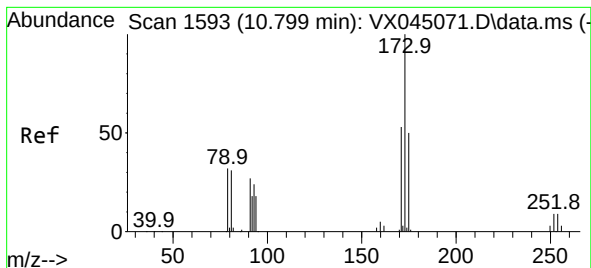
Tgt Ion:106 Resp: 105354
Ion Ratio Lower Upper
106 100
91 220.4 109.9 329.6



#70
Styrene
Concen: 52.954 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:104 Resp: 177099
Ion Ratio Lower Upper
104 100
78 52.3 42.2 63.4
103 54.6 43.8 65.8





#71

Bromoform

Concen: 51.664 ug/l

RT: 10.799 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

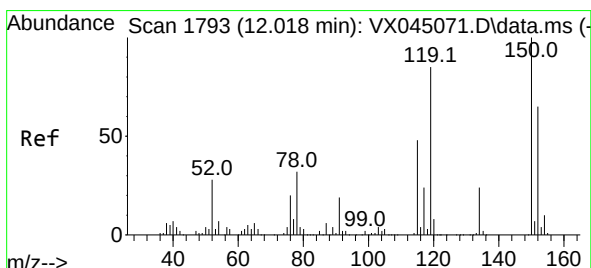
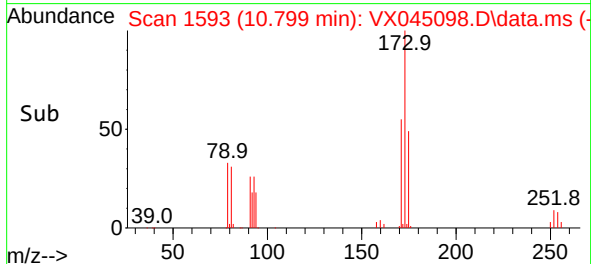
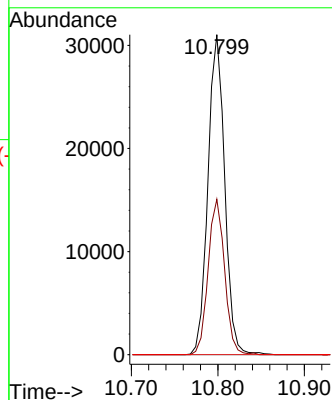
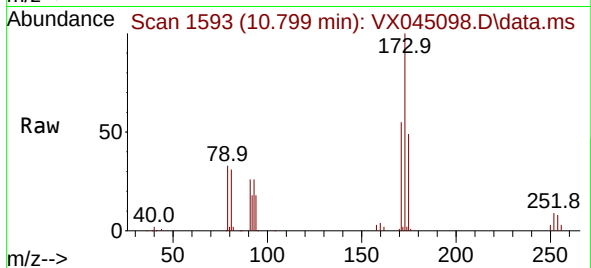
Tgt Ion:173 Resp: 41684

Ion Ratio Lower Upper

173 100

175 47.8 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: VX045098.D

Acq: 28 Feb 2025 18:50

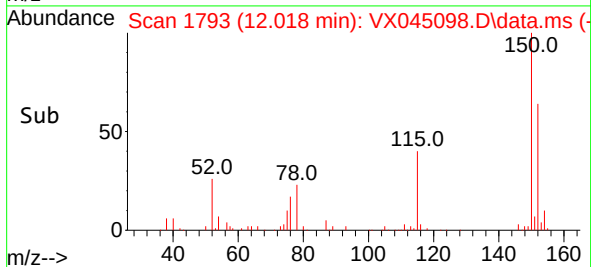
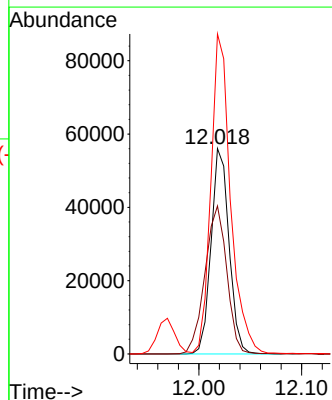
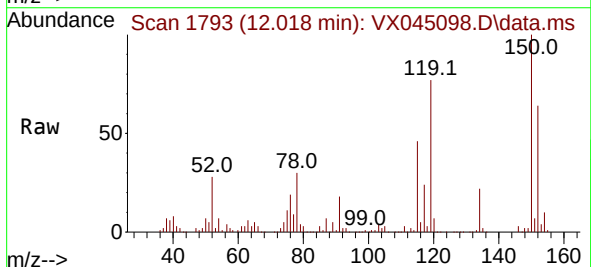
Tgt Ion:152 Resp: 67962

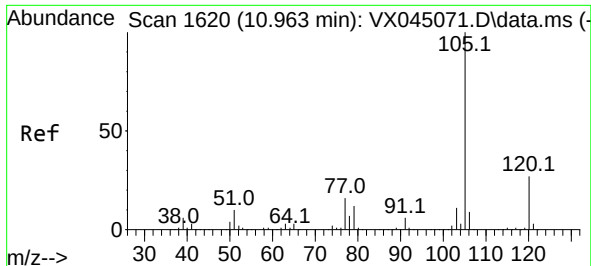
Ion Ratio Lower Upper

152 100

115 88.0 44.2 132.6

150 171.3 0.0 349.0

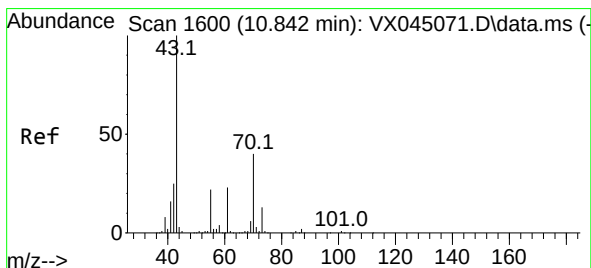
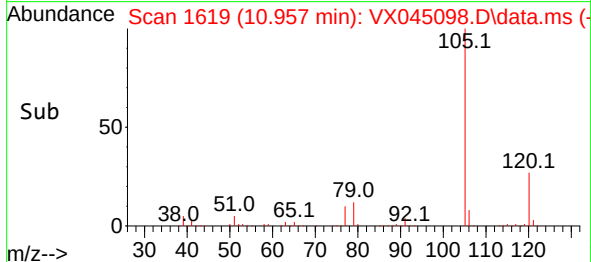
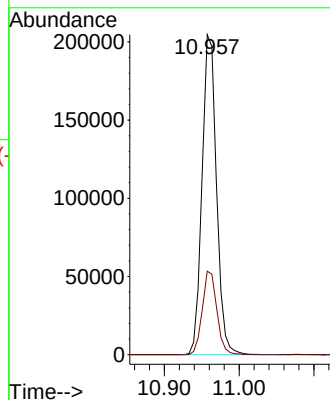
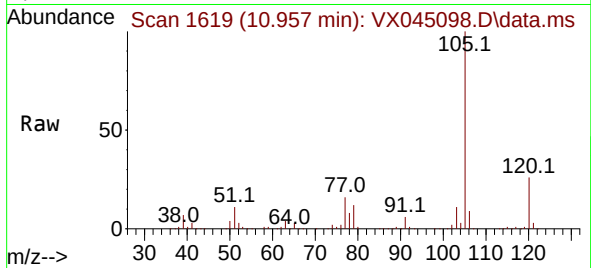




#73
Isopropylbenzene
Concen: 51.833 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

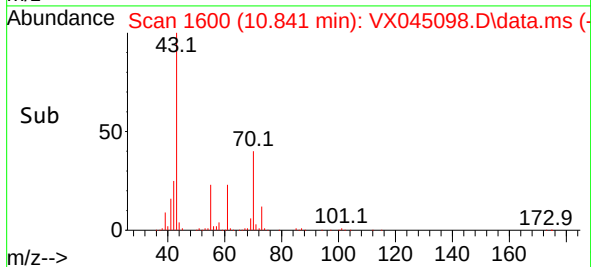
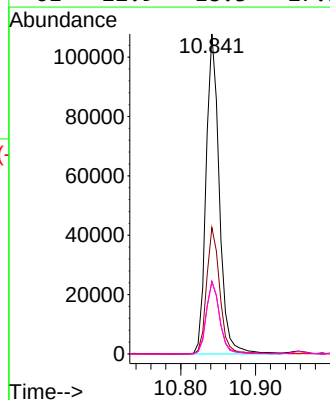
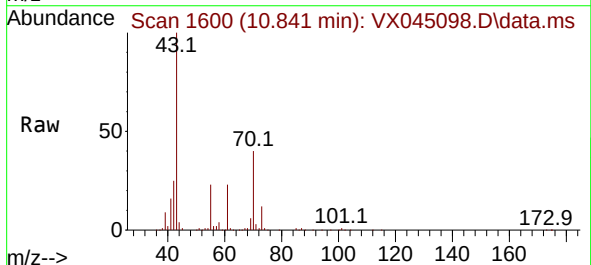
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

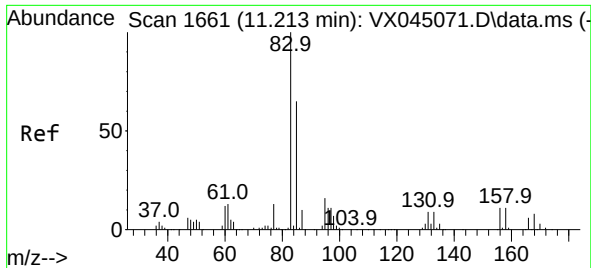
Tgt Ion:105 Resp: 274956
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5



#74
N-ethyl acetate
Concen: 53.399 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 43 Resp: 132916
Ion Ratio Lower Upper
43 100
70 39.5 31.8 47.6
55 23.1 18.3 27.5
61 22.9 18.3 27.5

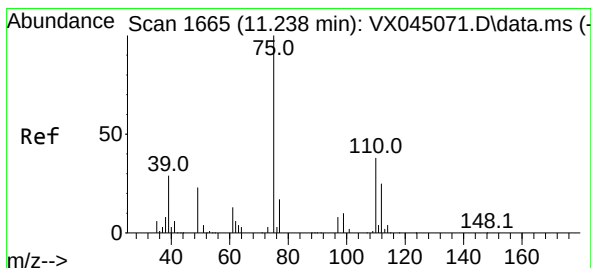
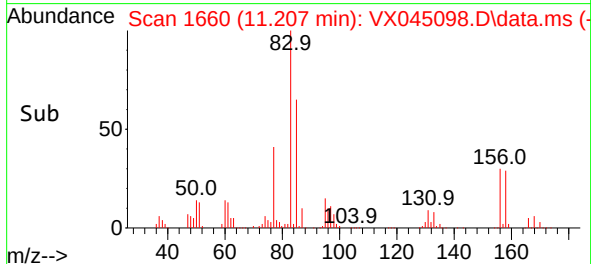
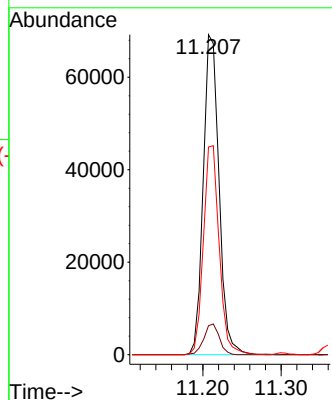
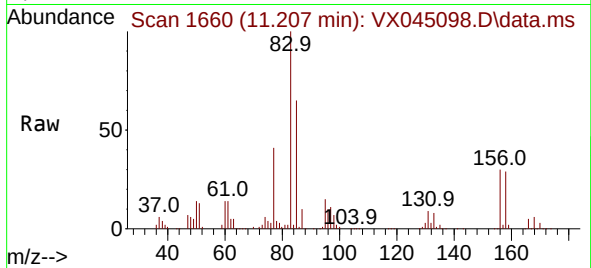




#75
 1,1,2,2-Tetrachloroethane
 Concen: 49.649 ug/l
 RT: 11.207 min Scan# 1660
 Delta R.T. -0.006 min
 Lab File: VX045098.D
 Acq: 28 Feb 2025 18:50

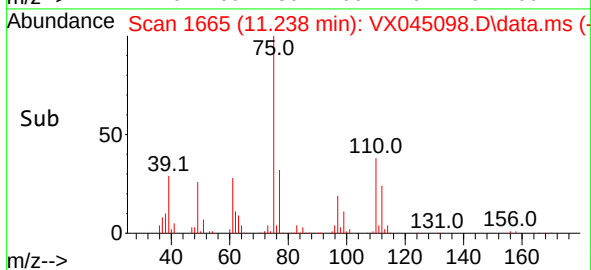
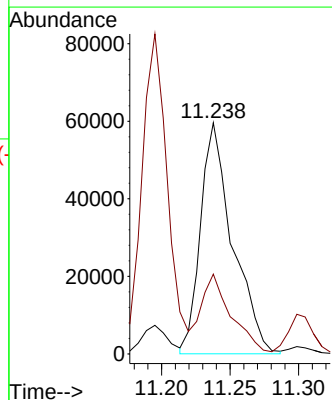
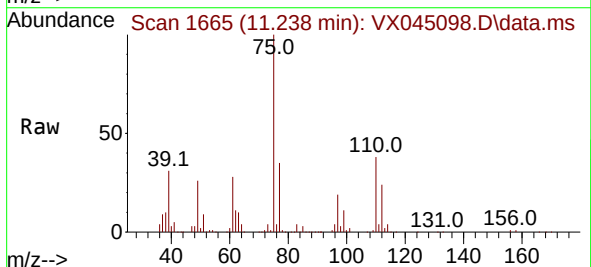
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

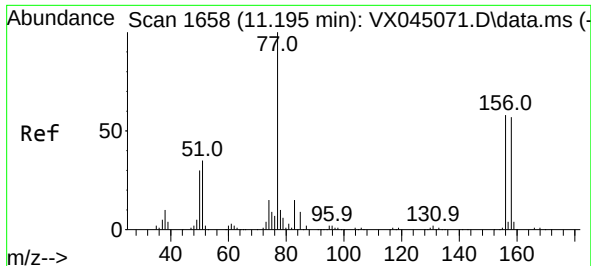
Tgt Ion: 83 Resp: 96646
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.5 13.4
 85 65.3 31.7 95.1



#76
 1,2,3-Trichloropropane
 Concen: 61.525 ug/l
 RT: 11.238 min Scan# 1665
 Delta R.T. -0.000 min
 Lab File: VX045098.D
 Acq: 28 Feb 2025 18:50

Tgt Ion: 75 Resp: 97322
 Ion Ratio Lower Upper
 75 100
 77 32.7 20.7 62.1

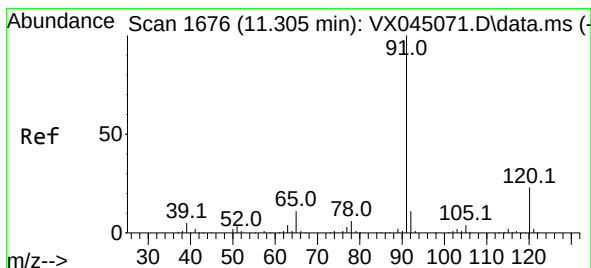
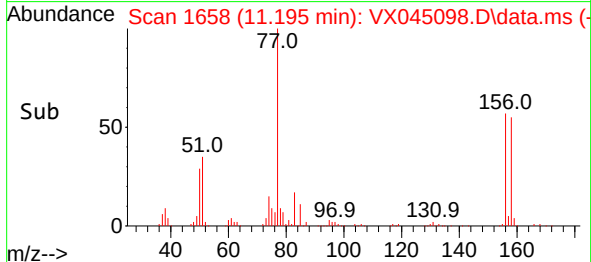
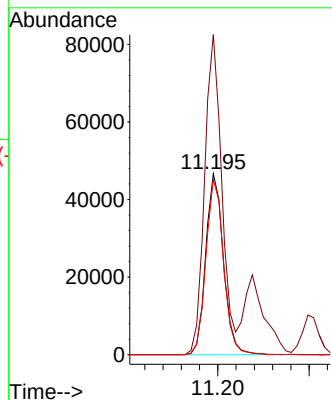
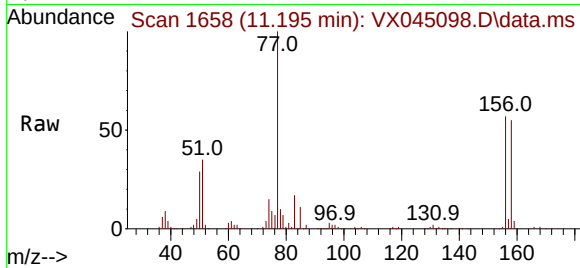




#77
Bromobenzene
Concen: 49.973 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

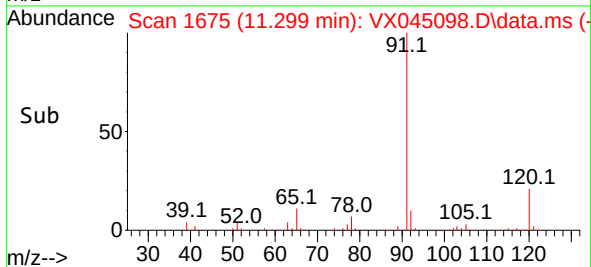
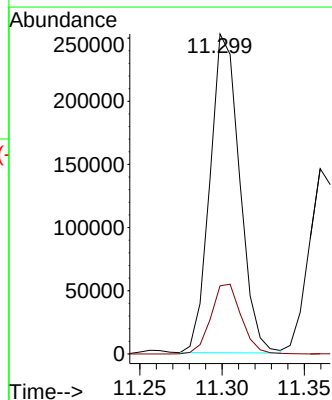
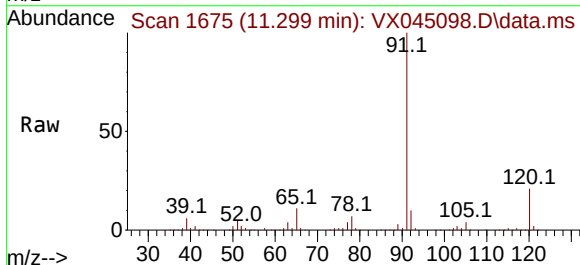
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

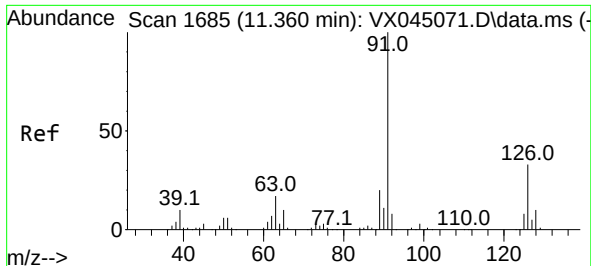
Tgt Ion:	156	Resp:	62546
Ion Ratio	Lower	Upper	
156	100		
77	171.3	85.8	257.4
158	96.2	48.4	145.2



#78
n-propylbenzene
Concen: 52.873 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:	91	Resp:	316831
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.2	33.6

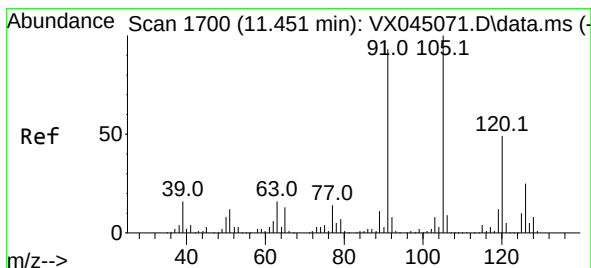
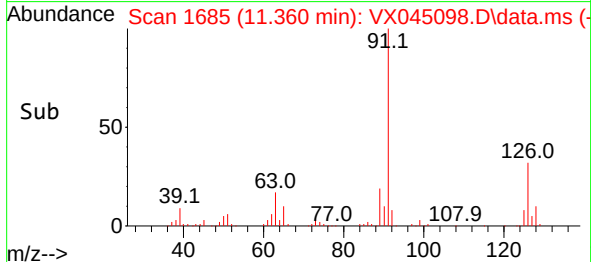
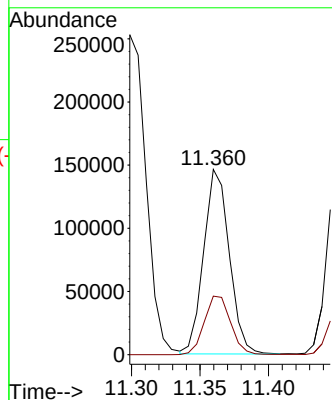
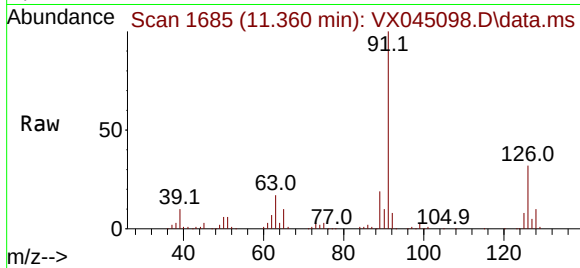




#79
2-Chlorotoluene
Concen: 49.764 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

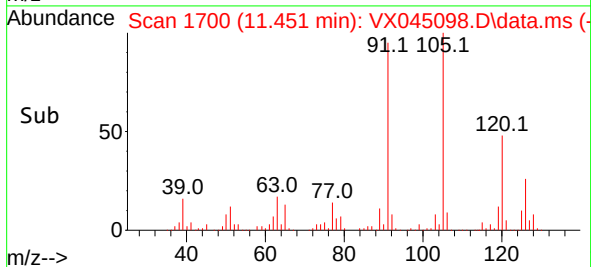
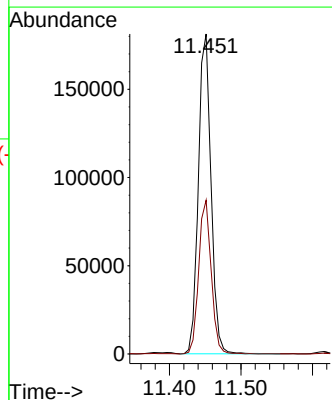
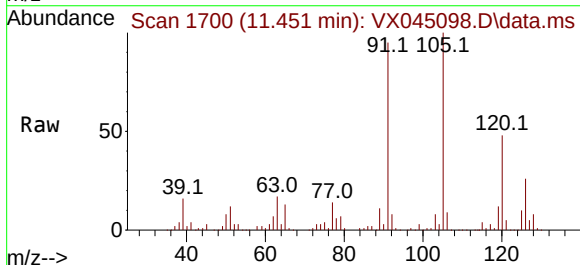
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

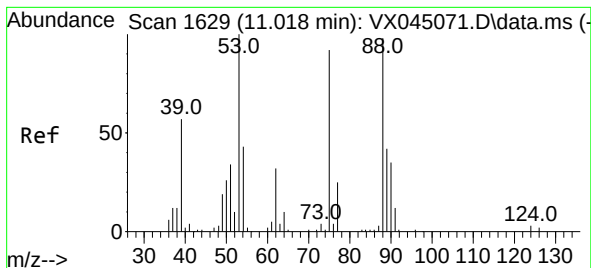
Tgt Ion: 91 Resp: 189914
Ion Ratio Lower Upper
91 100
126 32.8 16.4 49.4



#80
1,3,5-Trimethylbenzene
Concen: 51.725 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 105 Resp: 221858
Ion Ratio Lower Upper
105 100
120 47.7 24.1 72.2

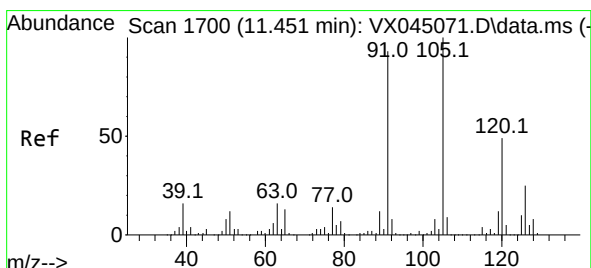
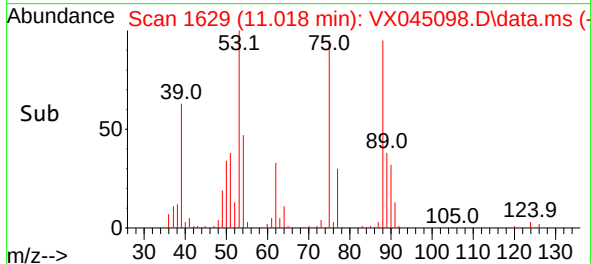
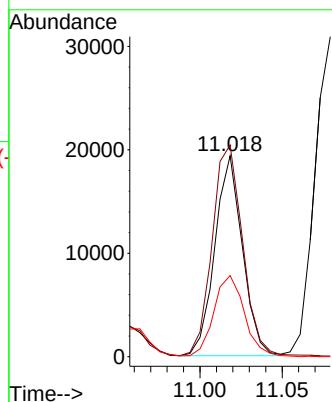
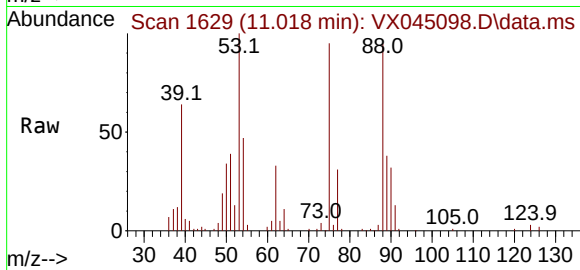




#81
trans-1,4-Dichloro-2-butene
Concen: 48.890 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

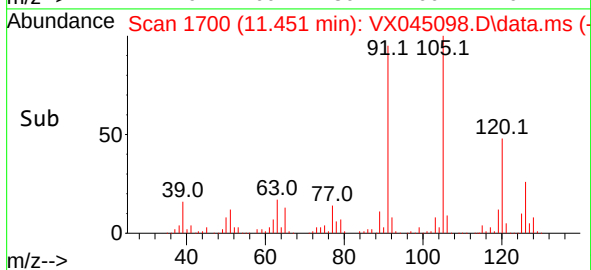
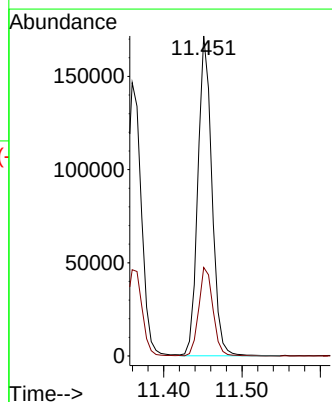
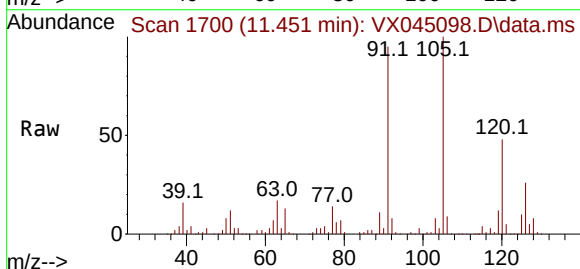
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

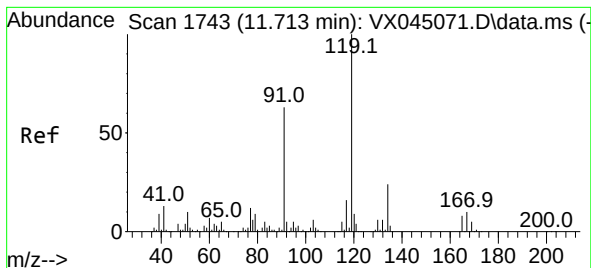
Tgt Ion: 75 Resp: 22598
Ion Ratio Lower Upper
75 100
53 117.7 88.5 132.7
89 45.0 36.2 54.4



#82
4-Chlorotoluene
Concen: 51.409 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 91 Resp: 213820
Ion Ratio Lower Upper
91 100
126 28.1 14.1 42.4





#83

tert-Butylbenzene

Concen: 50.511 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

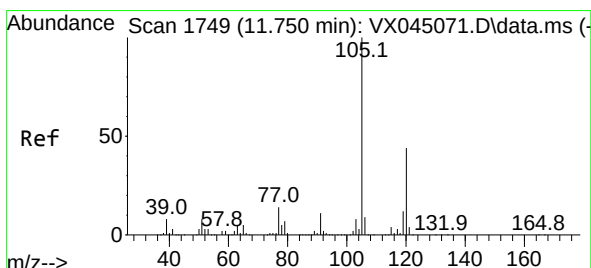
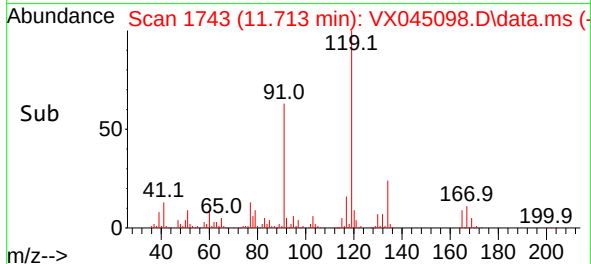
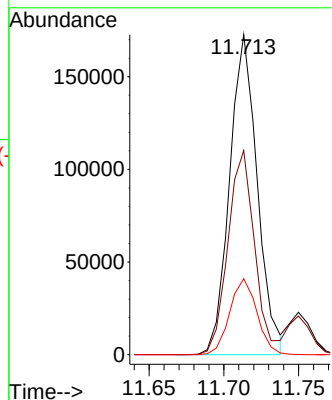
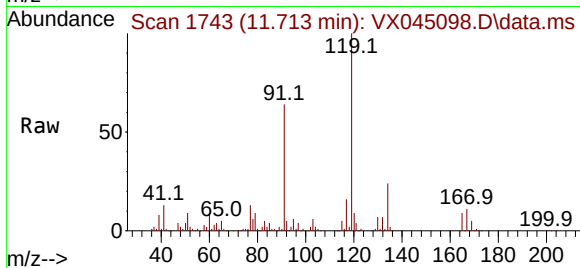
Tgt Ion:119 Resp: 222604

Ion Ratio Lower Upper

119 100

91 61.8 30.7 92.1

134 23.3 11.7 35.0



#84

1,2,4-Trimethylbenzene

Concen: 52.432 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX045098.D

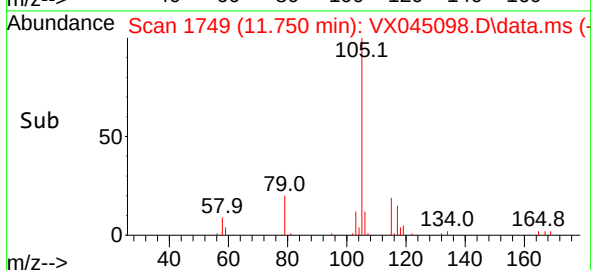
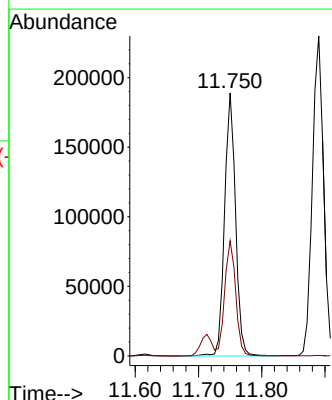
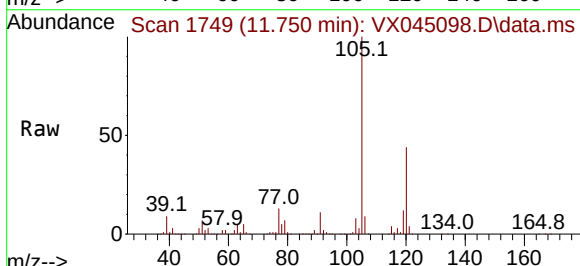
Acq: 28 Feb 2025 18:50

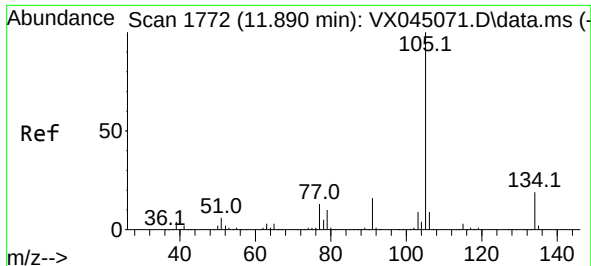
Tgt Ion:105 Resp: 226285

Ion Ratio Lower Upper

105 100

120 43.8 22.1 66.1

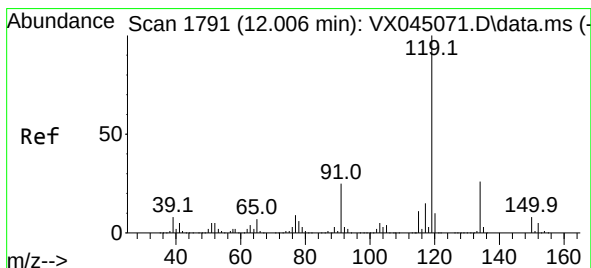
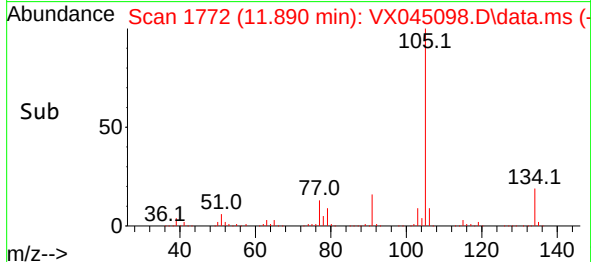
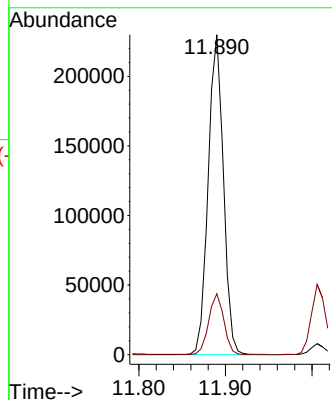
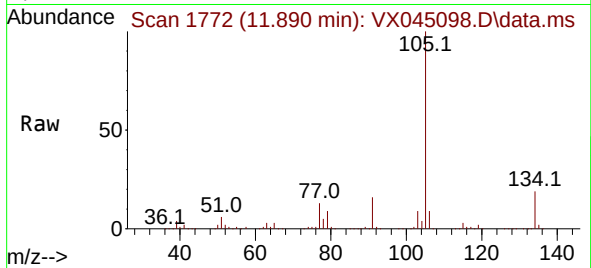




#85
sec-Butylbenzene
Concen: 53.152 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

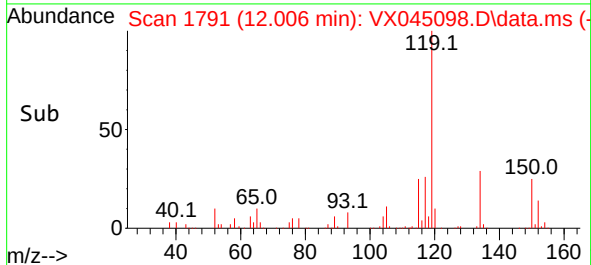
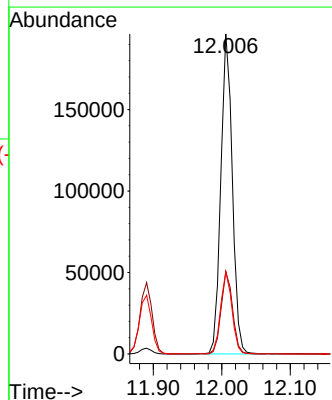
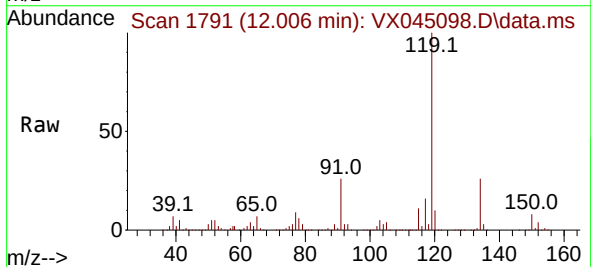
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

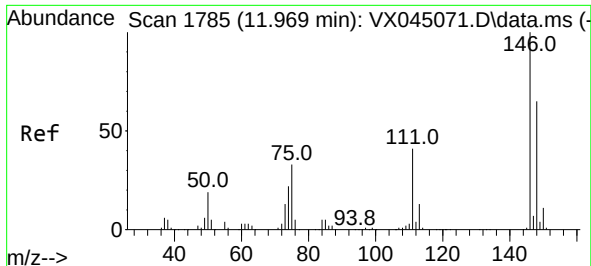
Tgt Ion:105 Resp: 280591
Ion Ratio Lower Upper
105 100
134 19.0 9.8 29.4



#86
p-Isopropyltoluene
Concen: 53.355 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:119 Resp: 227625
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: 51.054 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

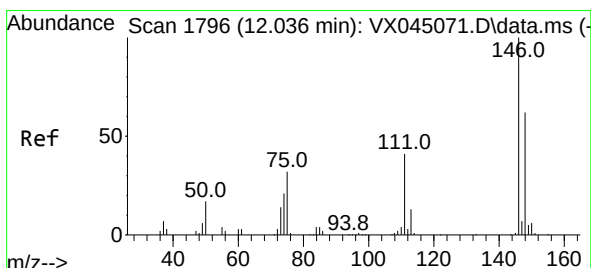
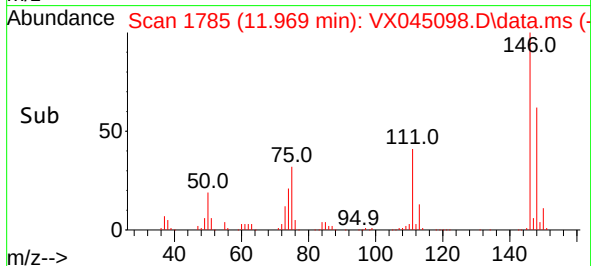
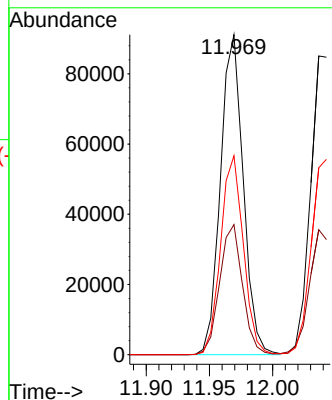
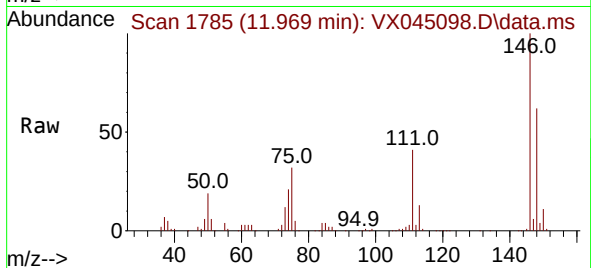
Tgt Ion:146 Resp: 113992

Ion Ratio Lower Upper

146 100

111 40.8 21.1 63.4

148 62.1 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 49.967 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

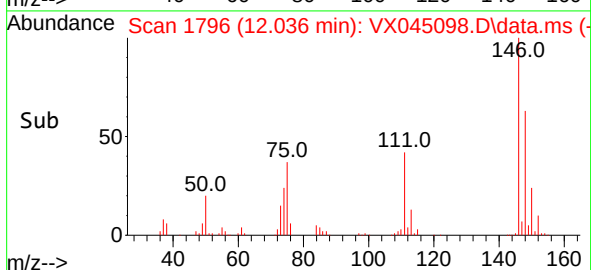
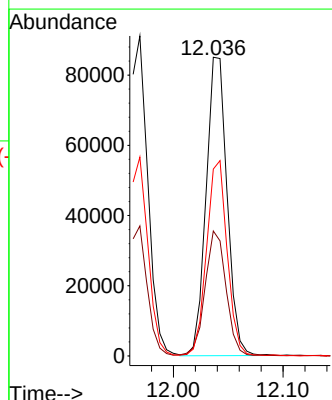
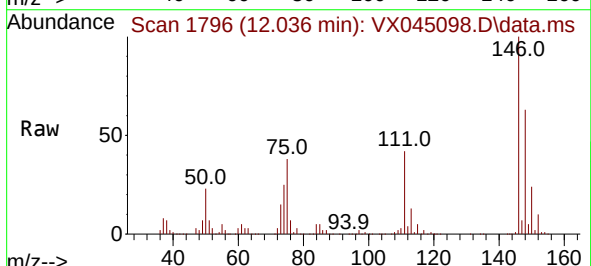
Tgt Ion:146 Resp: 112871

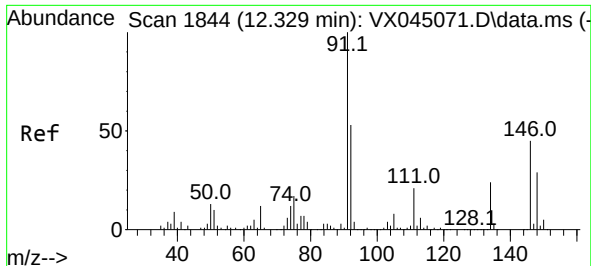
Ion Ratio Lower Upper

146 100

111 41.8 20.2 60.5

148 63.9 31.9 95.9





#89

n-Butylbenzene

Concen: 55.087 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

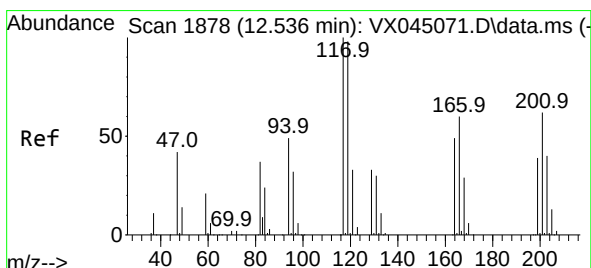
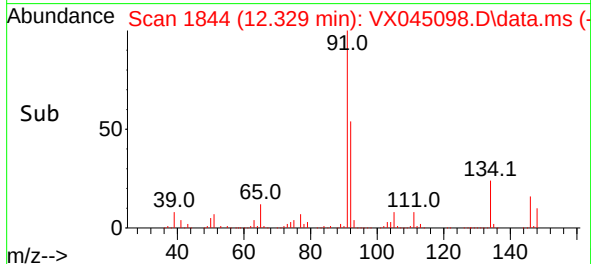
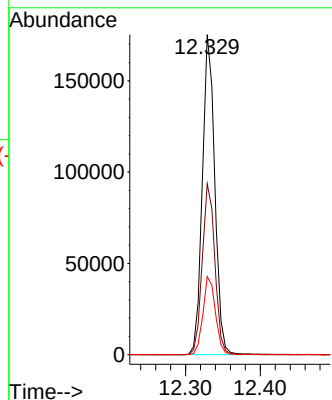
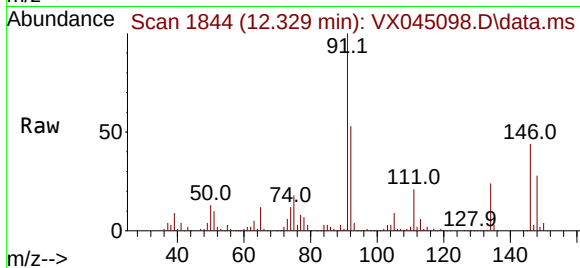
Tgt Ion: 91 Resp: 202412

Ion Ratio Lower Upper

91 100

92 54.4 26.7 80.0

134 24.6 12.2 36.6



#90

Hexachloroethane

Concen: 50.675 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX045098.D

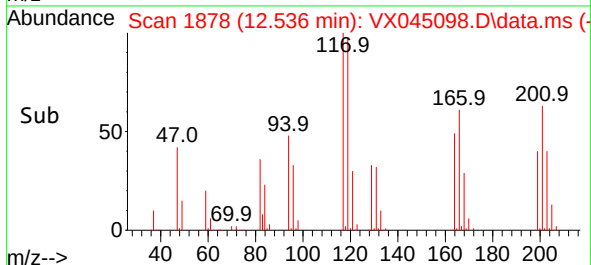
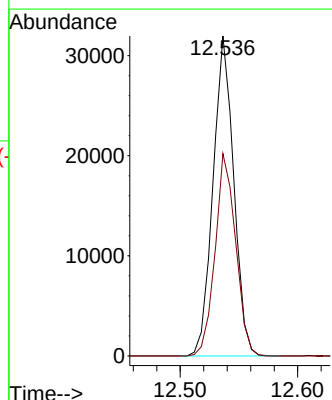
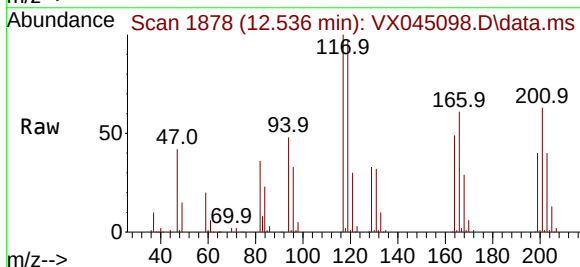
Acq: 28 Feb 2025 18:50

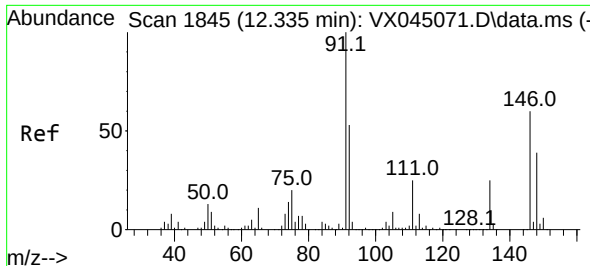
Tgt Ion: 117 Resp: 39104

Ion Ratio Lower Upper

117 100

201 62.8 31.9 95.9

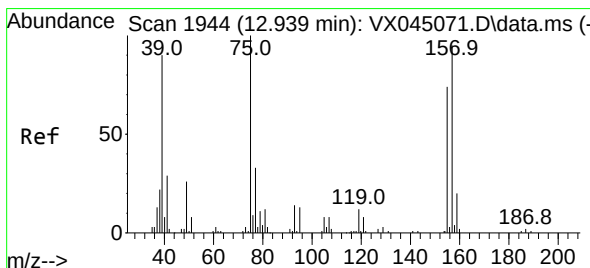
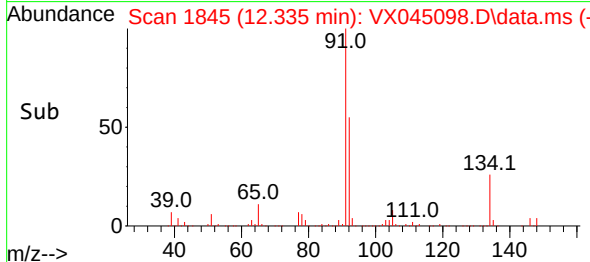
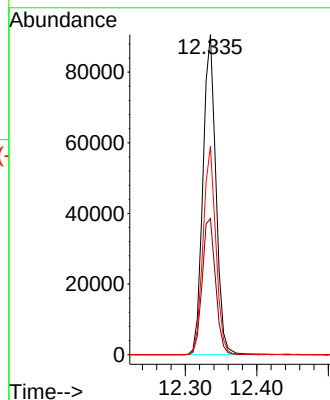
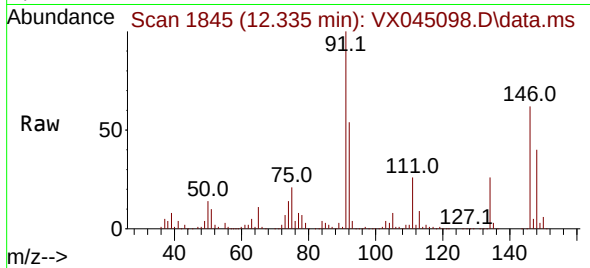




#91
1,2-Dichlorobenzene
Concen: 50.999 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

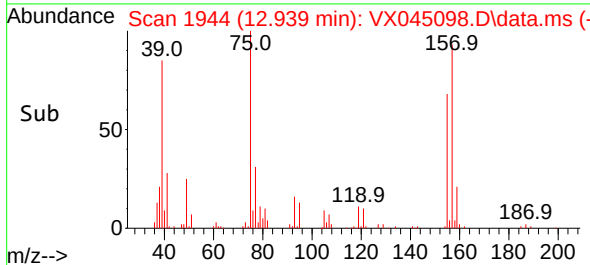
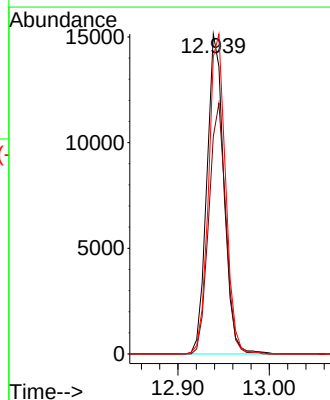
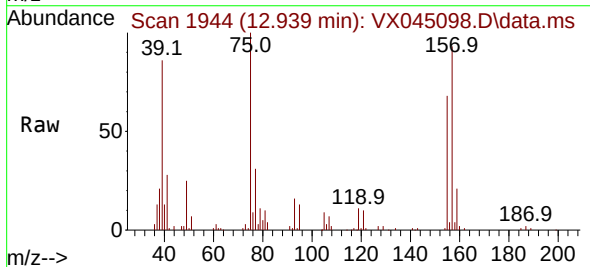
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

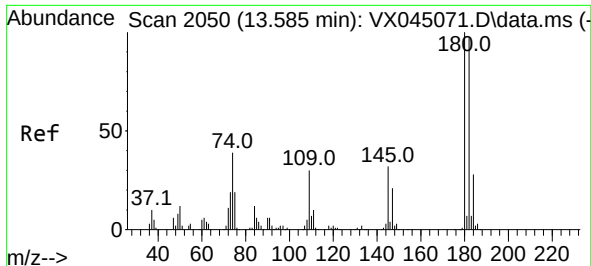
Tgt Ion:146 Resp: 114225
Ion Ratio Lower Upper
146 100
111 43.9 21.6 65.0
148 64.2 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 51.657 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion: 75 Resp: 19590
Ion Ratio Lower Upper
75 100
155 78.1 39.6 118.7
157 99.5 51.1 153.4

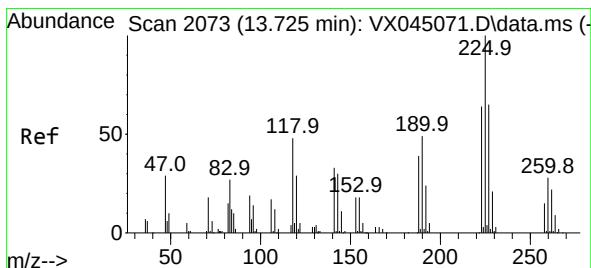
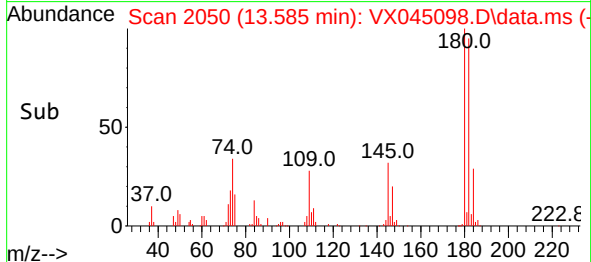
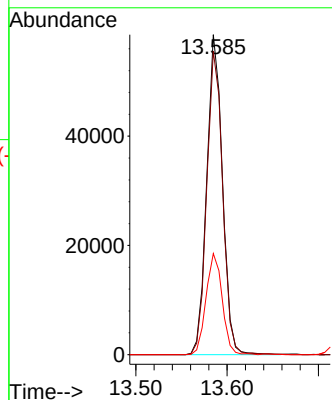
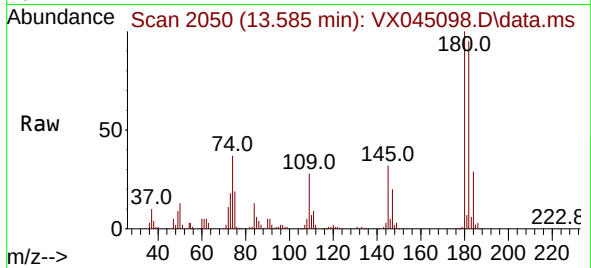




#93
1,2,4-Trichlorobenzene
Concen: 54.709 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

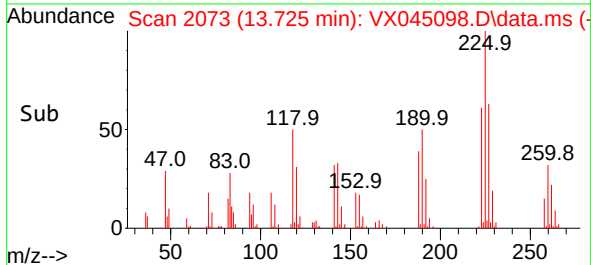
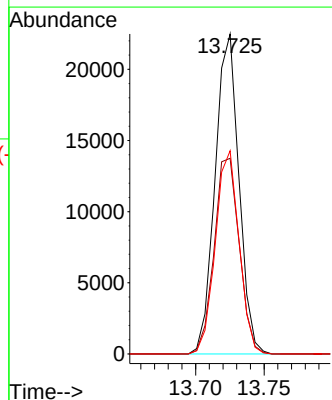
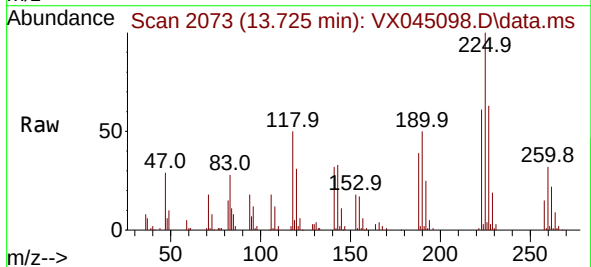
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

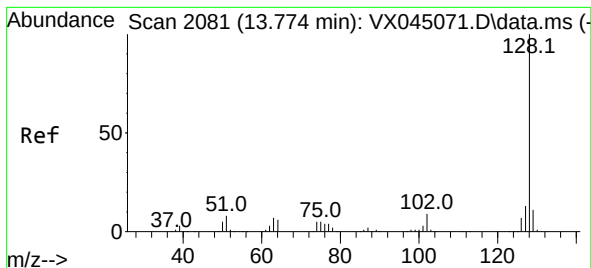
Tgt Ion:180 Resp: 69773
Ion Ratio Lower Upper
180 100
182 96.0 47.3 141.9
145 32.5 16.3 48.9



#94
Hexachlorobutadiene
Concen: 51.956 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045098.D
Acq: 28 Feb 2025 18:50

Tgt Ion:225 Resp: 27166
Ion Ratio Lower Upper
225 100
223 64.6 31.9 95.7
227 63.1 31.4 94.0





#95

Naphthalene

Concen: 54.575 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

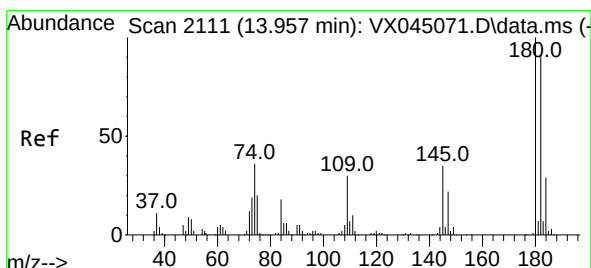
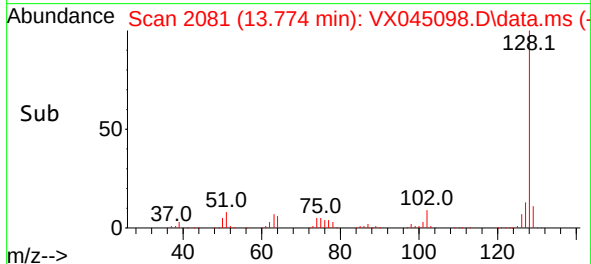
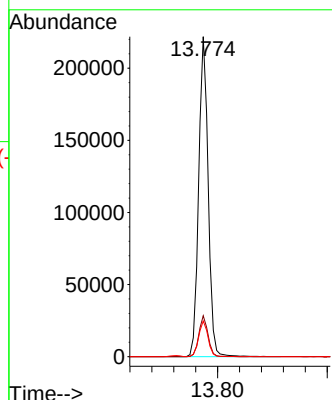
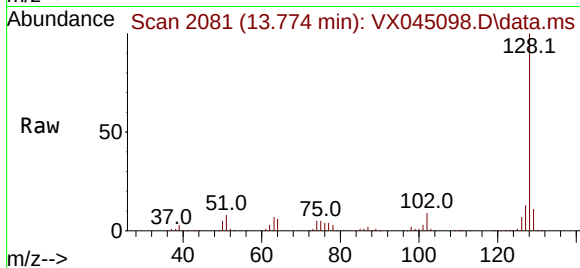
Tgt Ion:128 Resp: 267416

Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

129 11.0 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 53.829 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. -0.000 min

Lab File: VX045098.D

Acq: 28 Feb 2025 18:50

Tgt Ion:180 Resp: 72423

Ion Ratio Lower Upper

180 100

182 95.4 47.5 142.6

145 33.7 17.0 50.9

